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INDIANA DEPARTMENT OF TRANSPORTATION
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Improve and Gain Efficiency in Winter Operations



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16. Abstract <p>This report analyzes the current service level of winter operations in Indiana and explores opportunities to optimize performance. We analyze data regarding winter operations managed by INDOT and provide specific quantified estimates of opportunities to improve efficiency while also managing costs. For our exploration, we use data provided by INDOT sources, qualitative insights from interviews with INDOT personnel, literature survey data and benchmarking information, salt and supplier data analysis, and simulation. As part of our research, we developed a simulation model to visually represent the impact of alternate management of trucks for snow removal and a dashboard to understand the impact.</p> <p>Our analysis suggests the following: (1) opportunities exist to coordinate salt delivery by suppliers and combine local city salt purchases with INDOT's purchases to save costs, (2) adjusting routes will reduce deadhead, (3) understanding truck maintenance and truck locations improves performance, and (4) incorporating critical locations into snow route planning will meet service thresholds. These insights provide implementable recommendations to improve winter operations performance.</p> <p>The simulation tool developed in this project simulates various weather events to draw insights and determine appropriate resource allocations and opportunities for improving operational efficiency. The report thus provides a quantifiable approach to winter operations that can improve the overall service level and efficiency of the process.</p>			
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EXECUTIVE SUMMARY

Introduction

This report analyzes the current service level of winter operations in Indiana and explores opportunities to optimize performance. We analyze data regarding snow operations managed by INDOT and provide specific, quantified estimates of opportunities for improving efficiency while managing costs. We use data provided by INDOT platforms, qualitative insights from interviews with INDOT personnel, literature survey data and benchmarking information, salt and supplier data analysis, and simulation as part of our exploration. As part of our research, we developed a simulation model to visually represent the impact of alternate management of trucks for snow removal as an example to portray potential opportunities and a dashboard to understand the impact.

Findings

Our analysis suggests INDOT should consider the following: (1) seize opportunities to coordinate salt delivery by suppliers and combine local city salt purchases with INDOT's purchases to save costs, (2) adjust routes to reduce deadhead, (3) understand truck maintenance and truck locations to improve performance, and (4) incorporate critical locations into snow route planning to meet service thresholds. These insights provide implementable initiatives to improve winter operations performance.

Initially, we sought to understand INDOT's current practices and compare them with other agencies around the country based on similarity. Information from other agencies suggest best practices with respect to contracts, technology, weather services data use, and overall winter-related process management. The team conducted interviews with INDOT personnel to understand and learn about the opportunities and challenges they face. This analysis suggested that operation flow should be analyzed in two categories: (1) planning and (2) execution. Thus, our suggested improvements are organized along these categories.

The exploratory data analysis gave insights into the snowfall trends, resource allocation across districts, daily traffic trends, and maintenance practices. We also collated all the critical locations identified in the state of Indiana, including hospitals, police

stations, fire departments, and public schools, to improve planning during winter storm events or any other adverse scenarios. The simulation tool developed in this project simulates various weather events to draw insights and determine appropriate resource allocations and opportunities for improving operational efficiency.

Furthermore, the salt purchases and the contracts were analyzed to understand the purchasing behavior of the districts and the allocation of the budget for each winter season. Finally, various equipment for snow removal were evaluated to recommend a reliable product. The use of automatic vehicle location and its benefits are also mentioned in the report. The report thus provides a quantifiable approach to winter operations that can improve the overall service level and efficiency of the process.

Implementation

The project develops recommendations focusing on the planning and execution of various aspects of winter operations.

The analysis into the maintenance of current vehicle fleet led to understanding the asset life and improve performance. The analysis also helps identify the trucks that have lower contribution to maintenance cost based on age and miles driven. The critical locations of hospitals, schools, police stations, and fire stations around the state at a district and county level can be incorporated into route optimization and planning to improve service thresholds.

The simulation model is designed with features that can draw meaningful insights for real-time implementation. It provides tools to analyze and eliminate deadhead miles from snow routes across the state.

There are significant opportunities for cost saving by allowing local agencies to purchase salt at prices negotiated by agencies at the state level. Coordinating deliveries across the various entities involved in purchases can lead to further savings. The analysis into the contracts and the suppliers provide valuable insight for negotiations in future winter contracts and purchases.

The evaluations of different equipment and materials used in snow removal led to recommendation of certain products for INDOT. These recommendations are based on the experiences of other agencies. Finally, the use of technology to collect vehicular information during operations will result in overall improvement in service level while simultaneously minimizing costs.

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1. INTRODUCTION

The goal of this project is to understand the current deployment of trucks and routes to service winter operations and explore opportunities to optimize performance. This includes understanding available capacity, trucks, drivers, salt purchases, and routes, as well as plans to adjust the type of capacity and drivers to improve performance. This project thus assists INDOT's continued efforts to increase productivity while reducing expenses.

Indiana Department of Transportation (INDOT) is the government agency responsible for road transportation and related infrastructure for the state of Indiana. INDOT is responsible for interstates, US routes, and state roads. Local towns and cities are responsible for other Indiana roadways. INDOT has six offices for handling day to day operations, including maintenance activities such as repairing potholes and plowing snow, which is the focus of this report. Overall, INDOT has a capital expenditure budget of \$2.1 billion annually and maintains more than 29,800 miles of highways (INDOT, n.d.a).

2. OBJECTIVES

The project goal is to explore ways to improve service delivery, given ever tightening budget constraints. To that end, the project will analyze current operations data, understand the logic of current winter operations, and develop tools to estimate the impact of alternate ideas to improve operations. The analysis will explore the impact of adjusting capacity at different truck hubs, alternate purchasing choices, proactive maintenance, planning using dynamic data, driver routing, etc. The alternatives we explore will be generated by benchmarking ideas from the literature, understanding approaches used across districts and exploring suggestions from INDOT personnel.

This project will thus provide the following information:

1. An understanding of the winter resources deployment, including capacity, truck routing, maintenance, and weather forecast data for the past winter seasons, and truck-level data analysis.
2. Benchmarking performance from literature studies and statewide and national agencies to develop ideas for alternate approaches.
3. An analysis of current salt purchasing choices and opportunities for increasing efficiency.
4. A simulation tool that estimates improvement in performance under different weather conditions, and the impact of these changes.
5. Exploration of integrating real time data tools, capacity adjustments, and other ways to improve performance.

3. PROJECT TIMELINE

Figure 3.1 provides a Gantt chart for the project. The list of tasks come from four phases of the project,

defined in the statement of work. The four phases are understanding current operations, benchmarking performance, developing a simulation tool, and modernizing winter operations.

The project began in November 2019. The first step was data collection and preliminary research that was performed through June 2020. During this time, the team performed a literature survey. The literature review helped with understanding current winter operations in Indiana and other states, and it also helped with benchmarking performance. The data analysis task began three months after starting the project. The data analysis captured snow fall trend across different regions in the state, resources employed for snow removal, simulation models for various scenarios, salt purchase and supplier analysis, daily traffic trends, and visualization tools. The team received data from INDOT across the duration of the project, thus enabling continuous data analysis.

The tasks mentioned above were followed by interviews with INDOT personnel across different levels of the organization. INDOT personnel interviewed were responsible for winter operations in their respective districts. Interviews were scheduled and completed by August 31, 2020. After the interviews, the team understood the metrics used and investigated developing other Key Performance Indicators (KPIs).

The task for phase three, which involved developing a simulation model, commenced in parallel to the data analysis task, and continued through November 1, 2020. The simulation model, built on JaamSim, displays an animation of performance during winter operations and enables intuition building. The model was made with the help of information from the interviews conducted. This resulted in the simulation of different scenarios during a winter snowstorm. It was followed subsequently by a case analysis of these simulations.

The activities that followed involved compiling all the literature research, summarizing industry offerings for winter operations, and compilation of the final report. After submitting the report, it goes through an evaluation by INDOT that is scheduled for completion by April 1, 2020. The subsequent sections describe details associated with all phases of the project.

3.1 Operations Flow

The operations flow for winter operations are broadly classified into two categories: (1) planning and (2) execution. An exploratory literature review, (McClellan et al., 2009; Wang et al., 1995), benchmarking, and successive interviews were conducted with INDOT personnel to understand the activities in the process, and it helped identify associated challenges and opportunities.

Based on the research conducted, an analysis was drawn to develop recommendations to take advantage of the opportunities discovered and counter the challenges to reduce cost and improve the process (see Figure 3.2).

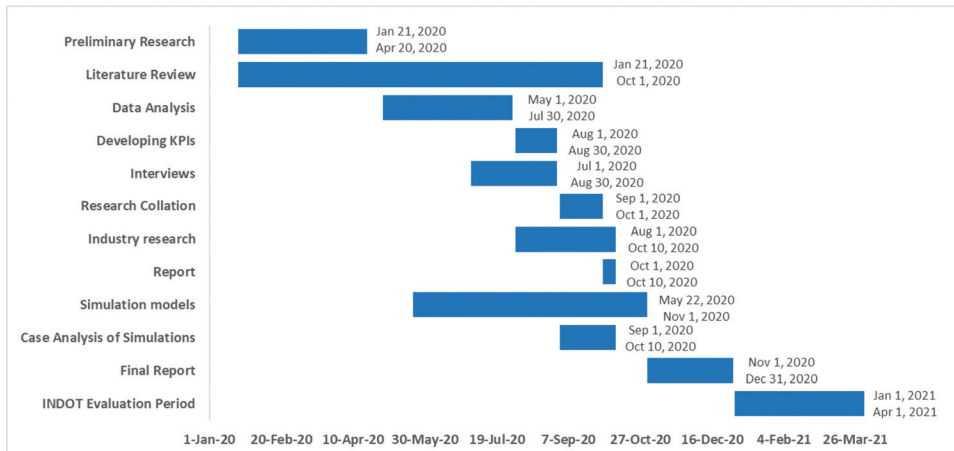


Figure 3.1 Gantt chart of project activities.

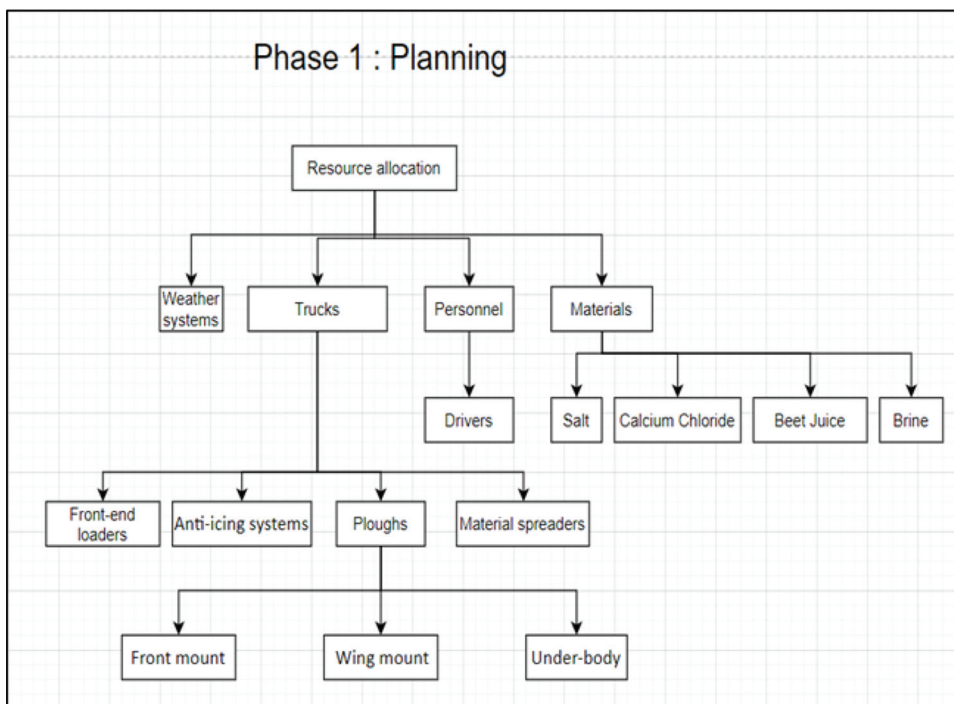


Figure 3.2 Flowchart of resources considered during operations planning.

Through the research, four major areas of planning were recognized as very significant for INDOT winter operations—personnel planning, planning for materials, trucks, and weather systems. Among the materials used for winter operations, salt is imperative for operations and the planning here involves the choice of contract and company to source the salt. The timing of the snow and storm events is important information to plan activities and resources. Thus, an aggregation of weather forecast data to serve as a planning input for snow routes is crucial.

Through several interviews and research, a flow of operations was laid out (see Figure 3.3). In addition to the INDOT winter operations, insights derived through

benchmarking and alternative solutions that would benefit the winter operations have been incorporated into the operations flow.

After the snow crew is alerted, the high priority routes with greater than 5,000 vehicles are serviced first. The operations begin with the spreading of deicing/anti-icing material along the roads before running the snowplow to clear the snow. The residential areas and routes with lesser traffic are serviced second in the priority-based deployment. During the residential snow clearance, 15 feet of clearance (parked vehicles) is recommended to the dweller.

The snow routes are prioritized based on Annual Average Daily Traffic (AADT) data and in addition to

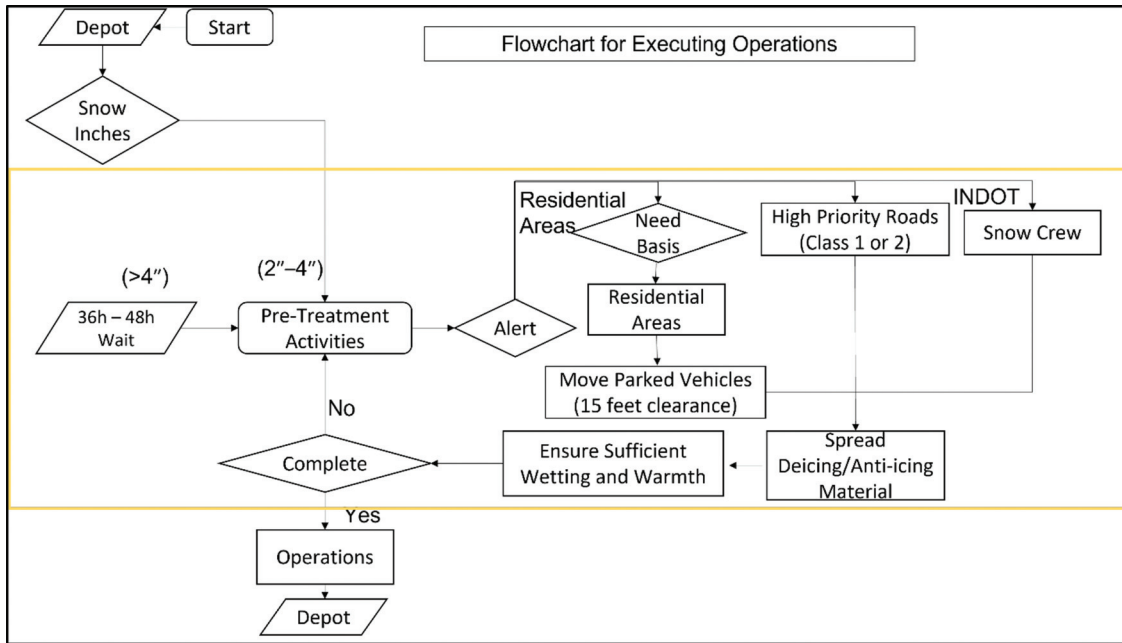


Figure 3.3 Flowchart for executing operations.

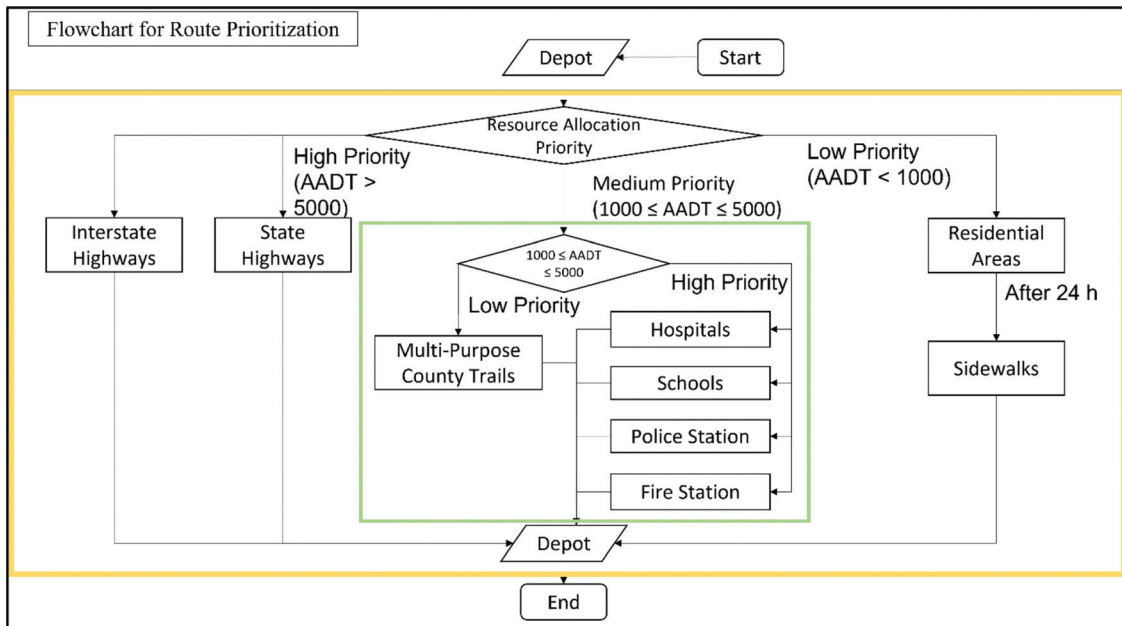


Figure 3.4 Flowchart for route prioritization.

the daily traffic, critical locations are also considered (see Figure 3.4). The routes are prioritized as follows:

- High priority routes: Routes that have $AADT > 5,000$, primarily comprised of the interstate and state highways.
- Medium priority routes: Routes that have $1,000 \leq AADT \leq 5,000$, critical locations, and multi-purpose country trails. These routes have a second level of prioritization with critical locations prioritized.
- Low priority routes: Routes that have $AADT < 1,000$, comprising mostly the residential areas.

4. BENCHMARKING

This phase of the project consisted of benchmarking best practices for winter operations. We considered other states across the US, selecting the states that see similar weather patterns in terms of snowfall, winter storms, etc. We selected Ohio, Wisconsin, and Virginia for reviewing their winter operations to serve as benchmarks. This analysis helped us discover innovative practices that DOTs of these states follow that can be considered by INDOT.

4.1 Ohio Department of Transportation (ODOT)

ODOT uses 1,700 plow trucks, 3,000 employees, 650,000 tons of salt, and 200 storage facilities for winter operations. An average of 600,000 tons of salt annually, and 40%–45% of annual operating expense, is allocated to winter operations as mentioned in the *Ohio Department of Transportation: Snow and Ice Practices* report (ODOT, 2011). They classify their operations into the following categories:

1. Equipment
2. Material
3. Guidance
4. Application
5. Research

ODOT has compared and concluded that the maintenance of mild steel truck beds and material spreaders is less expensive in relation to stainless steel truck beds. This comparison can be used by INDOT to make decisions on retaining and replacing resources based on the type of the truck beds. The trucks are equipped with on-board wetting system for application of salt and brine. This helps in efficient utilization of the wetting material and the spinner reduces the direct contact, hence reducing corrosion to the truck. We suggest that this method of wetting can potentially help INDOT reduce cost of maintenance due to corrosion.

ODOT also uses live bottom truck beds with conveyers—Auger system, rubber belt system, and metal drag chain system. Most zero velocity spreader systems have been decommissioned due to inherent high maintenance costs. A preference is given to multi-purpose trucks costing approximately \$125,000 (based on the *Ohio Department of Transportation: Snow and Ice Practices* report (ODOT, 2011)), as it involves lesser quantities of trucks needed, implying at cost savings. Perhaps, increasing use of multi-purpose trucks, as against single purpose trucks could benefit INDOT.

ODOT uses brine, calcium chloride, and agriculture-based products for anti-icing and wetting. The brine used is produced in-house costing \$0.10/gallon, and they only purchase calcium chloride and agriculture-based reagents. The blending of brine with 10%–15% of agriculture-based products can provide a significant increase in residual of salt on higher volume roads. ODOT uses three kinds of treated salts—Clearlane, Ice-Slicer, and IMC CI salt. They ensure that 100% of the

contract quantity is purchased (based on the *Ohio Department of Transportation: Snow and Ice Practices* report (ODOT, 2011))

A key takeaway from ODOT's practices was its salt bidding process. There are two contracts, spring fill up and winter use. The spring fill up allows counties to replenish their supplies after a winter season, reducing the need for higher quantities in the winter contracts. The spring fill up contract also ensures vendors 100% of the contract quantity would be purchased and it has no cooperative purchasing. This ensures any agency, state or local, to be independent and meet their salt needs as required. The vendors are assured of the quantity requested with no changes as per the contract.

The winter use contract is like INDOT's, where the minimum and maximum purchase requirements are 80%–120%. Unlike the spring contracts, the winter contracts allow cooperative purchasing. This allows different agencies to combine their requests to get a lower quote. ODOT has also relaxed their contract delivery provisions by expanding product delivery windows, increasing the delivery window hours, and eliminating piling requirements for dumping the product. All these changes to how they procure salt have eliminated stock outs and successfully secured contracts with comparable prices across other midwestern states.

4.2 Wisconsin Department of Transportation (WisDOT)

Wisconsin Department of Transportation operates with a strategy of prioritization, where the highways with high volume traffic receive 24-hours of coverage, and the ones with a lower volume traffic receive 18-hours of coverage. WisDOT uses the storm type, snowfall inches, range of temperatures, and several other factors to calculate the severity index, a tool used to compare winters over various years. This tool helps in assessing, accurately predicting, and planning resources for operations.

The salt usage across the state is proportional to the severity index, with regions with higher severity index having higher salt usage. The average purchasing cost of salt for WisDOT is \$77.10 per ton (based on *Annual Winter Maintenance Report 2019–2020* (WisDOT, 2020)). The salt is used in combination with sand and other abrasives to provide friction to avoid slipping of vehicles during operation. Salt brine and several other reagents such as magnesium chloride and calcium chloride are used for pre-wetting.

WisDOT promotes pre-wetting of salt before application to increase penetration, quicker melting of snow, and allowing ice to melt at a lower temperature. Direct liquid application is used to service pavements.

Wisconsin receives an average snowfall of 71.9 inches across the state and a range of 27–194 inches in various counties. The average winter Severity Index across the state is 94.3 and between 52–174 across the various counties (based on *Annual Winter Maintenance Report 2019–2020* (WisDOT, 2020)). They use RWIS (Road Weather Information System) to anticipate weather

and MDSS (Maintenance Decision Support System) to make assessment of the conditions and discerning appropriate treatments for various routes. Ground Speed Control technology is used for accurate usage of salt and reduce chloride pollution.

WisDOT has over 1,500 employees with licenses to operate a snowplow and 1,000 employees permanently assigned to state highway system. The annual budget of labor cost is \$21 million (based on *Annual Winter Maintenance Report 2019–2020* (WisDOT, 2020)).

WisDOT's performance measures are the following:

1. Time to bare/wet pavement.
2. Winter weather crash/vehicle miles travelled.
3. Cost/lane mile/winter severity index point (based on *Annual Winter Maintenance Report 2019–2020* (WisDOT, 2020)).

A key takeaway from WisDOT's practices is the use of the severity index—a quantification tool that is calculated based on the various factors affecting winter operations—and eventually using this tool to assess winter weather events, make predictions, and support resource planning decisions. INDOT's data can be used to develop a similar tool to improve planning and resource allocation decisions. Performance measure mentioned above in addition to Indiana specific performance measure (example: snowfall/region) can be used to develop a tool to plan and improve decision making for INDOT's winter operations.

4.3 Virginia Department of Transportation (VDOT)

VDOT has \$205 million in budget for winter operations. They have 2,500 snow crew members and additional contractors for winter operations and in ensuring statewide safe transportation based on VDOT News–Statewide (VDOT, 2019).

They use nearly 700,000 tons of salt, brine, sand, and treated abrasives and 2.4 M gallons of liquid calcium chloride and salt brine. The trucks are equipped with the AVL (automatic vehicle location) technology which shares the truck location on the online tracking system during snowfall greater than 2 inches.

VDOT's winter operations practice aims to clear all state-maintained roads within 48-hour deadline of a snowstorm event. The state sets the highest priority on the interstate highways, then most primary used roads, followed by emergency routes and heavily trafficked routes, ultimately followed by other secondary roads, and residential streets. It assigns the responsibility to residents to clear their sidewalks (VDOT, 2019).

5. INTERVIEW SUMMARY

In order to understand INDOT's planning and execution of snow operations, we scheduled interviews with fourteen INDOT personnel with responsibilities that span decision making regarding winter operations.

The list of people interviewed, their roles, and their districts are shown in Figure 5.1.

Transcripts of their answers to questions posed are provided in Appendix A. We start with a word cloud of the key terms used across the interviews (see Figure 5.2). The key words are trucks, traffic, daily, average, anti-icing, salt, material, suggesting the issues of concern. In this section, we summarize a description of operations based on these interviews.

5.1 Responsibilities

The Highway Maintenance Directors (HMD) are responsible for all activities pertaining to the roadways in their district (see Figure 5.3). They have the responsibility and authority to manage all events. Their goal is to keep all INDOT assets, roads, guard rails, bridges, etc., in good working condition and deal with all customer service requests. Directors are involved in strategic decision making for their districts.

The next level are the subdistrict managers who oversee three to four units in their area. Subdistrict managers maintain the highways in their area and are involved in the tactical decision making for their operations. Unit level managers or foreman are responsible for the day-to-day operations for the drivers in their units. They call drivers to come in for shifts, ensure that trucks are in workable condition, communicate challenges to the subdistrict managers, and complete all other activities related to the execution of tasks (INDOT personnel, personal communication, July/Aug 2020, see Figure 5.1; VDOT, 2019).

5.2 Winter Operations

The HMDs vary in their approach towards winter operations. While some are completely hands-on, others delegate the tasks to subdistrict managers. Around 5–6 months are dedicated towards winter operations each year. District managers manage the labor force and ensure they are working appropriate hours. They ensure that the trucks are working, and are available for operations, and all materials needed are in their respective locations. They handle coordination with the logistics team to ensure trucks are available. HMDs are heavily involved in the sustainability of the operations from a material availability standpoint based on forecast. Planning is done through salt modelling and route modelling (INDOT personnel, personal communication, July/Aug 2020, see Figure 5.1).

5.3 Classification

The roads are classified into OS1, OS2, and OS3 categories. The factors that determine the category of a road is the Average Daily Traffic (ADT). The Table 5.1 summarizes the ADT and service time for each class of roads (INDOT personnel, personal communication, July/Aug 2020, see Figure 5.1; McCullough, 2009).

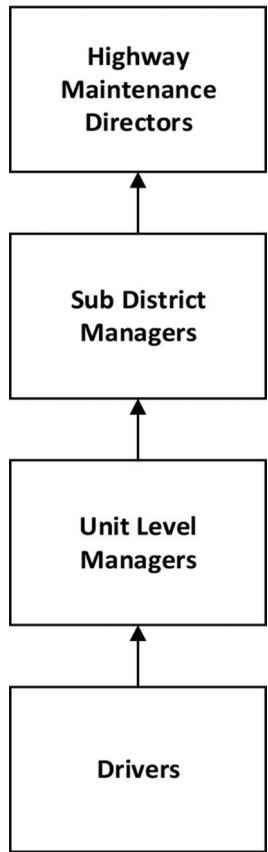


Figure 5.3 District-level hierarchy for operations in Indiana.

When the units are out of salt, it is purchased on demand from salt providers on contract. Such purchases are expensive and take a few days to deliver. Mostly, the salt demand for the winter season is fulfilled with purchases at the start of the season.

Based on the interviews, we learned that most drivers are trained in snow operations and have 2 to 3 years of experience. In recent years, there has been a shortage of personnel and a high turnover rate that districts face. Drivers need to have a commercial driving license to be eligible to drive the trucks. Drivers are assigned a truck for the winter, and they are responsible for maintaining that truck during the season (INDOT personnel, personal communication, July/Aug 2020, see Figure 5.1).

5.6 Snow Routes

Routes are planned by each district using the classification method of average daily traffic. Routes do not have any borders and they cross into other subdistricts. Routes are shared by most districts of Indiana and one output of the project is to make a simulation model for route optimization. As described earlier, each driver is assigned to a route and depending on the criticality of the route, there may be more than one truck in a route. Most interstates and US highways are high priority, so they are attended to by more than one truck in the

TABLE 5.1
Classification of Roads for Priority in Winter Operations

Classification	Average Daily Traffic	Service Time
Class I	>10,000 vehicles	Every 2 hours
Class II	5,000–10,000 vehicles	Every 2.5 hours
Class III	<5,000 vehicles	Every 3 hours

route. Trucks make a fuel stop at the end of their shift to fill their tank before handing it over to the next driver. They do not make fuel stops in between. Changes to the snow route are usually finalized by the first week of November. Snow routes for some districts have been updated to remove deadhead miles. Deadhead is the section that is not part of the route, but the truck must go through that section to get to the route it has to serve. Based on the interviews, Fort Wayne had recently eliminated deadhead miles in their latest revision of the routes done a few years ago (INDOT personnel, personal communication, July/Aug 2020, see Figure 5.1).

5.7 Performance Measures

There is one performance measure that is common across all districts, i.e., the usage of salt. Every truck is benchmarked against the measure, which is 250 lbs. of salt/lane mile. This is a statewide metric. There are some sections of the road that have a higher application rate than others, such as bridges. From the interviews, there are not any other metrics that are uniformly used across the state, apart from the ordered salt quantity and other materials used (INDOT personnel, personal communication, July/Aug 2020, see Figure 5.1).

5.8 Material Costs and Purchasing Decisions

Salt is the most expensive and frequently used material in the winter operations. The cost of salt varies from year to year, between \$60 to \$90 per ton. Each unit requires around 20,000 to 30,000 tons of salt in a year. The purchase decision for the salt and other materials is done through the logistics division in each district and a central body for the entire state. It is up to each district to find a vendor to provide them salt. There are no statewide contracts for these materials. The salt budget comes out of each district's annual budget and salt for each winter season for a district can cost more than \$4 million, making it the most expensive resource for winter operations. Apart from salt, other products used are brine, beet juice, and calcium chloride. These materials are not as expensive as salt and are used in lesser quantities. Brine is made in house by most of the units, so they save money by not purchasing. Beet juice is a byproduct of the process that makes sugar. It is a non-corrosive organic mixture that is more environmentally friendly than the chemicals used before.

Purchasing salt quantity for a particular year is based on the previous 5-year trends for each unit. The districts submit the required quantity for all the units and can

purchase as low as 80% of the submitted order quantity or go up as high as 120% of the order quantity. This allows them to make small changes as they draw closer to the season (INDOT personnel, personal communication, July/Aug 2020, see Figure 5.1).

5.9 Equipment

A variety of snow and ice control equipment are used on a routine basis. The most common types are trucks, plows (front mount, wing, and under-body), material spreaders, front-end loaders, and anti-icing systems (INDOT personnel, personal communication, July/Aug 2020, see Figure 5.1; McCullough, 2009).

The nature and range of tasks the equipment will be performing, and the environment in which it will be operating determine selection of appropriate equipment. Snow and ice control operations are the primary function of the equipment. Therefore, the equipment should be designed to perform this key function over much of its service life. However, the equipment is used for many non-winter related activities, such as hauling equipment and personnel for other highway maintenance activities. The key to successful equipment utilization is to balance the design so that even the least common tasks can be accomplished adequately. By choosing multipurpose equipment appropriately, an agency can optimize its equipment budget (McCulloch, 2009).

The use of attachments is a way to make equipment more versatile. Front plows, “V” plows, wing plows, and under-body plows can be attached to trucks. Material spreaders and anti-icing tanks can be attached to truck beds. Effective use of attachments can be achieved through uniformity and ease of the attachment system from vehicle to vehicle (McCulloch, 2009).

There are approximately 1,100 snowplow trucks in Indiana. The four truck brands commonly used are Freightliner, International, Sterling, and Hemworth. For truck maintenance, each subdistrict has one maintenance shop that can cater to the needs of breakdowns. Since they are often resource constrained, multiple breakdowns can impact the productivity for that subdistrict.

5.10 Opportunities for Improvement

During the interviews, managers from different levels suggested many opportunities for improvement. The following are some of those suggestions:

- Better weather forecast systems.
- Maintenance Decision Support System (MDSS) is not a reliable source of information in all situations, sometimes its prediction is off by a few hours.
- Deployment of better plows and equipment that do not breakdown frequently.
- More use of technology to assist in decision making, such as AVL/GPS systems.
- Dynamic routes for operations.
- Continuous route optimization.

The above areas of improvement are a summary of the managers’ suggestions. For a more exhaustive list, please refer the interview transcripts provided in Appendix A.

5.11 Bottlenecks

There are several bottlenecks that can impact the snow removal process. The rate of removal is a bottleneck that determines the speed at which the roads are cleared. This is an aspect that is directly related to improving the customer service level. A few other bottlenecks to consider are the following:

- Procuring salt in the middle of winter is difficult—need better forecasts.
- Salt suppliers have difficulty in getting supply in the winter.
- Truck breakdowns are a problem.
- Shortage of drivers/driver availability for the winter season.
- Only drivers with Commercial Driver’s License (CDL) can drive a snow plough truck, and it takes 60 days to get them licensed.
- Sometimes new trucks/models break down when operating the first time under harsh conditions.

6. EXPLORATORY DATA ANALYSIS

To gain insights over the demand for winter operations across the various parts of Indiana, data sources pertaining to the snowfall available at Average Annual Snowfall in Indiana (Current Results, n.d.), population densities (Figure 6.1), and active traffic data available at Traffic Count Database System (TCDS) (INDOT, n.d.b), across Indiana were explored and respective relation was drawn for each one of the analysis. Ultimately, a visualization tool was built for future use of the data and corresponding insights.

6.1 Snowfall Trend

Indiana is divided into three regions—Northern, Central, and Southern regions. The snowfall in inches plotted against the number of snow days for the most important parts of each one of these regions is shown in Figure 6.1. The analysis is in alignment with the general intuition that the northern region has the highest average snowfall of 41.3 inches followed by the central region which has 24.11 inches of snow and southern region with 12.4 inches of snow. Thus, in terms of snowfall, the northern region has the highest demand for winter operations followed by the central region and then the southern region. This analysis also illuminates the severity of the snowfall and the number of days of snow in each area.

6.2 Number of Trucks and Population Across the Districts

The information regarding population density and resource availability is important for planning of winter

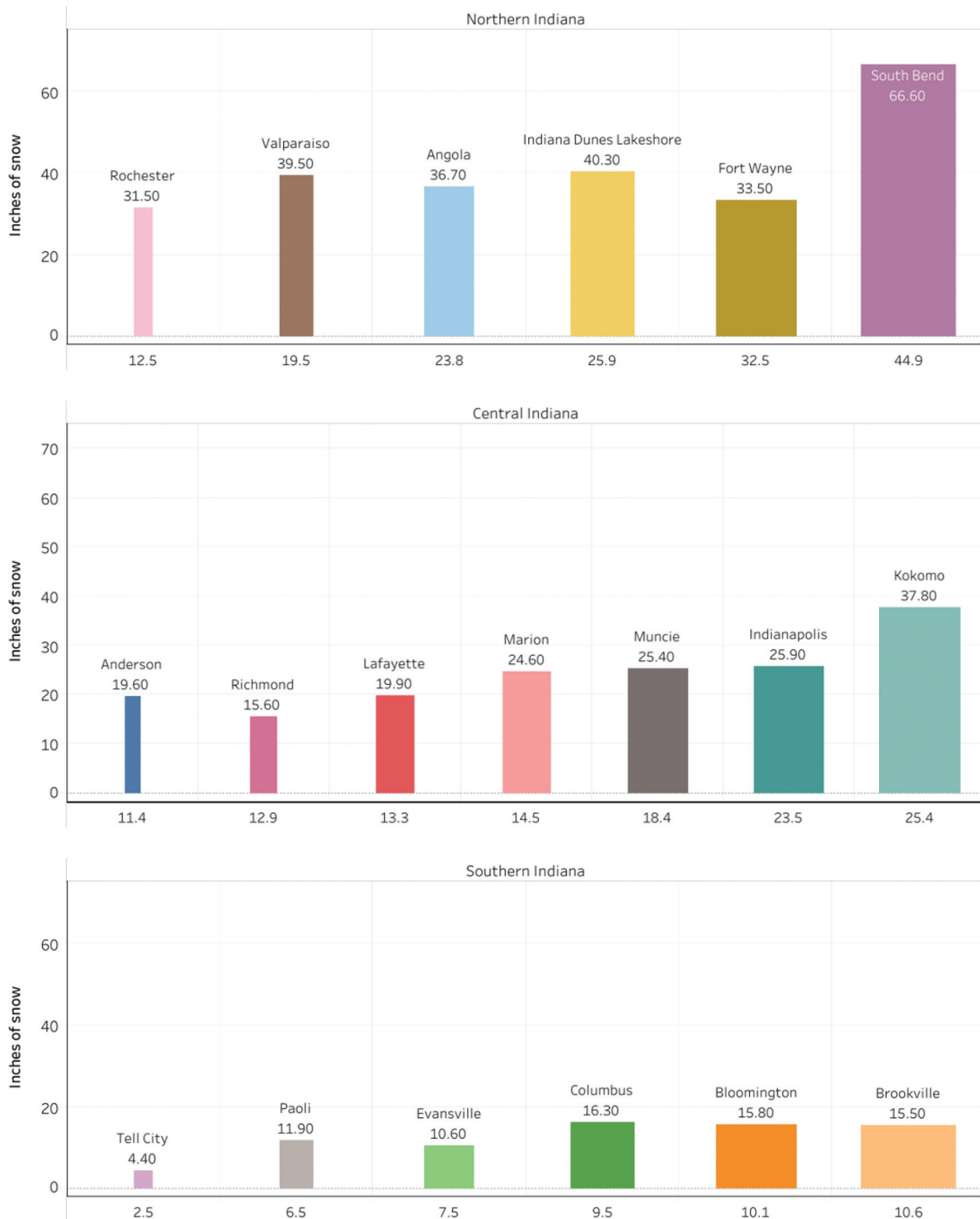


Figure 6.1 Snowfall pattern across the northern, central, and southern regions of Indiana.

operations across Indiana. The population and the number of INDOT trucks were segregated across six districts based on the data available (see Figure 6.2). Greenfield, a district in the central region, has the highest population of 1,942,964 and Vincennes has the lowest population of 607,132. Thus, the demand for winter operations is higher in Greenfield, whereas the demand is relatively lower in Vincennes. Indianapolis' presence in Greenfield makes Greenfield more critical for winter operations due to its political influence and

greater presence of businesses. The number of INDOT trucks is proportional to the population, thus the resource availability is distributed based on the demand in terms of population. This is highlighted in Figure 6.3. The figure also provides district-wise data for number of trucks, road miles, snow routes, counties, and population size. This data is used to calculate other metrics like population per land area (pop/land area), population per county (pop/county), and miles per route (miles/route).

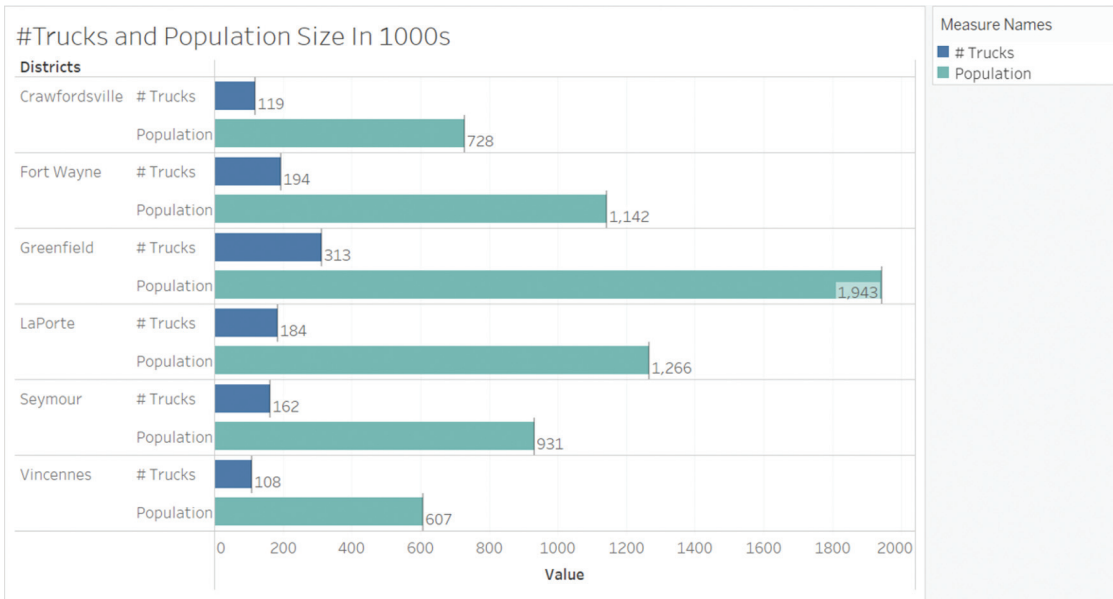


Figure 6.2 Population and trucks across the districts.

Districts	# Trucks	Road miles	Snow routes	Counties	Population size	Pop/Land Area	Pop/county	Miles/Route	COUNT(ADT>5000) [2019]	COUNT(1000<ADT<5000) [2019]
Crawfordsville	119	5853	159	13	728115	136.12	56008.85	36.81	2141.00	2132.00
Fort Wayne	194	5324	143	17	1141517	171.47	67148.06	37.23	3342.00	3320.00
Greenfield	313	5675	194	15	1942964	393.65	129530.93	29.25	3565.00	3561.00
LaPorte	184	6228	170	13	1266283	234.04	97406.38	36.64	3618.00	3617.00
Seymour	162	5430	163	18	931259	140.91	51736.61	33.31	3550.00	3538.00
Vincennes	108	5209	142	16	607132	88.44	37945.75	36.68	2195.00	2271.00

Figure 6.3 Winterization data for districts.

6.3 Average Annual Daily Traffic (AADT) Trend

Average Annual Daily Traffic is another important factor that influences the resource allocation for winter operations, as the snow routes are classified based on the AADT. In addition to analysis of snowfall density and population, the analysis of AADT across the six districts helps in identifying the criticality of winter operations across various districts (see Figure 6.4). The roads with AADT greater than 5,000 vehicles are assigned the highest priority, those with $1,000 < AADT < 5,000$ are assigned mid-level priority and the roads with AADT lesser than 1,000 vehicles are assigned the lowest priority for winter operations. The Average Annual Daily Traffic is the highest for Greenfield and La Porte. Greenfield has 3,565 roads with $AADT > 5,000$ and 3,561 roads with $1,000 > AADT > 5,000$ based on Traffic Count Database System (TCDS) (INDOT, n.d.b). Therefore, winter operation is very critical in Greenfield.

6.4 Visualization Tool

Figure 6.5 represents a snapshot of the dashboard, built on Tableau, where analysis done in previous sections (Section 6.1 through Section 6.3) can be viewed

simultaneously which would give a better insight into the metrics across districts.

6.5 Maintenance Analysis

The maintenance of approximately 1,100 trucks in INDOT's fleet contributes to one of the major expenses incurred by INDOT based on the truck data (see Appendix B. Purdue Overall Fleet Count). The INDOT personnel interviews, literature review, and historical data pointed towards the "number of miles driven" and the "age of the trucks" to be significant contributing factors for maintenance cost. Thus, the maintenance costs were hypothesized to be dependent on these factors. To further optimize the analysis, the most frequently used trucks throughout the winter were identified and these included: multi-purpose single axle dump truck, multi-purpose tandem axle dump trucks, single axle dump trucks, and tandem axle dump trucks. Figures 6.6 through 6.22 depict the visualization of the dependency and the corresponding fitted regression equations and the results.

6.5.1 Multi-Purpose Single Axle Dump Truck

6.5.1.1 Maintenance cost vs. total miles. INDOT has approximately 120 multi-purpose single axle dump

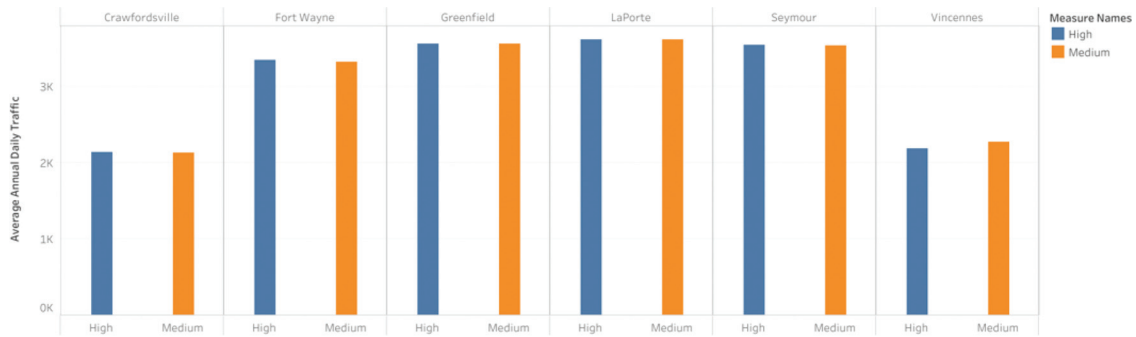


Figure 6.4 Average Annual Daily Traffic across the districts of Indiana.

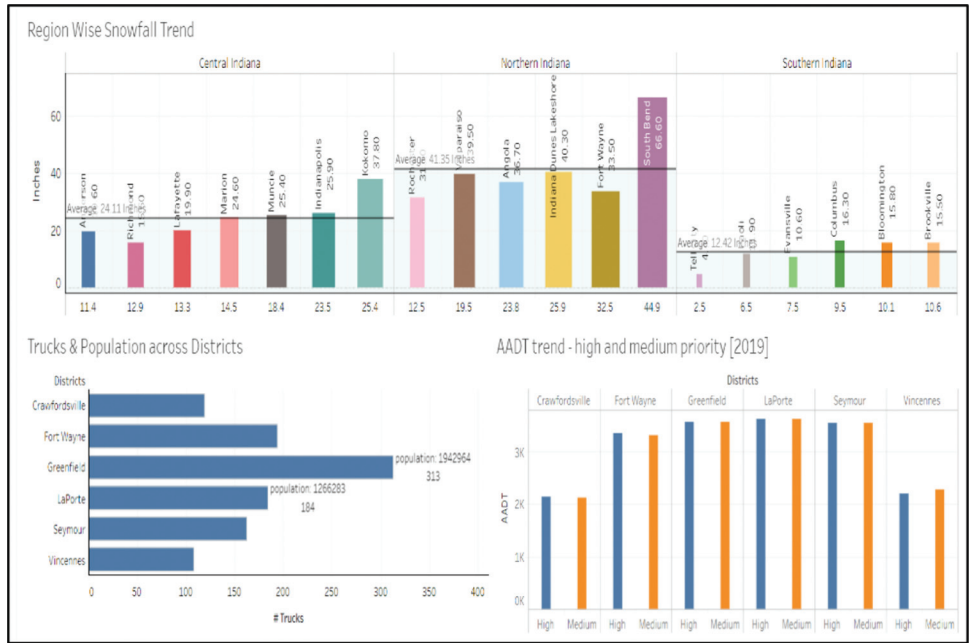


Figure 6.5 Dashboard of exploratory data analysis.

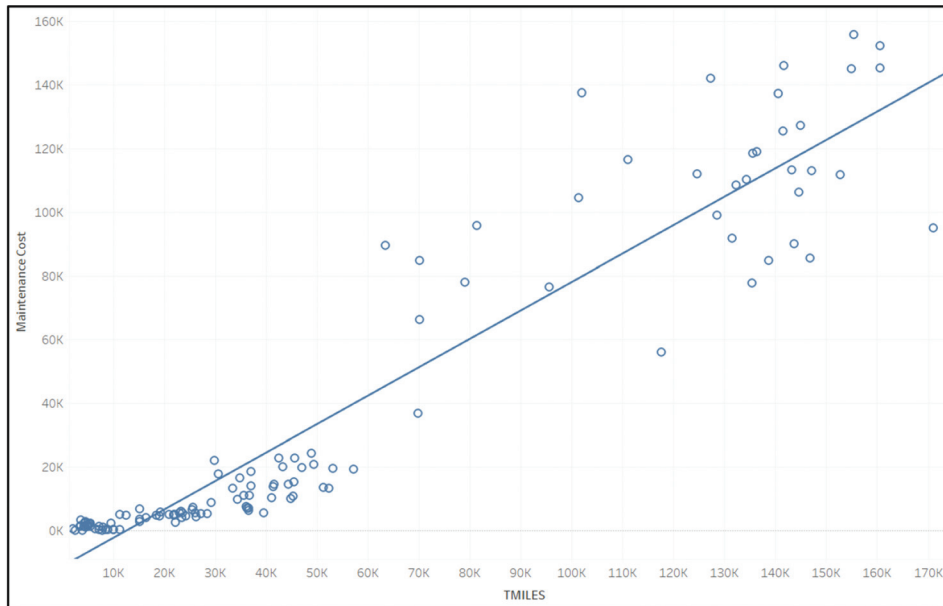
Note: For the purpose of future data analysis and planning, the dashboard is available at <https://public.tableau.com/profile/dcmme>.

truck that significantly contribute to the cost incurred through maintenance. The analysis below shows a relationship between maintenance cost and the number of miles driven for multi-purpose single axle dump trucks. The maintenance costs have been aggregated from the year of purchase to the current year. The $R^2 = 0.89$ indicates low variability between observed data points and the fitted line. The P-value < 0.0001 indicates that the confidence level of the relationship between the maintenance cost and the miles driven is significant. The equation has a positive slope of 0.89 indicating that the maintenance cost has a positive rate of increase with the increase in the number of miles.

To further investigate the effect of the miles accumulated by the truck on the maintenance cost the data points with miles greater than 60,000 miles and lesser than 60,000 miles were analyzed. In both cases the relationship has a good confidence level. While the slopes (m) for both the equations are positive ($m = 0.361343$ for $< 60,000$ mi and $m = 0.556264$ for $>$

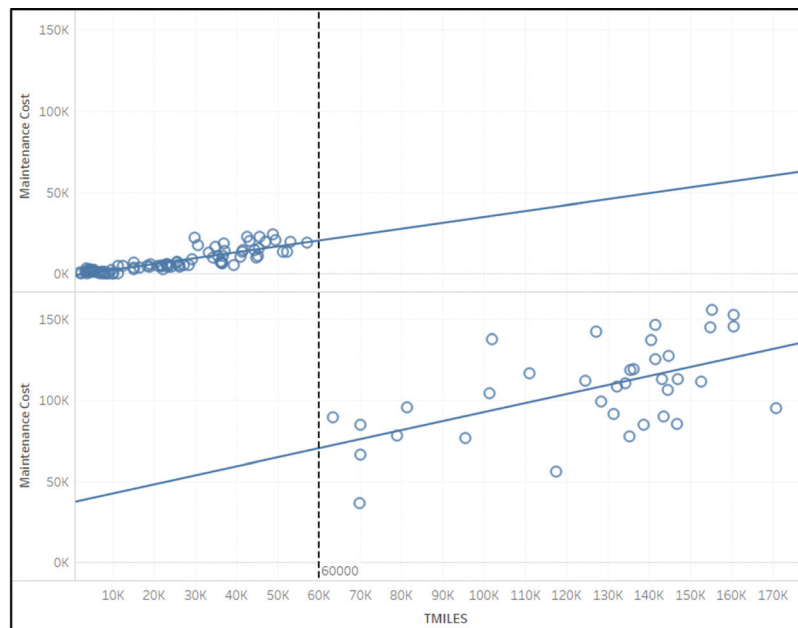
60,000 mi), the slope (m) for the equation of trucks with less than 60,000 miles is *lower* than the trucks with greater than 60,000 miles. This indicates that the maintenance cost for trucks that have been driven through greater than 60,000 miles increases at a greater rate relatively. Therefore, it would benefit to utilize the trucks that have accumulated relatively fewer miles to reduce the cost incurred in maintenance for multi-purpose single axle dump trucks.

6.5.1.2 Maintenance cost vs. age. The analysis below shows a relationship between maintenance cost and the age of the truck, for this category of trucks. The maintenance costs have been aggregated from the year of purchase to the current year. The $R^2 = 0.88$ indicates low variability between observed data points and the fitted line. The P-value < 0.0001 indicates that the confidence level of the relationship between the maintenance cost and the age is significant. The equation has



Maintenance cost = $0.893484 \cdot \text{TMILES} + (-11,303.4)$
 R-squared: 0.892799
 P-value: < 0.0001

Figure 6.6 Analysis of maintenance cost vs. miles driven of multi-purpose single axle INDOT dump trucks.



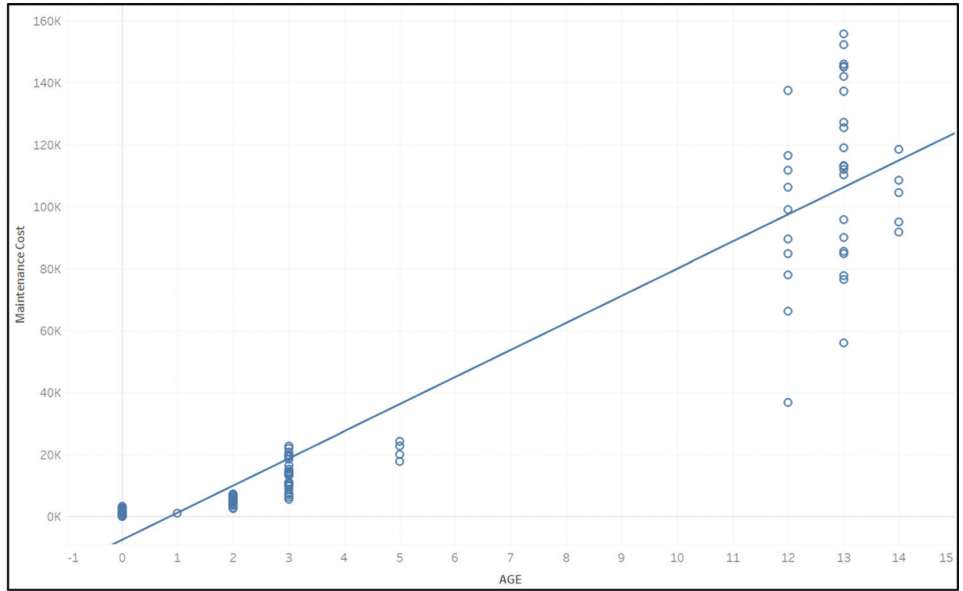
Less than 60,000 miles:
 Maintenance Cost = $0.361343 \cdot \text{TMILES} + (-1278.95)$
 R-Squared: 0.737558
 P-value: < 0.0001

Greater than 60,000 miles:
 Maintenance Cost = $0.556264 \cdot \text{TMILES} + 37020.3$
 R-Squared: 0.338517
 P-value: 0.0001977

Figure 6.7 Analysis of maintenance cost vs. miles driven (trucks with <60,000 mi and >60,000 mi) of multi-purpose single axle INDOT dump trucks.

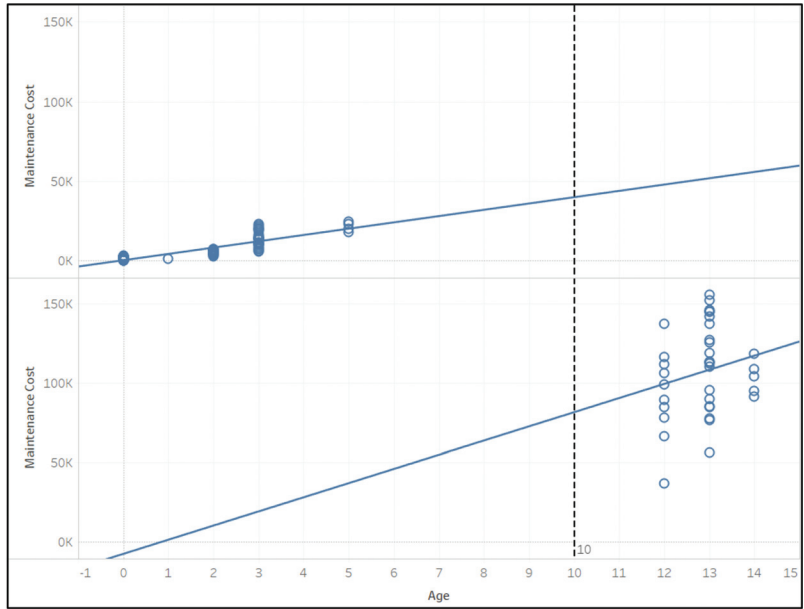
a positive slope (m) of 8,759.48 indicating that the maintenance cost has a positive rate of increase with the age of the truck.

To further investigate the effect of the age of the truck over the maintenance cost, the trucks with age greater than 10 years and lesser than 10 years were



Maintenance cost = 8,759.48*Age + (-7,631.67)
 R-squared: 0.888494
 P-value: <0.0001

Figure 6.8 Analysis of maintenance cost vs. age of multi-purpose single axle INDOT dump trucks.



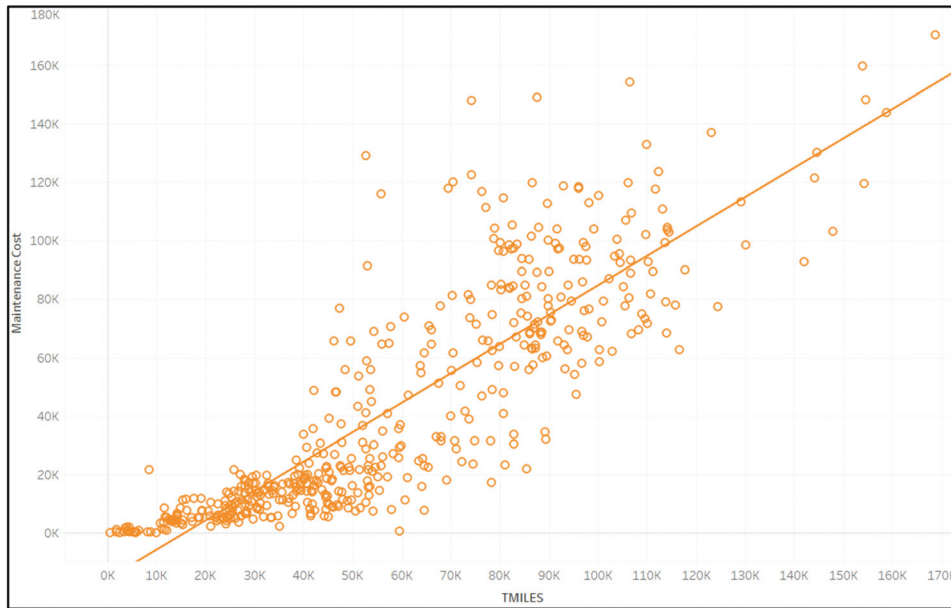
Less than 10 years:
 Maintenance Cost = 3,969.28*Age + 82.0436
 R-Squared: 0.71671
 P-value: <0.0001

Greater than 10 years:
 Maintenance Cost = 8,925.4*Age + (-7,701.35)
 R-Squared: 0.0412286
 P-value: 0.234945

Figure 6.9 Analysis of maintenance cost vs. age of trucks (trucks with <10 years and >10 years) of multi-purpose single axle INDOT dump trucks.

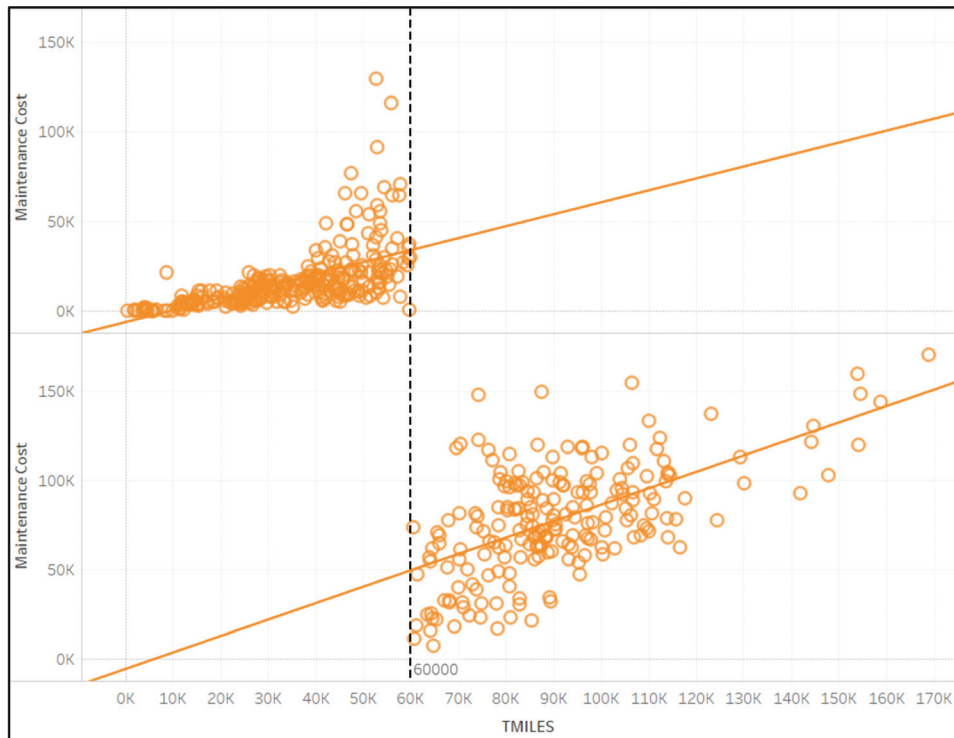
analyzed. In both cases the relationship has a good confidence level. While the slopes (m) for both the equations are positive ($m = 3,969.28$ for < 10 years and $m = 8,925.4$ for > 10 years), the slope (m) for the equation of trucks with less than 10 years is *lower* than the trucks with greater than 10 years. This indicates

that the maintenance cost of the trucks that are older than 10 years is higher than that for trucks less than 10 years. Thus, it is evident from the data that it would be beneficial to utilize newer trucks more frequently for winter operations to reduce maintenance cost and avoid breakdowns.



Maintenance cost = $1.00574 * TMILES + (-15,950.4)$
 R-squared: 0.737739
 P-value: < 0.0001

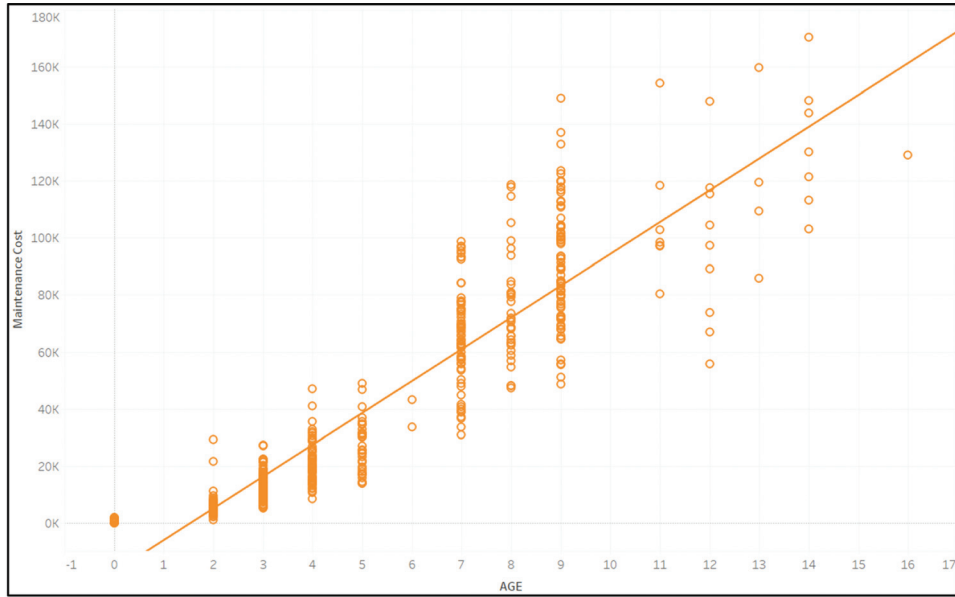
Figure 6.10 Analysis of maintenance cost vs. miles driven of multi-purpose tandem axle INDOT dump trucks.



Less than 60,000 miles:
 Maintenance Cost = $0.666927 * TMILES + (-6,189)$
 R-Squared: 0.346542
 P-value: < 0.0001

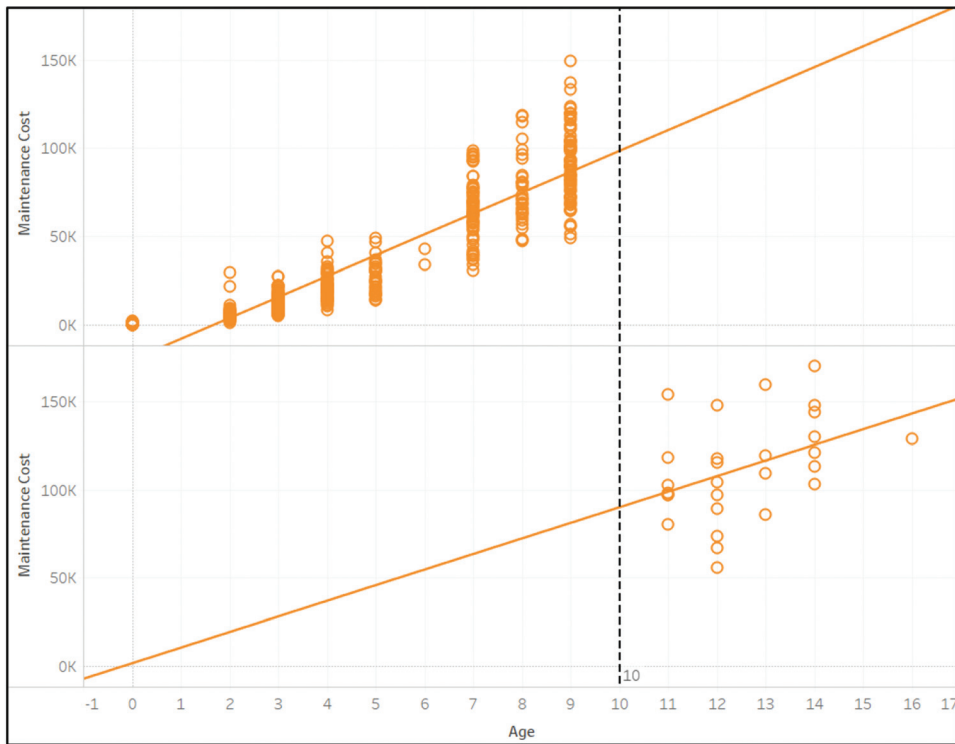
Greater than 60,000 miles:
 Maintenance Cost = $0.917661 * TMILES + (-5,473.15)$
 R-Squared: 0.348586
 P-value: < 0.0001

Figure 6.11 Analysis of maintenance cost vs. miles driven (trucks with <60,000 mi and >60,000 mi) of multi-purpose tandem axle INDOT dump trucks.



Maintenance cost = 11,154.5*Age + (-17,220)
 R-squared: 0.841235
 P-value: < 0.0001

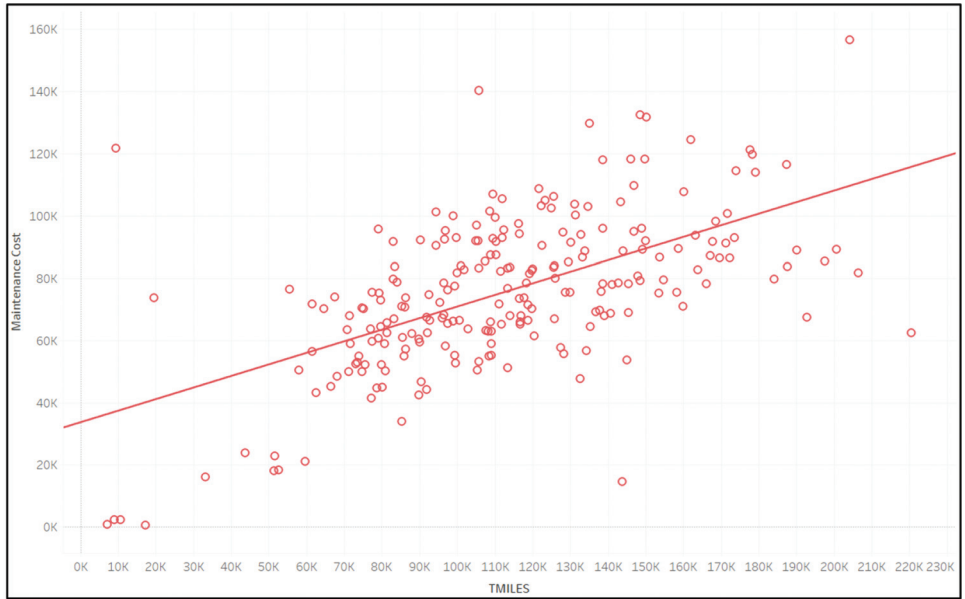
Figure 6.12 Analysis of maintenance cost vs. age of multi-purpose tandem axle INDOT dump trucks.



Less than 10 years:
 Maintenance Cost = 11,820.9*Age + (-19907)
 R-Squared: 0.835277
 P-value: < 0.0001

Greater than 10 years:
 Maintenance Cost = 8,850.56*Age + 1,567.85
 R-Squared: 0.168395
 P-value: 0.0300843

Figure 6.13 Analysis of maintenance cost vs. age (trucks with <10 years and >10 years) of multi-purpose tandem axle INDOT dump trucks.



Maintenance cost = $0.37231 \cdot \text{TMILES} + 33,584$
 R-squared: 0.337125
 P-value: < 0.0001

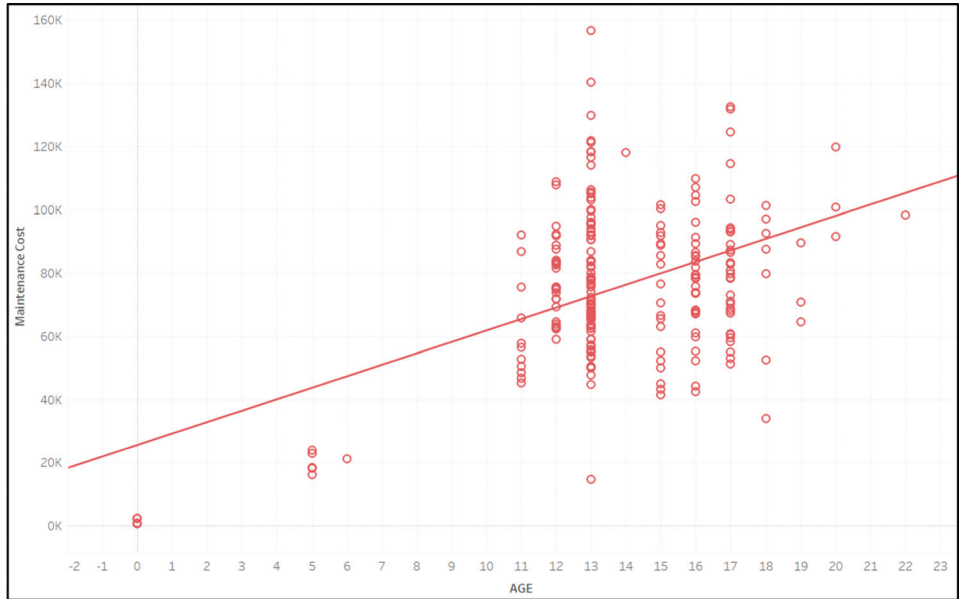
Figure 6.14 Analysis of maintenance cost vs. miles driven of single axle INDOT dump trucks.



Less than 60,000 miles:
 Maintenance Cost = $0.0665483 \cdot \text{TMILES} + 29,807.2$
 R-Squared: 0.0015236
 P-value: 0.894604

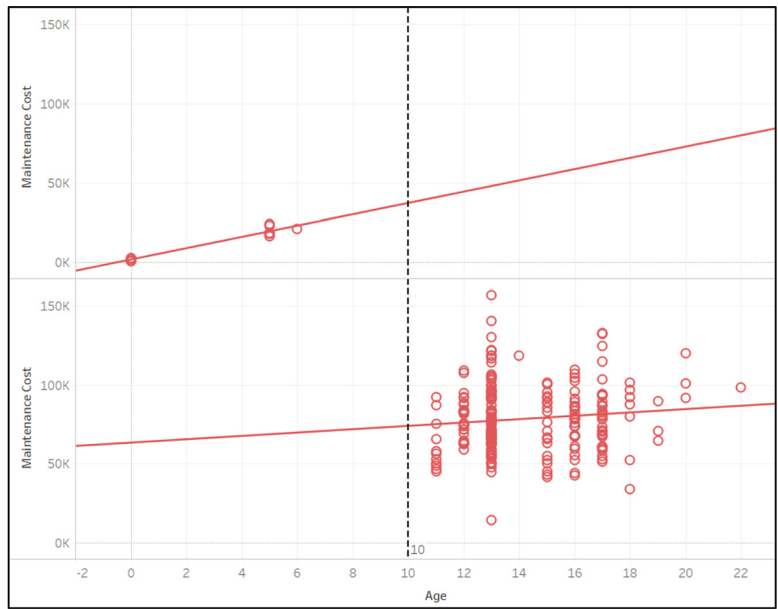
Greater than 60,000 miles:
 Maintenance Cost = $0.310123 \cdot \text{TMILES} + 41,854.4$
 R-Squared: 0.245243
 P-value: < 0.0001

Figure 6.15 Analysis of maintenance cost vs. miles driven (trucks with <60,000 mi and >60,000 mi) of single axle INDOT dump trucks.



Maintenance cost = $3,622.6 * \text{AGE} + 25,466.7$
 R-squared: 0.218958
 P-value: < 0.0001

Figure 6.16 Analysis of maintenance cost vs. age of single axle INDOT dump trucks.



Less than 10 years:
 Maintenance Cost = $35,554.76 * \text{Age} + 1,688.81$
 R-Squared: 0.94182
 P-value: < 0.0001

Greater than 10 years:
 Maintenance Cost = $1,061.44 * \text{Age} + 63,280.9$
 R-Squared: 0.0122105
 P-value: 0.103708

Figure 6.17 Analysis of maintenance cost vs. age (trucks with <10 years and >10 years) of single axle INDOT dump trucks.

6.5.2 Multi-Purpose Tandem Axle Dump Truck

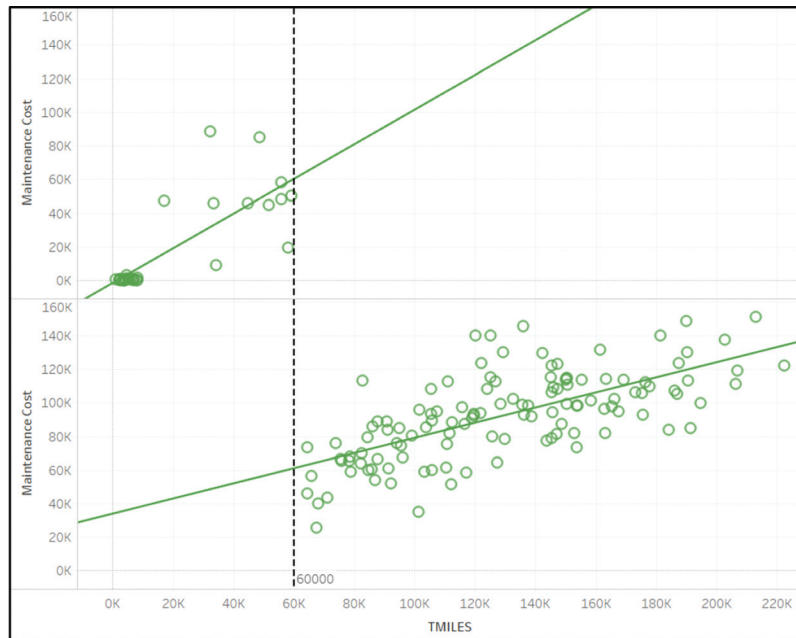
6.5.2.1 Maintenance cost vs. total miles. INDOT has about 500 multi-purpose tandem axle dump trucks and INDOT incurs a significant cost in maintenance due to this category of trucks. The analysis in Figure 6.10 shows the effect of miles driven by the trucks on the

maintenance cost. The equation suggests that the maintenance cost increases with the increase in the miles driven. The P-value < 0.0001 indicates that the confidence level of the relationship between the maintenance cost and the miles driven is significantly higher than 95%. $R^2 = 0.73$ indicates low variability between observed data points and the fitted line. Furthermore,



Maintenance Cost = 0.601615*TMILES + 12,694.7
 R-Squared: 0.754573
 P-value: < 0.0001

Figure 6.18 Analysis of maintenance cost vs. miles driven of tandem axle INDOT dump trucks.



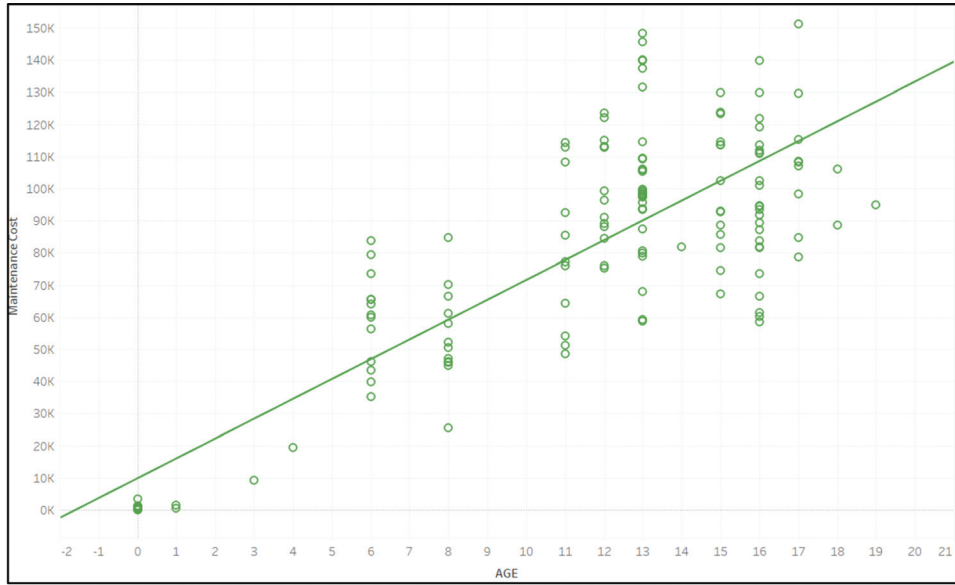
Less than 60,000 miles:
 Maintenance Cost = 1.0286*TMILES
 + (-1,533.72)
 R-Squared: 0.629995
 P-value: < 0.0001

Greater than 60,000 miles:
 Maintenance Cost = 0.45071*TMILES +
 33,930.3
 R-Squared: 0.46041
 P-value: < 0.0001

Figure 6.19 Analysis of maintenance cost vs. miles driven (trucks with <60,000 mi and >60,000 mi) of tandem axle INDOT dump trucks.

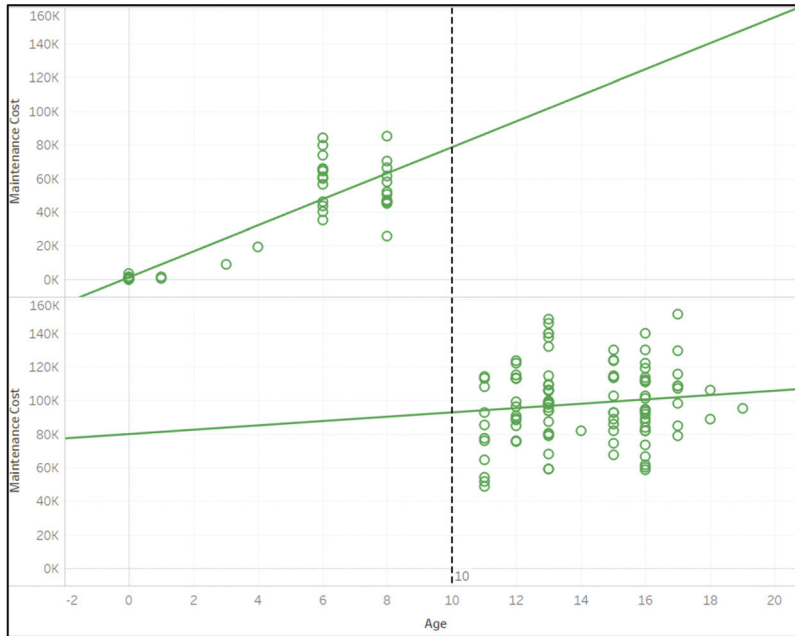
the slope of the equation is positive indicating that the maintenance cost increases at a positive rate with the accumulation of more miles on the truck.

To further investigate the effect of the miles accumulated over the maintenance cost, the data points with miles greater than 60,000 miles and lesser than 60,000



Maintenance cost = 6,173.59*Age + 9,795.75
 R-squared: 0.698826
 P-value: < 0.0001

Figure 6.20 Analysis of maintenance cost vs. age of tandem axle INDOT dump trucks.



Less than 10 years:
 Maintenance Cost = 7,721.65*Age + 1,166.16
 R-Squared: 0.794101
 P-value: < 0.0001

Greater than 10 years:
 Maintenance Cost = 1,292.1*Age + 79,859.3
 R-Squared: 0.013828
 P-value: 0.232208

Figure 6.21 Analysis of maintenance cost vs. age (trucks with <10 years and >10 years) of tandem axle INDOT dump trucks.

miles were analyzed in (Figure 6.11). In both cases the relationship has a good confidence level. While the slopes (m) for both the equations are positive (m = 0.666927 for < 60,000 mi and m = 0.917661 for >60,000 mi), the slope (m) for the equation of trucks

with less than 60,000 miles is *lower* than the trucks with greater than 60,000 miles. This indicates that the maintenance cost for trucks that have been driven through greater than 60,000 miles increases at a relatively greater rate. Therefore, it would benefit to utilize the

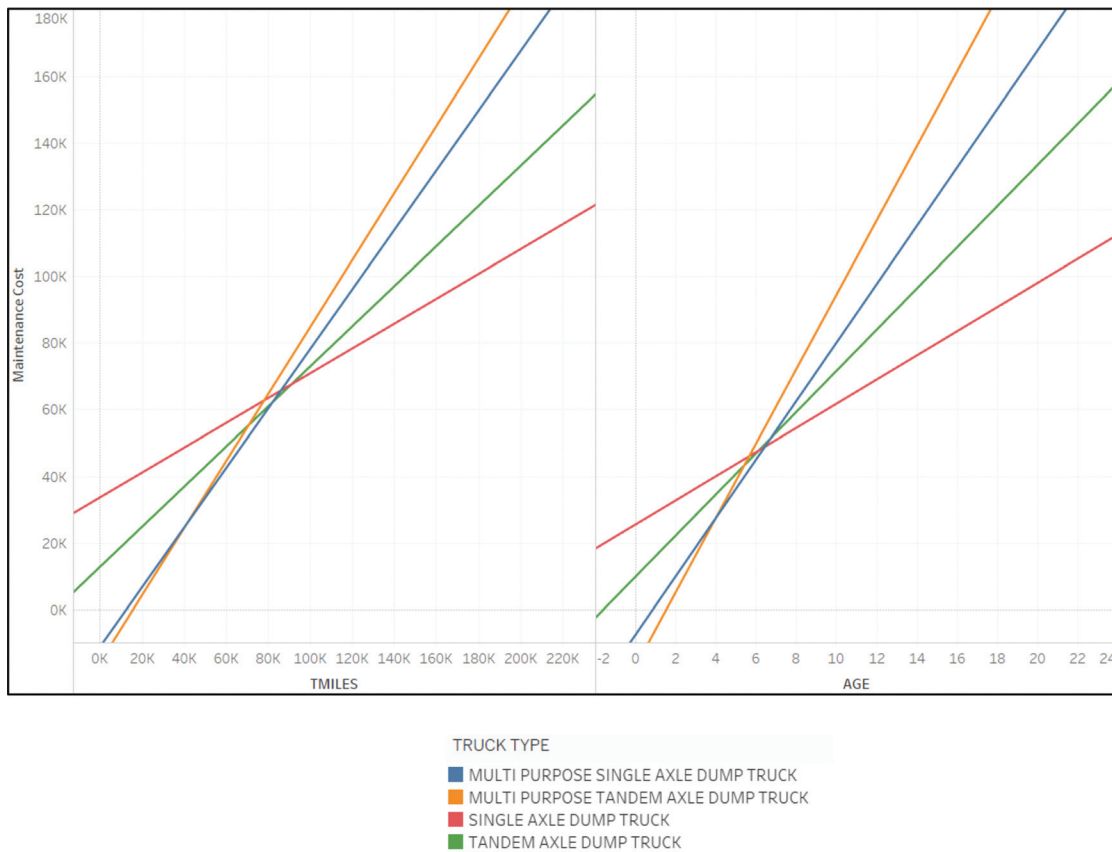


Figure 6.22 Comparison of maintenance cost per category of truck.

trucks that have accumulated relatively fewer number of miles to reduce the cost incurred in maintenance for multi-purpose tandem axle dump trucks.

6.5.2.2 Maintenance cost vs. age. The analysis in Figure 6.12 shows the relationship between the maintenance cost and the age of multi-purpose tandem axle dump trucks. The P-value < 0.0001 indicates that the confidence level of the relationship is significantly higher than 95% and $R^2 = 0.84$ indicates low variability between observed data points and the fitted line. While the maintenance cost has a positive rate of increase due to the slope of the equation (m) being 11,154.5, to further investigate the effect of age on the maintenance cost, the trucks were divided into categories of truck's age greater than 10 years and lesser than 10 years and analyzed in Figure 6.13. While the P-value is less than 0.05 indicating that the relationship between maintenance cost and age has high confidence level, R-squared value indicates low variability between observed points and fitted only for trucks with age less than 10 years. The slope of the equation of the trucks of age lesser than 10 years is positive (m = 11,820.9), indicating that the maintenance cost would increase with an increase in the age of these trucks. Since the slope of the equation of the trucks of age greater than 10 years is less (m = 8,850.56) than the slope of the equation of the trucks of ages less than 10 years (m = 11,820.9), the data

suggests that maintenance cost for newer trucks with increase in age than older trucks in service. This may be due to truck characteristics and their fit with service conditions but is a factor that needs further exploration.

6.5.3 Single Axle Dump Truck

6.5.3.1 Maintenance cost vs. total miles. The analysis in Figure 6.14 shows the effect of miles driven over the maintenance cost for single axle dump truck. The p-value < 0.0001 suggests that the confidence level of the relationship between maintenance cost and miles driven is significant. The slope of the equation (m = 0.37231) is positive, indicating that the maintenance cost increases with the increase in the miles accumulated by the trucks. To further investigate the effect of the miles accumulated over the maintenance cost, trucks with greater than 60,000 miles and less than 60,000 miles were analyzed in Figure 6.15. In both cases the slope of the equation is positive, meaning the maintenance cost increases with increase in the number miles accumulated by the trucks. However, slope (m = 0.06) of the equation for trucks with less than 60,000 miles is much less than the slope (m = 0.3) of the equation for trucks with greater than 60,000 miles. This confirms that the truck's maintenance cost increases with the increase in the number of miles accumulated for trucks that have already accumulated more than 60,000 miles. Thus, it

would benefit to utilize the trucks that have accumulated relatively fewer number of miles to reduce the maintenance cost.

6.5.3.2 Maintenance cost vs. age. The analysis in Figure 6.16 shows the effect of the age of the single axle dump trucks over the maintenance cost incurred. The slope of the equation is positive and equal to 3,622.6 which means that the maintenance cost would increase with the increase in the age of the trucks. The P-value < 0.0001 indicates that the confidence level of the relationship between maintenance cost and the age of single axle dump trucks is significant.

To further investigate the effect of the age of single axle dump trucks, the trucks of age greater than 10 years and less than 10 years were analyzed in Figure 6.17. The analysis indicates that the maintenance cost of trucks with greater than 10 years in age increases with an increase in the age of the trucks, due to the positive value of the slope of the equation, equal to 1,061.44. However, for the trucks less than 10 years in age, the equation of the slope, equal to 35,554.76, suggests that the maintenance cost increases at a relatively higher rate. Therefore, INDOT might incur a higher maintenance cost due to single axle dump trucks in the future due to the newer trucks.

6.5.4 Tandem Axle Dump Truck

6.5.4.1 Maintenance cost vs. total miles. The analysis in Figure 6.18 shows the effect of miles accumulated by the tandem axle dump trucks on the maintenance cost. The equation has a positive slope ($m = 0.6$) indicating that the maintenance cost increases with an increase in the number of miles. The P-value < 0.0001 indicates the high confidence level of the relationship of the maintenance cost and the miles accumulated. To further investigate the effect of the miles driven on the maintenance cost, the trucks that accumulated greater than 60,000 miles and lesser than 60,000 miles were analyzed separately (Figure 6.19). While the slope of the equation for trucks with lesser than 60,000 miles is equal to 1.0286 and greater than 60,000 miles is equal to 0.45071, both positive, the slope of the equation for trucks with greater than 60,000 miles is relatively *lower*, indicating that the miles accumulated is not significantly impacting the maintenance cost incurred for tandem axle dump trucks.

6.5.4.2 Maintenance cost vs. age. The analysis in Figure 6.20 shows the effect of age on the maintenance cost for the tandem axle dump trucks. The positive slope of the truck, equal to 6,173.59 indicates that the maintenance cost increases with the increase in the age of the tandem axle dump truck. The P-value < 0.0001 indicates a high confidence level of the relationship of the maintenance cost and the age. To further investigate the effect of age of the tandem axle dump truck, the trucks were split into trucks of age greater than 10 years and less than 10 years (see Figure 6.21). While the slope of the equation for both the categories are positive, that

slope for trucks with age greater than 10 years is 7,721.65 and age less than 10 years is 1,292.1. Therefore, the maintenance cost of newer trucks increases with age compared to older trucks for tandem axle dump trucks.

6.6 Implementation Plan

The exploratory data analysis is based on the empirical data either made available through INDOT (see Appendix B), INDOT personnel interviews, or online resources. The corresponding sources cited have been referenced in the section above. Important aspects impacting the winter in Indiana were considered and analyzed to aid the planning for winter operations. The analysis of snowfall trend across Indiana (Section 6.1) indicates the high snowfall density in the northern region over the central region and then the southern region. The analysis of population density (Section 6.2) and AADT (Section 6.3) indicates the criticality of operations in the Greenfield district which is in the central region as compared to the higher snowfall areas such as the northern region due to the concentration of people and the presence of Indianapolis. The data analysis is made available through the dashboard (Section 6.4), for future analysis and derivation of insights. The maintenance analysis is conducted as INDOT incurs a major cost through maintenance activities and it is beneficial to analyze, identify, and prioritize truck usage. The analysis of maintenance cost of trucks (categorized based on their type), against their age and miles driven, shows a positive relationship of maintenance cost with age of the trucks and the miles driven separately, with the slope of the equations for respective types of trucks depicting the rate at which the maintenance cost increases with miles and age, respectively. A comparative study indicates that the maintenance cost increases for the multi-purpose tandem axle dump trucks at the highest rate, followed by multi-purpose single axle dump truck, followed by tandem axle dump truck, and then single axle dump truck which increases at the lowest rate (Figure 6.22). Such a performance analysis across trucks may suggest insights to manage maintenance or choose appropriate truck equipment providers to manage maintenance costs while ensuring uptime.

7. CRITICAL LOCATIONS

7.1 Introduction

This section contains the identification and data source of critical locations, map integration, and critical location map application at the state, district, and county level. The locations of these critical elements, which are high priority for snow removal, impacts snow routes and associated committed service levels.

Police station, hospitals, fire departments, and schools are some places that deal with heavy traffic such as students going to school, and emergency issues. For having a better knowledge of local traffic and highly populated area/road in Indiana, identification of critical locations is necessary. We identified police stations, fire departments,

hospitals, and schools as critical locations. The goal for finding out these locations on the map is to analyze the data and improve the winter operations efficiency by combining it with current snow routes, AADT data (classification mentioned in Section 5.3). Utilizing the data and displaying it on the map system can provide detailed and accessible information during winter operation that can be interactive.

7.2 Data Sources of Critical Location

After the identification of the critical locations, searching for reliable database is quite important to build up a map of current critical locations. The decisions made for winter operation directly depend on the accuracy of the data source. To obtain authentic data, various source of data/information (mainly government website) were used in this section.

7.2.1 Hospital Data

As mentioned, obtaining a reliable data source is crucial for our project, the hospital data came from the Indiana hospital directory, a government website (Indiana Department of Health, n.d.). This website contains all hospitals in Indiana categorized by counties. As a downloadable file of the data was unavailable, the data was captured manually. We identified 101 records for hospitals in Indiana according to our source. Table 7.1 provides a sample of the data collected. A detailed list of Hospitals across the state is mentioned in the Appendix C.

7.2.2 School Data

Next, we obtain school critical locations from the Indiana Department of Education (2019). We identified 1,918 records for schools in Indiana according to our source.

Table 7.2 provides a sample of the data collected. A detailed list of schools across the state is provided in Appendix C.

7.2.3 Police Station Data

The police department data came from Indiana government website (Indiana State Police, n.d.). The government website only includes the specific locations of the state police departments instead of the county, city local police stations. After crosschecking with the link (50States.com, n.d.) for all Indiana police departments and every local city police station website, it was added to the police station list for future reference. We identified 391 records for police stations in Indiana according to our source. Table 7.3 provides a sample of the data collected. A detailed list of Police Departments across the state is mentioned in Appendix C.

7.2.4 Fire Department Data

We obtained the fire department locations from Indiana volunteer firefighter organization (Indiana

Volunteer Firefighter Organization, n.d.). The data includes both fire department locations and volunteer fire department locations. We identified 391 records for fire departments in Indiana according to our source. Table 7.4 provides a sample of the data collected. A detailed list of fire departments across the state is mentioned in Appendix C.

7.3 Critical Location Mapping on Google Maps

Providing a better visualization of the critical location is the key to improve winter operation efficiency. Google Maps, one of the most commonly used mapping tools, was used to build up the critical location system. For constructing the map of critical locations in Indiana, the input was the combination of the data collected.

The basic structure of the mapping tool included the following critical locations:

- Hospital
- School
- Police station
- Fire department

As the data for each critical location type was a separate file, the map display was created by inputting each file separately. Figure 7.1 represents the map of Indiana on Google Maps. A new layer for each critical location is created on Google Maps by importing the data from the files. Each type of critical location is given a uniform icon for better distinction. Locations of hospitals, schools, police stations, and fire departments are displayed in Figure 7.2, Figure 7.3, Figure 7.4 and Figure 7.5 respectively.

7.4 State-Level Mapping Tool

To get a better idea of all the critical locations across Indiana, we added all the layers of critical locations together on the state map of Indiana. Figure 7.6 displays the map of Indiana representing all the critical locations across the state on Google Maps.

7.5 District-Level Mapping Tool

Since a state-level map only provides an overview of the entire state, we created a district-level mapping tool for further analysis. Since we have the information of critical locations county-wise, we used INDOT's classification of counties into districts (IN.gov, n.d.b) that are formed for the purpose of organizing and managing highway construction, maintenance, traffic, development, and testing. By creating a more detailed view of the critical locations at district-level, we were able to analyze the current snow routes that INDOT employees. This would allow us to identify any opportunities for improvement and prioritization of snow routes based on critical locations. According to INDOT, Indiana is divided into six different districts: Crawfordsville, Fort Wayne, Greenfield, La Porte, Seymour, and Vincennes.

TABLE 7.1
Indiana Hospital Critical Locations

Hospital Name	City	County
Community Hospital Anderson	Anderson	Madison
Saint Vincent Anderson	Anderson	Madison
Parkview DeKalb Hospital	Auburn	DeKalb
Ascension St. Vincent Hospital Avon	Avon	Hendricks
IU Health West Hospital	Avon	Hendricks
IU Health Bloomington Hospital	Bloomington	Monroe
Monroe Hospital	Bloomington	Monroe
Bluffton Regional Medical Center	Bluffton	Wells
Ascension Saint Vincent Carmel	Carmel	Hamilton
Ascension St. Vincent Carmel	Carmel	Hamilton
Franciscan Health Carmel	Carmel	Hamilton
IU Health North Hospital	Carmel	Hamilton
Parkview Whitley Hospital	Columbia City	Whitley
Columbus Regional Hospital	Columbus	Bartholomew
Franciscan Health Crawfordsville	Crawfordsville	Montgomery
Franciscan Health Crown Point	Crown Point	Lake
Pinnacle Hospital	Crown Point	Lake
Danville Hospital Main Campus	Danville	Hendricks
Franciscan Health Dyer Campus	Dyer	Lake
Saint Catherine Hospital	East Chicago	Lake
Elkhart General Hospital	Elkhart	Elkhart
Ascension Saint Vincent Evansville	Evansville	Vanderburgh
Deaconess Midtown Hospital	Evansville	Vanderburgh
IU Health Saxony Hospital	Fishers	Hamilton
Saint Vincent Fishers Hospital	Fishers	Hamilton
Dupont Hospital	Fort Wayne	Allen
Lutheran Health Network, The Orthopedic Hospital	Fort Wayne	Allen
Lutheran Hospital	Fort Wayne	Allen
Parkview Hospital Randallia	Fort Wayne	Allen
Parkview Ortho Hospital	Fort Wayne	Allen
Parkview Regional Medical Center	Fort Wayne	Allen
Saint Joseph Hospital	Fort Wayne	Allen
VA Northern Indiana Health Care System–Fort Wayne Campus	Fort Wayne	Allen
Johnson Memorial Hospital	Franklin	Johnson
Methodist Hospitals–Northlake Campus	Gary	Lake
Goshen Hospital	Goshen	Elkhart
Hancock Regional Hospital	Greenfield	Hancock
Franciscan Health Hammond	Hammond	Lake
Saint Mary Medical Center	Hobart	Lake
Parkview Huntington Hospital	Huntington	Huntington
Ascension Saint Vincent Indianapolis Hospital	Indianapolis	Marion
Ascension St. Vincent Castleton	Indianapolis	Marion
Community Heart And Vascular Hospital	Indianapolis	Marion
Community Hospital East	Indianapolis	Marion
Community Hospital North	Indianapolis	Marion
Community Hospital South	Indianapolis	Marion
Fairbanks Hospital	Indianapolis	Marion
Franciscan Health Indianapolis	Indianapolis	Marion
IU Health Methodist University	Indianapolis	Marion

Six distinct maps were created to pinpoint critical locations in different districts (Figures 7.8 through 7.13). Figure 7.7 represents Indiana divided into six districts and color-coded for distinction. The pink region represents Crawfordsville. The dark blue region represents La Porte. The Green region represents Greenfield. The light blue region represents Vincennes. The grey region represents Fort Wayne. The Indigo region represents Seymour.

7.6 Unit-Level Mapping Tool

Based on our preliminary research and the interviews conducted (interview summary), it is evident that snow routes are maintained by each unit in the district. Thus, it is important to have a more detailed map of critical locations at unit level. We selected Crane unit in Vincennes district for a sample. Figure 7.14 shows a

TABLE 7.2
Indiana School Critical Locations

IDOE_SCHOOL_ID	School Name	County
4164	21st Century Charter School of Gary	Lake
1111	ACE Preparatory Academy	Marion
0013	Adams Central Middle School	Adams
0020	Adams Central Elementary School	Adams
0021	Adams Central High School	Adams
5041	Alexandria-Monroe High School	Madison
5065	Alexandria-Monroe Intermediate	Madison
5069	Alexandria-Monroe Elementary	Madison
1002	Allegiant Preparatory Academy	Marion
4906	COMPASS Alternative School	Madison
4945	Anderson High School	Madison
4953	Edgewood Elementary School	Madison
4977	Tenth Street Elementary School	Madison
5023	Southview Preschool Center	Madison
5033	Valley Grove Elementary School	Madison
5076	Highland Middle School	Madison
5102	Eastside Elementary School	Madison
5142	Anderson Elementary School	Madison
5146	Erskine Elementary School	Madison
5092	Anderson Preparatory Academy	Madison
5488	Andrew J Brown Academy	Marion
5936	Argos Community Elementary	Marshall
5937	Argos Comm Jr-Sr High School	Marshall
4043	Aspire Charter Academy	Lake
2053	Attica High School	Fountain
2057	Attica Elementary School	Fountain
2726	River Birch Elementary School	Hendricks
2728	Avon Intermediate School East	Hendricks
2729	Avon Intermediate School West	Hendricks
2730	Avon Middle School North	Hendricks
2733	Maple Elementary School	Hendricks
2734	White Oak Elementary School	Hendricks
2735	Sycamore Elementary School	Hendricks
2736	Avon Middle School South	Hendricks
2737	Avon High School	Hendricks
2738	Cedar Elementary School	Hendricks
2739	Pine Tree Elementary School	Hendricks
2740	Hickory Elementary School	Hendricks
5716	Avondale Meadows Academy	Marion
7094	Avondale Meadows Middle School	Marion
1069	Barr Reeve Middle/High School	Daviess
1073	Barr Reeve Primary Grade School	Daviess
1075	Barr Reeve Elementary School	Daviess
0328	Clifty Creek Elementary School	Bartholomew
0346	CSA Lincoln Campus	Bartholomew
0353	Mount Healthy Elementary School	Bartholomew
0354	Richard L Johnson Early Educ Central	Bartholomew
0357	Parkside Elementary School	Bartholomew
0363	W D Richards Elementary School	Bartholomew
0366	Rockcreek Elementary School	Bartholomew
0369	Lillian Schmitt Elementary School	Bartholomew
0371	L F Smith Elementary	Bartholomew
0375	CSA Fodrea Campus	Bartholomew
0377	Taylorsville Elementary School	Bartholomew
0387	Columbus Area Career Connection	Bartholomew
0390	Central Middle School	Bartholomew
0392	Southside Elementary School	Bartholomew
0395	Northside Middle School	Bartholomew
0397	Columbus North High School	Bartholomew
0399	Columbus East High School	Bartholomew
7217	Batesville High School	Ripley

TABLE 7.2
(Continued)

IDOE_SCHOOL_ID	School Name	County
7218	Batesville Primary School	Ripley
7219	Batesville Middle School	Ripley
7229	Batesville Intermediate School	Ripley
1701	Jimtown High School	Elkhart
1703	Jimtown Junior High School	Elkhart
1705	Jimtown Elementary School	Elkhart
1707	Jimtown Intermediate School	Elkhart
5449	Beech Grove Sr High School	Marion

TABLE 7.3
Indiana Police Station Critical Locations

Police Station Address	City	County
212 E State St Albany, IN 47320	Albany	Delaware County
204 S Harrison St Alexandria, IN 46001	Alexandria	Madison County
700 Meridian St Anderson, IN 46016	Anderson	Madison County
101 E Oak St Anderson, IN 46012	Anderson	Madison County
1407 Arrow Ave Anderson, IN 46016	Anderson	Madison County
700 Meridian St Anderson, IN 46016	Anderson	Madison County
700 Meridian St Anderson, IN 46016	Anderson	Madison County
700 Meridian Plz Anderson, IN 46016	Anderson	Madison County
700 Meridian St Anderson, IN 46016	Anderson	Madison County
208 W Main St Arcadia, IN 46030	Arcadia	Hamilton County
105 E Main St Atlanta, IN 46031	Atlanta	Hamilton County
200 S Mcdonald St Attica, IN 47918	Attica	Fountain County
218 3rd St Aurora, IN 47001	Aurora	Dearborn County
80 W Main St Austin, IN 47102	Austin	Scott County
PO Box 385 Bainbridge, IN 46105	Bainbridge	Putnam County
305 N College Ave Muncie, IN 47303	Muncie	Delaware County
104 E Catherine St Batesville, IN 47006	Batesville	Ripley County
132 S Main St Batesville, IN 47006	Batesville	Ripley County
100 College St Battle Ground, IN 47920	Battle Ground	Tippecanoe County
1617 K St Bedford, IN 47421	Bedford	Lawrence County
340 Churchman Ave Beech Grove, IN 46107	Beech Grove	Marion County
119 E 2nd St Bicknell, IN 47512	Bicknell	Knox County
12 E Main St Bloomfield, IN 47424	Bloomfield	Greene County
220 E 3rd St Bloomington, IN 47401	Bloomington	Monroe County
157 Franklin St Valparaiso, IN 46383	Valparaiso	Porter County
121 E Locust St Boonville, IN 47601	Boonville	Warrick County
203 E National Ave Brazil, IN 47834	Brazil	Clay County
203 E National Ave Brazil, IN 47834	Brazil	Clay County
97 Centenary Rd Mooresville, IN 46158	Mooresville	Morgan County
205 E 3rd Brookston, IN 47923	Brookston	White County

Google Maps displaying the critical locations in Crane unit.

The borders of the Crane unit are displayed by black lines. The other color-coded lines represent the current routes Crane unit uses during winter operation for snow removal. The pink pinpoints represent the Class 1 road and location by comparing AADT data (see 5.3 Classification).

7.7 Implementation Plan

The construction of critical location map system will provide a visualization of locations that INDOT may

bring more attention to during the winter operation. The state-level, district-level, and unit-level maps are made of critical locations consisting of police station data, hospital location data, fire department data, and public-school data. Those maps can be used after acquiring district/unit borders, local AADT data, and snow routes. Feeding this data to maps (Figure 7.14), will help INDOT make better decision on their current snow routes or reduce truck usage. The critical location map can also be used in testing the new system/routes design and combine the critical map with the simulation model (see Section 8 Simulation Model).

TABLE 7.4
Indiana Fire Department Critical Locations

Fire Department	County
Adams Markleville Fire Prot. Terr.	Madison
Ainsworth Deep River Fire Dept.	Lake
Albany EMS	Delaware
Aluminum Co. of America	Warrick
Anderson Twp. Fire Dept.	Rush
Auburn Fire Dept.	DeKalb
Aurora Emergency Rescue, Inc	Dearborn
Aurora Fire Dept.	Dearborn
B. P. Fire Brigade	Lake
Bargersville Comm. Fire Dept.	Johnson
Bass Lake Fire Dept. Inc.	Starke
Baugo Fire Dept.	Elkhart
Bicknell Fire Dept.	Knox
Black Diamond Fire Dept.	Vermillion
Black Twp. Fire & Rescue	Posey
Blue River Fire Dept. Inc.	Washington
Bluffton Fire Dept.	Wells
Boone County Fire Dept.	Boone
Boonville Fire Dept.	Warrick
Boston Comm. Fire Dept.	Wayne
Bowling Green Fire Dept.	Clay
Bristol Fire Dept.	Elkhart
Brown Twp. Fire & Rescue	Morgan
Brownsburg Fire Territory	Hendricks
Buck Creek Station 71	Hancock
Buck Creek Station 72	Hancock
Buffalo-Liberty Twp. Fire Dept.	White
Camden-Jackson Twp. Fire Dept.	Carroll
Carter Fire District	Spencer
Cass-Clinton Fire Dept.	La Porte

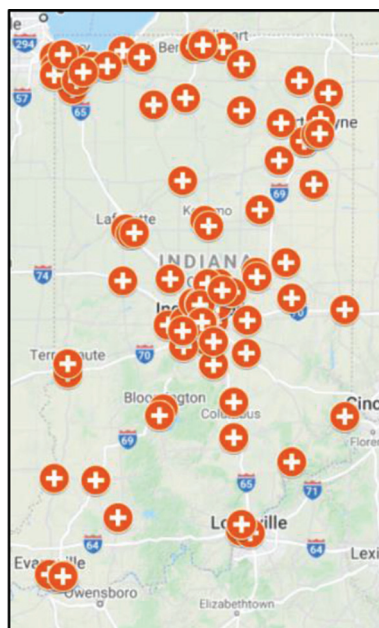


Figure 7.2 Indiana state-level hospital map (Google, n.d.d).

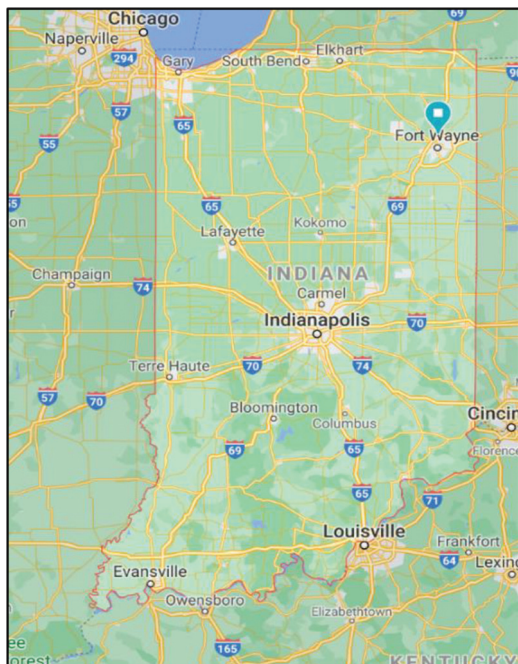


Figure 7.1 Indiana on Google Maps.



Figure 7.3 Indiana state-level school map (Google, n.d.e).



Figure 7.4 Indiana state-level police station map (Google, n.d.f).

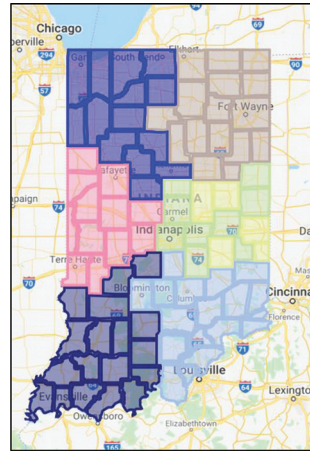


Figure 7.7 Indiana INDOT district map (Google, n.d.b).

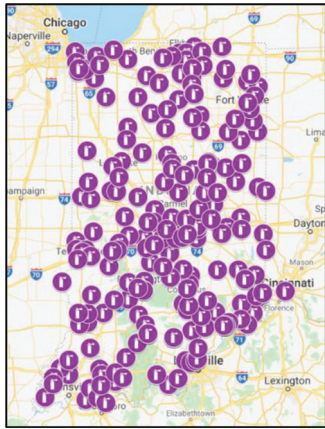


Figure 7.5 Indiana state-level fire department map (Google, n.d.c).

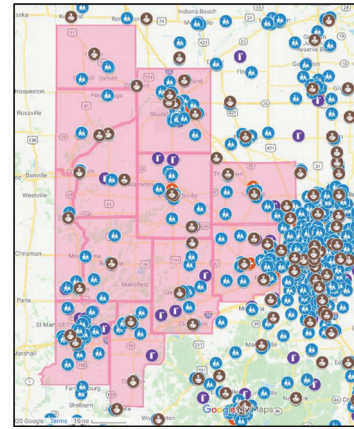


Figure 7.8 Crawfordville critical location map (Google, n.d.b).



Figure 7.6 Indiana state-level critical location map (Google, n.d.g).

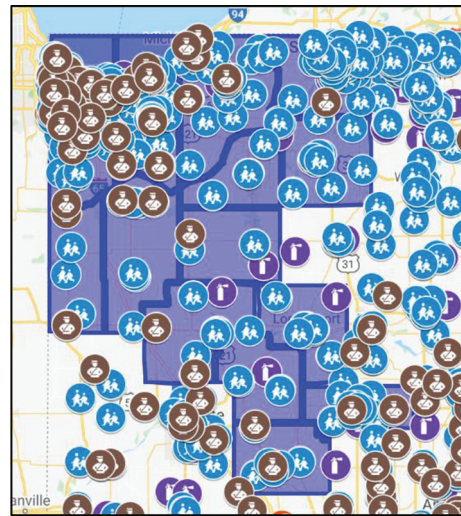


Figure 7.9 La Porte critical location map (Google, n.d.b).

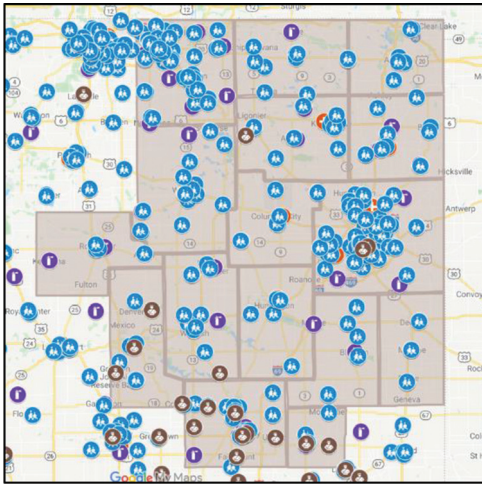


Figure 7.10 Fort Wayne critical location map (Google, n.d.b).

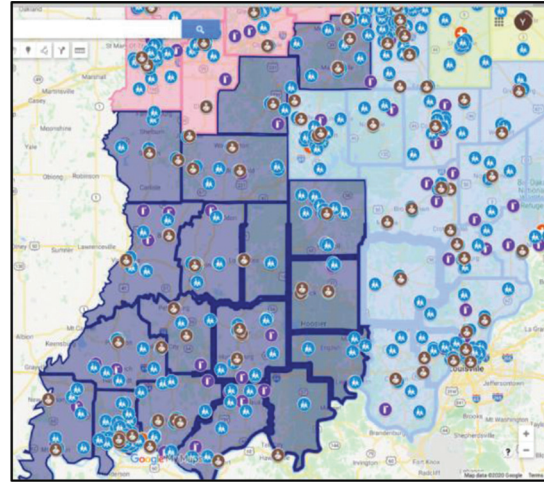


Figure 7.11 Vincennes critical locations map (Google, n.d.b).

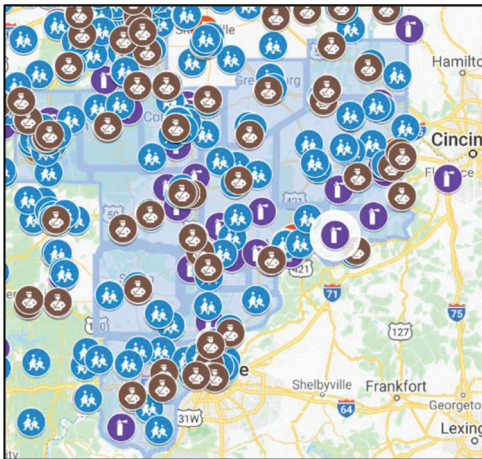


Figure 7.12 Seymour critical locations map (Google, n.d.b).

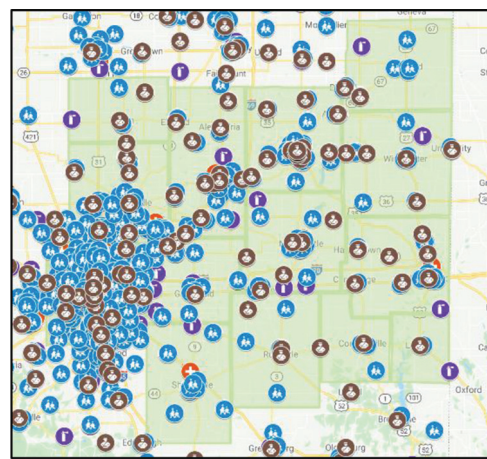


Figure 7.13 Greenfield critical locations map (Google, n.d.b).

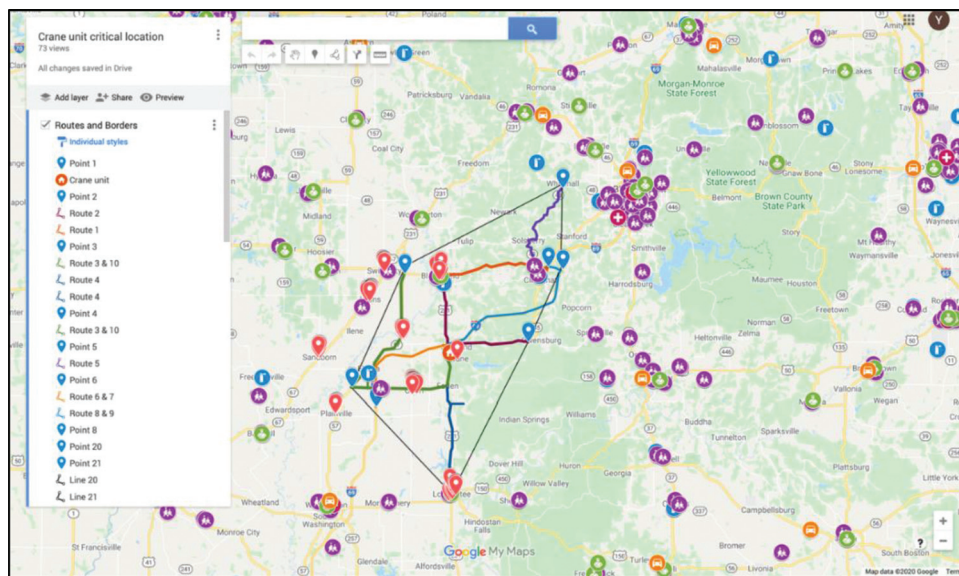


Figure 7.14 Crane unit critical location map (Google, n.d.a).

8. SIMULATION MODEL

8.1 Introduction

This section contains details of a representative simulation model, modeled after Crane base unit in Vincennes district, Indiana. The model is used to simulate various weather events across the year and closely represent various aspects of corresponding INDOT unit responses from an operational perspective. The simulations enable data collection at various stages and thus statistical analysis on lead time taken to carry out these operations and draw useful insights from them. Further, a few hypothetical scenarios can be virtually analyzed i.e., the increase or decrease in existing resource capability and their impact on current operational methods, exploring the opportunity to share resources or routes to effectively improve efficiency by reducing consumption, etc.

Various critical locations in pertinence to Crane unit were identified as discussed in sections above. The identified locations in combination with the historic data and snow routes of Crane unit were then classified based on the average daily traffic density at these locations and criticality of these locations. They were broadly classified into three categories namely Class-I, Class-II, and Class-III. Class-I routes being attributed with the highest priority followed by Class-II and Class-III with the lowest priority. These classifications were used in presented simulation model to prioritize resource allocation.

8.2 Simulation Software

An open-source software, Java Animation Modelling and Simulation, abbreviated as JaamSim was used to design the simulation model. JaamSim offers interactive graphical user interface, 3D modeling, and customization

of simulation runs. A basic layout of the software is shown in Figure 8.1.

The software is highly flexible in redefining the built-in elements to suit user's requirements and further make changes. For this simulation, built-in objects used to build the model include:

- Entities to represent requests and resources which then will be traced along the graphical objects.
- Objects for process flow where various priorities and resource allocation will be defined (servers, queues, seize, release, assign, etc.).
- Statistical objects for data collection which then further enables data analysis.
- Text objects for labelling and documentation.
- Probability distributions for sampling and generators to periodically generate service requests.
- Graphical objects for background maps to dynamically retrace snow routes.

8.3 Winter Operations Simulation Model (Crane)–Overview

The simulation model is designed to simulate various weather events to eventually calculate overall lead time, time spent on service miles, deadhead miles, and waiting for resources to be available.

In order to simulate winter operations at Crane unit, a few assumptions were made. Ideally, according to the *Total Storm Management Manual* (McCullouch, 2009), the trucks are preassigned to designated snow routes and are expected to remain only on the assigned route. Only in case of severe storms and when either the trucks or drivers are not available, they are reassigned to concentrate on routes other than the assigned routes based on priority. For this simulation, the trucks are not preassigned with any routes. They are considered to

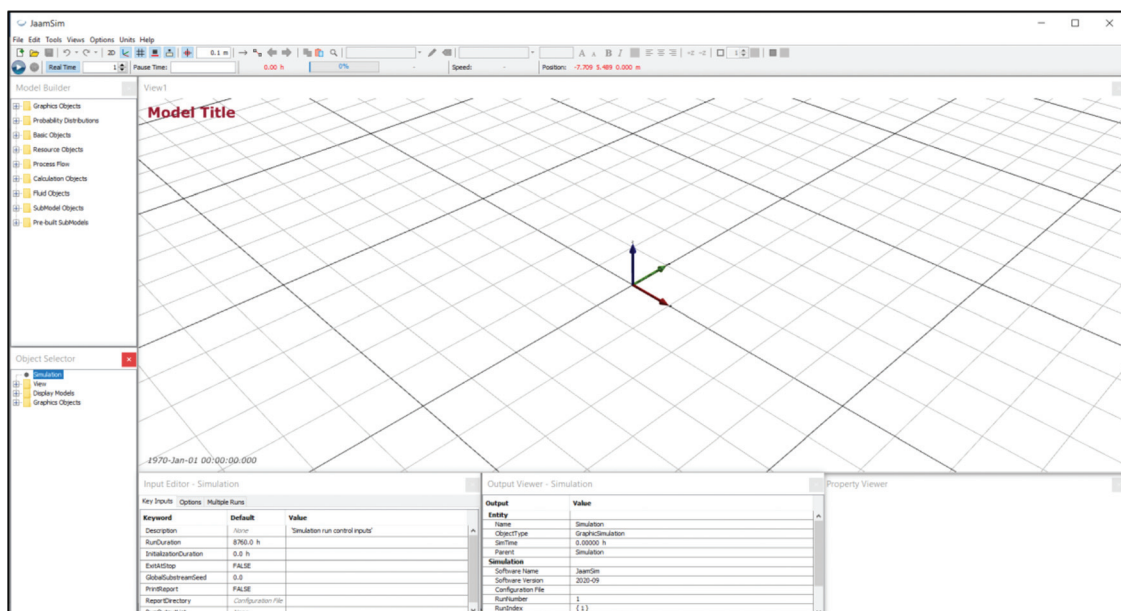


Figure 8.1 JaamSim layout.

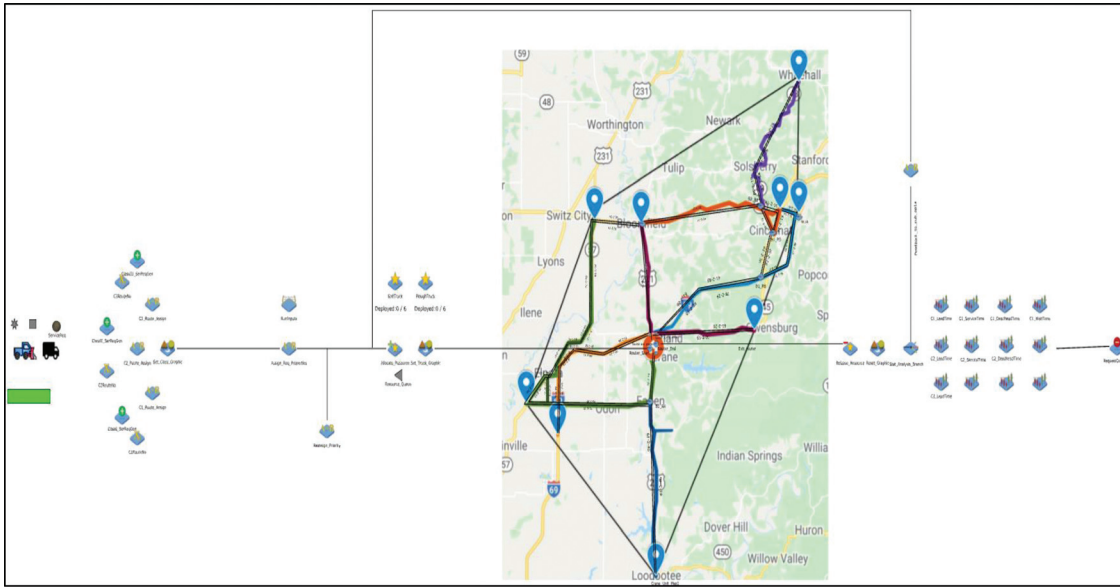


Figure 8.2 Crane unit, Vincennes—winter operations.

be stationed at the base unit when they are not carrying out any service request and are dynamically assigned to routes to carry out the service request from the top of the priority queue at any given point in time. However, once a truck is assigned to a particular route, until the route is serviced at least once, they are not reassigned to another route. The overall layout of the model is shown in Figure 8.2. Details of the various features in the model are described in detail in the following subsections.

8.4 Service Requests

Based on the *Total Storm Management Manual*, Class I routes should be serviced approximately every 2 hours. Class II routes should be serviced approximately every 2.5 hours and Class III routes should be serviced approximately every 3 hours (McCullough, 2009). An “Entity” is used to represent these service requests. Entities are generated periodically in the simulation using generators. As shown in Figure 8.3, three different generators are used to generate the service requests for their corresponding classifications periodically and each generated entity represent a service request. The entities are graphically differentiated to enhance visual demarcation during the simulation. Also, these entities, in the later stage of the simulation, when resources are assigned, takes a truck form until the service route is completed and the resource is released. The service requests generation is uniformly distributed and made periodical based on classifications they are generated under.

Once the service requests are carried out (i.e., initial operation and subsequent operation if any) they are marked complete and sent to sink.

8.5 Model Inputs

The simulation model accounts for various weather events and their corresponding pavement temperature

range and trend. The *Total Storm Management Manual* (McCullough, 2009) identifies six different weather events (light snowstorms, light snowstorms with periods of moderate or heavy snow, moderate or heavy snowstorms, frost or black ice, freezing rainstorms, and sleet storms) and in combination with the pavement temperature range, twenty-seven different scenarios.

A salt spread rate is defined for each of these scenarios as shown in Figure 8.4. The rate of application, especially for chemicals, ranges between 100 to 250 lbs. per lane-mile for light snowstorms, light snowstorm with periods of moderate or heavy snow, and moderate or heavy snowstorms. It ranges from 65–250 lbs. per lane mile for frost or black ice and freezing rainstorm conditions and ranges from 125–400 lbs. per lane-mile for a sleet storm. The spread rate will depend on the severity of the event and the stage of application (initial or subsequent). Also, as a part of de-icing operations, snowplowing operation is considered to be process of removing as much snow and loose ice as possible before applying de-icing agents. When the pavement and snow are both cold and dry or when the snow is blowing across the pavement, only then plowing is required and the application of any de-icing agents or other chemicals in this condition will help in bonding the precipitation to the roadway.

Tables 1 through 6 in the *Total Storm Management Manual* (McCullough, 2009) represent operational guidelines for field maintenance and the data represented are based on information gathered by 15 state highway agencies and supported by SHRP and FHWA. These tables have been translated into a single table and generalized for the purpose of this simulation. A screenshot of the table is shown in Figure 8.4. A copy of the .txt file containing this version of the table, that is also used to import data into the simulation, can be found in the RunInputs Table (.txt) section of Appendix D.

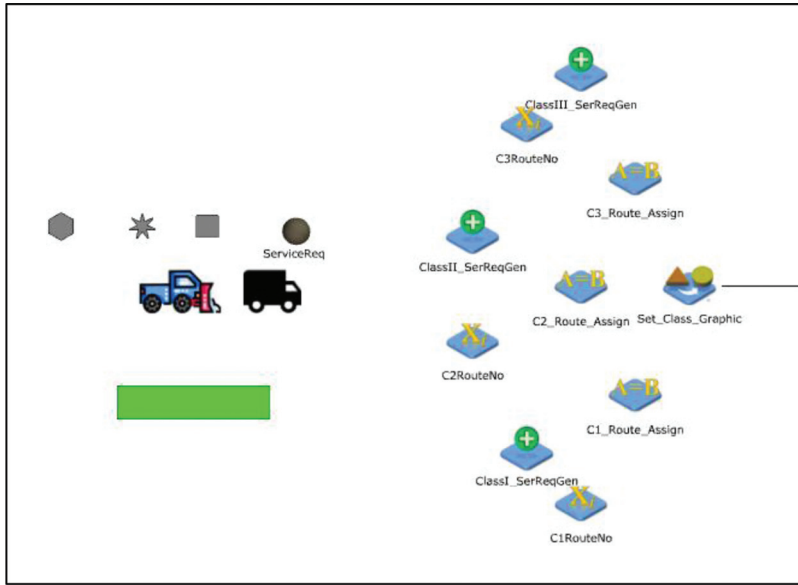


Figure 8.3 Service requests.

Index	# Weather Event	Pavement Temperature Range and Trend	Initial Operation		Subsequent Operation		Average Speed
			Maintenance Required?	Salt Spread Rate (lb/LM)	Maintenance Required?	Salt Spread Rate (lb/LM)	
1	Light Snow Storm	Above 32°	0	0	0	0	25
2	Light Snow Storm	20 to 32°	1	100	2	100	22.5
3	Light Snow Storm	15 to 20°	1	200	2	200	20
4	Light Snow Storm	Below 15°	2	250	2	250	18.75
5	Light Snow Storm with Periods of Moderate or Heavy Snow Above 32°	Above 32°	0	0	0	0	25
6	Light Snow Storm with Periods of Moderate or Heavy Snow 25 to 32°	25 to 32°	1	100	2	200	21.25
7	Light Snow Storm with Periods of Moderate or Heavy Snow 15 to 25°	15 to 25°	1	200	2	250	19.375
8	Light Snow Storm with Periods of Moderate or Heavy Snow Below 15°	Below 15°	2	250	2	250	18.75
9	Moderate or Heavy Snow Storm	Above 32°	0	0	0	0	25
10	Moderate or Heavy Snow Storm	30 to 32°	1	100	2	100	22.5
11	Moderate or Heavy Snow Storm	25 to 30°	1	200	2	200	20
12	Moderate or Heavy Snow Storm	15 to 25°	1	200	2	250	19.375
13	Moderate or Heavy Snow Storm	Below 15°	2	250	2	250	18.75
14	Frost or Black Ice	Above 32°	0	0	0	0	25
15	Frost or Black Ice	28 to 32°	1	65	1	65	23.375
16	Frost or Black Ice	20 to 28°	1	130	1	130	21.75
17	Frost or Black Ice	15 to 20°	1	200	1	200	20
18	Frost or Black Ice	Below 15°	1	250	1	250	18.75
19	Freezing Rain Storm	Above 32°	0	0	0	0	25
20	Freezing Rain Storm	28 to 32°	1	65	1	65	23.375
21	Freezing Rain Storm	20 to 28°	1	130	1	130	21.75
22	Freezing Rain Storm	15 to 20°	1	200	1	200	20
23	Freezing Rain Storm	Below 15°	1	250	1	250	18.75
24	Sleet Storm	Above 32°	1	125	2	125	21.875
25	Sleet Storm	28 to 32°	1	325	2	325	16.875
26	Sleet Storm	15 to 28°	1	400	2	400	15
27	Sleet Storm	Below 15°	2	400	2	400	15

Figure 8.4 Weather event guideline.

The table can be briefly described with the help of a few observations. The first column represents the unique index code used to represent the 27 different scenarios. The pavement temperature range under each weather event has been broken down into 4/5 categories. Both Initial operation and Subsequent operation columns indicate whether maintenance is required or not for a given weather condition. In the "Maintenance Required" column, a "0" indicates No maintenance is required, a "1" indicates application of Liquid or Prewetted Salt is required and a 2 indicates Plowing is required." Both Initial and Subsequent operations contain dedicated definitions of salt spread rate. The salt spread rate indicates the spread rate of prewetted salt in lbs. per lane mile and not liquid. Finally, the last

column indicates the average speed at which the trucks are expected to service their designated snow routes. Overall average speed of the truck on a service mile is considered to be 25 mph and they are assumed to be linearly varying with respect to the spread rate, i.e., as the salt spread rate increases the average speed with which the truck can carry out the corresponding service decreases.

Also, a few other observations made from the structure of the data include the following:

- The initial operations in case of a "light snowstorm" event is same as the "light snowstorm with periods of moderate or heavy snow" event. However, the subsequent operation specifications marginally vary for temperatures above 15°F.

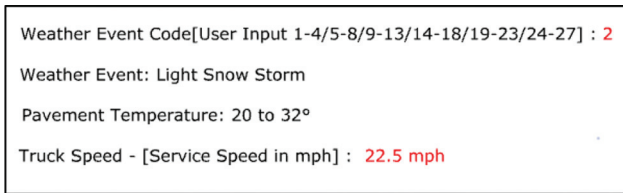


Figure 8.5 User input—weather event and speed.

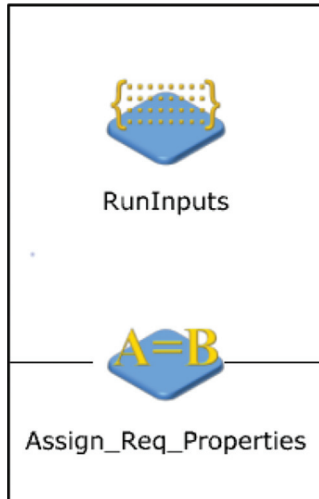


Figure 8.6 Automated data import.

- There do not seem to be a difference in specifications between response for a frost or black ice event and freezing rainstorm event for both initial and subsequent operations.

In the simulation model, the 27 different scenarios have been represented using unique indexes. Before any simulation run, the user can select a code from 1 to 27 as shown in Figure 8.5 to represent a particular weather event and select the speed with which the trucks are expected to cover the snow routes.

As shown in Figure 8.6, a “RunInputs” module is used to import the weather event data into the simulation dynamically based on the selected weather event and the associated specifications are assigned as parameters to in-simulation variables using a “Assign_Req_Properties” module. Refer the Simulation Model–Code section in Appendix D for the snippet of the code used to assign these specifications.

8.6 Resource Allocation

An “Allocate Resource” module is used to allocate trucks as shown in Figure 8.7. The two resource banks, “SaltTruck” and “PlowTruck” represent the total available truck capacity of each type at the base unit. Once the service requests are generated and appropriate specifications are assigned when the entity reaches this stage, based on the type of maintenance required, a truck of the corresponding type is allocated to the request. Following the allocation, the total capacity available is updated dynamically.

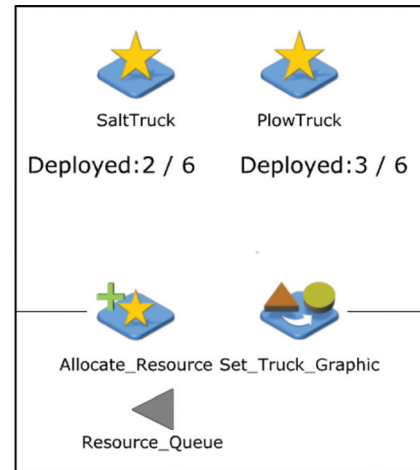


Figure 8.7 Resource allocation and queue.

The “Resource-Queue” module is used to hold the service requests that have been generated and have not been allocated with a truck, either due to a truck of certain type is not available or due to its classification. After exploring the impact of a first come first served (FCFS) rule for service requests received by the base unit and the impact of non-preemptive priority (PR) (Iyer, 2002), the queue has been designed to rearrange the service requests dynamically based on their classification such that Class I requests are prioritized over a Class II or Class III type request for allocation of truck. On various methods to prioritize during simulation, resources were allocated based on predetermined priority and severity of snow fall.

8.7 Snow Routes–Crane Unit

The roads controlled by the base unit of Crane, Vincennes have been covered under 10 different snow routes. Each snow route starts and ends at the base unit. Each route has a service section and a deadhead section. The deadhead section is often present due to the trucks of certain routes having to retrace certain parts which belongs to another snow route.

These routes have been assigned different colors and represented in a map in the simulation model as a graphical object in the background. The trucks will trace a series of connected conveyors that were overlaid on these routes manually as shown in Figure 8.8. The blue droplets represent the end of each route and the orange circle at the center represent the base unit. Once the service requests are assigned with the appropriate type of truck, they reach the base unit and start tracing their designated route at the coded speed. Once the route is fully covered, the truck reaches the base unit and moves to the resource de-allocation point when the resource is relieved of service and made available to execute another service request. The deployment tracker as shown in Figure 8.7 is updated to reflect the available resource.

8.8 Subsequent Operation–Feedback

As described earlier, the snow treatment operations are divided into initial operation and subsequent operation. While few weather events will require both

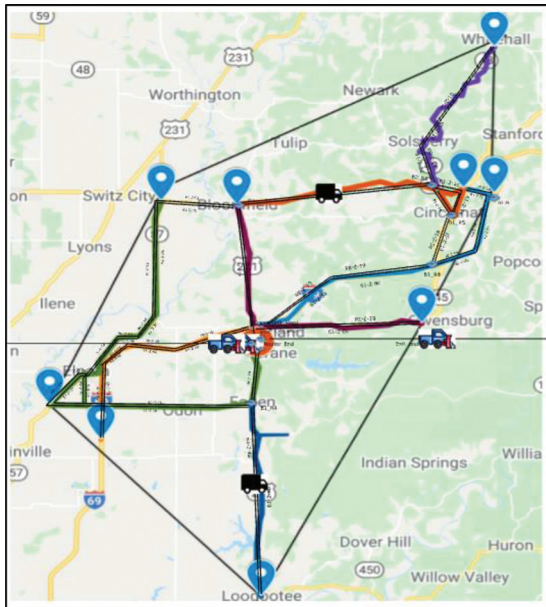


Figure 8.8 Snow routes.

the operations to be carried out, few do not. However, in the simulation model, while the weather event specific information is imported, details on initial and subsequent operations are also imported and assigned to internal parameters. This allows for the simulation to understand the existence of any subsequent operation and respond appropriately. As shown in Figure 8.9, a feedback loop enables the service request to be fed back into the queue after changing the required parameters from initial to subsequent operation specific. As a period of at least 1–2 hours is required between initial and subsequent operations, these subsequent operation requests are reassigned with lower priorities and pushed back in the queue.

8.9 Data Collection

Based on the demands of the service request generated, it is marked complete either after the initial operation or following the subsequent operation. At various stages throughout the simulation, the objects were assigned with “StateAssignments.” Few statistical elements, as shown in Figure 8.10 were used as part of the simulation model to dynamically collect data and calculate lead times. Four different variables were measured through these state assignments over a period of 72-hour window and averaged separately for each

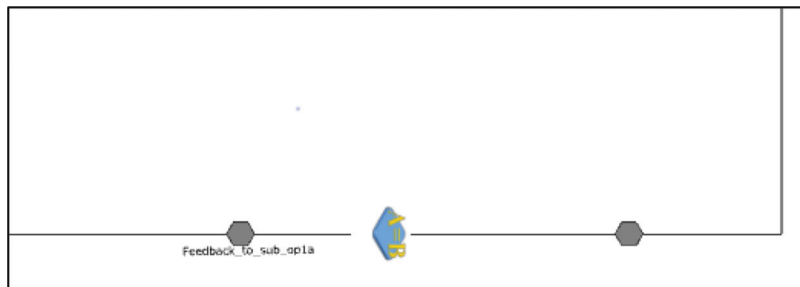


Figure 8.9 Feedback for subsequent operation.

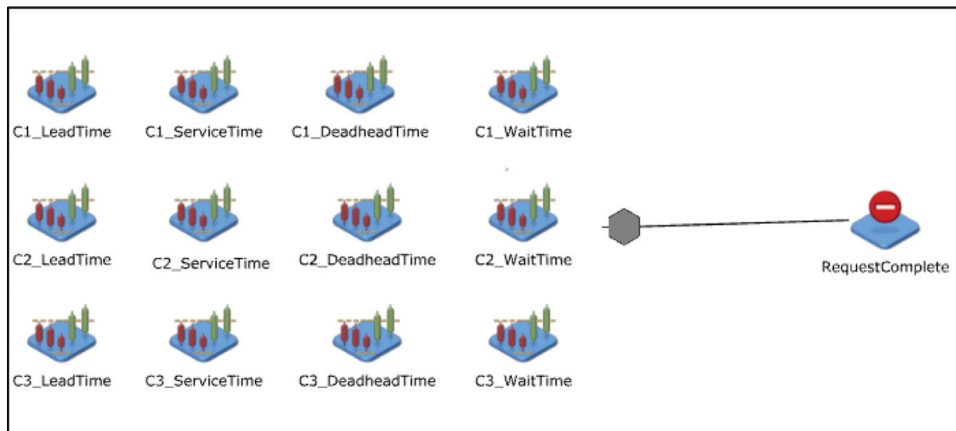


Figure 8.10 Data collection.

classification. The four variables can be briefly described as follows:

- **Overall Lead Time:** Total time taken from when a given service request is generated to until when the request finally sinks and is marked complete.
- **Lead Time on Service Miles:** Total time spent by the resource on service miles while carrying out the generated service request.
- **Lead Time on Deadhead Miles:** Total time spent by the resource on deadhead miles on the service route while carrying out the generated service request.
- **Waiting Time:** Time taken for a resource to get allocated to the generated service request + time taken for a resource to get allocated the second time if there exists a subsequent operation within that request.

8.10 Data Analysis, Visualization, Insights, and Recommendations

The collected data was then visualized using a spreadsheet to further draw insights on the operational aspects, a copy of which is embedded in the Data Tables section of Appendix D. The following snippet, Figure 8.11, from the spreadsheet shows the cumulative results of simulation runs, where the model was simulated for 72-hour cycles for each weather event/ scenario with the other basic settings and parameters retained as described in the sections above.

Overall, the simulation results help in understanding the mean time taken to service a snow route of a particular classification and differentiate between the proportion of lead time spent on actual service miles, deadhead miles and the time spent on waiting for a resource to get allocated. The following sections also enables us to understand the nature of insights that can be derived from such simulation models and further analyze the impact of addition or reduction of resources.

Further analysis of the data aids in drawing important insights, mentioned in subsequent sections.

8.10.1 Comparison of Classifications

- From Table 8.1, it is evident that, while there is not a lot of difference between Classifications I and II, the overall Lead time increases from Class I through to Class III and this aligns with our intuition and validates the classifications in a broad sense.
- With the overall lead time being significantly higher for Class 3 and the average service time being lower than the other two classes implies that with the current classification, since the average truck speed is maintained common across classes, Class 3 routes are shorter.

TABLE 8.1 Timings Across Weather Events

Lead Time	Minimum [h]	Average [h]	Maximum [h]
Class 1	5.22	6.87	9.45
Class 2	5.17	6.86	10.00
Class 3	5.19	8.23	22.99
Service Time	Minimum [h]	Average [h]	Maximum [h]
Class 1	1.72	3.28	4.97
Class 2	1.78	3.35	5.11
Class 3	1.40	2.85	6.74
Deadhead Time	Minimum [h]	Average [h]	Maximum [h]
Class 1	0.25	0.46	0.71
Class 2	0.15	0.28	0.42
Class 3	0.54	1.10	2.44
Wait Time	Minimum [h]	Average [h]	Maximum [h]
Class 1	2.83	3.13	3.80
Class 2	2.83	3.23	4.47
Class 3	2.83	4.28	13.81

Index	# Weather Event	Pavement Temperature Range and Trend	IO Maintenance Required?	IO Salt Spread Rate (lb./LM)	SO Maintenance Required?	SO Salt Spread Rate (lb./LM)	Average Speed	C1 Lead Time Avg [h]	C1 Lead Time SD [h]	C1 Service Time Avg [h]	C1 Service Time SD [h]	C1 Deadhead time Avg [h]	C1 Deadhead time SD [h]	C1 Wait Time Avg [h]	C1 Wait Time SD [h]	C2 Lead Time Avg [h]
2	Light Snowstorm	20 to 32°	1	100	2	100	22.5	6.88	0.05	3.55	0.38	0.50	0.43	2.83	0.00	6.76
3	Light Snowstorm	15 to 20°	1	200	2	200	20	7.28	0.06	3.91	0.41	0.54	0.47	2.83	0.00	7.15
4	Light Snowstorm	Below 15°	2	250	2	250	18.75	8.25	0.40	4.11	0.43	0.59	0.50	3.55	0.39	8.66
6	Light Snowstorm with Periods of Moderate or Heavy Snow	25 to 32°	1	100	2	200	21.25	7.07	0.06	3.72	0.39	0.52	0.45	2.83	0.00	6.94
7	Light Snowstorm with Periods of Moderate or Heavy Snow	15 to 25°	1	200	2	250	19.375	7.40	0.06	4.00	0.42	0.57	0.48	2.83	0.00	7.26
8	Light Snowstorm with Periods of Moderate or Heavy Snow	Below 15°	2	250	2	250	18.75	8.25	0.40	4.11	0.43	0.59	0.50	3.55	0.39	8.66
10	Moderate or Heavy Snowstorm	30 to 32°	1	100	2	100	22.5	6.88	0.05	3.55	0.38	0.50	0.43	2.83	0.00	6.76
11	Moderate or Heavy Snowstorm	25 to 30°	1	200	2	200	20	7.28	0.06	3.91	0.41	0.54	0.47	2.83	0.00	7.15
12	Moderate or Heavy Snowstorm	15 to 25°	1	200	2	250	19.375	7.40	0.06	4.00	0.42	0.57	0.48	2.83	0.00	7.26
13	Moderate or Heavy Snowstorm	Below 15°	2	250	2	250	18.75	8.25	0.40	4.11	0.43	0.59	0.50	3.55	0.39	8.66
15	Frost or Black Ice	28 to 32°	1	65	1	65	23.375	5.22	0.03	1.72	0.18	0.25	0.21	3.25	0.00	5.17
16	Frost or Black Ice	20 to 28°	1	130	1	130	21.75	5.33	0.03	1.83	0.19	0.25	0.22	3.25	0.00	5.28
17	Frost or Black Ice	15 to 20°	1	200	1	200	20	5.48	0.03	1.95	0.21	0.27	0.24	3.25	0.00	5.41
18	Frost or Black Ice	Below 15°	1	250	1	250	18.75	5.60	0.03	2.06	0.22	0.29	0.25	3.25	0.00	5.52
20	Freezing Rainstorm	28 to 32°	1	65	1	65	23.375	5.22	0.03	1.72	0.18	0.25	0.21	3.25	0.00	5.17
21	Freezing Rainstorm	20 to 28°	1	130	1	130	21.75	5.33	0.03	1.83	0.19	0.25	0.22	3.25	0.00	5.28
22	Freezing Rainstorm	15 to 20°	1	200	1	200	20	5.48	0.03	1.95	0.21	0.27	0.24	3.25	0.00	5.41
23	Freezing Rainstorm	Below 15°	1	250	1	250	18.75	5.60	0.03	2.06	0.22	0.29	0.25	3.25	0.00	5.52
24	Sleet Storm	Above 32°	1	125	2	125	21.875	6.97	0.05	3.64	0.38	0.51	0.44	2.83	0.00	6.85
25	Sleet Storm	28 to 32°	1	325	2	325	16.875	7.96	0.07	4.48	0.47	0.64	0.54	2.83	0.00	7.78
26	Sleet Storm	15 to 28°	1	400	2	400	15	8.49	0.08	4.95	0.52	0.71	0.60	2.83	0.00	8.31
27	Sleet Storm	Below 15°	2	400	2	400	15	9.45	0.76	4.97	0.52	0.68	0.60	3.80	0.78	10.00
Average:								6.87	0.13	3.28	0.35	0.46	0.40	3.13	0.09	6.86
Min:								5.22	0.03	1.72	0.18	0.25	0.21	2.83	0.00	5.17
Max:								9.45	0.76	4.97	0.52	0.71	0.60	3.80	0.78	10.00

Figure 8.11 Data analysis–spreadsheet snippet.

The box plot in Figure 8.12 shows the range of service time for each class and it can be seen that service time for Class III snow routes is comparatively lower.

- While Class-I and Class-II timings vary less, Class-III seem to have a high variation. Further examination of the data shows that all the outliers in Class III belong to the below 15°F category. This implies that at extremely low temperature, irrespective of the weather event, servicing of Class-III routes takes a significantly longer time than usual. The box plots shown in Figure 8.13 help in visualizing this difference.

8.10.2 Comparison of Weather Events

From the plots in Figure 8.14, Figure 8.15, Figure 8.16, and Figure 8.17 the lead time, time spent on

service miles, time spent on deadhead miles, and time spent waiting for a resource to get allocated are all averaged over all the scenarios and compared across classifications. These plots show that all the routes follow a similar trend. Weather conditions, “light snowstorm,” “light snowstorm with periods of moderate or heavy snow,” and “moderate or heavy snowstorm” are not significantly different from each other. This can be attributed to their salt spread rates being only marginally different from each other. Similarly, “freezing rainstorm” and “frost or black ice” conditions have similar specifications. This is as expected as this can be attributed to their salt spread rates being similar to each other’s.

The plots can be used to draw various other comparisons between the classifications. The average waiting

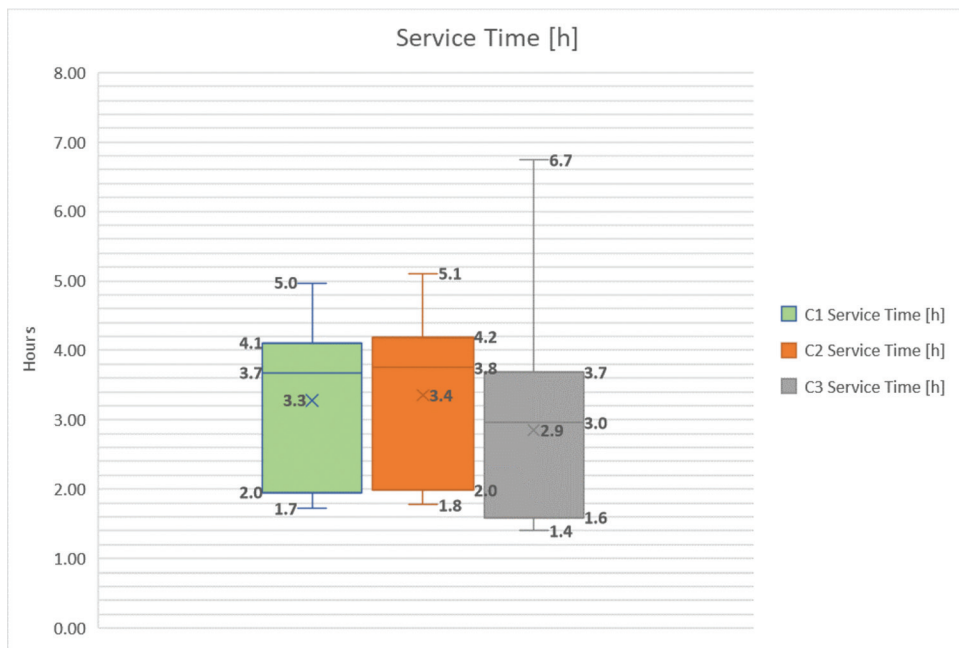


Figure 8.12 Service time box plot.

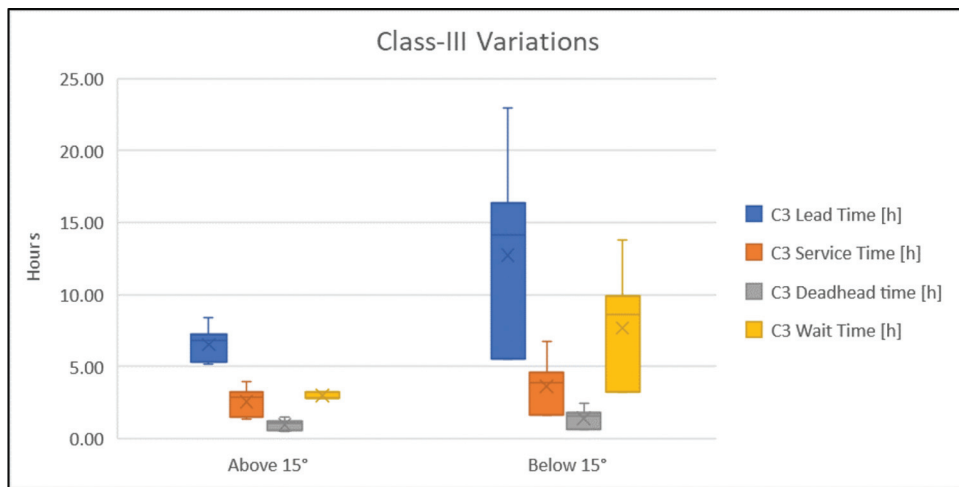


Figure 8.13 Class-III variations.

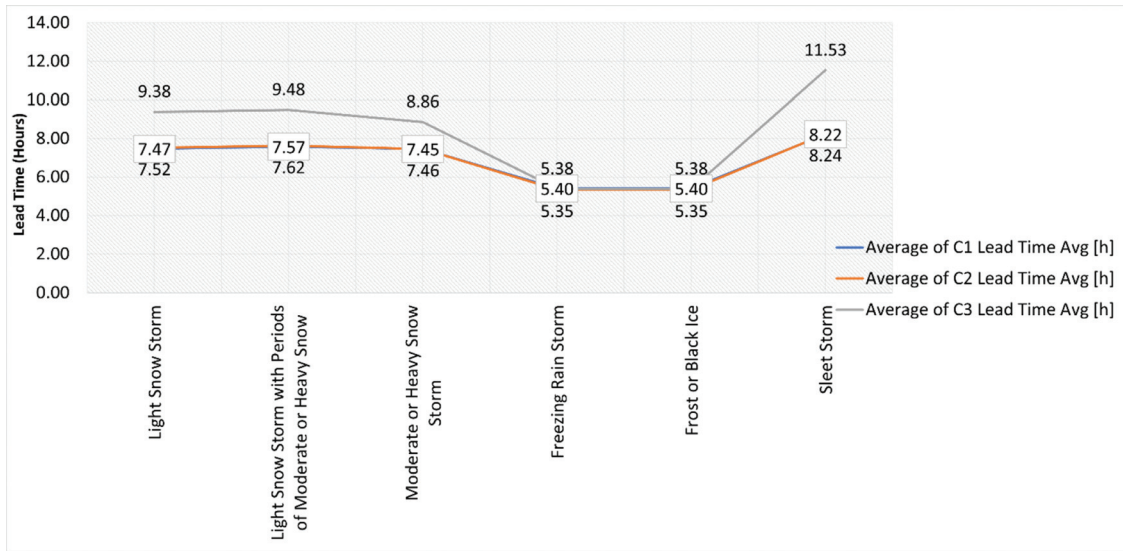


Figure 8.14 Lead time comparison across classifications.

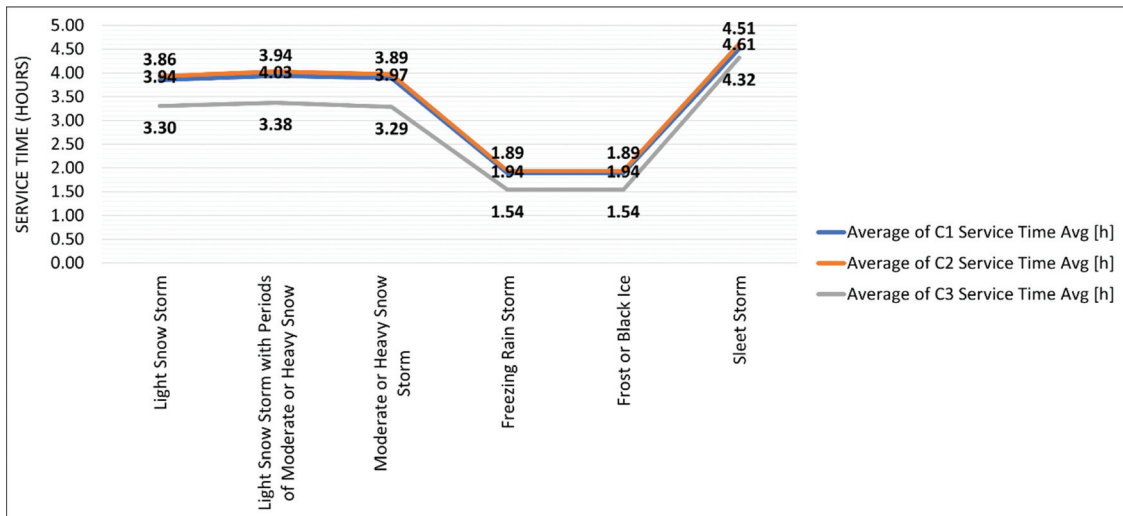


Figure 8.15 Service time comparison across classifications.

time of Class III routes across all the weather events are either on par or significantly higher than the other two types of routes as shown in Figure 8.14.

8.10.3 Route Optimization Opportunities—Analysis and Recommendations

Understanding the winter operations with respect to snow treatment in depth enabled exploring the opportunity of sharing resources with the neighboring units in order to improve efficiency by reducing deadhead miles travelled by the trucks and effectively reducing overall lead time for carrying out a service request.

Table 8.2 shows all the other closest INDOT units around Crane unit categorized by direction and distance and also, shows the corresponding snow route that belongs to Crane that is closest to the identified neighbors to potentially analyze the possibility of sharing resources.

Further, the snow routes of Crane unit were individually analyzed. Considering an average truck capacity of 10 tons and with the worst-case salt spread rate (400 lbs. per lane mile), the trucks are expected to be able to service 55 miles with one full load. At present, the total distance of all the snow routes is under 55 miles as shown in Table 8.3. Hence, the scenario of having to refill salt/brine in the middle of execution of a service request was not explored further. However, the opportunity to optimize the existing routes was further explored.

Data in Table 8.3 includes details like “Total Route Length,” “Total Service Miles,” and “Total Deadhead Miles” for all the routes that are maintained by Crane unit. The closest neighbor of each snow route was identified and the corresponding distance from the closest end of the snow route to the identified neighbor was calculated. It was observed that three routes, 61-2-1, 61-2-3, and 61-2-10 can be potentially optimized.

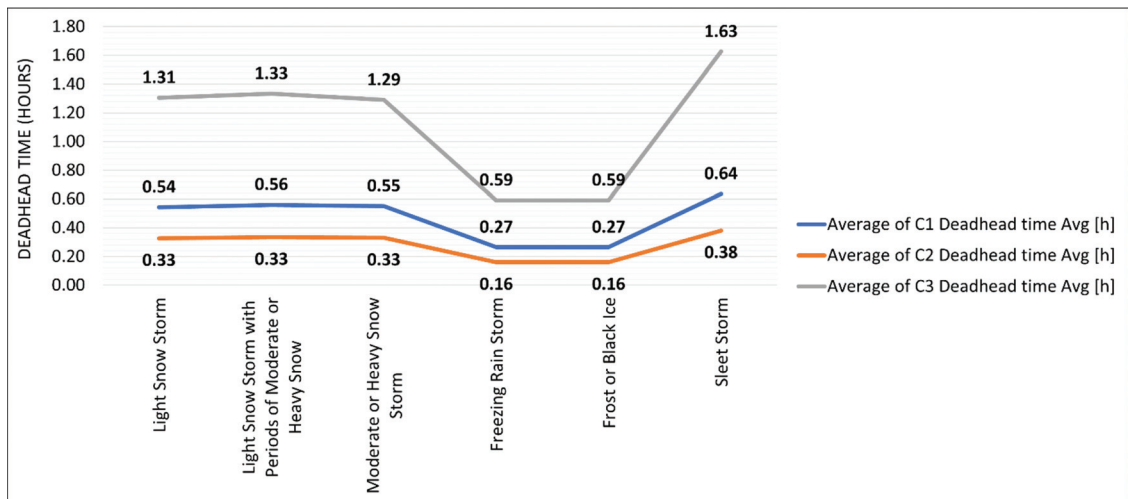


Figure 8.16 Deadhead time comparison across classifications.

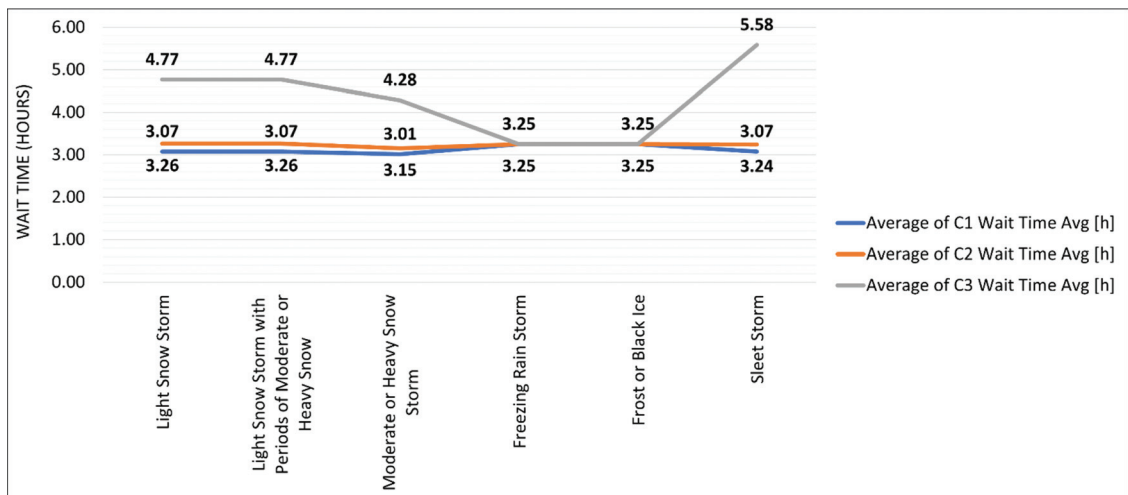


Figure 8.17 Wait time comparison across classifications.

TABLE 8.2
Crane Unit Neighbors and Associated Snow Routes

S. No	Direction	Unit/Depot	District	Distance from Crane Depot (mi)	Closest Snow Route (Crane's)	Distance from Closest End of Snow Route (mi)
1a	North	Bloomfield	Vincennes	8.5	61-2-1	0
1b	North	Bloomfield	Vincennes	8.5	61-2-2	0
1c	North	Bloomfield	Vincennes	8.5	61-2-3	0
2a	Northeast	Bloomington	Seymour	35.5	61-2-5	12.9
2b	Northeast	Bloomington	Seymour	35.5	61-2-8	17.3
3	East	Bedford	Vincennes	26.1	61-2-2	17.2
4	South	Loogootee	Vincennes	18.2	61-2-4	1.6
5a	Southwest	Washington	Vincennes	29.9	61-2-6	16.3
5b	Southwest	Washington	Vincennes	30.8	61-2-3	15.2
6	Northwest	Linton	Vincennes	21.3	61-2-3	8.2

As shown in Table 8.3 and Figure 8.18, all the three identified routes pass through Bloomfield. At present, the trucks are stationed at Crane unit. Once they are loaded and are ready to be allocated for service, they

are deployed from Crane unit. The trucks then follow the pre-determined route and carry out service. Upon completing, the trucks retrace the route to reach Crane unit. In the route shown in Figure 8.18, the distance/

TABLE 8.3
Crane Unit Snow Routes—Associated Neighbors

Closest Snow Route (Crane's)	Total Route Length from Crane—One Way (mi)	Service Miles One Way (mi)	Deadhead Miles One Way (mi)	Can be Serviced?	Closest Neighbor	Distance from Closest End Route (mi)	Projected Reduction in Deadhead (two way) (mi)
61-2-1	21.75	17.5	4.25	35	Bloomfield	0	8.5
61-2-2	18.16	17.8	0.36	35.6	Bloomfield	0	0
61-2-3	24.9	18.4	6.5	36.8	Bloomfield	0	8.5
61-2-4	18.4	14.2	4.2	28.4	Loogootee	1.6	-3.2
61-2-5	21	12.5	8.5	25	Bloomington	12.9	-25.8
61-2-6	15.2	13.95	1.25	27.9	Washington	16.3	-32.6
61-2-7	14.34	12.97	1.37	25.94	Washington	15	-30
61-2-8	21.8	20.55	1.25	41.1	Bloomington	17.3	-34.6
61-2-9	18.2	16.85	1.35	33.7	Bloomington	17.3	-34.6
61-2-10	24.9	18.4	6.5	36.8	Bloomfield	0	8.5

Note:

Red text indicates routes that can be potentially optimized further.

Bold text indicates that these route lengths are within truck's single trip service capability.

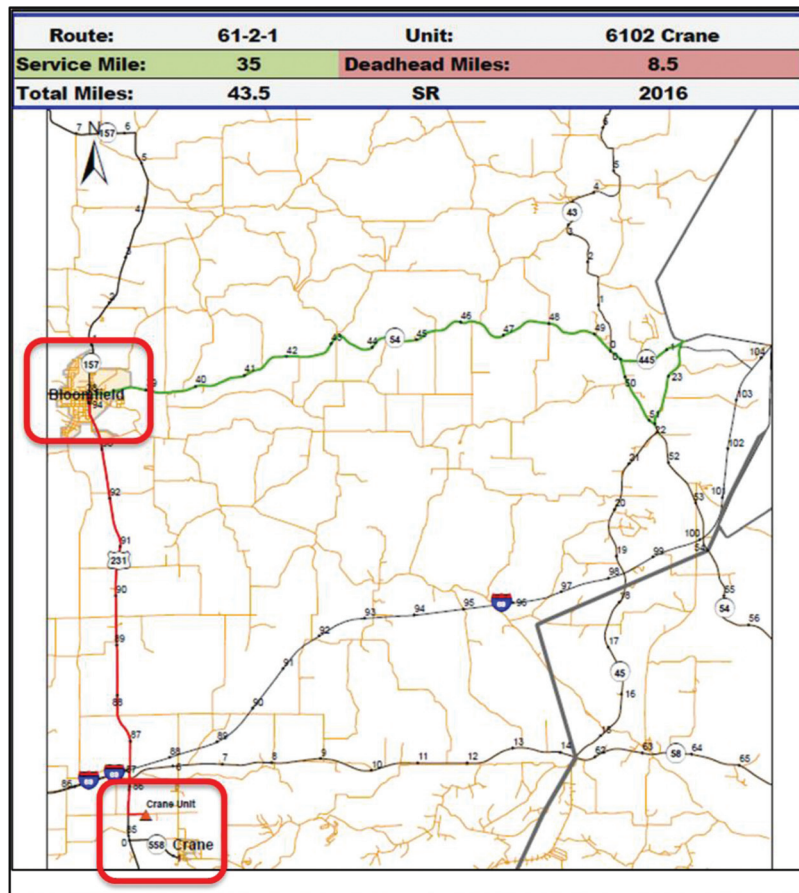


Figure 8.18 Route optimization.

road connecting Crane unit and Bloomfield is covered by Route 61-2-2. The red section represents the deadhead of Route 61-2-1 and this is the case because this section is already covered by 61-2-2. In all the three identified routes, the trucks pass through 61-2-2 and

Bloomfield twice to service their designated routes and return to Crane unit.

The total deadhead for each of these routes is calculated to be 8.5 miles (the distance between the units). Hence, one of the straightforward solutions to optimize

this route could be by operating the trucks from Bloomfield, i.e., say the trucks are still owned, stationed, and maintained by Crane unit and during the start of the day the trucks start with a full load from Crane unit. However, after completing the first round of treatment/clearance, making the trucks reload at Bloomfield instead of returning to Crane unit for a reload and continuing to do that until all the service requests for that route has been carried out or the end of day, whichever happens first, will help improve the efficiency of operation significantly. Efficiency benefits include the following:

- The trucks can avoid a fair share of time spent on the deadhead miles.
- Implicit benefits include efficient use of fuel by one, avoiding having to travel through the deadhead regions and two, avoid having to run fully loaded trucks at least one way through the deadhead region.
- Improves availability of trucks and drivers for other routes and salt loading resources for other trucks.

- Improves maintenance intervals for trucks servicing these routes.

In order to quantify the savings from this modification, average time taken to services these routes across 27 scenarios was calculated. Figure 8.19 shows the estimations of time taken to service the current routes at average speed of 25 mph.

After modification of the route and making the trucks operate from Bloomfield to service these three routes, about 20% of effort is saved on Route 61-2-1 and about 26% of effort is saved on Routes 61-2-3 and 61-2-10 each. These savings are highlighted in Figure 8.20 with red braces.

Apart from the above-discussed three routes, Route 61-2-5 inspired a special case analysis. Route 61-2-5 packs a 12.5 miles service line one way and 8.5 miles of deadhead. The closest neighbors of this route are Bloomington which is about 9 miles away from the far end of the route and Bloomfield which is about

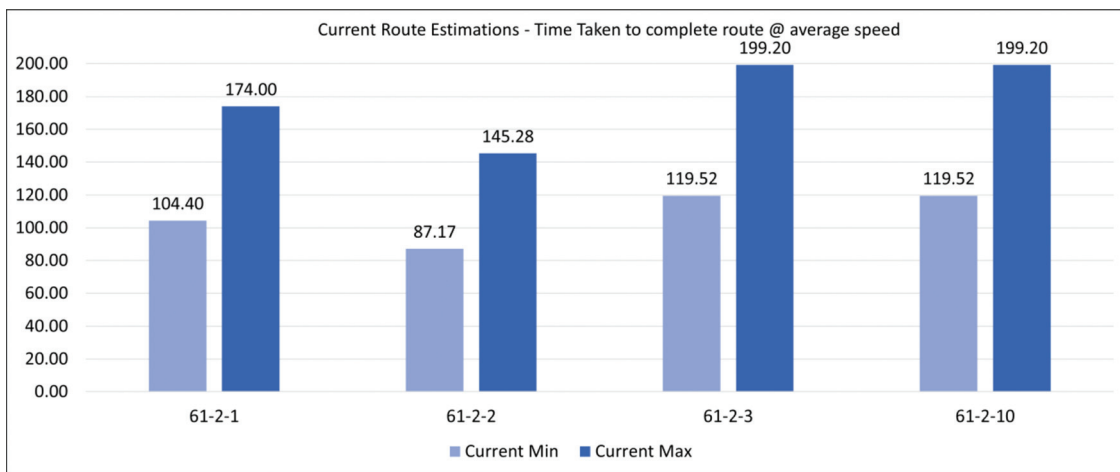


Figure 8.19 Estimated timing (minutes)–current route.

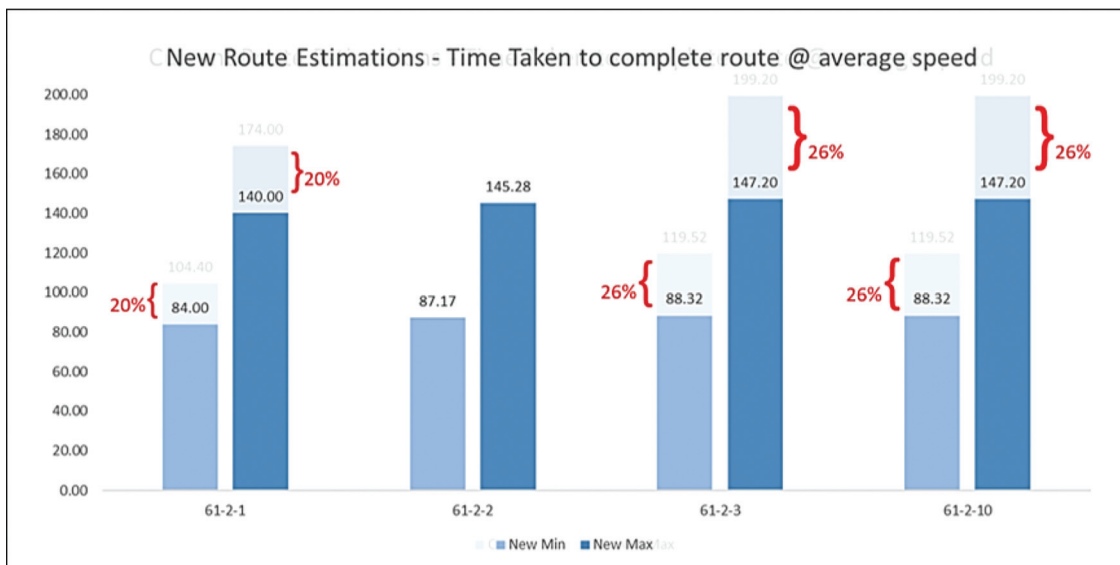


Figure 8.20 Estimated timing (minutes)–optimized route.

11.8 miles away from the end of deadhead region of Route 61-2-5.

Figure 8.21 shows the different regions of Route 61-2-5. The first box represents the base unit, Crane. The second/middle box represents the end of deadhead part of the route and start of the service mile. The

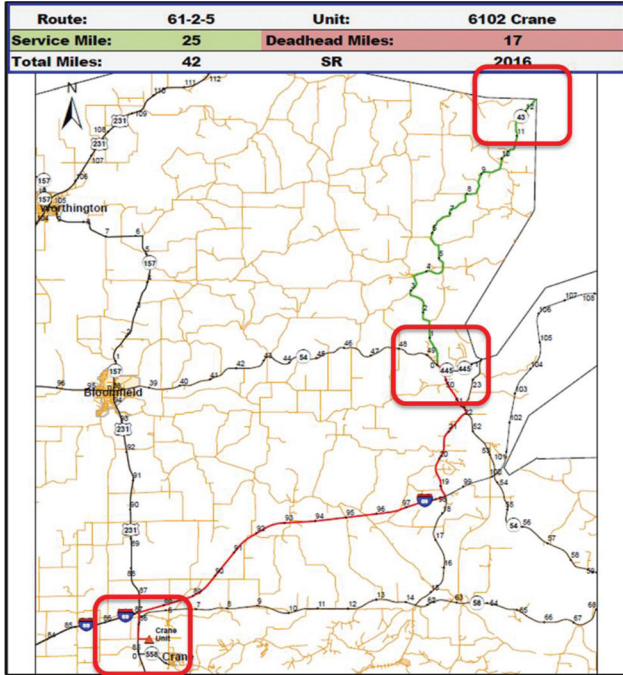


Figure 8.21 Route 61-2-5.

deadhead region is highlighted in red. The third box marks the end of the service mile and route. The service region is highlighted in green. In order to understand the proximity of the neighbors pertaining to this route refer to Figure 8.22.

After examining the opportunity of sharing resources with the neighbors in this route, two possible scenarios were identified to best suit the need and improve efficiency the most. Figure 8.22 shows how the route is connected to the identified neighbors.

Where,

- Point A–Crane INDOT Base Unit.
- Point B–Route 5 Deadhead End.
- Point C–Route 5 Service End.
- Point D–Bloomington INDOT Base Unit.
- Bloomfield (Blue Droplet)–Bloomfield Base Unit.

Case 1: Combine Route 61-2-5 with Bloomington’s Snow Route connecting Route 61-2-5 along the C-D route (9 mile). This presents a unique opportunity of eliminating the deadhead miles of Route 61-2-5 altogether provided at least one of the snow routes maintained by Bloomington is connected to the end of this route at point C as shown. If this modification is feasible then the total service mile will be 21.5 miles with no deadhead miles on Route 61-2-5 and no additional deadhead miles on the connecting route.

Case 2: If Route 61-2-1 is modified as proposed in the above sections, then combining Route 61-2-5 with modified Route 61-2-1 from Bloomfield will effectively modify this route to eliminate the deadheads. The

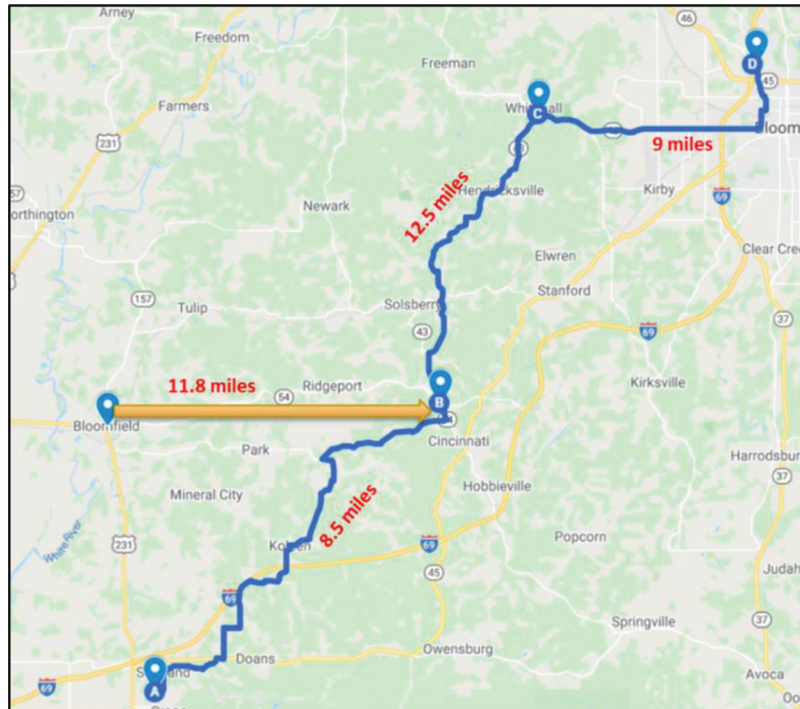


Figure 8.22 Route 61-2-5 and neighbors.

connecting route, i.e., Route 61-2-1 would be 11.8-miles long. However, this entirely is the service section of Route 61-2-1. If the service mile (B-C) of Route 61-2-5 is combined with this as an extension, then there still would be no additional deadheads on the modified route provided the trucks operate from Bloomfield. This modification from the point of view of efforts saved on servicing Route 61-2-5 can be quantified as follows. The total deadhead miles saved on Route 61-2-5 would be $8.5 \times 2 = 17$ miles per trip. This would yield a saving of about 41 minutes per trip when the truck operates at average speed of 25 mph. The maximum effort saved would be when the salt spread rate is 400 lbs. per lane mile when the truck is expected move at its slowest speed. This would be 68 minutes per trip if the truck is assumed to be operating at 15 mph.

While the above discussed scenarios and analysis are unique to the unit considered due to the unique nature of routes, their interdependencies and location of neighbors, the approaches discussed, and opportunities explored can be potentially applied across districts to other units.

8.11 Implementation Plan

The simulation model as described above is designed with a few customization features which can be used to analyze hypothetical scenarios and draw meaningful insights before actual implementation. The comprehensions discussed in Section 8.10.1 and Section 8.10.2, led by data analysis, identifies areas to focus on to make modifications in terms of resources, etc., towards improvement in operational efficiency. Furthermore, Section 8.10.3 exhibits opportunities specific to Crane unit where it was identified that exploring the scenario of having to refill salt/brine in the middle of execution of a service request is not beneficial at the moment. Routes 61-2-1, 61-2-3, and 61-2-10 can be optimized by operating the trucks from Bloomfield where after the first trip, the trucks reload at Bloomfield instead of returning to Crane unit for a reload and continue to do that until all the service requests for that route has been carried out. Also, for Route 61-2-5, as shown in Figure 8.22, the route should be either combined with Bloomington's snow route connecting Route 61-2-5 along the C-D route (9 mile) or if Route 61-2-1 is modified as proposed, then combining Route 61-2-5 with modified Route 61-2-1 from Bloomfield will effectively eliminate the deadhead miles on this route. This analysis also asserts the existence of opportunities to further optimize routes and such analysis can be planned across the state at a county level.

9. ROAD SALT COST AND SUPPLIER ANALYSIS

Salt is the most important material used in winter operations and is also the most expensive purchase for the state. The state awards contracts for purchasing to many suppliers. Given the high cost and large quantities required, an analysis of the contracts

awarded was conducted to identify areas of potential savings. The analysis was performed for all the contracts awarded for financial year (FY) periods, FY 2017–2018, FY 2018–2019, FY 2019–2020, and FY 2020–2021 (IN.gov, n.d.a).

9.1 Cost Analysis

The contracts that were awarded for four winter seasons were analyzed and tabulated on a graph to show the increase in the purchase cost. It is represented in Figure 9.1.

The graph shows the total award amount for the four periods. There is a 35% year on year (YoY) increase in the amount awarded for the three periods from 2017–2019, and an 18% drop from the FY 2019–2020 to FY 2020–2021 contracts. The drop can be attributed to lower quantities of salt requested for FY 2020–2021 and lower average prices compared to the previous period. The chart for the changes in average prices and quantities requested is presented in Figure 9.10 and Figure 9.11. Salt is one of the most expensive commodities in the winter operations budget as it is evident from the graph.

9.1.1 Treated Salt

The treated salt prices for FY 2019–2020 across three entities that are involved in the state and district-level for purchasing are shown in Figure 9.2. These entities are INDOT seasonal, local entities, and other state agencies. There is another agency, INDOT Early Fill, that is also involved in purchasing but they are not involved in the contracts for this period. These four agencies are responsible for purchase of both treated and untreated salt in the quantities needed for snow removal across districts in Indiana. They also involve local cities and towns who purchase as and when salt is required.

The prices in the Figure 9.2 are for the six districts in Indiana and they vary as per their contracts. As it is evident from the table, the “pickup” prices are higher than the “delivered” prices. This seemed consistent throughout our analysis where Cargill Inc. provided the salt. “Delivered and loaded” prices are \$10/ton more than “delivered” prices. All the prices for FY 2019–2020 in treated salt category comes from Cargill Inc. They were the sole provider for treated salt in that period. The most expensive price awarded was \$114.21/ton and the lowest price awarded was \$91.23/ton. The highest to lowest prices is represented from red to green in Figure 9.2.

Cargill Inc. was also the sole provider of salt in other periods, FY 2020–2021 and FY 2018–2019. For FY 2017–2018, there were other providers, Morton Salt and Detroit Salt Company, but they only provided marginally. As per the contracts and the analysis, Cargill has been the sole supplier for this category of salt for several years. Striking a contract for standard prices for the different entities procuring treated salt can lead to significant savings in this area. The amount of savings can vary from year to year and across the

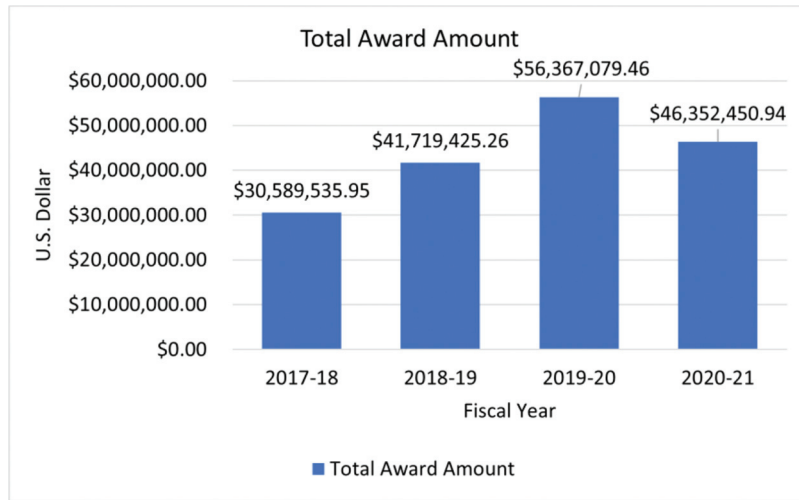


Figure 9.1 Total amount awarded for purchasing salt in four winter seasons.

Year: 2019-2020	Price per Ton (\$/Ton)								
Salt: Treated	INDOT Seasonal			Local Entity		Other State Agencies			
District	Delivered	Delivered & Loaded	Pickup	Delivered	Pickup	Delivered	Pickup	Delivered	Pickup
Crawfordsville - 10	94.62	104.62	95	92.7	94	94.62	95	94.62	95
Fort Wayne - 20				98.61	99				
Greenfield - 30	96.82	106.82	97	96.33	97	96.82	97	96.82	97
LaPorte - 40				91.23	93				
Seymour - 50	98.59	108.59	99	93.65	97	98.59	99	98.59	99
Vincennes - 60	104.21	114.21	105	99.28	100	104.21	105	104.21	105

Figure 9.2 Comparison across districts for treated salt prices in FY 2019–2020.

Year	2019-2020	Price per Ton (\$/Ton)										
Salt Type	Untreated	INDOT Early Fill			INDOT Seasonal			Local Entity		Other State Agencies		
District	Vendor	Delivered	Delivered & Loaded	Pickup	Delivered	Delivered & Loaded	Pickup	Delivered	Pickup	Delivered	Delivered & Loaded	Pickup
Crawfordsville - 10	Compass Minerals America Inc	89.67	99.67	85	89.67	99.67	85	91.67	85	89.67	99.67	85
Fort Wayne - 20	Detroit Salt Company	85.32	91.32	85	85.32	91.32	85	86.45	85			
Greenfield - 30	Cargill Inc							95.48	97			
	Compass Minerals America Inc	89.4	99.4	85	89.4	99.4	85			89.4	99.4	85
LaPorte - 40	Morton Salt	77.31	83.31	77	77.27	83.27	77	77.27	77	77.27		77
Seymour - 50	Compass Minerals America Inc							84.99	80			
	Morton Salt				78.65	84.65	78			78.65		78
Vincennes - 60	Compass Minerals America Inc	81.05	91.05	78	81.05	91.05	78	81.09	78			

Figure 9.3 Comparison across districts for untreated salt prices in FY 2019–2020.

different entities purchasing. However, this is one area where savings can be realized.

9.1.2 Untreated Salt

The untreated salt prices for FY 2019–2020 across three entities that are involved in the state and district-level purchasing are shown in Figure 9.3. There are more suppliers for untreated salt than for treated salt. All six districts require this type of salt, and this makes up the bulk of the salt procurement every year. The most expensive price is \$99.67/ton and least expensive is \$77/ton. The price differences between delivered and pickup vary from 27 cents/ton to \$4.67/ton. Delivered and loaded prices differ between \$10/ton to \$6/ton

more, for different suppliers, than just delivered prices. The extra cost here is for loading the salt. In this category too, Cargill Inc’s pickup prices are higher than delivered prices by \$1.52/ton. The data for two recent periods (FY 2019–2020 and FY 2020–2021) allow a comparison for changes in the prices offered to all six districts and can help draw insights.

For the FY 2020–2021, the most expensive price offered was \$90.42/ton for Crawfordsville and the lowest price offered was \$70/ton for Fort Wayne and La Porte districts (see Figure 9.4). The most and least expensive prices have decreased by 9.28% and 9.09% from FY 2019–2020. The price differences between delivered and pickup vary from \$2/ton to \$11.78/ton. Delivered and loaded prices differ by \$10/ton to \$6/ton

more, for different suppliers, than just delivered prices. These were the same as last year, so we see no changes with loading the salt. However, Cargill Inc’s pickup prices are higher than delivered prices by \$12.81/ton in La Porte’s case.

The year-on-year changes for untreated salt that is delivered for the INDOT Seasonal purchasing entity is shown in Figure 9.5. These parameters, were chosen for comparison because they were seen across all six districts and in all the four winter periods, from 2017 to 2020. We see that the prices of salt increased every year from FY 2017–2018 to FY 2019–2020, and prices decreased across all districts for FY 2020–2021. Based on the analysis, prices decreased across all parameters: slat type, delivery method, and purchasing entity types (IN.gov, n.d.a).

9.2 Supplier Analysis

There are few major suppliers that have been providing all the districts of Indiana with salt for the past four winter seasons. These companies are Cargill Inc., Compass Minerals Inc., Detroit Salt Company, and Morton Salt. The entire budget of salt for the state is distributed across these four companies, with some companies holding a higher share than others. This share also changes from year-to-year as districts decide

to procure salt from other suppliers whose prices are more favorable. To become a supplier of salt for the state, a company needs to follow a certification process laid out by INDOT in order to receive a preferred supplier status. The procurement is decentralized, giving flexibility to districts as per their needs as the districts in the north have higher snowfall compared to districts in the south. This also allows districts to receive more reasonable prices.

Figure 9.6, which is similar to Figure 9.1, shows the year-on-year changes for salt supplied by the four suppliers mentioned previously. There is an increase in the prices every year from 2017 to 2019, but a decrease from 2019 to 2020. We have seen this decrease in all the figures above. This could be attributed to the low demand for salt in FY 2020–2021 and salt carried over from last winter.

The four winter seasons have different salt requirements. As can be seen in Figure 9.7, they are supplied by the four different suppliers, and it changes for every season. Of the past four years, including the current winter season FY 2020–2021, FY 2019–2020 had the highest requirement of salt. One of the suppliers, Morton Salt, did not participate in the supply for FY 2020–2021, as per the contracts awarded. This leads to an increase in market share of Cargill Inc., who supplied more salt to the state.

Year	2020-2021	Price per Ton (\$/Ton)						
Salt Type	Untreated	INDOT Seasonal			Local Entity		Other State Agencies	
District	Vendor	Delivered	Delivered & Loaded	Pickup	Delivered	Pickup	Delivered	Pickup
Crawfordsville - 10	Detroit Salt Company	84.42	90.42	82.42	86.29	84.29	84.42	82.42
Fort Wayne - 20	Compass Minerals America Inc	80.71	88.71	70	81.78	70		
Greenfield - 30	Cargill Inc	79.88	89.88	81	86.67	88	79.88	81
LaPorte - 40	Cargill Inc				72.19	85		
	Compass Minerals America Inc	73.91	81.91	70			73.91	70
Seymour - 50	Cargill Inc	79.86	89.86	81	79.28	80	79.86	81
Vincennes - 60	Compass Minerals America Inc	79.92	87.92	75	79.95	75	79.92	75

Figure 9.4 Comparison across districts for untreated salt prices in FY 2020–2021.

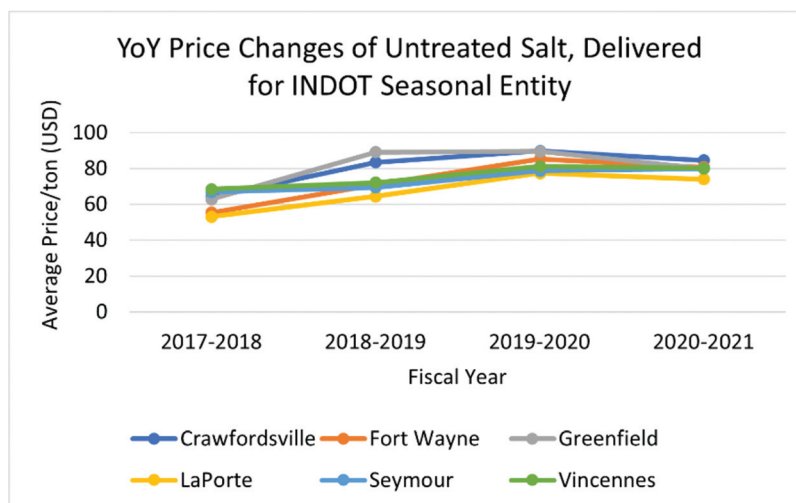


Figure 9.5 Year-on-year change in prices for INDOT seasonal in delivered and untreated salt.

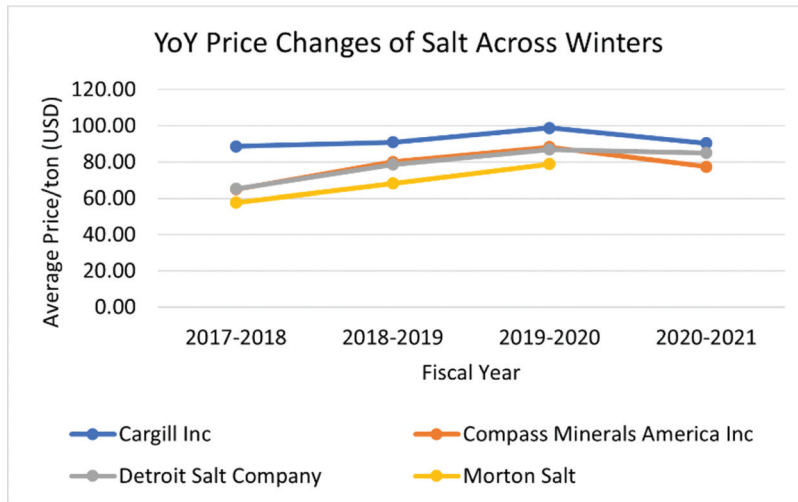


Figure 9.6 Changes in average price per ton of salt for four winter seasons.

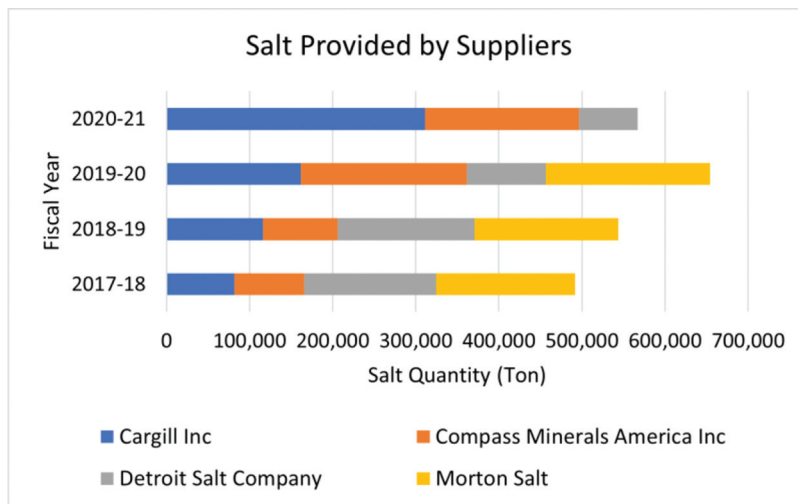


Figure 9.7 Breakup of the quantity of salt provided by different suppliers.

The share of the suppliers in terms of the quantity of salt provided is shown in Figure 9.8. The distribution was relatively the same for FY 2017–2018 and FY 2018–2019 with only minor changes. However, there were bigger changes in FY 2018–2019 and FY 2019–2020. Detroit Salt Company’s supply was down by 50% and Compass Minerals took up the bulk of the lost share. As a result, Compass Minerals became the largest supplier for FY 2019–2020. In the following winter season, more changes were observed. Morton Salt, who had been the largest supplier for two previous seasons, did not participate as a supplier for salt. This led to another change in the distribution of the market share for FY 2020–2021. Cargill Inc. seemed to have taken the entirety of Morton Salt’s market, increasing its share of total by around 30%. This made Cargill Inc. the largest supplier of salt by a significant margin. If Morton Salt does return for the subsequent seasons, some changes will be observed again. These changes cause variations in the negotiation power for both the

suppliers and buyers, as this can affect the prices quoted to the districts.

Figure 9.9 shows the market share in terms of the amount of the budget awarded to the suppliers over the years. From Figure 9.8 and 9.9, we see that, the share for the amount awarded and quantity supplied are relatively around the same for all the suppliers, except for Morton Salt. They have a lower share of the amount awarded than the quantity supplied, leading to infer that they have an overall cheaper quote than other suppliers. In contrast, Cargill Inc. has a higher amount awarded than the quantity it supplies, leading to infer that they have an overall higher quote and supply salt relatively more expensive than other suppliers. The amount awarded to Cargill Inc. in FY 2020–2021 was 55.79% of salt budget, which is \$46 million (IN.gov, n.d.a).

9.3 Salt Request by Different Entities

The amount of salt that was requested in the past winter seasons by the different entities participating in

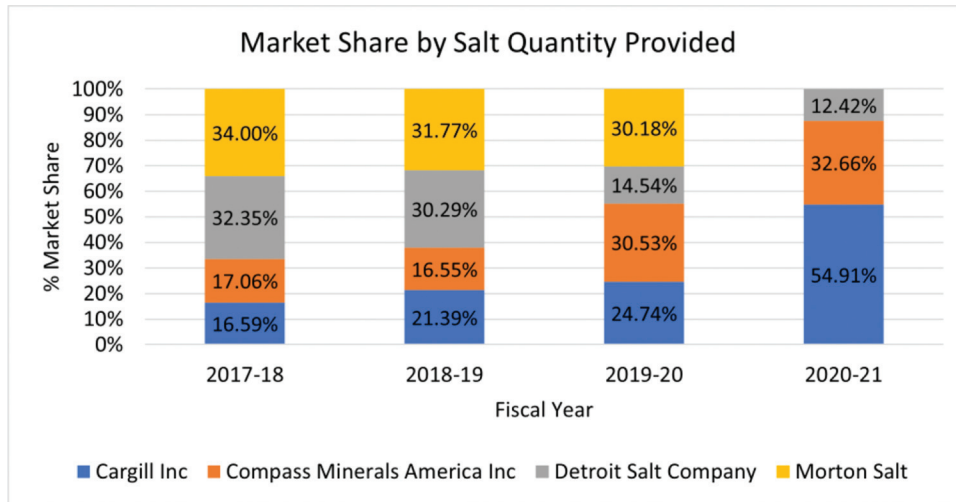


Figure 9.8 Market share for salt supplied every year.

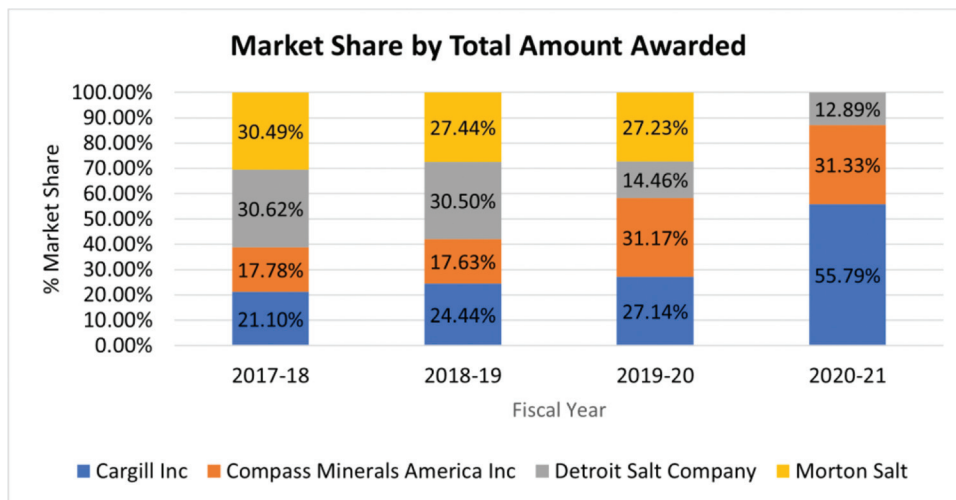


Figure 9.9 Salt budget shared by the suppliers.

procuring salt for the state is shown in Figure 9.10. These entities are INDOT Early Fill, INDOT Seasonal, Local Entity, and other state agencies. Local entities had the largest request for the FY 2018–2019 and FY 2019–2020, closely followed by INDOT Seasonal who had the largest request for FY 2017–2018 and FY 2020–2021.

The prices shown in Figure 9.11 are the average of the prices offered to the different districts by the suppliers under each entity. It is observed that local entities and other state agencies pay a higher price per ton for salt than INDOT Seasonal or Early Fill. This comes down to negotiation and procuring of salt at an early time in the year. It is important to place an order early to reduce costs, and that means forecasting the need for salt more accurately in advance of winter. Forecasting the weather accurately can be a difficult task. However, if the prices are negotiated closer to the early fill rates, then significant savings can be realized.

If local entities procure at Early Fill prices (\$3–\$4 less per ton), there is a potential cost savings of \$750,000 to \$1,200,000 in the salt budget. This is significant, given the savings can be transferred to better operational equipment, research, and materials. Given the bulk of the budget goes to procuring salt, it is very important to monitor the areas discussed in the sections above (IN.gov, n.d.a).

9.4 Implementation Plan

The analysis into past salt contracts and suppliers lead to the following takeaways that can be implemented by INDOT:

- Allowing local entities to purchase salt at INDOT’s negotiated prices can lead to significant savings.
- Coordinating delivery with other purchasing agencies can help reduce the delivery cost.

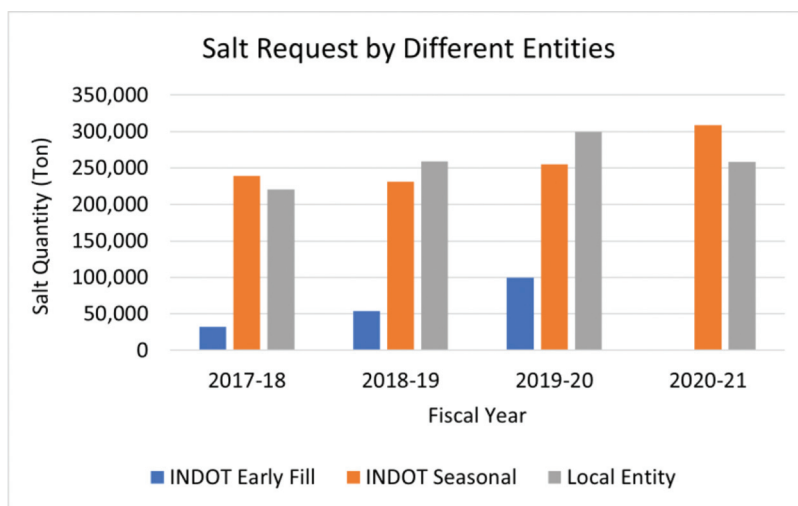


Figure 9.10 Salt requested for different entities within the state.

Years	Entity Type			
	INDOT Early Fill	INDOT Seasonal	Local Entity	Other State Agencies
2017-2018	\$ 64.95	\$ 67.85		\$ 73.47
2018-2019	\$ 79.87	\$ 79.38	\$ 82.10	\$ 82.82
2019-2020	\$ 86.50	\$ 92.11	\$ 90.45	\$ 91.63
2020-2021		\$ 85.24	\$ 87.75	\$ 85.48

Figure 9.11 Average price of salt quoted for different entities within the state.

- Insights into the comparisons of prices quoted by different suppliers can help in future negotiations of salt contracts.
- Other useful insights into the type of salt, purchases across districts, changes in delivery methods, and entities involved can be used for future negotiations.

10. EVALUATION OF EQUIPMENT AND TECHNOLOGY

There are many types of equipment and technology that can improve the service level offered by the state agencies. However, they are expensive and need to be analyzed before they can be recommended. During the interviews conducted, the issue of better equipment and increased use of technology was raised. This section explains some of the areas where that can be implemented in the upcoming winter seasons.

10.1 Evaluation of Blades and Plows

The different member states of the Clear Roads initiative (Clear Roads, n.d.a) were surveyed on the blades and plows products (Figure 10.1) and rated their experiences on scale of 1 to 5. The results from the survey are compiled below and the products that have the highest overall satisfaction score are highlighted in green. The two plow blades highlighted, Joma plow

and TowPlow, are highly recommended by the different state agencies using them. These two are more widely used than the other plow brands (Clear Roads, n.d.a).

10.2 Evaluation of Deicers and Chemicals

The member states in their pilot testing, tested different deicer and chemical products (Figure 10.2) and rated them on a scale of 1 to 5. The different state agencies that were involved in this testing were Idaho DOT, Arizona DOT, Iowa DOT, Illinois DOT, Missouri DOT, Ohio DOT, and South Dakota DOT. The products that scored an overall satisfaction of 5 were Boost salt brine enhancer, Dowflake Xtra calcium chloride flakes, and Ice Slicer deicer (Clear Roads, n.d.b).

10.3 Evaluation of Spreader and Liquid Application Systems

Different member DOT agencies tested various spreader and liquid application systems (Figure 10.3) and rated them on a scale of 1 to 5. The product experiences are from DOTs of Minnesota, Arizona, North Dakota, and Illinois between 2006 and 2019. The products that scored an overall satisfaction score of 5 are Bonnell tailgate spreader and Henderson Zero-Velocity spreader (Clear Roads, n.d.c).

Blades and Plows	Instructions	Ease of installation	Vendor support	Durability	Addressed problem	Overall satisfaction
BlockBuster blades - hammerhead carbide	4	2	4	4	4	3
Ice-O-Force underbody blades	4	4	4	4	4	4
Joma plow blades	4	5	5	5	4	5
Kuper Kombi H ceramic-insert blades	4	3	4	3	3	3
Lake Effect blade assembly (Ironhawk)	4	5	4	4	4	4
Monroe flex plow wth trip edge	3	4	4	5	5	4
PolarFlex blades (Valley Blades Ltd.)	4	4	4	4	4	4
Power float valves	3	3	4	4	4	4
TowPlow (Viking-Cives)	4	4	4	3	4	5

Figure 10.1 Rating for different brands of blades and plows.

Deicers/Chemicals	Instructions	Ease of installation	Vendor support	Durability	Addressed problem	Overall satisfaction
Boost salt brine enhancer inhibitor (EnviroTech)	5	5	5	N/A	5	5
Dowflake Xtra calcium chloride flakes	5	5	N/A	N/A	5	5
Fusion Deicer	4	4	3.5	3.5	3.5	3.5
Geomelt	3.9	3.8	4.4	3.9	3.4	3.6
IceBan (Scotwood Industries)	4	4	4	5	4	4
IceKicker (Saltworx)	4	4	4	N/A	4	4
Ice Slicer deicer	5	5	5	5	5	5

Figure 10.2 Rating for different brands of deicers and chemicals.

Spreaders and Liquid Application Systems	Instructions	Ease of installation	Vendor support	Durability	Addressed problem	Overall satisfaction
Bonnell tailgate spreader	5	5	5	5	5	5
Henderson First Response System (Slurry Spreader)	4	3.5	4.5	5	4.5	4.5
Henderson Zero-Velocity Spreader	4	4	5	5	5	5
Monroe Salt Slurry Generator	4.3	3	4.3	4.8	4.5	4.5
Salt Skirts	N/A	4	N/A	4	4	4
Scale-Tec Calibrator IV Portable Spreader						
Calibration Scale	3	4.5	3.5	5	5	4.5
VariTech Liquid Application System - 1850 gal	3	4	5	5	5	4

Figure 10.3 Rating for different brands of spreaders and liquid application systems.

10.4 Evaluation of AVL/GPS Systems for Trucks

Automatic vehicle location (AVL) system is a system that automatically transmits the geographic location of a vehicle to a central tracking system. The system is installed in every truck in the fleet and helps in locating each truck of the entire fleet during operations. During discussions with the INDOT team, we learned that most trucks in the INDOT fleet will have the AVL/GPS systems installed for the FY 2020–2021 winter season.

Looking at the graph below (Figure 10.4), we can conclude that the data collected by AVL/GPS technology is directly proportional to increases in both the cost and technology invested. There are four technology tiers mentioned in the figure. The first tier, with lowest technology investment, is the cheapest and collects the least amount of data. Investing in GPS tracking is the entry level option for investing in this technology. The next tier involves a camera interface which takes pictures of the road at defined intervals and uploads the picture to the server, from where the pictures can be seen through a central system. This enables the managers to look at the road conditions in addition to tracking the equipment. The following tier involves installing cameras with ability of GPS tracking, recording videos, and sensors that can measure the material usage. This helps keep track

of materials that are used by the truck for snow removal. It also helps ensure efficient use of materials and by collecting this data, the managers can understand material requirement better, helping them make better predictions for the future. The final tier involves high investment in technology at a high cost but collects the highest amount of data. This system allows real-time managerial communication in addition to the features available with previous tier technologies (Clear Roads, n.d.a).

There are several advantages and disadvantages associated with each tier (see Figure 10.5). The lowest tier does not have the ability to tracking live conditions and is the most basic setup. The highest tier has high costs and challenges under operating conditions, but the output of such a system records a plethora of data which can be used for real time route optimization, an interface for drivers showing live road conditions, material usage, automated reports, better forecasting the salt required for the next winter and more (Schneider, 2017).

These systems and technologies are being used in other states and there have been improvements in their service level. Installing such systems for the INDOT fleet is the right step towards embracing technology and analyzing and interpreting data from these systems will result in overall improvement of winter operations.

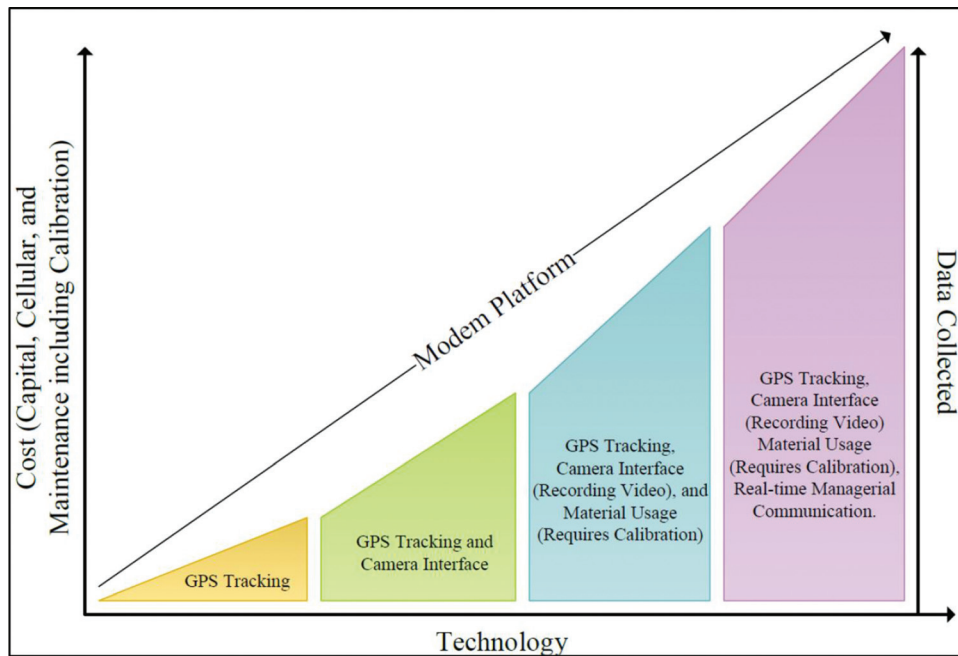


Figure 10.4 Different tier levels for implementing GPS/AVL technology (Schneider, 2017).

Tier	Levels of GPS/AVL Systems	Disadvantages	Advantages
Tier 1	Truck tracking and visualization	<ul style="list-style-type: none"> No material tracking No road conditions 	<ul style="list-style-type: none"> Low cost of implementation and maintenance Managers know treated routes when watching system
Tier 2	Truck tracking and camera interface	<ul style="list-style-type: none"> Maintenance of system required Data bandwidth needs increased 	<ul style="list-style-type: none"> Real-time conditions of routes Road conditions stored in form of pictures
Tier 3	Truck tracking, camera interface and material usage recording	<ul style="list-style-type: none"> Maintenance of system required Sensors need calibrated Data bandwidth need increased High costs 	<ul style="list-style-type: none"> Automated material usage reports Managers know treated routes and how much material used on routes Road conditions stored in form of pictures
Tier 4	Truck tracking, material usage recording, camera interface and real-time managerial communications	<ul style="list-style-type: none"> High costs Maintenance of system required Sensors need calibrated Data bandwidth needs increased Distracted driving issues 	<ul style="list-style-type: none"> Automated material usage reports Managers know treated routes and how much material used on routes Road conditions stored in form of picture Real-time route optimization Interface for drivers showing weather conditions, material usage of all trucks, etc

Figure 10.5 Advantages and disadvantages associated with each tier level (Schneider, 2017).

11. SUMMARY OF THE PROJECT

This project provides a comprehensive look at winter operations, especially snow removal operations to identify opportunities to both improve service and decrease costs. We started with a literature survey of snow operations in Wisconsin, Ohio, and Virginia to uncover possible best practices for consideration. We then conducted detailed interviews with INDOT personnel to get their description of current operations and their ideas. Data from current maintenance and truck details were analyzed to get statistical links between truck age, miles driven, make, and costs. Analysis of the salt procurement data and contracts with suppliers, suggests opportunities to reduce costs by coordinating purchases for local entities. We then mapped all the critical locations across the state i.e., hospitals, schools, police stations, and fire stations and created a district-level map that ensures that snow routes adjust to these locations and thus satisfy planned service levels. We then developed a simulation model that shows how snow routes service delivery is impacted by snowfall type and deployment. The simulation model also shows the impact of route adjustments and provides a dashboard of KPIs. Finally, we provided a summary of technology changes to improve performance. This report thus provides possible choices for INDOT personnel that can both incorporate current data insights as well as permit evaluation of possible changes to the system to both improve performance and decrease costs.

12. IMPLEMENTATION PLAN

The winter operations report provides the following insights that can assist INDOT:

- An analysis into the current vehicle fleet to understand the maintenance and life of the assets to improve performance.
- Critical locations of hospitals, schools, fire, and police stations around the state at a county and district-level that can be incorporated into route optimizations and planning to improve service thresholds.
- A simulation model that is designed with customization features to analyze hypothetical scenarios and help draw meaningful insights for real time implementation. The analysis presented eliminates deadhead miles and asserts the existence of opportunities to further optimize routes across the state at a county level.
- Opportunities to save costs by permitting local entities to purchase salt with INDOT and by coordinating deliveries with different agencies involved. The analysis into past salt contracts and the suppliers provide valuable insights for negotiations in future winter contracts and purchases.
- Evaluation and recommendation of different equipment and technology that are used in winter operations. These recommendations are based on the experiences of other

agencies that can be implemented by INDOT for its operations.

REFERENCES

- Clear Roads. (n.d.a). *Blades and plows* [PDF file]. <https://clearroads.org/wp-content/uploads/2006-2019-Product-experience-BladesPlows.pdf>
- Clear Roads. (n.d.b). *Deicer/chemicals* [PDF file]. <https://clearroads.org/wp-content/uploads/2006-2019-Product-experience-Salts-deicers-B.pdf>
- Clear Roads. (n.d.c). *Spreaders and liquid application systems* [PDF file]. <https://clearroads.org/wp-content/uploads/2006-2019-Product-experience-Spreaders.pdf>
- Current Results. (n.d.). *Average annual snowfall in Indiana* [Webpage]. <http://web.archive.org/web/20201230051214/https://www.currentresults.com/Weather/Indiana/annual-snowfall.php>
- 50States.com. (n.d.). *Indiana police departments* [Webpage]. https://www.50states.com/indiana/police_departments.htm
- Google. (n.d.a). [Google Maps display of crane unit critical location map]. https://www.google.com/maps/d/u/0/edit?mid51F10EEFYQWxxI4B7DROtLnAxMt_4_72Ow&ll538.89630617908618%2C-86.94578379654305&z=9
- Google. (n.d.b). [Google Maps display of critical locations in Indiana counties]. <https://www.google.com/maps/d/u/0/edit?mid51bml6DcyayNTN7CrwOR5E7XJmfv0YUpQd&ll538.934539240125424%2C-86.0735419571145&z=59>
- Google. (n.d.c). [Google Maps display of Indiana state-level fire department map]. <https://www.google.com/maps/d/edit?mid=15CTz50VDDfwIIRQJCcuRCUmwNIFnj2jQ&usp=sharing>
- Google. (n.d.d). [Google Maps display of Indiana state-level hospital]. https://www.google.com/maps/d/edit?mid=1h7V1MbRVJyVYqhOQ_ygPxN4zjdnRKWTV&usp=sharing?
- Google. (n.d.e). [Google Maps display of Indiana state-level school map]. https://www.google.com/maps/d/edit?mid=1VKAll267RZAuni79RkgJJ_mnYRWAj8vV&usp=sharing
- Google. (n.d.f). [Google Maps display of Indiana state-level police station map]. <https://www.google.com/maps/d/u/0/edit?mid=16E90M1AuM9WbIlhzjNV1-R68Xxktjc7R&ll=39.75674365374557%2C-86.37157665&z=7>
- Google. (n.d.g). [Google Maps display of Indian state-level critical location map]. <https://www.google.com/maps/d/u/0/edit?mid=1bml6DcyayNTN7CrwOR5E7XJmfv0YUpQd&ll=39.5253782425886%2C-86.06042779971835&z=7>
- INDOT. (n.d.a). *INDOT facts* [Webpage]. Indiana Department of Transportation. <http://web.archive.org/web/20201229212547/https://www.in.gov/indot/2337.htm> https://www.researchgate.net/publication/229932747_Inventory_cost_impact_of_order_processing_priorities_based_on_demand_uncertainty
- INDOT. (n.d.b). *Traffic count database system (TCDS)*. Indiana Department of Transportation. <https://indot.ms2soft.com/tcds/tsearch.asp?loc=Indot&mod=>
- Indiana Department of Education. (2019, March 26). *List of school numbers* [Webpage]. <http://web.archive.org/web/20201230051422/https://www.doe.in.gov/safety/health/list-school-numbers>
- Indiana Department of Health. (n.d.). *Indiana hospital directory* [Webpage]. <http://web.archive.org/web/20201230051349/https://www.in.gov/isdh/reports/QAMIS/hosdir/>

- IN.gov. (n.d.a). *Indiana road salt program* [Webpage]. <http://web.archive.org/web/20201230051752/https://www.in.gov/idoa/procurement/active-contracts-and-qpas/qpa-supplemental-information/indiana-road-salt-program/>
- IN.gov. (n.d.b). *INDOT district maps* [Webpage]. <https://entapps.indot.in.gov/dotmaps/districtmaps/>
- Indiana State Police. (n.d.). *On the map* [Webpage]. <https://www.in.gov/isp/2382.htm>
- Indiana Volunteer Firefighter Organization. (n.d.). *Department directory* [Webpage]. <https://ivfa.org/directory/>
- Iyer, A. (2002, June). Inventory cost impact of order processing priorities based on demand uncertainty. *Naval Research Logistics*, 49(4), 376–390.
- McClellan, T., Boone, P., & Coleman, M. A. (2009). *Maintenance decision support system (MDSS): Indiana Department of Transportation (INDOT) statewide implementation final report for FY09*. Indiana Department of Transportation. <http://web.archive.org/web/20160909113718/http://mdss.iteris.com/mdss/pfs/files/MDSSReportWinter08-09.pdf>
- McCullouch, B. (2009, November 25). *Total storm management manual* (JTRP Other Publications and Reports. Paper 1). Indiana Department of Transportation. <https://doi.org/10.5703/1288284314676>
- ODOT. (2011, March). *Ohio Department of Transportation: Snow and ice practices*. <http://web.archive.org/web/20170829150112/http://www.dot.state.oh.us/Divisions/Operations/Maintenance/SnowandIce/Snow%20and%20Ice%20Best%20Practices/ODOT%20Snow%20and%20Ice%20Practices%20March%202011.pdf>
- WisDOT. (2020, October). *Annual winter maintenance report, 2019–2020, Brine is fine: Saving money, saving the environment*. Wisconsin Department of Transportation. <http://web.archive.org/web/20201230050921/http://wisconsindot.gov/Documents/doing-bus/local-gov/hwy-mnt/winter-maintenance/annual-report-2019-20.pdf>
- VDOT. (2019, November 6). *VDOT news–statewide* (CO-149937). <http://web.archive.org/web/20201230050932/http://virginiadot.org/newsroom/statewide/2019/winter-is-coming-and-vdot-is-ready11-6-2019.asp>
- Schneider, W., Crow, M., Holik, W., A, Bakula, C, Maistros, A R., Gould, Z. T., & Lurtz, J. M. (2017, September 1). *Evaluation of the GPS/AVL systems for snow and ice operations resource management* (Report No. FHWA/OH-2017-31). Ohio Department of Transportation. <https://rosap.ntl.bts.gov/view/dot/32513>
- Wang, J.-Y., Kandula, P., & Wright, J. R. (1995). Evaluation of computer-generated routes for improved snow and ice control. *Transportation Research Record*, 1509, 47907–1284. <http://web.archive.org/web/20201229214010/http://onlinepubs.trb.org/Onlinepubs/trr/1995/1509/1509-003.pdf>

APPENDICES

Appendix A. Interview Transcripts

Appendix B. Explanatory Data Analysis

Appendix C. Critical Locations

Appendix D. Simulation Model

APPENDIX A. INTERVIEW TRANSCRIPTS

Minutes of Meeting
Interview with Jordan Beaver, District Manager – Fort Wayne District
Aug 12, 2020

Meeting Attendees: Gokul, Jordan

1. Which sub-district do you manage?
 - The entirety of all sub districts
 - He is the district operations manager
 - Jim Schaffer in La Porte

2. Could you start by describing your responsibilities in the role of a district manager? Whom all are under you?
 - Center point for all discussions in snow and ice removal
 - Things they must improve upon
 - Eye on assets, trucks, material, like salt
 - He gets everyone together in a planning meeting
 - Kind off the single point of contact
 - Through the summer, he has the same responsibility to work with all sub-district managers
 - He also manages the heavy equipment section, chip seal, paving, bridge section
 - Lot of the heavy equipment guys are the ones who operate the snow ploughs
 - Each individual asset is assigned to an employee. Keeping track of maintenance, keeping it clean.

3. Could you describe winter operations performed by your district?
 - District Ops
 - Makes aware to everyone that a storm comes in
 - Grades the severity. Get all the details of the storm
 - He recommends what needs to do
 - Has a conversating with the sub district manager
 - Some subdistricts get the storm while others don't
 - Discussing the game plan
 - Sub district Manager
 - Conveys what was discussed in the meeting
 - The time to start, the number of drivers, the plan of attack
 - Conveying to the supervisors
 - Supervisors
 - Conveys to the drivers
 - Who serves the route?

WOA report – It's a dashboard of who is out, how many are out, each subdistrict can give what they are doing. Contact information of supervisors, who's on what shift. It is real time data.

Next step is Parsons AVL will tell information of where the truck is, how many rounds, is the plow up/down, etc.

4. How many people are there in your team?
 - 220–240 from HMD to Drivers
5. How many trucks all your units have?
 - 140 trucks district wide, 10–15 spare trucks
 - 140 is the fleet of dump trucks
 - Spreaders are different types, different bed types, auger trucks, belt type
 - 6–8 trucks throwing sander beds district wide. They will be gone in two years.
6. How are the snow routes created? And how are they prioritized?
 - Driver has enough material to complete the road in a trip
 - The level of ADT helps in classifying
 - High priority roads 2 hours turnaround
 - Backward roads are met around 3–3.5 hours, the distance is longer
7. What sections of the route are most difficult to clear? Bridges? Unpaved roads?
 - All roads are paved
 - Bridges are the first thing to go bad
 - Concrete sections are more difficult than asphalt
8. What are some KPIs or performance metrics you track for the drivers and operations?
 - The winter operation metrics have been not solid
 - There used to be a metric
 - Now they look at salt usage/lane mile
 - Keep track of overtime
 - Logistics focus on some metrics that keep the trucks running
9. What type of inventory do you keep? Salt, brine, fuel, etc. How is the amount of inventory determined?
 - Calcium and Beet juice are used for anti-icing, also used for deicing as well
 - All trucks are equipped with liquid system
 - During the storm, they are applying brine or calcium. Each truck has the ability
10. What is the salt consumption over the last 5 years?
 - Will share the data in a spreadsheet
11. How much salt and brine does each truck take?
 - A tandem axle truck can hold 10–12 tons of salt. A single axle 6–8 tons. The liquid tanks 100 gallons. Six Brine truck have 2,500 gallons, and another 2 that have 1,000 gallons.

12. How often do you perform the maintenance activities? In between the snow operations, preventive maintenance, etc.?

- Majority of the maintenance is done by the maintenance crew, oiling the plows
- Couple vendors provide their service to
- Fort Wayne and Wabash are 4-unit subs, Bluffton and Elkhart have one separately.
- Each sub district has one maintenance shop.
- Pre storm check
- End of shift check that sees everything.
- They make sure all the trucks are washed off. Everything is checked from bumper to bumper.

13. What do you use the MDSS for? What is other software you use for planning?

- They are doing their own calculations
- It gives the pre storm directions
 - Breaks it down hour by hour
 - If you should plow or not
 - Applying chemical in that hour span, brine, salt,
 - Suggests application rate
- MDSS gives the ability to put in a report and goes to a meteorologist and they give a new updated prescription on what you need to do on the road
- It is difficult in Fort Wayne because the variables are constantly changing

14. Can you tell us about the parsons AVL? What are you expecting to get out of it?

- Parsons will be directly involved with MDSS
- Each truck that has it, there is a tablet that the driver puts the road conditions on the fly.
- They system also has a camera that is forward facing that captures a picture
- The meteorologists in MDSS can also see what the driver sees
- The managers will also be receiving the data

15. What are some challenges you face regarding equipment/weather tools?

- Not a whole lot of trouble with spreaders, plows
- Just a lot of trouble with trucks breaking down

16. What are some challenges you face with respect to personnel? High turnover, lack of training, etc.?

- Past couple years, there is a high turnover
- Snow and Ice program requires certain number of hours before they are out on the road

17. What is the biggest opportunity or more opportunities you see for winter operations?

- Material management—some way to keep tab on the inventory on the material.
- Scoops are how they are keeping track
- While dumping back, they don't know how much scoops they used.

- How much material is being used?
- Lot of front-end loaders tells you how many scoops that one loader puts in the truck
- It'll be great if they can know how much weight is going in and all the data is measured electronically.

18. We have few maps of your district. Can you help me understand them?

- Showed him, all the colors represent the routes.

19. Are there any procedures that you use? Could you share that with us?

- INDOT has a winter operation guidebook. Anywhere from the start of the season.

20. What are some places you look for best practices? Any websites, other states, conferences, etc.?

21. Can you give us the following data?

- Winter Availability report
- WOA report
- Salt usage for the 5 years.

Minutes of Meeting
Interview with Chuck Neuenschwander, HMD – Fort Wayne District
Aug 6, 2020

Meeting Attendees: Gokul, Olga, Chuck

1. Could you please describe your responsibilities? What are the different units under your command?
 - He sees the entire snow removal effort in the district
 - He has two people working with him, Operations and Maintenance manager
 - All the subdistrict managers, and the unit foremen responsible for their areas
 - He lets them manage their own areas, as long they work within the guidelines
 - They have the responsibility and authority to manage things
 - Meetings to discuss the anticipated weather

2. Could you describe winter operations performed by units in your district? And a general overview of winter operations in your area?
 - They adjust as the storm develops
 - It's difficult to make a hard and fast plan
 - They have established routes, and drivers preassigned to these routes
 - As the storm progresses, they determine whether need people or not

3. Are there any specific decisions you make for the winter operations?
 - He reviews their plans
 - They work with his assistants and engineer
 - It's on the managers to inform and make the decisions
 - Nothing formal. They've worked together for long time

4. What are the main operational decisions you make and factors that you consider related to winter operations? How do you estimate the resources and allocate them across districts? W.r.t personnel, salt, brine, beet, trucks, maintenance, etc.
 - They keep in contact with the districts to the west.
 - They are getting AVL for all their truck

5. What tools does your team employ? Such as MDSS? Do you AVL installed on your trucks?
 - Deployed on all vehicles. Newer trucks will have GPS, cameras, Parsons
 - They can see what other districts are doing in real time
 - The newer trucks will have GPS, cameras
 - The older trucks will be replaced in a year or two, and for now they will just have the vehicle location systems
 - The goal is to have all the trucks ready by winter
 - MDSS is used as a reference to see what they are recommending
 - MDSS sometimes misses a storm by several hours
 - In the end, they look at NWS, AccuWeather, radar systems and then make a recommendation
 - Doesn't have enough confidence in the MDSS system

6. Which subdistrict has the highest need for winter operations (or the largest fleet)?
 - Elkhart sub district, last year southernmost district, Bluffton.
 - Changes from year to year
 - Last year the snow extended all the way into the southernmost districts

7. What are the performance measures used to assess the efficiency of the winter operations? Is it
 - 250 lbs/lane mile of snow dispensing?
 - It all depends a lot on the weather
 - Darcy is working on a project with Ford that gives them information real time on traffic

8. Do you also go off the 5Y trends for salt purchase? Does the logistics dept assist you in the purchases?
 - They are obligated to purchase 80% of the number they estimate
 - The logistics dept

9. What is the budget for winter operations in your district?
 - \$4MM for salt, roughly
 - Labor, Diesel, Truck usage adds to a lot more
 - Information can be got through WMS

10. What is the cost of salt per ton and cost of beet juice?
 - \$70/ton for salt
 - \$60–\$80
 - They get the bids for salt as early as in July
 - It's a guessing game when it comes to purchasing salt
 - They start to procure more when they hit 15K tons in a barn

11. What bottlenecks currently exist in your operations. What do you think causes them? Are the trucks breaking down frequently? Are personnel running short?
 - Getting salt in the middle of winter is hard
 - Salt suppliers have difficulty in getting it as well then
 - Trucks can be a problem
 - They seem to be always short on drivers
 - Only drivers with CDL can drive a snow plough, and it takes 60 days to get them licensed
 - Sometimes new trucks have a glitch, and it doesn't work well. They may have a recall or some issue.

12. Are you looking to purchase new equipment? Such as Trucks, plows, etc. If so, what types of brands are you looking at?
 - Central office purchases the winter fleet for them
 - They have a specification, and whoever meets with the cheapest quotes
 - Sterling, International, Hemworth, Freightliners. Four major brands

- Trucks bought from one year to another has a pretty big difference in parts, controls, turning radius
13. Do you look at other states operations to seek out best practices? If so, which?
- Part of clear roads
 - Jeremy McGuffey would have that information
14. Can you provide us the snow route maps for your district?
- They have route books
 - There is a map that shows every route and the deadhead miles and service miles
 - He will share a copy of that
15. Who should be the next person to contact? Can we speak to the subdistrict and unit managers?
- Jordan Beaver – District Ops Manager
16. Are there any other directions that winter operations can be looked at?
- They are always looking at different products for snow removal
 - They started buying tow ploughs, that allows them to do two lanes at one time
 - Different types of blades that are more effective and last longer
 - Happy to work with Purdue. Recent project was in developing automatic brine trucks
17. Do you take resources from other districts as well?
- Few years ago, other districts provided them trucks when theirs was down
 - They have a plan in place in which they can give 6 of their trucks to other districts
 - They move trucks and drivers within their districts more effectively
 - Every district has spare trucks. They have more assigned than they need.
 - Sometimes in the winter times, it's hard for the mechanics to keep all the trucks running
 - Few years ago, their new trucks wouldn't run and only then they had to borrow from other trucks. Otherwise, they've been self-sufficient.
 - There is a turnover rate for their mechanics as well
 - A typical shop has 6 mechanics, and in any shift, they have 3 mechanics
 - In any breakdown, they have 1–2 mechanics that go out to fix the issue
18. How are the borders in your district defined?
- The boundaries are set. They set for the subdistricts.
 - Boundaries for subdistricts are different from what the winter routes are
 - When he redid the routes, they removed all the subdistrict boundaries
 - In that way, they designed the routes that made the most sense and they were able to reduce the deadhead by 700 miles. Hence, giving better service.
 - They reduced from 171 to 140 snow routes.

Minutes of Meeting
Interview with Patrick Szewczak, HMD – Greenfield District
Aug 7, 2020

Meeting Attendees: Gokul, Steve, Patrick

1. Could you start by describing your responsibilities in the role of an HMD? H
 - As the HMD, he is the umbrella overall lead for all the districts about road maintenance
 - They have 5 sub districts. 40 technicians in each sub district except for Indianapolis where they have 65 technicians
 - Responsible for all the INDOT assets, roads, guard rails and keeping everything in good working condition
2. What are your responsibilities w.r.t to winter operations?
 - Been in this role for 1 year
 - He delegates to sub district managers
 - Approves the plans given by his team and subdistrict managers
 - 350 drivers to cover all the routes
3. Are there any specific decisions you make for the winter operations?
 - Him and his district managers
 - Drivers keeps changing every year
 - Takes a month to get the names and routes, units all assigned
 - Every driver is then notified
 - Sub district sets up a snow school for route familiarization
4. What are some challenges related to staffing?
 - Marion county has more opportunities for drivers to seek employment elsewhere
 - About 80% of the drivers in the room have about 2 years of plowing experience
 - Mechanics can go work elsewhere and make better wages
 - Depending on where the mechanics are the turnover rates change
 - Indianapolis has 73 trucks, and on average there are only 6 mechanics for all that work in the winter.
 - Each sub district has a shop in it. So, there are 5 mechanic shops. In Greenfield, they have 25 units. On average, each sub district has one maintenance unit in it.
5. What are some challenges related to equipment? Such as plows getting damaged
 - Their biggest issue is the age of the truck
 - Standard practice at INDOT is 18 years for a plow truck
 - Some plow trucks are natural gas trucks. They are a money pit, constantly breaking down. The fuel consumption is more frequent than normal trucks. It is half the fuel mileage.

6. How do you go about planning your snow routes?
 - Last year, they started piloting route optimizations where they analyzed deadhead miles
 - Class 1, 2, 3 classifications for roads. Also, depends on the average daily traffic
 - 60% of roadways are class 1, 30% are class 2, and 10% are class 3
7. What are some performance metrics do you use?
 - The other metrics didn't reflect accurately their performance.
 - The metric they use is end of storm. Before they pull out of the road, they must have that level of service met. After the storm is done, they need to have bare pavement visible. For class 3, some bare wheel tracks visible is good enough.
 - The standard application rate is 250lb/lane mile. Using treated salt with CaCl, they can reduce the application rate to 170lbs/lane mile.
8. Do you have any other metrics that you would like to have?
 - Are they servicing the roads in the time frame to meet the level of service?
 - Cost per lane mile, and when they were tracking it, the cost was \$6/lane mile
9. What are the costs of salt and your budget?
 - Greenfield has a budget around \$4 million for salt
 - Payroll is already fixed in and doesn't change in winter operations
 - It may be \$3 million–\$4 million for labor
 - April of every year, they submit their needs to central office and compares if it's feasible according to their 5Y average.
 - They are held to purchasing at least 80%
 - This year they submitted 60,000 tons for greenfield district
 - The price has fluctuated from \$60–\$90 per ton for salt
10. What do you do when you run short of resources, trucks, salt, etc.?
 - They shuffle around the trucks to meet the need. From the northeast to south and accordingly
 - In the peer group, they know which region would need extra resources
11. Which subdistrict has the highest need for winter operations (or the largest fleet)?
 - Indianapolis and Tipton subdistrict
12. What feedback to get from the citizens?
 - Some areas give them a thumbs up and other areas they don't like their service. People have varied expectations of service level.
13. Do you have any technologies such as AVL in your district?
 - Greenfield currently doesn't have it
 - They would probably have it in before winter

14. What are the tools you are using for weather services?
- MDSS is sometimes accurate and sometimes off by hours
 - They look at it as an indicator of what is coming
 - After deciding using MDSS, they look at NOAA, NWS, AccuWeather. Once everything lines up and then they are confident about the decision to make.
 - On average they look at 3–4 weather services to become confident
15. What are you trying to do this year, that is different from before?
- They did a demo on a brine maker. They think their spreaders might not be applying at the proper rate. The brine solution is 23% and with different temperatures of waters the percentage changes. They are getting digital salinity testers.
16. If you had unlimited amount of money, where would you spend it?
- More of the auto brine spreaders from Purdue. They would like to have more of these on a smaller scale.
 - More liquid brine routes than granular salt routes. There are cities that are spraying only brine.
 - In brine application, 80% brine and 20% beet heat. Just brine they have 3–5 days, and with beet juice they have 7 days.
17. How often did you have to take or give resources?
- Not often, but once they had to give 15 trucks to Fort Wayne dist.

Minutes of Meeting
Interview with Bernard Rudd, Subdistrict Manager – La Porte District
Aug 13, 2020

Meeting attendees: Ruier, Dutt

1. Could you please describe your responsibilities?
 - Make sure roads are safe through the winter season.
 - Pull out the trucks when they are needed.
 - Met with supervisor to make sure the truck, plows are ready.
 - Make sure they know the weather change and overtime.

2. How do you estimate the resource requirements for the winter operations and how the resources are allocated across subdistricts?
 - Put them on 2 shifts, one is shift A another one is shift B.
 - Look at 4–5 different weather station to determine how many drivers and truck, location what the time frame is going to be.
 - Keep an eye on the weather when they are deicing, then decide to add more drivers or call them back. Call another district manager from east or west on what they are getting.

3. How your routes or locations within a route are prioritized?
 - Each driver will have a snow and ice training. Before the winter operation, they will know what routes they are on.
 - The different priority of roads is based on the traffic count. Different truck for different routes, some truck can cover two lanes at the same time.

4. How you get the traffic count?
 - A report we get from each district that tells the traffic count into the routes. They update the report every time they do traffic count.

5. What are the factors that trigger the start of winter operations?
 - The district that will have a standard set that by Nov 15th all truck should be ready for the salt usage. We try to get everything done by the end of October.

6. How you get your deicing materials?
 - All the deicing material are in their system. When we are getting low in materials, we just let the district know and order for us.
 - They keep a running total in WMS system. Every time we use the material, we put it into a day card and remove them on inventory to keep track of them.

7. What bottlenecks currently exist in your operations. What do you think causes them?
 - Not enough drivers to cover all the routes, the reason that situation happens is we do not have enough personnel.

8. Do you have any difficulty for getting deicing materials?
 - We have salt borne and beet heat. We do not have any difficulty with materials.
9. What factors are considered for planning of winter operations in your sub-district?
 - Make sure I have all the material before it begins, and all the trucks are ready.
10. Before the winter operation start, do you just ask for the deicing materials?
 - We make sure the salt bar is full and we make our own brine at our location, make sure the beet heat and all the stuff are full. The biggest challenge is the lack of drivers.
11. What is the biggest opportunity for the winter operations?
 - There are so much involved in the winter deicing operation.
12. What type of inventory do you keep? How the amount of inventory is determined
 - I keep about 180,00 gallons salt brine and 10,000 gallons of beet heat right now.
13. How you determined the inventory?
 - The beet heat does not go bad so you can keep them during the summer. For the salt, we try to go over last years' record and then you try to use them up.
14. What if you just order more salt than you need?
 - Ask other location needs salt, we will give it to them. If they do not need the salt, it does not hurt.
15. Which are the performance measures used to assess the efficiency of the winter operations?
 - Watch the over time. So anytime that is over 37 and a half hours. And your salt usage, you need to make sure you are not wasting salt
16. Who should be the next person to contact?

John Myers—unit 1 supervisor. Jmyers@indot.gov
17. How do you control for the quality of your operations?
 - Team effort. Supervisors and myself out for guiding drivers. You go by the forecast; you need to have supervision. Operation supervisors help me make sure drivers are doing the thing.
18. Which are the main operational decisions that you must make related to winter operations
 - How many trucks and drivers? If I have driver shortage, I have that delivers to take 2–3 routes, double up routes. It will take longer to finish our goal.

19. What are the shortcomings of your current KPIs, how would you refine these and how do you think these?

- Changes would impact the current operation efficiency.
- Keep asking for more personnel. We have 29 snow routes, and we have 29 employees.

20. What are few other KPIs you think would be nice to have and is there a specific reason behind this choice?

- No, not really. Snow operation is big project, you just cannot take anybody that put them in a plot

Minutes of Meeting
Interview with Jim Scheffer, District Operations Manager – La Porte District
Aug 6, 2020

Meeting attendees: Karthikeyan, Jim

1. What are your various responsibilities as District Operations Manager?
 - Overall oversight of operations—particularly ensure coverage on snow routes, oversee drivers/resources allocation

2. What are the various operational decisions taken around winter operations? Short term and long term
 - Review cost and salt usage
 - Budget Decisions which primarily is about monitoring material dispense rate and trying to adjust

3. What is dependency of winter operations on systems like MDSS etc.?
 - MDSS provides hourly forecast on weather including road condition and storm severity. With these systems we ask our drivers to either increase or cut back on salt usage.
 - Helps us in conservative usage of material
 - Based on the forecast we decide on crew allocation, how many drivers should be asked to report.
 - We also use/partnered with local forecast and national weather service etc.

4. Given high dependency, has the accuracy of these forecasting systems hindered your operational decisions?
 - We rely on accurate up to date information—this I feel is an area for improvement for us. We have had problems with the forecasts, so overtime, we have grown to not absolutely depend on them, so we still try to be prepared. When an event has been wrongly forecasted, we let them know so that they are able to adjust their recommendations. It is more of a two-way communication.

5. What according to you are the different areas with opportunity for improvement and new Performance Indicators?
 - INDOT is working on—AVL systems are to be installed in all our snow removal equipment. Aug 10th La Porte starts installation.
 - We believe these systems are going to be giving the management a better idea of real time on road operations and we intend to compare them with our results and adjust our existing metrics based on that information.
 - Better supervision by comparing what the drivers are doing and reality weather-wise and road-wise.
 - Hence, provide better opportunity to train those drivers.

6. If you would want to include a specific performance metric to improve operational efficiency, what would you want it to be?
 - Tracking of Salt usage—we ideally want a fully loaded truck to be able to at least complete an entire round of its assigned route
 - Right now, we know if the system is left on 250lbs/lane mile it is going to make an entire round.

7. Break down of your day-to-day operations?
 - Starts with a phone call to sub district managers and operations supervisors and discuss the forecast and corresponding resource deployment.
 - Sub district managers then begin planning the shifts.
 - Review available drivers, equipment
 - Assign drivers to routes
 - Decide start time
 - Decide whether to deploy just the skeleton crew (people to keep an eye on the roads until the storm begins) or start with a full crew based on the intensity of the storm
 - Once the storm begins, we continually monitor forecasts. MDSS, national weather service etc.,
 - Monitor drivers and their operational efficiency, safety
 - Once the storm passes, we go through the clean-up process
 - Get equipment cleaned up and ready for the next storm

8. Average total lead time to carry out a request?
 - For a 24-hr event—we would roughly spend 48 hrs including preparation and cleaning up of equipment

9. Given the breakdown of operations in which face do you face the most difficulties?
 - Struggle having enough personnel to cover all our routes
 - We rely lot on seasonal assistants
 - Equipment availability
 - As far as material availability goes, our logistics team is efficient in managing the salt storages and make sure we stock enough—only time we faced a problem with this was couple of years ago because of the intensity of the winter

10. On an average how many trucks does each unit have?
 - Average 10 trucks per unit
 - During winter operations we run out of 19 different locations
 - Couple of salt barns/maintenance units that we don't use anymore but we do store salt in these locations

11. How do you control the quality of your operations?
 - We often be there with the drivers monitoring what they are doing
 - Control speed of the trucks to maintain safe roadways

12. Technological improvements that La Porte is working on?

- We have found brine very useful—prevent snow from bonding onto the pavement, forming of frost on bridges etc.,
- Pretreat salt with onboard pumps and sprayers
- Use Tankers to do an exclusive brine snow route and break ice packs after the storm
- Semi-tankers to treat interstate
- Further, out onboard prewet systems tend to breakdown a lot – Potential improvement
- Have a lot of automated salt brine makers within the district has been a tremendous improvement.
- Apart from brine, we use beet juice in Monticello subdistrict. They use it in a mixture (say 100ga of beet juice: 1000ga of brine)
- We also use liquid CaCl₂ with a rust inhibitor – Little bit on the pricey side – mostly used only when there is an ice pack issue or when fast results are required etc.,
- We are going to experiment with new agriculture-based product

13. What is the common cause for frequent break down of prewet systems?

- Sensor failure (90% issues)

14. How long on an average are the trucks unavailable due to maintenance?

- Highly specific to the problem
- We have many spare trucks available to manage the down time in the long run.

15. Anybody else that we can't talk to in La Porte next to understand the operations from a different perspective.

- Bernard Rudd – Sub district manager – Monticello sub

Minutes of Meeting
Interview with Tyrone Hare, Subdistrict Manager – La Porte District
Aug 7, 2020

Meeting attendees: Suraj, Tyrone

1. What are the roles and responsibilities for winter operations?
 - In charge of the north-western corner of the north-west Indiana, the operations include the Illinois state line to state road 249 (19-mile marker/94), as far as the 69 goes and state road 2.
 - 4 units in the Gary Sub-districts
 - Responsibilities include:
 - Patching potholes, ploughing snow and various other activities required by INDOT in the area. The operations include designing work plan for the year, use the plan to perform operations taking into consideration the weather, emergencies and priorities.

2. What are the most important factors in the winter operations?
 - Weather would be the most important factor constraining the operations – timing of the storm
 - Availability of the equipment, for example need for an excavator
 - Ad-hoc planning in terms of resources

3. What are the various steps involved in the process?
 - The weather is forecasted through various sources and the service schedule is estimated
 - The availability of employees is planned, and their activities are scheduled
 - An assessment is made in terms of how critical the event would be, and resource utilization would be planned
 - The trucks are checked and maintained and hence availability is ensured
 - Decisions on sharing resources (equipment)

4. How is the Gary Sub-district divided in terms of Winter Operations?
 - 4 Different units:
 - Crown Point
 - Miller
 - Freeway
 - Gary West
 - Between interstate and state highways
 - 2nd routes – US 20, US 41 and the interstates
 - Every route has 2 trucks and 3 extra trucks in the sub-district
 - The priority is the interstate as they are the busiest

5. How many trucks does the Gary sub-district operate with?

50 routes in the Gary sub-district, hence 50+ trucks

During the storms trucks usually goes down and the INDOT is left with fewer trucks

How is the salt procured?

Usually, the contract is with one company every year. It would be beneficial to have a weighing scale to measure the amount of salt left over at the end of an operations cycle.

6. What are the challenges in terms of truck drivers?

Gary sub-district has the highest turn-over rate because of the proximity to Chicago, IL, hence, it is easier to find easier jobs with better pay. Process of hiring is at least 2–3 weeks, hence some people interviewed are always kept on standby.

7. How do you approach high snowstorm situation?

Sharing resources and people from nearby districts. If the prediction is inaccurate, clearing snow becomes harder if the people and resources are brought in from a different district.

8. During a typical storm, how many trips do the trucks make to reload salt?

In a 12-hour shift about 5 or 6 trips to the unit

9. What are the various bottlenecks?

1. People calling off work
2. COVID-19
3. Truck breakdown

10. What happens when a truck breaks down?

The driver communicates to the supervisor for alternate arrangements. The Unit Supervisor is present to attend to such emergencies. Each unit has a Unit Supervisor and 2 Crew managers. Any questions that the Supervisors do not have answers is escalated to the sub-district manager.

11. How do you work with heavy traffic?

The trucks would be driving in between the trucks; however, the cars would have to be driven slower as the winter trucks can't go as fast as the other cars on the road. However, the clearance cannot be assured.

Minutes of Meeting
Interview with Keith Norred, Operations Manager – La Porte District
Aug 12, 2020

Meeting attendees: Suraj, Keith

1. What are the challenges faced in your role during INDOT operations daily?
 - More fresh snow
 - More Lake effect snow
 - La Porte for example 157 inches of snow one winter
 - Lake effect depends on the temperature drop and climate change
 - Forecast, people and equipment
 - Forecast: Lake effect, affects forecast,
 - Equipment: Equal opportunity bid affects the purchase results in equipment from different manufacturers
 - People: High turn-over rate, difficult job and low pay
2. What are the various forecasting methods used?
 - MDSS, which is the state contributed program (pretty challenging because of the Lake effect)
 - Weather channel
 - Nation weather service
 - A shift in the wind changes the forecast
 - Communications through a centralized chat room—which can be improved
 - The forecasting isn't accurate in terms of the quantity of the snow
3. How do you plan for operations?
 - Two 12-hr shifts per day
 - Equipment and personal availability are a major factor
 - Sharing is done based on the amount of the snow
 - The challenge is the change in availability
4. What regions do you consider for feedback or benchmarking, for planning operations?
 - The neighboring counties and districts are considered.
 - The lack of a central communications hub has been a challenge
 - AVLs might help in understanding what are the neighboring regions doing, by cutting out the need to contact someone personally.
5. What are the technologies used for real time tracking of operations?
 - WMS: crew, miles and material
 - WOA
6. How many routes do you guys have in the La Porte sub-district?
 - 40 routes
 - Three routes are tow-plough routes
 - The tow-ploughs can be used in only certain routes; it is hard to plough ramps and trail paths

- Tow-ploughs are the best for State Roads with three or four lanes
 - The trailers in a tow-plough wouldn't hold as much salt as the truck, resulting in shorter routes and increasing deadhead travel
 - Normally routes are between 35–40 miles (IS) and 15–20 miles
 - Three classes, interstates priority routes, roads going through towns and low traffic roads
7. How many miles deadhead travel do the trucks do in a typical operation?
- In a 30-mile route—5–10 miles of deadheading
 - to get the material
 - to travel to the location
 - Smaller roads have greater deadheading especially two-lane roads
 - Sharing trucks works out only for response and not for precaution
8. Do you have to send out trucks to all the routes?
- Sometimes a few trucks are down and that creates an issue. All the routes would need to be serviced during a snowstorm
 - CDL is essential for a person to drive the truck and hence people shortage is an issue to achieve efficient operation
9. What are the skills and training required for snow ploughing?
- Part time drivers would have to have a CDL and experience driving a heavy-duty truck
 - Full time hires are a lot more lenient and INDOT trains them and helps them get a CDL
 - many skilled drivers including some well experienced drivers leave INDOT for other jobs due to higher pays, this includes full-time employees who were trained and sponsored CDLs leading to a loss of \$6,000 for INDOT
8. How are the drivers moved between routes and trained in the event of shortage of employee in a route?
- 6-week training for someone who has no experience
 - Much lesser time for someone that has experience
 - There is not definitive scale for employees
 - The decision is mostly taken based on the mental notes about the performance of various employees
9. Is the criticality based on the location of hospital or any other important building?
- It is an important factor, but it isn't the main deciding factor

Minutes of Meeting
Interview with Justin Bednar, HMD – La Porte District
July 27, 2020

Meeting Attendees: Gokul, Juily, Karthik, Olga, Dutt, Steve, Justin

- Two 12-hr shifts
- They have 5 maintenance sub districts, and 17 maintenance units. Traffic falls under highway maintenance teams.
- Give us a general overview of winter ops in your district
 - Each of the 5 districts re responsible for creating A or B shifts, 12 h shifts
 - All the maintenance staff have requirements to cover certain areas (Plow snow)
 - Each unit has road segments, trucks, people
 - Classifications
 - OS1, OS2 OS3 routes
 - Interstates are top priority
 - Traffic <2,500/day is lowest priority
 - The routes are standard across all other districts
 - There is a manual with 400 maintenance staff
 - They do a multitude of maintenance activities
 - Driver operator and plow. Responsible for their own routes
 - There are some mechanics in the shop, and that's it.
- As HMD, how much is role dedicated towards winter ops?
 - 5–6 months dedicated to wards winters ops, Nov–Apr
 - Working with MDSS for training and using their recommendations
 - Allocating personnel in shifts
 - Each sub district has their own responsibilities, they have around 3–4 units and they work with those managers
- Working with budget for the sub districts, who is in charge for estimating the quantities?
 - Decision making uses a lot of averages, 5y trends
 - Budget, snow ice fall, e.g., last 5y Novembers
 - Salt barns are made to be full
 - In October, they make sure brine systems are all working
 - They make their own brine
 - There are analysts who run usage data to get an idea, who estimate using 5y data
 - They meet every 2 weeks or as frequently as needed
 - National weather service stations and MDSS are what the HMD looks at
 - He determines the resources according to the needs, e.g., Plymouth
- How often do you have to ask for resources from other districts?
 - Only at times of
 - 1 to 2 times out of 5 years they would need trucks from other districts
- What are some performance metrics used?
 - Rule of thumb that La Porte uses
 - Every HMD has a different thought on this
 - Depends on the drivers' training, etc.
 - Target metric <250 pounds of salts/ lane mile
 - Harder to do with brine

- Some trucks are gravity fed
 - Some trucks have computers and GPS, such as in Greenfield
 - Everything is done by paper, but they are looking to use APS
- What are some of the challenges you face regarding winter ops?
 - Finding the material usage
 - Each driver scoops a different amount of salt,
 - Each bucket has 2.5 lbs of salt, the bucket measuring quantity is wrong
 - Knowing the appropriate amount of salt used
 - No way of identifying the appropriate amount of brine
 - Wear and tear of plow blades. They need a way to gauge when to put the plow up. It causes damage.
 - Replacing these blades are quite costly
 - Since they are close to the lake, they are affected a lot by wind speed and directions. When the wind is right across the lake, there is a lot of snow.
- Situation dictates which subdistrict and changes with season and temperatures, mostly Plymouth or La Porte subdistricts
- HMD drives spends time on the road trying to monitor the drivers, unit supervisors, etc.
- The trucks have been calibrated to dispense the right amount of salt, and they know how much salt is being used.
- Can you dig deeper into the AVL data?
 - Signed a contract with Pearson logistics
 - A data on the truck, that have GPS which gives lot of information
 - HMD can log in to the dashboard
 - They will have these devices installed before this upcoming winter
- Whom else should we speak to?
 - Jeremy McGuffey, he is responsible for setting up AVL
 - Sub district and unit managers will be very helpful
 - Jim chaffers, he has a lot of experience with winter ops,
 - Tyrone Hare, Keith Norrie (Gary SDM), Stacy Flick (Plymouth SDM), Jim Chaffers (DM)
 - Expect different procedures as they have their processes.
 - He will send out their emails.
- Are there any other factors to determine?
 - They look at wind speed, air temperatures, road temperatures, residual snow
 - It's a science
 - There might still be salt after removal
 - Residual salt on the roadway
 - Frost can also be on the roadway, and can become icy give the right temperatures
 - Nor right way, but with experience
 - Weather patterns is the most contributing factor
 - MDSS is a tool everyone uses. It makes recommendation whether trucks are going to be on the roadway or not.
- Can you tell us more about the prioritization?
 - There's a standing rule as per when the school buses are out
 - Managers know where all the emergency routes are
 - Interstates are the most priority

- Anything more than >2,500 average daily traffic
- They might pull a driver of OS3 routes that is less than 2,500 avg daily traffic
- Every sub district and unit know what their priorities are
- They kick off every winter with a meeting with police chiefs, fire chiefs, managers.
All these folks are in one room to discuss plans.
- Who is responsible for maintenance of the trucks?
 - Each sub districts have their own shops and mechanics, and they can do most work
 - Major work is sent out to a bigger shop
 - The shops fall under the district's logistics division
 - They talk with that team about their plan

Minutes of Meeting
Interview with John Myers, Monticello Unit Manager – La Porte District
Aug 20, 2020

Meeting Attendees: Gokul, John, Dutt

1. Where is your unit located?
 - a. Monticello
2. Could you please describe your overall responsibilities?
 - a. He has 8 snow routes in his area
3. How many people are there in your team?
 - a. 16 people
4. How many trucks do you have?
 - a. 8 trucks, 8 snow routes
5. What is the area that you must cover?
 - a. SR 16 to SR 26, East to west I65 to SR 29
6. Do you have any spare trucks?
 - a. About 30% of the time, they have a spare.
 - b. In a 12-hr shift, one or two trucks go down
7. How do you decide on the resources for winter operations? Which drivers for routes?
 - a. They can move people around and shift them whenever
8. How does the effect of the lake snow affect your unit?
 - a. It runs out by the time it reaches them.
 - b. About 2–3 times a year, they get the lake effect
 - c. Sometimes they get inch an hour for 12 hours
9. What are the types of inventory you keep in your unit?
 - a. Salt, Beet Heet, they put this on salt
 - b. It makes the salt work better when it gets colder
 - c. They can use it for both anti icing and deicing
 - d. They haven't had CaCl for 6–7 years because its more corrosive on the trucks and expensive
 - e. They make the brine in house. They use it in tanker truck
10. How often are your routes changed?
 - a. It hasn't changed for many years
11. What type of inventory do you keep? Salt, brine, fuel, etc. How is the amount of inventory determined? Which material is used for what purpose, Brine, salt, CaCl?
 - a. Salt and beet Heet are used for both anti icing and deicing. CaCl is more expensive, not used for 6 years.

12. How much salt and brine does each truck take?
 - a. 1,800–2,000 gallons brine, 10–11 tons of salt. For 10–11 tons of salt, 10–15 gallons of beet Heet.
 - b. They mix the beet Heet with the salt and then dump into the trucks
13. What is the fuel capacity of the trucks?
 - a. Only once per shift it is filled.
14. What are some of the other metrics do you use?
 - a. 250lbs/lane mile.
15. What are some challenges you face regarding equipment?
 - a. Salt is very harsh
 - b. Trucks are washed after the storm
 - c. No time to wash after each shift
 - d. In between shift, they tighten up the chains, check the salt.
16. What are some challenges you face regarding employees? How is the turnover rate?
 - a. He is happy with their abilities
 - b. Just not get out there, go too fast or too slow
 - c. They need to know a lot of things before they get out on the road
 - d. Most of the drivers have less than 5 years of experience
17. Do you use conveyors or front-end loaders to load salt?
 - a. They use front end loaders
 - b. About the 3–4 scoops is what a truck hold. A bucket is about 3–3.5 tons of salt.
 - c. All their drivers are trained on the front-end loaders
 - d. It's a little under 3 tons, approximately.
18. What is the biggest opportunity for the winter operations? Some challenges that you face.
 - a. Every storm is different. There are many different variables
19. How often do you perform the maintenance activities?
 - a. There is a shop across the street that has a preventive maintenance program
20. Are the trucks used for other purposes?
 - a. Thy haul it for asphalt, chip cutting, cut trees
 - b. The same trucks are used for all other purposes
21. What are the tools/software you use for weather reports?
 - a. They use the MDSS and couple local weather channels, Lafayette weather
22. Can you tell us about the AVL data?
 - a. Not done yet. They are due to that in 2–3 weeks. i.e., By Sep 2020
 - b. They find the cameras are harder to work because of the salt.

- c. The cell phone service is poor in their area, so sending data back is troublesome
23. What are some MDSS reports you use before the storm?
- a. It has 2 to 3 screens. It has a radar on a google map.
 - b. You can add temperature, precipitation, etc.
 - c. It tells you how much salt to put
 - d. It's not a bad tool but not the best tool
 - e. It's good to have a look at it
24. Are your units in part of the maintenance shops?
- a. Not all units have shops near them, mostly 1 per sub district.
25. When do you get the order for salt delivered and how much do you use?
- a. 20,000 tons of salt for the whole winter
 - b. Since they don't have any interstate or four lanes
 - c. There's been times when they ran out of salt
26. What months are the most work?
- a. December–January the temperatures is constant
 - b. Other months it fluctuates, and they get freezing rain and that can eat up the salt supply

Minutes of Meeting
Interview with Justin Berger, HMD – Seymour District
Aug 6, 2020

Meeting Attendees: July, Justin

1. Could you please describe your responsibilities as the highway maintenance director?
 - Assess the weather conditions from the service providers data
 - He directs them with the direction
 - Performs the storm management from a high level
2. How much of your work is on winter operations?
 - Completely hands on winter operations
 - Will have a call with only that region if they are having an effect
3. What are the main operational decisions you take? What other departments you focus on?
 - Decision on the need for materials based on 5Y average
 - Route optimization using personnel
 - They type of equipment to be purchased based on their geographical area
4. What is the biggest opportunity for improving winter operations?
 - More money invested in automation, such as trucks, spreader controls
 - Sensors and ground controls on the trucks that will tell the truck what to do rather than the person inputting the values. It will also tell the spreader controls on what to put where
 - Route optimization that will tell the drivers turn by turn directions similar to how UPS trucks. This can tell how to cover the route faster.
 - There can be classification of areas that will tell this is an east facing hill or a bridge or a shaded location. It will change the rate based on the location. It will tell the spreader control.
 - The future of the system can look like based on smart cars. What other information out there that we can pull out?
5. Is AVL a step up to what you are currently doing?
 - Parsons is a step in the right direction.
 - Data is reported to a cloud that is the same provided as their atmospheric and weather service stations.
 - It will tell what that truck is putting out, the plow up/down, visual data
 - There are sensors that can be purchased such as MORWIZ that can be plugged right it.
 - It provides real time data from a road and sending it to the cloud. It's a plug and play configuration. This data can be sent back to the driver then.
6. When are you getting it installed in your district?
 - They are last down the list as they are the southernmost district
 - Around November timeframe
 - He has lot of experience in AVL and from other states

7. Which sub district has the most impact for winter operations?
 - Highest priority is the one with the highest ADT
 - Those are the number one needs
 - Northern sub districts in his district
 - They are faced with freezing rain

8. What are some other operations that your team does?
 - The unique issues with southern districts have a longer freeze/thaw cycle
 - At the end of a snowstorm, they must clean the edge of the pavements and get slush off the road
 - It doesn't stay cold and they should avoid the dangers of refreezing
 - They must do drain cleaning

9. What are some performance measures other than salt dispensing that you look at?
 - They used to have cost per weather hour
 - Weather hour is any form of precipitation below 32 degrees
 - For Seymour, it was very high because they used to pre-treat and not have much weather hours
 - Tracking what the truck is putting down is more reliable
 - If they can measure the weather by themselves, then they can use that to check the reliability of their weather service providers
 - They don't have any other statewide measurement other than salt/lane mile

10. What else are you planning for your winter operations this year?
 - To make sure they have the right equipment
 - A real time route optimization that will change according based of atmospheric changes in the weather. If it's snowing in the north, then it can change their plans accordingly.
 - Personnel are a factor. Having to do more with less.

11. Are there any other ways to forecast resource requirements?
 - Personnel and snow routes are built within a system called WMS
 - The way they staff is 2:1 ratio per route.
 - Material is always based of the 5Y average
 - They try to keep the salt barns full
 - He has only sent trucks to the north twice in 4 years. Very less in his point

12. Are there any other job roles associated with these operations?
 - Manager makes the call for whether they go full force or partial call out
 - Foreman gets in touch with the drivers

13. How do you know that the drivers are performing well?
 - Just a visual check of the road according to the classification of the roads
 - He uses google maps and checks for the traffic density

14. What other states/agencies do you look at to seek out best practices?

- Other states have good systems as they deal with different types of snow and traffic patterns
- Minnesota is using telematics and automation and they are setting the stage in that field

15. Who is the next person to contact?

- Tony McClellan, he has been deeply involved in winter operations on a national level
- He has really good ideas and dearth of information. Spending 30 minutes on the phone with him is very valuable.

Minutes of Meeting
Interview with Adam Mitchell, Crane Unit Manager – Vincennes District
Aug 5, 2020

Meeting Attendees: Gokul, Adam

1. Where is your unit located?
 - a. Crane unit, Linton sub-district 10 miles south of Bloomfield, Vincennes district. Located right outside the crane naval base.
 - b. There are 17 more units in Vincennes. Totally 18 units.
2. Could you please describe your responsibilities? Also, give a general overview of Winter Ops in your area?
 - a. Have a very good ops manager to help with the decisions, anything material wise, logistics
 - b. Regarding the winter, they go off what the weather comes in, pre-planned meeting use MDSS in the winter, call the crew and decide whether they need patrols, what kind of material they will be using, etc.
3. What are the main operational decisions that you must make related to winter operations?
 - a. Snow, materials used, crew size.
4. What are the factors that trigger the start of winter operations?
 - a. It depends, every storm is different
 - b. The ones in January stick more to the road and are more severe compared to November
 - c. Ground temperatures are warmer in November, so they don't have a full call out.
 - d. Typically, January, and early February the conditions become worse.
5. How many people are there in your team?
 - a. The whole team for winter operations they have 20 drivers
6. How many trucks do you have?
 - a. 10 trucks, 2 shifts/truck
7. What is the area that you must cover?
 - a. 360 sq. mi, From Bloomfield, Elnora, Oaton, Logotee I69, 6 mi north of Washington
8. Are the units split according to sub districts? How are they placed?
 - a. Not split by counties or anything. More of what makes sense. Every sub-district has 3–4 units. Everyone has preplanning meetings and how you attack each area. Most of Indiana have 3–4 units in every subdistrict.
9. How are the winter operational routes formed? And how are they prioritized?
 - a. Class 1 roads, I69, US 231, every 1.5 hrs max
 - b. Class 2 roads are state roads 58, 54 (treated like class 1) 2 hrs max

- c. Class 3 roads are state roads 43. 3 hrs max
 - d. It increases as they don't have treat as often, they salt will work for few hours. So, they take a little longer in Class 3 roads.
 - e. US 54 goes towards the Bloomington hospital.
 - f. They don't have police presence except when there are some accidents.
10. How many snow routes do you have? How long are they?
- a. 10 snow routes/ (35 miles–50 miles)
 - b. He can share with us a map tomorrow.
11. How are the resources allocated to the operations?
- a. Depends on the amount snow, a light dusting will have only 3–4 guys
 - b. A day in advance to give a full call out
 - c. Two guys are in I69 always
 - d. The others are serving other routes
 - e. If there is something light, then only few people are out
12. How do you estimate the resource requirements for the winter operations and how the resources are allocated across your units?
- a. AccuWeather, Local weather, Apps on the phone
 - b. They go off MDSS. It works but it also overestimates. It sometimes tells it's snowing when it isn't.
 - c. They use a mixture of services
13. What type of inventory do you keep? Salt, brine, fuel, etc. How is the amount of inventory determined?
- a. They talk to logistics
 - b. Right now, they have 1,700 tons of salt, holds 3,500 tons
 - c. The state goes off a 5Y average
 - d. Logistics tries to figure what they need
 - e. 30,000 gallons salt brine, made inhouse
 - f. Capacity of 10,000 gallons beet heat
 - g. Last year 30 K brine
 - h. Currently sitting with 4,500 gallons of beet heat
 - i. 19/20 winter 3200 tons of salt
 - j. 18/19 winter, 3600 tons of salt
 - k. 18/19 280,000 gallons of brine
 - l. They've never run out of salt. The closest they've gotten was 100 tons left.
 - m. Logistics got back in 2 days with 1,000 tons of salt.
 - n. They have the most use for Vincennes district
 - o. Most units have 20,000 gallons of brine
14. How much salt and brine does each truck take?
- a. Amount of Brine is standard. Their brine tanks have 2200 gallons. They have two trucks that are built for spraying brine. They shoot nonstop all weather long. Tanks that have 200 gallons of beet.

- b. There are trucks that have 10 tons of salt to 15 tons of salt. 250 lbs of salt/lane mile, 50–100lbs/lane mile.
 - c. Each truck is placed at a route that is enough to make one round.
 - d. If the roads have running water, then they put lighter amounts of salt on it. 50lbs/lane mile. It doesn't have to be 250 lbs all the time. To save salt, they turn it down. Initially, they spray 250 lbs but then turn it down. If the storm is severe, then each subsequent trip they turn it up to 100 lbs/lane mile. They need to just stay out there and just plough. Once the storm lightens up, they turn it up to 250 lbs/lane mile. Once it stops, they put a little 50–100 lbs/lane mile to get the roads to dry. It all depends on the timing.
15. What is the fuel capacity of the trucks?
- a. Driver fills up the tank in a 12 hr shift. The next crew comes to a full tank. At the end of the shift. 100-gallon tank is the capacity.
 - b. They fill it up at a gas station.
16. What are some of the other metrics do you use?
- a. They also score based on 20 miles an hour on the shift. It's very easy to do. If there is full snow, their guys run usually around 30 miles an hour. This is to make sure they are hitting the routes on a timely manner.
 - b. They have Morwiz, which is a mobile weather station. Reads the road, air temps, moisture content, chemical content such as salt, beet juice. One truck that has and is kept on I69. It can be hooked up to an iPad. It is expensive, costs \$10 K. Some people don't like it as much. The truck that has it can also dispense salt.
 - c. Usually, all the subdistrict managers have it installed on their vehicles.
17. What is the biggest opportunity for the winter operations? Some challenges that you face.
- a. Every winter storm has its different challenge. Whether its mechanical issues, and they might breakdown. Sometimes the weather is funky, some roads are fine and bad.
18. How often do you perform the maintenance activities?
- a. After every winter activity, all the trucks get washed and serviced. Sometimes after back to back storms, they check all the oils, fluids, breaks, wipers are good to go.
19. Are the trucks used for other purposes?
- a. The trucks are used for shoulder clipping and other purposes, like moving a rock off the road.
 - b. For a bad winter, 75% winter or 25% summer ops.
 - c. In the summer, not every truck is used all the time. 2–4 trucks
20. Can you tell us about the AVL data?
- a. They do have the telematics on the work trucks. They were taken out.
 - b. They don't have any one the dump trucks, because of issues caused to other systems. They used something called a Gage system.
21. Are there any procedures that you use? Could you share that with us?

- a. There is a winter operations handbook. For presentations, trainings, etc. Every district has one, and they need to tweak it.
22. Whom else should we speak to?
- a. Dustin Miller is his manager, out of Linton
 - b. Mark Shields is their HMD and the logistics director for Vincennes.
23. Are your units in part of the maintenance shops?
- a. Their units are maintenance for the roads, whether it's the snow, crumb rubber, shoulder clipping, asphalt paving.
24. When do you get the order for salt delivered?
- a. Order is placed and in a couple days they get it. They
 - b. 400 tons were delivered in May
 - c. Typically, a preload before winter, some more salt in October/November.
25. What is the cost of salt?
- a. \$70/ton
26. What about the beet?
- a. Beet from a company in Kokomo.
27. Are there any documents you can share with us? Operating procedures, etc.
- a. Snow route maps for their units.
 - b. Winter operations handbook, this has almost everything that's needed.

Minutes of Meeting
Interview with Tim Nees, Unit Manager – Vincennes District
Aug 6, 2020

Meeting Attendees: July, Tim

1. Could you please describe your responsibilities for winter operations?
 - Maintain the highways in his sub district area
 - Consists of state roads from Princeton area to Vincennes
2. What is some operational type of decisions you take?
 - Depends on how much ice and snow they get
 - Which trucks go where
 - How much salt to put
 - Pre-treat the roads and get ahead of the storm
3. Which areas do you see improvements for efficiency?
 - The use of salt
 - They are using a calibration box from Purdue for salt dispensing
 - They were over salting, and run out of salt
4. Do you measure performance by road salt usage?
 - Salt usage is only the performance measure he is aware of
5. Can you suggest other KPIs?
 - Got nothing
 - Satellite imagery for the drivers to see.
6. How does it work when you have to reshuffle need to some other area?
 - The drivers are prepared to run the roads months in advance
 - According to the demand, the drivers are shuffled around and then move back to their routes
7. What factors do you look at for the start of winter operations for you?
 - The season starts with winter inspection well in advance
 - By September, all the vehicles, stockpiles, brine makers are all checked well in advance
8. Where do you see bottlenecks and what is causing them?
 - Their biggest problem is maintenance of their trucks
 - In the summer, they don't have to use much in the summer
 - They are fired up once a week just to check them
 - In the winter months, they start having breakdowns because of low usage
 - If there is a road in a drifting area, then they would call another truck to come and help. They plow it multiple times and salt it. This is caused by the wind.
 - *(They can maybe rotate the trucks in the summer for usage and avoid winter breakdowns)*

9. What is the type of breakdowns that you can fix for good?
 - A lot of the problems have to do with the hydraulic systems
 - They might overheat or short out. It takes 3–4 hours to fix it.
 - They use the backup trucks

10. What are they types of trucks and how many they have in their units?
 - Sterling 2007
 - International—7 Nos
 - Freightliners—3–4
 - Kenworth
 - Total of 13–15 trucks

11. Are there any other winter specific activity that your unit performs?
 - They do a lot of brush cutting in the wintertime
 - Potholes in the wintertime
 - They must fill them in the wintertime
 - Drain cleaning
 - Culver cleaning

12. How do you decide allocating them to these different works?
 - Potholes is the main priority
 - 3–4 days to make sure they are filled
 - They do typically in 24 hours
 - When the storm is over, they fill it

13. What other maintenance activities and how often do you perform them?
 - Majority of the activities is in house

14. How many routes does your unit serve?
 - 11 routes
 - 1 route they have a tow plow on, that is US50
 - US highways have 2 trucks, TAT is 2 hours

15. How do you control the quality of your operations?
 - They check it out visibly
 - There are temperature gauges on the trucks that measure the ground and air temp.
 - They would like to have satellite imagery on the trucks for the drivers to use

16. What are some health and environmental concerns you face?
 - Constantly looking at the traffic and avoiding collisions
 - Stress of the job working the hours
 - New drivers are very nervous

17. Which parts of the routes are most difficult to clear?
 - Usually bridges and overpasses. They have a lot of them in the Vincennes area

Minutes of Meeting
Interview with Clinton Bryant, HMD – Crawfordsville District
Aug 3, 2020

Meeting Attendees: Suraj, Clinton

1. What are the various responsibilities as a Highway Maintenance Director?
 - Overall, of internal work supervisor internal workforce (road work). Chip sealing, spot paving to snow and ice operations.
 - About 250 people in maintenance. Crawfordsville is broken in to 5 subdistricts – West Lafayette, Frankfort, Crawfordsville, Cloverdale and Terre Haute with 3–4 maintenance locations that report to sub-district. INDOT’s internal contractor.

2. What are the various operations decisions taken in Winter Operations?
 - Having good information is the key.
 - Manage the labor force – Ensure that they are working appropriate hours
 - Ensure that the trucks are running and are available sufficiently for operations requirements
 - Ensure that we have materials in all the locations
 - Challenge – Forecast doesn’t match with the actual operation.
 - Solution – Internal programs for forecast, real time information from the people for validation
 - Improvement – Communication through text groups between subdistricts
 - Suggestion – Communication with Illinois as they use similar systems

3. What subdistricts are allocated more trucks?
 - They are all equal in terms of lanes miles. Need is based on North v/s South.
 - The Windmill area has a lot of wind—easy to manage as it is not very densely populated
 - WL, Frankfort, Crawfordsville followed by I70 corridor.
 - US 36 South has differing between North and the South
 - North is more demanding than the South, Terre Haute is the least.
 - Indianapolis being a Metropolitan area is important and would be serviced in priority. The interstate is covered first.

4. Would you have a map of all the roads that you cover by the trucks by lane miles?

Maps for the subdistricts that could tell us the breakdown at each location is available.

5. Do you make decisions on where to park the trucks based on the snow density across the state of Indiana?
 - The storm forecasting isn’t in advance enough to make those decisions. During the heavy snowfall in November many trucks weren’t ready for operations. The weather would be gone by the time the trucks would reach the location.
 - Challenges – Timely communication, not all trucks are running, Saltwater causes corrosion and breakdowns, labor shortage despite having drivers from other departments as well, the pay per hour of the drivers
 - Drivers are balanced, giving preference to the North and Southern areas as needed.

6. Is there a mechanism built in for picking up salt to optimize it?
Salt vendors forecast the need based on forecast of the winter, which is mostly accurate. Routes are designed with the central point and going outwards like a spider web. There is always an attempt to reduce the deadhead. Curvy hilly roads are more prone to have drifting.
7. What are the various performance measures used to assess the efficiency of the operations?
- Comprehensive winter report is a good resource for performance measure – Jeremy McCarthy
 - Review by the dweller and news
8. How are the winter operations classified?
- Before an event – kick off meetings, brainstorming between 5 Operations Managers, including Fleet Manager, Material Manager – Ensures we have enough salt
 - Needs – Does anybody has needs in terms of trucks and if anybody has trucks that they can spare
 - Discussion about sharing trucks to compensate for shortage in a region that has more need
 - Snow is easier to manage than freezing rain and if there is a chance of freezing rain, they wouldn't want to share resources.
 - Part time labors for operations – 6 to 10 in the entire district
9. Is there a system to analyze bottle necks based on one set of operations and use findings to optimize the next cycle of operations?
- This is something that could be explored. The challenge is that depots and pick up locations are definite, and this method might lead to increasing the deadhead travel.
 - Bottleneck – If the loader goes down, trucks breaking down due to below freezing temperature and salt water, lesser number of trucks running than required. The maintenance could be delayed due to discrepancy in the forecasting.
10. Are all the trucks tied up with the winter operations?
- Yes, all the trucks are involved in the winter operations during the winter months
 - All dump trucks can be used for winter operations
11. Where are the trucks parked when not in use?
They are parked in the INDOT maintenance locations – 17 maintenance locations in the district. Every county has a maintenance unit except some of them have two. Crawfordsville has 12 to 13 core counties, but there could be more.
12. What are states can be looked at for benchmarking?
Looking into Illinois systems for improvements would help. Cameras have been located which would help in operations and ensure quality. Telematics would be installed on the dump trucks for tracking. Fort Wayne district are in the process of installing AVLs. Illinois

being western border would get the weather before Indiana, hence would help in forecasting.

13. What are the priorities for roads?

State roads would be a priority over county roads. Priority is interstate followed by multilane roads and lower volume state roads would be least on priority.

14. Do you conduct route optimization while planning routes and use data from each operations cycle to conduct route optimization?

Route optimization is necessary to ensure that the right capacity of salt is loaded on the trucks and trucks are not overloaded. Salt must be used efficiently by taking temperature into account and not laying salt when is too cold (25°F–15°F). At these temperatures chemical additives would be required. Problem with additives is that they are very corrosive to the pavements (CaCl and Asphalt). Treated salt could result in the formation of potholes.

15. How are warehouses for salt organized?

There are 18 domes in the district. Most of the domes are tied to the maintenance units except the one that's shared with the La Porte district. Drivers load their own trucks

16. What are the QA measures?

QA is conducted through maintenance units' supervisors, news and people's review

17. If funds were unlimited what would you do differently?

Buy better trucks – trucks that might breakdown less frequently.

APPENDIX B. EXPLORATORY DATA ANALYSIS

Overall Fleet Count

UNIT NO	SERIAL NO	OWNING DEPT DESC	MAKE	MODEL	YEAR	PURCHASE DO	METER	METER2	MAINT LOC
62422	3HTWDAAR97N496731	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	7400	2007	149058	149985	9651	802500
61058	3ALHG3DV2HDJB9211	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	114SD	2017	202486.35	31190	993	801300
62290	2FZHATDC66AW27372	800 INDOT FORT WAYNE DISTRICT	STERLING	L7500 SERIES	2006	139870	168831	8771	802600
62398	1HTWHAAT57J496793	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	7400	2007	148864	153949	7593	802500
64400	1HTWDAAR67J454200	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	110885	204087	10101	804300
62411	3HTWDAAR27N496716	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	7400	2007	149058	155328	8713	802600
62078	1HTWHAZT19J101807	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	4300	2009	169945	106566	4903	802600
62323	1HTWDAAR97J454143	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	7400	2007	149058	160498	10466	802200
64522	2FZHATAK73AL81309	800 INDOT LA PORTE DISTRICT	STERLING	L7500 SERIES	2003	94255	212956	9538	804200
64919	1FVHC3BS7BHAY6462	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	M2 106	2011	133445.26	87595	4523	805300
64663	1HTWHAAT67J454195	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	119793	189952	7880	804300
62289	2FZHATDC46AW27371	800 INDOT FORT WAYNE DISTRICT	STERLING	L7500 SERIES	2006	139870	154593	8298	802600

61701	1HTWHAZT38J696111	800 INDOT CRAWFORDSVILLE DISTRICT	INTERNATIONAL	TA1	2008	156265	74158	5263	801100
62410	3HTWDAAR07N496715	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	7400	2007	149058	141662	7712	802600
63700	1HTWGAAT47J454151	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2007	119442	135983	9175	803100
62337	1HTWDAAR47J454146	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	7400	2007	149058	160502	9273	802500
62408	3HTWDAAR17N496707	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	7400	2007	149058	154931	9806	802500
62279	2FZHATDC96AU95109	800 INDOT FORT WAYNE DISTRICT	STERLING	L7500 SERIES	2006	128370	158865	8243	802200
62401	1HTWDAAR37J464523	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	7400	2007	149058	127277	7990	802500
64695	1HTWDAARX7J454202	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	110885	105651	9040	804700
64667	1HTWHAAT47J496784	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	119793	120100	7552	804300
63486	2FZAATAK24AM20387	800 INDOT GREENFIELD DISTRICT	STERLING	L7500 SERIES	2004	94255	125204	8210	803200
64672	1HTWHAAT67J496785	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	119793	181391	7323	804600
62601	1HTWDAZR68J696135	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	SA1	2008	155880	101983	5916	802300
64673	1HTWHAAT87J496786	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	119793	202918	8488	804600
62423	3HTWDAAR07N496732	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	7400	2007	149058	140618	8906	802500
64883	1FVHC3BS7BHAY6476	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	M2 106	2011	133445	123092	5554	804300

62812	1FVHC3BS0BHAY6478	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	M2 106	2011	133445	109973	5526	802500
63439	2FZAATAK73AK78277	800 INDOT GREENFIELD DISTRICT	STERLING	L7500 SERIES	2003	86055	148515	10917	803200
62219	2FZAATAK93AL81247	800 INDOT FORT WAYNE DISTRICT	STERLING	L7500 SERIES	2003	86055	150143	10066	802200
61754	1HTWHAAT47J454180	800 INDOT CRAWFORDSVILLE DISTRICT	INTERNATIONAL	7400	2007	118908	161572	5697	801500
62247	2FZHATDC36AU95106	800 INDOT FORT WAYNE DISTRICT	STERLING	L7500 SERIES	2006	128370	144606	7573	802500
62088	2FZHATDC05AV03404	800 INDOT FORT WAYNE DISTRICT	STERLING	L7500 SERIES	2005	105905	129448	3863	802300
62361	2FZHATAK04AM76490	800 INDOT FORT WAYNE DISTRICT	STERLING	L7500 SERIES	2004	94255	190321	9517	802600
63703	1HTWDAAR17J454153	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2007	110534	135197	8918	803100
62226	2FZHATAK83AL81304	800 INDOT FORT WAYNE DISTRICT	STERLING	L7500 SERIES	2003	94255	142305	7855	802300
62286	2FZHATAK84AM15842	800 INDOT FORT WAYNE DISTRICT	STERLING	L7500 SERIES	2004	94255	52665	9165	802600
62413	3HTWDAAR97N496728	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	7400	2007	149058	144870	8657	802600
62338	1HTWDAAR57J454141	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	7400	2007	149058	141565	9196	802500
62161	2FZAATAK53AK78066	800 INDOT FORT WAYNE DISTRICT	STERLING	L7500 SERIES	2003	95085	162063	2410	802300
64043	2FZHATDC15AU95054	800 INDOT LA PORTE DISTRICT	STERLING	L7500 SERIES	2005	106583	187583	9179	804100
64924	1FVHC3BS5BHAY6461	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	M2 106	2011	133444.61	112370	6075	804400
61684	1HTWHAZT38J696108	800 INDOT CRAWFORDSVILLE DISTRICT	INTERNATIONAL	TA1	2008	130650	122129	6347	801400

63454	2FZHATDC15AU95040	800 INDOT GREENFIELD DISTRICT	STERLING	L7500 SERIES	2005	96550	147411	8997	803300
63026	3BKBL20X5BF295549	800 INDOT GREENFIELD DISTRICT	KENWORTH	T440	2011	161044.6	74224	4915	803100
64777	1HTWHAZT68J696121	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	TA1	2008	143620	145421	6776	804200
64167	2FZHATAKX4AM76528	800 INDOT LA PORTE DISTRICT	STERLING	L7500 SERIES	2004	103285	222420	9638	804200
64399	1HTWDAAR37J454199	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	110885	9450	645	804990
62258	2FZHATDC56AU95107	800 INDOT FORT WAYNE DISTRICT	STERLING	L7500 SERIES	2006	128370	144226	7470	802300
64569	3HTWDAAR67N496699	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	110885	177700	9029	804600
63041	3BKBL20X6BF295558	800 INDOT GREENFIELD DISTRICT	KENWORTH	T440	2011	161044.6	70524	3884	803100
64884	1FVHC3BS4BHAY6466	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	M2 106	2011	133445.26	86698	4896	804400
64927	1FVHC3BS2BHAY6479	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	M2 106	2011	133445	106148	5359	804300
65035	2FZHAJBB4YAF91718	800 INDOT LA PORTE DISTRICT	STERLING	L7500	2000	82733	178348	11679	804100
62348	1HTWHAAT57J454138	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	7400	2007	160014	154187	7882	802500
62381	2FZHATAK44AM76492	800 INDOT FORT WAYNE DISTRICT	STERLING	L7500 SERIES	2004	94255	207025	10807	802500
62405	3HTWDAAR87N496705	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	7400	2007	149058	136263	8866	802300
64834	1NKBLN0X8CJ323266	800 INDOT LA PORTE DISTRICT	KENWORTH	T470	2012	131970	92976	4561	804400

62245	2FZAATDC76AW27382	800 INDOT FORT WAYNE DISTRICT	STERLING	L7500 SERIES	2006	131100	135554	8011	802300
62060	1HTWHAZTX9J101806	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	4300	2009	169945	96152	4882	802500
64746	1HTWDAAR37J454204	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	110885	146150	7392	804300
64839	1HTWDAAR27J454209	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	110885	149852	10003	804700
62237	2FZAATDC56AW27378	800 INDOT FORT WAYNE DISTRICT	STERLING	L7500 SERIES	2006	119600	138635	8086	802600
62726	1FVHC3BS7BHAY6493	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	M2 106	2011	133445	96007	5409	802200
64701	1NKBLNOX4CJ323264	800 INDOT LA PORTE DISTRICT	KENWORTH	T470	2012	131970	69589	3363	804400
62595	1HTWHAZT68J696104	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	TA1	2008	167805	111715	5431	802500
64923	1FVHC3BS0BHAY6500	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	M2 106	2011	133445	76331	3778	804700
64548	3HTWDAAR07N496696	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	110885	187351	2788	804400
62682	1HTWDAZR8J696140	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	SA1	2008	157755	111070	5636	802600
64878	1FVHC3BS6BHAY6470	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	M2 106	2011	133445.26	55873	2586	805300
63478	2FZHATAK83AL81321	800 INDOT GREENFIELD DISTRICT	STERLING	L7500 SERIES	2003	94255	145296	8263	803200
61702	1HTWHAZT58J696112	800 INDOT CRAWFORDSVILLE DISTRICT	INTERNATIONAL	TA1	2008	156265	100130	5939	801100
65607	1HTWHAZT58J685045	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	TA1	2008	131170	125240	6724	805100

62965	1NKBLN0X5CJ323273	800 INDOT FORT WAYNE DISTRICT	KENWORTH	T470	2012	131970	80699	3929	802600
64632	1HTWHAAT27J454193	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	119793	150516	7806	804100
63465	2FZHATDC55AU95042	800 INDOT GREENFIELD DISTRICT	STERLING	L7500 SERIES	2005	96550	150519	8096	803200
63458	2FZAATAK03AK85099	800 INDOT GREENFIELD DISTRICT	STERLING	L7500 SERIES	2003	86055	174062	11989	803100
64967	1HTWHAZT69J101804	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2009	131126	163541	7031	804600
64568	3HTWDAAR47N496698	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	110885	179237	9583	804300
64617	2FZHATDC65AV03407	800 INDOT LA PORTE DISTRICT	STERLING	L7500 SERIES	2005	105905	150208	7772	804400
63647	2FZHATAK94AM62443	800 INDOT GREENFIELD DISTRICT	STERLING	L7500 SERIES	2004	103285	169350	9952	803300
63455	2FZHATDC35AU95041	800 INDOT GREENFIELD DISTRICT	STERLING	L7500 SERIES	2005	96550	155561	8019	803600
62406	3HTWDAARX7N496706	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	7400	2007	149058	143269	4907	802300
62416	3HTWDAAR77N496730	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	7400	2007	149058	147074	9093	802600
62284	2FZHATDC16AU95105	800 INDOT FORT WAYNE DISTRICT	STERLING	L7500 SERIES	2006	139870	129184	6684	802300
61683	1HTWHAZT18J696107	800 INDOT CRAWFORDSVILLE DISTRIC	INTERNATIONAL	TA1	2008	130650	190738	5091	801300
64776	1HTWHAZT48J696120	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	TA1	2008	143620	82925	5055	804700
63946	1HTWGAST48J698128	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	TA1	2008	133855	111035	6548	803500
61553	1HTWHAZT79J101164	800 INDOT CRAWFORDSVILLE DISTRIC	INTERNATIONAL	7400	2009	131311.76	126775	1161	801300
63030	3BKBL20X5BF295552	800 INDOT GREENFIELD DISTRICT	KENWORTH	T440	2011	161044.6	98138	7533	803100

61783	1FVHC3BS0BHAY6481	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	M2 106	2011	133445	89748	3871	801200
62324	1HTWDAAR07J454144	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	7400	2007	149058	124608	8979	802200
63708	2FZHATAK24AM76510	800 INDOT GREENFIELD DISTRICT	STERLING	L7500 SERIES	2004	94255	176425	10608	803200
62683	1HTWDAZR28J696133	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	SA1	2008	155880	152777	10769	802500
61881	1FVHC3BS0BHAY6495	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	M2 106	2011	133445	77236	3905	801200
62400	2FZHATAK14AM76496	800 INDOT FORT WAYNE DISTRICT	STERLING	L7500 SERIES	2004	94255	206388	11131	802500
62384	2FZHATAK64AM76493	800 INDOT FORT WAYNE DISTRICT	STERLING	L7500 SERIES	2004	94255	150834	7707	802200
62810	1FVHC3BS6BHAY6503	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	M2 106	2011	133445	113152	5828	802500
62339	1HTWDAAR77J454142	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	7400	2007	149058	134302	7964	802300
62343	2FZAATAK54AM76485	800 INDOT FORT WAYNE DISTRICT	STERLING	L7500 SERIES	2004	95085	146946	10137	802300
61808	1HTWHAATX7J454183	800 INDOT CRAWFORDSVILLE DISTRICT	INTERNATIONAL	7400	2007	148865	106802	8586	801400
64637	1HTWHAAT07J496782	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	119793	177801	8302	804200
64657	1HTWHAATX7J424312	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	119793	145999	7939	804100
64756	1HTWDAZR68J696149	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	SA1	2008	122675.45	121763	14420	804400
62239	2FZAATDC36A3W27380	800 INDOT FORT WAYNE DISTRICT	STERLING	L7500 SERIES	2006	131100	132200	7906	802300
61139	2FZHATAK73AL81326	800 INDOT CRAWFORDSVILLE DISTRICT	STERLING	L7500 SERIES	2003	103285	124147	6005	801400

64528	2FZHATAK03AL81314	800 INDOT LA PORTE DISTRICT	STERLING	L7500 SERIES	2003	94255	147379	9230	804300
64999	1HTWHAZT39J101808	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2009	142276	105590	5865	804400
64755	1HTWDAZR48J696148	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	SA1	2008	122675.45	160040	8374	804200
65301	2FZHATAK43AL81316	800 INDOT SEYMOUR DISTRICT	STERLING	L7500 SERIES	2003	94255	186191	9126	805300
63658	2FZAATAK84AM76464	800 INDOT GREENFIELD DISTRICT	STERLING	L7500 SERIES	2004	86055	109386	8220	803100
63038	3BKBL20X4BF295557	800 INDOT GREENFIELD DISTRICT	KENWORTH	T440	2011	161044.6	105744	8329	803100
64610	3HTWDAAR07N496701	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	110885	125651	10282	804100
62640	1HTWDAZR38J696139	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	SA1	2008	155880	144557	3580	802600
65169	2FZHATAK52AJ54411	800 INDOT GREENFIELD DISTRICT	STERLING	L7500 SERIES	2002	94255	173106	19606	803100
64634	1HTWHAAT97J496781	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	119793	145513	8436	804700
64665	1HTWHAAT27J496783	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	119793	175425	8605	804200
64398	1HTWDAAR17J454198	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	110885	111897	8017	804300
64676	1HTWHAATX7J496787	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	119793	187118	8268	804200
64718	1NKBLN0X6CJ323296	800 INDOT LA PORTE DISTRICT	KENWORTH	T470	2012	131970	82582	4114	804400
61590	3HTWDAARX7N496771	800 INDOT CRAWFORDSVILLE DISTRICT	INTERNATIONAL	7400	2007	110000	123285	7499	801100
63347	1FVHC3BS2BHAY6501	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	M2 106	2011	133445	88001	5271	803100
62238	2FZAATDC76AW27379	800 INDOT FORT WAYNE DISTRICT	STERLING	L7500 SERIES	2006	119600	101294	6330	802500

64678	2FZAATAK04AM76443	800 INDOT LA PORTE DISTRICT	STERLING	L7500 SERIES	2004	86055	143333	9093	804400
63941	1HTWGAZT28J698127	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	TA1	2008	133855	114151	3634	803300
63620	1FVHC3BS9BHAY6494	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	M2 106	2011	133445	78890	4477	803300
61962	1FVHC3BS5BHAY6489	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	M2 106	2011	133445	91619	4599	801100
63348	1FVHC3BS1BHAY6506	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	M2 106	2011	133445	99112	7084	803100
64565	3HTWDAAR27N496697	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	110885	131193	8496	804300
64930	1FVHC3BS1BHAY6473	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	M2 106	2011	133444.74	114146	5947	804100
63459	2FZAATAK33AK85100	800 INDOT GREENFIELD DISTRICT	STERLING	L7500 SERIES	2003	86055	122365	10030	803100
62275	2FZHATDC76AU95108	800 INDOT FORT WAYNE DISTRICT	STERLING	L7500 SERIES	2006	128370	147842	7258	802300
63780	1HTWDAAR07J454161	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2007	110534	134787	9682	803100
64939	1HTWHAZT19J101810	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2009	152735	114549	6139	804100
64683	2FZAATAK24AM76444	800 INDOT LA PORTE DISTRICT	STERLING	L7500 SERIES	2004	86055	124946	12581	804700
64747	2FZHATAK04AM76523	800 INDOT LA PORTE DISTRICT	STERLING	L7500 SERIES	2004	103285	166239	8666	804600
64618	2FZHATDC85AV03408	800 INDOT LA PORTE DISTRICT	STERLING	L7500 SERIES	2005	105905	132700	6659	804700

64877	1FVHC3BS5BHAY6475	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	M2 106	2011	133444.61	109690	4979	804200
63728	1FVHC3BS5BHAY6492	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	M2 106	2011	133445	86484	4320	803200
64607	2FZAATDC85AU94968	800 INDOT LA PORTE DISTRICT	STERLING	L7500 SERIES	2005	88408	108615	10413	804700
65163	2FZAATAK02AJ54432	800 INDOT LA PORTE DISTRICT	STERLING	L7500 SERIES	2002	86055	94442	9521	804200
65810	2FZHATAK34AM76502	800 INDOT SEYMOUR DISTRICT	STERLING	L7500 SERIES	2004	94255	158370	9053	805500
65022	2FZHAJBB9YAF91715	800 INDOT CRAWFORDSVILLE DISTRIC	STERLING	L7500	2000	82733	171638	11031	801300
63717	1FVHC3BS3BHAY6491	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	M2 106	2011	133445	78723	4929	803500
62795	1FVHC3BS9BHAY6463	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	M2 106	2011	133445	103882	4965	802600
61069	2FZAATDC15AU94973	800 INDOT CRAWFORDSVILLE DISTRIC	STERLING	L7500 SERIES	2005	88408	131381	8241	801400
63028	3BKBL20X1BF295550	800 INDOT GREENFIELD DISTRICT	KENWORTH	T440	2011	161044.6	89818	6876	803100
61593	3HTWDAAR57N496743	800 INDOT CRAWFORDSVILLE DISTRIC	INTERNATIONAL	7400	2007	110000	98876	5434	801100
64660	1HTWHAAT47J454194	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	119793	194690	8607	804200
64396	1HTWDAAR87J424311	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	110885	110174	9887	804600
61498	1FVHC3BS3BHAY6507	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	M2 106	2011	133445	80079	4104	801100
63432	1FVHC3BS4BHAY6497	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	M2 106	2011	133445	113752	5044	803600

64775	1HTWHAZT68J696118	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	TA1	2008	143620	150438	7148	804100
63029	3BKBL20X3BF295551	800 INDOT GREENFIELD DISTRICT	KENWORTH	T440	2011	161044.6	97069	6259	803100
63701	1HTWGAAT67J454152	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2007	119442	128597	7638	803100
64737	1NKBLNOXCJ323293	800 INDOT LA PORTE DISTRICT	KENWORTH	T470	2012	131970	91355	4519	804100
62613	1HTWDAZR88J696136	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	SA1	2008	155880	128516	5970	802200
61331	1HTWHAAT17J496791	800 INDOT CRAWFORDSVILLE DISTRICT	INTERNATIONAL	7400	2007	118908	135715	6365	801300
63133	1FVHG5BS1DHFD8954	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	153755.04	83499	3055	802300
64918	1FVHC3BS8BHAY6485	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	M2 106	2011	133445	130128	6866	804200
63480	2FZHATAKX3AL81322	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2003	94255	154056	10922	806100
63575	3HTWGAAT47N496798	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2007	122192	137717	8496	803300
64940	1HTWHAZT39J101811	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2009	152735	81864	30024	804700
65894	1FDYN80F6WVA27038	800 INDOT CRAWFORDSVILLE DISTRICT	FORD	L8501	1998	66390	168520	9999	801200
63698	1HTWGAAT27J454150	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2007	119442	153687	10082	803300
63715	1FVHC3BS1BHAY6490	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	M2 106	2011	133445	97623	6264	803100
63690	1HTWGAAT67J454149	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2007	119442	165327	9173	803200

63677	1HTWGAAT47J454148	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2007	119442	115813	6064	803500
63537	3HTWDAAR17N496738	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2007	111419	116339	7455	803500
66858	1HTWHAZT48J696117	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2008	158325	82840	4095	806100
62085	1HTWHAZT59J101809	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	4300	2009	169945	92179	3652	802200
62057	1HTWHAZT89J101805	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	4300	2009	169945	82313	1718	802300
63140	1FVHG5BS4DHFD8950	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	153455.04	91882	4747	802500
65162	2FZAATAK92AJ54431	800 INDOT SEYMOUR DISTRICT	STERLING	L7500 SERIES	2002	86055	105157	6935	805200
62016	1FVHG5BS9DHFD8989	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	149687.51	79703	4701	802500
63935	1HTWGAZT08J698126	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	TA1	2008	133855	162819	10420	803100
64703	1NKBLN0X3CJ323269	800 INDOT LA PORTE DISTRICT	KENWORTH	T470	2012	131970	80728	3879	804400
63252	3HTWDAAR47N496734	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2007	111419	138528	11169	803100
65805	2FZAATAK34AM76453	800 INDOT SEYMOUR DISTRICT	STERLING	L7500 SERIES	2004	86055	148985	8743	805300
64574	3HTWDAAR97N496700	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	110885	79159	7757	804700
65314	1HTWDAAR27J454176	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	7400	2007	139327	81300	6240	805200
64675	1HTWHAAT87J454196	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	119793	101696	8243	804700

61574	3HTWDAARX7N496768	800 INDOT CRAWFORDSVILLE DISTRICT	INTERNATIONAL	7400	2007	110000	112395	6205	801500
64100	1FVHG5BS7DHFD8974	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	153455.04	104402	5847	802200
61748	1HTWDAAR57J454186	800 INDOT CRAWFORDSVILLE DISTRICT	INTERNATIONAL	7400	2007	110000	96858	5733	801200
62240	2FZAATDC56AW27381	800 INDOT FORT WAYNE DISTRICT	STERLING	L7500 SERIES	2006	131100	170959	8823	802200
66022	2FZHATAK41AF91785	800 INDOT CRAWFORDSVILLE DISTRICT	STERLING	L7500	2001	91406	107397	5997	801400
64604	2FZAATDC65AU94967	800 INDOT LA PORTE DISTRICT	STERLING	L7500 SERIES	2005	88408	146994	9089	804700
63684	2FZHATAK64AM76509	800 INDOT GREENFIELD DISTRICT	STERLING	L7500	2004	94255	167625	8646	803600
64166	1FVHG5BS9DHFD8992	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2013	153755.04	103423	5957	804400
65606	1HTWDAZR08J696132	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	SA1	2008	91885	128047	9313	805500
64780	2FZHATAK64AM76526	800 INDOT LA PORTE DISTRICT	STERLING	L7500 SERIES	2004	103285	145666	9682	804700
61132	2FZAATAK13AL81257	800 INDOT CRAWFORDSVILLE DISTRICT	STERLING	L7500 SERIES	2003	86055	116530	6580	801200
63754	1HTWDAAR97J454157	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2007	110534	132752	10277	803100
63081	1NKBLN0X6CJ323282	800 INDOT GREENFIELD DISTRICT	KENWORTH	T470	2012	131970	84531	4249	803100
65289	2FZAATAK73AK85102	800 INDOT SEYMOUR DISTRICT	STERLING	L7500 SERIES	2003	86055	163178	10243	805200
63616	3HTWGAAT67N496799	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2007	122192	122008	6172	803600
63045	3BKBL20X4BF295560	800 INDOT GREENFIELD DISTRICT	KENWORTH	T440	2011	161044.6	95050	7903	803100

64922	1FVHC3BS3BHAY6510	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	M2 106	2011	133445	96204	5269	804700
64929	1FVHC3BS7BHAY6509	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	M2 106	2011	133445	85899	5180	804700
66803	1HTWHAAT37J496792	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2007	120327	105629	5084	806100
66279	2FZHATAK54AM76503	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2004	94255	119574	6711	806100
62001	1FVHG5BS3DHFD8972	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	153455.04	97757	5500	802200
64165	1FVHG5BS8DHFD8949	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2013	153755.04	106742	5891	804400
65392	3HTWDAAR37N496711	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	7400	2007	111419	99665	8320	805200
63443	2FZHATDC35AU95038	800 INDOT GREENFIELD DISTRICT	STERLING	L7500 SERIES	2005	96550	136239	7085	803300
65290	2FZAATAK33AL81261	800 INDOT SEYMOUR DISTRICT	STERLING	L7500 SERIES	2003	86055	111873	8292	805200
63472	2FZAATAK13AL81274	800 INDOT GREENFIELD DISTRICT	STERLING	L7500 SERIES	2003	86055	173543	11722	803500
61288	2FZAATDC95AU94977	800 INDOT CRAWFORDSVILLE DISTRICT	STERLING	L7500 SERIES	2005	88408	109390	10289	801500
63468	2FZHATDC95AU95044	800 INDOT GREENFIELD DISTRICT	STERLING	L7500 SERIES	2005	96550	175643	8415	803600
63430	1FVHC3BS6BHAY6484	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	M2 106	2011	133445	110307	5246	803600
64916	1FVHC3BS8BHAY6468	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	M2 106	2011	133445	142004	7412	804200
61563	1HTWHAZT49J101798	800 INDOT CRAWFORDSVILLE DISTRICT	INTERNATIONAL	7400	2009	131311.76	119630	5188	801300

64073	1FVHG5BS8DHF8983	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	153455.04	104514	5464	802500
66159	2FZAATAK82AJ54436	800 INDOT CRAWFORDSVILLE DISTRIC	STERLING	L7500 SERIES	2002	86055	96693	6305	801300
65596	1HTWDAZR38J696125	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	SA1	2008	91885	90249	3226	805300
61584	1HTWDAZR99J101165	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	7400	2009	121956.76	104826	7435	805100
66512	1HTWDAAR57J454172	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2007	112750	105563	5864	806100
64414	3HTWDAAR37N496773	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	110885	150065	9939	804200
63296	3HTWDAAR67N496735	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2007	111419	167846	2130	803100
62373	2FZHATAK24AM76491	800 INDOT FORT WAYNE DISTRICT	STERLING	L7500 SERIES	2004	94255	138688	5876	802300
64768	1HTWDAZR18J696155	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	SA1	2008	122675.45	82971	8523	804700
65448	2FZAATDC95AU94980	800 INDOT SEYMOUR DISTRICT	STERLING	L7500 SERIES	2005	88408	110310	8009	805200
62234	2FZAATDC36AW27377	800 INDOT FORT WAYNE DISTRICT	STERLING	L7500 SERIES	2006	119600	131537	10513	802500
63022	3BKBL20X8BF295545	800 INDOT VINCENNES DISTRICT	KENWORTH	T440	2011	161044.6	52975	3212	803100
65019	2FZHJBB5YAF91713	800 INDOT CRAWFORDSVILLE DISTRIC	STERLING	L7500	2000	82733	130128	7755	801300
63669	2FZAATAK34AM76467	800 INDOT GREENFIELD DISTRICT	STERLING	L7500 SERIES	2004	86055	171338	11034	803600
64778	1HTWHAZT88J696122	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	TA1	2008	131720	119201	9819	804100
61573	3HTWDAAR67N496721	800 INDOT CRAWFORDSVILLE DISTRIC	INTERNATIONAL	7400	2007	110000	122426	8110	801400
66843	1HTWDAAR87J454165	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2007	112750	94450	5949	806100
65318	1HTWDAAR47J454177	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	7400	2007	139327	143685	8346	805300

62811	1FVHC3BS0BHAY6514	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	M2 106	2011	133445	117740	337	802200
66634	1HTWDAZR78J696144	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	SA1	2008	144360	63476	8387	806300
61782	1FVHC3BSXBHAY6486	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	M2 106	2011	133445	111165	6556	801400
61487	1FVHC3BSXBHAY6469	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	M2 106	2011	133445	90009	5336	801200
63419	1FVHC3BS5BHAY6508	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	M2 106	2011	133445	84521	4632	803600
65083	2FZAATAK91AH90381	800 INDOT LA PORTE DISTRICT	STERLING	L7500	2001	82733	158702	11616	804700
66283	2FZHATAK24AM76507	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2004	94255	105797	5389	806600
64661	2FZAATAK74AM76438	800 INDOT LA PORTE DISTRICT	STERLING	L7500 SERIES	2004	86055	200689	10312	804200
61061	2FZAATDC85AU94971	800 INDOT CRAWFORDSVILLE DISTRICT	STERLING	L7500 SERIES	2005	88408	149236	8599	801300
66816	1HTWHAZT98J696114	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2008	158325	87628	5433	806400
61681	1HTWHAZT88J696105	800 INDOT CRAWFORDSVILLE DISTRICT	INTERNATIONAL	TA1	2008	130650	87890	5089	801100
65291	2FZAATAK53AL81262	800 INDOT SEYMOUR DISTRICT	STERLING	L7500 SERIES	2003	86055	190179	8943	805300
63032	3BKBL20X9BF295554	800 INDOT GREENFIELD DISTRICT	KENWORTH	T440	2011	161044.6	106691	7616	803100
61068	2FZAATDCX5AU94972	800 INDOT CRAWFORDSVILLE DISTRICT	STERLING	L7500 SERIES	2005	88408	133940	10498	801500
64758	1HTWDAZR48J696151	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	SA1	2008	122675.45	143985	9501	804300

66423	2FZHATDC45AU95047	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2005	96550	90809	4397	806600
66228	2FZHATAK02AJ54414	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2002	94255	32416	1491	806500
65608	1HTWHAZT78J685046	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	TA1	2008	131170	112354	5811	805300
65604	1HTWDAZR78J696130	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	SA1	2008	91885	108835	6977	805500
61290	1HTWHAAT17J496788	800 INDOT CRAWFORDSVILLE DISTRIC	INTERNATIONAL	7400	2007	118908	116682	6445	801400
65161	2FZAATAK72AJ54430	800 INDOT LA PORTE DISTRICT	STERLING	L7500 SERIES	2002	86055	110379	6615	804700
65807	2FZHATAK74AM76499	800 INDOT SEYMOUR DISTRICT	STERLING	L7500 SERIES	2004	94255	148679	7940	805200
63477	2FZAATAK73AL81277	800 INDOT GREENFIELD DISTRICT	STERLING	L7500 SERIES	2003	86055	167135	9321	803600
62796	1FVHC3BSXBHAY6472	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	M2 106	2011	133445	102288	5488	802600
66317	3HTWDAARX7N496723	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2007	110542	133345	7080	806100
64004	1HTWDAZR39J101825	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2009	121956.76	153711	8786	804990
62345	2FZAATAK74AM76486	800 INDOT FORT WAYNE DISTRICT	STERLING	L7500 SERIES	2004	95085	169611	10619	802300
65283	2FZAATAK03AK78282	800 INDOT SEYMOUR DISTRICT	STERLING	L7500 SERIES	2003	86055	172324	10828	805100
65311	1HTWHAAT97J454174	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	7400	2007	150283	96943	5454	805500
64048	2FZHATDC35AU95055	800 INDOT LA PORTE DISTRICT	STERLING	L7500 SERIES	2005	106583	86251	7118	804700
65804	2FZAATAK14AM76452	800 INDOT SEYMOUR DISTRICT	STERLING	L7500 SERIES	2004	86055	197479	3039	805300
65449	2FZAATDC05AU94981	800 INDOT SEYMOUR DISTRICT	STERLING	L7500 SERIES	2005	88408	107348	7062	805300
65322	1HTWDAAR87J454179	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	7400	2007	139327	146829	7795	805500

64972	1HTWHAZT29J101816	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2009	131126	103972	6465	804100
61185	2FZAATAK14AM20382	800 INDOT CRAWFORDSVILLE DISTRIC	STERLING	L7500 SERIES	2004	86055	129437	7743	801500
62727	1FVHC3BS2BHAY6465	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	M2 106	2011	133445.26	80292	4429	802300
64969	1NKBLN0X7CJ323274	800 INDOT LA PORTE DISTRICT	KENWORTH	T470	2012	131970	93974	4591	804200
63716	1FVHC3BS1BHAY6487	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	M2 106	2011	133445	78346	4034	803500
61365	1NKBLN0X7CJ323288	800 INDOT CRAWFORDSVILLE DISTRIC	KENWORTH	T470	2012	131970	48563	2041	801100
64520	2FZHATAK53AL81308	800 INDOT LA PORTE DISTRICT	STERLING	L7500 SERIES	2003	94255	191429	10043	804100
62333	1HTWDAAR27J454145	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	7400	2007	149058	138707	9729	802300
63018	3BKBL20X6BF295544	800 INDOT GREENFIELD DISTRICT	KENWORTH	T440	2011	161044.6	85100	4893	803100
66639	1HTWDAZR98J696145	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	SA1	2008	144360	70073	5806	806400
63031	3BKBL20X7BF295553	800 INDOT GREENFIELD DISTRICT	KENWORTH	T440	2011	161044.6	82713	5791	803100
61685	1HTWHAZT58J696109	800 INDOT CRAWFORDSVILLE DISTRIC	INTERNATIONAL	TA1	2008	141800	94924	4445	801200
62947	1FVHG5BS9DHFD8975	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	153755.04	105254	6383	802200
62954	1FVHG5BS9DHFD8958	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	153455.04	88561	4972	802500
64680	1HTWDAAR87J454201	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	110885	100915	9939	804700

64757	1HTWDAZR28J696150	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	SA1	2008	122675.45	125798	4745	804400
61673	1FVHC3BS6BHAY6498	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	M2 106	2011	133445	81881	4406	801400
64818	1HTWHAZT0EH770247	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2014	154337.25	91157	6200	804700
65809	2FZHATAK14AM76501	800 INDOT SEYMOUR DISTRICT	STERLING	L7500 SERIES	2004	94255	184292	9992	805500
66286	1HTWDAAR37J454168	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2007	112750	83414	7727	806600
64662	2FZAATAK94AM76439	800 INDOT LA PORTE DISTRICT	STERLING	L7500 SERIES	2004	86055	187581	13239	804100
63086	1NKBLN0XCJ323285	800 INDOT GREENFIELD DISTRICT	KENWORTH	T470	2012	131970	82093	5221	803100
65603	1HTWDAZR08J696129	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	SA1	2008	91885	125595	7242	805400
61746	1HTWDAAR17J454184	800 INDOT CRAWFORDSVILLE DISTRICT	INTERNATIONAL	7400	2007	110000	114121	6480	801400
63975	1HTWDAZR48J696165	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	SA1	2008	124685	105679	6054	803500
61108	2FZAATAKX3AK78273	800 INDOT CRAWFORDSVILLE DISTRICT	STERLING	L7500 SERIES	2003	86055	113405	7148	801300
61804	1FVHC3BS8BHAY6471	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	M2 106	2011	133445	80318	4190	801500
63970	1HTWDAZR08J696163	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	SA1	2008	124685	120106	8890	803200
65450	2FZAATDC25AU94982	800 INDOT SEYMOUR DISTRICT	STERLING	L7500 SERIES	2005	88408	101844	1056	805500
61111	2FZAATAK33AK78275	800 INDOT CRAWFORDSVILLE DISTRICT	STERLING	L7500 SERIES	2003	86055	163800	10970	801300
63952	1HTWDAZR78J696158	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	SA1	2008	124685	119766	7788	803200
61753	1HTWDAAR97J454191	800 INDOT CRAWFORDSVILLE DISTRICT	INTERNATIONAL	7400	2007	110000	111640	6501	801200
61329	1HTWHAATX7J496790	800 INDOT CRAWFORDSVILLE DISTRICT	INTERNATIONAL	7400	2006	118908	111580	6543	801100

62391	2FZHATAK84AM76494	800 INDOT FORT WAYNE DISTRICT	STERLING	L7500 SERIES	2004	94255	163320	8742	802300
61316	1FVHC3BS3BHAY6460	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	M2 106	2011	133445	110768	6266	801100
64671	2FZAATAK94AM76442	800 INDOT LA PORTE DISTRICT	STERLING	L7500 SERIES	2004	86055	206441	6391	804100
66518	1HTWDAAR77J454173	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2007	112750	99875	56674	806600
61784	1FVHC3BS5BHAY6458	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	M2 106	2011	133445	73540	3732	801100
61341	2FZHATDCX5AU95036	800 INDOT CRAWFORDSVILLE DISTRICT	STERLING	L7500 SERIES	2005	96550	153065	8357	801200
63757	2FZHATAK14AM76532	800 INDOT GREENFIELD DISTRICT	STERLING	L7500 SERIES	2004	103285	147225	8007	803500
65377	1FVHC3BS6BHAY6517	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	M2 106	2011	133445	70272	4032	805200
64748	1HTWDAZR08J696146	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	SA1	2008	122675.45	119238	7609	804100
62893	1NKBLN0X3CJ323255	800 INDOT FORT WAYNE DISTRICT	KENWORTH	T470	2012	131970	85552	4120	802500
61133	2FZAATAK33AL81258	800 INDOT CRAWFORDSVILLE DISTRICT	STERLING	L7500 SERIES	2003	86055	147948	10415	801200
62452	1NKBLN0X9CJ323289	800 INDOT FORT WAYNE DISTRICT	KENWORTH	T470	2012	131970	92490	3930	802300
66841	1HTWHAAT47J454163	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2007	121658	99036	5541	806100
62051	1HTWHAZT49J101803	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	4300	2009	169945	106273	2264	802300
61708	1FVHC3BS3BHAY6474	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	M2 106	2011	133445	89945	4645	801200

62879	1NKBLN0X6CJ323279	800 INDOT FORT WAYNE DISTRICT	KENWORTH	T470	2012	131970	84555	3490	802300
63755	1HTWDAAR07J454158	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2007	110534	126070	7857	803200
63671	1HTWGAAT27J454147	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2007	119442	125823	6756	803600
61021	2FZAATAK72AJ54427	800 INDOT CRAWFORDSVILLE DISTRIC	STERLING	L7500 SERIES	2002	86055	83042	6835	801100
63718	1FVHC3BS3BHAY6488	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	M2 106	2011	133445	74012	4199	803500
65293	2FZAATAK93AL81264	800 INDOT SEYMOUR DISTRICT	STERLING	L7500 SERIES	2003	86055	184208	10440	805400
64897	1HTWHAZT4EH770252	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2014	154337.25	84377	4660	804300
63670	2FZAATAK54AM76468	800 INDOT GREENFIELD DISTRICT	STERLING	L7500 SERIES	2004	86055	154777	7795	803600
64707	1NKBLN0X5CJ323287	800 INDOT LA PORTE DISTRICT	KENWORTH	T470	2012	131970	101112	4801	804100
61803	1FVHC3BS8BHAY6504	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	M2 106	2011	133445	94559	4888	801500
63664	2FZAATAK14AM76466	800 INDOT GREENFIELD DISTRICT	STERLING	L7500 SERIES	2004	86055	148626	12857	803300
64278	1FVHG5BS6DHFD8979	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	153455.04	113839	5785	802200
63623	3HTWGAAT97N496800	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2007	122192	145328	8140	803200
66481	3HTWDAAR47N496703	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2007	110542	83990	5190	806300
65304	2FZHATAK83AL81318	800 INDOT SEYMOUR DISTRICT	STERLING	L7500 SERIES	2003	94255	129924	7370	805500
62336	2FZAATAK34AM76484	800 INDOT FORT WAYNE DISTRICT	STERLING	L7500 SERIES	2004	95085	142813	9159	802300

61129	2FZAATAK63AL81254	800 INDOT CRAWFORDSVILLE DISTRIC	STERLING	L7500 SERIES	2003	86055	96422	7953	801100
63663	2FZAATAKX4AM76465	800 INDOT GREENFIELD DISTRICT	STERLING	L7500 SERIES	2004	86055	118378	9408	803300
65802	2FZAATAK84AM76450	800 INDOT SEYMOUR DISTRICT	STERLING	L7500 SERIES	2004	86055	138601	11777	805100
65292	2FZAATAK73AL81263	800 INDOT LA PORTE DISTRICT	STERLING	L7500 SERIES	2003	86055	166112	10262	804700
63751	1HTWDAAR77J454156	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2007	110534	145398	11204	803200
64226	1FVHG5BS9DHF8961	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	149687.51	115866	5291	802200
66628	1HTWDAZR38J696142	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	SA1	2008	144360	79010	4350	806300
61752	1HTWDAAR77J454190	800 INDOT CRAWFORDSVILLE DISTRIC	INTERNATIONAL	7400	2007	110000	141155	8697	801300
65313	1HTWDAAR07J454175	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	7400	2007	139327	135394	8430	805300
62558	1NKBLN0X5CJ323290	800 INDOT FORT WAYNE DISTRICT	KENWORTH	T470	2012	131970	105451	4409	802300
66983	1FVHC3BS4BHAY6516	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	M2 106	2011	133445	67925	3397	806100
62932	1FVHG5BS0DHF8962	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	153455.04	89808	4446	802600
63778	1HTWDAAR27J454159	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2007	110534	99313	6637	803600
64966	1FVHG5BS6DHF8948	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2013	153755.04	124491	7283	804100
64959	1HTWHAZT79J101813	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2009	131126	143723	5723	804300

66894	1FVHC3BSXBHAY6519	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	M2 106	2011	133445	47407	2030	806600
64096	1FVHG5BS2DHFD9000	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2013	153755.04	98202	6037	804400
65319	1HTWDAAR67J454178	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	7400	2007	139327	95551	7754	805400
65398	3HTWDAAR77N496713	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	7400	2007	111419	113460	6526	805500
66417	2FZAATDCX5AU94986	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2005	88408	55413	3986	806300
61591	3HTWDAAR87N496722	800 INDOT CRAWFORDSVILLE DISTRIC	INTERNATIONAL	7400	2007	110000	97504	5190	801200
66818	1HTWHAZT09J101801	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2009	130835	73885	3600	806100
64779	1HTWHAZT88J696119	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	TA1	2008	131720	94202	5598	804700
64875	1FVHC3BS6BHAY6467	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	M2 106	2011	133445	97299	6223	804100
63657	2FZAATAK64AM76463	800 INDOT GREENFIELD DISTRICT	STERLING	L7500 SERIES	2004	86055	138138	9780	803500
62157	1HTGRSJT8EH791236	800 INDOT FORT WAYNE DISTRICT	INTERNATIONAL	7400	2014	186593.79	63867	2895	802200
64766	1HTWDAZR8J696154	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	SA1	2008	122675.45	158299	7705	804100
63329	1HTWDAZR69J101821	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2009	121956.76	128688	9857	803100
65097	1FVHC3BSXBHAY6505	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	M2 106	2011	133445	90398	4588	805100
63962	1HTWDAZR78J696161	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	SA1	2008	124685	77340	1617	803600
63407	3HTWDAAR87N496736	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2007	111419	130022	8715	803300
65597	1HTWDAZR58J696126	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	SA1	2008	91885	79328	5437	805300

62872	1FVHG5BS8DHF8997	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2013	141231.51	84270	4255	801500
61682	1HTWHAZTX8J696106	800 INDOT CRAWFORDSVILLE DISTRIC	INTERNATIONAL	TA1	2008	130650	110798	5915	801500
64761	1HTWDAZR68J696152	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	SA1	2008	122675.45	153573	6879	804300
62931	1FVHG5BSXDHF8967	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	153455.04	109027	5753	802500
62915	1FVHG5BS0DHF8976	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2013	141231.51	78430	1896	801200
63971	1HTWDAZR28J696164	800 INDOT GREENFIELD DISTRIC	INTERNATIONAL	SA1	2008	124685	92492	5223	803500
66424	2FZHATDC65AU95034	800 INDOT VINCENNES DISTRIC	STERLING	L7500 SERIES	2005	96550	95649	5009	806500
64222	1FVHG5BS5DHF8973	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2013	153755.04	85576	5215	804400
66842	1HTWDAAR67J454164	800 INDOT VINCENNES DISTRIC	INTERNATIONAL	7400	2007	112750	67470	3206	806500
66823	1HTWHAZT28J696116	800 INDOT VINCENNES DISTRIC	INTERNATIONAL	7400	2008	158325	60568	3280	806500
64753	1HTWDAZR28J696147	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	SA1	2008	122675.45	117649	11148	804700
66186	2FZAATAK54AM20384	800 INDOT VINCENNES DISTRIC	STERLING	L7500 SERIES	2004	86055	86304	6367	806400
62316	1NKBLN0XCJ323276	800 INDOT FORT WAYNE DISTRICT	KENWORTH	T470	2012	131970	73858	3305	802300
65803	2FZAATAKX4AM76451	800 INDOT SEYMOUR DISTRIC	STERLING	L7500 SERIES	2004	86055	19450	2025	805200
64953	1HTWHAZT8EH770254	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2014	154337.25	64570	3676	804100
61258	2FZAATAKX4AM76448	800 INDOT CRAWFORDSVILLE DISTRIC	STERLING	L7500 SERIES	2004	86055	116496	7762	801400

63709	2FZHATAK34AM76533	800 INDOT GREENFIELD DISTRICT	STERLING	L7500 SERIES	2004	94255	153643	8974	803300
64110	1FVHG5BS6DHFD8996	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2013	153755.04	109592	7059	804100
66135	2FZAATAK43AL81267	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2003	86055	79765	6326	806300
61829	1FVHC3BS2BHAY6515	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	M2 106	2011	133445	90542	5036	801500
63035	3BKBL20X0BF295555	800 INDOT GREENFIELD DISTRICT	KENWORTH	T440	2011	161044.6	90321	6886	803100
64024	1FVHG5BS2DHFD8980	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2013	153755.04	100759	45699	804100
64921	1FVHC3BS0BHAY6464	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	M2 106	2011	133445	87814	5739	804700
66967	1HTWDAARX7J454166	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2007	112750	95386	5955	806400
64708	1NKBLN0X4CJ323295	800 INDOT LA PORTE DISTRICT	KENWORTH	T470	2012	131970	82831	3734	804600
65594	1HTWDAZR8J696123	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	SA1	2008	91885	61440	3936	805200
63954	1HTWDAZR98J696159	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	SA1	2008	124685	111147	7753	803100
63949	1FVHC3BS8BHAY6518	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	M2 106	2011	133445	110131	5212	803200
62314	1NKBLN0X6CJ323265	800 INDOT FORT WAYNE DISTRICT	KENWORTH	T470	2012	131970	75257	2726	802300
61911	1FVHC3BS7BHAY6459	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	M2 106	2011	133445	87158	5149	801500

65400	3HTWDAAR97N496714	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	7400	2007	111419	118790	8450	805500
61137	2FZAATAK13AL81260	800 INDOT CRAWFORDSVILLE DISTRIC	STERLING	L7500 SERIES	2003	86055	159934	9808	801500
65397	3HTWDAAR57N496712	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	7400	2007	111419	85246	5385	805400
63132	1FVHG5BS2DHFD8946	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2013	141231.51	65602	3794	803500
61977	2FZAATAK81AH90369	800 INDOT CRAWFORDSVILLE DISTRIC	STERLING	L7500	2001	82733	86088	7252	801100
61352	1NKBLN0X8CJ323283	800 INDOT VINCENNES DISTRICT	KENWORTH	T470	2012	131970	57742	1882	806600
66415	2FZAATDC65AU94984	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2005	88408	74778	3805	806600
66384	3HTWDAAR97N496776	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2007	110542	64539	4566	806500
63554	3HTWDAAR37N496739	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2007	111419	119897	6806	803600
64970	1NKBLN0X5CJ323256	800 INDOT LA PORTE DISTRICT	KENWORTH	T470	2012	131970	82633	2802	804700
66138	2FZAATAK43AL81270	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2003	86055	75087	5342	806400
64078	1FVHG5BS4DHFD8995	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2013	153755.04	86930	5174	804400
63748	1HTWDAAR57J454155	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2007	110534	137872	8802	803300
64159	1FVHG5BS2DHFD8963	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2013	153755.04	108333	5315	804300
63635	1FVHC3BS4BHAY6483	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	M2 106	2011	133445	94148	4639	803300
64099	1FVHG5BS0DHFD8993	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	153755.04	66093	3391	802300

65599	1HTWDAZR78J696127	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	SA1	2008	91885	136697	7748	805400
61802	1FVHC3BS9BHAY6477	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	M2 106	2011	133445	96803	5244	801500
62905	1FVHG5BS6DHFD8951	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	149687.51	54409	2881	802300
65333	3HTWDAAR57N496693	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	7400	2007	110534	145484	8753	805100
64732	1NKBLN0X9CJ323258	800 INDOT LA PORTE DISTRICT	KENWORTH	T470	2012	131970	88291	4449	804100
62888	1FVHG5BS1DHFD8999	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	149687.51	86150	4368	802500
63473	2FZAATAK33AL81275	800 INDOT GREENFIELD DISTRICT	STERLING	L7500 SERIES	2003	86055	140700	9139	803300
62436	1NKBLN0X3CJ323286	800 INDOT FORT WAYNE DISTRICT	KENWORTH	T470	2012	131970	88614	3675	802300
62889	1FVHG5BS1DHFD8940	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	149687.51	114029	5785	802200
66277	2FZAATAK24AM76461	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2004	86055	96509	5712	806600
63721	1FVHC3BS8BHAY6499	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	M2 106	2011	133445	86060	4515	803200
62313	1NKBLN0X0CJ323262	800 INDOT FORT WAYNE DISTRICT	KENWORTH	T470	2012	131970	106811	4797	802200
66840	1HTWHAAT27J454162	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2007	121658	78580	3974	806600
65299	2FZAATAK03AL81265	800 INDOT SEYMOUR DISTRICT	STERLING	L7500 SERIES	2003	86055	113995	9243	805400
65408	3HTWDAAR17N496772	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	7400	2007	113284	116836	7978	805100

66460	1HTWDAAR57J454169	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2007	112750	71500	4751	806300
65806	2FZAATAK54AM76454	800 INDOT SEYMOUR DISTRICT	STERLING	L7500 SERIES	2004	86055	139040	10886	805500
63622	1FVHC3BS9BHAY6480	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	M2 106	2011	133445	88419	4826	803300
66278	2FZAATAK44AM76462	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2004	86055	91854	5820	806600
62027	1FVHG5BS7DHFD8943	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	153755.04	97117	4814	802600
64956	1HTWDAAR97J454210	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	110885	192781	9519	804990
66422	2FZHATDC25AU95046	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2005	96550	96123	4944	806500
66134	2FZAATAK23AL81266	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2003	86055	95960	5673	806100
62018	1FVHG5BS1DHFD8985	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	153455.04	97862	4987	802300
61259	2FZAATAK14AM76449	800 INDOT CRAWFORDSVILLE DISTRIC	STERLING	L7500 SERIES	2004	86055	125706	4514	801500
66810	1HTWHAZT08J696115	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2008	158325	83324	4489	806600
66462	1HTWDAAR17J454170	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2007	112750	83192	5527	806600
61575	3HTWDAAR17N496769	800 INDOT CRAWFORDSVILLE DISTRIC	INTERNATIONAL	7400	2007	110000	100490	6472	801200
66280	2FZHATAK74AM76504	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2004	94255	87891	5531	806300
63078	1NKBLN0X1CJ323254	800 INDOT GREENFIELD DISTRICT	KENWORTH	T470	2012	131970	75705	3913	803300
61177	2FZAATDC55AU94975	800 INDOT CRAWFORDSVILLE DISTRIC	STERLING	L7500 SERIES	2005	88408	92769	6918	801400
66626	1HTWDAZR18J696141	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	SA1	2008	144360	70081	41657	806600

66316	3HTWDAAR77N496727	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2007	110542	118742	7485	806100
64467	3HTWDAAR57N496774	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	110885	98981	9759	804700
62885	1FVHG5BS1DHFD8968	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2013	141231.51	76477	3954	801400
63779	1HTWDAAR97J454160	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2007	110534	108893	5009	803500
65388	3HTWDAAR17N496710	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	7400	2007	111419	116778	7284	805400
61449	1NKBLN0XXCJ323270	800 INDOT CRAWFORDSVILLE DISTRIC	KENWORTH	T470	2012	131970	46274	1899	801100
63331	1HTWDAZR89J101822	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2009	121956.76	81362	5735	803500
64157	1FVHG5BS7DHFD8988	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	153455.04	91891	4483	802600
64882	1HTWHAZT2EH770251	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2014	154337.25	75911	4411	804100
64713	1NKBLN0X1CJ323271	800 INDOT LA PORTE DISTRICT	KENWORTH	T470	2012	131970	77660	4102	804300
66884	1FVHC3BS2BHAY6496	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	M2 106	2011	133445	49654	3310	806400
64879	1HTWHAZT4EH770249	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2014	154337.25	78286	4485	804400
61109	2FZAATDC35AU94974	800 INDOT CRAWFORDSVILLE DISTRIC	STERLING	L7500 SERIES	2005	88408	97538	2378	801100
65402	3HTWDAAR87N496767	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	7400	2007	111419	116775	7284	805400
61749	1HTWDAAR77J454187	800 INDOT CRAWFORDSVILLE DISTRIC	INTERNATIONAL	7400	2007	110000	111680	9114	801500
63024	3BKBL20X1BF295547	800 INDOT VINCENNES DISTRICT	KENWORTH	T440	2011	161044.6	57486	3255	803100

63044	3BKBL20X8BF295559	800 INDOT VINCENNES DISTRICT	KENWORTH	T440	2011	161044.6	56002	4135	803100
65601	1HTWDAZR98J696128	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	SA1	2008	91885	79618	4620	805500
65713	1FVHC3BS5BHAY6511	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	M2 106	2011	133445	66063	3522	805300
61978	2FZAATAK41AH90370	800 INDOT CRAWFORDSVILLE DISTRIC	STERLING	L7500	2001	82733	135226	8536	801300
64085	1FVHG5BS6DHFD8982	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	149687.51	85001	4726	802200
63306	1HTWHAZT69J101799	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2009	131126	127500	11751	803100
64720	1NKBLN0X7CJ323291	800 INDOT LA PORTE DISTRICT	KENWORTH	T470	2012	131970	87347	2257	804300
64128	1FVHG5BS5DHFD8956	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	153755.04	93110	4663	802300
64955	1HTWHAZTXEH770255	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2014	154337.25	82190	5571	804300
62021	1FVHG5BS6DHFD8965	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2013	141231.51	79958	4047	801500
65591	1HTWDAZR08J685146	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	SA1	2008	91885	102767	7361	805100
66395	3HTWDAAR27N496778	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2007	110542	77084	4526	806500
66346	3HTWDAAR17N496724	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2007	110542	70868	5425	806300
64731	1NKBLN0XXCJ323267	800 INDOT LA PORTE DISTRICT	KENWORTH	T470	2012	131970	87213	3896	804200
62914	1NKBLN0X4CJ323281	800 INDOT FORT WAYNE DISTRICT	KENWORTH	T470	2012	131970	86505	3984	802600

61572	3HTWDAAR47N496720	800 INDOT CRAWFORDSVILLE DISTRIC	INTERNATIONAL	7400	2007	110000	107528	6065	801400
61216	2FZAATDC75AU94976	800 INDOT CRAWFORDSVILLE DISTRIC	STERLING	L7500 SERIES	2005	88408	109108	8734	801500
64109	1FVHG5BS5DHFD8942	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2013	153755.04	86609	5285	804300
63964	1HTWDAZR98J696162	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	SA1	2008	124685	108219	6044	803600
64227	1FVHG5BS3DHFD8938	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2013	141231.51	100260	7853	804300
64101	1FVHG5BSXDHFD8953	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	153455.04	116551	5972	802200
62907	1FVHG5BS8DHFD8966	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	153455.04	93809	5790	802500
61558	3HTWDAAR67N496718	800 INDOT CRAWFORDSVILLE DISTRIC	INTERNATIONAL	7400	2007	110000	220595	6621	801500
64863	1NKBLN0X2CJ323263	800 INDOT LA PORTE DISTRICT	KENWORTH	T470	2012	131970	78429	3848	804100
65605	1HTWDAZR98J696131	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	SA1	2008	91885	92201	7171	805500
66764	3HTWDAAR07N496780	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2007	110542	81437	4305	806500
65593	1HTWDAZR28J685147	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	SA1	2008	91885	87920	6463	805200
64265	1FVHG5BS3DHFD8986	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2013	141231.51	102965	5413	801400
64710	1FVHG5BS0DHFD8945	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	149687.51	64625	3455	802300
65339	3HTWDAAR37N496708	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	7400	2007	110534	120485	8923	805100

64075	1FVHG5BS4DHFD8964	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2013	141231.51	70537	5492	806100
66282	2FZHATAK04AM76506	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2004	94255	110595	6468	806600
61369	1NKBLN0X4CJ323278	800 INDOT CRAWFORDSVILLE DISTRICT	KENWORTH	T470	2012	131970	91296	3611	801100
66272	2FZAATAK04AM76457	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2004	86055	85433	6176	806400
66137	2FZAATAK83AL81269	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2003	86055	79035	4872	806400
64965	1HTWHAZT1EH770256	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2014	154337.25	85952	4592	804600
64721	1NKBLN0X1CJ323268	800 INDOT LA PORTE DISTRICT	KENWORTH	T470	2012	131970	89635	3027	804200
66139	2FZAATAK63AL81271	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2003	86055	89852	5779	806500
61253	2FZHATAK74AM62442	800 INDOT CRAWFORDSVILLE DISTRICT	STERLING	L7500 SERIES	2004	103285	105701	8790	801100
64997	1HTWHAZT3EH770257	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2014	154337.25	84776	4474	804200
64155	1FVHG5BS2DHFD8977	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2013	153755.04	88724	6194	804700
66274	2FZAATAK24AM76458	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2004	86055	77495	4944	806400
66066	2FZAATAK43AK78284	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2003	86055	90051	6635	806300
65625	1HTWHAZT28J696102	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	7400	2007	131170	79046	4913	805400
63951	1HTWDAZR58J696157	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	SA1	2008	124685	109056	5423	803600
66385	3HTWDAAR07N496777	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2007	110542	71609	3973	806500
66363	3HTWDAAR37N496725	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2007	110542	80755	5496	806300

61450	1NKBLN0X9CJ323275	800 INDOT VINCENNES DISTRICT	KENWORTH	T470	2012	131970	52955	2359	806600
61756	1HTWHAAT87J454182	800 INDOT CRAWFORDSVILLE DISTRIC	INTERNATIONAL	7400	2007	118908	103412	5342	801400
64072	1FVHG5BS5DHFD8990	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2013	153755.04	100376	5851	804300
66258	2FZHATAK54M62441	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2004	94255	117142	5520	806300
64998	1FVHG5BS8DHFD8952	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2013	141231.51	75428	6074	806500
66140	2FZAATAK83AL81272	800 INDOT CRAWFORDSVILLE DISTRIC	STERLING	L7500 SERIES	2003	86055	96787	6408	801200
66652	1NKBLN0X9CJ323292	800 INDOT VINCENNES DISTRICT	KENWORTH	T470	2012	131970	55917	1760	806300
62962	1FVHG5BS7DHFD8957	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	149687.51	96688	5139	802500
64081	1HTWDAZR59J101826	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2009	121956.76	127473	9740	804700
62904	1FVHG5BS4DHFD8981	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	153755.04	86864	5255	802300
61571	3HTWDAAR87N496719	800 INDOT CRAWFORDSVILLE DISTRIC	INTERNATIONAL	7400	2007	110000	86356	6710	801100
62029	1FVHG5BS3DHFD8941	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2013	141231.51	63850	4025	806400
63063	3BKBL20X6BF295561	800 INDOT GREENFIELD DISTRICT	KENWORTH	T440	2011	161044.6	79754	5861	803100
63418	1NKBLN0X7CJ323257	800 INDOT GREENFIELD DISTRICT	KENWORTH	T470	2012	131970	83091	3487	803300
63707	1HTWDAAR37J454154	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2007	110534	134352	9408	803300

66922	1HTWDAZR79J101830	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2009	121665	61567	6308	806500
64816	1HTWHAZT9EH770246	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2014	154337.25	65767	3051	804700
61745	1HTWDAAR07J454192	800 INDOT CRAWFORDSVILLE DISTRIC	INTERNATIONAL	7400	2007	137908	117581	7964	801500
64126	1FVHG5BS7DHFD8991	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	149687.51	93235	4322	802600
62894	1FVHG5BS5DHFD8987	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	153755.04	86021	5408	802300
66889	1FVHC3BS2BHAY6482	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	M2 106	2011	133445	48488	3092	806300
66808	1HTWHAZT78J696113	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	SA1	2008	158325	53642	2898	806600
63530	3HTWDAARX7N496737	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2007	111419	128378	7845	803200
65716	1FVHC3BS9BHAY6513	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	M2 106	2011	133445	70158	3806	805400
66276	2FZAATAK04AM76460	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2004	86055	109156	6147	806500
65386	3HTWDAAR57N496709	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	7400	2007	111419	99276	7214	805300
66184	2FZAATAK34AM20383	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2003	86055	73815	6170	806100
66419	2FZANTDC35AU94988	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2005	88408	85815	5757	806500
66421	3HTWDAAR47N496779	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2007	110542	108454	6137	806600
65298	1NKBLN0X2CJ323277	800 INDOT SEYMOUR DISTRICT	KENWORTH	T470	2012	131970	64016	2704	805100

64223	1FVHG5BS3DHFD8969	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2013	153755.04	95253	5920	804100
65530	1HTWHAZT49J101817	800 INDOT SEYMOUR DISTRICT	INTERNATIONAL	7400	2009	131311.76	87071	5106	805200
64772	1HTWDAAR97J454207	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	110885	145128	9615	804100
62878	1FVHG5BSXDHFD8984	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2013	141231.51	51320	2499	806500
61579	3HTWDAAR87N496770	800 INDOT CRAWFORDSVILLE DISTRICT	INTERNATIONAL	7400	2007	110000	105684	8695	801500
66136	2FZAATAK63AL81268	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2003	86055	73517	4798	806300
63704	1HTWDAZR9J101823	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2009	124685	99513	6595	803300
65165	2FZAATAK42AJ54434	800 INDOT SEYMOUR DISTRICT	STERLING	L7500 SERIES	2002	86055	73010	5821	800000
66414	2FZAATDC45AU94983	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2005	88408	75632	4926	806500
63080	1NKBLN0X2CJ323294	800 INDOT GREENFIELD DISTRICT	KENWORTH	T470	2012	131970	92121	5721	803100
66267	2FZAATAK94AM76456	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2004	86055	79895	6729	806300
64988	1HTWHAZT59J101812	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2009	131126	112265	9239	804700
61131	2FZAATAKX3AL81256	800 INDOT CRAWFORDSVILLE DISTRICT	STERLING	L7500 SERIES	2003	86055	113328	7337	801400
65177	1FVHC3BS4BHAY6502	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	M2 106	2011	133445	67613	3518	805500
66989	1NKBLN0X8CJ323297	800 INDOT VINCENNES DISTRICT	KENWORTH	T470	2012	131970	59172	6090	806300
66364	3HTWDAAR57N496726	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2007	110542	57935	3931	806300
64082	1HTWDAZR79J101827	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2009	121956.76	105426	9485	804700

64127	1FVHG5BS0DHFD8959	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2013	149687.51	71956	3739	802600
66383	3HTWDAAR77N496775	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2007	110542	80869	5110	806300
66420	2FZAATDC55AU94989	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2005	88408	74768	5001	806100
66508	1HTWDAAR37J454171	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2007	112750	71170	5181	806400
62019	1FVHG5BS4DHFD9001	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2013	141231.51	53537	3205	805200
61838	1FVHG5CY8FHGK1470	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	108SD	2015	150300	78484	3000	801300
66998	1FVHC3BS7BHAY6512	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	M2 106	2011	133445	42187	2662	806500
66931	1HTWHAZT29J101802	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2009	130835	55890	3110	806300
66927	1HTWDAZR89J101836	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2009	121956.76	68198	4151	806300
65609	1NKBLN0XXCJ323298	800 INDOT SEYMOUR DISTRICT	KENWORTH	T470	2012	131970	46579	2768	805400
65612	1NKBLN0X1CJ323299	800 INDOT SEYMOUR DISTRICT	KENWORTH	T470	2012	131970	46690	2985	805400
64098	1FVHG5BS6DHFD9002	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2013	141231.51	80839	6043	804700
61750	1HTWDAAR97J454188	800 INDOT CRAWFORDSVILLE DISTRICT	INTERNATIONAL	7400	2007	110000	132595	7732	801500
64700	1NKBLN0XXCJ323284	800 INDOT LA PORTE DISTRICT	KENWORTH	T470	2012	131970	95515	4624	804200

61291	1FVHG5CY1GHHB8426	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2016	153000	61430	1980	801300
66377	1NKBLN0X0CJ323259	800 INDOT VINCENNES DISTRICT	KENWORTH	T470	2012	131970	17089	1616	806600
61780	1FVHG5CY0FHGK1446	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2015	150300	76343	7618	801300
66926	1HTWDAZR09J101832	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2009	121665	90465	7401	806300
63493	1FVHG3DV2FHGM2338	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	114SD	2014	188710	33423	1738	803200
66372	1NKBLN0X7CJ323260	800 INDOT VINCENNES DISTRICT	KENWORTH	T470	2012	131970	44925	2264	806400
64971	1NKBLN0X2CJ323280	800 INDOT LA PORTE DISTRICT	KENWORTH	T470	2012	131970	64389	3559	804700
63706	1HTWDAZR19J101824	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2009	124685	66469	3967	803600
66413	2FZAATDCX5AU94969	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2005	88408	80171	3924	806500
62028	1FVHG5BS2DHFD8994	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2013	141231.51	53786	2883	805500
65840	1NKBLN0X9CJ323261	800 INDOT SEYMOUR DISTRICT	KENWORTH	T470	2012	131970	51835	1982	805300
64801	1FVHG3DV1GHGW0542	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	114SD	2016	196045	46861	1862	804300
66199	1HTWDAAR17J454167	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	7400	2007	112750	78689	5016	806500
66275	2FZAATAK4AAM76459	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2004	86055	91798	6340	806500
64876	1HTWHAZT2EH770248	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2014	154337.25	71241	4100	804400
66418	2FZAATDC15AU94987	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2005	88408	62610	3919	806100
63075	1HTGRSJTXEH791237	800 INDOT GREENFIELD DISTRICT	INTERNATIONAL	7400	2014	169699.79	51069	2664	803500

66265	2FZAATAK74AM76455	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2004	86055	89807	7120	806300
62299	1FVHG3DV0FHGM2337	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	114SD	2014	188710	27285	1207	802300
64153	1FVHG5BS1DHFD8971	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2013	141231.51	73001	6342	806100
66416	2FZAATDC85AU94985	800 INDOT VINCENNES DISTRICT	STERLING	L7500 SERIES	2005	88408	77284	5721	806600
61297	1FVHG5CY4GHHE5216	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2016	153000	52760	2891	801200
63070	1FVHG5CY5FHGK1457	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2015	150300	80822	6087	803100
62976	1FVHG5BS7DHFD8960	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2013	141231.51	57091	2940	803500
62883	1FVHG5BSXDHFD8998	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2013	141231.51	70078	4481	805300
64925	1HTWHAZT6EH770253	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2014	154337.25	68147	1971	804400
62004	1FVHG5BS4DHFD8978	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2013	141231.51	45162	2882	806300
64270	1FVHG5BS5DHFD8939	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2013	141231.51	73799	3948	805100
64213	1FVHG5BS3DHFD8955	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2013	141231.51	47630	2811	806300
61833	1FVHG5CY7FHGK1461	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2015	150300	59737	3605	801200

62897	1FVHG5BS4DHFD8947	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2013	141231.51	52020	3436	806400
66630	1HTWDAZR58J696143	800 INDOT VINCENNES DISTRICT	INTERNATIONAL	SA1	2008	144360	69779	4161	806300
63814	1FVHG5CY3GHHB8413	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2016	153000	59383	3393	803300
66368	1FVHG5CY5FHGK1460	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2015	150300	42018	2376	806100
64881	1HTWHAZT0EH770250	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2014	154337.25	101382	6079	804100
61836	1FVHG5CY8FHGK1467	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2015	150300	56103	2793	801500
63266	1FVHG5CY2FHGK1447	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2015	150300	89173	6564	803100
65164	2FZAATAK22AJ54433	800 INDOT SEYMOUR DISTRICT	STERLING	L7500 SERIES	2002	86055	85352	4510	800000
64277	1FVHG5BSXDHFD8970	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2013	141231.51	82843	7984	804700
63513	1FVHG3DV4FHGM2339	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	114SD	2014	188710	40059	2490	803600
62301	1FVHG3DV0FHGM2340	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	114SD	2014	188710	30155	6599	804300
61737	1FVHG5CY5FHGK1474	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2015	150300	68021	3341	801500
64931	1FVHG5CYXGHHES205	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2016	153000	66989	3193	804600

64944	1FVHG5CY1GHHE5206	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2016	153000	89344	5565	804100
61832	1FVHG5CY4FHGK1465	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	108SD	2015	150300	70881	2478	801200
63178	1FVHG5CY6FHGK1452	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2015	150300	68062	4030	803100
61837	1FVHG5CY6FHGK1466	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	108SD	2015	150300	74880	3474	801500
64945	1FVHG5CYXGHHE5219	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2016	153000	78116	5099	804100
61779	1FVHG5CY9FHGK1445	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	108SD	2015	150300	52117	3707	801100
62882	1FVHG5BS9DHF8944	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2013	141231.51	47908	2301	806500
61296	1FVHG5CY6GHHB8440	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	108SD	2016	153000	43476	2318	801400
64803	1FVHG3DV3GHGW0543	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	114SD	2016	196045	53152	3875	804100
63168	1FVHG5CY3FHGK1456	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2015	150300	82823	5636	803100
63124	1FVHG5CY1FHGK1455	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2015	150300	54403	3594	803100
62126	1FVHG5CY2GHHB8418	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2016	153000	59862	2691	802600

63813	1FVHG5CY1GHHB8409	GREENFIELD HIGHWAY MAINTEN	FREIGHTLINER	108SD	2016	153000	59568	3128	803300
63241	1FVHG5FE8JHJU3526	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2018	154225	40600	2209	803200
64943	1FVHG5CY2GHHE5201	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2016	153000	71088	4179	804100
62124	1FVHG5CY8GHHB8407	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2016	153000	52783	3303	802500
63678	1FVHG5CYXHHJA7308	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2017	149961	42852	2983	803100
63227	1FVHG5CY4FHGK1448	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2015	150300	44145	2846	803600
64019	1FVHG5CY4HHJA7319	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2017	165366	58324	3161	804400
63765	1FVHG3DV7GHGW0545	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	114SD	2016	196045	40006	2728	803300
65468	1FVHG5CY0GHHE5214	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2016	153000	46366	2418	805300
63126	1FVAG5CY4GHHC3220	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2016	131886	47065	4208	803200
63730	1FVHG5CYXGHHB8408	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2016	153000	56120	2636	803500
66706	1FVHG5CYXFHGK1454	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2015	150300	59340	2826	806100
61292	1FVHG5CY6GHHB8437	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2016	153000	64367	3395	801300

65260	1NKBLN0X3CJ323272	800 INDOT SEYMOUR DISTRICT	KENWORTH	T470	2012	131970	67637	3191	805100
61295	1FVHG5CY8GHHE5218	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	108SD	2016	153000	49782	545	801400
63136	1FVHG5CY6FHGK1449	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2015	150300	53558	3405	803200
66643	1FVHG5CYXGHHB8439	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2016	153000	38475	1997	806100
61848	1FVHG5CY1FHGK1469	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	108SD	2015	150300	63546	3440	801400
65375	1FVHG3CY1FHGC7398	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	114SD	2015	178266.07	38745	1732	805200
63084	1FVHG5CY8FHGK1453	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2015	150300	72358	3951	803200
65241	1FVAG5CY2FHGK1482	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2015	144300	48866	4559	805400
65559	1FVAG5CY6FHGK1484	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2015	144300	43673	3623	805500
62128	1FVHG5CY4GHHB8422	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2016	153000	41113	2590	802300
64942	1FVHG5CY9GHHE5213	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2016	153000	74615	4653	804100
63085	1FVHG5CY2FHGK1464	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2015	150300	81065	4596	803200
62125	1FVHG5CY2GHHB8421	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2016	153000	47503	2314	802300

63816	1FVHG5CY6GHHB8406	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2016	153000	64619	3418	803300
63734	1FVHG5CY0GHHB8417	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2016	153000	55757	2508	803600
64935	1FVHG5CY3GHHE5210	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2016	153000	53251	503	804300
65132	1FVAG5CY0FHGK1481	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2015	144300	51473	3713	805300
62652	1FVAG5CY6HHJA7355	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2017	156149	45530	3307	802500
65254	1FVAG5CY9FHGK1477	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2015	144300	42477	2570	805200
65348	1FVHG5CY4GHHE5202	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2016	153000	44750	2934	805200
64936	1FVHG5CY0GHHB8420	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2016	153000	49238	4066	804700
64905	1FVHG5CYXHHJA7339	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2017	164013	47621	2363	804600
63731	1FVHG5CY5GHHB8414	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2016	153000	54743	3203	803500
64026	1FVHG5CY1HHJA7309	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2017	163338	65373	4215	804100
62129	1FVHG5CY1GHHB8412	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2016	153000	39124	1916	806100
63605	1FVHG5CY2HHJA7304	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2017	149961	44631	3172	803100

61082	1FVAG5CY5HHJA7346	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2017	144800	29766	1364	801200
61432	1FVAG5CY6GHHC3218	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2016	131886	40258	2540	801500
63087	1FVHG5CY2FHGK1450	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2015	150300	85445	4744	803200
63774	1FVHG5CY8HHJA7310	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2017	149961	53278	2318	803300
66330	1FVHG5FE2JHJZ1085	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2018	150699	8635	422	806500
64933	1FVHG5CY3GHHE5207	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2016	153000	51347	2598	805300
65197	1FVHG5CY0HHJA7317	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2017	160879	25854	1353	805200
65376	1FVHG3CY3FHGC7399	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	114SD	2015	178266.08	39465	2223	805200
63066	1FVHG5CY9FHGK1462	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2015	150300	49532	2683	803600
64958	1FVHG5CY8HHJA7341	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2017	160879	48215	2523	804600
65698	1FVAG5CY2FHGK1479	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2014	144300	59690	4001	805300
64932	1FVHG5CY2GHHE5215	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2016	153000	53986	2452	804200
61298	1FVHG5CYXGHHB8425	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2016	153000	45203	2516	801100

62661	1FVAG5CY7HHJA7350	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2017	156149	49371	2561	802600
65088	1FVHG3DV9FHGM2336	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	114SD	2014	188710	25920	947	804200
64193	1FVAG5CY6GHHHC3221	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2016	131886	53981	3027	804600
63550	3ALHG3DVXHDJB9201	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	114SD	2017	202486.35	36222	2117	803100
64162	1FVHG5CY9HHJF5995	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2017	152511	43070	2565	804700
65016	1FVAG5CY5FHGK1475	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2015	144300	43203	3067	805400
66644	1FVHG5CY6GHHE5217	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2016	153000	27096	1955	806400
66640	1FVHG5CY7GHHE5209	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2016	153000	38843	5679	806600
62127	1FVHG5CY8GHHB8410	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2016	153000	40790	2277	806500
65466	1FVHG5CY8GHHB8441	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2016	153000	32526	1888	805300
66916	1FVHG5CYXFHGK1468	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2015	150300	30403	1964	806300
64194	1FVAG5CY8GHHHC3222	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2016	131886	52243	3214	804200
62656	1FVAG5CY9HHJA7351	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2017	156149	47049	2679	802200
65475	1FVHG5CY8GHHB8424	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2016	153000	40306	2439	805200

62663	1FVAG5CY2HHJA7353	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2017	156149	53170	3197	802500
64946	1FVHG5CY7GHHB8429	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2016	153000	58036	3084	804100
63733	1FVHG5CYXGHHB8411	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2016	153000	38226	1930	803600
61002	1FVHG5CY3HHJF5975	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2017	152511	29582	1105	801400
62660	1FVAG5CY8HHJA7356	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2017	156149	57079	2940	802600
63815	1FVHG5CY4GHHB8419	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2016	153000	57089	3141	803300
64941	1FVHG5CY8GHHE5204	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2016	153000	55134	2993	804700
61785	1FVHG5CY1FHGK1472	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2015	150300	40348	3020	801100
64023	1FVHG5CY2HHJA7318	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2017	163338	61175	3181	804600
61294	1FVHG5CY9GHHB8433	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2016	153000	44732	2207	801500
62622	1FVAG5CY9HHJA7348	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2017	156149	36952	2116	802300
64021	1FVHG5CYXHHJA7325	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2017	165366	40189	2543	804700
65447	1FVAG5CY4FHGK1483	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2015	144300	52691	3848	805300

65347	1FVHG5CY6GHHE5203	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2016	153000	45838	2864	805200
65473	1FVHG5CY6GHHE5220	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2016	153000	27883	1604	805400
63231	1FVHG5CY4FHGK1451	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2015	150300	69122	3806	803200
65226	1FVAG5CY9FHGK1480	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2015	144300	51386	3883	805300
65346	1FVHG5CY5GHHE5208	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2016	153000	39933	2081	805200
64054	3ALHG3DV2HDJB9208	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	114SD	2017	202486.35	35975	1907	804400
61086	1FVHG5CY2HHJA7335	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2017	149961	53011	2631	801100
66642	1FVHG5CY5GHHB8431	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2016	153000	42133	2140	806100
66331	1FVHG5CY5HHJA7314	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2017	151989	28215	1825	806600
65467	1FVHG5CY5GHHB8445	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2016	153000	45695	2576	805100
65250	1FVAG5CY0FHGK1478	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2015	144300	30599	1922	805100
61088	1FVHG5CY7HHJA7329	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2017	149961	42543	2547	801500
62728	3ALHG3DV1HDJB9202	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	114SD	2017	202486.35	29133	1231	802300

61998	1FVHG5CY4HHJF5970	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2017	152511	36965	2042	801400
64339	1FVHG3DV2FHGM2341	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	114SD	2014	188710	31897	1182	804200
63233	1FVHG5CY4HHJF5967	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2017	152511	78262	6569	803100
65128	1FVAG5CY5GHHC3226	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2016	131886	43530	3316	805200
66474	1FVHG5CY5FHGK1443	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2015	150300	29001	1382	806500
66178	1FVHG5CYXFHGK1471	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2015	150300	42960	960	806600
66048	1FVHG5CY3FHGK1473	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2015	150300	29662	1207	806500
63775	1FVHG5CY5HHJA7331	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2017	149961	32827	1685	803600
65231	1FVHG5CY1HHJA7326	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2017	160879	30259	1743	805100
63546	3ALHG3DV3HDJB9203	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	114SD	2017	202486.35	28534	1791	803100
63606	1FVHG5CY8HHJA7307	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2017	149961	40601	2921	803100
65225	1FVHG5CY3HHJA7327	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2017	160879	38065	2360	805100
61094	1FVHG5CY8HHJA7338	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2017	149961	39396	2645	801500

64904	1FVHG5CY6HHJA7340	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2017	164013	37195	2436	804700
65349	1FVHG5CY0GHHE5200	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2016	153000	39403	2139	805300
65238	1FVHG5CY0HHJA7320	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2017	149961	35700	2077	805500
62457	1FVAG5CY7HHJF5950	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2017	158949	34817	2202	802300
61057	3ALHG3DV5HDJB9199	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	114SD	2017	202486.35	22446	1361	803500
65471	1FVHG5CY3GHHB8444	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2016	153000	28042	1375	805400
61087	1FVHG5CY6HHJA7337	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	108SD	2017	149961	49936	2457	801200
61095	1FVHG5CY7HHJA7332	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	108SD	2017	149961	42103	2337	801200
65699	1FVAG5CY7FHGK1476	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2015	144300	33146	2780	805400
64191	1FVHG5CY9HHJH1159	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2017	152511	32748	1632	805200
61952	1FVHG5CY0HHJF5979	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	108SD	2017	152511	34206	10	801300
65469	1FVHG5CY3GHHB8430	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2016	153000	27328	1673	805400
66999	1FVHG5CY0FHGK1463	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2015	150300	38540	2139	806300

63686	1FVHG5CY6HHJA7323	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2017	149961	53514	2688	803200
65127	1FVAG5CY3GHHC3225	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2016	131886	30246	1724	805400
63603	1FVHG5CY8HHJA7313	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2017	149961	64081	4455	803100
63587	3ALHG3DV7HDJB9205	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	114SD	2017	202486.35	29107	1591	803100
63125	1FVAG5CY8GHHC3219	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2016	131886	50627	4465	803100
64934	1FVHG5CYXGHHB8442	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2016	153000	53221	3591	804600
66613	3ALHG3DVXHDJB9215	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	114SD	2016	107321	28896	1445	802200
64994	1FVHG5CY8HHJF5969	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2017	152511	33965	1647	804200
62623	1FVAG5CY7HHJA7347	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2017	156149	45458	3245	802300
65345	1FVHG5CY8GHHE5199	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2016	153000	39082	2468	805100
61431	1FVAG5CY4GHHC3217	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2016	131886	30720	2301	801200
65342	1FVHG5CY5GHHE5211	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2016	153000	28823	1684	805100
61092	1FVHG5CY5HHJA7328	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2017	149961	43771	2276	801100
64785	1HTWDAAR07J454208	800 INDOT LA PORTE DISTRICT	INTERNATIONAL	7400	2007	110885	143809	4624	800000

66610	1FVHG5CY7FHGK1444	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2015	150300	33702	2262	806400
61959	1FVHG5CY9HHJF5964	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2017	152511	41602	894	801200
63100	1FVHG5CY4HHJF5984	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2017	152511	55493	3151	803300
63271	1FVHG5CY2HHJF5997	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2017	85670	39525	3065	803100
61293	1FVHG5CY3GHHB8427	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2016	153000	31998	1710	801100
62664	1FVAG5CY6HHJF0478	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2017	79040	44307	2294	802200
62734	1FVAG5CY8HHJF5956	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2017	158949	41603	2370	802200
65476	1FVHG5CYXGHE5222	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2016	153000	30301	2030	805500
66641	1FVHG5CY2GHHB8435	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2016	153000	40603	2513	806100
65344	1FVHG5CY1GHHB8443	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2016	153000	38624	2345	805100
66305	1FVHG5CY2HHJA7321	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2017	151989	25911	1366	806100
63722	1FVHG5CYXHHJA7311	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2017	149961	47109	2593	803200

66375	3ALHG3DV6HDJB9213	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	114SD	2016	107321	26737	1501	806600
66061	1FVAG5CY7GHHC3230	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2016	131886	36351	23397	806300
64097	3ALHG3DV4HDJB9209	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	114SD	2017	202486.35	35759	1605	804300
62659	1FVAG5CY0HHJF5949	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2017	158949	37039	1962	802600
65472	1FVHG5C47GHHE5212	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2016	153000	41754	2187	805500
66647	1FVHG5CY7GHHB8432	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2016	153000	29252	1445	806500
63729	1FVHG5CY7GHHB8415	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2016	153000	35674	1462	803500
66367	1FVHG5CY7FHGK1458	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2015	150300	31107	1867	806400
65470	1FVHG5CY8GHHB8438	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2016	153000	24307	1612	805400
65125	1FVAG5CYXGHHC3223	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2016	131886	48685	2441	805300
66047	1FVHG5CY9FHGK1459	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2015	150300	47847	394	806600
65126	1FVAG5CY1GHHC3224	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2016	131886	41406	2852	805500
66645	1FVHG5CY4GHHB8436	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2016	153000	28139	1673	806400
61958	1FVHG5CY5HHJF5976	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2017	152511	51161	1290	801300

62667	1FVAG5CY4HHJF5954	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2017	158949	41412	2864	802500
65239	1FVHG5CY4HHJA7322	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2017	149961	30516	1981	805500
62620	1FVAG5CY0HHJA7349	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2017	158177	51166	2927	802300
66060	1FVAG5CY0GHHC3229	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2016	131886	36648	2285	806600
62665	1FVAG5CY8HHJF0479	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2017	79040	52331	3232	802300
62527	1FVHG5CYXHHJF5973	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2017	166948	33842	1543	802300
65232	1FVHG5CY9HHJA7316	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2017	160879	24790	1292	805200
61081	1FVAG5CY3HHJA7345	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2017	144800	33358	2728	801500
63732	1FVHG5CY9GHHB8416	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2016	153000	44398	2079	803500
62657	1FVHG5CY9HHJF6001	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2017	166948	33078	1759	802500
64984	1FVHG5CYXHHJF5990	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2017	152511	37833	2894	804700
64129	1FVHG5CY8HHJF5972	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2017	152511	31188	1655	805300
61930	1FVHG5CY1HHJF5991	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2017	152511	53339	2886	801300

63053	1FVHG5CY3HHJA7330	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2017	149961	44850	2716	803500
62733	3ALHG3DV3HDJB9198	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	114SD	2017	202486.35	26806	1380	802300
65481	1FVHG5CY0GHHB8434	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2016	153000	30599	1921	805500
66646	1FVHG5CY5GHHB8428	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2016	153000	25359	1550	806300
65188	1FVHG5CY9HHJB2354	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2017	151989	44560	2453	805100
65115	1FVHG5CYXHHJF6010	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2017	142616	37127	1982	805100
65267	1FVHG5CY1HHJF6008	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2017	142616	17720	1145	805400
65180	1FVHG5CY4HHJA7305	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2017	151989	19201	1189	805400
66774	1FVHG5CY0HHJF5996	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2017	152511	15973	775	806300
64141	1FVHG5CY7HHJF5977	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2017	152511	47993	3280	804700
65230	1FVHG5CY0HHJA7334	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2017	160879	15344	824	805400
64070	1FVHG5FE9JHJZ1052	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2018	157192	27530	1371	804600

65120	1FVHG5CY3HHJF6012	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2017	142616	28595	1889	805200
64120	1FVHG5CY3HHJF5989	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2017	152511	60745	3140	804400
65343	1FVHG5CY8GHHHE5221	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2016	153000	35062	2005	805100
61967	1FVHG5CY0HHJF5965	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	108SD	2017	152511	35707	2201	801500
61945	1FVHG5CY1HHJF5988	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	108SD	2017	152511	49864	547	801300
66707	1FVHG5CY7HHJF5994	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2017	152511	23985	1267	806100
62735	1FVAG5CY4HHJH1152	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2017	158949	35562	2133	802300
62507	1FVAG5CYXHHJF5957	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2017	158949	36694	2598	802300
61956	1FVHG5CY5HHJF5962	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	108SD	2017	152511	48952	1386	801300
63572	3ALHG3DV5HDJB9204	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	114SD	2017	202486.35	27063	1337	803500
66354	3ALHG3DV8HDJB9200	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	114SD	2017	202486.35	27004	157	806600
62619	1FVAG5CY4HHJA7354	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2017	158177	45277	3051	802300
65474	1FVHG5CY6GHHB8423	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2016	153000	29498	1999	805500

65142	1FVHG5CY6HHJF6005	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2017	142616	26420	1340	805300
65242	3ALHG3DV9HDJB9206	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	114SD	2017	202486.35	34087	2374	804400
63200	1FVHG5CY2HHJF5983	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2017	152511	36955	1880	801300
66058	1FVAG5CY7GHHC3227	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2016	131886	24820	850	806300
64208	1FVHG5CY7HHJF6000	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2017	152511	52788	3165	804400
64032	1FVHG5CY8HHJA7324	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2017	163338	40789	1089	804200
62730	1FVAG5CY6HHJH1153	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2017	158949	41017	2140	802600
65189	1FVHG5CY3HHJF6009	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2017	142616	21184	1394	805400
64079	3ALHG3DV0HDJB9207	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	114SD	2017	202486.35	48538	2193	804100
66188	1FVHG3DV1JHJM3973	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	114SD	2017	205488	19082	992	802300
65274	1FVHG5CYXHHJF6007	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2017	142616	31223	1789	805500
61965	1FVHG5CY6HHJF5999	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2017	152511	44933	1372	801500
66273	1FVHG5CY6HHJA7306	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2017	151989	25939	1821	806400
62662	1FVAG5CY0HHJA7352	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2017	156149	44769	2579	802600

65273	1FVHG5CY1HHJF6011	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2017	142616	22621	1446	805500
65277	1FVHG5CY2HHJF6003	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2017	142616	28149	1792	805500
62668	1FVAG5CY2HHJF5953	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2017	158949	34352	2106	802500
63188	1FVHG5CY0HHJF5982	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2017	152511	41772	2175	803600
64015	1FVHG5CY4HHJA7336	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2017	160879	45150	1716	804200
64039	1FVHG5FE1JHJU3528	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2018	154225	25357	1308	805300
63007	1FVHG5CY1HHJF5960	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2017	152511	46783	2392	803200
65233	1FVHG5CY7HHJF0486	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2017	149961	24089	1910	805500
65110	1FVHG5CY0HHJF6002	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2017	142616	32551	1915	805100
63062	1FVHG5CY8HHJF5986	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2017	152511	28951	1402	803600
63221	1FVHG5CY7HHJF5963	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2017	152511	45806	2250	803200
65183	1FVHG5CY8HHJF6006	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2017	142616	34343	1616	805200

61083	1FVHG5CY9HHJA7333	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2017	149961	38425	2200	801100
61961	1FVHG5CY3HHJF5961	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2017	152511	47119	2491	801100
61090	1FVHG5CY1HHJA7312	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2017	149961	46118	3025	801100
63264	1FVHG5CY6HHJF5985	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2017	164954	25698	1598	803100
62669	1FVAG5CY6HHJF5955	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2017	158949	29248	2150	802500
62198	1FVHG5FE3JHJZ1080	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2018	173721	30518	1276	802300
63025	1FVHG5CY7HHJF5980	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2017	152511	51540	2633	803200
63268	1FVHG5CY4HHJF5998	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2017	164954	49194	3100	803100
66751	1FVHG5CY3HHJF5992	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2017	152511	14988	648	806500
66374	3ALHG3DV0HDJB9210	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	114SD	2016	107321	11731	593	806300
66180	1FVHG3DV8JHJM3971	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	114SD	2017	205488	25389	1299	804100
64987	1FVHG5CY3HHJH1156	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2017	152511	41234	2540	804700
66059	1FVAG5CY9GHHC3228	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2016	131886	30350	1614	806500

64210	1FVHG5FE5JHJZ1064	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2018	157192	30607	1298	804300
64057	1FVHG5FE3JHJU3529	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2018	154225	31107	1340	804200
64188	1FVHG5CY9HHJF5981	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2017	152511	57873	3525	804100
63099	1FVHG5CY9HHJF5966	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2017	152511	44634	2061	803300
66781	1FVHG5CYXHHJF5987	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2017	152511	24779	1656	806400
63293	1FVHG5FE1JHJZ1076	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2018	169635	24199	1340	803100
65255	3ALHG3DV4HDJB9212	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	114SD	2017	202486.35	29100	1738	804100
64207	1FVHG5CY5HHJH1157	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2017	152511	64695	3629	804100
61078	1FVHG5FE3JHJZ1046	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	108SD	2018	157192	16285	495	801400
62196	1FVHG5FE7JHJZ1079	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2018	173721	26701	1380	802500
61014	1FVHG5FE4JHJZ7146	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	108SD	2018	157192	19322	1089	801300
62732	1FVAG5CY0HHJF5952	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2017	158949	36027	2121	802600

62658	1FVHG5CY5HHJH1160	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2017	186341	42219	1945	802600
61077	1FVHG5FE5JHJZ1047	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2018	157192	28479	1518	801500
62199	1FVHG5FE2JHJZ1068	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2018	171667	20668	920	802500
66206	1FVHG5FE6JHJU3525	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2018	154225	19356	1452	806400
64206	1FVHG5CYXHHJH1154	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2017	152511	50617	195	804300
64169	1FVHG5CY1HHJH1155	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2017	152511	54235	2015	804100
65191	1FVAG5FE9JHJY6581	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2018	144889	25670	1383	805200
62182	1FVAG5FE3JHJU3533	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2018	158913	36254	2133	802200
61059	1FVHG5FEXJHJU3527	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2018	154225	25475	515	801300
61006	1FVAG5CY2HHJH1151	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2017	143105	36484	2071	801100
65256	1FVAG5FE4JHJZ7133	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2018	144889	15110	780	805200
64990	1FVHG5CY7HHJH1158	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2017	152511	37690	2193	804300
61997	1FVHG5CY6HHJF5971	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2017	152511	28473	2064	801100

63245	1FVHG5FE3JHJZ1063	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2018	169635	14305	630	803200
65186	1FVAG5FE3JHJY6589	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2018	144889	25507	1912	805300
62200	1FVHG5FE9JHJZ1049	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2018	171667	28035	1714	802500
64224	1FVHG5FE4JHJZ1055	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2018	157192	41428	1501	804100
65114	1FVHG5CY4HHJF6004	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2017	142616	24948	1474	805100
66177	1FVHG3DVXJHJM3969	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	114SD	2017	205488	13082	580	806300
61004	1FVAG5CY0HHJH1150	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2017	143105	36521	1049	801300
65117	1FVHG3DV6JHJM3970	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	114SD	2018	205488	28689	210	804300
61064	1FVHG5FE6JHJZ7147	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2018	157192	25072	402	801300
65187	1FVAG5FE4JHJY6584	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2018	144889	23202	1682	805300
63338	1FVHG5FE8JHJZ1074	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2018	159224	22493	995	803600
66217	1FVHG5FEXJHJZ1089	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2018	150699	14340	1068	806400
66288	1FVHG5CY7HHJA7315	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2017	151989	20865	1086	806300

61001	1FVHG5CY6HHJF5968	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2017	152511	41525	2252	801500
65202	1FVAG5FE2JHJY6583	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2018	144889	19190	676	805200
62194	1FVHG5FE5JHJZ1081	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2018	173721	34757	1480	802500
63352	1FVHG5FE0JHJZ1067	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2018	159224	27250	1798	803300
64402	1FVHG5FE6JHJZ1056	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2018	159224	27325	1322	804700
63172	1FVHG5CY1HHJF5974	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2017	152511	44275	2288	803200
65379	1FVHG5FE8JHJZ1060	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2018	159224	14258	997	805500
65217	1FVAG5FE7JHJY6580	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2018	144889	22874	1284	805100
64056	1FVHG5FEXJHJU3530	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2018	154225	45033	2068	804300
63012	1FVHG5CY9HHJF5978	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2017	152511	24407	869	803500
62186	1FVAG5FE9JHJY6595	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2018	160937	26058	1580	802500
62737	1FVAG5CY9HHJF5951	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2017	158949	39433	2301	802500
64005	1FVHG5FE1JHJZ1045	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2018	157192	31785	679	804100

62189	1FVAG5FE3JHJY6592	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2018	160937	23593	1272	802600
65335	1FVHG5FEXJHJZ1058	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2018	159224	11842	669	805400
64225	1FVHG5FE3JHJZ7154	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2018	157192	33551	1607	804700
63332	1FVHG5FE9JHJZ1066	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2018	169635	17115	759	803600
61072	1FVHG5FE8JHJZ7151	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2018	157192	18424	926	801200
64262	1FVAG5FE9JHJZ7130	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2018	146913	27150	51	804200
64016	1FVHG5FE6JHJZ1042	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2018	157192	33296	1732	804700
64285	1FVAG5FEXJHJZ7136	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2018	146913	28445	1118	804100
63267	1FVHG5FE3JHJZ1077	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2018	169635	18879	972	803300
61073	1FVHG5FE1JHJZ7153	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2018	157192	23455	1463	801100
66705	1FVHG5CY5HHJF5993	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2017	152511	22040	1234	806600
66219	1FVHG5FEXJHJZ7166	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2018	150699	12108	721	806400

64069	1FVHG5FE8JHJZ1057	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2018	157192	23789	1149	804100
65271	1FVAG5FE1JHJY6588	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2018	144889	21833	1335	805400
65137	1FVAG5FE8JHJY6586	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2018	144889	20898	1376	805100
65215	1FVAG5FEXJHJY6587	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2018	144889	22041	1370	805100
66187	1FVHG3DVXJHJM3972	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	114SD	2017	205488	27643	1347	804700
61067	1FVHG5FEXJHJZ7149	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2018	157192	24532	1187	801200
64068	1FVHG5FEXJHJZ1061	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2018	157192	25141	83	804200
65332	1FVAG5FE0JHJZ7131	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2018	146913	11218	799	805500
65203	1FVAG5FE0JHJY6582	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2018	144889	18392	1185	805300
61070	1FVHG5FEXJHJZ7152	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2018	157192	26115	1393	801200
66328	3ALHG3DV8HJDB9214	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	114SD	2016	107321	15930	844	806600
62254	1FVAG5FE9JHJZ7144	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2018	160937	21858	1507	802300
65334	1FVAG5FE1JHJZ7137	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2018	146913	12448	806	805500
61062	1FVHG5FE6JHJZ7150	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2018	157192	12700	886	801100

64006	1FVHG5FEXJHJZ1044	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2018	157192	29752	1303	804600
63243	1FVHG5FE7JHJZ1048	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2018	169635	14077	780	803100
61075	1FVHG5FE4JHJZ1041	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2018	157192	22966	1141	801200
66329	1FVHG5FE4JHJZ1069	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2018	157192	13490	718	806600
62190	1FVAG5FE5JHJY6593	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2018	160937	18982	968	802600
62256	1FVAG5FE7JHJZ7143	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2018	160937	24142	1700	802300
65330	1FVHG5FE1JHJZ1062	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2018	157192	15450	847	805500
63326	1FVHG5FE0JHJZ1053	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2018	169635	13502	699	803100
63244	1FVHG5FE2JHJZ1071	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2018	169635	22388	1158	803100
64348	1FVAG5FE6JHJZ7134	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2018	146913	26180	1010	804300
61079	1FVAG5FE6JHJY6585	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2018	146913	23462	675	801200
66489	1FVHG5FE8JHJZ7165	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2018	150699	13115	522	806600
66212	1FVHG5FE6JHJZ1073	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2018	157192	12804	876	806400

63335	1FVHG5FEXJHJZ1075	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2018	169635	13776	383	803500
61076	1FVHG5FE8JHJZ7148	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2018	157192	24325	1260	801200
66214	1FVHG5FE5JHJZ1050	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2018	157192	13359	52	806600
62259	1FVAG5FE0JHJZ7145	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2018	160937	16440	1136	802500
63254	1FVHG5FE5JHJZ1078	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2018	169635	17392	576	803300
66215	1FVHG5FE6JHJZ1087	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2018	150699	11534	704	806400
62191	1FVAG5FE7JHJY6594	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2018	160937	15139	1037	802500
63373	1FVHG3DV5JHKB1719	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	114SD	2018	208229	12266	516	803100
63337	1FVHG5FE7JHJZ1065	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2018	159224	26750	953	803200
66325	1FVHG5FE4JHJZ1072	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2018	157192	14087	761	806300
63462	1FVHG5FE3LHLU1806	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2020	164373	4679	2	803200
66211	1FVHG5FE2JHJZ1054	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2018	157192	15088	816	806500
65686	1FVAG5FE5LHLU1775	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2020	148591	3535	217	805400

66006	1FVHG5FE1JHJZ1059	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2018	157192	10882	351	806500
61084	1FVHG5FE8JHJZ1043	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2018	159224	24240	1487	801300
66323	1FVAG5FE8JHJZ7135	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2018	146913	15185	853	806400
66221	1FVHG5FE4JHJZ1086	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2018	150699	15446	649	806100
65688	1FVAG5FE7LHLU1759	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2020	0	4476	255	805400
61080	1FVAG5FE2JHJZ7132	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2018	146913	22233	1368	801400
63549	1FVAG5FE3LHLU1774	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2020	148591	9025	432	803600
65679	1FVAG5FE1LHLU1773	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2020	148591	4348	202	805200
65700	1FVAG5FE9LHLU1780	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2020	148591	4347	243	805400
64250	1FVAG5FEXLHLU1755	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2020	82175	10675	512	804600
63336	1FVHG5FE0JHJZ1070	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2018	169635	21043	1503	803500
63524	1FVAG5FE1LHLU1756	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2020	148591	9562	426	803600
65707	1FVAG5FEXLHLU1772	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2020	148591	5428	324	805500
64071	1FVHG5FE7JHJZ1051	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2018	157192	35180	1768	804100

62463	1FVAG5FE3LHLU1791	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2020	163022	5329	72	802200
63522	1FVHG5FE1LHLU1805	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2020	174428	4436	160	803600
63523	1FVHG5FE6LHLU1802	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2020	174428	4029	53	803200
65675	1FVHG5FE7LHLU1808	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2020	162226	3741	201	805500
65677	1FVAG5FE2LHLU1765	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2020	148591	4978	304	805100
65695	1FVAG5FE6LHLU1770	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2020	148591	4783	192	805300
65681	1FVAG5FE5LHLU1761	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2020	148591	4949	341	805100
65683	1FVAG5FE0LHLU1764	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2020	148591	3591	135	805200
64221	1FVHG5FE0LHLU1827	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2020	92900	11205	468	804300
63479	1FVHG5FE2LHLU1800	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2019	162226	8345	421	803500
65709	1FVAG5FE3LHLU1760	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2020	148591	5499	368	805500
62462	1FVAG5FE5LHLU1789	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2020	163022	4796	124	802200
65676	1FVAG5FE7LHLU1776	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2020	148591	7228	407	805200
62444	1FVHG5FE6LHLU1833	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2020	177129	5915	158	802500

65680	1FVAG5FE8LHLU1768	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2020	148591	3389	100	805200
61203	1FVAG5FE4LHLU1766	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	108SD	2020	148213	4246	233	801100
64156	1FVHG5FE9LHLU1826	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2020	174428	4304	1	804300
66220	1FVHG5FE8JHJZ1088	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2018	150699	11663	487	806500
62446	1FVAG5FE3LHLU1788	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2019	163022	7990	230	802300
66726	1FVAG5FE8LHLU1771	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2020	150738	4559	12	806100
63519	1FVHG5FE5LHLU1824	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2020	174428	1900	47	803100
63551	1FVAG5FE6LHLU1767	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2020	148591	7034	378	803100
64195	1FVHG5FE7LHLU1825	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2020	174428	5290	15	804200
65674	1FVHG5FE2LHLU1814	800 INDOT SEYMOUR DISTRICT	FREIGHTLINER	108SD	2020	162226	4100	94	805100
63451	1FVHG5FE8LHLU1803	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2020	164373	7153	1	803100
64255	1FVHG5FE2LHLU1831	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2020	177129	6492	288	804400
66703	1FVHG5FE8LHLU1820	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2020	162226	2264	4	806600
64123	1FVHG5FE6LHLU1797	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2020	91670	12192	25	804300
64248	1FVAG5FE5LHLU1758	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2020	82175	17242	9	804700

64201	1FVHG5FEXLHLU1804	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2020	174428	5328	269	804400
66715	1FVHG5FE4LHLU1815	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2020	162226	1100	28	806500
63481	1FVHG5FE9LHLU1812	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2019	162226	6441	347	803300
61206	1FVHG5FE3LHLU1840	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	108SD	2020	156568	59633	1	801400
62448	1FVAG5FE0LHLU1795	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2020	163022	6325	127	802200
66718	1FVHG5FEXLHLU1818	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2020	162226	2286	3	806600
66720	1FVAG5FEXLHLU1769	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2020	150738	1983	42	806500
61208	1FVHG5FE7LHLU1839	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	108SD	2020	156568	4141	1	801400
66713	1FVHG5FE1LHLU1819	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2020	162226	2344	116	806500
64124	1FVHG5FEXLHLU1799	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2020	162226	8305	30	804100
62445	1FVHG5FE2LHLU1828	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2020	177129	6713	105	802500
66710	1FVHG5FE6LHLU1816	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2020	162226	3840	130	806400
64264	1FVHG5FE4LHLU1832	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2020	177129	8902	522	804100
64242	1FVHG5FE0LHLU1830	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2020	177129	5481	43	804200
66711	1FVHG5FE0LHLU1813	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2020	162226	3875	54	806500

63518	1FVHG5FE1LHLU1822	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2020	174428	1844	13	803100
64247	1FVAG5FE3LHLU1757	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2020	82175	8387	2	804700
62459	1FVAG5FE7LHLU1793	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2020	163022	10046	35	802300
66719	1FVHG5FE8LHLU1817	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2020	162226	2409	149	806400
62465	1FVAG5FE2LHLU1796	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2020	163022	11203	10	802600
63506	1FVHG5FE7LHLU1811	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2020	174428	6010	194	803200
62447	1FVAG5FE5LHLU1792	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2020	163022	7097	154	802600
63469	1FVHG5FE8LHLU1798	800 INDOT GREENFIELD DISTRICT	FREIGHTLINER	108SD	2020	164373	7891	16	803300
61213	1FVAG5FE9LHLU1763	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2020	148213	10018	16	801300
61205	1FVHG5FE0LHLU1844	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2020	156568	4605	3	801200
64237	1FVHG5FE4LHLU1829	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2020	177129	5494	11	804700
62443	1FVHG5FE4LHLU1801	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2020	174428	3985	29	802600
61211	1FVHG5FEXLHLU1835	800 INDOT CRAWFORDSVILLE DISTRIC	FREIGHTLINER	108SD	2020	156568	3580	189	801400
62460	1FVAG5FE9LHLU1794	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2020	163022	8946	13	802300

66725	1FVAG5FE2LHLU1779	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2020	150738	3843	16	806300
62438	1FVHG5FE9LHLU1809	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2020	174428	2593	65	802300
66717	1FVHG5FE5LHLU1807	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2020	162226	3165	24	806500
61200	1FVHG5FE5LHLU1838	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	108SD	2020	156568	10018	2	801300
66723	1FVAG5FE7LHLU1762	800 INDOT VINCENNES DISTRICT	FREIGHTLINER	108SD	2020	150738	2441	60	806500
61201	1FVHG5FE7LHLU1842	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	108SD	2020	156568	5718	1	801100
61204	1FVHG5FE1LHLU1836	800 INDOT CRAWFORDSVILLE DISTRICT	FREIGHTLINER	108SD	2020	156568	509	1	801100
62456	1FVAG5FE1LHLU1790	800 INDOT FORT WAYNE DISTRICT	FREIGHTLINER	108SD	2020	163022	7816	7	802300
64163	1FVHG5FE3LHLU1823	800 INDOT LA PORTE DISTRICT	FREIGHTLINER	108SD	2020	174428	8304	5	804100

UNIT NO	MAINT LOC NAME	PARKING LOC NAME	CLASS 3	TRUCK TYPE	STATUS DESC	FUEL DO	MAINT DO	END DATE	TMILES
62422	WABASH SUBDISTRICT	LAUD UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$94,731.11	921776	2020	149985
61058	WEST LAFAYETTE SUBDISTRICT	FOWLER UNIT	1592	TANDEM AXLE TOW PLOW TRUCK	Active Unit	\$16,036.35	230983	2020	31190
62290	BLUFFTON SUBDISTRICT	BLUFFTON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$99,761.37	170315	2020	168831

62398	WABASH SUBDISTRICT	LAUD UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$79,962.51	159637	2020	153949
64400	PLYMOUTH SUBDISTRICT	PLYMOUTH UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$99,647.56	156460	2020	204087
62411	BLUFFTON SUBDISTRICT	BLUFFTON UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$90,329.28	155770	2020	155328
62078	BLUFFTON SUBDISTRICT	BLUFFTON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$65,101.44	154149	2020	106566
62323	ELKHART SUBDISTRICT	ELKHART UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$90,405.06	152314	2020	160498
64522	MONTICELLO SUBDISTRICT	LOGANSPORT UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$102,240.40	151213	2020	212956
64919	COLUMBUS SUBDISTRICT	AMITY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$52,437.04	149104	2020	87595
64663	PLYMOUTH SUBDISTRICT	PLYMOUTH UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$107,942.61	148373	2020	189952
62289	BLUFFTON SUBDISTRICT	GAS CITY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$106,166.70	148265	2020	154593
61701	TERRE HAUTE SUBDISTRICT	TERRE HAUTE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$43,662.26	147856	2020	74158
62410	BLUFFTON SUBDISTRICT	BLUFFTON UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$83,666.44	146112	2020	141662

63700	INDIANAPOLIS SUBDISTRICT	TROY UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$78,795.87	145721	2020	135983
62337	WABASH SUBDISTRICT	WARSAW UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$97,206.18	145210	2020	160502
62408	WABASH SUBDISTRICT	WARSAW UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$92,063.43	144928	2020	154931
62279	ELKHART SUBDISTRICT	SHIPSHEWANA UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$85,433.96	143952	2020	158865
62401	WABASH SUBDISTRICT	LAUD UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$73,624.02	142164	2020	127277
64695	GARY SUBDISTRICT	MILLER UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$60,062.59	140198	2020	105651
64667	PLYMOUTH SUBDISTRICT	MISHAWAKA UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$73,681.48	139962	2020	120100
63486	GREENFIELD SUBDISTRICT	GREENFIELD UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$83,193.41	139873	2020	125204
64672	WINAMAC LOGISTICAL SUPPORT CENTER	ROCHESTER UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$103,987.83	139825	2020	181391
62601	FORT WAYNE SUBDISTRICT	FORT WAYNE UNIT 1	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$60,291.54	137536	2020	101983
64673	WINAMAC LOGISTICAL SUPPORT CENTER	MEDARYVILLE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$112,649.11	137449	2020	202918
62423	WABASH SUBDISTRICT	WABASH UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$96,860.18	137191	2020	140618

64883	PLYMOUTH SUBDISTRICT	PLYMOUTH UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$67,109.43	136922	2020	123092
62812	WABASH SUBDISTRICT	WABASH UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$69,459.46	132854	2020	109973
63439	GREENFIELD SUBDISTRICT	GREENFIELD UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$65,985.01	132372	2020	148515
62219	ELKHART SUBDISTRICT	ELKHART SUBDISTRICT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$65,667.51	131841	2020	150143
61754	CLOVERDALE SUBDISTRICT	LIZTON UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$80,399.20	131683	2020	161572
62247	WABASH SUBDISTRICT	WABASH UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$85,411.64	130226	2020	144606
62088	FORT WAYNE SUBDISTRICT	NEW HAVEN UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$73,256.85	129969	2020	129448
62361	BLUFFTON SUBDISTRICT	BLUFFTON UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$95,800.39	129892	2020	190321
63703	INDIANAPOLIS SUBDISTRICT	TROY UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$69,765.62	129790	2020	135197
62226	FORT WAYNE SUBDISTRICT	NEW HAVEN UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$67,569.23	129552	2020	142305
62286	BLUFFTON SUBDISTRICT	BLUFFTON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$86,033.24	129171	2020	52665
62413	BLUFFTON SUBDISTRICT	MONROE UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$86,470.12	127371	2020	144870

62338	WABASH SUBDISTRICT	LAUD UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$83,222.16	125446	2020	141565
62161	FORT WAYNE SUBDISTRICT	FORT WAYNE UNIT 1	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$80,967.61	124524	2020	162063
64043	LA PORTE SUBDISTRICT	LA PORTE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$97,161.00	123853	2020	187583
64924	RENSELAER SUBDISTRICT	RENSELAER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$62,498.88	123716	2020	112370
61684	FRANKFORT SUBDISTRICT	ROMNEY UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$72,255.88	123680	2020	122129
63454	CAMBRIDGE CITY SUBDISTRICT	CENTERVILLE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$151,442.95	123391	2020	147411
63026	INDIANAPOLIS SUBDISTRICT	71ST ST UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$40,233.32	122502	2020	74224
64777	MONTICELLO SUBDISTRICT	WINAMAC UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$83,641.47	122009	2020	145421
64167	MONTICELLO SUBDISTRICT	WINAMAC UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$111,786.66	121910	2020	222420
64399	LA PORTE SURPLUS	LA PORTE SURPLUS	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$71,605.34	121604	2020	9450
62258	FORT WAYNE SUBDISTRICT	NEW HAVEN UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$83,321.42	121327	2020	144226
64569	WINAMAC LOGISTICAL SUPPORT CENTER	MEDARYVILLE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$89,373.36	121236	2020	177700
63041	INDIANAPOLIS SUBDISTRICT	71ST ST UNIT	1606	MULTI PURPOSE TANDEM AXLE	Active Unit	\$31,404.00	119941	2020	70524

				DUMP TRUCK					
64884	RENSSELAER SUBDISTRICT	ROSELAWN UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$49,435.05	119792	2020	86698
64927	PLYMOUTH SUBDISTRICT	MISHAWAKA UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$62,840.80	119742	2020	106148
65035	LA PORTE SUBDISTRICT	LA PORTE SUBDISTRICT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$76,823.96	119712	2020	178348
62348	WABASH SUBDISTRICT	WABASH UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$102,828.46	119518	2020	154187
62381	WABASH SUBDISTRICT	LAUD UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$106,032.67	119108	2020	207025
62405	FORT WAYNE SUBDISTRICT	FORT WAYNE UNIT 1	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$85,210.36	119006	2020	136263
64834	RENSSELAER SUBDISTRICT	RENSSELAER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$55,623.51	118756	2020	92976
62245	FORT WAYNE SUBDISTRICT	ANGOLA UNIT 1	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$81,421.20	118582	2020	135554
62060	WABASH SUBDISTRICT	WABASH UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$61,895.03	118382	2020	96152
64746	PLYMOUTH SUBDISTRICT	PLYMOUTH UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$72,045.61	118311	2020	146150
64839	GARY SUBDISTRICT	GARY UNIT 3	1580	SINGLE AXLE	Active Unit	\$83,416.53	118252	2020	149852

				DUMP TRUCK					
62237	BLUFFTON SUBDISTRICT	GAS CITY UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$71,361.86	117960	2020	138635
62726	ELKHART SUBDISTRICT	ELKHART UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$58,736.45	117935	2020	96007
64701	RENSSELAER SUBDISTRICT	ROSELAWN UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$37,085.20	117789	2020	69589
62595	WABASH SUBDISTRICT	WABASH UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$70,674.93	117628	2020	111715
64923	GARY SUBDISTRICT	CROWN POINT UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$44,740.20	116786	2020	76331
64548	RENSSELAER SUBDISTRICT	RENSSELAER UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$68,257.18	116516	2020	187351
62682	BLUFFTON SUBDISTRICT	GAS CITY UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$61,770.46	116435	2020	111070
64878	COLUMBUS SUBDISTRICT	COLUMBUS UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$38,761.57	116028	2020	55873
63478	GREENFIELD SUBDISTRICT	ANDERSON UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$69,561.60	115363	2020	145296
61702	TERRE HAUTE SUBDISTRICT	ASHBORO UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$64,458.43	115328	2020	100130
65607	AURORA SUBDISTRICT	BROOKVILLE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$78,169.44	115097	2020	125240

62965	BLUFFTON SUBDISTRICT	MONROE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$47,542.95	114600	2020	80699
64632	LA PORTE SUBDISTRICT	MICHIGAN CITY UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$81,905.35	114571	2020	150516
63465	GREENFIELD SUBDISTRICT	RUSHVILLE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$81,596.41	114501	2020	150519
63458	INDIANAPOLIS SUBDISTRICT	71ST ST UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$75,420.84	114444	2020	174062
64967	WINAMAC LOGISTICAL SUPPORT CENTER	MEDARYVILLE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$82,954.63	114279	2020	163541
64568	PLYMOUTH SUBDISTRICT	PLYMOUTH UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$87,997.66	113905	2020	179237
64617	RENSELAER SUBDISTRICT	RENSELAER UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$76,730.25	113718	2020	150208
63647	CAMBRIDGE CITY SUBDISTRICT	CENTERVILLE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$202,968.42	113698	2020	169350
63455	ALBANY SUBDISTRICT	ALEXANDRIA UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$79,503.24	113578	2020	155561
62406	FORT WAYNE SUBDISTRICT	FORT WAYNE UNIT 1	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$87,245.37	113248	2020	143269
62416	BLUFFTON SUBDISTRICT	GAS CITY UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$90,580.94	113136	2020	147074
62284	FORT WAYNE SUBDISTRICT	NEW HAVEN UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$76,909.65	113123	2020	129184
61683	WEST LAFAYETTE SUBDISTRICT	FOWLER UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$108,814.93	113041	2020	190738

64776	GARY SUBDISTRICT	MILLER UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$54,682.12	112946	2020	82925
63946	TIPTON SUBDISTRICT	FORTVILLE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$64,959.51	112912	2020	111035
61553	WEST LAFAYETTE SUBDISTRICT	LAFAYETTE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$85,212.80	112887	2020	126775
63030	INDIANAPOLIS SUBDISTRICT	TROY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$48,453.21	112794	2020	98138
61783	CRAWFORDSVILLE SUBDISTRICT	BLOOMINGDALE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$60,321.34	112762	2020	89748
62324	ELKHART SUBDISTRICT	SHIPSHEWANA UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$73,555.60	112149	2020	124608
63708	GREENFIELD SUBDISTRICT	GREENFIELD UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$92,727.59	111991	2020	176425
62683	WABASH SUBDISTRICT	WARSAW UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$88,311.50	111697	2020	152777
61881	CRAWFORDSVILLE SUBDISTRICT	VEEDERSBURG UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$51,348.26	111263	2020	77236
62400	WABASH SUBDISTRICT	PERU UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$106,894.34	111119	2020	206388
62384	ELKHART SUBDISTRICT	BRIMFIELD UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$73,434.74	110927	2020	150834
62810	WABASH SUBDISTRICT	LAUD UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$69,505.62	110661	2020	113152

62339	FORT WAYNE SUBDISTRICT	FORT WAYNE UNIT 1	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$84,939.19	110289	2020	134302
62343	FORT WAYNE SUBDISTRICT	NEW HAVEN UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$77,260.97	109662	2020	146946
61808	FRANKFORT SUBDISTRICT	LEBANON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$66,750.46	109473	2020	106802
64637	MONTICELLO SUBDISTRICT	MONTICELLO UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$99,019.29	109462	2020	177801
64657	LA PORTE SUBDISTRICT	MICHIGAN CITY UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$91,206.52	109310	2020	145999
64756	RENSSELAER SUBDISTRICT	RENSSELAER UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$64,133.88	108807	2020	121763
62239	FORT WAYNE SUBDISTRICT	NEW HAVEN UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$70,042.48	108642	2020	132200
61139	FRANKFORT SUBDISTRICT	FRANKFORT UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$77,850.19	108457	2020	124147
64528	PLYMOUTH SUBDISTRICT	PLYMOUTH UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$75,974.16	108374	2020	147379
64999	RENSSELAER SUBDISTRICT	ROSELAWN UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$65,592.59	108224	2020	105590
64755	MONTICELLO SUBDISTRICT	LOGANSPORT UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$82,193.17	107589	2020	160040
65301	COLUMBUS SUBDISTRICT	AMITY UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$84,604.09	107153	2020	186191
63658	INDIANAPOLIS SUBDISTRICT	MADISON ST UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$51,345.84	107071	2020	109386

63038	INDIANAPOLIS SUBDISTRICT	TROY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$51,583.48	106899	2020	105744
64610	LA PORTE SUBDISTRICT	WANATAH UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$67,114.44	106293	2020	125651
62640	BLUFFTON SUBDISTRICT	BLUFFTON UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$85,413.69	106215	2020	144557
65169	INDIANAPOLIS SUBDISTRICT	TROY UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$86,315.07	106197	2020	173106
64634	GARY SUBDISTRICT	CROWN POINT UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$82,924.81	106125	2020	145513
64665	MONTICELLO SUBDISTRICT	MONTICELLO UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$96,703.55	105913	2020	175425
64398	PLYMOUTH SUBDISTRICT	PLYMOUTH UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$60,230.17	105472	2020	111897
64676	MONTICELLO SUBDISTRICT	WINAMAC UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$99,667.27	105379	2020	187118
64718	RENSSELAER SUBDISTRICT	RENSSELAER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$49,549.80	105305	2020	82582
61590	TERRE HAUTE SUBDISTRICT	NEWPORT UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$68,682.62	105034	2020	123285
63347	INDIANAPOLIS SUBDISTRICT	TROY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$44,276.31	104518	2020	88001
62238	WABASH SUBDISTRICT	PERU UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$53,722.62	104428	2020	101294
64678	RENSSELAER SUBDISTRICT	RENSSELAER UNIT	1580	SINGLE AXLE	Active Unit	\$60,099.60	104361	2020	143333

				DUMP TRUCK					
63941	CAMBRIDGE CITY SUBDISTRICT	CENTERVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$68,202.78	104336	2020	114151
63620	CAMBRIDGE CITY SUBDISTRICT	CAMBRIDGE CITY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$48,887.27	104299	2020	78890
61962	TERRE HAUTE SUBDISTRICT	NEWPORT UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$59,874.03	103893	2020	91619
63348	INDIANAPOLIS SUBDISTRICT	71ST ST UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$64,627.51	103768	2020	99112
64565	PLYMOUTH SUBDISTRICT	MISHAWAKA UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$77,208.42	103732	2020	131193
64930	LA PORTE SUBDISTRICT	WANATAH UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$65,040.10	103519	2020	114146
63459	INDIANAPOLIS SUBDISTRICT	MADISON ST UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$54,050.61	103145	2020	122365
62275	FORT WAYNE SUBDISTRICT	WATERLOO UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$80,809.42	103056	2020	147842
63780	INDIANAPOLIS SUBDISTRICT	65TH ST UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$71,891.82	102897	2020	134787
64939	LA PORTE SUBDISTRICT	MICHIGAN CITY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$63,166.72	102745	2020	114549
64683	GARY SUBDISTRICT	GARY UNIT 4	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$61,469.07	102511	2020	124946

64747	WINAMAC LOGISTICAL SUPPORT CENTER	MEDARYVILLE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$85,943.03	102432	2020	166239
64618	GARY SUBDISTRICT	CROWN POINT UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$71,741.50	102431	2020	132700
64877	MONTICELLO SUBDISTRICT	WINAMAC UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$67,596.19	102023	2020	109690
63728	GREENFIELD SUBDISTRICT	ANDERSON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$53,709.78	101423	2020	86484
64607	GARY SUBDISTRICT	MILLER UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$57,977.89	101368	2020	108615
65163	MONTICELLO SUBDISTRICT	MONTICELLO UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$52,028.07	101136	2020	94442
65810	MADISON SUBDISTRICT	SALEM UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$81,583.45	101091	2020	158370
65022	WEST LAFAYETTE SUBDISTRICT	LAFAYETTE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$73,039.13	100708	2020	171638
63717	TIPTON SUBDISTRICT	FORTVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$48,831.14	100641	2020	78723
62795	BLUFFTON SUBDISTRICT	BLUFFTON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$63,548.42	100477	2020	103882
61069	FRANKFORT SUBDISTRICT	FRANKFORT UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$69,375.90	100161	2020	131381
63028	INDIANAPOLIS SUBDISTRICT	TROY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$44,880.85	100010	2020	89818
61593	TERRE HAUTE SUBDISTRICT	ASHBORO UNIT	1580	SINGLE AXLE	Active Unit	\$53,537.23	99920	2020	98876

				DUMP TRUCK					
64660	MONTICELLO SUBDISTRICT	WINAMAC UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$106,745.56	99666	2020	194690
64396	WINAMAC LOGISTICAL SUPPORT CENTER	ROCHESTER UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$82,264.27	99488	2020	110174
61498	TERRE HAUTE SUBDISTRICT	ASHBORO UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$50,485.95	99382	2020	80079
63432	ALBANY SUBDISTRICT	ALEXANDRIA UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$62,483.45	99332	2020	113752
64775	LA PORTE SUBDISTRICT	WANATAH UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$78,600.84	99289	2020	150438
63029	INDIANAPOLIS SUBDISTRICT	71ST ST UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$49,567.08	99266	2020	97069
63701	INDIANAPOLIS SUBDISTRICT	71ST ST UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$74,648.23	99171	2020	128597
64737	LA PORTE SUBDISTRICT	MICHIGAN CITY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$57,760.87	99003	2020	91355
62613	ELKHART SUBDISTRICT	BRIMFIELD UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$67,735.76	98979	2020	128516
61331	WEST LAFAYETTE SUBDISTRICT	LAFAYETTE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$81,898.62	98898	2020	135715
63133	FORT WAYNE SUBDISTRICT	WATERLOO UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$47,432.21	98698	2020	83499

64918	MONTICELLO SUBDISTRICT	MONTICELLO UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$82,224.24	98444	2020	130128
63480	LINTON SUBDISTRICT	CRANE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$71,118.44	98407	2020	154056
63575	CAMBRIDGE CITY SUBDISTRICT	LIBERTY UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$88,779.20	98399	2020	137717
64940	GARY SUBDISTRICT	CROWN POINT UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$45,340.31	98389	2020	81864
65894	CRAWFORDSVILLE SUBDISTRICT	CRAWFORDSVILLE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$68,596.86	98307	2020	168520
63698	CAMBRIDGE CITY SUBDISTRICT	CAMBRIDGE CITY UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$96,527.63	98155	2020	153687
63715	INDIANAPOLIS SUBDISTRICT	INDIANAPOLIS SUBDISTRICT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$60,615.10	97780	2020	97623
63690	GREENFIELD SUBDISTRICT	GREENFIELD UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$90,427.53	97574	2020	165327
63677	TIPTON SUBDISTRICT	WESTFIELD UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$69,145.22	97449	2020	115813
63537	TIPTON SUBDISTRICT	KOKOMO UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$71,556.53	97448	2020	116339
66858	LINTON SUBDISTRICT	SULLIVAN UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$55,448.01	97339	2020	82840
62085	ELKHART SUBDISTRICT	ELKHART UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$62,298.50	97275	2020	92179

62057	FORT WAYNE SUBDISTRICT	FORT WAYNE UNIT 1	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$58,157.13	97142	2020	82313
63140	WABASH SUBDISTRICT	LAUD UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$52,287.83	97089	2020	91882
65162	BLOOMINGTON SUBDISTRICT	BLOOMINGTON UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$47,759.72	96926	2020	105157
62016	WABASH SUBDISTRICT	PERU UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$50,472.55	96573	2020	79703
63935	INDIANAPOLIS SUBDISTRICT	TROY UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$88,239.28	96353	2020	162819
64703	RENSSELAER SUBDISTRICT	ROSELAWN UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$44,369.75	96222	2020	80728
63252	INDIANAPOLIS SUBDISTRICT	71ST ST UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$84,409.29	95928	2020	138528
65805	COLUMBUS SUBDISTRICT	AMITY UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$68,894.24	95853	2020	148985
64574	GARY SUBDISTRICT	MILLER UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$55,160.67	95727	2020	79159
65314	BLOOMINGTON SUBDISTRICT	BROWNSTOWN UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$49,571.14	95669	2020	81300
64675	GARY SUBDISTRICT	GARY UNIT 3	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$62,424.53	95560	2020	101696
61574	CLOVERDALE SUBDISTRICT	BAINBRIDGE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$59,276.46	95430	2020	112395

64100	ELKHART SUBDISTRICT	ELKHART UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$58,271.93	95355	2020	104402
61748	CRAWFORDSVILLE SUBDISTRICT	BLOOMINGDALE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$66,759.69	95255	2020	96858
62240	ELKHART SUBDISTRICT	ELKHART SUBDISTRICT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$87,261.26	95103	2020	170959
66022	FRANKFORT SUBDISTRICT	LEBANON UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$70,134.37	95020	2020	107397
64604	GARY SUBDISTRICT	CROWN POINT UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$76,271.41	94920	2020	146994
63684	ALBANY SUBDISTRICT	MUNCIE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$77,188.06	94774	2020	167625
64166	RENSELAER SUBDISTRICT	RENSELAER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$57,353.28	94697	2020	103423
65606	MADISON SUBDISTRICT	MADISON UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$78,078.17	94576	2020	128047
64780	GARY SUBDISTRICT	GARY UNIT 3	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$74,216.57	94416	2020	145666
61132	CRAWFORDSVILLE SUBDISTRICT	CRAWFORDSVILLE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$64,895.42	94206	2020	116530
63754	INDIANAPOLIS SUBDISTRICT	65TH ST UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$73,364.19	93957	2020	132752
63081	INDIANAPOLIS SUBDISTRICT	71ST ST UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$48,283.63	93876	2020	84531
65289	BLOOMINGTON SUBDISTRICT	BROWNSTOWN UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$66,447.97	93761	2020	163178

63616	ALBANY SUBDISTRICT	MUNCIE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$70,159.83	93669	2020	122008
63045	INDIANAPOLIS SUBDISTRICT	MADISON ST UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$47,341.85	93496	2020	95050
64922	GARY SUBDISTRICT	CROWN POINT UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$57,250.71	93482	2020	96204
64929	GARY SUBDISTRICT	CROWN POINT UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$49,708.62	93470	2020	85899
66803	LINTON SUBDISTRICT	SULLIVAN UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$64,258.90	93466	2020	105629
66279	LINTON SUBDISTRICT	CRANE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$64,219.93	93423	2020	119574
62001	ELKHART SUBDISTRICT	ELKHART UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$54,174.72	93215	2020	97757
64165	RENSELAER SUBDISTRICT	RENSELAER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$55,565.87	93112	2020	106742
65392	BLOOMINGTON SUBDISTRICT	BLOOMINGTON UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$60,792.15	92973	2020	99665
63443	CAMBRIDGE CITY SUBDISTRICT	NEW CASTLE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$70,123.11	92924	2020	136239
65290	BLOOMINGTON SUBDISTRICT	BLOOMINGTON UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$52,897.02	92900	2020	111873
63472	TIPTON SUBDISTRICT	KOKOMO UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$77,521.10	92882	2020	173543
61288	CLOVERDALE SUBDISTRICT	CLOVERDALE UNIT	1580	SINGLE AXLE	Active Unit	\$77,010.72	92797	2020	109390

				DUMP TRUCK					
63468	ALBANY SUBDISTRICT	WINCHESTER UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$90,537.76	92703	2020	175643
63430	ALBANY SUBDISTRICT	ALEXANDRIA UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$61,414.94	92684	2020	110307
64916	MONTICELLO SUBDISTRICT	MONTICELLO UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$80,509.60	92626	2020	142004
61563	WEST LAFAYETTE SUBDISTRICT	CARBONDALE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$74,578.35	92499	2020	119630
64073	WABASH SUBDISTRICT	LAUD UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$57,825.12	92408	2020	104514
66159	WEST LAFAYETTE SUBDISTRICT	FOWLER UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$38,878.62	92328	2020	96693
65596	COLUMBUS SUBDISTRICT	AMITY UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$55,240.30	92215	2020	90249
61584	AURORA SUBDISTRICT	AURORA UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$62,552.87	92030	2020	104826
66512	LINTON SUBDISTRICT	SULLIVAN UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$59,149.00	92007	2020	105563
64414	MONTICELLO SUBDISTRICT	LOGANSPORT UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$86,557.74	91908	2020	150065
63296	INDIANAPOLIS SUBDISTRICT	71ST ST UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$72,405.90	91800	2020	167846
62373	FORT WAYNE SUBDISTRICT	FORT WAYNE UNIT 1	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$66,976.89	91780	2020	138688
64768	GARY SUBDISTRICT	GARY UNIT 4	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$49,394.65	91680	2020	82971

65448	BLOOMINGTON SUBDISTRICT	MARTINSVILLE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$57,256.89	91667	2020	110310
62234	WABASH SUBDISTRICT	WABASH UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$80,387.00	91663	2020	131537
63022	INDIANAPOLIS SUBDISTRICT	MADISON ST UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$28,834.56	91401	2020	52975
65019	WEST LAFAYETTE SUBDISTRICT	LAFAYETTE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$51,389.68	91350	2020	130128
63669	ALBANY SUBDISTRICT	ALEXANDRIA UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$76,165.69	91199	2020	171338
64778	LA PORTE SUBDISTRICT	MICHIGAN CITY UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$64,445.45	90951	2020	119201
61573	FRANKFORT SUBDISTRICT	LEBANON UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$73,430.04	90540	2020	122426
66843	LINTON SUBDISTRICT	LINTON UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$53,513.99	90346	2020	94450
65318	COLUMBUS SUBDISTRICT	AMITY UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$83,946.27	89992	2020	143685
62811	ELKHART SUBDISTRICT	BRIMFIELD UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$71,623.21	89906	2020	117740
66634	EVANSVILLE SUBDISTRICT	CHANDLER UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$33,107.52	89581	2020	63476
61782	FRANKFORT SUBDISTRICT	ROMNEY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$77,292.40	89540	2020	111165

61487	CRAWFORDSVILLE SUBDISTRICT	VEEDERSBURG UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$60,465.77	89524	2020	90009
63419	ALBANY SUBDISTRICT	PORTLAND UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$51,103.81	89518	2020	84521
65083	GARY SUBDISTRICT	MILLER UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$74,209.10	89441	2020	158702
66283	VINCENNES SUBDISTRICT	LOGOOTEETEE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$55,190.54	89353	2020	105797
64661	MONTICELLO SUBDISTRICT	WINAMAC UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$93,105.46	89269	2020	200689
61061	WEST LAFAYETTE SUBDISTRICT	FOWLER UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$75,262.77	89137	2020	149236
66816	PAOLI SUBDISTRICT	PAOLI UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$54,260.54	89085	2020	87628
61681	TERRE HAUTE SUBDISTRICT	FORT HARRISON UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$53,749.84	89015	2020	87890
65291	COLUMBUS SUBDISTRICT	COLUMBUS UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$75,947.78	88971	2020	190179
63032	INDIANAPOLIS SUBDISTRICT	TROY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$54,351.74	88904	2020	106691
61068	CLOVERDALE SUBDISTRICT	CLOVERDALE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$81,315.08	88714	2020	133940
64758	PLYMOUTH SUBDISTRICT	MISHAWAKA UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$76,153.47	88709	2020	143985
66423	VINCENNES SUBDISTRICT	VINCENNES UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$95,661.76	88564	2020	90809

66228	TELL CITY SUBDISTRICT	DERBY UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$42,108.78	88509	2020	32416
65608	COLUMBUS SUBDISTRICT	AMITY UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$59,721.21	88148	2020	112354
65604	MADISON SUBDISTRICT	MADISON UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$63,067.52	87538	2020	108835
61290	FRANKFORT SUBDISTRICT	LEBANON UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$68,867.52	87409	2020	116682
65161	GARY SUBDISTRICT	CROWN POINT UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$48,682.72	87379	2020	110379
65807	BLOOMINGTON SUBDISTRICT	MARTINSVILLE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$70,481.51	87225	2020	148679
63477	ALBANY SUBDISTRICT	PORTLAND UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$77,523.78	87219	2020	167135
62796	BLUFFTON SUBDISTRICT	MONROE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$63,560.04	87016	2020	102288
66317	LINTON SUBDISTRICT	SULLIVAN UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$75,804.15	86767	2020	133345
64004	LA PORTE SURPLUS	LA PORTE SURPLUS	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$74,089.68	86757	2020	153711
62345	FORT WAYNE SUBDISTRICT	NEW HAVEN UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$79,776.19	86483	2020	169611
65283	AURORA SUBDISTRICT	BROOKVILLE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$81,698.32	86411	2020	172324
65311	MADISON SUBDISTRICT	SCOTTSBURG UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$63,927.74	85927	2020	96943
64048	GARY SUBDISTRICT	GARY UNIT 3	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$55,638.94	85755	2020	86251

65804	COLUMBUS SUBDISTRICT	COLUMBUS UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$70,549.11	85457	2020	197479
65449	COLUMBUS SUBDISTRICT	COLUMBUS UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$53,252.08	85442	2020	107348
65322	MADISON SUBDISTRICT	MADISON UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$81,159.13	85413	2020	146829
64972	LA PORTE SUBDISTRICT	CHESTERTON UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$62,060.33	85380	2020	103972
61185	CLOVERDALE SUBDISTRICT	LIZTON UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$56,705.13	85193	2020	129437
62727	FORT WAYNE SUBDISTRICT	FORT WAYNE UNIT 1	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$50,354.52	85128	2020	80292
64969	MONTICELLO SUBDISTRICT	WINAMAC UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$59,071.59	84881	2020	93974
63716	TIPTON SUBDISTRICT	WESTFIELD UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$48,755.50	84814	2020	78346
61365	TERRE HAUTE SUBDISTRICT	TERRE HAUTE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$26,621.91	84811	2020	48563
64520	LA PORTE SUBDISTRICT	LA PORTE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$83,715.22	84795	2020	191429
62333	FORT WAYNE SUBDISTRICT	NEW HAVEN UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$91,005.11	84793	2020	138707
63018	INDIANAPOLIS SUBDISTRICT	TROY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$43,314.26	84793	2020	85100

66639	PAOLI SUBDISTRICT	BEDFORD UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$38,550.09	84730	2020	70073
63031	INDIANAPOLIS SUBDISTRICT	MADISON ST UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$40,201.04	84605	2020	82713
61685	CRAWFORDSVILLE SUBDISTRICT	CRAWFORDSVILLE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$59,011.51	84582	2020	94924
62947	ELKHART SUBDISTRICT	ELKHART UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$59,708.50	84291	2020	105254
62954	WABASH SUBDISTRICT	WABASH UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$57,285.92	84267	2020	88561
64680	GARY SUBDISTRICT	GARY UNIT 3	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$63,449.04	84047	2020	100915
64757	RENSSELAER SUBDISTRICT	ROSELAWN UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$64,304.35	83907	2020	125798
61673	FRANKFORT SUBDISTRICT	ROMNEY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$56,236.48	83857	2020	81881
64818	GARY SUBDISTRICT	MILLER UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$63,274.52	83779	2020	91157
65809	MADISON SUBDISTRICT	MADISON UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$91,157.92	83698	2020	184292
66286	VINCENNES SUBDISTRICT	VINCENNES UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$44,362.35	83641	2020	83414
64662	LA PORTE SUBDISTRICT	CHESTERTON UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$88,895.42	83592	2020	187581

63086	INDIANAPOLIS SUBDISTRICT	65TH ST UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$49,761.84	83532	2020	82093
65603	FALLS CITY SUBDISTRICT	CORYDON UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$63,828.78	83502	2020	125595
61746	FRANKFORT SUBDISTRICT	FRANKFORT UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$60,970.47	83410	2020	114121
63975	TIPTON SUBDISTRICT	FORTVILLE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$60,470.22	83268	2020	105679
61108	WEST LAFAYETTE SUBDISTRICT	CARBONDALE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$50,113.80	83188	2020	113405
61804	CLOVERDALE SUBDISTRICT	CLOVERDALE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$52,468.38	83177	2020	80318
63970	GREENFIELD SUBDISTRICT	ANDERSON UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$67,165.23	82923	2020	120106
65450	MADISON SUBDISTRICT	SCOTTSBURG UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$52,694.28	82765	2020	101844
61111	WEST LAFAYETTE SUBDISTRICT	LAFAYETTE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$68,833.05	82581	2020	163800
63952	GREENFIELD SUBDISTRICT	SHELBYVILLE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$62,123.56	82536	2020	119766
61753	CRAWFORDSVILLE SUBDISTRICT	VEEDERSBURG UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$60,514.30	82210	2020	111640
61329	TERRE HAUTE SUBDISTRICT	TERRE HAUTE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$72,804.70	81912	2020	111580
62391	FORT WAYNE SUBDISTRICT	FORT WAYNE UNIT 1	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$79,208.48	81683	2020	163320

61316	TERRE HAUTE SUBDISTRICT	NEWPORT UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$69,331.82	81657	2020	110768
64671	LA PORTE SUBDISTRICT	MICHIGAN CITY UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$90,318.13	81608	2020	206441
66518	VINCENNES SUBDISTRICT	LOGOOTEETEE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$61,180.65	81601	2020	99875
61784	TERRE HAUTE SUBDISTRICT	TERRE HAUTE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$46,602.69	81600	2020	73540
61341	CRAWFORDSVILLE SUBDISTRICT	VEEDERSBURG UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$94,015.09	81587	2020	153065
63757	TIPTON SUBDISTRICT	TIPTON UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$113,628.56	81571	2020	147225
65377	BLOOMINGTON SUBDISTRICT	BLOOMINGTON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$48,413.55	81307	2020	70272
64748	LA PORTE SUBDISTRICT	LA PORTE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$53,830.14	81304	2020	119238
62893	WABASH SUBDISTRICT	PERU UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$54,826.28	80976	2020	85552
61133	CRAWFORDSVILLE SUBDISTRICT	CRAWFORDSVILLE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$78,839.43	80752	2020	147948
62452	FORT WAYNE SUBDISTRICT	WATERLOO UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$52,888.77	80701	2020	92490
66841	LINTON SUBDISTRICT	LINTON UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$60,527.43	80508	2020	99036

62051	FORT WAYNE SUBDISTRICT	ANGOLA UNIT 1	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$71,036.13	80286	2020	106273
61708	CRAWFORDSVILLE SUBDISTRICT	CRAWFORDSVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$58,267.18	80193	2020	89945
62879	FORT WAYNE SUBDISTRICT	WATERLOO UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$49,827.69	79998	2020	84555
63755	GREENFIELD SUBDISTRICT	SHELBYVILLE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$66,166.94	79838	2020	126070
63671	ALBANY SUBDISTRICT	MUNCIE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$71,647.94	79830	2020	125823
61021	TERRE HAUTE SUBDISTRICT	TERRE HAUTE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$43,164.10	79706	2020	83042
63718	TIPTON SUBDISTRICT	KOKOMO UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$44,531.71	79703	2020	74012
65293	FALLS CITY SUBDISTRICT	CORYDON UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$73,109.26	79669	2020	184208
64897	PLYMOUTH SUBDISTRICT	PLYMOUTH UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$48,246.90	79457	2020	84377
63670	ALBANY SUBDISTRICT	WINCHESTER UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$70,335.60	79358	2020	154777
64707	LA PORTE SUBDISTRICT	LA PORTE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$60,694.10	79284	2020	101112
61803	CLOVERDALE SUBDISTRICT	CLOVERDALE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$59,055.65	79238	2020	94559

63664	CAMBRIDGE CITY SUBDISTRICT	NEW CASTLE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$72,536.16	79116	2020	148626
64278	ELKHART SUBDISTRICT	BRIMFIELD UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$56,924.21	78964	2020	113839
63623	GREENFIELD SUBDISTRICT	ANDERSON UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$84,750.38	78942	2020	145328
66481	EVANSVILLE SUBDISTRICT	CHANDLER UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$47,537.05	78718	2020	83990
65304	MADISON SUBDISTRICT	SALEM UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$61,976.79	78588	2020	129924
62336	FORT WAYNE SUBDISTRICT	FORT WAYNE UNIT 1	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$71,110.12	78515	2020	142813
61129	TERRE HAUTE SUBDISTRICT	TERRE HAUTE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$48,366.57	78439	2020	96422
63663	CAMBRIDGE CITY SUBDISTRICT	CENTERVILLE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$59,552.44	78337	2020	118378
65802	AURORA SUBDISTRICT	AURORA UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$68,592.52	78174	2020	138601
65292	GARY SUBDISTRICT	GARY UNIT 4	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$71,733.84	78156	2020	166112
63751	GREENFIELD SUBDISTRICT	GREENFIELD UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$84,078.88	78082	2020	145398
64226	ELKHART SUBDISTRICT	SHIPSHEWANA UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$61,274.62	78055	2020	115866
66628	EVANSVILLE SUBDISTRICT	EVANSVILLE UNIT 1	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$43,432.72	78013	2020	79010

61752	WEST LAFAYETTE SUBDISTRICT	CARBONDALE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$78,864.11	77815	2020	141155
65313	COLUMBUS SUBDISTRICT	COLUMBUS UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$78,240.79	77779	2020	135394
62558	FORT WAYNE SUBDISTRICT	WATERLOO UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$62,754.06	77724	2020	105451
66983	LINTON SUBDISTRICT	LINTON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$42,527.74	77702	2020	67925
62932	BLUFFTON SUBDISTRICT	GAS CITY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$46,511.23	77595	2020	89808
63778	ALBANY SUBDISTRICT	MUNCIE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$52,303.53	77483	2020	99313
64966	LA PORTE SUBDISTRICT	WANATAH UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$70,120.12	77329	2020	124491
64959	PLYMOUTH SUBDISTRICT	PLYMOUTH UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$79,253.69	77126	2020	143723
66894	VINCENNES SUBDISTRICT	OAKLAND CITY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$30,596.15	76700	2020	47407
64096	RENSSELAER SUBDISTRICT	ROSELAWN UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$49,969.00	76589	2020	98202
65319	FALLS CITY SUBDISTRICT	SELLERSBURG UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$57,150.41	76583	2020	95551

65398	MADISON SUBDISTRICT	SALEM UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$64,849.21	76550	2020	113460
66417	EVANSVILLE SUBDISTRICT	EVANSVILLE UNIT 1	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$26,715.40	76392	2020	55413
61591	CRAWFORDSVILLE SUBDISTRICT	CRAWFORDSVILLE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$56,790.47	76097	2020	97504
66818	LINTON SUBDISTRICT	SULLIVAN UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$43,973.59	75963	2020	73885
64779	GARY SUBDISTRICT	CROWN POINT UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$52,427.06	75944	2020	94202
64875	LA PORTE SUBDISTRICT	CHESTERTON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$62,947.68	75941	2020	97299
63657	TIPTON SUBDISTRICT	TIPTON UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$71,767.84	75775	2020	138138
62157	ELKHART SUBDISTRICT	ELKHART UNIT	1592	TANDEM AXLE TOW PLOW TRUCK	Active Unit	\$41,056.30	75590	2020	63867
64766	LA PORTE SUBDISTRICT	MICHIGAN CITY UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$78,202.28	75464	2020	158299
63329	INDIANAPOLIS SUBDISTRICT	TROY UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$70,651.95	75458	2020	128688
65097	AURORA SUBDISTRICT	BROOKVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$53,928.17	75433	2020	90398
63962	ALBANY SUBDISTRICT	MUNCIE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$42,240.96	75360	2020	77340
63407	CAMBRIDGE CITY SUBDISTRICT	LIBERTY UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$75,892.27	75306	2020	130022
65597	COLUMBUS SUBDISTRICT	AMITY UNIT	1580	SINGLE AXLE	Active Unit	\$43,956.73	75181	2020	79328

				DUMP TRUCK					
62872	CLOVERDALE SUBDISTRICT	LIZTON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$43,270.23	75178	2020	84270
61682	CLOVERDALE SUBDISTRICT	CLOVERDALE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$64,708.17	75127	2020	110798
64761	PLYMOUTH SUBDISTRICT	PLYMOUTH UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$70,984.82	75045	2020	153573
62931	WABASH SUBDISTRICT	WARSAW UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$60,545.75	75042	2020	109027
62915	CRAWFORDSVILLE SUBDISTRICT	BLOOMINGDALE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$41,869.85	74775	2020	78430
63971	TIPTON SUBDISTRICT	WESTFIELD UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$50,973.12	74716	2020	92492
66424	TELL CITY SUBDISTRICT	DALE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$52,977.79	74495	2020	95649
64222	RENSSELAER SUBDISTRICT	ROSELAWN UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$43,964.77	74042	2020	85576
66842	TELL CITY SUBDISTRICT	CHRISNEY UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$38,213.87	73983	2020	67470
66823	TELL CITY SUBDISTRICT	DALE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$42,016.17	73836	2020	60568
64753	GARY SUBDISTRICT	GARY UNIT 4	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$67,780.38	73729	2020	117649
66186	PAOLI SUBDISTRICT	BEDFORD UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$42,566.39	73685	2020	86304

62316	FORT WAYNE SUBDISTRICT	NEW HAVEN UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$42,673.56	73670	2020	73858
65803	BLOOMINGTON SUBDISTRICT	MARTINSVILLE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$58,429.30	73599	2020	19450
64953	LA PORTE SUBDISTRICT	CHESTERTON UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$45,883.34	73553	2020	64570
61258	FRANKFORT SUBDISTRICT	FRANKFORT UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$60,868.03	73463	2020	116496
63709	CAMBRIDGE CITY SUBDISTRICT	NEW CASTLE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$94,668.83	73430	2020	153643
64110	LA PORTE SUBDISTRICT	LA PORTE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$61,841.03	73159	2020	109592
66135	EVANSVILLE SUBDISTRICT	EVANSVILLE UNIT 2	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$34,290.98	73007	2020	79765
61829	CLOVERDALE SUBDISTRICT	PLAINFIELD UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$56,172.61	72653	2020	90542
63035	INDIANAPOLIS SUBDISTRICT	MADISON ST UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$42,193.36	72481	2020	90321
64024	LA PORTE SUBDISTRICT	LA PORTE SUBDISTRICT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$56,130.49	72275	2020	100759
64921	GARY SUBDISTRICT	GARY UNIT 4	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$57,730.90	72223	2020	87814
66967	PAOLI SUBDISTRICT	PAOLI UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$53,698.08	72074	2020	95386

64708	WINAMAC LOGISTICAL SUPPORT CENTER	ROCHESTER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$47,923.87	72012	2020	82831
65594	BLOOMINGTON SUBDISTRICT	BLOOMINGTON UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$34,786.20	71642	2020	61440
63954	INDIANAPOLIS SUBDISTRICT	TROY UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$58,410.98	71619	2020	111147
63949	GREENFIELD SUBDISTRICT	RUSHVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$65,348.88	71558	2020	110131
62314	FORT WAYNE SUBDISTRICT	FORT WAYNE UNIT 1	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$45,308.52	71473	2020	75257
61911	CLOVERDALE SUBDISTRICT	PLAINFIELD UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$50,087.80	71385	2020	87158
65400	MADISON SUBDISTRICT	NORTH VERNON UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$68,348.59	71322	2020	118790
61137	CLOVERDALE SUBDISTRICT	LIZTON UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$66,532.21	71002	2020	159934
65397	FALLS CITY SUBDISTRICT	SELLERSBURG UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$41,524.64	70916	2020	85246
63132	TIPTON SUBDISTRICT	FORTVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$38,206.12	70789	2020	65602
61977	TERRE HAUTE SUBDISTRICT	TERRE HAUTE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$40,594.59	70598	2020	86088
61352	VINCENNES SUBDISTRICT	OAKLAND CITY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$32,311.20	70503	2020	57742

66415	VINCENNES SUBDISTRICT	VINCENNES UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$51,635.14	70494	2020	74778
66384	TELL CITY SUBDISTRICT	BIRDSEYE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$38,675.26	70270	2020	64539
63554	ALBANY SUBDISTRICT	WINCHESTER UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$66,332.15	70270	2020	119897
64970	GARY SUBDISTRICT	GARY UNIT 4	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$34,259.39	70110	2020	82633
66138	PAOLI SUBDISTRICT	BEDFORD UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$34,403.85	70091	2020	75087
64078	RENSELAER SUBDISTRICT	ROSELAWN UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$42,901.69	69920	2020	86930
63748	CAMBRIDGE CITY SUBDISTRICT	CAMBRIDGE CITY UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$80,784.37	69763	2020	137872
64159	PLYMOUTH SUBDISTRICT	PLYMOUTH UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$62,656.96	69422	2020	108333
63635	CAMBRIDGE CITY SUBDISTRICT	NEW CASTLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$54,987.50	69398	2020	94148
64099	FORT WAYNE SUBDISTRICT	ANGOLA UNIT 1	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$37,293.55	69380	2020	66093
65599	FALLS CITY SUBDISTRICT	CORYDON UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$69,625.14	69234	2020	136697
61802	CLOVERDALE SUBDISTRICT	CLOVERDALE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$62,382.64	68936	2020	96803

62905	FORT WAYNE SUBDISTRICT	FORT WAYNE UNIT 1	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$33,321.93	68831	2020	54409
65333	AURORA SUBDISTRICT	AURORA UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$81,869.59	68827	2020	145484
64732	LA PORTE SUBDISTRICT	LA PORTE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$53,017.99	68762	2020	88291
62888	WABASH SUBDISTRICT	LAUD UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$51,245.61	68749	2020	86150
63473	CAMBRIDGE CITY SUBDISTRICT	LIBERTY UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$74,929.35	68748	2020	140700
62436	FORT WAYNE SUBDISTRICT	FORT WAYNE UNIT 1	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$51,521.15	68660	2020	88614
62889	ELKHART SUBDISTRICT	SHIPSHEWANA UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$60,286.49	68336	2020	114029
66277	VINCENNES SUBDISTRICT	OAKLAND CITY UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$44,896.84	68173	2020	96509
63721	GREENFIELD SUBDISTRICT	GREENFIELD UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$51,120.90	68114	2020	86060
62313	ELKHART SUBDISTRICT	SHIPSHEWANA UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$62,121.31	68044	2020	106811
66840	VINCENNES SUBDISTRICT	VINCENNES UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$47,347.65	67949	2020	78580
65299	FALLS CITY SUBDISTRICT	SELLERSBURG UNIT	1580	SINGLE AXLE	Active Unit	\$54,382.99	67920	2020	113995

				DUMP TRUCK					
65408	AURORA SUBDISTRICT	AURORA UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$65,228.53	67886	2020	116836
66460	EVANSVILLE SUBDISTRICT	EVANSVILLE UNIT 2	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$39,798.78	67857	2020	71500
65806	MADISON SUBDISTRICT	SCOTTSBURG UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$69,103.46	67810	2020	139040
63622	CAMBRIDGE CITY SUBDISTRICT	CAMBRIDGE CITY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$54,423.02	67728	2020	88419
66278	VINCENNES SUBDISTRICT	OAKLAND CITY UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$51,958.50	67514	2020	91854
62027	BLUFFTON SUBDISTRICT	GAS CITY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$49,596.94	67414	2020	97117
64956	LA PORTE SURPLUS	LA PORTE SURPLUS	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$97,478.96	67331	2020	192781
66422	TELL CITY SUBDISTRICT	DERBY UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$59,039.02	67278	2020	96123
66134	LINTON SUBDISTRICT	CRANE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$43,702.15	67241	2020	95960
62018	FORT WAYNE SUBDISTRICT	ANGOLA UNIT 1	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$54,886.82	67112	2020	97862
61259	CLOVERDALE SUBDISTRICT	PLAINFIELD UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$57,930.43	67016	2020	125706
66810	VINCENNES SUBDISTRICT	OAKLAND CITY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$51,479.89	66903	2020	83324
66462	VINCENNES SUBDISTRICT	VINCENNES UNIT	1580	SINGLE AXLE	Active Unit	\$43,782.67	66873	2020	83192

				DUMP TRUCK					
61575	CRAWFORDSVILLE SUBDISTRICT	VEEDERSBURG UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$58,595.12	66477	2020	100490
66280	EVANSVILLE SUBDISTRICT	CHANDLER UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$41,362.71	66467	2020	87891
63078	CAMBRIDGE CITY SUBDISTRICT	CAMBRIDGE CITY UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$43,632.99	66444	2020	75705
61177	FRANKFORT SUBDISTRICT	LEBANON UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$54,693.82	66429	2020	92769
66626	VINCENNES SUBDISTRICT	VINCENNES UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$39,427.29	66311	2020	70081
66316	LINTON SUBDISTRICT	LINTON UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$60,341.76	66287	2020	118742
64467	GARY SUBDISTRICT	GARY UNIT 3	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$62,767.46	66109	2020	98981
62885	FRANKFORT SUBDISTRICT	FRANKFORT UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$42,921.87	65979	2020	76477
63779	TIPTON SUBDISTRICT	TIPTON UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$64,662.87	65913	2020	108893
65388	FALLS CITY SUBDISTRICT	CORYDON UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$57,871.79	65816	2020	116778
61449	TERRE HAUTE SUBDISTRICT	FORT HARRISON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$30,331.67	65735	2020	46274
63331	TIPTON SUBDISTRICT	WESTFIELD UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$47,966.73	65728	2020	81362

64157	BLUFFTON SUBDISTRICT	MONROE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$49,917.17	65700	2020	91891
64882	LA PORTE SUBDISTRICT	MICHIGAN CITY UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$47,981.03	65540	2020	75911
64713	PLYMOUTH SUBDISTRICT	MISHAWAKA UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$49,875.92	65513	2020	77660
66884	PAOLI SUBDISTRICT	BEDFORD UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$34,212.96	65497	2020	49654
64879	RENSSELAER SUBDISTRICT	RENSSELAER UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$46,959.30	65451	2020	78286
61109	TERRE HAUTE SUBDISTRICT	FORT HARRISON UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$50,541.49	65383	2020	97538
65402	FALLS CITY SUBDISTRICT	CORYDON UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$58,111.94	65170	2020	116775
61749	CLOVERDALE SUBDISTRICT	CLOVERDALE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$65,770.98	65061	2020	111680
63024	INDIANAPOLIS SUBDISTRICT	MADISON ST UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$27,891.54	64726	2020	57486
63044	INDIANAPOLIS SUBDISTRICT	TROY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$31,602.42	64642	2020	56002
65601	MADISON SUBDISTRICT	SALEM UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$45,316.20	64471	2020	79618
65713	COLUMBUS SUBDISTRICT	COLUMBUS UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$42,114.27	64467	2020	66063

61978	WEST LAFAYETTE SUBDISTRICT	LAFAYETTE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$60,232.04	64458	2020	135226
64085	ELKHART SUBDISTRICT	ELKHART UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$48,632.52	64352	2020	85001
63306	INDIANAPOLIS SUBDISTRICT	71ST ST UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$67,920.66	64269	2020	127500
64720	PLYMOUTH SUBDISTRICT	PLYMOUTH UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$50,114.63	64258	2020	87347
64128	FORT WAYNE SUBDISTRICT	ANGOLA UNIT 1	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$54,206.75	64176	2020	93110
64955	PLYMOUTH SUBDISTRICT	PLYMOUTH UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$45,849.09	64138	2020	82190
62021	CLOVERDALE SUBDISTRICT	LIZTON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$42,066.91	63771	2020	79958
65591	AURORA SUBDISTRICT	AURORA UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$57,099.87	63668	2020	102767
66395	TELL CITY SUBDISTRICT	DERBY UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$42,704.50	63625	2020	77084
66346	EVANSVILLE SUBDISTRICT	EVANSVILLE UNIT 2	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$40,008.42	63297	2020	70868
64731	MONTICELLO SUBDISTRICT	LOGANSPORT UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$52,873.47	63227	2020	87213
62914	BLUFFTON SUBDISTRICT	MONROE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$50,625.54	63140	2020	86505

61572	FRANKFORT SUBDISTRICT	FRANKFORT UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$64,978.57	63066	2020	107528
61216	CLOVERDALE SUBDISTRICT	PLAINFIELD UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$57,936.88	62996	2020	109108
64109	PLYMOUTH SUBDISTRICT	MISHAWAKA UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$46,293.43	62826	2020	86609
63964	ALBANY SUBDISTRICT	PORTLAND UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$57,116.83	62793	2020	108219
64227	PLYMOUTH SUBDISTRICT	MISHAWAKA UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$56,515.27	62610	2020	100260
64101	ELKHART SUBDISTRICT	BRIMFIELD UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$61,774.93	62584	2020	116551
62907	WABASH SUBDISTRICT	PERU UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$57,996.82	62525	2020	93809
61558	CLOVERDALE SUBDISTRICT	PLAINFIELD UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$76,494.46	62502	2020	220595
64863	LA PORTE SUBDISTRICT	CHESTERTON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$49,229.85	62440	2020	78429
65605	MADISON SUBDISTRICT	SCOTTSBURG UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$57,266.27	62425	2020	92201
66764	TELL CITY SUBDISTRICT	DERBY UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$45,475.12	62315	2020	81437
65593	BLOOMINGTON SUBDISTRICT	MARTINSVILLE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$49,002.82	62279	2020	87920

64265	FRANKFORT SUBDISTRICT	LEBANON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$59,577.28	62120	2020	102965
64710	FORT WAYNE SUBDISTRICT	NEW HAVEN UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$39,454.04	61630	2020	64625
65339	AURORA SUBDISTRICT	AURORA UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$65,690.25	61517	2020	120485
64075	LINTON SUBDISTRICT	SULLIVAN UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$42,145.80	61444	2020	70537
66282	VINCENNES SUBDISTRICT	OAKLAND CITY UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$67,863.89	61315	2020	110595
61369	TERRE HAUTE SUBDISTRICT	ASHBORO UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$58,206.01	61143	2020	91296
66272	PAOLI SUBDISTRICT	BEDFORD UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$42,089.70	60982	2020	85433
66137	PAOLI SUBDISTRICT	JASPER UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$33,308.66	60771	2020	79035
64965	WINAMAC LOGISTICAL SUPPORT CENTER	ROCHESTER UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$55,218.99	60590	2020	85952
64721	MONTICELLO SUBDISTRICT	LOGANSPORT UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$55,531.54	60463	2020	89635
66139	TELL CITY SUBDISTRICT	DERBY UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$62,378.90	60435	2020	89852
61253	TERRE HAUTE SUBDISTRICT	TERRE HAUTE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$43,648.47	60171	2020	105701
64997	MONTICELLO SUBDISTRICT	MONTICELLO UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$54,050.43	59926	2020	84776

64155	GARY SUBDISTRICT	MILLER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$56,588.97	59853	2020	88724
66274	PAOLI SUBDISTRICT	JASPER UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$34,372.80	59603	2020	77495
66066	EVANSVILLE SUBDISTRICT	POSEYVILLE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$35,449.30	59398	2020	90051
65625	FALLS CITY SUBDISTRICT	SELLERSBURG UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$47,509.96	59100	2020	79046
63951	ALBANY SUBDISTRICT	WINCHESTER UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$52,483.44	59006	2020	109056
66385	TELL CITY SUBDISTRICT	DALE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$41,380.04	58997	2020	71609
66363	EVANSVILLE SUBDISTRICT	EVANSVILLE UNIT 2	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$45,025.31	58881	2020	80755
61450	VINCENNES SUBDISTRICT	LOGOOTEETEE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$36,627.00	58852	2020	52955
61756	FRANKFORT SUBDISTRICT	FRANKFORT UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$66,265.32	58838	2020	103412
64072	PLYMOUTH SUBDISTRICT	MISHAWAKA UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$56,881.98	58579	2020	100376
66258	EVANSVILLE SUBDISTRICT	EVANSVILLE UNIT 2	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$78,855.71	58428	2020	117142
64998	TELL CITY SUBDISTRICT	DALE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$47,431.57	58335	2020	75428
66140	CRAWFORDSVILLE SUBDISTRICT	CRAWFORDSVILLE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$63,317.79	58200	2020	96787

66652	EVANSVILLE SUBDISTRICT	EVANSVILLE UNIT 1	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$33,197.45	58018	2020	55917
62962	WABASH SUBDISTRICT	WARSAW UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$53,868.41	57961	2020	96688
64081	GARY SUBDISTRICT	CROWN POINT UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$72,536.61	57718	2020	127473
62904	FORT WAYNE SUBDISTRICT	FORT WAYNE UNIT 1	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$53,965.68	57422	2020	86864
61571	TERRE HAUTE SUBDISTRICT	FORT HARRISON UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$51,878.60	57109	2020	86356
62029	PAOLI SUBDISTRICT	PAOLI UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$37,158.10	57080	2020	63850
63063	INDIANAPOLIS SUBDISTRICT	MADISON ST UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$39,738.49	57008	2020	79754
63418	CAMBRIDGE CITY SUBDISTRICT	NEW CASTLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$48,649.76	56898	2020	83091
63707	CAMBRIDGE CITY SUBDISTRICT	LIBERTY UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$79,013.22	56614	2020	134352
66922	TELL CITY SUBDISTRICT	BIRDSEYE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$34,495.29	56519	2020	61567
64816	GARY SUBDISTRICT	CROWN POINT UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$44,163.99	56381	2020	65767
61745	CLOVERDALE SUBDISTRICT	CLOVERDALE UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$67,072.95	56051	2020	117581

64126	BLUFFTON SUBDISTRICT	GAS CITY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$50,939.76	55938	2020	93235
62894	FORT WAYNE SUBDISTRICT	FORT WAYNE UNIT 1	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$52,337.08	55797	2020	86021
66889	EVANSVILLE SUBDISTRICT	CHANDLER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$27,306.85	55782	2020	48488
66808	VINCENNES SUBDISTRICT	VINCENNES UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$32,500.88	55778	2020	53642
63530	GREENFIELD SUBDISTRICT	RUSHVILLE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$70,467.16	55742	2020	128378
65716	FALLS CITY SUBDISTRICT	CORYDON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$41,092.80	55554	2020	70158
66276	TELL CITY SUBDISTRICT	DERBY UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$51,459.50	55163	2020	109156
65386	COLUMBUS SUBDISTRICT	COLUMBUS UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$59,791.30	55153	2020	99276
66184	LINTON SUBDISTRICT	CRANE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$33,641.66	54934	2020	73815
66419	TELL CITY SUBDISTRICT	BIRDSEYE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$43,938.46	54911	2020	85815
66421	VINCENNES SUBDISTRICT	VINCENNES UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$53,922.72	54863	2020	108454
65298	AURORA SUBDISTRICT	PENNTOWN UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$37,284.15	54729	2020	64016

64223	LA PORTE SUBDISTRICT	CHESTERTON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$59,749.50	54264	2020	95253
65530	BLOOMINGTON SUBDISTRICT	BROWNSTOWN UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$50,848.49	54193	2020	87071
64772	LA PORTE SUBDISTRICT	CHESTERTON UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$75,203.48	53738	2020	145128
62878	TELL CITY SUBDISTRICT	CHRISNEY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$31,295.95	53617	2020	51320
61579	CLOVERDALE SUBDISTRICT	LIZTON UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$68,145.19	53054	2020	105684
66136	EVANSVILLE SUBDISTRICT	CHANDLER UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$39,061.58	52827	2020	73517
63704	CAMBRIDGE CITY SUBDISTRICT	CENTERVILLE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$55,914.03	52705	2020	99513
65165	INDIANA DEPARTMENT OF TRANSPORTATION	INDIANA DEPARTMENT OF TRANSPORTATION	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$34,354.23	52297	2020	73010
66414	TELL CITY SUBDISTRICT	CHRISNEY UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$36,659.12	52141	2020	75632
63080	INDIANAPOLIS SUBDISTRICT	71ST ST UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$54,527.02	52080	2020	92121
66267	EVANSVILLE SUBDISTRICT	EVANSVILLE UNIT 1	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$35,220.32	52077	2020	79895
64988	GARY SUBDISTRICT	GARY UNIT 4	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$70,202.77	51320	2020	112265
61131	FRANKFORT SUBDISTRICT	LEBANON UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$38,717.22	51194	2020	113328

65177	MADISON SUBDISTRICT	SCOTTSBURG UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$38,251.30	51190	2020	67613
66989	EVANSVILLE SUBDISTRICT	POSEYVILLE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$31,532.77	50539	2020	59172
66364	EVANSVILLE SUBDISTRICT	CHANDLER UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$31,844.65	50448	2020	57935
64082	GARY SUBDISTRICT	GARY UNIT 3	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$65,276.99	50319	2020	105426
64127	BLUFFTON SUBDISTRICT	MONROE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$40,430.32	50241	2020	71956
66383	EVANSVILLE SUBDISTRICT	EVANSVILLE UNIT 1	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$42,947.34	50065	2020	80869
66420	LINTON SUBDISTRICT	CRANE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$36,778.39	49992	2020	74768
66508	PAOLI SUBDISTRICT	BEDFORD UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$41,209.84	49917	2020	71170
62019	BLOOMINGTON SUBDISTRICT	BLOOMINGTON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$30,681.67	48946	2020	53537
61838	WEST LAFAYETTE SUBDISTRICT	LAFAYETTE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$39,343.05	48930	2020	78484
66998	TELL CITY SUBDISTRICT	BIRDSEYE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$27,954.25	48721	2020	42187
66931	EVANSVILLE SUBDISTRICT	EVANSVILLE UNIT 1	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$32,034.27	48462	2020	55890
66927	EVANSVILLE SUBDISTRICT	POSEYVILLE UNIT	1580	SINGLE AXLE	Active Unit	\$33,679.24	48422	2020	68198

				DUMP TRUCK					
65609	FALLS CITY SUBDISTRICT	SELLERSBURG UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$29,752.18	48201	2020	46579
65612	FALLS CITY SUBDISTRICT	SELLERSBURG UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$28,345.98	48131	2020	46690
64098	GARY SUBDISTRICT	MILLER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$51,704.67	47904	2020	80839
61750	CLOVERDALE SUBDISTRICT	BAINBRIDGE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$69,844.43	47610	2020	132595
64700	MONTICELLO SUBDISTRICT	WINAMAC UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$58,761.69	47314	2020	95515
61291	WEST LAFAYETTE SUBDISTRICT	LAFAYETTE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$31,009.09	47160	2020	61430
66377	VINCENNES SUBDISTRICT	VINCENNES UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$19,902.60	47097	2020	17089
61780	WEST LAFAYETTE SUBDISTRICT	CARBONDALE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$37,185.10	46689	2020	76343
66926	EVANSVILLE SUBDISTRICT	CHANDLER UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$46,205.92	46650	2020	90465
63493	GREENFIELD SUBDISTRICT	SHELBYVILLE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$19,160.39	46063	2020	33423
66372	PAOLI SUBDISTRICT	JASPER UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$25,293.38	46020	2020	44925

64971	GARY SUBDISTRICT	GARY UNIT 4	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$35,944.38	45979	2020	64389
63706	ALBANY SUBDISTRICT	MUNCIE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$36,153.03	45059	2020	66469
66413	TELL CITY SUBDISTRICT	DALE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$42,651.50	44949	2020	80171
62028	MADISON SUBDISTRICT	SALEM UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$29,007.55	44852	2020	53786
65840	COLUMBUS SUBDISTRICT	GREENSBURG UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$31,347.96	44820	2020	51835
64801	PLYMOUTH SUBDISTRICT	PLYMOUTH UNIT	1592	TANDEM AXLE TOW PLOW TRUCK	Active Unit	\$28,727.32	44781	2020	46861
66199	TELL CITY SUBDISTRICT	DALE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$50,083.67	44546	2020	78689
66275	TELL CITY SUBDISTRICT	BIRDSEYE UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$43,225.83	44154	2020	91798
64876	RENSSELAER SUBDISTRICT	ROSELAWN UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$44,027.10	43334	2020	71241
66418	LINTON SUBDISTRICT	SULLIVAN UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$28,429.04	43248	2020	62610
63075	TIPTON SUBDISTRICT	KOKOMO UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$36,494.48	43074	2020	51069
66265	EVANSVILLE SUBDISTRICT	EVANSVILLE UNIT 1	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$42,270.18	42397	2020	89807
62299	FORT WAYNE SUBDISTRICT	FORT WAYNE UNIT 1	1592	TANDEM AXLE TOW PLOW TRUCK	Active Unit	\$17,239.45	42194	2020	27285

64153	LINTON SUBDISTRICT	SULLIVAN UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$43,585.97	41584	2020	73001
66416	VINCENNES SUBDISTRICT	VINCENNES UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$38,696.71	41312	2020	77284
61297	CRAWFORDSVILLE SUBDISTRICT	VEEDERSBURG UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$23,642.36	40897	2020	52760
63070	INDIANAPOLIS SUBDISTRICT	65TH ST UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$41,643.08	40720	2020	80822
62976	TIPTON SUBDISTRICT	TIPTON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$34,724.36	40712	2020	57091
62883	COLUMBUS SUBDISTRICT	COLUMBUS UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$40,784.40	39893	2020	70078
64925	RENSSELAER SUBDISTRICT	ROSELAWN UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$40,038.56	39769	2020	68147
62004	EVANSVILLE SUBDISTRICT	CHANDLER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$23,622.80	39050	2020	45162
64270	AURORA SUBDISTRICT	PENNTOWN UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$40,178.47	38743	2020	73799
64213	EVANSVILLE SUBDISTRICT	POSEYVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$24,659.83	37235	2020	47630
61833	CRAWFORDSVILLE SUBDISTRICT	CRAWFORDSVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE	Active Unit	\$29,928.74	36923	2020	59737

				DUMP TRUCK					
62897	PAOLI SUBDISTRICT	JASPER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$31,560.53	36700	2020	52020
66630	EVANSVILLE SUBDISTRICT	POSEYVILLE UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$34,791.35	36683	2020	69779
63814	CAMBRIDGE CITY SUBDISTRICT	NEW CASTLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$26,525.42	35463	2020	59383
66368	LINTON SUBDISTRICT	SULLIVAN UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$20,489.81	35457	2020	42018
64881	LA PORTE SUBDISTRICT	LA PORTE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$62,139.19	35210	2020	101382
61836	CLOVERDALE SUBDISTRICT	BAINBRIDGE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$26,510.50	34715	2020	56103
63266	INDIANAPOLIS SUBDISTRICT	65TH ST UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$46,455.68	34368	2020	89173
65164	INDIANA DEPARTMENT OF TRANSPORTATION	INDIANA DEPARTMENT OF TRANSPORTATION	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$32,259.69	33946	2020	85352
64277	GARY SUBDISTRICT	GARY UNIT 3	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$55,786.15	33706	2020	82843
63513	ALBANY SUBDISTRICT	MUNCIE UNIT	1606	MULTI PURPOSE TANDEM AXLE	Active Unit	\$18,958.28	33686	2020	40059

				DUMP TRUCK					
62301	PLYMOUTH SUBDISTRICT	PLYMOUTH UNIT	1592	TANDEM AXLE TOW PLOW TRUCK	Active Unit	\$17,695.74	33175	2020	30155
61737	CLOVERDALE SUBDISTRICT	BAINBRIDGE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$31,158.73	32904	2020	68021
64931	WINAMAC LOGISTICAL SUPPORT CENTER	MEDARYVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$28,942.83	32706	2020	66989
64944	LA PORTE SUBDISTRICT	MICHIGAN CITY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$43,662.45	31944	2020	89344
61832	CRAWFORDSVILLE SUBDISTRICT	BLOOMINGDALE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$33,317.01	31512	2020	70881
63178	INDIANAPOLIS SUBDISTRICT	71ST ST UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$29,698.83	31506	2020	68062
61837	CLOVERDALE SUBDISTRICT	BAINBRIDGE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$34,566.12	31342	2020	74880
64945	LA PORTE SUBDISTRICT	WANATAH UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$39,625.40	31333	2020	78116
61779	TERRE HAUTE SUBDISTRICT	TERRE HAUTE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$26,926.23	30871	2020	52117

62882	TELL CITY SUBDISTRICT	DALE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$28,707.78	30771	2020	47908
61296	FRANKFORT SUBDISTRICT	FRANKFORT UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$20,809.10	30687	2020	43476
64803	LA PORTE SUBDISTRICT	WANATAH UNIT	1592	TANDEM AXLE TOW PLOW TRUCK	Active Unit	\$29,848.24	30512	2020	53152
63168	INDIANAPOLIS SUBDISTRICT	65TH ST UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$43,155.37	30277	2020	82823
63124	INDIANAPOLIS SUBDISTRICT	71ST ST UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$25,000.58	30085	2020	54403
62126	BLUFFTON SUBDISTRICT	BLUFFTON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$29,432.77	29665	2020	59862
63813	CAMBRIDGE CITY SUBDISTRICT	CENTERVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$26,603.11	29320	2020	59568
63241	GREENFIELD SUBDISTRICT	SHELBYVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$20,089.21	29250	2020	40600
64943	LA PORTE SUBDISTRICT	LA PORTE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$31,092.28	28788	2020	71088
62124	WABASH SUBDISTRICT	PERU UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$26,221.46	28638	2020	52783

63678	INDIANAPOLIS SUBDISTRICT	MADISON ST UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$23,499.06	27349	2020	42852
63227	ALBANY SUBDISTRICT	MUNCIE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$21,515.31	27180	2020	44145
64019	RENSSELAER SUBDISTRICT	RENSSELAER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$28,920.42	26998	2020	58324
63765	CAMBRIDGE CITY SUBDISTRICT	CAMBRIDGE CITY UNIT	1592	TANDEM AXLE TOW PLOW TRUCK	Active Unit	\$21,758.28	26799	2020	40006
65468	COLUMBUS SUBDISTRICT	AMITY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$21,357.13	26799	2020	46366
63126	GREENFIELD SUBDISTRICT	GREENFIELD UNIT	1581	SINGLE AXLE HOOK LIFT TRUCK	Active Unit	\$24,623.81	26410	2020	47065
63730	TIPTON SUBDISTRICT	FORTVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$27,991.57	25963	2020	56120
66706	LINTON SUBDISTRICT	CRANE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$30,317.02	25610	2020	59340
61292	WEST LAFAYETTE SUBDISTRICT	CARBONDALE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$32,192.86	25475	2020	64367
65260	AURORA SUBDISTRICT	AURORA UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$33,720.54	25467	2020	67637
61295	FRANKFORT SUBDISTRICT	FRANKFORT UNIT	1606	MULTI PURPOSE TANDEM AXLE	Active Unit	\$24,886.71	25442	2020	49782

				DUMP TRUCK					
63136	GREENFIELD SUBDISTRICT	ANDERSON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$24,465.38	25307	2020	53558
66643	LINTON SUBDISTRICT	CRANE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$18,518.27	24942	2020	38475
61848	FRANKFORT SUBDISTRICT	LEBANON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$34,970.92	24684	2020	63546
65375	BLOOMINGTON SUBDISTRICT	MARTINSVILLE UNIT	1591	TANDEM AXLE HOOK LIFT TRUCK	Active Unit	\$9,422.54	24624	2020	38745
63084	GREENFIELD SUBDISTRICT	RUSHVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$33,432.89	24249	2020	72358
65241	FALLS CITY SUBDISTRICT	SELLERSBURG UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$24,625.19	24222	2020	48866
65559	MADISON SUBDISTRICT	NORTH VERNON UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$19,670.75	23955	2020	43673
62128	FORT WAYNE SUBDISTRICT	FORT WAYNE UNIT 1	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$21,926.25	23884	2020	41113
64942	LA PORTE SUBDISTRICT	MICHIGAN CITY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$35,678.11	23372	2020	74615
63085	GREENFIELD SUBDISTRICT	GREENFIELD UNIT	1606	MULTI PURPOSE TANDEM AXLE	Active Unit	\$37,899.56	23219	2020	81065

				DUMP TRUCK					
62125	FORT WAYNE SUBDISTRICT	FORT WAYNE UNIT 1	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$24,428.17	22990	2020	47503
63816	CAMBRIDGE CITY SUBDISTRICT	LIBERTY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$32,483.29	22923	2020	64619
63734	ALBANY SUBDISTRICT	WINCHESTER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$25,421.67	22875	2020	55757
64935	PLYMOUTH SUBDISTRICT	PLYMOUTH UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$22,833.98	22864	2020	53251
65132	COLUMBUS SUBDISTRICT	GREENSBURG UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$25,266.02	22815	2020	51473
62652	WABASH SUBDISTRICT	PERU UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$24,590.46	22812	2020	45530
65254	BLOOMINGTON SUBDISTRICT	MARTINSVILLE UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$19,060.31	22766	2020	42477
65348	BLOOMINGTON SUBDISTRICT	BLOOMINGTON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$22,252.16	22560	2020	44750
64936	GARY SUBDISTRICT	GARY UNIT 4	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$25,889.28	22476	2020	49238

64905	WINAMAC LOGISTICAL SUPPORT CENTER	MEDARYVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$25,218.07	22459	2020	47621
63731	TIPTON SUBDISTRICT	WESTFIELD UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$26,090.85	22356	2020	54743
64026	LA PORTE SUBDISTRICT	MICHIGAN CITY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$36,019.12	22335	2020	65373
62129	LINTON SUBDISTRICT	CRANE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$20,117.74	22264	2020	39124
63605	INDIANAPOLIS SUBDISTRICT	65TH ST UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$22,781.66	22057	2020	44631
61082	CRAWFORDSVILLE SUBDISTRICT	CRAWFORDSVILLE UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$15,158.31	22007	2020	29766
61432	CLOVERDALE SUBDISTRICT	PLAINFIELD UNIT	1581	SINGLE AXLE HOOK LIFT TRUCK	Active Unit	\$16,140.11	21891	2020	40258
63087	GREENFIELD SUBDISTRICT	GREENFIELD UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$39,226.50	21792	2020	85445
63774	CAMBRIDGE CITY SUBDISTRICT	CENTERVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$27,272.08	21719	2020	53278
66330	TELL CITY SUBDISTRICT	BIRDSEYE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$3,862.93	21715	2020	8635

64933	COLUMBUS SUBDISTRICT	GREENSBURG UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$23,881.27	21589	2020	51347
65197	BLOOMINGTON SUBDISTRICT	BLOOMINGTON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$14,564.55	21497	2020	25854
65376	BLOOMINGTON SUBDISTRICT	BLOOMINGTON UNIT	1591	TANDEM AXLE HOOK LIFT TRUCK	Active Unit	\$11,857.86	21484	2020	39465
63066	ALBANY SUBDISTRICT	PORTLAND UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$23,920.56	21396	2020	49532
64958	WINAMAC LOGISTICAL SUPPORT CENTER	ROCHESTER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$26,488.94	21369	2020	48215
65698	COLUMBUS SUBDISTRICT	AMITY UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$26,191.40	21196	2020	59690
64932	MONTICELLO SUBDISTRICT	WINAMAC UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$24,849.63	20955	2020	53986
61298	TERRE HAUTE SUBDISTRICT	NEWPORT UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$19,246.37	20870	2020	45203
62661	BLUFFTON SUBDISTRICT	BLUFFTON UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$22,652.49	20643	2020	49371
65088	MONTICELLO SUBDISTRICT	LOGANSPOUT UNIT	1592	TANDEM AXLE TOW PLOW TRUCK	Active Unit	\$16,272.50	20545	2020	25920
64193	WINAMAC LOGISTICAL SUPPORT CENTER	MEDARYVILLE UNIT	1581	SINGLE AXLE HOOK LIFT TRUCK	Active Unit	\$20,353.27	20534	2020	53981

63550	INDIANAPOLIS SUBDISTRICT	65TH ST UNIT	1592	TANDEM AXLE TOW PLOW TRUCK	Active Unit	\$19,738.52	20352	2020	36222
64162	GARY SUBDISTRICT	GARY UNIT 3	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$25,444.32	20191	2020	43070
65016	FALLS CITY SUBDISTRICT	SELLERSBURG UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$19,067.73	20077	2020	43203
66644	PAOLI SUBDISTRICT	PAOLI UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$13,801.45	20024	2020	27096
66640	VINCENNES SUBDISTRICT	OAKLAND CITY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$19,316.27	19905	2020	38843
62127	TELL CITY SUBDISTRICT	CHRISNEY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$19,606.93	19833	2020	40790
65466	COLUMBUS SUBDISTRICT	COLUMBUS UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$15,135.08	19806	2020	32526
66916	EVANSVILLE SUBDISTRICT	EVANSVILLE UNIT 1	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$15,268.63	19791	2020	30403
64194	MONTICELLO SUBDISTRICT	WINAMAC UNIT	1581	SINGLE AXLE HOOK LIFT TRUCK	Active Unit	\$21,437.95	19772	2020	52243
62656	ELKHART SUBDISTRICT	SHIPSHEWANA UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$22,029.03	19649	2020	47049

65475	BLOOMINGTON SUBDISTRICT	BLOOMINGTON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$19,933.97	19615	2020	40306
62663	WABASH SUBDISTRICT	LAUD UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$26,575.80	19590	2020	53170
64946	LA PORTE SUBDISTRICT	WANATAH UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$25,336.08	19314	2020	58036
63733	ALBANY SUBDISTRICT	MUNCIE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$18,339.94	19307	2020	38226
61002	FRANKFORT SUBDISTRICT	FRANKFORT UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$16,029.82	19206	2020	29582
62660	BLUFFTON SUBDISTRICT	BLUFFTON UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$27,656.57	19187	2020	57079
63815	CAMBRIDGE CITY SUBDISTRICT	NEW CASTLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$27,415.71	19091	2020	57089
64941	GARY SUBDISTRICT	MILLER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$30,407.76	19006	2020	55134
61785	TERRE HAUTE SUBDISTRICT	FORT HARRISON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$20,675.73	18897	2020	40348
64023	WINAMAC LOGISTICAL SUPPORT CENTER	ROCHESTER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$33,515.43	18839	2020	61175

61294	CLOVERDALE SUBDISTRICT	CLOVERDALE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$20,364.42	18643	2020	44732
62622	FORT WAYNE SUBDISTRICT	ANGOLA UNIT 1	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$19,477.86	18484	2020	36952
64021	GARY SUBDISTRICT	GARY UNIT 4	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$24,669.16	18483	2020	40189
65447	COLUMBUS SUBDISTRICT	GREENSBURG UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$25,637.32	18417	2020	52691
65347	BLOOMINGTON SUBDISTRICT	BROWNSTOWN UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$22,124.37	18410	2020	45838
65473	FALLS CITY SUBDISTRICT	SELLERSBURG UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$13,444.12	18193	2020	27883
63231	GREENFIELD SUBDISTRICT	ANDERSON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$34,009.54	18118	2020	69122
65226	COLUMBUS SUBDISTRICT	GREENSBURG UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$24,288.44	18114	2020	51386
65346	BLOOMINGTON SUBDISTRICT	BROWNSTOWN UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$19,086.25	17987	2020	39933
64054	RENSSELAER SUBDISTRICT	RENSSELAER UNIT	1592	TANDEM AXLE TOW PLOW TRUCK	Active Unit	\$19,784.75	17903	2020	35975
61086	TERRE HAUTE SUBDISTRICT	NEWPORT UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$25,719.61	17894	2020	53011

66642	LINTON SUBDISTRICT	LINTON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$18,258.84	17856	2020	42133
66331	VINCENNES SUBDISTRICT	LOGOOTEETEE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$16,452.58	17844	2020	28215
65467	AURORA SUBDISTRICT	AURORA UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$21,958.19	17781	2020	45695
65250	AURORA SUBDISTRICT	VERSAILLES UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$13,026.02	17746	2020	30599
61088	CLOVERDALE SUBDISTRICT	PLAINFIELD UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$22,154.27	17702	2020	42543
62728	FORT WAYNE SUBDISTRICT	NEW HAVEN UNIT	1592	TANDEM AXLE TOW PLOW TRUCK	Active Unit	\$18,751.08	17556	2020	29133
61998	FRANKFORT SUBDISTRICT	LEBANON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$20,107.61	17280	2020	36965
64339	MONTICELLO SUBDISTRICT	LOGANSPORT UNIT	1592	TANDEM AXLE TOW PLOW TRUCK	Active Unit	\$19,732.77	17220	2020	31897
63233	INDIANAPOLIS SUBDISTRICT	TROY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$45,015.73	17211	2020	78262
65128	BLOOMINGTON SUBDISTRICT	BLOOMINGTON UNIT	1581	SINGLE AXLE HOOK LIFT TRUCK	Active Unit	\$19,085.99	17148	2020	43530

66474	TELL CITY SUBDISTRICT	BIRDSEYE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$13,759.52	17138	2020	29001
66178	VINCENNES SUBDISTRICT	LOGOOTEETEE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$22,639.26	17115	2020	42960
66048	TELL CITY SUBDISTRICT	DERBY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$12,466.02	17079	2020	29662
63775	ALBANY SUBDISTRICT	MUNCIE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$16,382.87	16998	2020	32827
65231	AURORA SUBDISTRICT	PENNTOWN UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$16,845.08	16943	2020	30259
63546	INDIANAPOLIS SUBDISTRICT	TROY UNIT	1592	TANDEM AXLE TOW PLOW TRUCK	Active Unit	\$16,779.74	16942	2020	28534
63606	INDIANAPOLIS SUBDISTRICT	MADISON ST UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$22,724.18	16935	2020	40601
65225	AURORA SUBDISTRICT	PENNTOWN UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$20,524.32	16834	2020	38065
61094	CLOVERDALE SUBDISTRICT	PLAINFIELD UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$22,585.15	16686	2020	39396
64904	GARY SUBDISTRICT	MILLER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$23,784.94	16678	2020	37195

65349	COLUMBUS SUBDISTRICT	GREENSBURG UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$18,712.59	16644	2020	39403
65238	MADISON SUBDISTRICT	MADISON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$18,058.59	16642	2020	35700
62457	FORT WAYNE SUBDISTRICT	FORT WAYNE UNIT 1	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$17,911.67	16490	2020	34817
61057	TIPTON SUBDISTRICT	KOKOMO UNIT	1592	TANDEM AXLE TOW PLOW TRUCK	Active Unit	\$14,149.95	16236	2020	22446
65471	FALLS CITY SUBDISTRICT	CORYDON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$12,346.54	16225	2020	28042
61087	CRAWFORDSVILLE SUBDISTRICT	CRAWFORDSVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$24,601.78	16220	2020	49936
61095	CRAWFORDSVILLE SUBDISTRICT	VEEDERSBURG UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$20,877.70	16210	2020	42103
65699	FALLS CITY SUBDISTRICT	SELLERSBURG UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$16,395.73	16199	2020	33146
64191	BLOOMINGTON SUBDISTRICT	BLOOMINGTON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$16,611.43	16131	2020	32748
61952	WEST LAFAYETTE SUBDISTRICT	LAFAYETTE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$19,868.09	15989	2020	34206

65469	FALLS CITY SUBDISTRICT	CORYDON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$12,575.50	15934	2020	27328
66999	EVANSVILLE SUBDISTRICT	EVANSVILLE UNIT 2	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$17,765.69	15896	2020	38540
63686	GREENFIELD SUBDISTRICT	RUSHVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$26,676.13	15847	2020	53514
65127	FALLS CITY SUBDISTRICT	SELLERSBURG UNIT	1581	SINGLE AXLE HOOK LIFT TRUCK	Active Unit	\$12,283.32	15791	2020	30246
63603	INDIANAPOLIS SUBDISTRICT	65TH ST UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$35,837.13	15781	2020	64081
63587	INDIANAPOLIS SUBDISTRICT	TROY UNIT	1592	TANDEM AXLE TOW PLOW TRUCK	Active Unit	\$16,365.27	15736	2020	29107
63125	INDIANAPOLIS SUBDISTRICT	TROY UNIT	1581	SINGLE AXLE HOOK LIFT TRUCK	Active Unit	\$25,866.99	15730	2020	50627
64934	WINAMAC LOGISTICAL SUPPORT CENTER	ROCHESTER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$23,661.83	15713	2020	53221
66613	ELKHART SUBDISTRICT	ELKHART UNIT	1592	TANDEM AXLE TOW PLOW TRUCK	Active Unit	\$16,386.25	15494	2020	28896
64994	MONTICELLO SUBDISTRICT	WINAMAC UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$18,190.38	15480	2020	33965
62623	FORT WAYNE SUBDISTRICT	NEW HAVEN UNIT	1605	MULTI PURPOSE SINGLE AXLE	Active Unit	\$23,003.01	15288	2020	45458

				DUMP TRUCK					
65345	AURORA SUBDISTRICT	VERSAILLES UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$18,779.15	15114	2020	39082
61431	CRAWFORDSVILLE SUBDISTRICT	CRAWFORDSVILLE UNIT	1581	SINGLE AXLE HOOK LIFT TRUCK	Active Unit	\$12,949.88	15094	2020	30720
65342	AURORA SUBDISTRICT	AURORA UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$13,439.28	14876	2020	28823
61092	TERRE HAUTE SUBDISTRICT	NEWPORT UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$20,547.21	14699	2020	43771
64785	INDIANA DEPARTMENT OF TRANSPORTATION	INDIANA DEPARTMENT OF TRANSPORTATION	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$39,105.81	14581	2020	143809
66610	PAOLI SUBDISTRICT	BEDFORD UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$16,193.46	14559	2020	33702
61959	CRAWFORDSVILLE SUBDISTRICT	BLOOMINGDALE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$21,495.81	14556	2020	41602
63100	CAMBRIDGE CITY SUBDISTRICT	CENTERVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$29,410.87	14552	2020	55493
63271	INDIANAPOLIS SUBDISTRICT	TROY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$23,506.82	14450	2020	39525
61293	TERRE HAUTE SUBDISTRICT	ASHBORO UNIT	1606	MULTI PURPOSE TANDEM AXLE	Active Unit	\$14,754.46	14426	2020	31998

				DUMP TRUCK					
62664	ELKHART SUBDISTRICT	BRIMFIELD UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$20,835.49	14388	2020	44307
62734	ELKHART SUBDISTRICT	SHIPSHEWANA UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$20,887.65	14374	2020	41603
65476	MADISON SUBDISTRICT	SCOTTSBURG UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$14,147.00	14369	2020	30301
66641	LINTON SUBDISTRICT	LINTON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$19,539.73	14328	2020	40603
65344	AURORA SUBDISTRICT	VERSAILLES UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$18,332.33	14273	2020	38624
66305	LINTON SUBDISTRICT	SULLIVAN UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$14,097.61	14183	2020	25911
63722	GREENFIELD SUBDISTRICT	ANDERSON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$22,966.32	14155	2020	47109
66375	VINCENNES SUBDISTRICT	VINCENNES UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$15,039.54	14128	2020	26737
66061	EVANSVILLE SUBDISTRICT	POSEYVILLE UNIT	1581	SINGLE AXLE HOOK LIFT TRUCK	Active Unit	\$14,396.98	14038	2020	36351
64097	PLYMOUTH SUBDISTRICT	MISHAWAKA UNIT	1592	TANDEM AXLE TOW	Active Unit	\$22,476.53	14004	2020	35759

				PLOW TRUCK					
62659	BLUFFTON SUBDISTRICT	BLUFFTON UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$18,823.83	14003	2020	37039
65472	MADISON SUBDISTRICT	SALEM UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$18,064.63	13993	2020	41754
66647	TELL CITY SUBDISTRICT	CHRISNEY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$14,471.77	13981	2020	29252
63729	TIPTON SUBDISTRICT	TIPTON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$17,896.32	13954	2020	35674
66367	PAOLI SUBDISTRICT	JASPER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$14,263.14	13900	2020	31107
65470	FALLS CITY SUBDISTRICT	SELLERSBURG UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$12,039.86	13880	2020	24307
65125	COLUMBUS SUBDISTRICT	COLUMBUS UNIT	1581	SINGLE AXLE HOOK LIFT TRUCK	Active Unit	\$18,347.80	13863	2020	48685
66047	VINCENNES SUBDISTRICT	VINCENNES UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$26,303.44	13827	2020	47847
65126	MADISON SUBDISTRICT	MADISON UNIT	1581	SINGLE AXLE HOOK LIFT TRUCK	Active Unit	\$16,874.64	13774	2020	41406
66645	PAOLI SUBDISTRICT	JASPER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$13,080.90	13748	2020	28139

61958	WEST LAFAYETTE SUBDISTRICT	FOWLER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$28,155.68	13700	2020	51161
62667	WABASH SUBDISTRICT	WABASH UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$23,975.54	13691	2020	41412
65239	MADISON SUBDISTRICT	NORTH VERNON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$15,377.68	13574	2020	30516
62620	FORT WAYNE SUBDISTRICT	WATERLOO UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$25,971.45	13565	2020	51166
66060	VINCENNES SUBDISTRICT	LOGOOTE UNIT	1581	SINGLE AXLE HOOK LIFT TRUCK	Active Unit	\$17,582.26	13493	2020	36648
62665	FORT WAYNE SUBDISTRICT	FORT WAYNE UNIT 1	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$27,074.61	13322	2020	52331
62527	FORT WAYNE SUBDISTRICT	ANGOLA UNIT 1	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$19,611.10	13295	2020	33842
65232	BLOOMINGTON SUBDISTRICT	MARTINSVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$13,402.30	13284	2020	24790
61081	CLOVERDALE SUBDISTRICT	PLAINFIELD UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$19,058.14	13156	2020	33358
63732	TIPTON SUBDISTRICT	KOKOMO UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$21,075.81	13111	2020	44398

62657	WABASH SUBDISTRICT	WABASH UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$18,732.31	12988	2020	33078
64984	GARY SUBDISTRICT	GARY UNIT 3	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$22,843.33	12939	2020	37833
64129	COLUMBUS SUBDISTRICT	COLUMBUS UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$16,214.64	12792	2020	31188
61930	WEST LAFAYETTE SUBDISTRICT	CARBONDALE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$30,259.81	12774	2020	53339
63053	TIPTON SUBDISTRICT	WESTFIELD UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$22,663.84	12676	2020	44850
62733	FORT WAYNE SUBDISTRICT	FORT WAYNE SUBDISTRICT	1592	TANDEM AXLE TOW FLOW TRUCK	Active Unit	\$14,107.26	12542	2020	26806
65481	MADISON SUBDISTRICT	SCOTTSBURG UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$15,361.15	12233	2020	30599
66646	EVANSVILLE SUBDISTRICT	CHANDLER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$11,464.79	12151	2020	25359
65188	AURORA SUBDISTRICT	BROOKVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$22,909.11	12128	2020	44560
65115	AURORA SUBDISTRICT	BROOKVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$19,562.90	11700	2020	37127

65267	FALLS CITY SUBDISTRICT	CORYDON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$9,145.37	11638	2020	17720
65180	FALLS CITY SUBDISTRICT	SELLERSBURG UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$10,116.32	11627	2020	19201
66774	EVANSVILLE SUBDISTRICT	EVANSVILLE UNIT 1	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$8,230.61	11384	2020	15973
64141	GARY SUBDISTRICT	MILLER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$28,297.15	11374	2020	47993
65230	FALLS CITY SUBDISTRICT	CORYDON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$7,915.59	11328	2020	15344
64070	WINAMAC LOGISTICAL SUPPORT CENTER	ROCHESTER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$15,216.10	11296	2020	27530
65120	BLOOMINGTON SUBDISTRICT	BROWNSTOWN UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$15,620.43	11291	2020	28595
64120	RENSSELAER SUBDISTRICT	RENSSELAER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$29,499.72	11257	2020	60745
65343	AURORA SUBDISTRICT	VERSAILLES UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$15,099.25	11247	2020	35062
61967	CLOVERDALE SUBDISTRICT	LIZTON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$20,928.14	11168	2020	35707

61945	WEST LAFAYETTE SUBDISTRICT	LAFAYETTE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$26,034.04	11136	2020	49864
66707	LINTON SUBDISTRICT	SULLIVAN UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$13,208.95	11048	2020	23985
62735	FORT WAYNE SUBDISTRICT	NEW HAVEN UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$18,264.84	10979	2020	35562
62507	FORT WAYNE SUBDISTRICT	FORT WAYNE UNIT 1	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$20,760.78	10975	2020	36694
61956	WEST LAFAYETTE SUBDISTRICT	FOWLER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$25,836.08	10952	2020	48952
63572	TIPTON SUBDISTRICT	FORTVILLE UNIT	1592	TANDEM AXLE TOW PLOW TRUCK	Active Unit	\$16,433.27	10878	2020	27063
66354	VINCENNES SUBDISTRICT	VINCENNES UNIT	1592	TANDEM AXLE TOW PLOW TRUCK	Active Unit	\$17,003.70	10851	2020	27004
62619	FORT WAYNE SUBDISTRICT	FORT WAYNE UNIT 1	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$22,017.87	10794	2020	45277
65474	MADISON SUBDISTRICT	SCOTTSBURG UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$15,443.45	10652	2020	29498
65142	COLUMBUS SUBDISTRICT	COLUMBUS UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$12,700.37	10615	2020	26420
65242	RENSSELAER SUBDISTRICT	ROSELAWN UNIT	1592	TANDEM AXLE TOW	Active Unit	\$18,761.57	10566	2020	34087

				PLOW TRUCK					
63200	WEST LAFAYETTE SUBDISTRICT	LAFAYETTE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$20,867.33	10500	2020	36955
66058	EVANSVILLE SUBDISTRICT	CHANDLER UNIT	1581	SINGLE AXLE HOOK LIFT TRUCK	Active Unit	\$9,283.23	10426	2020	24820
64208	RENSSELAER SUBDISTRICT	ROSELAWN UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$26,258.46	10392	2020	52788
64032	MONTICELLO SUBDISTRICT	LOGANSPORT UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$22,165.86	10340	2020	40789
62730	BLUFFTON SUBDISTRICT	BLUFFTON UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$20,858.53	10303	2020	41017
65189	FALLS CITY SUBDISTRICT	CORYDON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$10,779.59	10275	2020	21184
64079	LA PORTE SUBDISTRICT	MICHIGAN CITY UNIT	1592	TANDEM AXLE TOW PLOW TRUCK	Active Unit	\$27,972.06	10249	2020	48538
66188	FORT WAYNE SUBDISTRICT	NEW HAVEN UNIT	1592	TANDEM AXLE TOW PLOW TRUCK	Active Unit	\$12,901.15	10144	2020	19082
65274	MADISON SUBDISTRICT	MADISON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$16,133.19	10122	2020	31223
61965	CLOVERDALE SUBDISTRICT	CLOVERDALE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$12,890.33	10088	2020	44933

66273	PAOLI SUBDISTRICT	BEDFORD UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$14,178.75	10003	2020	25939
62662	BLUFFTON SUBDISTRICT	GAS CITY UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$21,521.63	9921	2020	44769
65273	MADISON SUBDISTRICT	SALEM UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$12,112.11	9906	2020	22621
65277	MADISON SUBDISTRICT	SCOTTSBURG UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$14,992.12	9855	2020	28149
62668	WABASH SUBDISTRICT	WABASH UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$18,831.35	9825	2020	34352
63188	ALBANY SUBDISTRICT	ALEXANDRIA UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$20,597.80	9746	2020	41772
64015	MONTICELLO SUBDISTRICT	LOGANSPOUR UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$22,484.05	9644	2020	45150
64039	COLUMBUS SUBDISTRICT	GREENSBURG UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$11,799.38	9561	2020	25357
63007	GREENFIELD SUBDISTRICT	GREENFIELD UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$22,513.04	9516	2020	46783
65233	MADISON SUBDISTRICT	SCOTTSBURG UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$14,542.32	9377	2020	24089

65110	AURORA SUBDISTRICT	AURORA UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$16,247.80	9307	2020	32551
63062	ALBANY SUBDISTRICT	PORTLAND UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$14,546.49	9203	2020	28951
63221	GREENFIELD SUBDISTRICT	ANDERSON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$21,539.10	9102	2020	45806
65183	BLOOMINGTON SUBDISTRICT	MARTINSVILLE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$17,410.24	9085	2020	34343
61083	TERRE HAUTE SUBDISTRICT	ASHBORO UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$20,283.25	9071	2020	38425
61961	TERRE HAUTE SUBDISTRICT	NEWPORT UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$24,010.98	9060	2020	47119
61090	TERRE HAUTE SUBDISTRICT	FORT HARRISON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$22,980.08	8777	2020	46118
63264	INDIANAPOLIS SUBDISTRICT	MADISON ST UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$14,323.18	8765	2020	25698
62669	WABASH SUBDISTRICT	PERU UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$16,107.83	8738	2020	29248
62198	FORT WAYNE SUBDISTRICT	ANGOLA UNIT 1	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$17,458.73	8635	2020	30518

63025	GREENFIELD SUBDISTRICT	SHELBYVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$27,760.55	8471	2020	51540
63268	INDIANAPOLIS SUBDISTRICT	65TH ST UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$28,310.35	8463	2020	49194
66751	TELL CITY SUBDISTRICT	DERBY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$7,405.77	8421	2020	14988
66374	EVANSVILLE SUBDISTRICT	EVANSVILLE UNIT 2	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$5,924.58	8367	2020	11731
66180	LA PORTE SUBDISTRICT	CHESTERTON UNIT	1592	TANDEM AXLE TOW PLOW TRUCK	Active Unit	\$15,653.78	8362	2020	25389
64987	GARY SUBDISTRICT	GARY UNIT 4	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$23,324.34	8295	2020	41234
66059	TELL CITY SUBDISTRICT	DALE UNIT	1581	SINGLE AXLE HOOK LIFT TRUCK	Active Unit	\$13,107.81	8257	2020	30350
64210	PLYMOUTH SUBDISTRICT	MISHAWAKA UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$13,484.27	8225	2020	30607
64057	MONTICELLO SUBDISTRICT	MONTICELLO UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$15,310.23	7967	2020	31107
64188	LA PORTE SUBDISTRICT	MICHIGAN CITY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$31,865.96	7937	2020	57873

63099	CAMBRIDGE CITY SUBDISTRICT	NEW CASTLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$21,808.43	7895	2020	44634
66781	PAOLI SUBDISTRICT	PAOLI UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$13,124.30	7879	2020	24779
63293	INDIANAPOLIS SUBDISTRICT	TROY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$12,580.71	7794	2020	24199
65255	LA PORTE SUBDISTRICT	MICHIGAN CITY UNIT	1592	TANDEM AXLE TOW PLOW TRUCK	Active Unit	\$18,992.67	7792	2020	29100
64207	LA PORTE SUBDISTRICT	WANATAH UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$34,713.46	7783	2020	64695
61078	FRANKFORT SUBDISTRICT	FRANKFORT UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$8,924.54	7770	2020	16285
62196	WABASH SUBDISTRICT	WABASH UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$13,764.58	7668	2020	26701
61014	WEST LAFAYETTE SUBDISTRICT	LAFAYETTE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$10,670.62	7597	2020	19322
62732	BLUFFTON SUBDISTRICT	MONROE UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$17,318.67	7540	2020	36027
62658	BLUFFTON SUBDISTRICT	BLUFFTON SUBDISTRICT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$22,396.61	7512	2020	42219

61077	CLOVERDALE SUBDISTRICT	LIZTON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$15,425.61	7481	2020	28479
62199	WABASH SUBDISTRICT	WARSAW UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$10,483.07	7435	2020	20668
66206	PAOLI SUBDISTRICT	BEDFORD UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$10,670.84	7428	2020	19356
64206	PLYMOUTH SUBDISTRICT	PLYMOUTH UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$25,630.90	7365	2020	50617
64169	LA PORTE SUBDISTRICT	LA PORTE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$29,200.81	7261	2020	54235
65191	BLOOMINGTON SUBDISTRICT	BROWNSTOWN UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$12,745.01	7171	2020	25670
62182	ELKHART SUBDISTRICT	BRIMFIELD UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$17,182.30	7047	2020	36254
61059	WEST LAFAYETTE SUBDISTRICT	FOWLER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$12,472.13	7001	2020	25475
61006	TERRE HAUTE SUBDISTRICT	FORT HARRISON UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$16,235.33	6887	2020	36484
65256	BLOOMINGTON SUBDISTRICT	BLOOMINGTON UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$7,565.14	6680	2020	15110

64990	PLYMOUTH SUBDISTRICT	MISHAWAKA UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$19,172.53	6659	2020	37690
61997	TERRE HAUTE SUBDISTRICT	FORT HARRISON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$15,234.57	6643	2020	28473
63245	GREENFIELD SUBDISTRICT	GREENFIELD UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$6,500.67	6634	2020	14305
65186	COLUMBUS SUBDISTRICT	AMITY UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$12,272.78	6608	2020	25507
62200	WABASH SUBDISTRICT	PERU UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$14,892.29	6562	2020	28035
64224	LA PORTE SUBDISTRICT	MICHIGAN CITY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$21,743.30	6529	2020	41428
65114	AURORA SUBDISTRICT	AURORA UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$13,194.35	6324	2020	24948
66177	EVANSVILLE SUBDISTRICT	EVANSVILLE UNIT 2	1592	TANDEM AXLE TOW PLOW TRUCK	Active Unit	\$7,326.90	6262	2020	13082
61004	WEST LAFAYETTE SUBDISTRICT	LAFAYETTE UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$19,431.20	6151	2020	36521
65117	PLYMOUTH SUBDISTRICT	PLYMOUTH UNIT	1592	TANDEM AXLE TOW PLOW TRUCK	Active Unit	\$19,920.10	6113	2020	28689

61064	WEST LAFAYETTE SUBDISTRICT	LAFAYETTE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$13,947.74	6092	2020	25072
65187	COLUMBUS SUBDISTRICT	AMITY UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$10,947.33	6024	2020	23202
63338	ALBANY SUBDISTRICT	PORTLAND UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$11,538.77	5987	2020	22493
66217	PAOLI SUBDISTRICT	BEDFORD UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$7,958.16	5890	2020	14340
66288	EVANSVILLE SUBDISTRICT	POSEYVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$10,080.73	5746	2020	20865
61001	CLOVERDALE SUBDISTRICT	LIZTON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$23,310.50	5744	2020	41525
65202	BLOOMINGTON SUBDISTRICT	MARTINSVILLE UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$8,718.60	5735	2020	19190
62194	WABASH SUBDISTRICT	WARSAW UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$18,243.96	5708	2020	34757
63352	CAMBRIDGE CITY SUBDISTRICT	CAMBRIDGE CITY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$13,556.93	5683	2020	27250
64402	GARY SUBDISTRICT	GARY UNIT 3	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$14,405.00	5668	2020	27325

63172	GREENFIELD SUBDISTRICT	GREENFIELD UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$22,045.74	5653	2020	44275
65379	MADISON SUBDISTRICT	NORTH VERNON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$7,803.59	5579	2020	14258
65217	AURORA SUBDISTRICT	PENNTOWN UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$11,388.56	5557	2020	22874
64056	PLYMOUTH SUBDISTRICT	PLYMOUTH UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$20,719.78	5515	2020	45033
63012	TIPTON SUBDISTRICT	TIPTON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$13,503.96	5507	2020	24407
62186	WABASH SUBDISTRICT	WARSAW UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$12,733.36	5493	2020	26058
62737	WABASH SUBDISTRICT	WARSAW UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$20,501.39	5485	2020	39433
64005	LA PORTE SUBDISTRICT	CHESTERTON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$17,321.11	5445	2020	31785
62189	BLUFFTON SUBDISTRICT	GAS CITY UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$11,925.28	5428	2020	23593
65335	FALLS CITY SUBDISTRICT	CORYDON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$5,692.36	5424	2020	11842

64225	GARY SUBDISTRICT	MILLER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$17,256.64	5306	2020	33551
63332	ALBANY SUBDISTRICT	ALEXANDRIA UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$8,119.57	5291	2020	17115
61072	CRAWFORDSVILLE SUBDISTRICT	CRAWFORDSVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$9,917.62	5275	2020	18424
64262	MONTICELLO SUBDISTRICT	MONTICELLO UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$11,756.64	5275	2020	27150
64016	GARY SUBDISTRICT	CROWN POINT UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$16,364.47	5262	2020	33296
64285	LA PORTE SUBDISTRICT	CHESTERTON UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$13,729.41	5225	2020	28445
63267	CAMBRIDGE CITY SUBDISTRICT	CENTERVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$10,545.49	5149	2020	18879
61073	TERRE HAUTE SUBDISTRICT	TERRE HAUTE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$11,904.31	5140	2020	23455
66705	VINCENNES SUBDISTRICT	LOGOOTEETEE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$12,891.02	5116	2020	22040
66219	PAOLI SUBDISTRICT	PAOLI UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$6,013.85	5101	2020	12108

64069	LA PORTE SUBDISTRICT	WANATAH UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$12,318.01	5004	2020	23789
65271	FALLS CITY SUBDISTRICT	CORYDON UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$9,468.74	4981	2020	21833
65137	AURORA SUBDISTRICT	VERSAILLES UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$9,634.98	4973	2020	20898
65215	AURORA SUBDISTRICT	AURORA UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$9,734.91	4961	2020	22041
66187	GARY SUBDISTRICT	CROWN POINT UNIT	1592	TANDEM AXLE TOW PLOW TRUCK	Active Unit	\$18,416.51	4933	2020	27643
61067	CRAWFORDSVILLE SUBDISTRICT	BLOOMINGDALE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$12,190.79	4921	2020	24532
64068	MONTICELLO SUBDISTRICT	LOGANSPORT UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$12,657.18	4911	2020	25141
65332	MADISON SUBDISTRICT	SCOTTSBURG UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$5,918.25	4871	2020	11218
65203	COLUMBUS SUBDISTRICT	COLUMBUS UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$8,248.65	4866	2020	18392
61070	CRAWFORDSVILLE SUBDISTRICT	VEEDERSBURG UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$12,626.02	4839	2020	26115

66328	VINCENNES SUBDISTRICT	OAKLAND CITY UNIT	1592	TANDEM AXLE TOW PLOW TRUCK	Active Unit	\$8,886.60	4834	2020	15930
62254	FORT WAYNE SUBDISTRICT	ANGOLA UNIT 1	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$12,833.74	4826	2020	21858
65334	MADISON SUBDISTRICT	SCOTTSBURG UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$6,063.06	4821	2020	12448
61062	TERRE HAUTE SUBDISTRICT	FORT HARRISON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$5,789.37	4708	2020	12700
64006	WINAMAC LOGISTICAL SUPPORT CENTER	MEDARYVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$15,192.57	4634	2020	29752
63243	INDIANAPOLIS SUBDISTRICT	TROY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$7,232.05	4624	2020	14077
61075	CRAWFORDSVILLE SUBDISTRICT	VEEDERSBURG UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$10,973.58	4589	2020	22966
66329	VINCENNES SUBDISTRICT	LOOGOOTE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$7,468.80	4497	2020	13490
62190	BLUFFTON SUBDISTRICT	MONROE UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$9,263.34	4424	2020	18982
62256	FORT WAYNE SUBDISTRICT	NEW HAVEN UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$12,259.90	4407	2020	24142

65330	MADISON SUBDISTRICT	SCOTTSBURG UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$8,447.65	4367	2020	15450
63326	INDIANAPOLIS SUBDISTRICT	71ST ST UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$7,396.78	4360	2020	13502
63244	INDIANAPOLIS SUBDISTRICT	TROY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$12,397.99	4162	2020	22388
64348	PLYMOUTH SUBDISTRICT	PLYMOUTH UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$10,961.91	4148	2020	26180
61079	CRAWFORDSVILLE SUBDISTRICT	VEEDERSBURG UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$11,681.91	4103	2020	23462
66489	VINCENNES SUBDISTRICT	LOOGOOTEE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$7,351.40	4040	2020	13115
66212	PAOLI SUBDISTRICT	PAOLI UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$7,069.36	4022	2020	12804
63335	TIPTON SUBDISTRICT	TIPTON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$7,462.45	3990	2020	13776
61076	CRAWFORDSVILLE SUBDISTRICT	CRAWFORDSVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$13,617.02	3956	2020	24325
66214	VINCENNES SUBDISTRICT	OAKLAND CITY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$6,930.59	3935	2020	13359

62259	WABASH SUBDISTRICT	WABASH SUBDISTRICT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$9,280.49	3920	2020	16440
63254	CAMBRIDGE CITY SUBDISTRICT	NEW CASTLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$7,663.26	3887	2020	17392
66215	PAOLI SUBDISTRICT	JASPER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$6,019.67	3656	2020	11534
62191	WABASH SUBDISTRICT	WABASH SUBDISTRICT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$7,931.57	3614	2020	15139
63373	INDIANAPOLIS SUBDISTRICT	65TH ST UNIT	1592	TANDEM AXLE TOW PLOW TRUCK	Active Unit	\$7,022.48	3566	2020	12266
63337	GREENFIELD SUBDISTRICT	ANDERSON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$11,048.76	3444	2020	26750
66325	EVANSVILLE SUBDISTRICT	EVANSVILLE UNIT 2	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$6,356.25	3380	2020	14087
63462	GREENFIELD SUBDISTRICT	SHELBYVILLE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$1,410.35	3321	2020	4679
66211	TELL CITY SUBDISTRICT	DALE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$8,049.64	3294	2020	15088
65686	FALLS CITY SUBDISTRICT	CORYDON UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$1,535.77	3250	2020	3535

66006	TELL CITY SUBDISTRICT	DALE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$5,776.92	3224	2020	10882
61084	WEST LAFAYETTE SUBDISTRICT	CARBONDALE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$14,018.91	2975	2020	24240
66323	PAOLI SUBDISTRICT	JASPER UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$6,624.04	2800	2020	15185
66221	LINTON SUBDISTRICT	CRANE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$7,931.47	2763	2020	15446
65688	FALLS CITY SUBDISTRICT	CORYDON UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$1,693.94	2715	2020	4476
61080	FRANKFORT SUBDISTRICT	ROMNEY UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$11,671.85	2541	2020	22233
63549	ALBANY SUBDISTRICT	ALEXANDRIA UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$3,807.07	2456	2020	9025
65679	BLOOMINGTON SUBDISTRICT	BROWNSTOWN UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$1,952.24	2432	2020	4348
65700	FALLS CITY SUBDISTRICT	CORYDON UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$1,716.00	2358	2020	4347
64250	WINAMAC LOGISTICAL SUPPORT CENTER	ROCHESTER UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$5,146.76	2344	2020	10675
63336	TIPTON SUBDISTRICT	KOKOMO UNIT	1606	MULTI PURPOSE TANDEM AXLE	Active Unit	\$11,971.71	2287	2020	21043

				DUMP TRUCK					
63524	ALBANY SUBDISTRICT	WINCHESTER UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$4,458.24	2275	2020	9562
65707	MADISON SUBDISTRICT	MADISON UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$2,486.59	2214	2020	5428
64071	LA PORTE SUBDISTRICT	LA PORTE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$17,205.58	2179	2020	35180
62463	ELKHART SUBDISTRICT	ELKHART UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$2,510.99	2004	2020	5329
63522	ALBANY SUBDISTRICT	ALEXANDRIA UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$1,865.87	1956	2020	4436
63523	GREENFIELD SUBDISTRICT	ANDERSON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$958.99	1923	2020	4029
65675	MADISON SUBDISTRICT	MADISON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$2,073.86	1767	2020	3741
65677	AURORA SUBDISTRICT	PENNTOWN UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$2,473.51	1746	2020	4978
65695	COLUMBUS SUBDISTRICT	COLUMBUS UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$2,104.15	1727	2020	4783

65681	AURORA SUBDISTRICT	VERSAILLES UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$2,354.46	1674	2020	4949
65683	BLOOMINGTON SUBDISTRICT	BROWNSTOWN UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$1,578.81	1540	2020	3591
64221	PLYMOUTH SUBDISTRICT	MISHAWAKA UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$4,926.46	1459	2020	11205
63479	TIPTON SUBDISTRICT	WESTFIELD UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$3,998.58	1444	2020	8345
65709	MADISON SUBDISTRICT	MADISON UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$2,708.17	1358	2020	5499
62462	ELKHART SUBDISTRICT	ELKHART UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$2,606.00	1315	2020	4796
65676	BLOOMINGTON SUBDISTRICT	MARTINSVILLE UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$3,290.47	1303	2020	7228
62444	WABASH SUBDISTRICT	WARSAW UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$3,022.36	1255	2020	5915
65680	BLOOMINGTON SUBDISTRICT	BROWNSTOWN UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$1,554.57	1194	2020	3389
61203	TERRE HAUTE SUBDISTRICT	FORT HARRISON UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$1,696.40	1193	2020	4246
64156	PLYMOUTH SUBDISTRICT	PLYMOUTH UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$1,720.04	1125	2020	4304

66220	TELL CITY SUBDISTRICT	CHRISNEY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$6,227.27	1104	2020	11663
62446	FORT WAYNE SUBDISTRICT	NEW HAVEN UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$3,603.70	1083	2020	7990
66726	LINTON SUBDISTRICT	LINTON UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$1,700.37	1026	2020	4559
63519	INDIANAPOLIS SUBDISTRICT	TROY UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$1,081.12	970	2020	1900
63551	INDIANAPOLIS SUBDISTRICT	MADISON ST UNIT	1580	SINGLE AXLE DUMP TRUCK	Active Unit	\$2,554.17	962	2020	7034
64195	MONTICELLO SUBDISTRICT	LOGANSPO RT UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$2,660.88	914	2020	5290
65674	AURORA SUBDISTRICT	PENNTOWN UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$1,868.98	907	2020	4100
63451	INDIANAPOLIS SUBDISTRICT	TROY UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$3,277.91	855	2020	7153
64255	RENSSELAER SUBDISTRICT	ROSELAWN UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$3,593.03	788	2020	6492
66703	VINCENNES SUBDISTRICT	LOOGOOTE E UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$1,195.97	691	2020	2264
64123	PLYMOUTH SUBDISTRICT	PLYMOUTH UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$5,630.01	675	2020	12192
64248	GARY SUBDISTRICT	GARY UNIT 4	1580	SINGLE AXLE	Active Unit	\$2,575.97	629	2020	17242

				DUMP TRUCK					
64201	RENSELAER SUBDISTRICT	RENSELAER UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$2,477.57	569	2020	5328
66715	TELL CITY SUBDISTRICT	BIRDSEYE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$436.16	562	2020	1100
63481	CAMBRIDGE CITY SUBDISTRICT	CENTERVILLE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$3,582.33	515	2020	6441
61206	FRANKFORT SUBDISTRICT	FRANKFORT UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$1,937.27	492	2020	59633
62448	ELKHART SUBDISTRICT	BRIMFIELD UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$2,791.81	474	2020	6325
66718	VINCENNES SUBDISTRICT	OAKLAND CITY UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$1,263.54	470	2020	2286
66720	TELL CITY SUBDISTRICT	DERBY UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$614.48	454	2020	1983
61208	FRANKFORT SUBDISTRICT	FRANKFORT UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$1,562.66	448	2020	4141
66713	TELL CITY SUBDISTRICT	BIRDSEYE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$1,158.42	443	2020	2344
64124	LA PORTE SUBDISTRICT	LA PORTE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$4,217.27	364	2020	8305
62445	WABASH SUBDISTRICT	WABASH UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$3,687.27	344	2020	6713
66710	PAOLI SUBDISTRICT	BEDFORD UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$1,140.27	329	2020	3840

64264	LA PORTE SUBDISTRICT	LA PORTE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$4,495.19	313	2020	8902
64242	MONTICELLO SUBDISTRICT	MONTICELLO UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$2,396.22	304	2020	5481
66711	TELL CITY SUBDISTRICT	DERBY UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$1,630.58	273	2020	3875
63518	INDIANAPOLIS SUBDISTRICT	65TH ST UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$1,104.88	264	2020	1844
64247	GARY SUBDISTRICT	CROWN POINT UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$3,563.94	258	2020	8387
62459	FORT WAYNE SUBDISTRICT	WATERLOO UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$4,920.95	254	2020	10046
66719	PAOLI SUBDISTRICT	BEDFORD UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$1,272.30	231	2020	2409
62465	BLUFFTON SUBDISTRICT	BLUFFTON UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$5,005.53	224	2020	11203
63506	GREENFIELD SUBDISTRICT	SHELBYVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$2,603.20	220	2020	6010
62447	BLUFFTON SUBDISTRICT	GAS CITY UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$3,371.49	209	2020	7097
63469	CAMBRIDGE CITY SUBDISTRICT	LIBERTY UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$3,751.05	193	2020	7891

61213	WEST LAFAYETTE SUBDISTRICT	FOWLER UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$3,787.27	189	2020	10018
61205	CRAWFORDSVILLE SUBDISTRICT	CRAWFORDSVILLE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$1,771.36	184	2020	4605
64237	GARY SUBDISTRICT	GARY UNIT 3	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$2,512.18	179	2020	5494
62443	BLUFFTON SUBDISTRICT	BLUFFTON UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$1,862.83	168	2020	3985
61211	FRANKFORT SUBDISTRICT	LEBANON UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$1,567.83	161	2020	3580
62460	FORT WAYNE SUBDISTRICT	WATERLOO UNIT	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$4,008.27	136	2020	8946
66725	EVANSVILLE SUBDISTRICT	EVANSVILLE UNIT 1	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$1,596.10	99	2020	3843
62438	FORT WAYNE SUBDISTRICT	WATERLOO UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$974.30	76	2020	2593
66717	TELL CITY SUBDISTRICT	CHRISNEY UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$1,182.83	51	2020	3165
61200	WEST LAFAYETTE SUBDISTRICT	FOWLER UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$4,039.58	44	2020	10018
66723	TELL CITY SUBDISTRICT	CHRISNEY UNIT	1605	MULTI PURPOSE SINGLE AXLE	Active Unit	\$1,068.43	44	2020	2441

				DUMP TRUCK					
61201	TERRE HAUTE SUBDISTRICT	ASHBORO UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$1,603.30	34	2020	5718
61204	TERRE HAUTE SUBDISTRICT	TERRE HAUTE UNIT	1606	MULTI PURPOSE TANDEM AXLE DUMP TRUCK	Active Unit	\$155.10	26	2020	509
62456	FORT WAYNE SUBDISTRICT	ANGOLA UNIT 1	1605	MULTI PURPOSE SINGLE AXLE DUMP TRUCK	Active Unit	\$3,751.94	23	2020	7816
64163	LA PORTE SUBDISTRICT	LA PORTE UNIT	1590	TANDEM AXLE DUMP TRUCK	Active Unit	\$3,757.67	0	2020	8304

APPENDIX C. CRITICAL LOCATIONS

C.1 Hospitals

Hospital Name	City	County
Community Hospital Anderson	Anderson	Madison
Saint Vincent Anderson	Anderson	Madison
Parkview DeKalb Hospital	Auburn	DeKalb
Ascension St. Vincent Hospital Avon	Avon	Hendricks
IU Health West Hospital	Avon	Hendricks
IU Health Bloomington Hospital	Bloomington	Monroe
Monroe Hospital	Bloomington	Monroe
Bluffton Regional Medical Center	Bluffton	Wells
Ascension Saint Vincent Carmel	Carmel	Hamilton
Ascension St. Vincent Carmel	Carmel	Hamilton
Franciscan Health Carmel	Carmel	Hamilton
IU Health North Hospital	Carmel	Hamilton
Parkview Whitley Hospital	Columbia City	Whitley
Columbus Regional Hospital	Columbus	Bartholomew
Franciscan Health Crawfordsville	Crawfordsville	Montgomery
Franciscan Health Crown Point	Crown Point	Lake
Pinnacle Hospital	Crown Point	Lake
Danville Hospital Main Campus	Danville	Hendricks
Franciscan Health Dyer Campus	Dyer	Lake
Saint Catherine Hospital	East Chicago	Lake
Elkhart General Hospital	Elkhart	Elkhart
Ascension Saint Vincent Evansville	Evansville	Vanderburgh
Deaconess Midtown Hospital	Evansville	Vanderburgh
IU Health Saxony Hospital	Fishers	Hamilton
Saint Vincent Fishers Hospital	Fishers	Hamilton
Dupont Hospital	Fort Wayne	Allen
Lutheran Health Network The Orthopedic Hospital	Fort Wayne	Allen
Lutheran Hospital	Fort Wayne	Allen
Parkview Hospital Randallia	Fort Wayne	Allen
Parkview Ortho Hospital	Fort Wayne	Allen
Parkview Regional Medical Center	Fort Wayne	Allen
Saint Joseph Hospital	Fort Wayne	Allen

VA Northern Indiana Health Care System– Fort Wayne Campus	Fort Wayne	Allen
Johnson Memorial Hospital	Franklin	Johnson
Methodist Hospitals - Northlake Campus	Gary	Lake
Goshen Hospital	Goshen	Elkhart
Hancock Regional Hospital	Greenfield	Hancock
Franciscan Health Hammond	Hammond	Lake
Saint Mary Medical Center	Hobart	Lake
Parkview Huntington Hospital	Huntington	Huntington
Ascension Saint Vincent Indianapolis Hospital	Indianapolis	Marion
Ascension St. Vincent Castleton	Indianapolis	Marion
Community Heart And Vascular Hospital	Indianapolis	Marion
Community Hospital East	Indianapolis	Marion
Community Hospital North	Indianapolis	Marion
Community Hospital South	Indianapolis	Marion
Fairbanks Hospital	Indianapolis	Marion
Franciscan Health Indianapolis	Indianapolis	Marion
IU Health Methodist University	Indianapolis	Marion
IU Health University Hospital	Indianapolis	Marion
OrthoIndy Hospital	Indianapolis	Marion
Peyton Manning Children's Hospital	Indianapolis	Marion
Richard L. Roudebush VA Medical Center	Indianapolis	Marion
Saint Vincent Women's Hospital	Indianapolis	Marion
Sidney and Lois Eskenazi Hospital	Indianapolis	Marion
St. Vincent Neighborhood Hospital Indianapolis South	Indianapolis	Marion
Memorial Hospital and Health Care Center	Jasper	Dubois
Clark Memorial Hospital	Jeffersonville	Clark
Parkview Noble Hospital	Kendallville	Nobel
Starke Hospital	Knox	Starke
Ascension St. Vincent Kokomo	Kokomo	Howard
Community Howard Regional Health	Kokomo	Howard
La Porte Hospital	La Porte	La Porte
Franciscan Health Lafayette Central	Lafayette	Tippecanoe
Franciscan Health Lafayette East	Lafayette	Tippecanoe
IU Health Arnett Hospital	Lafayette	Tippecanoe
Highpoint Health	Lawrenceburg	Dearborn
Witham Memorial Hospital	Lebanon	Boone

Logansport Memorial Hospital	Logansport	Cass
King's Daughters' Hospital & Health Services	Madison	Jefferson
Marion General Hospital	Marion	Grant
Methodist Hospitals - Southlake Campus	Merrillville	Lake
Franciscan Health Michigan City	Michigan City	La Porte
Saint Joseph Health Mishawaka Medical Center	Mishawaka	Joseph
Unity Medical and Surgical Hospital	Mishawaka	Joseph
Franciscan Health Mooresville Campus	Mooresville	Brown
IU Health Ball Memorial Hospital	Muncie	Delaware
Community Hospital	Munster	Lake
Franciscan Health Munster	Munster	Lake
Baptist Health Floyd	New Albany	Floyd
PMC Regional Hospital	New Albany	Floyd
Henry Community Health	New Castle	Henry
Deaconess Gateway Hospital	Newburgh	Warrick
The Heart Hospital	Newburgh	Warrick
The Women's Hospital	Newburgh	Warrick
Riverview Health Noblesville Hospital	Noblesville	Hamilton
St. Vincent Neighborhood Hospital Noblesville	Noblesville	Hamilton
St. Vincent Neighborhood Hospital Plainfield	Plainfield	Hendricks
Plymouth Medical Center	Plymouth	Marshall
Portage Hospital	Portage	Porter
Reid Hospital	Richmond	Wayne
Schneck Medical Center	Seymour	Jackson
MHP Medical Center	Shelbyville	Shelby
Memorial Hospital	South Bend	St. Joseph
Terre Haute Regional Hospital	Terre Haute	Vigo
Union Hospital	Terre Haute	Vigo
Porter Regional Hospital	Valparaiso	Porter
Good Samaritan Hospital	Vincennes	Knox
Kosciusko Community Hospital	Warsaw	Kosciusko
Daviess Community Hospital	Washington	Daviess
Riverview Health Westfield Hospital	Westfield	Hamilton

C.2 Police Stations

Police Station	City	County
15 NW M L King Blvd Evansville, IN 47708	Evansville	Vanderburgh County
212 E State St Albany, IN 47320	Albany	Delaware County
204 S Harrison St Alexandria, IN 46001	Alexandria	Madison County
700 Meridian St Anderson, IN 46016	Anderson	Madison County
101 E Oak St Anderson, IN 46012	Anderson	Madison County
1407 Arrow Ave Anderson, IN 46016	Anderson	Madison County
700 Meridian St Anderson, IN 46016	Anderson	Madison County
700 Meridian St Anderson, IN 46016	Anderson	Madison County
700 Meridian Plz Anderson, IN 46016	Anderson	Madison County
700 Meridian St Anderson, IN 46016	Anderson	Madison County
208 W Main St Arcadia, IN 46030	Arcadia	Hamilton County
105 E Main St Atlanta, IN 46031	Atlanta	Hamilton County
200 S Mcdonald St Attica, IN 47918	Attica	Fountain County
218 3rd St Aurora, IN 47001	Aurora	Dearborn County
80 W Main St Austin, IN 47102	Austin	Scott County
PO Box 385 Bainbridge, IN 46105	Bainbridge	Putnam County
305 N College Ave Muncie, IN 47303	Muncie	Delaware County
104 E Catherine St Batesville, IN 47006	Batesville	Ripley County
132 S Main St Batesville, IN 47006	Batesville	Ripley County
100 College St Battle Ground, IN 47920	Battle Ground	Tippecanoe County
1617 K St Bedford, IN 47421	Bedford	Lawrence County
340 Churchman Ave Beech Grove, IN 46107	Beech Grove	Marion County
119 E 2nd St Bicknell, IN 47512	Bicknell	Knox County
12 E Main St Bloomfield, IN 47424	Bloomfield	Greene County
220 E 3rd St Bloomington, IN 47401	Bloomington	Monroe County
157 Franklin St Valparaiso, IN 46383	Valparaiso	Porter County
121 E Locust St Boonville, IN 47601	Boonville	Warrick County
203 E National Ave Brazil, IN 47834	Brazil	Clay County
203 E National Ave Brazil, IN 47834	Brazil	Clay County
97 Centenary Rd Mooresville, IN 46158	Mooresville	Morgan County
205 E 3rd Brookston, IN 47923	Brookston	White County
462 Main St Brookville, IN 47012	Brookville	Franklin County
55 E Main St Brownsburg, IN 46112	Brownsburg	Hendricks County
200 W Walnut St Brownstown, IN 47220	Brownstown	Jackson County
1240 W North Boo Rd Chesterton, IN 46304	Chesterton	Porter County
127 N Foote St Cambridge City, IN 47327	Cambridge City	Wayne County

210 S 8th St Cannelton, IN 47520	Cannelton	Perry County
3 Civic Sq Carmel, IN 46032	Carmel	Hamilton County
6 W 1st Carthage, IN 46115	Carthage	Rush County
108 S Division Cayuga, IN 47928	Cayuga	Vermillion County
PO Box 126 Newport, IN 47966	Newport	Vermillion County
E Curtis St Cayuga, IN 47928	Cayuga	Vermillion County
7408 Constitution Ave Cedar Lake, IN 46303	Cedar Lake	Lake County
204 E Main St Centerville, IN 47330	Centerville	Wayne County
417 E Jefferson Ave Chandler, IN 47610	Chandler	Warrick County
100 W State Route 62 Boonville, IN 47601	Boonville	Warrick County
701 Main St Charlestown, IN 47111	Charlestown	Clark County
207 E Main St Chesterfield, IN 46017	Anderson	Madison County
790 Broadway Chesterton, IN 46304	Chesterton	Porter County
70 S Byron St Cicero, IN 46034	Cicero	Hamilton County
210 S 8th St Cannelton, IN 47520	Cannelton	Perry County
100 W Washington St Muncie, IN 47305	Muncie	Delaware County
1970 Broadway St Clarksville, IN 47129	Clarksville	Clark County
111 W 8th St Clay City, IN 47841	Clay City	Clay County
9051 Crawfordsville Rd Clermont, IN 46234	Indianapolis	Marion County
259 Vine St Clinton, IN 47842	Clinton	Vermillion County
10 N Main St #3 Cloverdale, IN 46120	Cloverdale	Putnam County
210 W Main Colfax, IN 46035	Colfax	Clinton County
1336 Columbia Ct Hammond, IN 46324	Hammond	Lake County
123 Washington St Columbus, IN 47201	Columbus	Bartholomew County
3572 Grant St Gary, IN 46408	Gary	Lake County
100 E 5th St Connersville, IN 47331	Connersville	Fayette County
210 N Jefferson St Converse, IN 46919	Converse	Miami County
113 N Oak St Corydon, IN 47112	Corydon	Harrison County
216 Union St Covington, IN 47932	Covington	Fountain County
300 E Pike St #5 Crawfordsville, IN 47933	Crawfordsville	Montgomery County
50 N Alabama St #250 Indianapolis, IN 46204	Indianapolis	Marion County
353 Baker St Cromwell, IN 46732	Cromwell	Noble County
101 W Howard St Crothersville, IN 47229	Crothersville	Jackson County
124 N East St Crown Point, IN 46307	Crown Point	Lake County
11501 E Washington St Cumberland, IN 46229	Indianapolis	Marion County
8019 S Walnut St Daleville, IN 47334	Daleville	Delaware County
49 North Wayne Street Danville, IN 46167	Danville	Hendricks County
412 Covington St Crawfordsville, IN 47933	Crawfordsville	Montgomery County
6531 State Road 38 E Lafayette, IN 47905	Lafayette	Tippecanoe County

112 Carnation St SE Demotte, IN 46310	De Motte	Jasper County
4202 E 700 N Denver, IN 46926	Denver	Miami County
10100 Front St Dillsboro, IN 47018	Dillsboro	Dearborn County
969 S Section St Dugger, IN 47848	Dugger	Sullivan County
1600 N Mineral Springs Rd Chesterton, IN 46304	Chesterton	Porter County
130 S Main St Dunkirk, IN 47336	Dunkirk	Jay County
1 Town Ctr Dyer, IN 46311	Dyer	Lake County
2301 E Columbus Dr East Chicago, IN 46312	East Chicago	Lake County
211 W Harris St Eaton, IN 47338	Eaton	Delaware County
3405 Nichol Ave Anderson, IN 46011	Anderson	Madison County
107 S Holland St Edinburgh, IN 46124	Edinburgh	Johnson County
102 S Park St Ellettsville, IN 47429	Ellettsville	Monroe County
1601 Main St Elwood, IN 46036	Elwood	Madison County
Court St English, IN 47118	English	Crawford County
15 NW M L King Blvd Evansville, IN 47708	Evansville	Vanderburgh County
15 NW M L King Blvd Evansville, IN 47708	Evansville	Vanderburgh County
37 Adams Ave Evansville, IN 47713	Evansville	Vanderburgh County
4321 Vogel Rd Evansville, IN 47715	Evansville	Vanderburgh County
619 N Main St Evansville, IN 47711	Evansville	Vanderburgh County
15 NW M L King Blvd Evansville, IN 47708	Evansville	Vanderburgh County
15 NW M L King Blvd Evansville, IN 47708	Evansville	Vanderburgh County
214 W Washington St Fairmount, IN 46928	Fairmount	Grant County
106 E Henry St Farmland, IN 47340	Farmland	Randolph County
255 Brucke Strasse Jasper, IN 47546	Jasper	Dubois County
4 Municipal Dr Fishers, IN 46038	Fishers	Hamilton County
4 Municipal Dr Fishers, IN 46038	Fishers	Hamilton County
1320 E Creighton Ave Fort Wayne, IN 46803	Fort Wayne	Allen County
714 E Broadway St Fortville, IN 46040	Fortville	Hancock County
312 W Main St Fountain City, IN 47341	Fountain City	Wayne County
311 E 5th St Fowler, IN 47944	Fowler	Benton County
201 W Washington St Frankfort, IN 46041	Frankfort	Clinton County
1 Caisson Dr #A Franklin, IN 46131	Franklin	Johnson County
105 S Church St Frankton, IN 46044	Frankton	Madison County
122 Indiana Ave French Lick, IN 47432	French Lick	Orange County
1301 Broadway Gary, IN 46407	Gary	Lake County
900 Madison St Gary, IN 46402	Gary	Lake County
4491 W 5th Ave Gary, IN 46406	Gary	Lake County
1301 Broadway Gary, IN 46407	Gary	Lake County
1301 Broadway Gary, IN 46407	Gary	Lake County

211 E Main St Gas City, IN 46933	Gas City	Grant County
107 N Sycamore St Gaston, IN 47342	Gaston	Delaware County
403 N Main St Glenwood, IN 46133	Glenwood	Rush County
9110 State Road 64 Georgetown, IN 47122	Georgetown	Floyd County
2 E Walnut St Greencastle, IN 46135	Greencastle	Putnam County
480 Ludlow St Lawrenceburg, IN 47025	Lawrenceburg	Dearborn County
116 S State St Greenfield, IN 46140	Greenfield	Hancock County
116 S State St Greenfield, IN 46140	Greenfield	Hancock County
12 S Water St Greens Fork, IN 47345	Greens Fork	Wayne County
107 S Broadway St Greensburg, IN 47240	Greensburg	Decatur County
112 N Meridian St Greentown, IN 46936	Greentown	Howard County
9706 Clark Floyds Knobs, IN 47119	Floyds Knobs	Floyd County
186 Surina Way Greenwood, IN 46143	Greenwood	Johnson County
115 N Broad St Griffith, IN 46319	Griffith	Lake County
49 E College St Hagerstown, IN 47346	Hagerstown	Wayne County
520 Fayette St Hammond, IN 46320	Hammond	Lake County
3432 1/2 169th St Hammond, IN 46323	Hammond	Lake County
5925 Calumet Ave #115 Hammond, IN 46320	Hammond	Lake County
11 N Madison Ave Hanover, IN 47243	Hanover	Jefferson County
11 N Madison Ave Hanover, IN 47243	Hanover	Jefferson County
64 N 500 E Hartford City, IN 47348	Hartford City	Blackford County
700 N Walnut St Hartford City, IN 47348	Hartford City	Blackford County
104 E Sigler Hebron, IN 46341	Hebron	Porter County
227 N Main St New Castle, IN 47362	New Castle	Henry County
3333 Ridge Rd #3 Highland, IN 46322	Highland	Lake County
100 W Main St Hillsboro, IN 47949	Hillsboro	Fountain County
200 Main St Hobart, IN 46342	Hobart	Lake County
200 Main St Hobart, IN 46342	Hobart	Lake County
4820 Madison Ave Indianapolis, IN 46227	Indianapolis	Marion County
404 Jackson St Hope, IN 47246	Hope	Bartholomew County
1800 W Markland Ave Kokomo, IN 46901	Kokomo	Howard County
503 E 1st St Huntingburg, IN 47542	Huntingburg	Dubois County
503 E 1st St Huntingburg, IN 47542	Huntingburg	Dubois County
255 Brucke Strasse Jasper, IN 47546	Jasper	Dubois County
3202 S Calhoun St Fort Wayne, IN 46807	Fort Wayne	Allen County
1975 N Lancer Rd Peru, IN 46970	Peru	Miami County
309 W Pearl St Union City, IN 47390	Union City	Randolph County
1712 E US Highway 20 Michigan City, IN 46360	Michigan City	La Porte County
651 S Frontage Rd Seymour, IN 47274	Seymour	Jackson County

5921 State Rd 43 Crawfordsville, IN 47933	Crawfordsville	Montgomery County
2346 S Lynhurst Dr Indianapolis, IN 46241	Indianapolis	Marion County
721 E Tipton St Seymour, IN 47274	Seymour	Jackson County
801 N Jordan Ave Bloomington, IN 47405	Bloomington	Monroe County
40 S Alabama St Indianapolis, IN 46204	Indianapolis	Marion County
1150 Shelby St Indianapolis, IN 46203	Indianapolis	Marion County
209 E Saint Joseph St Indianapolis, IN 46202	Indianapolis	Marion County
3120 E 30th St Indianapolis, IN 46218	Indianapolis	Marion County
50 N Alabama St #E221 Indianapolis, IN 46204	Indianapolis	Marion County
551 King Ave Indianapolis, IN 46222	Indianapolis	Marion County
901 N Post Rd Indianapolis, IN 46219	Indianapolis	Marion County
247 N Meridian St Ingalls, IN 46048	Ingalls	Madison County
145 S Lawton St Jasonville, IN 47438	Jasonville	Greene County
309 E 6th St Jasper, IN 47546	Jasper	Dubois County
501 E Court Ave #158 Jeffersonville, IN 47130	Jeffersonville	Clark County
414 S Main St Jonesboro, IN 46938	Jonesboro	Grant County
414 S Main St Jonesboro, IN 46938	Jonesboro	Grant County
PO Box 136 Kempton, IN 46049	Kempton	Tipton County
300 N 3rd St Kentland, IN 47951	Kentland	Newton County
24 S Washington St Knightstown, IN 46148	Knightstown	Henry County
406 S Kouts St Kouts, IN 46347	Kouts	Porter County
22 W Branson St La Fontaine, IN 46940	La Fontaine	Wabash County
1206 Michigan Ave La Porte, IN 46350	La Porte	La Porte County
412 Covington St Crawfordsville, IN 47933	Crawfordsville	Montgomery County
20 N 6th St #2 Lafayette, IN 47901	Lafayette	Tippecanoe County
20 N 6th St Lafayette, IN 47901	Lafayette	Tippecanoe County
3629 Central Ave Lake Station, IN 46405	Lake Station	Lake County
1048 N Lakeshore Dr Crown Point, IN 46307	Crown Point	Lake County
601 N Michigan St Lakeville, IN 46536	Lakeville	St. Joseph County
7501 Main St NE Lanesville, IN 47136	Lanesville	Harrison County
13 E 7th St Lapel, IN 46051	Lapel	Madison County
809 State St La Porte, IN 46350	La Porte	La Porte County
809 State St La Porte, IN 46350	La Porte	La Porte County
Pearl Laurel, IN 47024	Laurel	Franklin County
Lawrence St Lawrence, IN 46226	Indianapolis	Marion County
4455 Mccoy St Lawrence, IN 46226	Indianapolis	Marion County
349 Walnut St Lawrenceburg, IN 47025	Lawrenceburg	Dearborn County
201 E Main St Lebanon, IN 46052	Lebanon	Boone County
1 S Fairground St Liberty, IN 47353	Liberty	Union County

49 A St NW Linton, IN 47441	Linton	Greene County
2400 Oriole Trl Michigan City, IN 46360	Michigan City	La Porte County
401 N John F Kennedy Ave Loogootee, IN 47553	Loogootee	Martin County
103 Main St Lynn, IN 47355	Lynn	Randolph County
301 S Branson St Marion, IN 46952	Marion	Grant County
301 S Branson St Marion, IN 46952	Marion	Grant County
59 S Jefferson St Martinsville, IN 46151	Martinsville	Morgan County
5759 W Pendleton Pike McCordsville, IN 46055	McCordsville	Hancock County
Medaryville Police Dept Main	Medaryville	Pulaski County
Medaryville, IN 47957 27 N Perry	Peru	Miami County
Medora, IN 47260 102 W 2nd St	Medora	Jackson County
Michigan City, IN 46360 653 Locust St	Michigan City	La Porte County
Middletown, IN 47356 102 Lakeside Dr	Middletown	Henry County
Milan, IN 47031 407 S 6th St	Milan	Ripley
Mitchell, IN 47446 422 N Market St	Mitchell	Lawrence
Monon, IN 47959 127 S Jefferson St	Jefferson	Clinton County
Rockville, IN 47872 212 Crawford	Rockville	Parke County
Montezuma, IN 47862 300 W Huntington St	Huntington	Huntington County
Montpelier, IN 47359 101 E Charles St	Montpelier	Blackford County
Mooreland, IN 47360 104 W Main St	Mooreland	Henry
Mooresville, IN 46158 120 W Washington St	Mooresville	Morgan County
Morgantown, IN 46160 112 N Clay	Kyle	Dearborn County
Morocco, IN 47963 1320 Odonnell Rd	Morocco	Newton County
Mount Vernon, IN 47620 526 Main St	Mount Vernon	Posey County
Mount Vernon, IN 47620 300 N High St #215	Mount Vernon	Posey County
Muncie, IN 47305 300 N High St	Hovey	Posey County
Muncie, IN 47305 1008 E 20th St	Muncie	Delaware County
Muncie, IN 47302 1621 E Highland Ave	Highland	Lake County
Muncie, IN 47303 616 E Main St	Muncie	Delaware County
Muncie, IN 47305 1610 S Macedonia Ave	Muncie	Delaware County
Muncie, IN 47302 300 N High St	Hovey	Posey County
Muncie, IN 47305 300 N High St	Hovey	Posey County
Muncie, IN 47305 300 N High St	Hovey	Posey County
Muncie, IN 47305 1405 S Walnut St	Walnut	Marshall County
Muncie, IN 47302 300 N High St	Hovey	Posey County
Muncie, IN 47305 300 N High St	Hovey	Posey County
Muncie, IN 47305 300 N High St	Hovey	Posey County
Muncie, IN 47305 300 N High St	Hovey	Posey County
Muncie, IN 47305 300 N High St	Hovey	Posey County

Muncie, IN 47305 300 N High St Fl 2	Hugh	Clay County
Muncie, IN 47305 1001 Ridge Rd	Muncie	Delaware County
Munster, IN 46321 Nashville Town Marshall	Marshall	Parke County
200 Commercial Dr Nashville, IN 47448	Nashville	Brown County
311 W 1st St #131 New Albany, IN 47150	New Albany	Floyd County
227 N Main St New Castle, IN 47362	New Castle	Henry County
122 Huber Blvd Hobart, IN 46342	Hobart	Lake County
520 E Church St New Harmony, IN 47631	New Harmony	Posey County
412 Covington St Crawfordsville, IN 47933	Crawfordsville	Montgomery County
300 Tracy Rd Whiteland, IN 46184	Whiteland	Johnson County
200 State St Newburgh, IN 47630	Newburgh	Warrick County
200 State St Newburgh, IN 47630	Newburgh	Warrick County
200 State St Newburgh, IN 47630	Newburgh	Warrick County
10093 N 300 W Lake Village, IN 46349	Lake Village	Newton County
135 S 9th St Noblesville, IN 46060	Noblesville	Hamilton County
135 S 9th St Noblesville, IN 46060	Noblesville	Hamilton County
135 S 9th St Noblesville, IN 46060	Noblesville	Hamilton County
135 S 9th St Noblesville, IN 46060	Noblesville	Hamilton County
101 Madison Ave North Vernon, IN 47265	North Vernon	Jennings County
Oakland City Police Dept 210 E Washington St	Oakland City	Gibson County
Oakland City, IN 47660 102 E Walnut St	Oakland City	Gibson County
Odon, IN 47562 115 Hillcrest Rd	Hillcrest	Porter County
Portage, IN 46368 PO Box 85	Portage	Porter County
Oldenburg, IN 47036 109 Main St	Oldenburg	Franklin County
Oolitic, IN 47451 2 S Superior	Oolitic	Lawrence County
Orestes, IN 46063 148 N Maple St	Orestes	Madison County
Orleans, IN 47452 147 W Ripley St	Ripley	Pulaski County
Osgood, IN 47037 104 E 2nd	Osgood	Ripley County
Otterbein, IN 47970 Paoli Police Dept	Otterbien	Benton County
816 W Main St Paoli, IN 47454	Paoli	Orange County
147 W Washington St Parker City, IN 47368	Parker City	Randolph County
122 E State St Pendleton, IN 46064	Pendleton	Madison County
35 S Broadway Peru, IN 46970	Peru	Miami County
100 S 4th St Petersburg, IN 47567	Petersburg	Pike County
80 N Meridian St Pittsboro, IN 46167	Pittsboro	Hendricks County
1075 W Main St Plainfield, IN 46168	Plainfield	Hendricks County
123 Washington St Columbus, IN 47201	Columbus	Bartholomew County
101 W Main St Thorntown, IN 46071	Thorntown	Boone County
7820 Broadway Merrillville, IN 46410	Merrillville	Lake County

4209 N College Ave Indianapolis, IN 46205	Indianapolis	Marion County
227 N Main St New Castle, IN 47362	New Castle	Henry County
205 S Intermural Dr West Lafayette, IN 47907	West Lafayette	Tippecanoe County
145 S Lawton St Jasonville, IN 47438	Jasonville	Greene County
12 Main St Bargersville, IN 46106	Bargersville	Johnson County
210 Ferry St Vevay, IN 47043	Vevay	Switzerland County
15 NW M L King Blvd Evansville, IN 47708	Evansville	Vanderburgh County
102 W 2nd St Michigan City, IN 46360	Michigan City	La Porte County
123 Washington St #11 Columbus, IN 47201	Columbus	Bartholomew County
123 Washington St Columbus, IN 47201	Columbus	Bartholomew County
15 NW M L King Blvd Evansville, IN 47708	Evansville	Vanderburgh County
123 Washington St Columbus, IN 47201	Columbus	Bartholomew County
15 NW M L King Blvd Evansville, IN 47708	Evansville	Vanderburgh County
15 NW M L King Blvd Evansville, IN 47708	Evansville	Vanderburgh County
123 Washington St Columbus, IN 47201	Columbus	Bartholomew County
15 NW M L King Blvd Evansville, IN 47708	Evansville	Vanderburgh County
123 Washington St Columbus, IN 47201	Columbus	Bartholomew County
2209 Newton St Jasper, IN 47546	Jasper	Dubois County
15 NW M L King Blvd Evansville, IN 47708	Evansville	Vanderburgh County
620 S Mulberry St Muncie, IN 47305	Muncie	Delaware County
300 N High St Muncie, IN 47305	Muncie	Delaware County
300 N High St Muncie, IN 47305	Muncie	Delaware County
105 N County Road 100 W New Castle, IN 47362	New Castle	Henry County
300 N High St Muncie, IN 47305	Muncie	Delaware County
147 N 8th St Vincennes, IN 47591	Vincennes	Knox County
300 N High St Muncie, IN 47305	Muncie	Delaware County
300 N High St Muncie, IN 47305	Muncie	Delaware County
2693 Irving St #P Portage, IN 46368	Portage	Porter County
2693 Irving St Portage, IN 46368	Portage	Porter County
2693 Irving St #P Portage, IN 46368	Portage	Porter County
2693 Irving St #P Portage, IN 46368	Portage	Porter County
50 Francis St Porter, IN 46304	Chesterton	Porter County
Rr 1 Nineveh, IN 46164	Nineveh	Johnson County
310 W State St Princeton, IN 47670	Princeton	Gibson County
Redkey Police Dept 28 S Oak	Redkey	Jay County
Redkey, IN 47373 PO Box 70	Redkey	Jay County
Remington, IN 47977 122 S Van Rensselaer St	Rensselaer	Jasper County
Rensselaer, IN 47978 50 N 5th St	Rensselaer	Jasper County
Richmond, IN 47374 50 N 5th St	Richmond	Wayne County

Richmond, IN 47374 50 N 5th St	Richmond	Wayne County
Richmond, IN 47374 50 N 5th St	Richmond	Wayne County
Richmond, IN 47374 50 N 5th St	Richmond	Wayne County
Richmond, IN 47374 50 N 5th St	Richmond	Wayne County
Richmond, IN 47374 106 S Walnut St	Walnut	Marshall County
Ridgeville, IN 47380 300 S Poplar St	Ridgeville	Randolph County
Rising Sun, IN 47040 PO Box 198	Rising Sun	Rising Sun
Roachdale, IN 46172 201 Main St	Roachdale	Putnam County
Rockport, IN 47635 416 S Jefferson St	Jefferson	Clinton County
Rockville, IN 47872 127 S Jefferson St	Rockville	Parke County
Rockville, IN 47872 930 W 54th St	Rockville	Parke County
Indianapolis, IN 46208 206 N Main	Indianapolis	Marion County
Rosedale, IN 47874 127 S Jefferson St	Jefferson	Clinton County
Rockville, IN 47872 23 W Main St	Rockville	Parke County
Rossville, IN 46065 131 E 1st St	Rossville	Clinton County
Rushville, IN 46173 270 W 15th St	Rushville	Rush County
Rushville, IN 46173 213 S Harrison	Rushville	Rush County
Russellville, IN 46175 Salem Police Dept	Salem	Washington County
38 Public Sq Salem, IN 47167	Salem	Washington County
25 E Joliet St Schererville, IN 46375	Schererville	Lake County
23800 Parrish Ave Schneider, IN 46376	Schneider	Lake County
111 S 1st St Scottsburg, IN 47170	Scottsburg	Scott County
55 N 1st St Scottsburg, IN 47170	Scottsburg	Scott County
123 S Indiana Ave Sellersburg, IN 47172	Sellersburg	Clark County
316 S Albany Selma, IN 47383	Selma	Delaware County
220 N Chestnut St Seymour, IN 47274	Seymour	Jackson County
506 S Main St Sheridan, IN 46069	Sheridan	Hamilton County
304 E Seymour St Kentland, IN 47951	Kentland	Newton County
212 S Main St Shirley, IN 47384	Shirley	Henry County
6901 Derbyshire Rd Indianapolis, IN 46227	Indianapolis	Marion County
1410 N Lynhurst Dr Speedway, IN 46224	Indianapolis	Marion County
90 N West St Spencer, IN 47460	Spencer	Owen County
130 E Main St Spiceland, IN 47385	Spiceland	Henry County
11033 W 93rd Ave St John, IN 46373	Saint John	Lake County
2209 Newton St Jasper, IN 47546	Jasper	Dubois County
2209 Newton St Jasper, IN 47546	Jasper	Dubois County
7951 W Main St Stinesville, IN 47464	Stinesville	Monroe County
32 N Court St Sullivan, IN 47882	Sullivan	Sullivan County
109 S Main Summitville, IN 46070	Summitville	Madison County

PO Box 147 Sunman, IN 47041	Sunman	Ripley County
213 S Washington Swayzee, IN 46986	Swayzee	Grant County
113 N Main St Sweetser, IN 46987	Sweetser	Grant County
Tactical Training Assoc 8709 Castle Park Dr Indianapolis, IN 46256 740 9th St	Indianapolis	Marion County
Tell City, IN 47586 100 W State Route 62	Tell City	Perry County
Boonville, IN 47601 17 Harding Ave	Boonville	Warrick County
Terre Haute, IN 47807 225 E Jefferson St	Jefferson	Clinton County
Tipton, IN 46072 110 S 4th St	Tipton	Tipton County
Zionsville, IN 46077 800 Conty Rd 300 W	Zionsville	Boone County
Trafalgar, IN 46181 740 9th St	Trafalgar	Johnson County
Tell City, IN 47586 Union City Police Hdqrts	Union City	Randolph County
309 W Pearl St Union City, IN 47390	Union City	Randolph County
2420 Central Ave Indianapolis, IN 46205	Indianapolis	Marion County
63 E Washington Upland, IN 46989	Upland	Grant County
Valparaiso, IN 46383 16 Indiana Ave	Valparaiso	Porter County
Valparaiso, IN 46383 201 N 1st St	Nast	Pitkin County
Van Buren, IN 46991 216 Union St	Union	Pike County
Covington, IN 47932 100 E Water St	Covington	Fountain County
Versailles, IN 47042 147 N 8th St	Neath	Bradford County
Vincennes, IN 47591 Washington Police Dept	Vincennes	Knox County
101 NE 3rd St #3 Washington, IN 47501	Washington	Daviess County
Ballard & Main St West Baden Springs, IN 47469	West Baden Springs	Orange County
609 W Navajo St #A West Lafayette, IN 47906	West Lafayette	Tippecanoe County
500 W National Ave West Terre Haute, IN 47885	West Terre Haute	Vigo County
17535 Dartown Rd Westfield, IN 46074	Westfield	Hamilton County
207 Johnson Ave Westport, IN 47283	Westport	Decatur County
207 Johnson Ave Westport, IN 47283	Westport	Decatur County
106 Ridge St Westville, IN 46391	Westville	La Porte County
51 N Main St Wheatfield, IN 46392	Wheatfield	Jasper County
157 Franklin St Valparaiso, IN 46383	Valparaiso	Porter County
549 Main St Whiteland, IN 46184	Whiteland	Johnson County
1914 Schrage Ave Whiting, IN 46394	Whiting	Lake County
22 Front St Williamsport, IN 47993	Williamsport	Warren County
113 E Washington St Winchester, IN 47394	Winchester	Randolph County
210 S Independence St Windfall, IN 46076	Windfall	Tipton County
301 N Main St Winslow, IN 47598	Winslow	Pike County
100 W North St Wolcott, IN 47995	Wolcott	White County

20 S Commercial St Worthington, IN 47471	Worthington	Greene County
Yorktown Police Dept 9730 W Smith St	Yorktown	Delaware County
Yorktown, IN 47396 Zionsville Police Dept	Yorktown	Delaware County
1075 Parkway Dr Zionsville, IN 46077	Zionsville	Boone County

C.3 Fire Stations

Fire dept	County
<u>Adams Markleville Fire Prot. Terr.</u>	Madison
<u>Ainsworth Deep River Fire Dept.</u>	Lake
<u>Albany EMS</u>	Delaware
<u>Aluminum Co. of America</u>	Warrick
<u>Anderson Twp. Fire Dept.</u>	Rush
<u>Auburn Fire Dept.</u>	DeKalb
<u>Aurora Emergency Rescue, Inc</u>	Dearborn
<u>Aurora Fire Dept.</u>	Dearborn
<u>B.P. Fire Brigade</u>	Lake
<u>Bargersville Comm. Fire Dept.</u>	Johnson
<u>Bass Lake Fire Dept. Inc.</u>	Starke
<u>Baugo Fire Dept.</u>	Elkhart
<u>Bicknell Fire Dept.</u>	Knox
<u>Black Diamond Fire Dept.</u>	Vermillion
<u>Black Twp. Fire & Rescue</u>	Posey
<u>Blue River Fire Dept. Inc.</u>	Washington
<u>Bluffton Fire Dept.</u>	Wells
<u>Boone County Fire Dept.</u>	Boone
<u>Boonville Fire Dept.</u>	Warrick
<u>Boston Comm. Fire Dept.</u>	Wayne
<u>Bowling Green Fire Dept.</u>	Clay
<u>Bristol Fire Dept.</u>	Elkhart
<u>Brown Twp. Fire & Rescue</u>	Morgan
<u>Brownsburg Fire Territory</u>	Hendricks
<u>Buck Creek Station 71</u>	Hancock
<u>Buck Creek Station 72</u>	Hancock
<u>Buffalo-Liberty Twp. Fire Dept.</u>	White
<u>Camden – Jackson Twp. Fire Dept.</u>	Carroll
<u>Carter Fire District</u>	Spencer

<u>Cass-Clinton Fire Dept.</u>	La Porte
<u>Celestine Fire Dept.</u>	Dubois
<u>Center Jackson Fire Protection Territory</u>	Greene
<u>Center Point & Comm. Fire Dept.</u>	Clay
<u>Chester Twp. Fire Dept.</u>	Wabash
<u>City of Petersburg Fire Territory</u>	Pike
<u>Clay City-Harrison Twp. Fire Dept.</u>	Clay
<u>Clay County Search & Rescue Unit</u>	Clay
<u>Clay Twp, Owen County Fire Co.</u>	Owen
<u>Clifford Fire Dept.</u>	Bartholomew
<u>Clifty Fire Co. 6</u>	Jefferson
<u>Clinton Twp. Fire Dept.</u>	Cass
<u>Coal Creek Fire Rescue</u>	Montgomery
<u>Concord Twp. Fire Dept.</u>	Elkhart
<u>Concord Twp. Fire Dept.</u>	DeKalb
<u>Covington-Troy Mound Fire Dept.</u>	Fountain
<u>Decatur Fire Dept.</u>	Adams
<u>Decatur Twp. Fire Dept.</u>	Marion
<u>Delphi-Tri Twp. Territory</u>	Carroll
<u>Dillsboro Emergency Unit</u>	Dearborn
<u>Dunreith Fire Dept.</u>	Henry
<u>Dupont-Lancaster Twp. Fire Co. Inc.</u>	Jefferson
<u>Eagle Fire Co., Inc.</u>	Franklin
<u>East Columbus Independent Fire Dept.</u>	Bartholomew
<u>East Enterprise Station 1</u>	Switzerland
<u>Edinburgh Fire & Rescue Dept.</u>	Johnson
<u>Elnora-Elmore Twp. Fire Dept.</u>	Daviess
<u>Fair Play Fire Co. 1</u>	Jefferson
<u>Fair Play Grant Fire Prot. Terr.</u>	Greene
<u>Fairbanks Fire & Rescue</u>	Sullivan
<u>Fairmount City Fire Dept.</u>	Grant
<u>Finley Twp. Fire Dept.</u>	Scott
<u>Fire Dept. of Franklin Twp.</u>	Washington
<u>Fire Dept. of Liberty Twp.</u>	Hendricks
<u>Fire Dept. of Washington Twp. Inc.</u>	Knox
<u>Florence/York Station 2</u>	Switzerland
<u>Floyd Twp. Fire Protection Dist</u>	Putnam
<u>Fountaintown Comm. Fire Dept.</u>	Shelby
<u>Fowler-Center Twp. Fire Dept.</u>	Benton

<u>Franklin County Rescue 24</u>	Franklin
<u>Freelandville Fire Dept.</u>	Knox
<u>French Lick Fire Dept.</u>	Orange
<u>Friendship Fire Dept.</u>	Ripley
<u>Ft. Branch – Union Twp. Fire Dept.</u>	Gibson
<u>Galveston Fire Dept.</u>	Cass
<u>Gas City Fire Dept. Station #1</u>	Grant
<u>Gas City Fire Dept. Station #2</u>	Grant
<u>Gas City Rescue Squad</u>	Grant
<u>Grant Co. EMS</u>	Grant
<u>Green Twp. Fire Dept.</u>	Morgan
<u>Green Twp. Fire Dept.</u>	Grant
<u>Greencastle Fire Dept.</u>	Putnam
<u>Greenfield Fire Protection Territory Station 21</u>	Hancock
<u>Greenfield Fire Protection Territory Station 22</u>	Hancock
<u>Greensburg Fire Dept.</u>	Decatur
<u>Greenville Twp. Fire Dept.</u>	Floyd
<u>Griffith Fire Dept.</u>	Lake
<u>Hagerstown-Jefferson Fire Dept.</u>	Wayne
<u>Hamblen Twp. Fire Dept.</u>	Johnson
<u>Hamilton Twp. Fire Dept.</u>	Jackson
<u>Harrison Twp. Fire & Rescue</u>	Morgan
<u>Harrison Twp. Fire Dept.</u>	Elkhart
<u>Hartford City Fire Dept.</u>	Blackford
<u>Haubstadt Fire Territory</u>	Gibson
<u>Helt Fire & Rescue</u>	Vermillion
<u>Heth Twp. Fire Dept.</u>	Harrison
<u>Highland Fire Dept.</u>	Lake
<u>Highland Twp. Fire Dept.</u>	Greene
<u>Hilmon Firefighters, Inc.</u>	Parke
<u>Hoagland Fire & EMS</u>	Allen
<u>Hogan Twp. Fire Dept. Co. 1</u>	Dearborn
<u>Howard County Emergency Management</u>	Howard
<u>Howe Fire Dept.</u>	LaGrange
<u>IFD – Franklin Twp. Fire Dept.</u>	Marion
<u>Indian Creek Vol Fire Dept.</u>	Lawrence
<u>J. Everett Light Career Center</u>	Marion
<u>Jackson – Washington Fire Dept.</u>	Jackson
<u>Jackson Twp. Fire Dept.</u>	Hamilton

<u>Jackson Vol Fire Corp – Dekalb Co.</u>	DeKalb
<u>Jeff – Craig Fire & Rescue</u>	Switzerland
<u>Johnson Twp. Fire Dept.</u>	Scott
<u>Jonesboro Fire & Rescue</u>	Grant
<u>Keihin Precision Technology Fd</u>	Hancock
<u>Kempton Fire & Rescue Inc.</u>	Tipton
<u>Kent Fire Dept.</u>	Jefferson
<u>Kewanna-Union Twp. Fire Dept.</u>	Fulton
<u>Kingman – Millcreek Fire Dept.</u>	Fountain
<u>Knightstown Wayne Twp. Fire Dept.</u>	Henry
<u>Koontz Lake-Oregon Twp. Fire Dept.</u>	Starke
<u>Ladoga Fire Dept.</u>	Montgomery
<u>Lafayette Twp. Fire Protection District</u>	Floyd
<u>Lagro Fire Dept.</u>	Wabash
<u>Lake Hills Fire Dept.</u>	Lake
<u>Lake of Four Seasons Fire Force</u>	Lake
<u>La Porte County Haz-Mat</u>	La Porte
<u>Lawrenceburg Fire Dept.</u>	Dearborn
<u>Leavenworth Fire Dept.</u>	Crawford
<u>Lewisville-Franklin Fire Dept.</u>	Henry
<u>Liberty Twp. Fire Dept.</u>	St. Joseph
<u>Lilly Fire & Rescue</u>	Marion
<u>Lockhart Twp. Fire Dept.</u>	Pike
<u>Luce Fire Territory</u>	Spencer
<u>Madison Twp. Fire Dept.</u>	Montgomery
<u>Marion Twp. Rural Fire Dept.</u>	Lawrence
<u>Markle Fire Dept.</u>	Huntington
<u>Martin Co. C.D. Fire & Rescue</u>	Martin
<u>Martinsville Fire Dept.</u>	Morgan
<u>McCordsville Fire Dept.</u>	Hancock
<u>Mentone Fire Dept.</u>	Kosciusko
<u>Merrillville Fire Dept. Station 74</u>	Lake
<u>Mexico Comm. Fire Assn.</u>	Miami
<u>Miami Twp. Fire Dept.</u>	Cass
<u>Middlebury Fire Dept.</u>	Elkhart
<u>Middletown EMS</u>	Henry
<u>Middletown Fire Dept.</u>	Henry
<u>Milford Fire Dept.</u>	Kosciusko
<u>Mill Twp. Fire & Rescue</u>	Grant

Millersburg-Clinton Fire Territory	Elkhart
Milton-Washington Twp. Fire Dept.	Wayne
Monroe Twp. Fire District	Morgan
Montgomery Twp. Fire Dept., Inc.	Jennings
Monticello Fire Dept.	White
Moorefield Comm. Fire Dept. Inc.	Switzerland
Mooresville Fire Dept.	Morgan
Morgantown Rural Fire Dept.	Morgan
Nappanee Fire Dept.	Elkhart
Navistar Fire Brigade	Marion
New Chapel Fire Company	Floyd
New Goshen Fire And Rescue Inc.	Vigo
New Haven-Adams Twp. Station 1	Allen
New Haven-Adams Twp. Station 2	Allen
New Haven-Adams Twp. Station 3	Allen
New Middletown Fire Dept., Inc.	Harrison
New Paris Fire Dept.	Elkhart
Noble Twp. Fire Dept.	Noble
North East Allen County Fire & EMS	Allen
North Vernon-Center Twp. Fire Dept.	Jennings
Northern Monroe Fire Territory	Monroe
Novelis Corporation Fire-Rescue	Vigo
Oaktown-Busseron Twp. Fire Dept.	Knox
Ogden Dunes Fire Dept.	Porter
Ohio Twp. Fire Dept.	Spencer
Ohio Valley Search and Rescue	Vanderburgh
Orange Co. Rural Fire Dept. #1	Orange
Orange County Rural Fire Rescue	Orange
Orleans Fire Dept.	Orange
Otter Creek Twp. Fire Dept. Headquarters	Vigo
Otter Creek Twp. Fire Dept. Station 1	Vigo
Otter Creek Twp. Fire Dept. Station 2 – Sandcut	Vigo
Otter Creek Twp. Fire Dept. Station 3- Burnett	Vigo
Owensville-Montgomery Twp. Fire Prot. Dist.	Gibson
Pendleton Fire Dept.	Madison
Penn Twp. Fire Dept.	St. Joseph
Pennville Fire Dept.	Jay
Perry-Clear Creek Fire Dept. Station 1	Monroe
Perry-Clear Creek Fire Dept. Station 2	Monroe

<u>Pigeon Twp. Fire Dept.</u>	Warrick
<u>Pines Fire Dept.</u>	Porter
<u>Pittsboro-Middle Twp. Fire Dept.</u>	Hendricks
<u>Plain Twp. Fire Dept.</u>	Kosciusko
<u>Pleasant Twp. Fire Dept.</u>	Wabash
<u>Plymouth Fire Dept.</u>	Marshall
<u>Poseyville Fire Dept.</u>	Posey
<u>Princeton Fire Territory</u>	Gibson
<u>Prosser Career Education Center</u>	Floyd
<u>Putnamville Correctional Facility</u>	Putnam
<u>Raleigh Fire Dept., Inc.</u>	Rush
<u>Redding Twp. Fire District</u>	Jackson
<u>Reelsville-Washington Fire Dept.</u>	Putnam
<u>Richland Twp. Fire Dept.</u>	Madison
<u>Richland Twp. Fire Rescue</u>	Greene
<u>Richland-Taylor Fire Dept. 2</u>	Greene
<u>Rochester Fire Dept.</u>	Fulton
<u>Rockville-Adams Twp. Fire Dept.</u>	Parke
<u>Rome City-Orange Twp. Fire Dept.</u>	Noble
<u>Rykers Ridge Fire Co.</u>	Jefferson
<u>Salem-Washington Twp. Fire Dept.</u>	Washington
<u>Santa Claus Fire Dept.</u>	Spencer
<u>Saratoga Ward Twp. Fire Territory</u>	Randolph
<u>Schererville Fire Dept.</u>	Lake
<u>Seelyville Fire Dept.</u>	Vigo
<u>Shirley Fire Dept.</u>	Henry
<u>Skelton – Owen Fire Territory</u>	Warrick
<u>South Haven Fire Dept.</u>	Porter
<u>Southeast Daviess Fire District</u>	Daviess
<u>Southwest Allen Co. Fire District</u>	Allen
<u>Southwest Central Fire Territory</u>	St. Joseph
<u>St. Henry Fire Dept.</u>	Dubois
<u>St. Joseph Twp. Fire Rescue</u>	Allen
<u>St. Leon Fire Dept.</u>	Dearborn
<u>St. Meinrad Archabbey V F D</u>	Spencer
<u>Sugar Creek Fire Dept.</u>	Vigo
<u>Sugar Creek Station 42</u>	Hancock
<u>Sugar Creek Station 45</u>	Hancock
<u>Summitville-Van Buren Fire Dept.</u>	Madison

<u>Sunman Area Life Squad</u>	Ripley
<u>Sunman Rural Fire Dept. Inc.</u>	Ripley
<u>Taylor Twp. Vol Fire Dept.</u>	Howard
<u>Thorntown/Sugar Creek Twp Fire Dept.</u>	Boone
<u>Thunderbird Fire Prot. Territory</u>	Sullivan
<u>Tippecanoe Twp. Fire Dept.</u>	Tippecanoe
<u>Toyota Fire Dept.</u>	Gibson
<u>Tri-Township Fire Protection Headquarters</u>	Clark
<u>Tri-Township Fire Protection Station 2</u>	Clark
<u>Tri-Township Fire Protection Station 3</u>	Clark
<u>Twelve Mile Comm. Fire Dept. Inc.</u>	Cass
<u>Union City Ind. Fire Dept.</u>	Randolph
<u>Union Comm. Fire Dept.</u>	Pike
<u>Union Fire Territory</u>	Sullivan
<u>Van Buren Twp. Fire & Rescue</u>	Grant
<u>Veale Fire District</u>	Daviess
<u>Veedersburg-Van Buren Fire Dept.</u>	Fountain
<u>Wabash Twp. Fire Dept.</u>	Tippecanoe
<u>Wadesville-Center Twp. Fire Dept.</u>	Posey
<u>Walnut St. Fire Co. 4</u>	Jefferson
<u>Warsaw – Wayne Fire Territory</u>	Kosciusko
<u>Washington Fire Co. #2</u>	Jefferson
<u>Waterloo-Grant Twp. Fire Dept.</u>	DeKalb
<u>Wayne Twp Fire & Rescue</u>	Bartholomew
<u>Wea Twp. Fire Dept.</u>	Tippecanoe
<u>West College Corner Fire Dept.</u>	Union
<u>Western Fire Co. #3</u>	Jefferson
<u>Wheatfield Vol Fire Dept., Inc.</u>	Jasper
<u>Wildcat Twp. Fire & Rescue</u>	Tipton
<u>Williamsport Fire Dept.</u>	Warren
<u>Winona Lake Fire Dept.</u>	Kosciusko
<u>Worthington Fire Prot. Territory</u>	Greene
<u>Yorktown Fire Dept.</u>	Delaware

C.4 Schools

SCHOOL_NAME	County
21st Century Charter Sch of Gary	Lake
ACE Preparatory Academy	Marion
Adams Central Middle School	Adams
Adams Central Elementary School	Adams
Adams Central High School	Adams
Alexandria-Monroe High School	Madison
Alexandria-Monroe Intermediate	Madison
Alexandria-Monroe Elementary	Madison
Allegiant Preparatory Academy	Marion
COMPASS Alternative School	Madison
Anderson High School	Madison
Edgewood Elementary School	Madison
Tenth Street Elementary School	Madison
Southview Preschool Center	Madison
Valley Grove Elementary School	Madison
Highland Middle School	Madison
Eastside Elementary School	Madison
Anderson Elementary School	Madison
Erskine Elementary School	Madison
Anderson Preparatory Academy	Madison
Andrew J Brown Academy	Marion
Argos Community Elementary	Marshall
Argos Comm Jr-Sr High School	Marshall
Aspire Charter Academy	Lake
Attica High School	Fountain
Attica Elementary School	Fountain
River Birch Elementary School	Hendricks
Avon Intermediate School East	Hendricks
Avon Intermediate School West	Hendricks
Avon Middle School North	Hendricks
Maple Elementary School	Hendricks
White Oak Elementary School	Hendricks
Sycamore Elementary School	Hendricks
Avon Middle School South	Hendricks
Avon High School	Hendricks
Cedar Elementary School	Hendricks

Pine Tree Elementary School	Hendricks
Hickory Elementary School	Hendricks
Avondale Meadows Academy	Marion
Avondale Meadows Middle School	Marion
Barr Reeve Middle/High School	Daviess
Barr Reeve Primary Grade School	Daviess
Barr Reeve Elementary School	Daviess
Clifty Creek Elementary School	Bartholomew
CSA Lincoln Campus	Bartholomew
Mount Healthy Elementary School	Bartholomew
Richard L Johnson Early Educ Cntr	Bartholomew
Parkside Elementary School	Bartholomew
W D Richards Elementary School	Bartholomew
Rockcreek Elementary School	Bartholomew
Lillian Schmitt Elementary School	Bartholomew
L F Smith Elementary	Bartholomew
CSA Fodrea Campus	Bartholomew
Taylorsville Elementary School	Bartholomew
Columbus Area Career Connection	Bartholomew
Central Middle School	Bartholomew
Southside Elementary School	Bartholomew
Northside Middle School	Bartholomew
Columbus North High School	Bartholomew
Columbus East High School	Bartholomew
Batesville High School	Ripley
Batesville Primary School	Ripley
Batesville Middle School	Ripley
Batesville Intermediate School	Ripley
Jimtown High School	Elkhart
Jimtown Junior High School	Elkhart
Jimtown Elementary School	Elkhart
Jimtown Intermediate School	Elkhart
Beech Grove Sr High School	Marion
Beech Grove Middle School	Marion
Central Elementary School	Marion
South Grove Intermediate School	Marion
Hornet Park Elementary School	Marion
Otterbein Elementary School	Benton
Boswell Elementary School	Benton

Benton Central Jr-Sr High School	Benton
Prairie Crossing Elementary School	Benton
Montpelier School	Blackford
Blackford High School	Blackford
Blackford Junior High School	Blackford
North Side Elementary School	Blackford
Southside Elementary School	Blackford
Bloomfield Elementary School	Greene
Bloomfield Jr-Sr High School	Greene
Blue River Valley Jr-Sr High Sch	Henry
Blue River Valley Elementary Sch	Henry
Bremen Senior High School	Marshall
Bremen Elementary/Middle School	Marshall
Brown County Intermediate School	Brown
Brown County High School	Brown
Van Buren Elementary School	Brown
Helmsburg Elementary School	Brown
Sprunica Elementary School	Brown
Brown County Junior High	Brown
Brown Elementary School	Hendricks
Brownsburg Early Childhood Center	Hendricks
Brownsburg High School	Hendricks
Eagle Elementary School	Hendricks
Brownsburg West Middle School	Hendricks
Reagan Elementary School	Hendricks
Delaware Trail Elementary School	Hendricks
Brownsburg East Middle School	Hendricks
White Lick Elementary School	Hendricks
Cardinal Elementary School	Hendricks
Lincoln Elementary School	Hendricks
Brownstown Central Middle School	Jackson
Brownstown Central High School	Jackson
Brownstown Elementary School	Jackson
Burriss Laboratory School	Delaware
Knightstown High School	Henry
Knightstown Intermediate School	Henry
Knightstown Elementary School	Henry
Canaan Community Academy	Jefferson
Cannelton Elementary & High School	Perry

Career Academy High School	St Joseph
Career Academy Middle School	St Joseph
Carmel High School	Hamilton
Clay Middle School	Hamilton
Woodbrook Elementary School	Hamilton
Cherry Tree Elementary School	Hamilton
Carmel Elementary School	Hamilton
College Wood Elementary School	Hamilton
Carmel Middle School	Hamilton
Smoky Row Elementary School	Hamilton
Orchard Park Elementary School	Hamilton
Prairie Trace Elementary School	Hamilton
Mohawk Trails Elementary School	Hamilton
Forest Dale Elementary School	Hamilton
Creekside Middle School	Hamilton
Towne Meadow Elementary School	Hamilton
West Clay Elementary School	Hamilton
Carroll Senior High School	Carroll
Carroll Junior High School	Carroll
Carroll Elementary School	Carroll
Caston Elementary School	Fulton
Caston Jr-Sr High School	Fulton
Sugar Grove Elementary School	Johnson
Center Grove Elementary School	Johnson
Center Grove High School	Johnson
Maple Grove Elementary School	Johnson
North Grove Elementary School	Johnson
Center Grove Middle School Central	Johnson
Center Grove Middle School North	Johnson
Pleasant Grove Elementary School	Johnson
Centerville Sr High School	Wayne
Centerville-Abington Jr High Sch	Wayne
Centerville-Abington Elem School	Wayne
Rose Hamilton Elementary School	Wayne
Central Noble Primary School	Noble
Central Noble Junior Senior HS	Noble
Central Noble Elementary School	Noble
Charles A Tindley Accelerated Sch	Marion
Charter School of the Dunes	Lake

Christel House Academy South	Marion
Christel House Academy West	Marion
Christel House DORS	Marion
Circle City Prep Charter School	Marion
Clark Elementary School	Johnson
Whiteland Community High School	Johnson
Grassy Creek Elementary School	Johnson
Sawmill Woods Elementary School	Johnson
Whiteland Elementary School	Johnson
Clark Pleasant Middle School	Johnson
Break-O-Day Elementary School	Johnson
Pleasant Crossing Elementary	Johnson
Clarksville Senior High School	Clark
Clarksville Elementary School	Clark
Clarksville Middle School	Clark
Clay City Elementary School	Clay
Clay City Jr-Sr High School	Clay
Jackson Township Elementary School	Clay
Staunton Elementary School	Clay
Van Buren Elementary School	Clay
North Clay Middle School	Clay
Northview High School	Clay
East Side Elementary School	Clay
Forest Park Elementary School	Clay
Meridian Street Elementary School	Clay
Clinton Central Junior-Senior HS	Clinton
Clinton Central Elementary School	Clinton
Clinton Prairie Jr-Sr High School	Clinton
Clinton Prairie Elementary School	Clinton
Cloverdale High School	Putnam
Cloverdale Elementary School	Putnam
Cloverdale Middle School	Putnam
Community Montessori	Floyd
Frankfort High School	Clinton
Frankfort Middle School	Clinton
Blue Ridge Primary Elementary Sch	Clinton
Green Meadows Intermediate Elem	Clinton
Suncrest Elementary School	Clinton
Concord Junior High School	Elkhart

Concord Community High School	Elkhart
Concord Intermediate School	Elkhart
Concord East Side Elementary Sch	Elkhart
Concord Ox-Bow Elementary School	Elkhart
Concord South Side Elementary Sch	Elkhart
Concord West Side Elem School	Elkhart
Covington Community High School	Fountain
Covington Elementary School	Fountain
Covington Middle School	Fountain
Cowan Elementary School	Delaware
Cowan High School	Delaware
South Crawford Elementary School	Crawford
West Crawford Elementary School	Crawford
Crawford County High School	Crawford
Crawford County Middle School	Crawford
East Crawford Elementary School	Crawford
Crawfordsville Sr High School	Montgomery
Crawfordsville Middle School	Montgomery
Mollie B Hoover Elementary School	Montgomery
Laura Hose Elementary School	Montgomery
Meredith Nicholson Elementary Sch	Montgomery
Anna Willson School	Montgomery
Crothersville Jr-Sr High School	Jackson
Crothersville Elementary School	Jackson
Robert Taft Middle School	Lake
Douglas MacArthur Elem School	Lake
Dwight D Eisenhower Elem School	Lake
Winfield Elementary School	Lake
Crown Point High School	Lake
Lake Street Elementary School	Lake
Solon Robinson Elementary School	Lake
Jerry Ross Elementary School	Lake
Timothy Ball Elementary School	Lake
Colonel John Wheeler Middle School	Lake
Emma Donnan Middle School	Marion
Thomas Carr Howe Comm High School	Marion
Emmerich Manual High School	Marion
Culver Community Middle/High Sch	Marshall
Culver Elementary School	Marshall

Daleville Jr-Sr High School	Delaware
Daleville Elementary School	Delaware
Damar Charter Academy	Marion
North Elementary School	Hendricks
Danville Community High School	Hendricks
Danville Middle School	Hendricks
South Elementary School	Hendricks
South Decatur Jr-Sr High School	Decatur
South Decatur Elementary School	Decatur
North Decatur Elementary School	Decatur
North Decatur Jr-Sr High School	Decatur
Waterloo Elementary School	Dekalb
DeKalb High School	Dekalb
DeKalb Middle School	Dekalb
James R Watson Elementary School	Dekalb
McKenney-Harrison Elementary Sch	Dekalb
Country Meadow Elementary School	Dekalb
Eastside Junior-Senior High School	Dekalb
Butler Elementary School	Dekalb
Four County Area Voc Coop	Dekalb
Riverdale Elementary School	Dekalb
Northeast IN Spec Ed Coop	Dekalb
Royerton Elementary School	Delaware
Delta Middle School	Delaware
Delta High School	Delaware
Eaton Elementary School	Delaware
Albany Elementary School	Delaware
Delphi Community Middle School	Carroll
Delphi Community High School	Carroll
Delphi Community Elementary School	Carroll
Discovery Charter School	Porter
Dr Robert H Faulkner Academy	Grant
Dugger Union Community School Corp	Sullivan
Jackson Elementary School	Porter
Brummitt Elementary School	Porter
Liberty Intermediate School	Porter
Liberty Elementary School	Porter
Chesterton Senior High School	Porter
Westchester Intermediate School	Porter

Bailly Elementary School	Porter
Chesterton Middle School	Porter
Newton Yost Elementary School	Porter
Prince Chapman Academy	Allen
Leo Junior/Senior High School	Allen
Leo Elementary School	Allen
Heritage Jr/Sr High School	Allen
New Haven Primary School	Allen
Heritage Elementary School	Allen
Woodlan Jr/Sr High School	Allen
Cedarville Elementary School	Allen
Paul Harding Jr High School	Allen
New Haven High School	Allen
New Haven Middle School	Allen
New Haven Intermediate School	Allen
Southwick Elementary School	Allen
EACS Early Childhood Preschool	Allen
Woodlan Elementary School	Allen
East Allen University	Allen
East Chicago Lighthouse	Lake
East Chicago Urban Enterprise Acad	Lake
Barton Township Elementary	Gibson
Waldo J Wood Memorial JHS	Gibson
Francisco Elementary School	Gibson
Waldo J Wood Memorial High	Gibson
Oakland City Elementary School	Gibson
Avilla Elementary School	Noble
East Noble High School	Noble
East Noble Middle School	Noble
Rome City Elementary School	Noble
North Side Elementary School	Noble
South Side Elementary School	Noble
Wayne Center Elem School	Noble
Morgan Township Middle/High School	Porter
Morgan Township Elementary School	Porter
Kouts Middle/High School	Porter
Kouts Elementary School	Porter
Washington Twp Middle/High School	Porter
Washington Twp Elementary School	Porter

East Washington Elementary School	Washington
Eastern High School	Washington
East Washington Middle School	Washington
Eastbrook South Elementary	Grant
Eastbrook North Elementary	Grant
Early Childhood Center	Grant
Eastbrook High School	Grant
Eastbrook Junior High School	Grant
Eastern Greene Elementary School	Greene
Eastern Greene High School	Greene
Eastern Greene Middle School	Greene
Eastern Hancock Middle School	Hancock
Eastern Hancock High School	Hancock
Eastern Hancock Elementary School	Hancock
Eastern Elementary School	Howard
Eastern Middle School	Howard
Eastern High School	Howard
Eastern Pulaski Elementary School	Pulaski
Winamac Community Middle School	Pulaski
Winamac Community High School	Pulaski
Edinburgh Community High School	Johnson
Edinburgh Comm Middle School	Johnson
East Side Elementary School	Johnson
Theodore Roosevelt Car & Tech Acad	Lake
Cleveland Elementary School	Elkhart
Osolo Elementary School	Elkhart
Eastwood Elementary School	Elkhart
Mary Feeser Elementary School	Elkhart
Bristol Elementary School	Elkhart
Elkhart Central High School	Elkhart
Elkhart Memorial High School	Elkhart
Elkhart Area Career Center	Elkhart
Elkhart Alternative Education	Elkhart
North Side Middle School	Elkhart
West Side Middle School	Elkhart
Pierre Moran Middle School	Elkhart
Beardsley Elementary School	Elkhart
Mary Beck Elementary School	Elkhart
Mary Daly Elementary School	Elkhart

Hawthorne Elementary School	Elkhart
Pinewood Elementary School	Elkhart
Monger Elementary School	Elkhart
Riverview Elementary School	Elkhart
Roosevelt STEAM Academy	Elkhart
Woodland Elementary School	Elkhart
Elwood Jr-Sr High School	Madison
Elwood Intermediate School	Madison
Elwood Elementary School	Madison
John H Hinds Career Center	Madison
Eminence Jr-Sr High School	Morgan
Eminence Elementary School	Morgan
Enlace Academy	Marion
Cynthia Heights Elementary School	Vanderburgh
Scott Elementary School	Vanderburgh
North Junior High School	Vanderburgh
Oak Hill Elementary	Vanderburgh
Benjamin Bosse High School	Vanderburgh
Central High School	Vanderburgh
McCutchanville Elementary School	Vanderburgh
Francis Joseph Reitz High School	Vanderburgh
Lincoln School	Vanderburgh
North High School	Vanderburgh
Southern Ind Career and Tech Cent	Vanderburgh
Caze Elementary School	Vanderburgh
Cedar Hall Community School	Vanderburgh
Harwood Career Prep High School	Vanderburgh
Academy for Innovative Studies	Vanderburgh
Delaware Elementary School	Vanderburgh
Dexter Elementary School	Vanderburgh
Fairlawn Elementary School	Vanderburgh
Glenwood Leadership Academy	Vanderburgh
Harper Elementary School	Vanderburgh
William Henry Harrison High School	Vanderburgh
Hebron Elementary School	Vanderburgh
Helfrich Park STEM Academy	Vanderburgh
Stockwell Elementary School	Vanderburgh
Thompkins Middle School	Vanderburgh
Highland Elementary School	Vanderburgh

New Tech Institute	Vanderburgh
Culver Family Learning Center	Vanderburgh
Lodge Community School	Vanderburgh
McGary Middle School	Vanderburgh
Perry Heights Middle School	Vanderburgh
Plaza Park International Prep Acad	Vanderburgh
Evans School	Vanderburgh
Stringtown Elementary School	Vanderburgh
Tekoppel Elementary School	Vanderburgh
Vogel Elementary School	Vanderburgh
Washington Middle School	Vanderburgh
Daniel Wertz Elementary School	Vanderburgh
West Terrace Elementary School	Vanderburgh
Excel Center - Anderson	Madison
Excel Center - Clarksville	Clark
Excel Center - Gary	Lake
Excel Center - Hammond	St Joseph
Excel Center - Kokomo	Howard
Excel Center - Lafayette	Tippecanoe
Excel Center - Lafayette Square	Marion
Excel Center - Muncie	Delaware
Excel Center - Noblesville	Hamilton
Excel Center - Richmond	Wayne
Excel Center - Shelbyville	Shelby
Excel Center - South Bend	St Joseph
Excel Center - University Heights	Marion
Excel Center For Adult Learners	Marion
Fairfield Jr-Sr High School	Elkhart
Millersburg Elementary- Middle Sch	Elkhart
New Paris Elementary School	Elkhart
Benton Elementary School	Elkhart
Everton Elementary School	Fayette
Connersville Sr High School	Fayette
Connersville Middle School	Fayette
Eastview Elementary School	Fayette
Frazee Elementary School	Fayette
Grandview Elementary School	Fayette
Maplewood Elementary School	Fayette
Fayette Central Elementary	Fayette

Whitewater Career Center	Fayette
Hope Elementary School	Bartholomew
Hauser Jr-Sr High School	Bartholomew
Anthis Career Center	Allen
Allen Co Juvenile Center	Allen
North Side High School	Allen
R Nelson Snider High School	Allen
South Side High School	Allen
Blackhawk Middle School	Allen
Jeff H Towles Intermediate School	Allen
Jefferson Middle School	Allen
Kekionga Middle School	Allen
Lakeside Middle School	Allen
Lane Middle School	Allen
Memorial Park Middle School	Allen
Miami Middle School	Allen
Northwood Middle School	Allen
Portage Middle School	Allen
Weisser Park Elementary School	Allen
Fairfield Elementary School	Allen
Merle J Abbett Elementary School	Allen
Adams Elementary School	Allen
Bloomingtondale Elementary School	Allen
Bunche Elementary School	Allen
Brentwood Elementary School	Allen
Fred H Croninger Elementary School	Allen
Forest Park Elementary School	Allen
Franke Park Elementary School	Allen
Glenwood Park Elementary School	Allen
J Wilbur Haley Elementary School	Allen
Wayne High School	Allen
Harrison Hill Elementary School	Allen
Mabel K Holland Elementary School	Allen
Indian Village Elementary School	Allen
John S Irwin Elementary School	Allen
Lindley Elementary School	Allen
Maplewood Elementary School	Allen
Willard Shambaugh Elementary Sch	Allen
Northcrest Elementary School	Allen

Northrop High School	Allen
Francis M Price Elementary School	Allen
Saint Joseph Central School	Allen
Robert C Harris Elementary School	Allen
Shawnee Middle School	Allen
Whitney M Young Early Childhood	Allen
Levan R Scott Academy	Allen
South Wayne Elementary School	Allen
Study Elementary School	Allen
Washington Elementary School	Allen
Washington Center Elementary Sch	Allen
Lincoln Elementary School	Allen
Waynedale Elementary School	Allen
Arlington Elementary School	Allen
Needham Elementary School	Johnson
Union Elementary School	Johnson
Franklin Community High School	Johnson
Franklin Community Middle School	Johnson
Custer Baker Intermediate School	Johnson
Northwood Elementary School	Johnson
Webb Elementary School	Johnson
Creekside Elementary School	Johnson
Laurel School	Franklin
Franklin County High	Franklin
Franklin County Middle School	Franklin
Brookville Elementary School	Franklin
Mount Carmel School	Franklin
Franklin Central High School	Marion
South Creek Elementary	Marion
Franklin Township Middle Schl East	Marion
Franklin Township Middle Sch West	Marion
Thompson Crossing Elementary Sch	Marion
Mary Adams Elementary School	Marion
Acton Elementary School	Marion
Arlington Elementary School	Marion
Lillie Idella Kitley Elementary	Marion
Bunker Hill Elementary School	Marion
Frankton Jr-Sr High School	Madison
Frankton Elementary School	Madison

Lapel Sr High School	Madison
Lapel Middle School	Madison
Lapel Elementary School	Madison
Fremont High School	Steuben
Fremont Elementary School	Steuben
Fremont Middle School	Steuben
Frontier Elementary	White
Frontier Jr-Sr High School	White
Garrett High School	Dekalb
J E Ober Elementary School	Dekalb
Garrett Middle School	Dekalb
Banneker Elementary at Marquette	Lake
Mary M Bethune Early Child Dev Ctr	Lake
Beveridge Elementary School	Lake
Frankie W McCullough Acad for Girl	Lake
Bailly Preparatory Academy	Lake
Gary Career Center	Lake
Glen Park Acad for Excel in Lrn	Lake
West Side Leadership Academy	Lake
Daniel Hale Williams Elem Sch	Lake
Gary Middle School	Lake
Gary Lighthouse Charter School	Lake
Gary Middle College	Lake
Gary Middle College West	Lake
Geist Montessori Academy	Hancock
Global Preparatory Academy	Marion
Goshen Middle School	Elkhart
Model Elementary School	Elkhart
Waterford Elementary School	Elkhart
Goshen High School	Elkhart
Chamberlain Elementary School	Elkhart
Chandler Elementary School	Elkhart
Parkside Elementary School	Elkhart
Prairie View Elementary School	Elkhart
West Goshen Elementary School	Elkhart
W E Wilson Elementary	Clark
Thomas Jefferson Elementary School	Clark
Northaven Elementary School	Clark
Utica Elementary School	Clark

New Washington Elementary School	Clark
New Washington Middle/High School	Clark
Charlestown Senior High School	Clark
Jonathan Jennings Elementary Sch	Clark
Pleasant Ridge Elementary School	Clark
Jeffersonville High School	Clark
Parkview Middle School	Clark
Charlestown Middle School	Clark
Bridgepoint Elementary School	Clark
Maple Elementary School	Clark
Riverside Elementary School	Clark
Spring Hill Elementary School	Clark
Parkwood Elementary School	Clark
River Valley Middle School	Clark
Old Corden Porter School	Clark
Clark County Middle/High School	Clark
Ireland Elementary School	Dubois
Jasper Middle School	Dubois
Exceptional Children's Cooperative	Dubois
Jasper High School	Dubois
Fifth Street Elementary School	Dubois
Tenth Street School	Dubois
Greencastle Senior High School	Putnam
Greencastle Middle School	Putnam
Tzouanakis Intermediate School	Putnam
Martha J Ridpath Elementary School	Putnam
Deer Meadow Primary School	Putnam
Maxwell Intermediate School	Hancock
Greenfield Central Junior High Sch	Hancock
Eden Elementary School	Hancock
JB Stephens Elementary School	Hancock
Greenfield Intermediate School	Hancock
Greenfield-Central High School	Hancock
Harris Elementary School	Hancock
Weston Elementary School	Hancock
Greensburg Community High School	Decatur
Greensburg Community Jr High	Decatur
Greensburg Elementary	Decatur
Greenwood Community High Sch	Johnson

Greenwood Middle School	Johnson
Greenwood Northeast Elementary Sch	Johnson
Westwood Elementary School	Johnson
V O Isom Central Elem School	Johnson
Southwest Elementary School	Johnson
Beiriger Elementary School	Lake
Griffith Senior High School	Lake
Griffith Middle School	Lake
Eldon Ready Elementary School	Lake
Elsie Wadsworth Elementary School	Lake
Hamilton Community High School	Steuben
Hamilton Community Elementary Sch	Steuben
Hamilton Heights High School	Hamilton
Hamilton Heights Elementary School	Hamilton
Hamilton Heights Middle School	Hamilton
Hamilton Heights Primary School	Hamilton
Brooks School Elementary	Hamilton
New Britton Elementary School	Hamilton
Fishers Elementary School	Hamilton
Cumberland Road Elem School	Hamilton
Hoosier Road Elementary School	Hamilton
FOCUS Program	Hamilton
Fall Creek Elementary School	Hamilton
Geist Elementary School	Hamilton
Lantern Road Elementary School	Hamilton
Fishers Junior High School	Hamilton
Sand Creek Intermediate School	Hamilton
Harrison Parkway Elementary School	Hamilton
Sand Creek Elementary	Hamilton
Thorpe Creek Elementary	Hamilton
Fall Creek Intermediate School	Hamilton
Fall Creek Junior High	Hamilton
Fishers High School	Hamilton
Hamilton SE Int and Jr High Sch	Hamilton
Riverside Junior High	Hamilton
Durbin Elementary School	Hamilton
Hamilton Southeastern HS	Hamilton
Riverside Intermediate School	Hamilton
Hammond Academy of Science & Tech	Lake

Jane Ball Elementary School	Lake
Lincoln Elementary School	Lake
Hanover Central Middle School	Lake
Hanover Central High School	Lake
Herron High School	Marion
Higher Institute of Arts & Tech	Lake
Hoosier Academy - Indianapolis	Marion
Hope Academy	Marion
Andrews Elementary School	Huntington
Riverview School	Huntington
Roanoke Elementary School	Huntington
Salamonie School	Huntington
Crestview Middle School	Huntington
Huntington North High School	Huntington
Flint Springs Elementary	Huntington
Huntington Schools Preschool	Huntington
Lincoln Elementary School	Huntington
Horace Mann Elementary	Huntington
Ignite Achievement Academy	Marion
IN Math & Science Academy	Marion
IN Math & Science Academy - North	Marion
IN Sch for the Blind & Vis Imprd	Marion
Indiana Academy for Sci Math Hmn	Delaware
Indiana Agriculture and Technology	Morgan
Indiana Connections Academy	Marion
Indiana Connections Career Academy	Marion
Logansport Juvenile Correctional	Marion
Camp Summit Juvenile Facility	Marion
Pendleton Juvenile Correctional	Marion
Madison Juvenile Correctional	Marion
Dept of Correction Adult Schools	Marion
Indiana School For The Deaf	Marion
Indiana Virtual Pathways Academy	Marion
Indiana Virtual School	Marion
Indianapolis Academy of Excellence	Marion
Indianapolis Lighthouse East	Marion
Indianapolis Metropolitan High Sch	Marion
Impact Academy	Marion
Thrival Academy	Marion

HW Longfellow Med/STEM Magnet Midl	Marion
Arsenal Technical High School	Marion
Crispus Attucks Medical Magnet HS	Marion
Shortridge High School	Marion
Cold Spring School	Marion
George Washington Comm Middle Sch	Marion
Washington Irving School 14	Marion
Thomas D Gregg School 15	Marion
Northwest Community Middle School	Marion
James A Garfield School 31	Marion
Eleanor Skillen School 34	Marion
Center for Inquiry School 70	Marion
William McKinley School 39	Marion
Elder W Diggs School 42	Marion
James Whitcomb Riley School 43	Marion
Riverside School 44	Marion
Daniel Webster School 46	Marion
Louis B Russell Jr School 48	Marion
William Penn School 49	Marion
James Russell Lowell School 51	Marion
Brookside School 54	Marion
IPS/ Butler Eliza Blaker School 55	Marion
Francis W Parker School 56	Marion
George W Julian School 57	Marion
Ralph Waldo Emerson School 58	Marion
IPS/ Butler Lab @ William Bell 60	Marion
Wendell Phillips School 63	Marion
Raymond F Brandes School 65	Marion
Stephen Foster School 67	Marion
Joyce Kilmer School 69	Marion
Edison School of the Arts 47	Marion
Theodore Potter School 74	Marion
Merle Sidener Gifted Academy	Marion
Carl Wilde School 79	Marion
Christian Park School 82	Marion
Floro Torrence School 83	Marion
George Washington Carver School 87	Marion
Anna Brochhausen School 88	Marion
Ernie Pyle School 90	Marion

Rousseau McClellan School 91	Marion
George H Fisher School 93	Marion
Meredith Nicholson School 96	Marion
Emma Donnan Elementary School	Marion
H L Harshman Middle School	Marion
Francis Bellamy Pre-School Center	Marion
Phalen at Francis Scott Key 103	Marion
Charles Warren Fairbanks Sch 105	Marion
Robert Lee Frost School 106	Marion
Lew Wallace School 107	Marion
Jonathan Jennings School 109	Marion
Paul I Miller School 114	Marion
Gambold Pre-School	Marion
George S Buck School 94	Marion
Arlington Woods School 99	Marion
Center For Inquiry School 2	Marion
George Washington Community HS	Marion
Center for Inquiry School 84	Marion
Clarence Farrington School 61	Marion
Center for Inquiry School 27	Marion
Frederick Douglass School 19	Marion
Indpls Lighthouse Charter School	Marion
Insight School of Indiana	Marion
Inspire Academy - A Sch of Inquiry	Delaware
Irvington Community School	Marion
J & R Phalen Leadership Academy	Marion
Jac-Cen-Del MS/HS	Ripley
Jac-Cen-Del Elementary School	Ripley
Jay County High School	Jay
Bloomfield Elementary School	Jay
Redkey Elementary School	Jay
East Jay County Middle School	Jay
General Shanks Elem School	Jay
West Jay County Middle School	Jay
East Elementary School	Jay
Westlawn Elementary School	Jay
Jennings County High School	Jennings
Sand Creek Elementary School	Jennings
Scipio Elementary School	Jennings

Graham Creek Elementary School	Jennings
Hayden Elementary School	Jennings
Brush Creek Elementary School	Jennings
Jennings County Middle School	Jennings
North Vernon Elementary School	Jennings
Harold C Urey Middle School	St Joseph
John Glenn High School	St Joseph
North Liberty School	St Joseph
Walkerton Elementary School	St Joseph
Joshua Academy	Vanderburgh
Kankakee Valley High School	Jasper
Kankakee Valley Middle School	Jasper
DeMotte Elementary School	Jasper
Wheatfield Elementary School	Jasper
Kankakee Valley Intermediate Sch	Jasper
Kindezi Academy	Marion
KIPP Indy College Prep Middle	Marion
KIPP Indy Unite Elementary	Marion
Knox Community High School	Starke
Knox Community Middle School	Starke
Knox Community Elementary School	Starke
Sycamore Elementary School	Howard
Bon Air Elementary School	Howard
Boulevard Elementary School	Howard
Kokomo Area Career Center	Howard
Bon Air Middle School	Howard
Central Middle School	Howard
Elwood Haynes Elementary School	Howard
Maple Crest Middle School	Howard
Lafayette Park Elementary School	Howard
Pettit Park School	Howard
Wallace Elementary School	Howard
Kokomo High School	Howard
Oakland High School	Tippecanoe
Jefferson High School	Tippecanoe
Lafayette Sunnyside Intermediate	Tippecanoe
Lafayette Tecumseh Jr High School	Tippecanoe
Edgelea Elementary School	Tippecanoe
Glen Acres Elementary School	Tippecanoe

Miami Elementary School	Tippecanoe
Thomas Miller Elementary School	Tippecanoe
Murdock Elementary School	Tippecanoe
Oakland Elementary School	Tippecanoe
Vinton Elementary School	Tippecanoe
Amelia Earhart Elementary School	Tippecanoe
Greater Lafayette Area SE	Tippecanoe
Michael Grimmer Middle School	Lake
Lake Central High School	Lake
Kolling Elementary School	Lake
Hal E Clark Middle School	Lake
George Bibich Elementary School	Lake
James H Watson Elementary School	Lake
Kahler Middle School	Lake
Protsman Elementary School	Lake
West Lake Spec Ed Coop	Lake
Homan Elementary School	Lake
Peifer Elementary School	Lake
Calumet New Tech High School	Lake
Longfellow New Tech Elementary Sch	Lake
Hosford Park New Tech Elementary	Lake
Lake Ridge New Tech Middle School	Lake
Thomas A Edison Jr-Sr HS	Lake
Alexander Hamilton Elementary Sch	Lake
Virgil I Bailey Elementary School	Lake
Lakeland High School	LaGrange
Parkside Elementary School	LaGrange
Wolcott Mills Elementary School	LaGrange
Lakeland Middle School	LaGrange
Lima-Brighton Elementary	LaGrange
Lanesville Elementary School	Harrison
Lanesville Jr-Sr HS	Harrison
Indian Trail Elementary School	La Porte
Kesling Middle School	La Porte
Kingsford Heights Elementary Sch	La Porte
Kingsbury Elementary School	La Porte
La Porte High School	La Porte
Paul F Boston Middle School	La Porte
Hailmann Elementary School	La Porte

F Willard Crichfield Elementary	La Porte
Lincoln Elementary School	La Porte
Riley Elementary School	La Porte
Handley Elementary School	La Porte
Lawrenceburg High School	Dearborn
Greendale Middle School	Dearborn
Lawrenceburg Primary School	Dearborn
Central Elementary School	Dearborn
Perry Worth Elementary School	Boone
Lebanon Senior High School	Boone
Lebanon Middle School	Boone
Central Elementary School	Boone
Harney Elementary School	Boone
Hattie B Stokes Elementary School	Boone
Lewis Cass High School	Cass
Lewis Cass Junior High School	Cass
Lewis Cass Polytechnic Academy	Cass
Lewis Cass Elementary School	Cass
Wapahani High School	Delaware
Selma Middle School	Delaware
Selma Elementary School	Delaware
Linton-Stockton High School	Greene
Linton-Stockton Jr High School	Greene
Linton-Stockton Elementary	Greene
Logansport Community High School	Cass
Logansport Junior High School	Cass
Franklin Elementary School	Cass
Fairview Elementary School	Cass
Landis Elementary School	Cass
Columbia Elementary School	Cass
Columbia 6th Grade Academy	Cass
Century Career Center	Cass
Logansport Area Jnt Spec Ed	Cass
Loogootee Elementary School	Martin
Loogootee Middle School	Martin
Loogootee High School	Martin
Bluffton High School	Wells
Bluffton-Harrison Middle School	Wells
Bluffton-Harrison Elementary Sch	Wells

Hebron High School	Porter
Hebron Middle School	Porter
Hebron Elementary School	Porter
Decatur Central High School	Marion
Gold Academy	Marion
Blue Academy	Marion
Decatur Middle School	Marion
Stephen Decatur Elementary School	Marion
Valley Mills Elementary School	Marion
Decatur Twp School for Excellence	Marion
West Newton Elementary School	Marion
Liberty Early Elementary School	Marion
Lawrence Central High School	Marion
Lawrence North High School	Marion
Belzer Middle School	Marion
Brook Park Elementary School	Marion
Mary Evelyn Castle Elementary Sch	Marion
Early Learning Center	Marion
Crestview Elementary School	Marion
Amy Beverland Elementary	Marion
Harrison Hill Elementary School	Marion
Fall Creek Valley Middle School	Marion
Indian Creek Elementary School	Marion
Forest Glen Elementary School	Marion
Winding Ridge Elementary School	Marion
Oaklandon Elementary School	Marion
Skiles Test Elementary School	Marion
Sunnyside Elementary School	Marion
McKenzie Career Center	Marion
Green Township Elementary School	Morgan
Martinsville High School	Morgan
John R. Wooden Middle School	Morgan
Bell Intermediate Academy	Morgan
Brooklyn STEM Academy	Morgan
Centerton Elementary School	Morgan
South Elementary School	Morgan
Charles L Smith Arts Academy	Morgan
Paragon Elementary School	Morgan
Poston Road Elementary School	Morgan

Mount Vernon High School	Posey
Mount Vernon Jr High School	Posey
West Elementary School	Posey
Farmersville Elementary School	Posey
Marrs Elementary School	Posey
North Posey Junior High School	Posey
North Posey High School	Posey
North Elementary School	Posey
South Terrace Elementary	Posey
Westville Elementary School	La Porte
Westville High School	La Porte
Fishback Creek Public Academy	Marion
Deer Run Elementary	Marion
Pike High School	Marion
College Park Elementary School	Marion
Lincoln Middle School	Marion
Guion Creek Middle School	Marion
Central Elementary School	Marion
Eagle Creek Elementary School	Marion
Eastbrook Elementary School	Marion
Guion Creek Elementary School	Marion
Snacks Crossing Elementary School	Marion
New Augusta Public Academy - South	Marion
New Augusta Public Academy - North	Marion
Shakamak Jr-Sr High School	Greene
Shakamak Elementary School	Greene
Aboite Elementary School	Allen
Whispering Meadow Elementary Sch	Allen
Homestead Senior High School	Allen
Summit Middle School	Allen
Lafayette Meadow School	Allen
Woodside Middle School	Allen
Haverhill Elementary School	Allen
Deer Ridge Elementary	Allen
Covington Elementary School	Allen
Angola High School	Steuben
Angola Middle School	Steuben
Carlin Park Elementary School	Steuben
Ryan Park Elementary School	Steuben

Hendry Park Elementary School	Steuben
Pleasant Lake Elementary School	Steuben
Northfield Jr-Sr High School	Wabash
Southwood Jr-Sr High School	Wabash
Southwood Elementary School	Wabash
Sharp Creek Elementary School	Wabash
Wabash/Miami Area Prog Excpt	Wabash
White's Jr-Sr High School	Wabash
Metro North Elementary School	Wabash
Williamsport Elementary School	Warren
Pine Village Elementary School	Warren
Seeger Memorial Jr-Sr High School	Warren
Warren Central Elementary School	Warren
Warren Central High School	Marion
Creston Middle School	Marion
Stonybrook Middle School	Marion
Raymond Park Middle School	Marion
Eastridge Elementary School	Marion
Hawthorne Elementary School	Marion
Grassy Creek Elementary School	Marion
Lakeside Elementary School	Marion
Lowell Elementary School	Marion
Pleasant Run Elementary School	Marion
Sunny Heights Elementary School	Marion
Brookview Elementary School	Marion
Walker Career Center	Marion
Warren Early Childhood Center	Marion
Liberty Park Elementary School	Marion
Creston Intermediate Academy	Marion
Stonybrook Intermediate Academy	Marion
Raymond Park Intermediate	Marion
Allisonville Elementary School	Marion
Crooked Creek Elementary School	Marion
Greenbriar Elementary School	Marion
John Strange Elementary School	Marion
Nora Elementary School	Marion
Spring Mill Elementary School	Marion
Hilltop School	Marion
Fox Hill Elementary School	Marion

Eastwood Middle School	Marion
Northview Middle School	Marion
Westlane Middle School	Marion
J Everett Light Career Center	Marion
North Central High School	Marion
Ben Davis High School	Marion
Ben Davis Ninth Grade Center	Marion
Chapel Hill 7th & 8th Grade Center	Marion
Lynhurst 7th & 8th Grade Center	Marion
Maplewood Elementary School	Marion
Chapel Glen Elementary School	Marion
Garden City Elementary School	Marion
Area 31 Career & Tech Center	Marion
McClelland Elementary School	Marion
Rhoades Elementary School	Marion
Robey Elementary School	Marion
North Wayne Elementary School	Marion
Stout Field Elementary School	Marion
Sanders School	Marion
Westlake Elementary School	Marion
Chapelwood Elementary School	Marion
Achieve Virtual Education Academy	Marion
Bridgeport Elementary School	Marion
Ben Davis University High School	Marion
Pipe Creek Elementary School	Miami
Maconaquah High School	Miami
Maconaquah Middle School	Miami
Maconaquah Elementary School	Miami
Deputy Elementary School	Jefferson
Madison Consolidated High School	Jefferson
Madison Consolidated Jr High Sch	Jefferson
Rykers' Ridge Elementary School	Jefferson
Madison Early Childhood Center	Jefferson
Lydia Middleton Elementary School	Jefferson
Emery O Muncie Elementary School	Jefferson
Madison-Grant Jr./Sr. High School	Grant
Park Elementary School	Grant
Summitville School	Grant
Manchester Jr-Sr High School	Wabash

Manchester Elementary School	Wabash
Manchester Intermediate School	Wabash
Marion Academy	Marion
Tucker Area Voc Tech Center	Grant
Justice Thurgood Marshall Intrmd	Grant
Marion High School	Grant
John L McCulloch Junior High Sch	Grant
Allen Elementary School	Grant
Marion Early Childhood Ed Cntr	Grant
John W Kendall Elem School	Grant
Riverview Elementary School	Grant
Frances Slocum Elem School	Grant
Grant County Comm Justice Center	Grant
Matchbook Learning	Marion
Mays Community Academy	Rush
Medora Jr & Sr High School	Jackson
Medora Elementary School	Jackson
Merrillville High School	Lake
Pierce Middle School	Lake
Merrillville Intermediate School	Lake
Henry P Fieler Elementary School	Lake
Homer Iddings Elementary School	Lake
Edgar L Miller Elementary School	Lake
John Wood Elementary School	Lake
Jonas E Salk Elementary School	Lake
Coolspring Elementary School	La Porte
Springfield Elementary School	La Porte
Martin T Krueger Middle School	La Porte
Barker Middle School	La Porte
A K Smith Area Career Center	La Porte
Michigan City High School	La Porte
Edgewood Elementary School	La Porte
Lake Hills Elementary School	La Porte
Joy Elementary School	La Porte
Knapp Elementary School	La Porte
Niemann Elementary School	La Porte
Marsh Elementary School	La Porte
Pine Elementary School	La Porte
Jefferson Elementary School	Elkhart

Northridge Middle School	Elkhart
York Elementary School	Elkhart
Heritage Intermediate School	Elkhart
Middlebury Elementary School	Elkhart
Northridge High School	Elkhart
Orchard View School	Elkhart
Milan High School	Ripley
Milan Middle School	Ripley
Milan Elementary School	Ripley
Milan Intermediate School	Ripley
Mill Creek East Elementary	Hendricks
Mill Creek West Elementary	Hendricks
Cascade Middle School	Hendricks
Cascade Senior High School	Hendricks
Grant County Special Ed Coop	Grant
Mississinewa High School	Grant
R J Baskett Middle School	Grant
Westview Elementary School	Grant
Northview Elementary School	Grant
Burriss Elementary School	Lawrence
Hatfield Elementary School	Lawrence
Mitchell Jr High School	Lawrence
Mitchell High School	Lawrence
Monroe Central Jr-Sr High School	Randolph
Monroe Central Elementary School	Randolph
Unionville Elementary School	Monroe
Lakeview Elementary School	Monroe
Grandview Elementary School	Monroe
Highland Park Elementary School	Monroe
Summit Elementary School	Monroe
Bloomington High School South	Monroe
Bloomington High School North	Monroe
Tri-North Middle School	Monroe
Lora L Batchelor Middle School	Monroe
Binford Elementary School	Monroe
Arlington Heights Elementary Sch	Monroe
Childs Elementary School	Monroe
Clear Creek Elementary School	Monroe
Fairview Elementary School	Monroe

Hoosier Hills Career Center	Monroe
Hoosier Hills Childcare Center	Monroe
The Acad of Sci & Entrepreneurship	Monroe
Marlin Elementary School	Monroe
Rogers Elementary School	Monroe
Bloomington Graduation School	Monroe
Jackson Creek Middle School	Monroe
Templeton Elementary School	Monroe
University Elementary School	Monroe
Early Learning Center	Monroe
Monrovia Middle School	Morgan
Monrovia High School	Morgan
Monrovia Elementary School	Morgan
Mooresville High School	Morgan
Paul Hadley Middle School	Morgan
Neil Armstrong Elementary School	Morgan
Newby Memorial Elementary School	Morgan
North Madison Elementary School	Morgan
Northwood Elementary School	Morgan
Waverly Elementary School	Morgan
Fortville Elementary School	Hancock
Mt Vernon Middle School	Hancock
Mt Comfort Elementary School	Hancock
Mt Vernon Early Learning Academy	Hancock
Mt Vernon High School	Hancock
McCordsville Elementary School	Hancock
Muncie Central High School	Delaware
Muncie Area Career Center	Delaware
Northside Middle School	Delaware
Southside Middle School	Delaware
Grissom Elementary School	Delaware
South View Elementary School	Delaware
Longfellow Elementary School	Delaware
North View Elementary School	Delaware
East Washington Academy	Delaware
West View Elementary School	Delaware
Youth Opportunity Center	Delaware
Neighbors' New Vistas High School	Porter
Hagerstown Jr-Sr High School	Wayne

Hagerstown Elementary School	Wayne
New Albany Senior High School	Floyd
Georgetown Elementary School	Floyd
Floyd Central High School	Floyd
Highland Hills Middle School	Floyd
Hazelwood Middle School	Floyd
Nathaniel Scribner Middle School	Floyd
Slate Run Elementary School	Floyd
Fairmont Elementary School	Floyd
Greenville Elementary School	Floyd
Grant Line Elementary School	Floyd
Green Valley Elementary School	Floyd
Floyds Knobs Elementary School	Floyd
Mount Tabor Elementary School	Floyd
S Ellen Jones Elementary School	Floyd
Prosser Career Education Center	Floyd
CA Early Learning Center	Floyd
New Castle High School	Henry
New Castle Middle School	Henry
Eastwood Elementary School	Henry
New Castle Area Vocational Sch	Henry
Parker Elementary School	Henry
James Whitcomb Riley Elem School	Henry
Sunnyside Elementary School	Henry
Westwood Elementary School	Henry
Wilbur Wright Elementary School	Henry
Prairie View Elementary School	La Porte
New Prairie High School	La Porte
Rolling Prairie Elementary School	La Porte
New Prairie Middle School	La Porte
Olive Township Elementary School	La Porte
Indian Creek Elementary School	Johnson
Indian Creek Intermediate School	Johnson
Indian Creek Middle School	Johnson
Indian Creek Sr High School	Johnson
Noblesville High School	Hamilton
Noblesville East Middle School	Hamilton
Hinkle Creek Elementary School	Hamilton
North Elementary School	Hamilton

Stony Creek Elementary School	Hamilton
Noble Crossing Elementary School	Hamilton
Hazel Dell Elementary School	Hamilton
Promise Road Elementary	Hamilton
Noblesville West Middle School	Hamilton
Juvenile Services Center	Hamilton
White River Elementary School	Hamilton
Bellmont Senior High School	Adams
Bellmont Middle School	Adams
Bellmont Elementary	Adams
Rockville Elementary School	Parke
Turkey Run Elementary School	Parke
Parke Heritage Middle School	Parke
Parke Heritage High School	Parke
North Daviess Elementary School	Daviess
North Daviess Jr-Sr High School	Daviess
Princeton Comm Intermediate School	Gibson
Princeton Community Middle	Gibson
Princeton Community High School	Gibson
Princeton Comm Primary School	Gibson
Morgan Elementary School	Harrison
North Harrison Middle School	Harrison
North Harrison High School	Harrison
North Harrison Elementary School	Harrison
N Judson-San Pierre Jr Sr High Sch	Starke
North Judson-San Pierre Elem Sch	Starke
North Knox Primary School	Knox
North Knox Jr-Sr High School	Knox
North Knox Intermediate	Knox
Fayetteville Elementary School	Lawrence
Needmore Elementary School	Lawrence
Springville Elementary School	Lawrence
Heltonville Elementary School	Lawrence
Oolitic Middle School	Lawrence
Dollens Elementary School	Lawrence
Shawswick Elementary School	Lawrence
Shawswick Middle School	Lawrence
Bedford Middle School	Lawrence
Lincoln Elementary School	Lawrence

Bedford-North Lawrence High School	Lawrence
Parkview Primary School	Lawrence
Stalker Elementary School	Lawrence
North Lawrence Career Center	Lawrence
Parkview Intermediate School	Lawrence
North Miami Middle/High School	Miami
North Miami Elementary School	Miami
Pleasant Hill Elementary School	Montgomery
Lester B Sommer Elementary School	Montgomery
Northridge Middle School	Montgomery
Sugar Creek Elementary School	Montgomery
North Montgomery High School	Montgomery
Morocco Elementary School	Newton
Lake Village Elementary School	Newton
Lincoln Elementary School	Newton
North Newton Jr-Sr High School	Newton
Bainbridge Elementary School	Putnam
Roachdale Elementary School	Putnam
North Putnam Middle School	Putnam
North Putnam Sr High School	Putnam
Chrisney Elementary School	Spencer
David Turnham Education Center	Spencer
Nancy Hanks Elementary School	Spencer
Heritage Hills High School	Spencer
Heritage Hills Middle School	Spencer
Lincoln Trail Elementary School	Spencer
North Vermillion High School	Vermillion
North Vermillion Elementary School	Vermillion
Tri-West Middle School	Hendricks
Pittsboro Primary School	Hendricks
North Salem Elementary School	Hendricks
Pittsboro Elementary School	Hendricks
Tri-West Senior High School	Hendricks
North White Elementary School	White
North White Middle School	White
North White High School	White
Celestine Elementary School	Dubois
Northeast Dubois High School	Dubois
Dubois Middle School	Dubois

Dubois Elementary School	Dubois
Northeast Middle School	Sullivan
North Central High School	Sullivan
Northeast North Elementary School	Sullivan
Northeast East Elementary School	Sullivan
Northeastern High School	Wayne
Northeastern Elementary School	Wayne
Northeastern Middle School	Wayne
Ossian Elementary	Wells
Lancaster Central School	Wells
Norwell High School	Wells
Norwell Middle School	Wells
Arcola School	Allen
Maple Creek Middle School	Allen
Hickory Center Elementary School	Allen
Huntertown Elementary School	Allen
Carroll Middle School	Allen
Carroll High School	Allen
Perry Hill Elementary School	Allen
Oak View Elementary School	Allen
Cedar Canyon Elementary School	Allen
Eel River Elementary School	Allen
Allen Co Youth Services Center	Allen
Triton Central High School	Shelby
Triton Central Elementary School	Shelby
Triton Central Middle School	Shelby
Northwestern Senior High School	Howard
Northwestern Elementary School	Howard
Howard Elementary School	Howard
Northwestern Middle School	Howard
Oak Hill Junior High School	Miami
Swayzee Elementary School	Miami
Oak Hill High School	Miami
Converse Elementary School	Miami
Sweetser Elementary School	Miami
Options Charter School - Carmel	Hamilton
Options Charter School Noblesville	Hamilton
Oregon-Davis Elementary School	Starke
Oregon-Davis Jr-Sr High School	Starke

Orleans Jr-Sr High School	Orange
Orleans Elementary School	Orange
Otwell Miller Academy	Pike
Paoli Jr & Sr High School	Orange
Throop Elementary School	Orange
Paramount Brookside	Marion
Paramount Community Heights	Marion
Walt Disney Elementary School	St Joseph
Prairie Vista Elementary School	St Joseph
Mary Frank Harris Elementary Sch	St Joseph
Schmucker Middle School	St Joseph
Virgil I Grissom Middle School	St Joseph
Madison Elementary School	St Joseph
Penn High School	St Joseph
Elm Road Elementary School	St Joseph
Elsie Rogers Elementary School	St Joseph
Discovery Middle School	St Joseph
Moran Elementary School	St Joseph
Bittersweet Elementary School	St Joseph
Horizon Elementary School	St Joseph
Meadow's Edge Elementary School	St Joseph
Northpoint Elementary School	St Joseph
Perry Central Elementary School	Perry
Perry Central Jr-Sr High School	Perry
Perry Meridian High School	Marion
Southport High School	Marion
Southport 6th Grade Academy	Marion
Perry Meridian 6th Grade Academy	Marion
Southport Middle School	Marion
Perry Meridian Middle School	Marion
William Henry Burkhart Elementary	Marion
Mary Bryan Elementary School	Marion
Clinton Young Elementary School	Marion
Glenns Valley Elementary School	Marion
Abraham Lincoln Elementary School	Marion
Douglas MacArthur Elementary Sch	Marion
Homecroft Elementary School	Marion
Southport Elementary School	Marion
Winchester Village Elementary	Marion

Jeremiah Gray Elementary School	Marion
Rosa Parks Elementary School	Marion
Peru High School	Miami
Peru Junior High School	Miami
Blair Pointe Upper Elementary	Miami
Elmwood Primary Learning Center	Miami
Phalen Leadership Academy - IN Inc	Marion
Pike Central High School	Pike
Pike Central Middle School	Pike
Winslow Elementary School	Pike
Petersburg Elementary School	Pike
pilotED Schools Bethel Park	Marion
Pioneer Jr-Sr High School	Cass
Pioneer Elementary School	Cass
Clarks Creek Elementary	Hendricks
Plainfield High School	Hendricks
Plainfield Community Middle School	Hendricks
Central Elementary School	Hendricks
Little Quakers Academy	Hendricks
Van Buren Elementary School	Hendricks
Brentwood Elementary School	Hendricks
Menominee Elementary School	Marshall
Plymouth High School	Marshall
Lincoln Junior High School	Marshall
Riverside Intermediate	Marshall
Jefferson Elementary School	Marshall
Washington Discovery Academy	Marshall
Webster Elementary School	Marshall
Portage High School	Porter
Wallace Aylesworth Elementary	Porter
William Fegely Middle School	Porter
Crisman Elementary School	Porter
Central Elementary School	Porter
Ethel R Jones Elementary School	Porter
Willowcreek Middle School	Porter
Rowena Kyle Elementary School	Porter
Paul Saylor Elementary School	Porter
George L Myers Elementary School	Porter
South Haven Elementary School	Porter

Boone Grove Elementary School	Porter
Boone Grove High School	Porter
Boone Grove Middle School	Porter
Porter Lakes Elementary School	Porter
Prairie Heights Elementary School	LaGrange
Prairie Heights Middle School	LaGrange
Prairie Heights Sr High School	LaGrange
Purdue Polytechnic High School Ind	Marion
Winchester Community High School	Randolph
Lee L Driver Middle School	Randolph
O R Baker Elementary School	Randolph
Willard Elementary School	Randolph
Deerfield Elementary School	Randolph
Union City Community Jr/Sr High	Randolph
North Side Elementary School	Randolph
Randolph Southern Elementary Sch	Randolph
Randolph Southern Jr-Sr High Sch	Randolph
Renaissance Academy Charter School	La Porte
Rensselaer Central High School	Jasper
Van Rensselaer Elementary School	Jasper
Rensselaer Central Primary School	Jasper
Rensselaer Middle School	Jasper
Stinesville Elementary School	Monroe
Edgewood Early Childhood Center	Monroe
Edgewood High School	Monroe
Edgewood Junior High School	Monroe
Forest Hills Spec Educ Coop	Monroe
Edgewood Primary School	Monroe
Edgewood Intermediate School	Monroe
Richmond High School	Wayne
Test Intermediate School	Wayne
Dennis Intermediate School	Wayne
Charles Elementary School	Wayne
Crestdale Elementary School	Wayne
Fairview Elementary School	Wayne
Starr Elementary School	Wayne
Vaile Elementary School	Wayne
Westview Elementary School	Wayne
Community Youth Services	Wayne

Ohio County Elementary School	Ohio
Ohio County Middle School	Ohio
Rising Sun High School	Ohio
River Forest High School	Lake
Henry S Evans Elementary School	Lake
River Forest Middle School	Lake
John I Meister Elementary School	Lake
Riverside High School	Marion
Rochester Community High School	Fulton
Rochester Community Middle School	Fulton
Columbia Elementary School	Fulton
George M Riddle Elementary School	Fulton
Rock Creek Community Academy	Clark
Rossville Middle/Senior High Sch	Clinton
Rossville Elementary School	Clinton
Rural Community Academy	Sullivan
Milroy Elementary School	Rush
Arlington Elementary School	Rush
Rushville Elementary School East	Rush
Rushville Elementary School West	Rush
Rushville Consolidated High School	Rush
Benjamin Rush Middle School	Rush
Salem High School	Washington
Salem Middle School	Washington
Bradie Shrum Elementary	Washington
East Chicago Central High School	Lake
Carrie Gosch PK Center	Lake
Benjamin Harrison Elementary Sch	Lake
Abraham Lincoln Elementary School	Lake
William McKinley Elementary School	Lake
George Washington Elementary Sch	Lake
Joseph Block Middle School	Lake
George Rogers Clark Md/HS	Lake
Donald E Gavit Middle/High School	Lake
Hammond High School	Lake
Morton Senior High School	Lake
Area Career Center	Lake
Joseph Hess Elementary School	Lake
Henry W Eggers Middle School	Lake

Charles N Scott Middle School	Lake
Columbia Elementary School	Lake
Thomas A Edison Elementary School	Lake
Benjamin Franklin Elementary Sch	Lake
Warren G Harding Elementary School	Lake
Washington Irving Elementary Sch	Lake
Thomas Jefferson Elementary School	Lake
Kenwood Elementary School	Lake
Lafayette Elementary School	Lake
Abraham Lincoln Elementary School	Lake
Maywood Elementary School	Lake
Morton Elementary School	Lake
Lew Wallace Elementary School	Lake
Frank O'Bannon Elementary School	Lake
Hobart High School	Lake
Hobart Middle School	Lake
Early Learning Center-George Earle	Lake
Liberty Elementary School	Lake
Ridge View Elementary School	Lake
Joan Martin Elementary School	Lake
Fred J Hums Elementary School	St Joseph
Mishawaka High School	St Joseph
John J Young Middle School	St Joseph
Oaklawn Campus Program	St Joseph
Battell Elementary School	St Joseph
Beiger Elementary School	St Joseph
Liberty Elementary School	St Joseph
Emmons Elementary School	St Joseph
Lasalle Elementary School	St Joseph
Twin Branch Elementary School	St Joseph
Whiting High School	Lake
Whiting Middle School	Lake
Nathan Hale Elementary School	Lake
Highland High School	Lake
Highland Middle School	Lake
Judith Morton Johnston Elementary	Lake
Mildred Merkley Elementary School	Lake
Southridge Elementary School	Lake
Allen J Warren Elementary School	Lake

Munster High School	Lake
Wilbur Wright Middle School	Lake
James B Eads Elementary School	Lake
Ernest R Elliott Elementary School	Lake
Frank H Hammond Elementary School	Lake
Speedway Junior High School	Marion
Speedway Senior High School	Marion
James A Allison Elementary Sch 3	Marion
Carl G Fisher Elementary School 1	Marion
Arthur C Newby Elementary School 2	Marion
Frank H Wheeler Elementary Sch 4	Marion
Austin High School	Scott
Austin Elementary School	Scott
Austin Middle School	Scott
Johnson Elementary School	Scott
Lexington Elementary School	Scott
Scottsburg Senior High School	Scott
Scottsburg Middle School	Scott
Scottsburg Elem School	Scott
Vienna-Finley Elementary School	Scott
SE Neighborhood Sch of Excellence	Marion
Seven Oaks Classical School	Monroe
Cortland Elementary School	Jackson
Seymour Senior High School	Jackson
Margaret R Brown Elementary School	Jackson
Seymour Middle School	Jackson
Emerson Elementary School	Jackson
Seymour-Jackson Elementary School	Jackson
Seymour-Redding Elementary School	Jackson
Morristown Jr-Sr High School	Shelby
Morristown Elementary School	Shelby
Waldron Jr-Sr High School	Shelby
Waldron Elementary School	Shelby
Especially Kidz Health & Rehab Cnt	Shelby
Shelbyville Sr High School	Shelby
Shelbyville Middle School	Shelby
Coulston Elementary School	Shelby
Thomas A Hendricks Elementary Sch	Shelby
William F Loper Elementary School	Shelby

Shenandoah Elementary School	Henry
Shenandoah High School	Henry
Shenandoah Middle School	Henry
Sheridan High School	Hamilton
Sheridan Elementary School	Hamilton
Sheridan Middle School	Hamilton
Shoals Community High School	Martin
Shoals Community Elementary School	Martin
Shoals Middle School	Martin
Signature School Inc	Vanderburgh
Smith Academy for Excellence	Allen
Churubusco Jr-Sr High School	Whitley
Churubusco Elementary School	Whitley
South Adams Middle School	Adams
South Adams High School	Adams
South Adams Elementary School	Adams
Hay Elementary School	St Joseph
Warren Elementary School	St Joseph
Clay High School	St Joseph
Clay International Academy	St Joseph
Darden Elementary School	St Joseph
Swanson Traditional School	St Joseph
Adams High School	St Joseph
Jackson Middle School	St Joseph
LaSalle Academy	St Joseph
Riley High School	St Joseph
Washington High School	St Joseph
Coquillard Elementary School	St Joseph
Rise Up Academy at Eggleston	St Joseph
Edison Middle School	St Joseph
Harrison Elementary School	St Joseph
Hamilton Traditional School	St Joseph
Jefferson Traditional School	St Joseph
Kennedy Academy	St Joseph
Lafayette Early Childhood Center	St Joseph
Dickinson Fine Arts Academy	St Joseph
Lincoln Elementary School	St Joseph
McKinley Elementary School	St Joseph
Madison S.T.E.A.M. Academy	St Joseph

Marquette Montessori Academy	St Joseph
Monroe Elementary School	St Joseph
Wilson Elementary School	St Joseph
Muessel Elementary School	St Joseph
Navarre Middle School	St Joseph
Nuner Fine Arts Academy	St Joseph
South Bend SNAP	St Joseph
Studebaker Center	St Joseph
Tarkington Elementary School	St Joseph
Juvenile Justice Center	St Joseph
South Central Elementary School	La Porte
South Central Jr-Sr High School	La Porte
Dillsboro Elementary School	Dearborn
Manchester Elementary School	Dearborn
Moore's Hill Elementary School	Dearborn
South Dearborn Middle School	Dearborn
South Dearborn High School	Dearborn
Aurora Elementary School	Dearborn
Haubstadt Community School	Gibson
Gibson Southern High School	Gibson
Fort Branch Community School	Gibson
Owensville Community School	Gibson
Harrison County Spec Ed Coop	Harrison
Corydon Central High School	Harrison
Corydon Central Jr High School	Harrison
Corydon Elementary School	Harrison
New Middletown Elementary School	Harrison
Heth-Washington Elementary School	Harrison
Corydon Intermediate School	Harrison
South Central Elementary	Harrison
South Central Jr & Sr High School	Harrison
Tri Junior-Senior High School	Henry
Tri-Elementary School	Henry
South Knox Elementary School	Knox
South Knox Middle-High School	Knox
East Elementary School	Madison
Pendleton Heights High School	Madison
Pendleton Heights Middle School	Madison
Pendleton Elementary School	Madison

Maple Ridge Elementary School	Madison
Ladoga Elementary School	Montgomery
Southmont Sr High School	Montgomery
Walnut Elementary School	Montgomery
Southmont Jr High School	Montgomery
New Market Elementary School	Montgomery
South Newton Senior High School	Newton
South Newton Elementary School	Newton
South Newton Middle School	Newton
Central Elementary School	Putnam
South Putnam Middle School	Putnam
Fillmore Elementary School	Putnam
South Putnam High School	Putnam
South Ripley Junior High School	Ripley
South Ripley Elementary School	Ripley
South Ripley High School	Ripley
Luce Elementary School	Spencer
South Spencer High School	Spencer
South Spencer Middle School	Spencer
Rockport-Ohio Elementary School	Spencer
Central Elementary School	Vermillion
Ernie Pyle Elementary School	Vermillion
South Vermillion High School	Vermillion
South Vermillion Middle School	Vermillion
Van Duyn Elementary School	Vermillion
Pine Ridge Elementary School	Dubois
Ferdinand Elementary School	Dubois
Forest Park Jr-Sr High School	Dubois
Cedar Crest Intermediate School	Dubois
Southeast Fountain Elementary	Fountain
Fountain Central High School	Fountain
New Palestine Intermediate School	Hancock
Brandywine Elementary School	Hancock
New Palestine Elementary School	Hancock
New Palestine High School	Hancock
New Palestine Jr High School	Hancock
Sugar Creek Elementary Sch	Hancock
Southern Wells Elementary School	Wells
Southern Wells Jr-Sr High School	Wells

Holland Elementary School	Dubois
Southridge Middle School	Dubois
Southridge High School	Dubois
Huntingburg Elementary School	Dubois
Rosedale Elementary School	Parke
Riverton Parke Jr-Sr High School	Parke
Montezuma Elementary School	Parke
Carlisle Elementary School	Sullivan
Carlisle Middle School	Sullivan
Sullivan High School	Sullivan
Sullivan Middle School	Sullivan
Sullivan Elementary School	Sullivan
Southwestern High School	Shelby
Southwestern Elementary School	Shelby
Southwestern High School	Jefferson
Southwestern Elementary School	Jefferson
Southwestern Middle School	Jefferson
Owen Valley Middle School	Owen
Patricksburg Elementary School	Owen
Gosport Elementary School	Owen
Owen Valley Community High School	Owen
Spencer Elementary School	Owen
McCormick's Creek Elementary Sch	Owen
Springs Valley Comm High School	Orange
Springs Valley Elementary School	Orange
Steel City Academy	Lake
Success Academy Primary School	St Joseph
North Dearborn Elementary School	Dearborn
Sunman-Dearborn Middle School	Dearborn
Bright Elementary School	Dearborn
Sunman Elementary School	Dearborn
East Central High School	Dearborn
Jefferson-Craig Elementary School	Switzerland
Switzerland Co Middle School	Switzerland
Switzerland Co Senior High School	Switzerland
Switzerland Co Elementary School	Switzerland
Taylor High School	Howard
Taylor Elementary School	Howard
Taylor Middle School	Howard

Tell City Jr-Sr High School	Perry
William Tell Elementary School	Perry
The Bloomington Project School	Monroe
Thea Bowman Leadership Academy	Lake
Thurgood Marshall Leadership Acad	Allen
Timothy L Johnson Academy	Allen
Timothy L. Johnson Academy Middle	Allen
Tindley Collegiate Academy	Marion
Tindley Genesis Academy	Marion
Tindley Renaissance Academy	Marion
Tindley Summit Academy	Marion
McCutcheon High School	Tippecanoe
Mayflower Mill Elementary School	Tippecanoe
Wyandotte Elementary	Tippecanoe
Hershey Elementary School	Tippecanoe
Mintonye Elementary School	Tippecanoe
Dayton Elementary School	Tippecanoe
Burnett Creek Elementary School	Tippecanoe
Wea Ridge Elementary School	Tippecanoe
Battle Ground Elementary School	Tippecanoe
Battle Ground Middle School	Tippecanoe
Wainwright Middle School	Tippecanoe
William Henry Harrison High School	Tippecanoe
East Tipp Middle School	Tippecanoe
James Cole Elementary School	Tippecanoe
Klondike Middle School	Tippecanoe
Klondike Elementary School	Tippecanoe
Southwestern Middle School	Tippecanoe
Wea Ridge Middle School	Tippecanoe
Woodland Elementary School	Tippecanoe
Akron Elementary School	Kosciusko
Tippecanoe Valley High School	Kosciusko
Mentone Elementary School	Kosciusko
Tippecanoe Valley Middle School	Kosciusko
Tipton Elementary School	Tipton
Tipton Middle School	Tipton
Tipton High School	Tipton
Tri Central Elementary	Tipton
Tri Central Middle-High School	Tipton

Tri-County Primary School	White
Tri-County Jr/Sr High School	White
Tri-County Intermediate School	White
Oak Hill Elementary School	Lake
Lake Prairie Elementary School	Lake
Three Creeks Elem School	Lake
Lowell Middle School	Lake
Lowell Senior High School	Lake
Triton Elementary School	Marshall
Triton Jr-Sr High School	Marshall
LaCrosse School	La Porte
Wanatah School	La Porte
Eastlawn Elementary School	White
Twin Lakes Senior High School	White
Roosevelt Middle School	White
Oaklawn Elementary School	White
Meadowlawn Elementary School	White
Union County High School	Union
Union County Middle School	Union
Liberty Elementary School	Union
College Corner Union Elem School	Union
Union Elementary School	Randolph
Union Junior & High School	Randolph
Indiana Digital Elementary	Randolph
Indiana Digital JR and High School	Randolph
Wheeler High School	Porter
Union Township Middle School	Porter
Union Center Elementary School	Porter
John Simatovich Elementary School	Porter
LaVille Jr-Sr High School	St Joseph
LaVille Elementary School	St Joseph
Urban ACT Academy	Marion
Valparaiso High School	Porter
Benjamin Franklin Middle School	Porter
Thomas Jefferson Middle School	Porter
Thomas Jefferson Elementary School	Porter
Central Elementary School	Porter
Flint Lake Elementary School	Porter
Cooks Corners Elementary School	Porter

Heavilin Elementary School	Porter
Memorial Elementary School	Porter
Northview Elementary School	Porter
Parkview Elementary School	Porter
Porter County Career Center	Porter
Vanguard Collegiate of Indy	Marion
Terre Haute North Vigo High School	Vigo
Honey Creek Middle School	Vigo
West Vigo High School	Vigo
Terre Haute South Vigo High School	Vigo
West Vigo Middle School	Vigo
Otter Creek Middle School	Vigo
Sarah Scott Middle School	Vigo
Woodrow Wilson Middle School	Vigo
Sugar Creek Consolidated Elem Sch	Vigo
Davis Park Elementary School	Vigo
Deming Elementary School	Vigo
Adelaide De Vaney Elementary Sch	Vigo
Dixie Bee Elementary School	Vigo
Farrington Grove Elementary School	Vigo
Fayette Elementary School	Vigo
Rio Grande Elementary School	Vigo
Benjamin Franklin Elem School	Vigo
Blanche E Fuqua Elementary School	Vigo
Hoosier Prairie Elementary School	Vigo
Lost Creek Elementary School	Vigo
Meadows Elementary School	Vigo
Ouabache Elementary School	Vigo
Riley Elementary School	Vigo
Sugar Grove Elementary School	Vigo
Terre Town Elementary School	Vigo
West Vigo Elementary School	Vigo
Booker T Washington Alt Sch	Vigo
McLean Education Center (Alt)	Vigo
Benjamin Franklin Elementary Sch	Knox
Lincoln High School	Knox
George Rogers Clark School	Knox
James Whitcomb Riley Elem Sch	Knox
Tecumseh-Harrison Elementary Sch	Knox

Francis Vigo Elementary School	Knox
Vision Academy	Marion
Wabash High School	Wabash
Wabash Middle School	Wabash
O J Neighbours Elementary School	Wabash
North Wood Middle School	Elkhart
Wakarusa Elementary School	Elkhart
North Wood High School	Elkhart
Nappanee Elementary School	Elkhart
Woodview Elementary School	Elkhart
Castle South Middle School	Warrick
Yankeetown Elementary School	Warrick
John H Castle Elementary School	Warrick
Elberfeld Elementary School	Warrick
Tecumseh Middle School	Warrick
Tecumseh High School	Warrick
Lynnville Elementary School	Warrick
Castle North Middle School	Warrick
Loge Elementary School	Warrick
Warrick County Preschool	Warrick
Tennyson Elementary School	Warrick
Boonville High School	Warrick
Boonville Middle School	Warrick
Oakdale Elementary School	Warrick
Castle High School	Warrick
Chandler Elementary School	Warrick
Newburgh Elementary School	Warrick
Sharon Elementary School	Warrick
Claypool Elementary School	Kosciusko
Lakeview Middle School	Kosciusko
Eisenhower Elementary School	Kosciusko
Harrison Elementary School	Kosciusko
Leesburg Elementary School	Kosciusko
Warsaw Community High School	Kosciusko
Edgewood Middle School	Kosciusko
Jefferson Elementary School	Kosciusko
Lincoln Elementary School	Kosciusko
Madison Elementary School	Kosciusko
Washington Elementary School	Kosciusko

Lena Dunn Elementary School	Daviess
Veale Elementary School	Daviess
Washington Junior High School	Daviess
Washington High School	Daviess
North Elementary School	Daviess
Helen Griffith Elementary School	Daviess
North Webster Elementary School	Kosciusko
Wawasee Middle School	Kosciusko
Milford School	Kosciusko
Syracuse Elementary School	Kosciusko
Wawasee High School	Kosciusko
Wes-Del Middle/Senior High School	Delaware
Wes-Del Preschool	Delaware
Wes-Del Elementary School	Delaware
West Central Senior High School	Pulaski
West Central Elementary School	Pulaski
West Central Middle School	Pulaski
Henryville Jr & Sr High School	Clark
Henryville Elementary School	Clark
Silver Creek High School	Clark
Silver Creek Middle School	Clark
Silver Creek Elementary School	Clark
William W Borden High School	Clark
William W Borden Elementary School	Clark
Silver Creek Primary School	Clark
West Lafayette Jr/Sr High School	Tippecanoe
West Lafayette Intermediate School	Tippecanoe
Cumberland Elementary School	Tippecanoe
West Noble High School	Noble
West Noble Primary School	Noble
West Noble Middle School	Noble
West Noble Elementary School	Noble
West Washington Jr-Sr High School	Washington
West Washington Elementary School	Washington
Granville Wells Elementary School	Boone
Thorntown Elementary School	Boone
Western Boone Jr-Sr High School	Boone
Western High School	Howard
Western Middle School	Howard

Western Intermediate School	Howard
Western Primary School	Howard
Lincoln Sr High School	Wayne
Lincoln Middle School	Wayne
Western Wayne Elementary School	Wayne
Westfield Middle School	Hamilton
Shamrock Springs Elementary School	Hamilton
Westfield High School	Hamilton
Carey Ridge Elementary School	Hamilton
Washington Woods Elementary School	Hamilton
Oak Trace Elementary School	Hamilton
Monon Trail Elementary School	Hamilton
Westfield Intermediate School	Hamilton
Maple Glen Elementary	Hamilton
Westview Jr-Sr High School	LaGrange
Topeka Elementary School	LaGrange
Westview Elementary School	LaGrange
Meadowview Elementary School	LaGrange
Shipshewana-Scott Elementary Sch	LaGrange
White River Valley High School	Greene
White River Valley Middle School	Greene
White River Valley Elementary Sch	Greene
Pierceton Elementary School	Whitley
South Whitley Elementary School	Whitley
Whitko Jr/Sr High School	Whitley
Little Turtle Elementary School	Whitley
Coesse School	Whitley
Indian Springs Middle School	Whitley
Northern Heights Elementary School	Whitley
Columbia City High School	Whitley
Mary Raber Elementary School	Whitley
Xavier School of Excellence	St Joseph
Yorktown Middle School	Delaware
Yorktown High School	Delaware
Yorktown Elementary School	Delaware
Pleasant View Elementary School	Delaware
Zionsville West Middle School	Boone
Zionsville Middle School	Boone
Zionsville Community High School	Boone

Eagle Elementary School	Boone
Zionsville Pleasant View Elem Sch	Boone
Union Elementary School	Boone
Stonegate Elementary	Boone
Boone Meadow	Boone

APPENDIX D. SIMULATION MODEL

D.1 Data Tables

Table D.1 Simulation Data Table – Weather Events and Pavement Temperature

Index	# Weather Event	Pavement Temperature Range and Trend
1	Light Snow Storm	Above 32°
2	Light Snow Storm	20 to 32°
3	Light Snow Storm	15 to 20°
4	Light Snow Storm	Below 15°
5	Light Snow Storm with Periods of Moderate or Heavy Snow	Above 32°
6	Light Snow Storm with Periods of Moderate or Heavy Snow	25 to 32°
7	Light Snow Storm with Periods of Moderate or Heavy Snow	15 to 25°
8	Light Snow Storm with Periods of Moderate or Heavy Snow	Below 15°
9	Moderate or Heavy Snow Storm	Above 32°
10	Moderate or Heavy Snow Storm	30 to 32°
11	Moderate or Heavy Snow Storm	25 to 30°
12	Moderate or Heavy Snow Storm	15 to 25°
13	Moderate or Heavy Snow Storm	Below 15°
14	Frost or Black Ice	Above 32°
15	Frost or Black Ice	28 to 32°
16	Frost or Black Ice	20 to 28°
17	Frost or Black Ice	15 to 20°
18	Frost or Black Ice	Below 15°
19	Freezing Rain Storm	Above 32°
20	Freezing Rain Storm	28 to 32°
21	Freezing Rain Storm	20 to 28°
22	Freezing Rain Storm	15 to 20°
23	Freezing Rain Storm	Below 15°
24	Sleet Storm	Above 32°
25	Sleet Storm	28 to 32°
26	Sleet Storm	15 to 28°
27	Sleet Storm	Below 15°

Table D.2 Simulation Data Table – Salt Spread Rate and Speed

Index	Initial Operation		Subsequent Operation		Average Speed
	Maintenance Required?	Salt Spread Rate (lb/LM)	Maintenance Required?	Salt Spread Rate (lb/LM)	
1	0	0	0	0	25
2	1	100	2	100	22.5
3	1	200	2	200	20
4	2	250	2	250	18.75
5	0	0	0	0	25
6	1	100	2	200	21.25
7	1	200	2	250	19.375
8	2	250	2	250	18.75
9	0	0	0	0	25
10	1	100	2	100	22.5
11	1	200	2	200	20
12	1	200	2	250	19.375
13	2	250	2	250	18.75
14	0	0	0	0	25
15	1	65	1	65	23.375
16	1	130	1	130	21.75
17	1	200	1	200	20
18	1	250	1	250	18.75
19	0	0	0	0	25
20	1	65	1	65	23.375
21	1	130	1	130	21.75
22	1	200	1	200	20
23	1	250	1	250	18.75
24	1	125	2	125	21.875
25	1	325	2	325	16.875
26	1	400	2	400	15
27	2	400	2	400	15

Table D.3 Simulation Results – Class I

Index	C1	C1	C1	C1	C1	C1	C1	C1
	Lead Time Avg [h]	Lead Time SD [h]	Service Time Avg [h]	Service Time SD [h]	Deadhead time Avg [h]	Deadhead time SD [h]	Wait Time Avg [h]	Wait Time SD [h]
1	0.83	0.00	0.00	0.00	0.00	0.00	0.83	0.00
2	6.88	0.05	3.55	0.38	0.50	0.43	2.83	0.00
3	7.28	0.06	3.91	0.41	0.54	0.47	2.83	0.00
4	8.25	0.40	4.11	0.43	0.59	0.50	3.55	0.39
5	0.83	0.00	0.00	0.00	0.00	0.00	0.83	0.00
6	7.07	0.06	3.72	0.39	0.52	0.45	2.83	0.00
7	7.40	0.06	4.00	0.42	0.57	0.48	2.83	0.00
8	8.25	0.40	4.11	0.43	0.59	0.50	3.55	0.39
9	0.83	0.00	0.00	0.00	0.00	0.00	0.83	0.00
10	6.88	0.05	3.55	0.38	0.50	0.43	2.83	0.00
11	7.28	0.06	3.91	0.41	0.54	0.47	2.83	0.00
12	7.40	0.06	4.00	0.42	0.57	0.48	2.83	0.00
13	8.25	0.40	4.11	0.43	0.59	0.50	3.55	0.39
14	0.83	0.00	0.00	0.00	0.00	0.00	0.83	0.00
15	5.22	0.03	1.72	0.18	0.25	0.21	3.25	0.00
16	5.33	0.03	1.83	0.19	0.25	0.22	3.25	0.00
17	5.48	0.03	1.95	0.21	0.27	0.24	3.25	0.00
18	5.60	0.03	2.06	0.22	0.29	0.25	3.25	0.00
19	0.83	0.00	0.00	0.00	0.00	0.00	0.83	0.00
20	5.22	0.03	1.72	0.18	0.25	0.21	3.25	0.00
21	5.33	0.03	1.83	0.19	0.25	0.22	3.25	0.00
22	5.48	0.03	1.95	0.21	0.27	0.24	3.25	0.00
23	5.60	0.03	2.06	0.22	0.29	0.25	3.25	0.00
24	6.97	0.05	3.64	0.38	0.51	0.44	2.83	0.00
25	7.96	0.07	4.48	0.47	0.64	0.54	2.83	0.00
26	8.49	0.08	4.95	0.52	0.71	0.60	2.83	0.00
27	9.45	0.76	4.97	0.52	0.68	0.60	3.80	0.78

Table D.4 Simulation Results – Class II

Index	C2	C2	C2	C2	C2	C2	C2	C2
	Lead Time Avg [h]	Lead Time SD [h]	Service Time Avg [h]	Service Time SD [h]	Deadhead time Avg [h]	Deadhead time SD [h]	Wait Time Avg [h]	Wait Time SD [h]
1	0.83	0.00	0.00	0.00	0.00	0.00	0.83	0.00
2	6.76	0.48	3.63	0.50	0.30	0.02	2.83	0.00
3	7.15	0.54	3.99	0.56	0.33	0.03	2.83	0.00
4	8.66	0.98	4.19	0.59	0.35	0.03	4.12	0.82
5	0.83	0.00	0.00	0.00	0.00	0.00	0.83	0.00
6	6.94	0.51	3.80	0.52	0.31	0.03	2.83	0.00
7	7.26	0.55	4.09	0.57	0.34	0.03	2.83	0.00
8	8.66	0.98	4.19	0.59	0.35	0.03	4.12	0.82
9	0.83	0.00	0.00	0.00	0.00	0.00	0.83	0.00
10	6.76	0.48	3.63	0.50	0.30	0.02	2.83	0.00
11	7.15	0.54	3.99	0.56	0.33	0.03	2.83	0.00
12	7.26	0.55	4.09	0.57	0.34	0.03	2.83	0.00
13	8.66	0.98	4.19	0.59	0.35	0.03	4.12	0.82
14	0.83	0.00	0.00	0.00	0.00	0.00	0.83	0.00
15	5.17	0.24	1.78	0.25	0.15	0.01	3.25	0.00
16	5.28	0.25	1.88	0.26	0.15	0.01	3.25	0.00
17	5.41	0.27	1.99	0.28	0.17	0.01	3.25	0.00
18	5.52	0.29	2.10	0.30	0.17	0.01	3.25	0.00
19	0.83	0.00	0.00	0.00	0.00	0.00	0.83	0.00
20	5.17	0.24	1.78	0.25	0.15	0.01	3.25	0.00
21	5.28	0.25	1.88	0.26	0.15	0.01	3.25	0.00
22	5.41	0.27	1.99	0.28	0.17	0.01	3.25	0.00
23	5.52	0.29	2.10	0.30	0.17	0.01	3.25	0.00
24	6.85	0.49	3.71	0.51	0.31	0.03	2.83	0.00
25	7.79	0.64	4.58	0.66	0.38	0.03	2.83	0.00
26	8.31	0.72	5.06	0.74	0.42	0.03	2.83	0.00
27	10.00	1.12	5.11	0.75	0.42	0.03	4.47	1.10

Table D.5 Simulation Results – Class III

Index	C3	C3	C3	C3	C3	C3	C3	C3
	Lead Time Avg [h]	Lead Time SD [h]	Service Time Avg [h]	Service Time SD [h]	Deadhead time Avg [h]	Deadhead time SD [h]	Wait Time Avg [h]	Wait Time SD [h]
1	0.83	0.00	0.00	0.00	0.00	0.00	0.83	0.00
2	6.80	1.33	2.86	1.03	1.10	0.51	2.83	0.00
3	7.19	1.50	3.14	1.15	1.21	0.57	2.83	0.00
4	14.14	7.47	3.91	1.64	1.60	0.80	8.63	6.17
5	0.83	0.00	0.00	0.00	0.00	0.00	0.83	0.00
6	6.98	1.41	3.00	1.08	1.15	0.54	2.83	0.00
7	7.30	1.55	3.23	1.19	1.24	0.59	2.83	0.00
8	14.14	7.47	3.91	1.64	1.60	0.80	8.63	6.17
9	0.83	0.00	0.00	0.00	0.00	0.00	0.83	0.00
10	6.80	1.33	2.86	1.03	1.10	0.51	2.83	0.00
11	7.19	1.50	3.14	1.15	1.21	0.57	2.83	0.00
12	7.30	1.55	3.23	1.19	1.24	0.59	2.83	0.00
13	14.14	7.47	3.91	1.64	1.60	0.80	8.63	6.17
14	0.83	0.00	0.00	0.00	0.00	0.00	0.83	0.00
15	5.19	0.63	1.40	0.49	0.54	0.24	3.25	0.00
16	5.31	0.68	1.49	0.52	0.57	0.26	3.25	0.00
17	5.45	0.74	1.59	0.57	0.61	0.28	3.25	0.00
18	5.57	0.79	1.68	0.61	0.64	0.30	3.25	0.00
19	0.83	0.00	0.00	0.00	0.00	0.00	0.83	0.00
20	5.19	0.63	1.40	0.49	0.54	0.24	3.25	0.00
21	5.31	0.68	1.49	0.52	0.57	0.26	3.25	0.00
22	5.45	0.74	1.59	0.57	0.61	0.28	3.25	0.00
23	5.57	0.79	1.68	0.61	0.64	0.30	3.25	0.00
24	6.89	1.37	2.93	1.05	1.13	0.52	2.83	0.00
25	7.84	1.78	3.62	1.36	1.39	0.67	2.83	0.00
26	8.39	1.95	3.99	1.53	1.54	0.74	2.86	0.09
27	22.99	12.10	6.74	3.05	2.44	0.97	13.81	8.70

D.2 Simulation Model–Code

RecordEdits

```
Define ExpressionThreshold { ReqGenRegulator }
Define FileToMatrix { RunInputs }
Define InputValue { ServiceSpeed WeatherEvent }
Define ValueSequence { C1RouteNo C2RouteNo C3RouteNo }
Define Assign { Assign_Req_Properties C1_Route_Assign C2_Route_Assign
C3_Route_Assign Reassign_Priority Rassign_Cur_op Route1_end_assign
Route2_5_end_assign Route2_end_assign }
Define Branch { B1_R1 B1_R4 B1_R5 B1_R8 B2_R1 B2_R4 B2_R8 Router_End
Router_Start Stat_Analysis_Branch }
Define EntityConveyor { 61-2-1a 61-2-1b 61-2-1c 61-2-1d 61-2-1e 61-2-1f 61-2-1g 61-2-1h
61-2-2a 61-2-2b 61-2-2c 61-2-2d 61-2-3a 61-2-3b 61-2-3c 61-2-3d 61-2-3e 61-2-3f 61-2-
3g 61-2-3h 61-2-3i 61-2-3j 61-2-3k 61-2-3l 61-2-3m 61-2-3n 61-2-3o 61-2-3p 61-2-3q
61-2-3r 61-2-4a 61-2-4b 61-2-5a 61-2-5b 61-2-5c 61-2-5d 61-2-5e 61-2-5f
61-2-6a 61-2-6b 61-2-6c 61-2-6d 61-2-6e 61-2-6f 61-2-6g 61-2-6h 61-2-8a 61-2-8b 61-2-
8c 61-2-8d 61-2-8e 61-2-8f 61-2-8g 61-2-8h 61-2-8i 61-2-8j Assign_to_Allocate
Class_Graphic_to_Assign Exit_router Feedback_to_sub_op1a Feedback_to_sub_op1b
Feedback_to_sub_op2 Feedback_to_sub_op3 Reassign_Byepass Stat_to_Sink
Truck_Graphic_to_Router }
Define EntityGenerator { ClassIII_SerReqGen ClassII_SerReqGen ClassI_SerReqGen }
Define EntitySink { RequestComplete }
Define Queue { Resource_Queue }
Define Release { Release_Resource }
Define Seize { Allocate_Resource }
Define SetGraphics { Reset_Graphic Set_Class_Graphic Set_Truck_Graphic }
Define SimEntity { ServiceReq }
Define Statistics { C1_DeadheadTime C1_LeadTime C1_ServiceTime C1_WaitTime
C2_DeadheadTime C2_LeadTime C2_ServiceTime C2_WaitTime C3_DeadheadTime
C3_LeadTime C3_ServiceTime C3_WaitTime }
Define Resource { PlowTruck SaltTruck }
Define ColladaModel { Axis Grid100x100 }
Define ImageModel { Crane_Unit_Map-model Crane_Unit_Map1-model
Crane_Unit_Map_Edit2-model truck-4-model truck-model }
Define DisplayEntity { Crane_Unit_Map1 XY-Grid XYZ-Axis }
Define EntityLabel { 61-2-1a_Label 61-2-1b_Label 61-2-1c_Label 61-2-1d_Label 61-2-
1e_Label 61-2-1f_Label 61-2-1g_Label 61-2-1h_Label 61-2-2a_Label 61-2-2b_Label 61-2-
2c_Label 61-2-2d_Label 61-2-3a_Label 61-2-3b_Label 61-2-3c_Label 61-2-3d_Label 61-2-
3e_Label 61-2-3f_Label 61-2-3g_Label 61-2-3h_Label 61-2-3i_Label 61-2-3j_Label 61-2-
3k_Label 61-2-3l_Label 61-2-3m_Label 61-2-3n_Label 61-2-3o_Label 61-2-3p_Label 61-2-3q_Label
61-2-3r_Label 61-2-4a_Label 61-2-4b_Label 61-2-
5a_Label 61-2-5b_Label 61-2-5c_Label 61-2-5d_Label 61-2-5e_Label 61-2-5f_Label 61-2-
6a_Label 61-2-6b_Label 61-2-6c_Label 61-2-6d_Label 61-2-6e_Label 61-2-6f_Label 61-2-
6g_Label 61-2-6h_Label 61-2-8a_Label 61-2-8b_Label 61-2-8c_Label 61-2-8d_Label 61-2-
8e_Label 61-2-8f_Label 61-2-8g_Label 61-2-8h_Label 61-2-8i_Label 61-2-8j_Label
```

```

Allocate_Resource_Label      Assign_Req_Properties_Label      Assign_to_Allocate_Label
B1_R1_Label  B1_R4_Label  B1_R5_Label  B1_R8_Label  B2_R1_Label  B2_R4_Label
B2_R8_Label  C1RouteNo_Label  C1_DeadheadTime_Label  C1_LeadTime_Label
C1_Route_Assign_Label  C1_ServiceTime_Label  C1_WaitTime_Label  C2RouteNo_Label
C2_DeadheadTime_Label      C2_LeadTime_Label      C2_Route_Assign_Label
C2_ServiceTime_Label  C3RouteNo_Label  C3_LeadTime_Label  C3_Route_Assign_Label
ClassIII_SerReqGen_Label      ClassII_SerReqGen_Label      ClassI_SerReqGen_Label
Class_Graphic_to_Assign_Label      Crane_Unit_Map1_Label      Exit_router_Label
Feedback_to_sub_op1a_Label  Feedback_to_sub_op1b_Label  Feedback_to_sub_op2_Label
Feedback_to_sub_op3_Label  MimicEntity2_Label  MimicEntity3_Label  MimicEntity4_Label
MimicEntity5_Label  MimicEntity6_Label  PlowTruck_Label  Reassign_Byepass_Label
Reassign_Priority_Label      Release_Resource_Label      ReqGenRegulator_Label
RequestComplete_Label  Reset_Graphic_Label  Resource_Queue_Label  Resign_Cur_op_Label
Route1_end_assign_Label      Route2_5_end_assign_Label      Route2_end_assign_Label
Router_End_Label  Router_Start_Label  RunInputs_Label  SaltTruck_Label  ServiceReq_Label
Set_Class_Graphic_Label      Set_Truck_Graphic_Label      Stat_Analysis_Branch_Label
Stat_to_Sink_Label  Truck_Graphic_to_Router_Label }
Define MimicEntity { MimicEntity2 MimicEntity3 MimicEntity4 MimicEntity5 MimicEntity6
}
Define OverlayClock { Clock }
Define OverlayText { Title }
Define Text { Text1 Text2 Text3 Text4 Text5 Text6 Text7 }
Define View { View1 }

RunInputs CustomOutputList { { data 0 } { WeatherEvent 0 } { TempRange 0 } { pre_op 0 } {
pre_salt 0 } { sub_op 0 } { sub_salt 0 } }

ServiceSpeed UnitType { SpeedUnit }
WeatherEvent UnitType { DimensionlessUnit }
C1RouteNo UnitType { DimensionlessUnit }
C2RouteNo UnitType { DimensionlessUnit }
C3RouteNo UnitType { DimensionlessUnit }
C1_DeadheadTime UnitType { TimeUnit }
C1_LeadTime UnitType { TimeUnit }
C1_ServiceTime UnitType { TimeUnit }
C1_WaitTime UnitType { TimeUnit }
C2_DeadheadTime UnitType { TimeUnit }
C2_LeadTime UnitType { TimeUnit }
C2_ServiceTime UnitType { TimeUnit }
C2_WaitTime UnitType { TimeUnit }
C3_DeadheadTime UnitType { TimeUnit }
C3_LeadTime UnitType { TimeUnit }
C3_ServiceTime UnitType { TimeUnit }
C3_WaitTime UnitType { TimeUnit }

RunInputs DataFile { RunInputs.txt }

```

```
ServiceReq AttributeDefinitionList { { class 0 } { route 0 } { pre_op 0 } { pre_salt 0 } { sub_op  
0 } { sub_salt 0 } { cur_op 0 } { cur_salt 0 } { tank 0 } { plow 0 } { capacity 0 } { dhf 1.0 }  
{ route_end 0 } { priority 0 } }
```

```
RunInputs CustomOutputList { { data [RunInputs].Value([WeatherEvent].Value) } {  
WeatherEvent this.data(1) } { TempRange this.data(2) } { pre_op this.data(3) } { pre_salt  
this.data(4) } { sub_op this.data(5) } { sub_salt this.data(6) } }
```

```
Simulation Description { 'Simulation run control inputs' }  
Simulation RunDuration { 72 h }  
Simulation GlobalSubstreamSeed { [Simulation].RunIndex(2) }  
Simulation RunOutputList { { [Simulation].RunIndex(1) } { [C1_LeadTime].SampleAverage } {  
[C1_LeadTime].SampleStandardDeviation } { [C1_ServiceTime].SampleAverage } {  
[C1_ServiceTime].SampleStandardDeviation } { [C1_DeadheadTime].SampleAverage } {  
[C1_DeadheadTime].SampleStandardDeviation } { [C1_WaitTime].SampleAverage } {  
[C1_WaitTime].SampleStandardDeviation } { [C2_LeadTime].SampleAverage } {  
[C2_LeadTime].SampleStandardDeviation } { [C2_ServiceTime].SampleAverage } {  
[C2_ServiceTime].SampleStandardDeviation } { [C2_DeadheadTime].SampleAverage } {  
[C2_DeadheadTime].SampleStandardDeviation } { [C2_WaitTime].SampleAverage } {  
[C2_WaitTime].SampleStandardDeviation } { [C3_LeadTime].SampleAverage } {  
[C3_LeadTime].SampleStandardDeviation } { [C3_ServiceTime].SampleAverage } {  
[C3_ServiceTime].SampleStandardDeviation } { [C3_DeadheadTime].SampleAverage } {  
[C3_DeadheadTime].SampleStandardDeviation } { [C3_WaitTime].SampleAverage } {  
[C3_WaitTime].SampleStandardDeviation } { [Resource_Queue].QueueLengthAverage } }
```

```
# *** ExpressionThreshold ***
```

```
ReqGenRegulator OpenCondition { [Resource_Queue].QueueLength<=5 }  
ReqGenRegulator CloseCondition { [Resource_Queue].QueueLength>5 }
```

```
# *** FileToMatrix ***
```

```
RunInputs Description { RunInputs }
```

```
# *** InputValue ***
```

```
ServiceSpeed Description { ServiceSpeed }  
ServiceSpeed Value { 22.5 mph }
```

```
WeatherEvent Description { WeatherEvent }  
WeatherEvent Value { 2 }
```

```
# *** ValueSequence ***
```

```
C1RouteNo Description { 'Class 1 Route Number' }
```


C1RouteNo ValueList { 2 4 }

C2RouteNo ValueList { 6 7 8 9 }

C3RouteNo ValueList { 1 3 5 10 }

*** Assign ***

```
Assign_Req_Properties NextComponent { Assign_to_Allocate }
Assign_Req_Properties AttributeAssignmentList { { this.obj.pre_op=[RunInputs].pre_op } {
'this.obj.priority = this.obj.class' } { this.obj.pre_salt=[RunInputs].pre_salt } {
this.obj.sub_op=[RunInputs].sub_op } { this.obj.sub_salt=[RunInputs].sub_salt } {
'this.obj.cur_salt = this.obj.pre_op != 0 ? this.obj.pre_salt : this.obj.sub_salt' } { 'this.obj.cur_op =
this.obj.sub_op == 0 ? 0 : this.obj.sub_op == 1 ? 1 : (this.obj.sub_op + this.obj.pre_op)' } {
'this.obj.tank = this.obj.cur_op == 1 ? 1 : this.obj.cur_op == 3 ? 1 : 0' } { 'this.obj.plow =
this.obj.cur_op == 2 ? 1 : this.obj.cur_op == 4 ? 1 : 0' } { 'this.obj.capacity = this.obj.tank == 1 ?
27000 : 0' } { 'this.obj.dhf = this.obj.route == 1 ? 0.1954 : this.obj.route == 2 ? 0.0198 :
this.obj.route == 3 ? 0.2610 : this.obj.route == 4 ? 0.2283 : this.obj.route == 5 ? 0.4048 :
this.obj.route == 6 ? 0.0822 : this.obj.route == 7 ? 0.0955 : this.obj.route == 8 ? 0.0573 :
this.obj.route == 9 ? 0.0742 : this.obj.route == 10 ? 0.2610 : 0' } }
```

```
C1_Route_Assign NextComponent { Set_Class_Graphic }
C1_Route_Assign AttributeAssignmentList { { this.obj.class=1 } {
this.obj.route=[C1RouteNo].Value } }
```

```
C2_Route_Assign NextComponent { Set_Class_Graphic }
C2_Route_Assign AttributeAssignmentList { { this.obj.class=2 } {
this.obj.route=[C2RouteNo].Value } }
```

```
C3_Route_Assign NextComponent { Set_Class_Graphic }
C3_Route_Assign AttributeAssignmentList { { this.obj.class=3 } {
this.obj.route=[C3RouteNo].Value } }
```

```
Reassign_Priority NextComponent { Reassign_Byepass }
Reassign_Priority AttributeAssignmentList { { this.obj.priority=1 } }
```

```
Rassign_Cur_op NextComponent { Feedback_to_sub_op1b }
Rassign_Cur_op AttributeAssignmentList { { 'this.obj.cur_op = this.obj.cur_op - this.obj.pre_op'
} { 'this.obj.tank = this.obj.cur_op == 1 ? 1 : this.obj.cur_op == 3 ? 1 : 0' } { 'this.obj.plow =
this.obj.cur_op == 2 ? 1 : this.obj.cur_op == 4 ? 1 : 0' } { 'this.obj.sub_op = 0' } }
```

```
Route1_end_assign NextComponent { B2_R1 }
Route1_end_assign AttributeAssignmentList { { 'this.obj.route_end = this.obj.route == 1 ? 1 : 0'
} }
```

```
Route2_5_end_assign NextComponent { Router_End }
```

```
Route2_5_end_assign AttributeAssignmentList { { 'this.obj.route_end = this.obj.route == 2 ? 1 : this.obj.route == 5 ? 1 : 0' } }
```

```
Route2_end_assign NextComponent { Router_End }
```

```
Route2_end_assign AttributeAssignmentList { { 'this.obj.route_end = this.obj.route == 2 ? 0 : 1' } }
```

```
# *** Branch ***
```

```
B1_R1 NextComponentList { 61-2-1a 61-2-2b 61-2-3a }
```

```
B1_R1 Choice { 'this.obj.route == 1 ? 1 : this.obj.route == 3 ? 3 : 2' }
```

```
B1_R4 NextComponentList { 61-2-3p 61-2-4a }
```

```
B1_R4 Choice { 'this.obj.route == 3 ? 1 : 2' }
```

```
B1_R5 NextComponentList { 61-2-1f 61-2-5e }
```

```
B1_R5 Choice { 'this.obj.route == 1 ? 1 : 2' }
```

```
B1_R8 NextComponentList { 61-2-5f 61-2-8e }
```

```
B1_R8 Choice { 'this.obj.route == 5 ? 1 : 2' }
```

```
B2_R1 NextComponentList { 61-2-1c 61-2-1h 61-2-5a }
```

```
B2_R1 Choice { 'this.obj.route == 1 ? (this.obj.route_end == 1 ? 2 : 1) : 3' }
```

```
B2_R4 NextComponentList { 61-2-3q Exit_router }
```

```
B2_R4 Choice { 'this.obj.route == 3 ? 1 : 2' }
```

```
B2_R8 NextComponentList { 61-2-8h 61-2-8i }
```

```
B2_R8 Choice { 'this.obj.route == 9 ? 1 : 2' }
```

```
Router_End NextComponentList { 61-2-2c Exit_router }
```

```
Router_End Choice { '(this.obj.tank + this.obj.plow) == 0 ? 2 : this.obj.route_end == 1 ? 2 : this.obj.route == 2 ? 1 : 2' }
```

```
Router_Start NextComponentList { 61-2-2a 61-2-3q 61-2-6a 61-2-8a Exit_router Router_End }
```

```
Router_Start Choice { '(this.obj.tank + this.obj.plow) == 0 ? 5 : this.obj.route == 1 ? 1 : this.obj.route == 2 ? 1 : this.obj.route == 3 ? 1 : this.obj.route == 10 ? 1 : this.obj.route == 4 ? 2 : this.obj.route == 6 ? 3 : this.obj.route == 7 ? 3 : this.obj.route == 5 ? 4 : this.obj.route == 8 ? 4 : this.obj.route == 9 ? 4 : 6' }
```

```
Stat_Analysis_Branch NextComponentList { C1_LeadTime C2_LeadTime C3_LeadTime Feedback_to_sub_op1a }
```

```
Stat_Analysis_Branch Choice { 'this.obj.sub_op > 0 ? 4 : this.obj.class' }
```

```
# *** EntityConveyor ***
```

61-2-1a NextComponent { 61-2-1c }
 61-2-1a StateAssignment { Service }
 61-2-1a TravelTime { $14.5[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-1b NextComponent { 61-2-2b }
 61-2-1b StateAssignment { Service }
 61-2-1b TravelTime { $14.5[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-1c NextComponent { 61-2-1e }
 61-2-1c StateAssignment { Service }
 61-2-1c TravelTime { $1[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-1d NextComponent { 61-2-1b }
 61-2-1d StateAssignment { Service }
 61-2-1d TravelTime { $1[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-1e NextComponent { 61-2-1g }
 61-2-1e StateAssignment { Service }
 61-2-1e TravelTime { $1[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-1f NextComponent { 61-2-1d }
 61-2-1f StateAssignment { Service }
 61-2-1f TravelTime { $1[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-1g NextComponent { Route1_end_assign }
 61-2-1g StateAssignment { Service }
 61-2-1g TravelTime { $1[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-1h NextComponent { B1_R5 }
 61-2-1h StateAssignment { Service }
 61-2-1h TravelTime { $1[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-2a NextComponent { B1_R1 }
 61-2-2a StateAssignment { Service }
 61-2-2a TravelTime { $4.25[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-2b NextComponent { Route2_end_assign }
 61-2-2b StateAssignment { Service }
 61-2-2b TravelTime { $4.25[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-2c NextComponent { 61-2-2d }
 61-2-2c StateAssignment { Service }
 61-2-2c TravelTime { $13.55[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-2d NextComponent { Route2_5_end_assign }

61-2-2d StateAssignment { Service }
61-2-2d TravelTime { $13.55[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-3a NextComponent { 61-2-3c }
61-2-3a StateAssignment { Service }
61-2-3a TravelTime { $2.25[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-3b NextComponent { 61-2-2b }
61-2-3b StateAssignment { Service }
61-2-3b TravelTime { $2.25[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-3c NextComponent { 61-2-3e }
61-2-3c StateAssignment { Service }
61-2-3c TravelTime { $2.75[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-3d NextComponent { 61-2-3b }
61-2-3d StateAssignment { Service }
61-2-3d TravelTime { $2.75[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-3e NextComponent { 61-2-3g }
61-2-3e StateAssignment { Service }
61-2-3e TravelTime { $1[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-3f NextComponent { 61-2-3d }
61-2-3f StateAssignment { Service }
61-2-3f TravelTime { $1[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-3g NextComponent { 61-2-3i }
61-2-3g StateAssignment { Service }
61-2-3g TravelTime { $0.5[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-3h NextComponent { 61-2-3f }
61-2-3h StateAssignment { Service }
61-2-3h TravelTime { $0.5[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-3i NextComponent { 61-2-3k }
61-2-3i StateAssignment { Service }
61-2-3i TravelTime { $1.7[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-3j NextComponent { 61-2-3h }
61-2-3j StateAssignment { Service }
61-2-3j TravelTime { $1.7[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-3k NextComponent { 61-2-3l }
61-2-3k StateAssignment { Service }
61-2-3k TravelTime { $1[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-3l NextComponent { 61-2-3l2 }
 61-2-3l StateAssignment { Service }
 61-2-3l TravelTime { $1[\text{mi}]^*1/[\text{ServiceSpeed}].\text{Value}$ }

61-2-3l2 NextComponent { 61-2-3m }
 61-2-3l2 StateAssignment { Service }
 61-2-3l2 TravelTime { $0.25[\text{mi}]^*1/[\text{ServiceSpeed}].\text{Value}$ }

61-2-3m NextComponent { 61-2-3o }
 61-2-3m StateAssignment { Service }
 61-2-3m TravelTime { $1.25[\text{mi}]^*1/[\text{ServiceSpeed}].\text{Value}$ }

61-2-3n NextComponent { 61-2-3n2 }
 61-2-3n StateAssignment { Service }
 61-2-3n TravelTime { $1.25[\text{mi}]^*1/[\text{ServiceSpeed}].\text{Value}$ }

61-2-3n2 NextComponent { 61-2-3j }
 61-2-3n2 StateAssignment { Service }
 61-2-3n2 TravelTime { $0.25[\text{mi}]^*1/[\text{ServiceSpeed}].\text{Value}$ }

61-2-3o NextComponent { 61-2-3r }
 61-2-3o StateAssignment { Service }
 61-2-3o TravelTime { $3.5[\text{mi}]^*1/[\text{ServiceSpeed}].\text{Value}$ }

61-2-3p NextComponent { 61-2-3n }
 61-2-3p StateAssignment { Service }
 61-2-3p TravelTime { $3.5[\text{mi}]^*1/[\text{ServiceSpeed}].\text{Value}$ }

61-2-3q NextComponent { B1_R4 }
 61-2-3q StateAssignment { Service }
 61-2-3q TravelTime { $4.2[\text{mi}]^*1/[\text{ServiceSpeed}].\text{Value}$ }

61-2-3r NextComponent { B2_R4 }
 61-2-3r StateAssignment { Service }
 61-2-3r TravelTime { $4.2[\text{mi}]^*1/[\text{ServiceSpeed}].\text{Value}$ }

61-2-4a NextComponent { 61-2-4b }
 61-2-4a StateAssignment { Service }
 61-2-4a TravelTime { $14.2[\text{mi}]^*1/[\text{ServiceSpeed}].\text{Value}$ }

61-2-4b NextComponent { 61-2-3r }
 61-2-4b StateAssignment { Service }
 61-2-4b TravelTime { $14.2[\text{mi}]^*1/[\text{ServiceSpeed}].\text{Value}$ }

61-2-5a NextComponent { 61-2-5b }

61-2-5a StateAssignment { Service }
 61-2-5a TravelTime { $4[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-5b NextComponent { 61-2-5c }
 61-2-5b StateAssignment { Service }
 61-2-5b TravelTime { $8.5[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-5c NextComponent { 61-2-5d }
 61-2-5c StateAssignment { Service }
 61-2-5c TravelTime { $8.5[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-5d NextComponent { 61-2-1h }
 61-2-5d StateAssignment { Service }
 61-2-5d TravelTime { $4[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-5e NextComponent { 61-2-8d }
 61-2-5e StateAssignment { Service }
 61-2-5e TravelTime { $1.5[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-5f NextComponent { 61-2-1g }
 61-2-5f StateAssignment { Service }
 61-2-5f TravelTime { $1.5[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-6a NextComponent { 61-2-6c }
 61-2-6a StateAssignment { Service }
 61-2-6a TravelTime { $4.7[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-6b NextComponent { Router_End }
 61-2-6b StateAssignment { Service }
 61-2-6b TravelTime { $4.7[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-6c NextComponent { 61-2-6e }
 61-2-6c StateAssignment { Service }
 61-2-6c TravelTime { $3.5[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-6d NextComponent { 61-2-6b }
 61-2-6d StateAssignment { Service }
 61-2-6d TravelTime { $3.5[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-6e NextComponent { 61-2-6g }
 61-2-6e StateAssignment { Service }
 61-2-6e TravelTime { $2[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-6f NextComponent { 61-2-6d }
 61-2-6f StateAssignment { Service }
 61-2-6f TravelTime { $2[\text{mi}] * 1 / [\text{ServiceSpeed}].\text{Value}$ }

61-2-6g NextComponent { 61-2-6h }
 61-2-6g StateAssignment { Service }
 61-2-6g TravelTime { $5[\text{mi}]^*1/[\text{ServiceSpeed}].\text{Value}$ }

61-2-6h NextComponent { 61-2-6f }
 61-2-6h StateAssignment { Service }
 61-2-6h TravelTime { $5[\text{mi}]^*1/[\text{ServiceSpeed}].\text{Value}$ }

61-2-8a NextComponent { 61-2-8c }
 61-2-8a StateAssignment { Service }
 61-2-8a TravelTime { $2.5[\text{mi}]^*1/[\text{ServiceSpeed}].\text{Value}$ }

61-2-8b NextComponent { Route2_5_end_assign }
 61-2-8b StateAssignment { Service }
 61-2-8b TravelTime { $2.5[\text{mi}]^*1/[\text{ServiceSpeed}].\text{Value}$ }

61-2-8c NextComponent { B1_R8 }
 61-2-8c StateAssignment { Service }
 61-2-8c TravelTime { $3.5[\text{mi}]^*1/[\text{ServiceSpeed}].\text{Value}$ }

61-2-8d NextComponent { 61-2-8b }
 61-2-8d StateAssignment { Service }
 61-2-8d TravelTime { $3.5[\text{mi}]^*1/[\text{ServiceSpeed}].\text{Value}$ }

61-2-8e NextComponent { 61-2-8g }
 61-2-8e StateAssignment { Service }
 61-2-8e TravelTime { $6[\text{mi}]^*1/[\text{ServiceSpeed}].\text{Value}$ }

61-2-8f NextComponent { 61-2-8d }
 61-2-8f StateAssignment { Service }
 61-2-8f TravelTime { $6[\text{mi}]^*1/[\text{ServiceSpeed}].\text{Value}$ }

61-2-8g NextComponent { B2_R8 }
 61-2-8g StateAssignment { Service }
 61-2-8g TravelTime { $6.2[\text{mi}]^*1/[\text{ServiceSpeed}].\text{Value}$ }

61-2-8h NextComponent { 61-2-8f }
 61-2-8h StateAssignment { Service }
 61-2-8h TravelTime { $6.2[\text{mi}]^*1/[\text{ServiceSpeed}].\text{Value}$ }

61-2-8i NextComponent { 61-2-8j }
 61-2-8i StateAssignment { Service }
 61-2-8i TravelTime { $3.6[\text{mi}]^*1/[\text{ServiceSpeed}].\text{Value}$ }

61-2-8j NextComponent { 61-2-8h }

```

61-2-8j StateAssignment { Service }
61-2-8j TravelTime { 3.6[mi]*1/[ServiceSpeed].Value }

Assign_to_Allocate NextComponent { Allocate_Resource }
Assign_to_Allocate TravelTime { 20 min }

Class_Graphic_to_Assign NextComponent { Assign_Req_Properties }
Class_Graphic_to_Assign TravelTime { 25 min }

Exit_router NextComponent { Release_Resource }
Exit_router TravelTime { 25 min }

Feedback_to_sub_op1a NextComponent { Rassign_Cur_op }
Feedback_to_sub_op1a StateAssignment { ServiceWait }
Feedback_to_sub_op1a TravelTime { 15 min }

Feedback_to_sub_op1b NextComponent { Feedback_to_sub_op2 }
Feedback_to_sub_op1b StateAssignment { ServiceWait }
Feedback_to_sub_op1b TravelTime { 20 min }

Feedback_to_sub_op2 NextComponent { Feedback_to_sub_op3 }
Feedback_to_sub_op2 StateAssignment { ServiceWait }
Feedback_to_sub_op2 TravelTime { 50 min }

Feedback_to_sub_op3 NextComponent { Allocate_Resource }
Feedback_to_sub_op3 StateAssignment { ServiceWait }
Feedback_to_sub_op3 TravelTime { 35 min }

Reassign_Byepass NextComponent { Assign_Req_Properties }
Reassign_Byepass TravelTime { 5 min }

Stat_to_Sink NextComponent { RequestComplete }
Stat_to_Sink TravelTime { 20 min }

Truck_Graphic_to_Router NextComponent { Router_Start }
Truck_Graphic_to_Router TravelTime { 25 min }

# *** EntityGenerator ***

ClassIII_SerReqGen ImmediateReleaseThresholdList { ReqGenRegulator }
ClassIII_SerReqGen NextComponent { C3_Route_Assign }
ClassIII_SerReqGen FirstArrivalTime { 1 h }
ClassIII_SerReqGen InterArrivalTime { 3 h }
ClassIII_SerReqGen PrototypeEntity { ServiceReq }
ClassIII_SerReqGen BaseName { C3R }

```



```
ClassII_SerReqGen ImmediateReleaseThresholdList { ReqGenRegulator }
ClassII_SerReqGen NextComponent { C2_Route_Assign }
ClassII_SerReqGen FirstArrivalTime { 0.5 h }
ClassII_SerReqGen InterArrivalTime { 2.5 h }
ClassII_SerReqGen PrototypeEntity { ServiceReq }
ClassII_SerReqGen BaseName { C2R }
```

```
ClassI_SerReqGen ImmediateReleaseThresholdList { ReqGenRegulator }
ClassI_SerReqGen NextComponent { C1_Route_Assign }
ClassI_SerReqGen FirstArrivalTime { 0.0 h }
ClassI_SerReqGen InterArrivalTime { 2 h }
ClassI_SerReqGen PrototypeEntity { ServiceReq }
ClassI_SerReqGen BaseName { C1R }
```

```
# *** EntitySink ***
```

```
# *** Queue ***
```

```
Resource_Queue StateAssignment { ResourceWait }
Resource_Queue Priority { this.obj.priority }
Resource_Queue FIFO { FALSE }
Resource_Queue RenegeTime { 3 h }
Resource_Queue RenegeDestination { Reassign_Priority }
```

```
# *** Release ***
```

```
Release_Resource NextComponent { Reset_Graphic }
Release_Resource ResourceList { SaltTruck PlowTruck }
Release_Resource NumberOfUnits { { this.obj.tank } { this.obj.plow } }
```

```
# *** Seize ***
```

```
Allocate_Resource NextComponent { Set_Truck_Graphic }
Allocate_Resource WaitQueue { Resource_Queue }
Allocate_Resource ResourceList { SaltTruck PlowTruck }
Allocate_Resource NumberOfUnits { { this.obj.tank } { this.obj.plow } }
```

```
# *** SetGraphics ***
```

```
Reset_Graphic NextComponent { Stat_Analysis_Branch }
Reset_Graphic GraphicsList { MimicEntity6 }
Reset_Graphic Choice { 1 }
```

```
Set_Class_Graphic NextComponent { Class_Graphic_to_Assign }
Set_Class_Graphic GraphicsList { ServiceReq MimicEntity2 MimicEntity3 }
```

```

Set_Class_Graphic Choice { this.obj.class }

Set_Truck_Graphic NextComponent { Truck_Graphic_to_Router }
Set_Truck_Graphic GraphicsList { MimicEntity4 MimicEntity5 ServiceReq }
Set_Truck_Graphic Choice { 'this.obj.tank + this.obj.plow == 0 ? 3 : this.obj.tank > this.obj.plow
? 1 : 2' }

# *** SimEntity ***

ServiceReq DefaultStateList { { Service Deadhead ServiceWait ResourceWait } }

# *** Statistics ***

C1_DeadheadTime NextComponent { C1_WaitTime }
C1_DeadheadTime SampleValue { 'this.obj.StateTimes("Service") * this.obj.dhf' }
C1_DeadheadTime RecordEntityStateTimes { TRUE }

C1_LeadTime NextComponent { C1_ServiceTime }
C1_LeadTime SampleValue { 'this.obj.StateTimes("Service") + this.obj.StateTimes("Deadhead")
+ this.obj.StateTimes("ServiceWait") + this.obj.StateTimes("ResourceWait")' }
C1_LeadTime RecordEntityStateTimes { TRUE }

C1_ServiceTime NextComponent { C1_DeadheadTime }
C1_ServiceTime SampleValue { 'this.obj.StateTimes("Service") * (1 - this.obj.dhf)' }
C1_ServiceTime RecordEntityStateTimes { TRUE }

C1_WaitTime NextComponent { Stat_to_Sink }
C1_WaitTime SampleValue { 'this.obj.StateTimes("ServiceWait") +
this.obj.StateTimes("ResourceWait")' }
C1_WaitTime RecordEntityStateTimes { TRUE }

C2_DeadheadTime NextComponent { C2_WaitTime }
C2_DeadheadTime SampleValue { 'this.obj.StateTimes("Service") * this.obj.dhf' }
C2_DeadheadTime RecordEntityStateTimes { TRUE }

C2_LeadTime NextComponent { C2_ServiceTime }
C2_LeadTime SampleValue { 'this.obj.StateTimes("Service") +
this.obj.StateTimes("ServiceWait") + this.obj.StateTimes("ResourceWait")' }

C2_ServiceTime NextComponent { C2_DeadheadTime }
C2_ServiceTime SampleValue { 'this.obj.StateTimes("Service") * (1 - this.obj.dhf)' }
C2_ServiceTime RecordEntityStateTimes { TRUE }

C2_WaitTime NextComponent { Stat_to_Sink }
C2_WaitTime SampleValue { 'this.obj.StateTimes("ServiceWait") +
this.obj.StateTimes("ResourceWait")' }

```

```

C2_WaitTime RecordEntityStateTimes { TRUE }

C3_DeadheadTime NextComponent { C3_WaitTime }
C3_DeadheadTime SampleValue { 'this.obj.StateTimes("Service") * this.obj.dhf' }
C3_DeadheadTime RecordEntityStateTimes { TRUE }

C3_LeadTime NextComponent { C3_ServiceTime }
C3_LeadTime SampleValue { 'this.obj.StateTimes("Service") + this.obj.StateTimes("ServiceWait") + this.obj.StateTimes("ResourceWait")' } +

C3_ServiceTime NextComponent { C3_DeadheadTime }
C3_ServiceTime SampleValue { 'this.obj.StateTimes("Service") * (1 - this.obj.dhf)' }
C3_ServiceTime RecordEntityStateTimes { TRUE }

C3_WaitTime NextComponent { Stat_to_Sink }
C3_WaitTime SampleValue { 'this.obj.StateTimes("ServiceWait") + this.obj.StateTimes("ResourceWait")' } +
C3_WaitTime RecordEntityStateTimes { TRUE }

# *** Resource ***

PlowTruck Capacity { 6 }

SaltTruck Capacity { 6 }

# *** GRAPHICS INPUTS ***

Simulation RealTime { TRUE }
Simulation SnapToGrid { TRUE }
Simulation RealTimeFactor { 1024 }
Simulation ShowLabels { TRUE }
Simulation ShowSubModels { TRUE }
Simulation ShowModelBuilder { TRUE }
Simulation ShowObjectSelector { TRUE }
Simulation ShowInputEditor { TRUE }
Simulation ShowOutputViewer { TRUE }
Simulation ShowPropertyViewer { TRUE }
Simulation ShowLogViewer { FALSE }

ReqGenRegulator Position { -26.65 -4.65 0.0 m }
ReqGenRegulator Size { 2.8 0.6 0.0 m }

RunInputs Position { -9.5 -0.5 0.0 m }

ServiceSpeed Position { -35.5 1.5 0.0 m }
ServiceSpeed FontColour { Red }

```

WeatherEvent Position { -30.5 4.5 0.0 m }
WeatherEvent FontColour { Red }

C1RouteNo Position { -19.5 -6.5 0.0 m }

C2RouteNo Position { -21.5 -3.5 0.0 m }

C3RouteNo Position { -20.5 0.5 0.0 m }

Assign_Req_Properties Position { -9.5 -2.5 0.0 m }
Assign_Req_Properties Size { 1.0 1.0 1.0 m }

C1_Route_Assign Position { -18.5 -4.5 0.0 m }

C2_Route_Assign Position { -19.5 -2.5 0.0 m }

C3_Route_Assign Position { -18.5 -0.5 0.0 m }

Reassign_Priority Position { -7.0 -6.2 0.0 m }
Reassign_Priority Size { 1.0 1.0 1.0 m }

Resign_Cur_op Position { 31.5 5.5 0.0 m }
Resign_Cur_op Size { 1.0 1.0 1.0 m }

Route1_end_assign Position { 21.8 3.7 0.0 m }
Route1_end_assign Size { 0.2 0.2 1.0 m }

Route2_5_end_assign Position { 14.7 -1.8 0.0 m }
Route2_5_end_assign Size { 0.2 0.2 1.0 m }

Route2_end_assign Position { 14.3 -1.9 0.0 m }
Route2_end_assign Size { 0.2 0.2 1.0 m }

B1_R1 Position { 13.8 3.1 0.0 m }
B1_R1 Size { 0.5 0.5 1.0 m }

B1_R4 Position { 14.3 -4.9 -0.0 m }
B1_R4 Size { 0.5 0.5 1.0 m }

B1_R5 Position { 22.4 2.7 0.0 m }
B1_R5 Size { 0.5 0.5 1.0 m }

B1_R8 Position { 21.6 0.7 -0.0 m }
B1_R8 Size { 0.5 0.5 1.0 m }

B2_R1 Position { 21.6 3.9 0.0 m }
B2_R1 Size { 0.5 0.5 1.0 m }

B2_R4 Position { 14.7 -2.7 0.0 m }
B2_R4 Size { 0.3 0.3 1.0 m }

B2_R8 Position { 24.1 3.4 -0.0 m }
B2_R8 Size { 0.5 0.5 1.0 m }

Router_End Position { 14.7 -2.3 0.0 m }
Router_End Size { 0.4 0.5 1.0 m }

Router_Start Position { 14.3 -2.5 0.0 m }
Router_Start Size { 0.4 0.5 1.0 m }

Stat_Analysis_Branch Position { 31.5 -2.5 0.0 m }

61-2-1a Position { 13.7 3.2 0.0 m }
61-2-1a Points { { 13.7 3.1 0.0 m } { 21.6 3.9 0.0 m } }

61-2-1b Position { 20.9 3.3 0.0 m }
61-2-1b Points { { 21.6 4.0 0.0 m } { 13.8 3.2 0.0 m } }

61-2-1c Position { 22.5 3.2 0.0 m }
61-2-1c Points { { 21.7 3.8 0.0 m } { 22.7 3.6 0.0 m } }

61-2-1d Position { 22.2 3.9 0.0 m }
61-2-1d Points { { 22.8 3.7 0.0 m } { 21.8 3.9 0.0 m } }

61-2-1e Position { 22.9 2.8 0.0 m }
61-2-1e Points { { 22.7 3.6 0.0 m } { 22.4 2.8 0.0 m } }

61-2-1f Position { 22.9 3.7 0.0 m }
61-2-1f Points { { 22.4 2.6 0.0 m } { 22.8 3.7 0.0 m } }

61-2-1g Position { 22.5 2.7 0.0 m }
61-2-1g Points { { 22.4 2.8 0.0 m } { 21.8 3.7 0.0 m } }

61-2-1h Position { 22.4 2.1 0.0 m }
61-2-1h Points { { 21.6 3.8 0.0 m } { 22.4 2.6 0.0 m } }

61-2-2a Position { 14.9 0.9 0.0 m }
61-2-2a Points { { 14.4 -2.1 0.0 m } { 13.8 3.1 0.0 m } }

61-2-2b Position { 14.1 2.7 0.0 m }
61-2-2b Points { { 13.7 3.0 0.0 m } { 14.3 -1.8 0.0 m } }

61-2-2c Position { 15.4 0.3 0.0 m }
61-2-2c Points { { 14.5 -1.9 0.0 m } { 21.1 -1.7 0.0 m } }

61-2-2d Position { 15.9 -0.2 0.0 m }
61-2-2d Points { { 21.1 -1.6 0.0 m } { 14.8 -1.8 0.0 m } }

61-2-3a Position { 5.3 2.1 0.0 m }
61-2-3a Points { { 13.6 3.1 0.0 m } { 10.4 3.3 0.0 m } }

61-2-3b Position { 14.1 2.4 0.0 m }
61-2-3b Points { { 10.5 3.2 0.0 m } { 13.6 3.0 0.0 m } }

61-2-3c Position { 11.1 1.1 0.0 m }
61-2-3c Points { { 10.4 3.3 0.0 m } { 10.3 -1.4 0.0 m } }

61-2-3d Position { 11.1 1.5 0.0 m }
61-2-3d Points { { 10.4 -1.4 0.0 m } { 10.5 3.2 0.0 m } }

61-2-3e Position { 11.6 0.5 0.0 m }
61-2-3e Points { { 10.3 -1.4 0.0 m } { 9.7 -2.2 0.0 m } }

61-2-3f Position { 10.6 -3.8 0.0 m }
61-2-3f Points { { 9.7 -2.3 0.0 m } { 10.4 -1.4 0.0 m } }

61-2-3g Position { 9.0 -1.6 0.0 m }
61-2-3g Points { { 9.7 -2.2 0.0 m } { 8.9 -2.2 0.0 m } }

61-2-3h Position { 9.0 -3.3 0.0 m }
61-2-3h Points { { 8.9 -2.3 0.0 m } { 9.7 -2.3 0.0 m } }

61-2-3i Position { 9.5 -2.1 0.0 m }
61-2-3i Points { { 8.9 -2.2 0.0 m } { 7.5 -3.9 0.0 m } }

61-2-3j Position { 6.8 -3.9 0.0 m }
61-2-3j Points { { 7.7 -3.8 0.0 m } { 8.9 -2.3 0.0 m } }

61-2-3k Position { 7.4 -3.5 0.0 m }
61-2-3k Points { { 7.5 -3.9 0.0 m } { 7.5 -4.9 0.0 m } }

61-2-3l Position { 6.0 -4.5 -0.0 m }
61-2-3l Points { { 7.6 -4.9 0.0 m } { 7.6 -3.7 0.0 m } }

61-2-3l2 Position { 7.0 -5.5 -0.0 m }
61-2-3l2 Points { { 7.6 -3.7 0.0 m } { 7.3 -3.7 0.0 m } }

61-2-3m Position { 6.5 -5.0 -0.0 m }
 61-2-3m Points { { 7.3 -3.7 0.0 m } { 6.0 -5.0 0.0 m } }

61-2-3n Position { 7.0 -5.5 -0.0 m }
 61-2-3n Points { { 6.3 -4.9 0.0 m } { 7.4 -3.8 0.0 m } }

61-2-3n2 Position { 7.5 -6.0 -0.0 m }
 61-2-3n2 Points { { 7.4 -3.8 0.0 m } { 7.7 -3.8 0.0 m } }

61-2-3o Position { 6.0 -5.0 0.0 m }
 61-2-3o Points { { 6.0 -5.0 0.0 m } { 14.2 -5.1 0.0 m } }

61-2-3p Position { 6.5 -5.6 0.0 m }
 61-2-3p Points { { 14.2 -5.0 0.0 m } { 6.3 -4.9 0.0 m } }

61-2-3q Position { 14.8 -3.7 0.0 m }
 61-2-3q Points { { 14.5 -2.7 0.0 m } { 14.3 -4.8 0.0 m } }

61-2-3r Position { 15.2 -4.2 0.0 m }
 61-2-3r Points { { 14.4 -4.8 0.0 m } { 14.6 -2.8 0.0 m } }

61-2-4a Position { 14.3 -5.1 0.0 m }
 61-2-4a Points { { 14.3 -5.1 0.0 m } { 14.6 -12.6 0.0 m } }

61-2-4b Position { 14.9 -5.6 0.0 m }
 61-2-4b Points { { 14.7 -12.6 0.0 m } { 14.4 -5.0 0.0 m } }

61-2-5a Position { 22.3 6.0 0.0 m }
 61-2-5a Points { { 21.7 4.0 0.0 m } { 21.2 5.5 0.0 m } }

61-2-5b Position { 22.8 5.5 0.0 m }
 61-2-5b Points { { 21.2 5.5 0.0 m } { 24.1 9.5 0.0 m } }

61-2-5c Position { 21.1 5.5 0.0 m }
 61-2-5c Points { { 24.0 9.5 0.0 m } { 21.1 5.5 0.0 m } }

61-2-5d Position { 22.6 5.5 0.0 m }
 61-2-5d Points { { 21.1 5.5 0.0 m } { 21.6 4.0 0.0 m } }

61-2-5e Position { 22.9 1.6 0.0 m }
 61-2-5e Points { { 22.2 2.6 0.0 m } { 21.6 0.8 0.0 m } }

61-2-5f Position { 23.4 1.1 0.0 m }
 61-2-5f Points { { 21.7 0.8 0.0 m } { 22.3 2.6 0.0 m } }

61-2-6a Position { 5.5 -2.1 0.0 m }

61-2-6a Points { { 14.2 -1.8 0.0 m } { 11.2 -2.7 0.0 m } }

61-2-6b Position { 12.5 -2.5 0.0 m }

61-2-6b Points { { 11.2 -2.8 0.0 m } { 14.2 -1.9 0.0 m } }

61-2-6c Position { 6.0 -2.6 0.0 m }

61-2-6c Points { { 11.2 -2.7 0.0 m } { 9.3 -2.5 0.0 m } }

61-2-6d Position { 6.5 -3.1 0.0 m }

61-2-6d Points { { 9.3 -2.6 0.0 m } { 11.2 -2.8 0.0 m } }

61-2-6e Position { 7.1 -4.1 0.0 m }

61-2-6e Points { { 9.3 -2.5 0.0 m } { 8.3 -3.3 0.0 m } }

61-2-6f Position { 6.9 -3.6 0.0 m }

61-2-6f Points { { 8.4 -3.3 0.0 m } { 9.3 -2.6 0.0 m } }

61-2-6g Position { 7.7 -4.6 0.0 m }

61-2-6g Points { { 8.3 -3.3 0.0 m } { 8.2 -6.3 0.0 m } }

61-2-6h Position { 8.4 -4.1 0.0 m }

61-2-6h Points { { 8.3 -6.3 0.0 m } { 8.4 -3.3 0.0 m } }

61-2-8a Position { 18.6 -1.8 0.0 m }

61-2-8a Points { { 15.0 -1.7 0.0 m } { 17.5 0.1 0.0 m } }

61-2-8b Position { 17.1 -0.5 0.0 m }

61-2-8b Points { { 17.5 0.2 0.0 m } { 14.9 -1.7 0.0 m } }

61-2-8c Position { 18.0 -1.3 0.0 m }

61-2-8c Points { { 17.5 0.1 0.0 m } { 21.5 0.6 0.0 m } }

61-2-8d Position { 23.4 1.1 0.0 m }

61-2-8d Points { { 21.5 0.7 0.0 m } { 17.5 0.2 0.0 m } }

61-2-8e Position { 23.9 0.6 0.0 m }

61-2-8e Points { { 21.8 0.7 0.0 m } { 23.4 1.2 0.0 m } }

61-2-8f Position { 25.7 1.3 0.0 m }

61-2-8f Points { { 23.3 1.3 0.0 m } { 21.8 0.8 0.0 m } }

61-2-8g Position { 23.4 1.2 0.0 m }

61-2-8g Points { { 23.4 1.2 0.0 m } { 23.9 3.3 0.0 m } }

61-2-8h Position { 24.7 2.1 0.0 m }

61-2-8h Points { { 23.8 3.5 0.0 m } { 23.3 1.3 0.0 m } }

61-2-8i Position { 24.0 3.6 0.0 m }
 61-2-8i Points { { 24.0 3.6 0.0 m } { 23.0 3.8 0.0 m } }

61-2-8j Position { 25.1 5.9 0.0 m }
 61-2-8j Points { { 23.0 3.7 0.0 m } { 23.8 3.5 0.0 m } }

Assign_to_Allocate Position { -4.5 -2.5 0.0 m }
 Assign_to_Allocate Points { { -9.0 -2.5 0.0 m } { -3.1 -2.5 0.0 m } }

Class_Graphic_to_Assign Position { -11.8 -2.3 0.0 m }
 Class_Graphic_to_Assign Points { { -16.9 -2.5 0.0 m } { -10.1 -2.5 0.0 m } }

Exit_router Position { 24.3 -2.2 0.0 m }
 Exit_router Points { { 15.0 -2.3 0.0 m } { 27.0 -2.3 0.0 m } }

Feedback_to_sub_op1a Position { 29.3 -6.2 0.0 m }
 Feedback_to_sub_op1a Points { { 31.5 -2.2 0.0 m } { 31.5 4.8 0.0 m } }

Feedback_to_sub_op1b Position { 32.1 8.6 0.0 m }
 Feedback_to_sub_op1b Points { { 31.5 5.9 0.0 m } { 31.5 12.7 0.0 m } }

Feedback_to_sub_op2 Position { 1.9 4.2 0.0 m }
 Feedback_to_sub_op2 Points { { 31.5 12.7 0.0 m } { -4.0 12.7 0.0 m } }

Feedback_to_sub_op3 Position { 2.4 3.7 0.0 m }
 Feedback_to_sub_op3 Points { { -4.0 12.7 0.0 m } { -4.0 -2.5 0.0 m } }

Reassign_Byepass Position { -9.6 -6.2 0.0 m }
 Reassign_Byepass Points { { -7.0 -5.7 0.0 m } { -7.0 -2.5 0.0 m } }

Stat_to_Sink Position { 40.6 -2.4 0.0 m }
 Stat_to_Sink Points { { 41.1 -2.5 0.0 m } { 44.6 -2.4 0.0 m } }

Truck_Graphic_to_Router Position { 5.5 2.9 0.0 m }
 Truck_Graphic_to_Router Points { { 0.1 -2.5 0.0 m } { 14.1 -2.5 0.0 m } }

ClassIII_SerReqGen Position { -19.5 1.5 0.0 m }
 ClassIII_SerReqGen Size { 1.0 1.0 1.0 m }

ClassII_SerReqGen Position { -21.5 -1.5 0.0 m }
 ClassII_SerReqGen Size { 1.0 1.0 1.0 m }

ClassI_SerReqGen Position { -20.5 -5.5 0.0 m }
 ClassI_SerReqGen Size { 1.0 1.0 1.0 m }

RequestComplete Position { 45.1 -2.4 0.0 m }
Resource_Queue Position { -2.3 -3.7 0.0 m }
Resource_Queue Size { 0.5 0.5 0.0 m }
Release_Resource Position { 27.5 -2.5 0.0 m }
Allocate_Resource Position { -2.5 -2.5 0.0 m }
Reset_Graphic Position { 29.3 -2.5 0.0 m }
Set_Class_Graphic Position { -17.5 -2.5 0.0 m }
Set_Truck_Graphic Position { -0.5 -2.5 0.0 m }
ServiceReq Position { -24.7 -1.5 0.0 m }
ServiceReq Alignment { 0.0 0.0 -0.5 }
C1_DeadheadTime Position { 37.7 -0.5 0.0 m }
C1_LeadTime Position { 33.5 -0.5 0.0 m }
C1_ServiceTime Position { 35.5 -0.5 0.0 m }
C1_WaitTime Position { 40.0 -0.5 0.0 m }
C2_DeadheadTime Position { 37.8 -2.3 0.0 m }
C2_LeadTime Position { 33.5 -2.3 0.0 m }
C2_ServiceTime Position { 35.5 -2.3 0.0 m }
C2_WaitTime Position { 40.0 -2.3 0.0 m }
C3_DeadheadTime Position { 37.8 -4.0 0.0 m }
C3_LeadTime Position { 33.5 -4.0 0.0 m }
C3_ServiceTime Position { 35.5 -4.0 0.0 m }
C3_WaitTime Position { 40.0 -4.0 0.0 m }
PlowTruck Position { -0.5 0.5 0.0 m }
SaltTruck Position { -2.5 0.5 0.0 m }

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# *** ColladaModel ***

Axis ColladaFile { <res>/shapes/axis_text.dae }

Grid100x100 ColladaFile { <res>/shapes/grid100x100.dae }

# *** ImageModel ***

Crane_Unit_Map-model ImageFile { 'Snow_Routes_Crane/Crane Unit Map.PNG' }

Crane_Unit_Map1-model ImageFile { 'Snow_Routes_Crane/Crane Unit Map.PNG' }

Crane_Unit_Map_Edit2-model ImageFile { 'Snow_Routes_Crane/Crane Unit Map_Edit2.png' }

truck-4-model ImageFile { 'Graphic PNGs/truck-4.png' }

truck-model ImageFile { 'Graphic PNGs/truck.png' }

# *** DisplayEntity ***

Crane_Unit_Map1 Position { 15.3 -1.0 -0.001 m }
Crane_Unit_Map1 Size { 21.5 23.8 0.0 m }
Crane_Unit_Map1 DisplayModel { Crane_Unit_Map1-model }
Crane_Unit_Map1 Movable { FALSE }

XY-Grid Description { 'Grid for the X-Y plane (100 m x 100 m)' }
XY-Grid Size { 100 100 m }
XY-Grid DisplayModel { Grid100x100 }
XY-Grid Show { FALSE }
XY-Grid Movable { FALSE }

XYZ-Axis Description { 'Unit vectors' }
XYZ-Axis Alignment { -0.4393409 -0.4410096 -0.4394292 }
XYZ-Axis Size { 1.125000 1.1568242 1.1266404 m }
XYZ-Axis DisplayModel { Axis }
XYZ-Axis Show { FALSE }
XYZ-Axis Movable { FALSE }

# *** EntityLabel ***

61-2-1a_Label Position { 4.0 0.1 0.0 m }
61-2-1a_Label Size { 0.1 0.2 0.0 m }
61-2-1a_Label Orientation { 0.0 0.0 8.0 deg }
61-2-1a_Label RelativeEntity { 61-2-1a }
61-2-1a_Label Show { TRUE }
61-2-1a_Label TextHeight { 0.1 m }

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61-2-1a_Label TargetEntity { 61-2-1a }

61-2-1b_Label Position { -3.5 0.5 0.0 m }
61-2-1b_Label Size { 0.1 0.2 0.0 m }
61-2-1b_Label Orientation { 0.0 0.0 -174.0 deg }
61-2-1b_Label RelativeEntity { 61-2-1b }
61-2-1b_Label Show { TRUE }
61-2-1b_Label TextHeight { 0.1 m }
61-2-1b_Label TargetEntity { 61-2-1b }

61-2-1c_Label Position { -0.2 0.8 0.0 m }
61-2-1c_Label Size { 0.961336 0.3 0.0 m }
61-2-1c_Label Orientation { 0.0 0.0 -11.0 deg }
61-2-1c_Label RelativeEntity { 61-2-1c }
61-2-1c_Label Show { TRUE }
61-2-1c_Label TargetEntity { 61-2-1c }

61-2-1d_Label Position { 0.2 0.3 0.0 m }
61-2-1d_Label Size { 0.982181 0.3 0.0 m }
61-2-1d_Label Orientation { 0.0 0.0 -192.0 deg }
61-2-1d_Label RelativeEntity { 61-2-1d }
61-2-1d_Label Show { FALSE }
61-2-1d_Label TargetEntity { 61-2-1d }

61-2-1e_Label Position { 0.0 0.3 0.0 m }
61-2-1e_Label Size { 0.976596 0.3 0.0 m }
61-2-1e_Label Orientation { 0.0 0.0 250.0 deg }
61-2-1e_Label RelativeEntity { 61-2-1e }
61-2-1e_Label Show { TRUE }
61-2-1e_Label TargetEntity { 61-2-1e }

61-2-1f_Label Position { 0.2 -0.7 0.0 m }
61-2-1f_Label Size { 0.926729 0.3 0.0 m }
61-2-1f_Label Orientation { 0.0 0.0 69.0 deg }
61-2-1f_Label RelativeEntity { 61-2-1f }
61-2-1f_Label Show { FALSE }
61-2-1f_Label TargetEntity { 61-2-1f }

61-2-1g_Label Position { -0.7 0.4 0.0 m }
61-2-1g_Label Size { 0.1 0.2 0.0 m }
61-2-1g_Label Orientation { 0.0 0.0 122.0 deg }
61-2-1g_Label RelativeEntity { 61-2-1g }
61-2-1g_Label Show { TRUE }
61-2-1g_Label TextHeight { 0.1 m }
61-2-1g_Label TargetEntity { 61-2-1g }

61-2-1h_Label Position { -0.8 0.9 0.0 m }
61-2-1h_Label Size { 0.984176 0.3 0.0 m }
61-2-1h_Label Orientation { 0.0 0.0 304.0 deg }
61-2-1h_Label RelativeEntity { 61-2-1h }
61-2-1h_Label Show { FALSE }
61-2-1h_Label TargetEntity { 61-2-1h }

61-2-2a_Label Position { -0.7 -0.4 0.0 m }
61-2-2a_Label Size { 0.1 0.2 0.0 m }
61-2-2a_Label Orientation { 0.0 0.0 96.0 deg }
61-2-2a_Label RelativeEntity { 61-2-2a }
61-2-2a_Label Show { TRUE }
61-2-2a_Label TextHeight { 0.1 m }
61-2-2a_Label TargetEntity { 61-2-2a }

61-2-2b_Label Position { -0.3 -2.2 0.0 m }
61-2-2b_Label Size { 0.1 0.2 0.0 m }
61-2-2b_Label Orientation { 0.0 0.0 -83.0 deg }
61-2-2b_Label RelativeEntity { 61-2-2b }
61-2-2b_Label Show { TRUE }
61-2-2b_Label TextHeight { 0.1 m }
61-2-2b_Label TargetEntity { 61-2-2b }

61-2-2c_Label Position { 2.4 -2.3 0.0 m }
61-2-2c_Label Size { 0.961336 0.3 0.0 m }
61-2-2c_Label Orientation { 0.0 0.0 3.0 deg }
61-2-2c_Label RelativeEntity { 61-2-2c }
61-2-2c_Label Show { TRUE }
61-2-2c_Label TargetEntity { 61-2-2c }

61-2-2d_Label Position { 3.0 -1.3 0.0 m }
61-2-2d_Label Size { 0.982181 0.3 0.0 m }
61-2-2d_Label Orientation { 0.0 0.0 -177.0 deg }
61-2-2d_Label RelativeEntity { 61-2-2d }
61-2-2d_Label Show { TRUE }
61-2-2d_Label TargetEntity { 61-2-2d }

61-2-3a_Label Position { 6.6 1.3 0.0 m }
61-2-3a_Label Size { 0.1 0.2 0.0 m }
61-2-3a_Label Orientation { 0.0 0.0 -184.0 deg }
61-2-3a_Label RelativeEntity { 61-2-3a }
61-2-3a_Label Show { TRUE }
61-2-3a_Label TextHeight { 0.1 m }
61-2-3a_Label TargetEntity { 61-2-3a }

61-2-3b_Label Position { -2.3 0.5 0.0 m }

61-2-3b_Label Size { 0.1 0.2 0.0 m }
61-2-3b_Label Orientation { 0.0 0.0 -364.0 deg }
61-2-3b_Label RelativeEntity { 61-2-3b }
61-2-3b_Label Show { TRUE }
61-2-3b_Label TextHeight { 0.1 m }
61-2-3b_Label TargetEntity { 61-2-3b }

61-2-3c_Label Position { -1.0 -0.6 0.0 m }
61-2-3c_Label Size { 0.1 0.2 0.0 m }
61-2-3c_Label Orientation { 0.0 0.0 -91.0 deg }
61-2-3c_Label RelativeEntity { 61-2-3c }
61-2-3c_Label Show { TRUE }
61-2-3c_Label TextHeight { 0.1 m }
61-2-3c_Label TargetEntity { 61-2-3c }

61-2-3d_Label Position { -0.4 -0.5 0.0 m }
61-2-3d_Label Size { 0.1 0.2 0.0 m }
61-2-3d_Label Orientation { 0.0 0.0 89.0 deg }
61-2-3d_Label RelativeEntity { 61-2-3d }
61-2-3d_Label Show { TRUE }
61-2-3d_Label TextHeight { 0.1 m }
61-2-3d_Label TargetEntity { 61-2-3d }

61-2-3e_Label Position { -1.7 -2.2 0.0 m }
61-2-3e_Label Size { 0.1 0.2 0.0 m }
61-2-3e_Label Orientation { 0.0 0.0 -125.0 deg }
61-2-3e_Label RelativeEntity { 61-2-3e }
61-2-3e_Label Show { TRUE }
61-2-3e_Label TextHeight { 0.1 m }
61-2-3e_Label TargetEntity { 61-2-3e }

61-2-3f_Label Position { -0.3 1.9 0.0 m }
61-2-3f_Label Size { 0.1 0.2 0.0 m }
61-2-3f_Label Orientation { 0.0 0.0 57.0 deg }
61-2-3f_Label RelativeEntity { 61-2-3f }
61-2-3f_Label Show { TRUE }
61-2-3f_Label TextHeight { 0.1 m }
61-2-3f_Label TargetEntity { 61-2-3f }

61-2-3g_Label Position { 0.2 -0.5 0.0 m }
61-2-3g_Label Size { 0.1 0.2 0.0 m }
61-2-3g_Label Orientation { 0.0 0.0 180.0 deg }
61-2-3g_Label RelativeEntity { 61-2-3g }
61-2-3g_Label Show { TRUE }
61-2-3g_Label TextHeight { 0.1 m }
61-2-3g_Label TargetEntity { 61-2-3g }

61-2-3h_Label Position { 0.3 0.9 0.0 m }
61-2-3h_Label Size { 0.1 0.2 0.0 m }
61-2-3h_Label RelativeEntity { 61-2-3h }
61-2-3h_Label Show { TRUE }
61-2-3h_Label TextHeight { 0.1 m }
61-2-3h_Label TargetEntity { 61-2-3h }

61-2-3i_Label Position { -1.3 -0.6 0.0 m }
61-2-3i_Label Size { 0.1 0.2 0.0 m }
61-2-3i_Label Orientation { 0.0 0.0 -125.0 deg }
61-2-3i_Label RelativeEntity { 61-2-3i }
61-2-3i_Label Show { TRUE }
61-2-3i_Label TextHeight { 0.1 m }
61-2-3i_Label TargetEntity { 61-2-3i }

61-2-3j_Label Position { 1.3 0.4 0.0 m }
61-2-3j_Label Size { 0.1 0.2 0.0 m }
61-2-3j_Label Orientation { 0.0 0.0 52.0 deg }
61-2-3j_Label RelativeEntity { 61-2-3j }
61-2-3j_Label Show { TRUE }
61-2-3j_Label TextHeight { 0.1 m }
61-2-3j_Label TargetEntity { 61-2-3j }

61-2-3k_Label Position { 0.0 -0.8 0.0 m }
61-2-3k_Label Size { 0.1 0.2 0.0 m }
61-2-3k_Label Orientation { 0.0 0.0 -89.0 deg }
61-2-3k_Label RelativeEntity { 61-2-3k }
61-2-3k_Label Show { TRUE }
61-2-3k_Label TextHeight { 0.1 m }
61-2-3k_Label TargetEntity { 61-2-3k }

61-2-3l2_Label Position { 0.3 1.9 0.0 m }
61-2-3l2_Label Size { 0.1 0.2 0.0 m }
61-2-3l2_Label Orientation { 0.0 0.0 -180.0 deg }
61-2-3l2_Label RelativeEntity { 61-2-3l2 }
61-2-3l2_Label Show { TRUE }
61-2-3l2_Label TextHeight { 0.1 m }
61-2-3l2_Label TargetEntity { 61-2-3l2 }

61-2-3l_Label Position { 1.7 0.1 0.0 m }
61-2-3l_Label Size { 0.1 0.2 0.0 m }
61-2-3l_Label Orientation { 0.0 0.0 89.0 deg }
61-2-3l_Label RelativeEntity { 61-2-3l }
61-2-3l_Label Show { TRUE }
61-2-3l_Label TextHeight { 0.1 m }

61-2-3l_Label TargetEntity { 61-2-3l }

61-2-3m_Label Position { -0.1 0.7 0.0 m }
61-2-3m_Label Size { 0.1 0.2 0.0 m }
61-2-3m_Label Orientation { 0.0 0.0 -134.0 deg }
61-2-3m_Label RelativeEntity { 61-2-3m }
61-2-3m_Label Show { TRUE }
61-2-3m_Label TextHeight { 0.1 m }
61-2-3m_Label TargetEntity { 61-2-3m }

61-2-3n2_Label Position { 0.3 2.1 0.0 m }
61-2-3n2_Label Size { 0.05 0.1 0.0 m }
61-2-3n2_Label RelativeEntity { 61-2-3n2 }
61-2-3n2_Label Show { FALSE }
61-2-3n2_Label TextHeight { 0.05 m }
61-2-3n2_Label TargetEntity { 61-2-3n2 }

61-2-3n_Label Position { -0.1 1.0 0.0 m }
61-2-3n_Label Size { 0.1 0.2 0.0 m }
61-2-3n_Label Orientation { 0.0 0.0 47.0 deg }
61-2-3n_Label RelativeEntity { 61-2-3n }
61-2-3n_Label Show { TRUE }
61-2-3n_Label TextHeight { 0.1 m }
61-2-3n_Label TargetEntity { 61-2-3n }

61-2-3o_Label Position { 4.2 -0.2 0.0 m }
61-2-3o_Label Size { 0.1 0.2 0.0 m }
61-2-3o_Label RelativeEntity { 61-2-3o }
61-2-3o_Label Show { TRUE }
61-2-3o_Label TextHeight { 0.1 m }
61-2-3o_Label TargetEntity { 61-2-3o }

61-2-3p_Label Position { 3.9 0.7 0.0 m }
61-2-3p_Label Size { 0.1 0.2 0.0 m }
61-2-3p_Label Orientation { 0.0 0.0 -180.0 deg }
61-2-3p_Label RelativeEntity { 61-2-3p }
61-2-3p_Label Show { TRUE }
61-2-3p_Label TextHeight { 0.1 m }
61-2-3p_Label TargetEntity { 61-2-3p }

61-2-3q_Label Position { -0.6 -0.2 0.0 m }
61-2-3q_Label Size { 0.1 0.2 0.0 m }
61-2-3q_Label Orientation { 0.0 0.0 -96.0 deg }
61-2-3q_Label RelativeEntity { 61-2-3q }
61-2-3q_Label Show { TRUE }
61-2-3q_Label TextHeight { 0.1 m }

61-2-3q_Label TargetEntity { 61-2-3q }

61-2-3r_Label Position { -0.5 0.3 0.0 m }
61-2-3r_Label Size { 0.1 0.2 0.0 m }
61-2-3r_Label Orientation { 0.0 0.0 85.0 deg }
61-2-3r_Label RelativeEntity { 61-2-3r }
61-2-3r_Label Show { FALSE }
61-2-3r_Label TextHeight { 0.1 m }
61-2-3r_Label TargetEntity { 61-2-3r }

61-2-4a_Label Position { -0.1 -1.6 0.0 m }
61-2-4a_Label Size { 0.977593 0.3 0.0 m }
61-2-4a_Label Orientation { 0.0 0.0 -86.0 deg }
61-2-4a_Label RelativeEntity { 61-2-4a }
61-2-4a_Label Show { TRUE }
61-2-4a_Label TargetEntity { 61-2-4a }

61-2-4b_Label Position { 0.1 -3.1 0.0 m }
61-2-4b_Label Size { 0.982181 0.3 0.0 m }
61-2-4b_Label Orientation { 0.0 0.0 92.0 deg }
61-2-4b_Label RelativeEntity { 61-2-4b }
61-2-4b_Label Show { TRUE }
61-2-4b_Label TargetEntity { 61-2-4b }

61-2-5a_Label Position { -0.7 -1.0 0.0 m }
61-2-5a_Label Size { 0.977593 0.3 0.0 m }
61-2-5a_Label Orientation { 0.0 0.0 111.0 deg }
61-2-5a_Label RelativeEntity { 61-2-5a }
61-2-5a_Label Show { TRUE }
61-2-5a_Label TargetEntity { 61-2-5a }

61-2-5b_Label Position { -1.0 0.6 0.0 m }
61-2-5b_Label Size { 0.982181 0.3 0.0 m }
61-2-5b_Label Orientation { 0.0 0.0 56.0 deg }
61-2-5b_Label RelativeEntity { 61-2-5b }
61-2-5b_Label Show { TRUE }
61-2-5b_Label TargetEntity { 61-2-5b }

61-2-5c_Label Position { 1.1 1.8 0.0 m }
61-2-5c_Label Size { 0.961336 0.3 0.0 m }
61-2-5c_Label Orientation { 0.0 0.0 233.0 deg }
61-2-5c_Label RelativeEntity { 61-2-5c }
61-2-5c_Label Show { TRUE }
61-2-5c_Label TargetEntity { 61-2-5c }

61-2-5d_Label Position { -1.5 -0.7 0.0 m }

61-2-5d_Label Size { 0.982181 0.3 0.0 m }
61-2-5d_Label Orientation { 0.0 0.0 -74.0 deg }
61-2-5d_Label RelativeEntity { 61-2-5d }
61-2-5d_Label Show { TRUE }
61-2-5d_Label TargetEntity { 61-2-5d }

61-2-5e_Label Position { -1.2 0.1 0.0 m }
61-2-5e_Label Size { 0.976596 0.3 0.0 m }
61-2-5e_Label Orientation { 0.0 0.0 -115.0 deg }
61-2-5e_Label RelativeEntity { 61-2-5e }
61-2-5e_Label Show { TRUE }
61-2-5e_Label TargetEntity { 61-2-5e }

61-2-5f_Label Position { -1.3 0.5 0.0 m }
61-2-5f_Label Size { 0.926729 0.3 0.0 m }
61-2-5f_Label Orientation { 0.0 0.0 67.0 deg }
61-2-5f_Label RelativeEntity { 61-2-5f }
61-2-5f_Label Show { TRUE }
61-2-5f_Label TargetEntity { 61-2-5f }

61-2-6a_Label Position { 7.0 -0.0 0.0 m }
61-2-6a_Label Size { 0.1 0.2 0.0 m }
61-2-6a_Label Orientation { 0.0 0.0 -162.0 deg }
61-2-6a_Label RelativeEntity { 61-2-6a }
61-2-6a_Label Show { TRUE }
61-2-6a_Label TextHeight { 0.1 m }
61-2-6a_Label TargetEntity { 61-2-6a }

61-2-6b_Label Position { -0.6 -0.2 0.0 m }
61-2-6b_Label Size { 0.1 0.2 0.0 m }
61-2-6b_Label Orientation { 0.0 0.0 17.0 deg }
61-2-6b_Label RelativeEntity { 61-2-6b }
61-2-6b_Label Show { TRUE }
61-2-6b_Label TextHeight { 0.1 m }
61-2-6b_Label TargetEntity { 61-2-6b }

61-2-6c_Label Position { 4.3 0.2 0.0 m }
61-2-6c_Label Size { 0.1 0.2 0.0 m }
61-2-6c_Label Orientation { 0.0 0.0 -185.0 deg }
61-2-6c_Label RelativeEntity { 61-2-6c }
61-2-6c_Label Show { TRUE }
61-2-6c_Label TextHeight { 0.1 m }
61-2-6c_Label TargetEntity { 61-2-6c }

61-2-6d_Label Position { 3.7 0.3 0.0 m }
61-2-6d_Label Size { 0.1 0.2 0.0 m }

61-2-6d_Label Orientation { 0.0 0.0 -8.0 deg }
 61-2-6d_Label RelativeEntity { 61-2-6d }
 61-2-6d_Label Show { TRUE }
 61-2-6d_Label TextHeight { 0.1 m }
 61-2-6d_Label TargetEntity { 61-2-6d }

61-2-6e_Label Position { 1.7 1.3 0.0 m }
 61-2-6e_Label Size { 0.1 0.2 0.0 m }
 61-2-6e_Label Orientation { 0.0 0.0 -140.0 deg }
 61-2-6e_Label RelativeEntity { 61-2-6e }
 61-2-6e_Label Show { TRUE }
 61-2-6e_Label TextHeight { 0.1 m }
 61-2-6e_Label TargetEntity { 61-2-6e }

61-2-6f_Label Position { 1.9 0.5 0.0 m }
 61-2-6f_Label Size { 0.1 0.2 0.0 m }
 61-2-6f_Label Orientation { 0.0 0.0 35.0 deg }
 61-2-6f_Label RelativeEntity { 61-2-6f }
 61-2-6f_Label Show { TRUE }
 61-2-6f_Label TextHeight { 0.1 m }
 61-2-6f_Label TargetEntity { 61-2-6f }

61-2-6g_Label Position { 0.4 0.1 0.0 m }
 61-2-6g_Label Size { 0.1 0.2 0.0 m }
 61-2-6g_Label Orientation { 0.0 0.0 -90.0 deg }
 61-2-6g_Label RelativeEntity { 61-2-6g }
 61-2-6g_Label Show { TRUE }
 61-2-6g_Label TextHeight { 0.1 m }
 61-2-6g_Label TargetEntity { 61-2-6g }

61-2-6h_Label Position { 0.1 -0.2 0.0 m }
 61-2-6h_Label Size { 0.1 0.2 0.0 m }
 61-2-6h_Label Orientation { 0.0 0.0 90.0 deg }
 61-2-6h_Label RelativeEntity { 61-2-6h }
 61-2-6h_Label Show { TRUE }
 61-2-6h_Label TextHeight { 0.1 m }
 61-2-6h_Label TargetEntity { 61-2-6h }

61-2-8a_Label Position { -1.6 1.1 0.0 m }
 61-2-8a_Label Size { 0.977593 0.3 0.0 m }
 61-2-8a_Label Orientation { 0.0 0.0 40.0 deg }
 61-2-8a_Label RelativeEntity { 61-2-8a }
 61-2-8a_Label Show { TRUE }
 61-2-8a_Label TargetEntity { 61-2-8a }

61-2-8b_Label Position { -0.7 0.2 0.0 m }

61-2-8b_Label Size { 0.982181 0.3 0.0 m }
61-2-8b_Label Orientation { 0.0 0.0 -138.0 deg }
61-2-8b_Label RelativeEntity { 61-2-8b }
61-2-8b_Label Show { TRUE }
61-2-8b_Label TargetEntity { 61-2-8b }

61-2-8c_Label Position { 1.1 1.2 0.0 m }
61-2-8c_Label Size { 0.961336 0.3 0.0 m }
61-2-8c_Label Orientation { 0.0 0.0 9.0 deg }
61-2-8c_Label RelativeEntity { 61-2-8c }
61-2-8c_Label Show { TRUE }
61-2-8c_Label TargetEntity { 61-2-8c }

61-2-8d_Label Position { -4.9 -0.5 0.0 m }
61-2-8d_Label Size { 0.982181 0.3 0.0 m }
61-2-8d_Label Orientation { 0.0 0.0 -171.0 deg }
61-2-8d_Label RelativeEntity { 61-2-8d }
61-2-8d_Label Show { TRUE }
61-2-8d_Label TargetEntity { 61-2-8d }

61-2-8e_Label Position { -1.1 0.2 0.0 m }
61-2-8e_Label Size { 0.1 0.2 0.0 m }
61-2-8e_Label Orientation { 0.0 0.0 19.0 deg }
61-2-8e_Label RelativeEntity { 61-2-8e }
61-2-8e_Label Show { TRUE }
61-2-8e_Label TextHeight { 0.1 m }
61-2-8e_Label TargetEntity { 61-2-8e }

61-2-8f_Label Position { -3.3 -0.2 0.0 m }
61-2-8f_Label Size { 0.1 0.2 0.0 m }
61-2-8f_Label Orientation { 0.0 0.0 -162.0 deg }
61-2-8f_Label RelativeEntity { 61-2-8f }
61-2-8f_Label Show { TRUE }
61-2-8f_Label TextHeight { 0.1 m }
61-2-8f_Label TargetEntity { 61-2-8f }

61-2-8g_Label Position { 0.4 0.8 0.0 m }
61-2-8g_Label Size { 0.1 0.2 0.0 m }
61-2-8g_Label Orientation { 0.0 0.0 74.0 deg }
61-2-8g_Label RelativeEntity { 61-2-8g }
61-2-8g_Label Show { TRUE }
61-2-8g_Label TextHeight { 0.1 m }
61-2-8g_Label TargetEntity { 61-2-8g }

61-2-8h_Label Position { -1.4 -0.0 0.0 m }
61-2-8h_Label Size { 0.1 0.2 0.0 m }

61-2-8h_Label Orientation { 0.0 0.0 -103.0 deg }
61-2-8h_Label RelativeEntity { 61-2-8h }
61-2-8h_Label Show { TRUE }
61-2-8h_Label TextHeight { 0.1 m }
61-2-8h_Label TargetEntity { 61-2-8h }

61-2-8i_Label Position { -0.3 0.2 0.0 m }
61-2-8i_Label Size { 0.1 0.2 0.0 m }
61-2-8i_Label Orientation { 0.0 0.0 163.0 deg }
61-2-8i_Label RelativeEntity { 61-2-8i }
61-2-8i_Label Show { TRUE }
61-2-8i_Label TextHeight { 0.1 m }
61-2-8i_Label TargetEntity { 61-2-8i }

61-2-8j_Label Position { -1.7 -2.4 0.0 m }
61-2-8j_Label Size { 0.1 0.2 0.0 m }
61-2-8j_Label Orientation { 0.0 0.0 -12.0 deg }
61-2-8j_Label RelativeEntity { 61-2-8j }
61-2-8j_Label Show { TRUE }
61-2-8j_Label TextHeight { 0.1 m }
61-2-8j_Label TargetEntity { 61-2-8j }

Allocate_Resource_Label Position { 0.0 -0.65 0.0 m }
Allocate_Resource_Label Size { 2.025399 0.3 0.0 m }
Allocate_Resource_Label RelativeEntity { Allocate_Resource }
Allocate_Resource_Label Show { TRUE }
Allocate_Resource_Label TargetEntity { Allocate_Resource }

Assign_Req_Properties_Label Position { 0.0 -0.65 0.0 m }
Assign_Req_Properties_Label Size { 2.500731 0.3 0.0 m }
Assign_Req_Properties_Label RelativeEntity { Assign_Req_Properties }
Assign_Req_Properties_Label Show { TRUE }
Assign_Req_Properties_Label TargetEntity { Assign_Req_Properties }

Assign_to_Allocate_Label Position { -1.4 -0.3 0.0 m }
Assign_to_Allocate_Label Size { 2.086137 0.3 0.0 m }
Assign_to_Allocate_Label RelativeEntity { Assign_to_Allocate }
Assign_to_Allocate_Label Show { FALSE }
Assign_to_Allocate_Label TargetEntity { Assign_to_Allocate }

B1_R1_Label Position { -0.402494 0.35 0.0 m }
B1_R1_Label Size { 0.821609 0.3 0.0 m }
B1_R1_Label RelativeEntity { B1_R1 }
B1_R1_Label Show { FALSE }
B1_R1_Label TargetEntity { B1_R1 }

B1_R4_Label Position { 0.7 -0.2 0.0 m }
B1_R4_Label Size { 0.821609 0.3 0.0 m }
B1_R4_Label RelativeEntity { B1_R4 }
B1_R4_Label Show { TRUE }
B1_R4_Label TargetEntity { B1_R4 }

B1_R5_Label Position { 0.2 -0.3 0.0 m }
B1_R5_Label Size { 0.821609 0.3 0.0 m }
B1_R5_Label RelativeEntity { B1_R5 }
B1_R5_Label Show { TRUE }
B1_R5_Label TargetEntity { B1_R5 }

B1_R8_Label Position { 0.0 -0.4 0.0 m }
B1_R8_Label Size { 0.821609 0.3 0.0 m }
B1_R8_Label RelativeEntity { B1_R8 }
B1_R8_Label Show { TRUE }
B1_R8_Label TargetEntity { B1_R8 }

B2_R1_Label Position { -0.5 0.3 0.0 m }
B2_R1_Label Size { 0.821609 0.3 0.0 m }
B2_R1_Label Orientation { 0.0 0.0 -7.0 deg }
B2_R1_Label RelativeEntity { B2_R1 }
B2_R1_Label Show { TRUE }
B2_R1_Label TargetEntity { B2_R1 }

B2_R4_Label Position { 0.3 -0.2 0.0 m }
B2_R4_Label Size { 0.1 0.2 0.0 m }
B2_R4_Label RelativeEntity { B2_R4 }
B2_R4_Label Show { FALSE }
B2_R4_Label TextHeight { 0.1 m }
B2_R4_Label TargetEntity { B2_R4 }

B2_R8_Label Position { 0.4 -0.2 0.0 m }
B2_R8_Label Size { 0.1 0.2 0.0 m }
B2_R8_Label RelativeEntity { B2_R8 }
B2_R8_Label Show { TRUE }
B2_R8_Label TextHeight { 0.1 m }
B2_R8_Label TargetEntity { B2_R8 }

C1RouteNo_Label Position { 0.0 -0.65 0.0 m }
C1RouteNo_Label Size { 1.296642 0.3 0.0 m }
C1RouteNo_Label RelativeEntity { C1RouteNo }
C1RouteNo_Label Show { TRUE }
C1RouteNo_Label TargetEntity { C1RouteNo }

C1_DeadheadTime_Label Position { 0.0 -0.65 0.0 m }

C1_DeadheadTime_Label Size { 2.084441 0.3 0.0 m }
C1_DeadheadTime_Label RelativeEntity { C1_DeadheadTime }
C1_DeadheadTime_Label Show { TRUE }
C1_DeadheadTime_Label TargetEntity { C1_DeadheadTime }

C1_LeadTime_Label Position { 0.0 -0.65 0.0 m }
C1_LeadTime_Label Size { 1.539894 0.3 0.0 m }
C1_LeadTime_Label RelativeEntity { C1_LeadTime }
C1_LeadTime_Label Show { TRUE }
C1_LeadTime_Label TargetEntity { C1_LeadTime }

C1_Route_Assign_Label Position { 0.0 -0.65 0.0 m }
C1_Route_Assign_Label Size { 1.944614 0.3 0.0 m }
C1_Route_Assign_Label RelativeEntity { C1_Route_Assign }
C1_Route_Assign_Label Show { TRUE }
C1_Route_Assign_Label TargetEntity { C1_Route_Assign }

C1_ServiceTime_Label Position { 0.0 -0.65 0.0 m }
C1_ServiceTime_Label Size { 1.808078 0.3 0.0 m }
C1_ServiceTime_Label RelativeEntity { C1_ServiceTime }
C1_ServiceTime_Label Show { TRUE }
C1_ServiceTime_Label TargetEntity { C1_ServiceTime }

C1_WaitTime_Label Position { 0.0 -0.65 0.0 m }
C1_WaitTime_Label Size { 1.515758 0.3 0.0 m }
C1_WaitTime_Label RelativeEntity { C1_WaitTime }
C1_WaitTime_Label Show { TRUE }
C1_WaitTime_Label TargetEntity { C1_WaitTime }

C2RouteNo_Label Position { 0.0 -0.65 0.0 m }
C2RouteNo_Label Size { 1.296642 0.3 0.0 m }
C2RouteNo_Label RelativeEntity { C2RouteNo }
C2RouteNo_Label Show { TRUE }
C2RouteNo_Label TargetEntity { C2RouteNo }

C2_DeadheadTime_Label Position { 0.0 -0.65 0.0 m }
C2_DeadheadTime_Label Size { 2.084441 0.3 0.0 m }
C2_DeadheadTime_Label RelativeEntity { C2_DeadheadTime }
C2_DeadheadTime_Label Show { TRUE }
C2_DeadheadTime_Label TargetEntity { C2_DeadheadTime }

C2_LeadTime_Label Position { 0.0 -0.65 0.0 m }
C2_LeadTime_Label Size { 1.539894 0.3 0.0 m }
C2_LeadTime_Label RelativeEntity { C2_LeadTime }
C2_LeadTime_Label Show { TRUE }
C2_LeadTime_Label TargetEntity { C2_LeadTime }

C2_Route_Assign_Label Position { 0.0 -0.65 0.0 m }
C2_Route_Assign_Label Size { 1.944614 0.3 0.0 m }
C2_Route_Assign_Label RelativeEntity { C2_Route_Assign }
C2_Route_Assign_Label Show { TRUE }
C2_Route_Assign_Label TargetEntity { C2_Route_Assign }

C2_ServiceTime_Label Position { 0.1 -0.7 0.0 m }
C2_ServiceTime_Label Size { 1.808078 0.3 0.0 m }
C2_ServiceTime_Label RelativeEntity { C2_ServiceTime }
C2_ServiceTime_Label Show { TRUE }
C2_ServiceTime_Label TargetEntity { C2_ServiceTime }

C3RouteNo_Label Position { 0.0 -0.65 0.0 m }
C3RouteNo_Label Size { 1.296642 0.3 0.0 m }
C3RouteNo_Label RelativeEntity { C3RouteNo }
C3RouteNo_Label Show { TRUE }
C3RouteNo_Label TargetEntity { C3RouteNo }

C3_LeadTime_Label Position { 0.0 -0.65 0.0 m }
C3_LeadTime_Label Size { 1.539894 0.3 0.0 m }
C3_LeadTime_Label RelativeEntity { C3_LeadTime }
C3_LeadTime_Label Show { TRUE }
C3_LeadTime_Label TargetEntity { C3_LeadTime }

C3_Route_Assign_Label Position { 0.0 -0.65 0.0 m }
C3_Route_Assign_Label Size { 1.944614 0.3 0.0 m }
C3_Route_Assign_Label RelativeEntity { C3_Route_Assign }
C3_Route_Assign_Label Show { TRUE }
C3_Route_Assign_Label TargetEntity { C3_Route_Assign }

ClassIII_SerReqGen_Label Position { 0.0 -0.65 0.0 m }
ClassIII_SerReqGen_Label Size { 2.220678 0.3 0.0 m }
ClassIII_SerReqGen_Label RelativeEntity { ClassIII_SerReqGen }
ClassIII_SerReqGen_Label Show { TRUE }
ClassIII_SerReqGen_Label TargetEntity { ClassIII_SerReqGen }

ClassII_SerReqGen_Label Position { 0.0 -0.65 0.0 m }
ClassII_SerReqGen_Label Size { 2.134707 0.3 0.0 m }
ClassII_SerReqGen_Label RelativeEntity { ClassII_SerReqGen }
ClassII_SerReqGen_Label Show { TRUE }
ClassII_SerReqGen_Label TargetEntity { ClassII_SerReqGen }

ClassI_SerReqGen_Label Position { -0.0 -0.6 0.0 m }
ClassI_SerReqGen_Label Size { 2.048737 0.3 0.0 m }
ClassI_SerReqGen_Label RelativeEntity { ClassI_SerReqGen }


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ClassI_SerReqGen_Label Show { TRUE }
ClassI_SerReqGen_Label TargetEntity { ClassI_SerReqGen }

Class_Graphic_to_Assign_Label Position { -4.2 -1.4 0.0 m }
Class_Graphic_to_Assign_Label Size { 2.730419 0.3 0.0 m }
Class_Graphic_to_Assign_Label RelativeEntity { Class_Graphic_to_Assign }
Class_Graphic_to_Assign_Label Show { FALSE }
Class_Graphic_to_Assign_Label TargetEntity { Class_Graphic_to_Assign }

Crane_Unit_Map1_Label Position { 0.0 -0.65 0.0 m }
Crane_Unit_Map1_Label Size { 1.980319 0.3 0.0 m }
Crane_Unit_Map1_Label RelativeEntity { Crane_Unit_Map1 }
Crane_Unit_Map1_Label Show { FALSE }
Crane_Unit_Map1_Label TargetEntity { Crane_Unit_Map1 }

Exit_router_Label Position { -3.6 -0.3 0.0 m }
Exit_router_Label Size { 1.296144 0.3 0.0 m }
Exit_router_Label RelativeEntity { Exit_router }
Exit_router_Label Show { TRUE }
Exit_router_Label TargetEntity { Exit_router }

Feedback_to_sub_op1a_Label Position { 2.5 9.1 0.0 m }
Feedback_to_sub_op1a_Label Size { 2.575931 0.3 0.0 m }
Feedback_to_sub_op1a_Label Orientation { 0.0 0.0 91.0 deg }
Feedback_to_sub_op1a_Label RelativeEntity { Feedback_to_sub_op1a }
Feedback_to_sub_op1a_Label Show { TRUE }
Feedback_to_sub_op1a_Label TargetEntity { Feedback_to_sub_op1a }

Feedback_to_sub_op1b_Label Position { -0.2 0.2 0.0 m }
Feedback_to_sub_op1b_Label Size { 2.580519 0.3 0.0 m }
Feedback_to_sub_op1b_Label Orientation { 0.0 0.0 90.0 deg }
Feedback_to_sub_op1b_Label RelativeEntity { Feedback_to_sub_op1b }
Feedback_to_sub_op1b_Label Show { FALSE }
Feedback_to_sub_op1b_Label TargetEntity { Feedback_to_sub_op1b }

Feedback_to_sub_op2_Label Position { 13.1 8.2 0.0 m }
Feedback_to_sub_op2_Label Size { 2.453258 0.3 0.0 m }
Feedback_to_sub_op2_Label RelativeEntity { Feedback_to_sub_op2 }
Feedback_to_sub_op2_Label Show { FALSE }
Feedback_to_sub_op2_Label TargetEntity { Feedback_to_sub_op2 }

Feedback_to_sub_op3_Label Position { -6.9 1.3 0.0 m }
Feedback_to_sub_op3_Label Size { 2.453258 0.3 0.0 m }
Feedback_to_sub_op3_Label Orientation { 0.0 0.0 90.0 deg }
Feedback_to_sub_op3_Label RelativeEntity { Feedback_to_sub_op3 }
Feedback_to_sub_op3_Label Show { FALSE }

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Feedback_to_sub_op3_Label TargetEntity { Feedback_to_sub_op3 }

MimicEntity2_Label Position { 0.1 -0.5 0.0 m }
MimicEntity2_Label Size { 1.5 0.3 0.0 m }
MimicEntity2_Label RelativeEntity { MimicEntity2 }
MimicEntity2_Label Show { FALSE }
MimicEntity2_Label TargetEntity { MimicEntity2 }

MimicEntity3_Label Position { -0.1 -0.5 0.0 m }
MimicEntity3_Label Size { 1.465492 0.3 0.0 m }
MimicEntity3_Label RelativeEntity { MimicEntity3 }
MimicEntity3_Label Show { FALSE }
MimicEntity3_Label TargetEntity { MimicEntity3 }

MimicEntity4_Label Position { 0.0 -0.65 0.0 m }
MimicEntity4_Label Size { 1.465492 0.3 0.0 m }
MimicEntity4_Label RelativeEntity { MimicEntity4 }
MimicEntity4_Label Show { FALSE }
MimicEntity4_Label TargetEntity { MimicEntity4 }

MimicEntity5_Label Position { 0.0 -0.8 0.0 m }
MimicEntity5_Label Size { 1.465492 0.3 0.0 m }
MimicEntity5_Label RelativeEntity { MimicEntity5 }
MimicEntity5_Label Show { FALSE }
MimicEntity5_Label TargetEntity { MimicEntity5 }

MimicEntity6_Label Position { 0.0 -0.5 0.0 m }
MimicEntity6_Label Size { 1.465492 0.3 0.0 m }
MimicEntity6_Label RelativeEntity { MimicEntity6 }
MimicEntity6_Label Show { FALSE }
MimicEntity6_Label TargetEntity { MimicEntity6 }

PlowTruck_Label Position { 0.0 -0.65 0.0 m }
PlowTruck_Label Size { 1.189927 0.3 0.0 m }
PlowTruck_Label RelativeEntity { PlowTruck }
PlowTruck_Label Show { TRUE }
PlowTruck_Label TargetEntity { PlowTruck }

Reassign_Byepass_Label Position { 2.1 1.8 0.0 m }
Reassign_Byepass_Label Size { 2.036968 0.3 0.0 m }
Reassign_Byepass_Label Orientation { 0.0 0.0 90.0 deg }
Reassign_Byepass_Label RelativeEntity { Reassign_Byepass }
Reassign_Byepass_Label Show { FALSE }
Reassign_Byepass_Label TargetEntity { Reassign_Byepass }

Reassign_Priority_Label Position { 0.0 -0.65 0.0 m }

Reassign_Priority_Label Size { 1.926562 0.3 0.0 m }
Reassign_Priority_Label RelativeEntity { Reassign_Priority }
Reassign_Priority_Label Show { FALSE }
Reassign_Priority_Label TargetEntity { Reassign_Priority }

Release_Resource_Label Position { 0.0 -0.65 0.0 m }
Release_Resource_Label Size { 2.010638 0.3 0.0 m }
Release_Resource_Label RelativeEntity { Release_Resource }
Release_Resource_Label Show { TRUE }
Release_Resource_Label TargetEntity { Release_Resource }

ReqGenRegulator_Label Position { 0.0 -0.4 0.0 m }
ReqGenRegulator_Label Size { 1.940824 0.3 0.0 m }
ReqGenRegulator_Label RelativeEntity { ReqGenRegulator }
ReqGenRegulator_Label Show { FALSE }
ReqGenRegulator_Label TargetEntity { ReqGenRegulator }

RequestComplete_Label Position { 0.0 -0.65 0.0 m }
RequestComplete_Label Size { 1.951197 0.3 0.0 m }
RequestComplete_Label RelativeEntity { RequestComplete }
RequestComplete_Label Show { TRUE }
RequestComplete_Label TargetEntity { RequestComplete }

Reset_Graphic_Label Position { 0.0 -0.65 0.0 m }
Reset_Graphic_Label Size { 1.639328 0.3 0.0 m }
Reset_Graphic_Label RelativeEntity { Reset_Graphic }
Reset_Graphic_Label Show { TRUE }
Reset_Graphic_Label TargetEntity { Reset_Graphic }

Resource_Queue_Label Position { 0.0 -0.4 0.0 m }
Resource_Queue_Label Size { 1.881084 0.3 0.0 m }
Resource_Queue_Label RelativeEntity { Resource_Queue }
Resource_Queue_Label Show { TRUE }
Resource_Queue_Label TargetEntity { Resource_Queue }

Ressign_Cur_op_Label Position { 0.0 -0.4 0.0 m }
Ressign_Cur_op_Label Size { 0.2 0.4 0.0 m }
Ressign_Cur_op_Label RelativeEntity { Resign_Cur_op }
Ressign_Cur_op_Label Show { FALSE }
Ressign_Cur_op_Label TextHeight { 0.2 m }
Ressign_Cur_op_Label TargetEntity { Resign_Cur_op }

Route1_end_assign_Label Position { -0.9 -0.1 0.0 m }
Route1_end_assign_Label Size { 0.1 0.2 0.0 m }
Route1_end_assign_Label Orientation { 0.0 0.0 7.0 deg }
Route1_end_assign_Label RelativeEntity { Route1_end_assign }

Route1_end_assign_Label Show { FALSE }
Route1_end_assign_Label TextHeight { 0.1 m }
Route1_end_assign_Label TargetEntity { Route1_end_assign }

Route2_5_end_assign_Label Position { 0.7 -0.2 0.0 m }
Route2_5_end_assign_Label Size { 0.1 0.2 0.0 m }
Route2_5_end_assign_Label Orientation { 0.0 0.0 2.0 deg }
Route2_5_end_assign_Label RelativeEntity { Route2_5_end_assign }
Route2_5_end_assign_Label Show { TRUE }
Route2_5_end_assign_Label TextHeight { 0.1 m }
Route2_5_end_assign_Label TargetEntity { Route2_5_end_assign }

Route2_end_assign_Label Position { -0.5 -0.4 0.0 m }
Route2_end_assign_Label Size { 0.1 0.2 0.0 m }
Route2_end_assign_Label Orientation { 0.0 0.0 0.0 deg }
Route2_end_assign_Label RelativeEntity { Route2_end_assign }
Route2_end_assign_Label Show { TRUE }
Route2_end_assign_Label TextHeight { 0.1 m }
Route2_end_assign_Label TargetEntity { Route2_end_assign }

Router_End_Label Position { 0.7 -0.2 0.0 m }
Router_End_Label Size { 1.3501 0.3 0.0 m }
Router_End_Label RelativeEntity { Router_End }
Router_End_Label Show { TRUE }
Router_End_Label TargetEntity { Router_End }

Router_Start_Label Position { -0.7 -0.2 0.0 m }
Router_Start_Label Size { 1.474867 0.3 0.0 m }
Router_Start_Label RelativeEntity { Router_Start }
Router_Start_Label Show { TRUE }
Router_Start_Label TargetEntity { Router_Start }

RunInputs_Label Position { 0.0 -0.65 0.0 m }
RunInputs_Label Size { 1.209176 0.3 0.0 m }
RunInputs_Label RelativeEntity { RunInputs }
RunInputs_Label Show { TRUE }
RunInputs_Label TargetEntity { RunInputs }

SaltTruck_Label Position { 0.0 -0.65 0.0 m }
SaltTruck_Label Size { 1.118418 0.3 0.0 m }
SaltTruck_Label RelativeEntity { SaltTruck }
SaltTruck_Label Show { TRUE }
SaltTruck_Label TargetEntity { SaltTruck }

ServiceReq_Label Position { -0.1 -0.4 0.0 m }
ServiceReq_Label Size { 1.5 0.3 0.0 m }

```

ServiceReq_Label RelativeEntity { ServiceReq }
ServiceReq_Label Show { TRUE }
ServiceReq_Label TargetEntity { ServiceReq }

Set_Class_Graphic_Label Position { 0.0 -0.6 0.0 m }
Set_Class_Graphic_Label Size { 2.072872 0.3 0.0 m }
Set_Class_Graphic_Label RelativeEntity { Set_Class_Graphic }
Set_Class_Graphic_Label Show { TRUE }
Set_Class_Graphic_Label TargetEntity { Set_Class_Graphic }

Set_Truck_Graphic_Label Position { 0.0 -0.65 0.0 m }
Set_Truck_Graphic_Label Size { 2.108278 0.3 0.0 m }
Set_Truck_Graphic_Label RelativeEntity { Set_Truck_Graphic }
Set_Truck_Graphic_Label Show { TRUE }
Set_Truck_Graphic_Label TargetEntity { Set_Truck_Graphic }

Stat_Analysis_Branch_Label Position { -0.3 -0.7 0.0 m }
Stat_Analysis_Branch_Label Size { 2.38514 0.3 0.0 m }
Stat_Analysis_Branch_Label RelativeEntity { Stat_Analysis_Branch }
Stat_Analysis_Branch_Label Show { TRUE }
Stat_Analysis_Branch_Label TargetEntity { Stat_Analysis_Branch }

Stat_to_Sink_Label Position { 1.3 -0.2 0.0 m }
Stat_to_Sink_Label Size { 1.483245 0.3 0.0 m }
Stat_to_Sink_Label RelativeEntity { Stat_to_Sink }
Stat_to_Sink_Label Show { FALSE }
Stat_to_Sink_Label TargetEntity { Stat_to_Sink }

Truck_Graphic_to_Router_Label Position { 0.5 -5.7 0.0 m }
Truck_Graphic_to_Router_Label Size { 2.785372 0.3 0.0 m }
Truck_Graphic_to_Router_Label RelativeEntity { Truck_Graphic_to_Router }
Truck_Graphic_to_Router_Label Show { FALSE }
Truck_Graphic_to_Router_Label TargetEntity { Truck_Graphic_to_Router }

# *** MimicEntity ***

MimicEntity2 Position { -26.4 -1.4 0.0 m }
MimicEntity2 Size { 0.4 0.4 0.0 m }
MimicEntity2 DisplayModel { Rectangle }

MimicEntity3 Position { -27.6 -1.4 0.0 m }
MimicEntity3 Size { 0.5 0.5 1.0 m }
MimicEntity3 DisplayModel { Heptagram }

MimicEntity4 Position { -25.2 -2.6 0.0 m }
MimicEntity4 Size { 1.070899 0.800000 1.0 m }

```

```

MimicEntity4 DisplayModel { truck-model }

MimicEntity5 Position { -26.9 -2.6 0.0 m }
MimicEntity5 Size { 1.5 0.8 1.0 m }
MimicEntity5 DisplayModel { truck-4-model }

MimicEntity6 Position { -29.1 -1.4 0.0 m }
MimicEntity6 Size { 0.5 0.5 0.0 m }
MimicEntity6 DisplayModel { Hexagon }

# *** OverlayClock ***

Clock Description { 'Simulation date and time' }
Clock ScreenPosition { 15 15 }
Clock AlignBottom { TRUE }
Clock TextHeight { 10 }
Clock FontColour { gray20 }
Clock FontStyle { ITALIC }
Clock DateFormat { 'yyyy-MMM-dd HH:mm:ss.SSS' }

# *** OverlayText ***

Title Description { 'Title for the simulation model' }
Title ScreenPosition { 15 15 }
Title Format { Winter_Operations }
Title TextHeight { 18 }
Title FontColour { 150 23 46 }
Title FontStyle { BOLD }

# *** Text ***

Text1 Position { -25.6 5.0 0.0 m }
Text1 Size { 9.0 4.1 1.0 m }

Text2 Position { -2.8 -0.7 0.0 m }
Text2 Size { 2.0 0.5 1.0 m }
Text2 TextHeight { 0.2 m }
Text2 Format { 'Deployed:%.0f / 6' }
Text2 DataSource { [SaltTruck].UnitsInUse }

Text3 Position { -0.2 -0.7 0.0 m }
Text3 Size { 2.6 0.5 1.0 m }
Text3 TextHeight { 0.2 m }
Text3 Format { 'Deployed:%.0f / 6' }
Text3 DataSource { [PlowTruck].UnitsInUse }

```

Text4 Position { -37.8 4.5 0.0 m }
 Text4 Size { 9.4 1.0 1.0 m }
 Text4 Format { 'Weather Event Code[User Input 1-4/5-8/9-13/14-18/19-23/24-27] : ' }

Text5 Position { -40.2 3.5 0.0 m }
 Text5 Alignment { 0.18 }
 Text5 Size { 7.2 1.1 1.0 m }
 Text5 Format { 'Weather Event: %s' }
 Text5 DataSource { [RunInputs].WeatherEvent }

Text6 Position { -40.1 2.5 0.0 m }
 Text6 Alignment { 0.18 }
 Text6 Size { 7.6 1.0 1.0 m }
 Text6 Format { 'Pavement Temperature: %s' }
 Text6 DataSource { [RunInputs].TempRange }

Text7 Position { -40.9 1.5 0.0 m }
 Text7 Size { 9.4 1.0 1.0 m }
 Text7 Format { 'Truck Speed - [Service Speed in mph] : ' }

*** View ***

View1 Description { 'Default view window' }
 View1 ViewCenter { -0.908898 -2.655262 -68.608125 m }
 View1 ViewPosition { -0.908898 -2.655262 17.555623 m }
 View1 WindowSize { 1700 680 }
 View1 WindowPosition { 219 112 }
 View1 ShowWindow { TRUE }
 View1 Lock2D { TRUE }
 View1 SkyboxImage { <res>/images/sky_map_2048x1024.jpg }

D.3 RunInputs Table (.txt)

INDOT Winter Operations
 # "0 ==> None Required,1 ==> Apply Liquid or Prewetted Salt, 2 ==> Plow as required"

#	Initial Operation	Initial Operation	Subsequent Operation	Subsequent	
# Weather Event	Pavement Temperature Range and Trend	Maintenance	Maintenance	Required?	
	Salt Spread Rate	Maintenance Required?	Salt Spread Rate		
#	(lb/LM)	(lb/LM)			
'Light Snow Storm'	'Above 32°'	0	0	0	
'Light Snow Storm'	'20 to 32°'	1	100	2	100
'Light Snow Storm'	'15 to 20°'	1	200	2	200
'Light Snow Storm'	'Below 15°'	2	250	2	250

'Light Snow Storm with Periods of Moderate or Heavy Snow'	'Above 32°'	0	0	0	0
0 0					
'Light Snow Storm with Periods of Moderate or Heavy Snow'	'25 to 32°'	1	100	2	100
2 200					
'Light Snow Storm with Periods of Moderate or Heavy Snow'	'15 to 25°'	1	200	2	200
2 250					
'Light Snow Storm with Periods of Moderate or Heavy Snow'	'Below 15°'	2	250	2	250
2 250					
'Moderate or Heavy Snow Storm'	'Above 32°'	0	0	0	0
'Moderate or Heavy Snow Storm'	'30 to 32°'	1	100	2	100
'Moderate or Heavy Snow Storm'	'25 to 30°'	1	200	2	200
'Moderate or Heavy Snow Storm'	'15 to 25°'	1	200	2	250
'Moderate or Heavy Snow Storm'	'Below 15°'	2	250	2	250
'Frost or Black Ice'	'Above 32°'	0	0	0	0
'Frost or Black Ice'	'28 to 32°'	1	65	1	65
'Frost or Black Ice'	'20 to 28°'	1	130	1	130
'Frost or Black Ice'	'15 to 20°'	1	200	1	200
'Frost or Black Ice'	'Below 15°'	1	250	1	250
'Freezing Rain Storm'	'Above 32°'	0	0	0	0
'Freezing Rain Storm'	'28 to 32°'	1	65	1	65
'Freezing Rain Storm'	'20 to 28°'	1	130	1	130
'Freezing Rain Storm'	'15 to 20°'	1	200	1	200
'Freezing Rain Storm'	'Below 15°'	1	250	1	250
'Sleet Storm'	'Above 32°'	1	125	2	125
'Sleet Storm'	'28 to 32°'	1	325	2	325
'Sleet Storm'	'15 to 28°'	1	400	2	400
'Sleet Storm'	'Below 15°'	2	400	2	400

About the Joint Transportation Research Program (JTRP)

On March 11, 1937, the Indiana Legislature passed an act which authorized the Indiana State Highway Commission to cooperate with and assist Purdue University in developing the best methods of improving and maintaining the highways of the state and the respective counties thereof. That collaborative effort was called the Joint Highway Research Project (JHRP). In 1997 the collaborative venture was renamed as the Joint Transportation Research Program (JTRP) to reflect the state and national efforts to integrate the management and operation of various transportation modes.

The first studies of JHRP were concerned with Test Road No. 1 — evaluation of the weathering characteristics of stabilized materials. After World War II, the JHRP program grew substantially and was regularly producing technical reports. Over 1,600 technical reports are now available, published as part of the JHRP and subsequently JTRP collaborative venture between Purdue University and what is now the Indiana Department of Transportation.

Free online access to all reports is provided through a unique collaboration between JTRP and Purdue Libraries. These are available at <http://docs.lib.purdue.edu/jtrp>.

Further information about JTRP and its current research program is available at <http://www.purdue.edu/jtrp>.

About This Report

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