



SD Department of Transportation  
Office of Research

# South Dakota City Street Needs Assessment

## FINAL REPORT

Prepared for:

South Dakota  
Department of Transportation

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<p>16. Abstract</p> <p>This report identifies the current and forecasted 20-year funding needs necessary to maintain the State of South Dakota's existing Federal-aid non-state city streets. This study was sponsored by the South Dakota Department of Transportation (SDDOT) as a result of the requirements of the Intermodal Surface Transportation Efficiency Act (ISTEA) passed by the United States Congress in 1991.</p> <p>Included in this study were interviews with representatives from several South Dakota cities, the SDDOT, and the Federal Highway Administration. The development of a series of guidelines was also performed as part of this study. The guidelines consist of a <i>Pavement Condition Survey Guide</i>, a <i>Pavement Design, Maintenance, and Rehabilitation Guide</i>, and a <i>Pavement Management Guide</i>. These guides are included in separate documents. The <i>Pavement Condition Survey Guide</i> was also utilized to survey a representative sample of South Dakota's city streets and obtain an indication of their current condition.</p> <p>The funding needs for South Dakota's city streets were determined using the results of the pavement condition surveys, the <i>Pavement Design, Maintenance, and Rehabilitation Guide</i>, and the <i>Pavement Maintenance Guide</i>. The results of this study indicate that the State of South Dakota needs approximately \$113,000,000 over the next 20 years to maintain its existing 414.6 miles of Federal-aid non-state city streets.</p>					
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## EXECUTIVE SUMMARY

In 1991, the United States Congress passed the Intermodal Surface Transportation Efficiency Act (ISTEA). As part of that Act, states are required to develop standards for roadway design and maintenance. Under ISTEA, metropolitan planning organizations (MPOs) are also required to develop a long-range transportation plan and transportation improvement plan (TIP) for pavements under their jurisdiction. Furthermore, roadway needs must be identified by the use of a pavement management system (PMS).

In addition to the impact of the ISTEA legislation on the State's activities, South Dakota also has an established Community Access Grant Program (CAGP) which, as part of its responsibilities, provides funding for street repairs and improvements. In order to establish a fair project selection process, uniform guidelines for street construction and maintenance are needed.

As a result of the ISTEA and the CAGP requirements, and the State of South Dakota's desire to meet these requirements and remain eligible for Federal funding, the SDDOT requested that ERES Consultants, Inc. (ERES) conduct a study to accomplish the following:

1. Develop roadway design and maintenance guidelines and identify costs for each of the various construction and maintenance options.
2. Develop a straightforward methodology for assessing statewide and individual city street needs.
3. Assess current and 20-year statewide planning needs for Federal-aid, non-state trunk streets.

In order to achieve these objectives, the following were accomplished:

- Interviews with selected South Dakota representatives to identify current practices.
- Development of three guidelines to standardize practices in South Dakota:
  1. *Pavement Condition Survey Guide*
  2. *Pavement Design, Maintenance, and Rehabilitation Guide*
  3. *Pavement Management Guide*
- Cities included in the study evaluated current conditions of representative samples of the Federal-aid, non-state trunk city streets and a quality control of the surveys was performed.

## INTRODUCTION

The City Street Needs Assessment project is sponsored by the South Dakota Department of Transportation (SDDOT). The general purpose of the study is to determine the current and 20-year forecasted funding needs for the Federal-aid, non-state trunk city streets in South Dakota and to provide city street design, maintenance, and management guidelines to the communities of South Dakota. The study fulfills two primary goals of the SDDOT. First, the study addresses the requirements for receipt of Federal funding, as outlined in the Intermodal Surface Transportation Efficiency Act (ISTEA). Second, the study provides a valuable transfer of technology to the communities of South Dakota.

ISTEA was passed by the United States Congress in 1991. The purpose of ISTEA is clearly articulated in its statement of policy: *to develop a National Intermodal Transportation System that is economically efficient, environmentally sound, provides the foundation for the Nation to compete in the global economy, and will move people and goods in an energy efficient manner.* The Act contains many provisions that address a wide range of transportation-related facilities. However, several of these provisions specifically address Federal-aid, non-state trunk urban streets and Federal funding for these streets. Most importantly, the Act gives the State and local governments more flexibility and responsibility in determining solutions to transportation problems and in selecting the tools (i.e., management systems) to help solve these problems.

The Surface Transportation Program (STP) is a block grant program that may be used by State and local agencies for any roads, including the National Highway System (NHS), that are not functionally classified as local or rural minor collector roads. The eligible roads are now collectively referred to as Federal-aid roads. The eligibility for funding for these roads hinges on the agency's fulfillment of the ISTEA requirements.

ISTEA requires that states develop standards for roadway design and maintenance, and that all non-NHS projects be constructed in accordance with these standards. ISTEA regulations also require that the metropolitan planning organization (MPO) develop a long-range transportation plan and a transportation improvement program (TIP) for a given area. The MPO must also have the area's roadway needs identified via the use of a pavement management system.

Provision of funds to a local agency for use on Federal-aid, non-state trunk city streets is also regulated by ISTEA. ISTEA requires that a statewide transportation plan, which includes these city streets, be prepared. In addition, a pavement management system-generated needs assessment must be performed for these streets.

The State of South Dakota also has an established Community Access Grant Program (CAGP) which, as part of its activities, provides funding for street repairs

The results of these tasks are summarized in this report. As noted above, a series of three guidelines was developed as part of this project. Each one of these guidelines is contained in a separate document.

## INTERVIEWS

As part of this project, interviews were conducted with personnel from several South Dakota cities, the SDDOT, the FHWA, and the South Dakota Community Access Grant Program. The interviews were conducted by ERES' Principal Investigator and SDDOT's Project Manager. In addition, a meeting with the project's technical panel was conducted. Summaries of these meetings and interviews are provided below.

### City Interviews

Interviews were conducted with personnel from 12 cities located throughout the State. The primary purpose of the interviews was to identify the current pavement design criteria and repair techniques used by the cities, and to obtain an indication of the performance characteristics of South Dakota's city street pavements. A summary of each interview is provided below. For each city, both the design practices and the maintenance and rehabilitation practices are summarized.

#### *Arlington*

Design Practices: The City of Arlington uses the following practices in the design of its streets:

- The typical pavement section for new streets is 4.0 in of asphalt concrete (AC) on an aggregate (gravel) leveling course.
- The City constructs some blotter pavements.
- Curb and gutter is typically provided on new asphalt concrete streets.
- The typical street width is 35 ft (plus curb and gutter), and the typical right-of-way width is 66 ft.
- Typically, on new residential streets, the developer constructs the curb and gutter and places the aggregate (gravel) base, and the City places the asphalt concrete.
- The City does not require the construction of sidewalks.

Maintenance and Rehabilitation Practices: The City of Arlington uses the following practices in the repair of its city streets:

- Crack sealing and chip sealing are the predominant forms of pavement repair that are performed. Asphalt overlays are rarely constructed.

*Custer*

Design Practices: In Custer, the street width and pavement section are determined for each project, and expansive soils are a major concern in the design of the pavement section. The primary pavement type is asphalt, and 20 to 30 years of pavement service life is typical. Curb and gutter has been provided on most of the streets constructed since 1980. Funds for new street construction projects are generated from sales tax revenues.

Maintenance and Rehabilitation Practices: In general, pavement repairs are made on an as-needed basis. A special emphasis is placed on streets with curb and gutter and streets that serve high traffic volumes. Many of Custer's streets are severely deteriorated and require major rehabilitation. The primary pavement repair techniques used by the City of Custer include crack sealing, pothole patching, and chip sealing. A somewhat unique problem that Custer faces is the occurrence of water springs beneath the pavement.

*Faith*

Design Practices: The vast majority of streets in Faith are residential, and the following design practices are utilized:

- Pavement widths, including curb and gutter, are typically 42 ft.
- The standard pavement section consists of 6 in of aggregate (gravel) base and a blotter surface.
- The blotter surface consists of a double chip seal with 5/8-in chips.
- Main Street, which encounters much greater traffic than the other streets in Faith, has a 2.5 to 3.0 in asphalt concrete mat in place of the blotter surface.

Maintenance and Rehabilitation Practices: The blotter streets in Faith receive chip seals on a 3-year interval. The repair work is funded via revenues from the municipal utilities. The repair techniques used in Faith consist primarily of pothole patching and chip sealing. Crack sealing is typically not performed in Faith.

*Faulkton*

Design Practices: The City of Faulkton uses the following practices in the design of its streets:

- The typical pavement section consists of 6.0 to 8.0 in of aggregate (gravel) base with a blotter surface.
- The typical pavement width is 24 ft, and the right-of-way width is typically 80 ft.
- Curb and gutter exists only along Main Street.

## *Mobridge*

Design Practices: The City of Mobridge typically uses the following design practices:

- The typical pavement section consists of 2.0 to 4.0 in of aggregate (gravel) base with a blotter surface.
- On the more heavily trafficked streets, an asphalt concrete layer is used in place of the blotter surface.
- The subgrade soils in Mobridge typically consist of sandy materials.
- The more newly-constructed streets in Mobridge are 40 ft wide, with a 13-ft wide boulevard.
- The typical right-of-way width in Mobridge is 66 ft.
- Concrete curb and gutter are required on all new streets in Mobridge. Breakup of the pavement edge is a common problem, and it appears to be a result of poor drainage and soft subgrade conditions along the pavement edge. The City feels that the use of curb and gutter will minimize this problem.

Maintenance and Rehabilitation Practices: Chip seals are the primary form of pavement repair used by the City of Mobridge. The chip seals are typically placed on a 6-year cycle and are typically constructed in cooperation with the County. The patching of streets is generally performed on an as-needed basis.

## *Pierre*

Design Practices: The design practices typically used by the City of Pierre are outlined below. Also outlined below are some of the design-related issues that the City faces.

- For new residential streets, the typical pavement section consists of 2.0 in of asphalt concrete on 6.0 in of aggregate base, and the street width is typically 40 ft (curb face to curb face).
- For new collector (and higher-classified) streets, the typical pavement section is 4.0 in of asphalt concrete on 10.0 in of aggregate base. The typical street width used on these streets is 48 ft.
- The City rarely constructs portland cement concrete (PCC) streets.
- Many of the subgrade soils located within Pierre have a high shrink/swell potential.
- The initial cost for residential street construction is incurred by the developer.
- Prior to the 1960s, a vast majority of Pierre's streets did not have curb and gutter.

- Subgrade stabilization has been used on some of the Federally funded projects.
- The typical street width ranges from 32 to 36 ft.
- The typical right-of-way width is 66 ft.
- Sidewalks are typically placed just inside the right-of-way line.

Maintenance and Rehabilitation Practices: In the repair of its streets, the City of Vermillion typically uses the following practices:

- The City currently conducts visual surveys and subjectively identifies which streets need repair.
- The City would like to have a computerized pavement management system.
- The City focuses on minor repairs and maintenance first, then addresses major rehabilitations.
- Significantly deteriorated asphalt concrete streets are reconstructed with PCC.
- The existing asphalt concrete streets receive a chip seal approximately every 8 to 10 years. Quartzite chips are typically used in the chip sealing operation.
- The City seals cracks as soon as they appear.

### **South Dakota Department of Transportation**

Meetings were held with Mr. Rudy Persaud and Ms. Evelyn Putzier to discuss the SDDOT's available inventory data for city streets. During these meetings, two inventory files were identified—the Highway Performance Monitoring System (HPMS) file and the Non-State Trunk Road Inventory (NSTRI) file.

The NSTRI file contains an inventory of every street in the State. In addition, all streets eligible for Federal-aid funding are identified. In the NSTRI file, numerous attributes are identified. However, Mr. Persaud indicated that much of the data in the NSTRI file is outdated and inaccurate.

The HPMS file contains a selected inventory of the roadways eligible for Federal aid. Of particular interest for this project is the non-state trunk city streets portion of the HPMS file. Ms. Putzier indicated that the file is accurate and up-to-date. However, she added that the accuracy of the non-state road data may be questionable. Ms. Putzier also indicated that the mileage of streets classified as Federal-aid, non-state trunk city streets has increased more than 20 percent with the new ISTEA legislation. In a February 2, 1994 meeting with Ms. Putzier, she indicated that the HPMS database had been recently updated.

It should be noted that the accuracy of these databases is not a concern for this study. All of the data used in this study were recently collected by selected cities in South Dakota as part of the study and the data was verified by ERES and the SDDOT. The importance of the databases was the identification of the city streets that were evaluated in this study.



- The identification of proper subgrade preparation techniques.
- The identification of appropriate use of base and subbase layers.
- The development of geometric- and pavement-related guidelines that address the range of traffic volumes and street classifications.

## GUIDELINES

As part of this project, a series of three guidelines was developed for the communities of South Dakota. The primary purpose for the development of these documents was to provide the cities and towns of South Dakota with a uniform set of guidelines for evaluating, designing, repairing, and managing city streets and pavements. The guidelines consist of a *Pavement Condition Survey Guide for City Streets*, a *Pavement Design, Maintenance, and Rehabilitation Guide for City Streets*, and a *Pavement Management Guide for City Streets*. These guidelines are intended to be distributed by the SDDOT to each town and city in South Dakota.

The three guidelines are contained in separate documents. Therefore, a copy of the guidelines is not provided in this document. However, a brief description of each of the three guidelines is provided below.

### *Pavement Condition Survey Guide for City Streets*

The *Pavement Condition Survey Guide for City Streets* was developed to provide an easy, consistent means of assessing city street pavement conditions, both within a community and statewide. Through the use of this guide, the cities and towns of South Dakota can uniformly and objectively rate and compare pavement conditions.

The guide includes an easy-to-use, subjective rating methodology that describes pavement condition ratings from 0 to 100. The guide presents evaluation methodologies for jointed portland cement concrete pavements, asphalt (including blotter-surfaced) pavements, and gravel pavements. In addition to the pavement condition rating, the guide also provides methods for assessing pavement rideability, railroad crossing rideability, rutting, and polished pavement surface conditions.

In order to facilitate the use of the *Pavement Condition Survey Guide for City Streets* by the cities and towns of South Dakota, the guide is contained in a pocket-size (5-1/2 by 8 in) document. In addition, color photographs of pavement distresses and conditions are provided to assist the document user.

Contained within the guide is a simple "paper and pencil" pavement management system that a city or town could immediately implement with relative ease. For those communities that have computer capabilities, a computerized version of this system is also provided on a diskette included with the document. The computerized version should be compatible with most spreadsheet programs (e.g., Lotus 1-2-3 and Microsoft Excel). In addition, the guide also provides information that will allow cities and towns to expand or refine the capabilities of the paper and pencil system.

## **CITY STREET NEEDS ASSESSMENT**

### **Introduction**

One of the major components of this project is the estimation of the current and 20-year statewide city street needs in South Dakota. As previously discussed, one of the requirements of the Intermodal Surface Transportation Efficiency Act is for individual states to determine statewide needs on Federal-aid, non-state trunk city streets.

In order to fulfill this requirement and determine the statewide city street needs, several tasks were performed. These tasks include the identification of a statewide city street network database, interviews with personnel from several cities about their current pavement design and repair practices, identification of applicable SDDOT pavement design and repair standards, evaluation of current city street pavement conditions, and the development of needs assessment models. The three guidelines developed as part of this project were also utilized in determining the city street needs.

The results of the needs assessment were based on the analysis of a selected number of the State's city streets. However, the results were extrapolated to obtain a complete statewide assessment.

### **City Street Database**

As noted above, one of the primary tasks of the needs assessment was the identification of a statewide city street database. The database was necessary so that current pavement attributes, such as pavement type, street width and length, and pavement age, could be easily identified. Without a database, much of this information would be difficult, if not impossible, to accurately obtain. In addition, the use of a database provided significant ease in the transfer of the city street data into a computerized system to perform the needs analysis.

During the initial phases of this project, two separate database files were identified—the Highway Performance Monitoring System (HPMS) file and the Non-

Table 1. Summary of the Total Street Mileage Surveyed in the Study.

Name of City	City Street Mileage (yd <sup>2</sup> ) Included in the Needs Assessment Analysis				
	PCC Streets	AC Streets	Blotter Streets	Gravel Streets	Total
Aberdeen	0.51 (9,222)	6.39 (142,044)	1.25 (25,098)	0 (0)	8.15 (176,364)
Brookings	0 (0)	5.89 (101,165)	0 (0)	0.61 (11,968)	6.50 (113,133)
Huron	0.77 (25,543)	5.33 (126,567)	0.39 (5,491)	0.17 (2,394)	6.66 (159,995)
Madison	0.07 (1,971)	6.26 (117,955)	0.31 (4,365)	0.48 (6,289)	7.12 (130,580)
Mitchell	0.07 (1,643)	3.27 (85,829)	1.53 (21,542)	0 (0)	4.87 (109,014)
Pierre	0 (0)	5.11 (122,074)	0 (0)	0 (0)	5.11 (122,074)
Rapid City	6.81 (207,598)	5.03 (121,440)	6.78 (126,761)	0 (0)	18.62 (455,799)
Sioux Falls	14.24 (396,810)	25.87 (535,932)	0 (0)	1.71 (24,288)	41.82 (957,030)
Spearfish	0 (0)	1.65 (50,688)	0 (0)	0 (0)	1.65 (50,688)
Sturgis	0 (0)	2.26 (43,190)	0.55 (7,591)	0 (0)	2.81 (50,781)
Vermillion	1.53 (33,574)	4.16 (81,007)	0 (0)	0 (0)	5.69 (114,581)
Watertown	0 (0)	4.88 (96,008)	2.13 (54,161)	0 (0)	7.01 (150,169)
Yankton	1.25 (21,050)	5.14 (73,251)	0.70 (9,340)	0 (0)	7.09 (103,641)
<b>TOTALS</b>	<b>25.25 (697,411)</b>	<b>81.24 (1,697,150)</b>	<b>13.64 (254,349)</b>	<b>2.97 (44,939)</b>	<b>123.10 (2,693,849)</b>

Table 3. Summary of Quality Control Inspections Performed by ERES/SDDOT.

City	HPMS Section			Street Width (ft) (1)		Pavement Surface Type	Pavement Condition Rating		Absolute Difference in Condition Rating
	Street Name	From	To	City	ERES/SDDOT		City	ERES/SDDOT	
Aberdeen	3rd Avenue SE	Kline Street	Arch Street	30	30	AC/PCC	80	67	13
	12th Avenue NE	Washington Street	State Street	36	36	AC	90	85	5
	Washington Street	7th Avenue SE	8th Avenue SE	30	30	PCC	80	75	5
	Kline Street	8th Avenue SE	12th Avenue SE	30	30	Triple Seal/PCC	80	72	8
Brookings	Meadary Avenue	US 14B	0.33 mi N	20	20	AC	71	62	9
	Western Ave/FAU 3333	8th Street	6th Street	45	45	PCC	85	81	4
	22nd Avenue	Northern City Limits	18th Street	24	20	Gravel	50	50	0
Huron	7th Street SW	Nevada Avenue	Ohio Avenue	32	32	AC	60	68	8
	Nevada Avenue	Market Road	3rd Street	62	63 (24)	PCC	90	95	5
	Frank Avenue	13th Street	15th Street	40	40 (38)	AC	70	65	5
Madison	2nd Street NE	Washington Ave N.	Lincoln Avenue N.	48	48	PCC	60	57	3
	9th Street NW	Highland Avenue N.	Liberty Avenue N.	26	26	AC	35	35	0
	Center Street E.	Washington Avenue N.	Grant Avenue N.	32	32	AC	65	65	0
	Egan Avenue	1st Street SE	2nd Street NE	40	66 (40)	AC/PCC	85	85	0
	Ollve Avenue N.	8th Street NW	9th street NW	24	24	Gravel	45	45	0
Mitchell	1st Avenue	Kittridge	Hunter	40	40 (20)	PCC	45	55	10
	Burr Street	1st Avenue	Railroad Crossing	48	48	AC	95	93	2
Pierre	Capitol	Highland	Wells	46	46	AC/PCC	68	66	2
	Capitol	Wells	Court Place	40	40	AC	70	70	0
Rapid City	W. Chicago Street	48th Street	S. Canyon Street	32	32	AC	45	45	0
	Soo San Drive	West South St.	Canyon Lake Drive	32	32	AC	87	85	2
	Sheridan Lake Road	W. Flormann St.	Patrick Street	48	48	PCC	98	95	3
	Sheridan Lake Road	Canyon Lake Road	W. Main Street	28	28	AC	55	55	0
	Main Street	Jackson Blvd.	Cross Street	68	68	PCC	86	86	0
	W Blvd	South Street	St. Patrick Street	32	32	AC/PCC	60	60	0
	E. North Street	Herman Street	E. Blvd Street	50	60	AC/PCC	88	85	3

(1) Where two street widths are indicated, the first width represents the total street width (lanes and shoulders) and the number in parenthesis represents the total combined width of the travel lanes.

AC = asphalt concrete      PCC = portland cement concrete

As seen in Table 3, the pavement condition ratings obtained during the ERES/SDDOT quality control inspections were very similar to those obtained during the surveys by the cities. The average difference in the two sets of condition ratings was 2.6 rating point, with a standard deviation of 3.2 rating points. Note that the condition ratings range from 0 to 100, and the ratings were determined using a subjective rating procedure. As outlined in the *Pavement Condition Survey Guide for City Streets*, a 10-point (or less) difference in condition ratings is considered an acceptable difference between raters. As illustrated in Table 3, the maximum difference in ratings for any section was 13 points, and that was the only section where the difference exceeded 10 points.

Based on the results of the QC inspections, it appears that the survey results obtained by the various cities are reasonably accurate and can be used with confidence in the city street needs assessment analysis. Therefore, the results of the city surveys were used in the needs assessment analysis without adjustment. Also, the similarity in the two sets of condition ratings also indicates that the *Pavement Condition Survey Guide for City Streets* provides a consistent means of assessing pavement conditions, both within a community and statewide.

### Needs Assessment Models

To perform the needs analysis, models that accurately estimate the performance of South Dakota's city streets are necessary. The models must also appropriately identify when pavement repairs are necessary (based on pavement condition), identify what the necessary repairs are, and estimate how the repairs affect the condition and performance of the pavement. In addition, the models must estimate the associated costs of the pavement repairs so that conversions from necessary improvements to needed funds can be made.

The city interviews were a key parameter in the development of the needs assessment models. Through these interviews, significant information about pavement performance, types of repairs, triggers for repairs, and repair performance were identified. Information such as recent cost data and current SDDOT pavement repair standards were also used in the development of the needs assessment models. Current cost information published by Means (Means Heavy Construction Cost Data, 7<sup>th</sup> Edition, 1993) was also utilized. Finally, ERES' expertise in the areas of pavement design, performance, and rehabilitation was used to develop appropriate South Dakota city street needs assessment models.

Contained in Tables 4 through 7 are the four pavement repair matrices that were used as the needs assessment models for this project. A separate matrix was developed for each of the four primary pavement types—asphalt concrete, portland cement concrete, blotter, and gravel—used by the cities of South Dakota. As can be seen in these tables, each repair matrix identifies the pavement repair strategy and associated cost for a given pavement type based on the pavement's condition and

Table 5. PCC Pavement Maintenance and Rehabilitation Matrix.

Condition Rating	Average Annual Drop in Condition Rating <sup>1</sup>	Pavement Repair Technique	Delay Before Any Technique Can Be Applied (yrs)	Adjusted Condition Rating After Repair	Typical Cost (\$/yd <sup>2</sup> )
86 to 100	2	Do nothing. Repairs not required.	N/A	Do not adjust.	0
71 to 85	2	Rout and seal cracks and reseal joints.	5	Do not adjust.	2.90
56 to 70	2	Repair spalls, construct full-depth patches, reseal joints, and rout and seal cracks.	5	Do not adjust.	5.00
41 to 55	2	Replace shattered slabs, construct full-depth patches, repair spalls, rout and seal cracks, and reseal joints.	8	Do not adjust.	13.25
0-40	N/A	Reconstruct.	N/A	100	38.00

<sup>1</sup> The pavement surface condition rating is estimated to deteriorate (with proper pavement maintenance) at an overall average rate of 2 points per year until it reaches 41. In reality, the condition rating will fluctuate as a result of pavement repairs and subsequent pavement deterioration. Once the condition rating falls below 41, reconstruction is assumed to be necessary. Hence, a concrete pavement is assumed to provide approximately 30 years  $[(100-41)/2]$  of service (with maintenance and repairs) before it requires reconstruction.

Table 7. Gravel Pavement Maintenance and Rehabilitation Matrix.

Condition Rating	Average Annual Drop in Condition Rating <sup>1</sup>	Pavement Repair Technique	Number of Times the Treatment Can Be Performed	Delay Before Any Technique Can Be Applied (yrs)	Adjusted Condition Rating After Repair	Typical Cost (\$/yd <sup>2</sup> )
81 to 100	10	Do nothing. Repairs not required.	N/A	N/A	N/A	0
61 to 80	10	Regrade surface.	N/A	2	N/A	0.50
41 to 60	10	Regrade surface, add additional gravel in severely deteriorated areas, and clean ditches and culverts.	N/A	2	N/A	1.30
21 to 40	10	Regrade, add a new gravel layer over the entire surface, and clean ditches and culverts. <sup>2</sup>	3	N/A	100	3.00
0 to 20	10	Reconstruct.	N/A	N/A	100	8.55

<sup>1</sup> The pavement surface condition rating is estimated to deteriorate at an overall average rate of 10 points per year until it reaches 41. This deterioration rate is based on the assumption that routine maintenance is performed. When the condition rating falls below 41, a new gravel surface is assumed to be necessary. Once a new surface is placed, the pavement surface condition rating is increased to 100.

<sup>2</sup> This treatment matrix assumes that only three gravel resurfacing operations can be performed. After each of the three operations is performed, the condition rating is reset to 100. However, after the third operation is performed, the condition rating is permitted to fall below 41 without triggering a fourth operation. Hence, the condition rating eventually falls into the "0 to 20" category, and reconstruction is required.

The pavement condition ratings given in Tables 4 through 7 represent those determined using the *Pavement Condition Survey Guide for City Streets*, and the pavement repair techniques are similar to those identified in the *Pavement Design, Maintenance, and Rehabilitation Guide for City Streets*. The pavement deterioration rates and pavement repair costs are similar to those presented in the *Pavement Management Guide for City Streets*. All three of these documents were developed specifically for the cities and towns of South Dakota as part of this project.

20-year needs determination was quickly performed for the entire database. It should be noted that the pavement repair costs were neither inflated nor discounted, and that all costs are based on 1994 dollars. The results of the 20-year needs analysis are summarized in Tables 8 and 9. A complete listing of the DSS-generated results is provided in Appendix B.

In both Tables 8 and 9 there are years in which pavement maintenance and rehabilitation costs are not incurred, either on a specific pavement type (Table 8) or within a given city (Table 9). These instances of no costs are a result of the maintenance and rehabilitation cycles incorporated into the treatment matrices (Tables 4 through 7). As seen in these matrices, there are delays between the applications of repair treatments. In reality, this no annual cost situation will probably not occur since it is highly unlikely that all the AC, PCC, blotter, or gravel pavements within the State or all the pavements within a given city will be addressed during a 1-year period. Instead the cost will be somewhat evenly distributed over a period of several years.

In Table 8, the annual city streets needs over the next 20 years are summarized by pavement type for both the city streets included in the updated HPMS database and the statewide, non-state trunk city street network. As seen in this table, the total pavement maintenance and rehabilitation need is \$50,102,787 (123.10 miles) for the city streets in the updated HPMS database and \$113,057,929 (414.60 miles) for the statewide Federal-aid city street network. This corresponds to an average annual statewide need of approximately \$13,600 per mile over the next 20 years. .

It should be noted that, as illustrated in Tables 1 and 2, the city street mileage in the updated HPMS database is approximately 30 percent of the total statewide Federal-aid NSTRI mileage for gravel and paved city streets. To estimate the statewide needs, the statewide pavement widths were assumed to be similar to those in the HPMS database. Therefore, a mile to mile extrapolation could be made.

In Table 9, the needs are summarized annually for each of the 13 cities included in the study. As seen in this table, the total 20-year need ranges from \$496,636 for Sturgis (2.81 miles) to \$23,058,310 for Sioux Falls (41.82 miles). It should be noted that the costs shown in Table 9 represent the needs for only the streets surveyed as part of this study. In order to determine the total needs for each city, the total city street mileage for each city must be identified. However, information regarding the total mileage for each city was not available for this study.



Table 9. Summary of City Street Needs By City.

Year	Annual Pavement Maintenance and Rehabilitation Costs (\$)						
	Aberdeen	Brookings	Huron	Madison	Mitchell	Pierre	Rapid City
1995	110,919	115,338	448,007	626,706	331,838	208,259	970,089
1996	52,217	0	0	0	0	0	14,562
1997	88,470	70,590	27,467	40,968	31,714	99,494	93,535
1998	14,857	5,239	36,893	0	2,563	0	25,460
1999	99,703	84,953	80,885	130,554	71,675	58,452	188,574
2000	38,764	32,115	498,816	196,935	122,327	173,282	1,137,077
2001	415,465	73,302	18,987	45,489	71,445	12,504	142,319
2002	0	23,087	3,178	16,385	14,469	82,618	78,203
2003	40,625	82,921	50,014	25,122	90,346	13,065	110,364
2004	0	30,178	80,729	128,928	72,435	50,645	181,049
2005	156,385	229,719	574,557	101,403	203,190	474,108	1,140,619
2006	389,696	30,254	20,407	60,478	86,252	6,014	166,592
2007	0	41,307	13,836	15,934	1,300	233,383	132,936
2008	17,974	85,325	76,178	120,556	64,652	8,420	349,916
2009	0	54,231	196,017	263,994	122,168	114,666	365,212
2010	220,247	165,547	235,671	162,227	98,071	28,180	1,282,262
2011	1,155,772	61,882	54,221	125,995	152,233	13,617	297,095
2012	0	4,682	26,443	2,155	10,629	46,062	171,072
2013	19,607	152,606	206,577	71,989	82,628	19,065	918,283
2014	0	13,448	56,163	16,163	25,060	54,432	287,040
TOTALS	2,820,699	1,356,721	2,705,046	2,151,979	1,654,996	1,696,266	8,052,258

## Conclusions

Based on the results of this study, the State of South Dakota needs approximately \$113,000,000 over the next 20 years in order to maintain and rehabilitate its city street pavement network. This corresponds to an annual cost of approximately \$13,600 per mile of city street. These costs do not include the cost of widening existing streets or the construction of new streets. In addition, these costs do not include costs associated with bridges, drainage structures, signing, guardrail, safety, roadside grading and landscaping, right-of-way maintenance, and other non-pavement items. Also, the costs are in 1994 dollars and have not been inflated or discounted.

As seen by the results of the city street needs assessment, the cost of maintaining a pavement network can be quite significant. Therefore the appropriate utilization of available funds is imperative. In order to ensure the effective use of available funds, the cities and towns of South Dakota are strongly encouraged to use the three guidelines developed as part of this project. These documents provide extensive assistance to those involved in the design, repair, and management of city streets and pavements.

## **APPENDIX A — SUMMARY OF CITY SURVEYS**

**TABLE A.1 RESULTS OF PAVEMENT CONDITION SURVEYS - ABERDEEN**  
**SOUTH DAKOTA CITY STREET NEEDS ASSESSMENT**  
**SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION - PROJECT SD93-07**  
**CITY OF ABERDEEN** Page 1 of 2

Street Name	From	To	Date of last Construction	Street Width (ft)	Section Length (mi)	Pavement Structure*	Surface Rating	HPMS Structure No. **
12th Avenue	Washington Street	State Street	1975	36	0.28	7A2G	90	61
12th Avenue	State Street	Dakota Street	1975	36	0.23	7A2G	90	61
8th Avenue NW	US 281	5th Street	1973	30	0.49	7A6G	90	61
8th Avenue NW	1st Street	Kline Street	1973	40	0.36	2A6S2G	80	62
8th Avenue NW	Kline Street	State Street	1973	40	0.14	2A6S2G	80	62
1st Avenue NW	2nd Street	Lincoln Street	1940	30	0.22	1T7P2G	80	62
Railroad Ave. SW	1st Street	Kline Street	1950	46	0.37	1T7P2G	80	62
Railroad Ave. SW	Kline Street	State Street	1950	46	0.14	1T7P2G	80	62
1st Avenue SW	2nd Street	Main Street	1940	46	0.14	1T7P2G	80	62
3rd Avenue SW	Kline Street	Arch Street	1974	30	0.07	3A7P2G	80	62
3rd Avenue SE	Weber Street S	Polevet	1991	36	0.67	3A6S2G	80	62
5th Avenue SW	1st Street	Lincoln Street	1940	41	0.14	1T7P2G	80	62
9th Avenue SW	8th Street	5th Street	1973	36	0.20	1T6G	90	51
15th Avenue SW	Main Street	Washington Street	1973	30	0.14	1T6G	80	51
17th Avenue SW	Lloyd Street	Dakota Street	1973	36	0.14	1T6G	80	51
12th Avenue SW	State Street	Dakota Street	1973	30	0.23	1T6G	80	51

Notes: \* The pavement structure is represented by a code which gives the layer thickness in inches followed by the material type. For example, 2A6G represents a pavement consisting of a 2.0-in thick asphalt concrete layer on 6.0 in of gravel. The material codes are as follows:

P - portland cement concrete	R - recycled asphalt concrete	S - soil cement
A - asphalt concrete	G - gravel	L - lime-treated soil
T - Surface Treatment	C - crushed aggregate	

\*\* Descriptions of the HPMS structure number designations are provided at the end of this appendix.

**TABLE A.2. RESULTS OF PAVEMENT CONDITION SURVEYS - BROOKINGS**  
**SOUTH DAKOTA CITY STREET NEEDS ASSESSMENT**  
**SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION - PROJECT SD93-07**

**CITY OF BROOKINGS**

Page 1 of 2

Street Name	From	To	Date of last Construction	Street Width (ft)	Section Length (mi)	Pavement Structure*	Surface Rating	HPMS Structure No. **
17th Avenue	Dakota St.	3rd St.	1979	24	0.15	2A6G	75	61
20th Avenue	8th St.	6th St.	1992	24	0.25	3A5G	87	61
22nd Avenue	8th St. South	Proposed 12th Street S.	1971	24	0.33	9A	85	61
22nd Avenue	NCL	18th St.	1920	24	0.25	2G	50	40
22nd Avenue	Olwein St.	Orchard Dr.	1990	24	0.30	11A	86	61
3rd Street	5th Avenue	6th Avenue	1983	24	0.09	2A6P	50	62
3rd Street	5th Avenue	Main Ave.	1983	24	0.08	2A6P	90	62
3rd Street	6th Avenue	7th Avenue	1983	24	0.08	2A6P	50	62
3rd Street	7th Avenue	8th Ave.	1983	24	0.08	2A6P	50	62
6th Avenue	3rd Street	2nd Street S.	1989	24	0.25	2A4G	70	61
8th Street	9th Ave.	Medary Ave.	1989	24	0.09	2A6P	98	61
8th Street	Medary Ave.	22nd Ave.	1990	48	1.00	7A6G	87	61
8th Street	WCL	Onaka Trail	1985	24	0.41	3A5G	80	61
Main Avenue	12th St. S.	20th St. S.	1886	20	0.68	8A9G	95	61
Main Avenue	2nd Street S.	8th St. South	1990	48	0.51	5A14G	88	61
Medary Avenue	12th St. S.	Yorktown Dr	1989	16	0.17	8A9G	96	61

Notes: \* The pavement structure is represented by a code which gives the layer thickness in inches followed by the material type. For example, 2A6G represents a pavement consisting of a 2.0-in thick asphalt concrete layer on 6.0 in of gravel. The material codes are as follows:  
P - portland cement concrete                      R - recycled asphalt concrete                      S - soil cement  
A - asphalt concrete                                      G - gravel                                      L - lime-treated soil  
T - Surface Treatment                                      C - crushed aggregate

\*\* Descriptions of the HPMS structure number designations are provided at the end of this appendix.

**TABLE A.3. RESULTS OF PAVEMENT CONDITION SURVEYS - HURON**  
**SOUTH DAKOTA CITY STREET NEEDS ASSESSMENT**  
**SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION - PROJECT SD93-07**

**CITY OF HURON**

Page 1 of 2

Street Name	From	To	Date of last Construction	Street Width (ft)	Section Length (mi)	Pavement Structure*	Surface Rating	HPMS Structure No. **
15th Street NE	NCL	Dakota Avenue	1976	36	0.38	3.5A5L	55	61
Market Road	Montana Avenue	Dakota Avenue	1976	52	0.42	7P3L	80	71
Market Road	Dakota Avenue	Iowa Avenue	1985	50	0.18	6A12G	70	61
3rd Street SW	WCL	Pennington Avenue	1987	24	0.17	4G	40	40
3rd Street SW	Pennington Avenue	Lincoln Avenue	1970	40	0.34	4.5A	60	53
7th Street SW	Nevada Avenue	Ohio Avenue	1960	32	0.41	2A6G	60	61
7th Street SW	Ohio Avenue	Dakota Avenue	1960	30	0.25	2A6G	60	61
9th Street SW	Colorado Avenue	Illinois Avenue	1963	38	0.23	2A6G	65	61
9th Street SW	Dakota Avenue	Iowa Avenue	1960	34	0.16	2A6G	65	61
18th Street SW	Ohio Avenue	Illinois Avenue	1963	34	0.07	2A6G	65	61
18th Street SW	Dakota Avenue	Iowa Avenue	1963	36	0.20	2A6G	60	61
18th Street SW	Utah Avenue	Frank Avenue	1970	36	0.14	2A6G	70	61
Lincoln Ave. NE	US 14	NCL	1985	24	0.20	6A10L	80	61
Lincoln Ave SW	3rd Street	4th Street	1955	48	0.08	4A6G	65	61
Lincoln Ave SW	9th Street	10th Street	1989	52	0.07	6A6C	85	61
Lincoln Ave SW	10th Street	18th Street	1989	52	0.74	6A6C	85	61

Notes: \* The pavement structure is represented by a code which gives the layer thickness in inches followed by the material type. For example, 2A6G represents a pavement consisting of a 2.0-in thick asphalt concrete layer on 6.0 in of gravel. The material codes are as follows:

P - portland cement concrete	R - recycled asphalt concrete	S - soil cement
A - asphalt concrete	G - gravel	L - lime-treated soil
T - Surface Treatment	C - crushed aggregate	

\*\* Descriptions of the HPMS structure number designations are provided at the end of this appendix.

**TABLE A.4. RESULTS OF PAVEMENT CONDITION SURVEYS - MADISON**  
**SOUTH DAKOTA CITY STREET NEEDS ASSESSMENT**  
**SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION - PROJECT SD93-07**

**CITY OF MADISON**

Page 1 of 2

Street Name	From	To	Date of last Construction	Street Width (ft)	Section Length (mi)	Pavement Structure*	Surface Rating	HPMS Structure No. **
1st Street S W.	Chicago Ave. s	Union Ave. S.	1993	32	0.15	5A5C	100	61
2nd Street NE	Division Ave. S	ECL	1981	20	0.50	2A6P	80	62
2nd Street NE	Washington Ave. N.	Lincoln Ave. N.	1959	48	0.07	8P6C	60	72
2nd Street SE	Van Eps Ave. S.	Harth Ave. S	1972	30	0.14	5A5C	60	61
3rd Street	Union Ave. S.	Van Eps Ave. S.		24	0.22	3G	0	40
3rd Street	Van Eps Ave. S.	Eagan Ave. S.	1973	32	0.07	5A	45	53
4th Street SW	Highland Ave. S.	Olive Ave. S.	1977	32	0.18	5A	75	53
4th Street SW	Olive Ave. S.	Union Ave. S.	1965	32	0.31	3A5C	75	61
4th Street SW	Union Ave. S.	Eagan Ave. S.	1987	32	0.29	6A	80	53
4th Street SW	Eagan Ave. S.	Washington Ave S.	1965	32	0.22	3A5C	60	61
5th Street NE	Eagan Avenue N	Washington Ave N	1965	32	0.20	3A5C	40	61
5th Street NW	Union Ave. N	Eagan Ave. N	1965	32	0.29	3A5C	40	61
8th Street NE	Washington Ave N.	Prairie Ave. N.	1965	32	0.21	3A5C	80	61
9th Street NW	Highland Ave. N.	NCL	1965	26	0.35	3A5C	35	61
Center Street E.	Washington Ave N.	Grant Ave. N.	1965	32	0.17	3A5C	65	61
Division Ave. N.	Center St. E.	3rd St. N.E.	1977	32	0.29	5A	40	53

Notes: \* The pavement structure is represented by a code which gives the layer thickness in inches followed by the material type. For example,

2A6G represents a pavement consisting of a 2.0-in thick asphalt concrete layer on 6.0 in of gravel. The material codes are as follows:

P - portland cement concrete

R - recycled asphalt concrete

S - soil cement

A - asphalt concrete

G - gravel

L - lime-treated soil

T - Surface Treatment

C - crushed aggregate

\*\* Descriptions of the HPMS structure number designations are provided at the end of this appendix.

**TABLE A.6. RESULTS OF PAVEMENT CONDITION SURVEYS - PIERRE**  
**SOUTH DAKOTA CITY STREET NEEDS ASSESSMENT**  
**SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION - PROJECT SD93-07**

**CITY OF PIERRE**

Page 1 of 2

Street Name	From	To	Date of last Construction	Street Width (ft)	Section Length (mi)	Pavement Structure*	Surface Rating	HPMS Structure No. **
Airport Road	US14B	0.34mi E	1986	24	0.34	5A	66	53
4th Street W.	Huron	Grand	1981	36	0.07	4A	75	53
Oak Street	Euclid	Highland	1986	34	0.08	2A	66	53
Broadway	Euclid	Nicollet	1986	48	0.16	4A	91	53
Broadway	Governor Drive	Harrison	1987	36	0.58	4A	65	53
Capitol	Elizabeth	Huron	1987	44	0.59	4A	71	53
Capitol	Huron	Pierre St.	1989	52	0.08	2A8P	71	62
Capitol	Pierre St.	Highland	1989	52	0.13	2A8P	70	62
Capitol	Highland	Wells	1989	46	0.48	2A8P	68	62
Capitol	Wells	Court Place	1986	40	0.70	4A	70	53
Pleasant Drive	Euclid	Highland	1989	52	0.10	4A	73	53
Humbolt Drive	Pierre	Garfield	1988	36	0.33	2A	70	53
Wells Avenue	Capitol Ave.	Sioux Ave.	1988	48	0.18	2A8P	73	62
Dakota Ave.	Harrison	Tyler	1990	56	0.08	6A	85	53
Poplar Avenue	Prospect	Elizabeth	1986	36	0.13	4A	75	53
Coteau	Sioux Ave.	Missouri Ave.	1992	56	0.21	4A	77	53

Notes: \* The pavement structure is represented by a code which gives the layer thickness in inches followed by the material type. For example, 2A6G represents a pavement consisting of a 2.0-in thick asphalt concrete layer on 6.0 in of gravel. The material codes are as follows:

P - portland cement concrete	R - recycled asphalt concrete	S - soil cement
A - asphalt concrete	G - gravel	L - lime-treated soil
T - Surface Treatment	C - crushed aggregate	

\*\* Descriptions of the HPMS structure number designations are provided at the end of this appendix.



<b>TABLE A-7. RESULTS OF PAVEMENT CONDITION SURVEYS - RAPID CITY</b> <b>SOUTH DAKOTA CITY STREET NEEDS ASSESSMENT</b> <b>SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION - PROJECT SD93-07</b> <b>CITY OF RAPID CITY</b>								
Page 1 of 4								
Street Name	From	To	Date of last Construction	Street Width (ft)	Section Length (mi)	Pavement Structure*	Surface Rating	HPMS Structure No. **
West Chicago Street	48th Street	South Canyon Road	1977	32	0.28	5A	45	52
West Canyon Road	West Chicago Street	W. Main Street	1960	44	0.31	4A	75	52
West Chicago Street	Berry Pine Road	48th street	1977	32	0.32	2A4C	53	52
5th Street	Cathedral Drive	Texas	1976	53	0.72	7P12L	82	71
W Main Street	Berry Pine Road	44 th Street	1992	36	0.48	2A1.5A	90	52
West Chicago Street	South Canyon Road	Sturgis Road	1972	64	0.68	3A4C	60	61
Sheridan Lake Rd	Esval Drive	South City Limits	1985	28	0.31	5A6C	75	61
Soo San Drive	West South Street	Canyon Lake Drive	1985	32	0.61	5A	87	52
Hillsview Drive	Raider Road	W. St Patrick Street	1960	32	0.29	3A4C	60	61
Hillsview Drive	Red Dale Drive	Canyon Lake Drive	1992	20	0.17	2A1.5A	92	52
Lacrosse Street	Disk Drive	Rapp Street	1977	60	0.50	7P4C	83	71
Chapel Lane	Jackson Blvd	Guest Road	1973	28	0.28	2A4C	45	52
Chapel Lane	Morningside Drive	Guest Road	1973	28	0.16	2A4C	85	52
44th Street	Brookside Drive	Raider Road	1958	34	0.14	2A4C	42	52
Sheridan Lake Rd.	Rapid Cr	Jackson Blvd.	1970	36	0.32	1.5A4A	75	52
Sheridan Lake Rd.	W Flormann St	Patrick Street	1991	48	0.25	8.5P	98	71
Sheridan Lake Rd.	Flint Drive	Harney drive	1992	48	0.41	8.5P	100	71

Notes: \* The pavement structure is represented by a code which gives the layer thickness in inches followed by the material type. For example, 2A6G represents a pavement consisting of a 2.0-in thick asphalt concrete layer on 6.0 in of gravel. The material codes are as follows:

P - portland cement concrete	R - recycled asphalt concrete	S - soil cement
A - asphalt concrete	G - gravel	L - lime-treated soil
T - Surface Treatment	C - crushed aggregate	

\*\* Descriptions of the HPMS structure number designations are provided at the end of this appendix.

<b>TABLE A.7. RESULTS OF PAVEMENT CONDITION SURVEYS - RAPID CITY (continued)</b> <b>SOUTH DAKOTA CITY STREET NEEDS ASSESSMENT</b> <b>SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION - PROJECT SD93-07</b> <b>CITY OF RAPID CITY</b>								
Page 3 of 4								
Street Name	From	To	Date of last Construction	Street Width (ft)	Section Length (mi)	Pavement Structure*	Surface Rating	HPMS Structure No. **
5th Street	Main Street	Omaha Street	1977	66	0.15	8P6C	85	71
8th Street	Omaha Street	Rapid Creek	1977	48	0.09	5A	80	52
5th Street	New York Street	Omaha Street	1977	76	0.14	8P6C	85	71
East North Street	Herman Street	E Blvd Street	1986	50	0.42	1.5A9P	88	62
North Street	Haines Avenue	Lemmon Ave	1980	32	0.22	1.5A	75	52
Haines Avenue	Anamosa Street	North Street	1985	48	0.51	7.5A	94	71
Haines Avenue	Anamosa Street	Knollwood Drive	1985	60	0.43	7.5A	96	71
Anamosa Street	Haines Avenue	Blaine Ave.-PSI613	1989	34	0.22	7A	94	61
Anamosa Street	Blaine Avenue	Maple Avenue	1985	34	0.28	7A	92	61
Maple Avenue	Anamosa Street	I 90	1972	40	0.54	5A	65	52
Disk Drive	Haines Avenue	Maple Avenue	1981	48	0.62	7P3C	65	71
West Blvd	North Street	Anamosa Street	1977	36	0.47	1.5A4A	67	52
Disk Drive	Maple Avenue	LaCrosse St.	1979	44	0.23	7P	58	71
LaCrosse St.	Rapp Street	Anamosa Street	1984	59	0.24	8P3.5C	85	71
Anamosa Street	LaCrosse St.	Racine Street	1971	34	0.12	4A	77	52
Anamosa Street	Racine Street	Downing Street	1971	34	0.25	2A4P	77	62

Notes:

\* The pavement structure is represented by a code which gives the layer thickness in inches followed by the material type. For example, 2A6G represents a pavement consisting of a 2.0-in thick asphalt concrete layer on 6.0 in of gravel. The material codes are as follows:

P - portland cement concrete

R - recycled asphalt concrete

S - soil cement

A - asphalt concrete

G - gravel

L - lime-treated soil

T - Surface Treatment

C - crushed aggregate

\*\* Descriptions of the HPMS structure number designations are provided at the end of this appendix.

**TABLE A.8. RESULTS OF PAVEMENT CONDITION SURVEYS - SIOUX FALLS**  
**SOUTH DAKOTA CITY STREET NEEDS ASSESSMENT**  
**SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION - PROJECT SD93-07**

**CITY OF SIOUX FALLS**

Page 1 of 6

Street Name	From	To	Date of last Construction	Street Width (ft)	Section Length (mi)	Pavement Structure*	Surface Rating	HPMS Structure No. **
12th Street	Bahnson	Charlotte	1992	34	0.45	3A3A4G	61	61
14th Street	4th Avenue	7th Avenue	1988	44	0.18	6.5P6G	71	71
14th Street	7th Avenue	Cliff Avenue	1988	44	0.25	6.5P6G	71	71
18th Street	10th Avenue	River Boulevard		34	0.47	3A4G	51	53
18th Street	4th Avenue	7th Avenue		28	0.23	3A4G	40	53
18th Street	Cloudas Avenue	Bahnson Avenue		34	0.45	3A4G	61	61
18th Street	Kiwanis Avenue	Holly Drive	1992	36	0.25	7P4G	92	71
18th Street	Prairie Avenue	Minnesota	1985	34	0.32	8P4G	71	71
18th Street	Western Avenue	West Avenue	1993	36	0.26	7P4G	100	71
26th Street	4th Avenue	7th Avenue	1988	32	0.24	7P4G	90	71
26th Street	Center Avenue	Philips Avenue	1988	32	0.13	7P4G	90	71
26th Street	Cleveland Avenue	Bahnson Avenue	1993	40	0.51	4A6G	85	61
26th Street	Cliff Avenue	Van Eps Avenue	1991	34	0.12	7P6G	94	71
26th Street	Marion Road	Valley View Road	1992	40	0.50	6A6G	91	61

Notes: \* The pavement structure is represented by a code which gives the layer thickness in inches followed by the material type. For example, 2A6G represents a pavement consisting of a 2.0-in thick asphalt concrete layer on 6.0 in of gravel. The material codes are as follows:

P - portland cement concrete	R - recycled asphalt concrete	S - soil cement
A - asphalt concrete	G - gravel	L - lime-treated soil
T - Surface Treatment	C - crushed aggregate	

\*\* Descriptions of the HPMS structure number designations are provided at the end of this appendix.

<b>TABLE A.8. RESULTS OF PAVEMENT CONDITION SURVEYS - SIOUX FALLS(continued)</b> <b>SOUTH DAKOTA CITY STREET NEEDS ASSESSMENT</b> <b>SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION - PROJECT SD93-07</b> <b>CITY OF SIOUX FALLS</b>								
Page 3 of 6								
Street Name	From	To	Date of last Construction	Street Width (ft)	Section Length (mi)	Pavement Structure*	Surface Rating	HPMS Structure No. **
57th Street	Louise Avenue	Interstate 29		26	0.39	6G	40	40
57th Street	Minnesota Avenue	Cliff Avenue		48	1.19	11.5A8G	76	61
57th Street	Southeastern Avenue	SD11	1992	24	0.82	2A4G	71	53
60th Street	City Limits eastward	River	1991	24	0.32	4P4P5G	91	74
60th Street	Interstate 29	City Limits	1991	24	1.67	4P4P5G	89	74
60th Street	River	SD115	1991	24	1.00	8A10G	96	61
69th Street	South City Limits	Cliff Avenue	1994	24	2.62	2A7.5A4G	100	61
6th Street	Cliff Avenue	Interstate 229		34	0.88	6.5A5G	52	61
6th Street	Interstate 229	Cleveland Avenue	1993	48	0.62	8P6G	100	71
8th Street	SD115	Philips Avenue		52	0.23	2A3A5G	45	61
8th Street	Weber Avenue	Fairfax Avenue	1987	44	0.28	A P	52	62
Bahnson Avenue	18th Street	16th Street	1991	41	0.13	4A4G	61	61
Bahnson Avenue	26th Street	33rd Street	1989	36	0.47	4A4G	61	61
Bahnson Avenue	33rd Street	41st Street	1992	36	0.50	6A19G	71	61
Bahnson Avenue	41st Street	49th Street	1991	36	0.50	8A6G	91	61

Notes:

\* The pavement structure is represented by a code which gives the layer thickness in inches followed by the material type. For example, 2A6G represents a pavement consisting of a 2.0-in thick asphalt concrete layer on 6.0 in of gravel. The material codes are as follows:

P - portland cement concrete

R - recycled asphalt concrete

S - soil cement

A - asphalt concrete

G - gravel

L - lime-treated soil

T - Surface Treatment

C - crushed aggregate

\*\* Descriptions of the HPMS structure number designations are provided at the end of this appendix.

**TABLE A.9. RESULTS OF PAVEMENT CONDITION SURVEYS - SPEARFISH**  
**SOUTH DAKOTA CITY STREET NEEDS ASSESSMENT**  
**SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION - PROJECT SD93-07**

**CITY OF SPEARFISH**

Page 1 of 1

Street Name	From	To	Date of last Construction	Street Width (ft)	Section Length (mi)	Pavement Structure*	Surface Rating	HPMS Structure No. **
Canyon Street	Jackson Boulevard	Illinois Street	1992	42	0.08	4A	60	53
Colorado Boulevard	Lariat Drive	Dahl Road	1992	50	0.24	6A	92	61
Jackson Boulevard	8th Street	State Street	1994	64	0.08	6A	52	53
Jackson Boulevard	Ames Avenue	Meier Street		68	0.10	6A	58	61
Jackson Boulevard	Lower Valley Road	Ames Avenue		68	0.08	6A	58	61
Jonas Avenue	College	Woodburn Drive		42	0.07	6A	60	53
Jonas Avenue	Woodburn Drive	Mason Avenue		42	0.09	6A	60	53
Lower Valley Road	Hillsview Drive	0.26 mi South		23	0.26	2A_C	46	53
Lower Valley Road	Nash Avenue	Mason Avenue		23	0.08	2A_C	46	53
Main Street	Jackson Boulevard	Hudson Street	1992	88	0.15	8A	94	61
Main Street	Lincoln Street	Jackson Boulevard	1992	88	0.15	6A	96	61
North Avenue	Ryan Street	Rushmore Street	1992	62	0.11	6A	96	61
Utah Boulevard	Spearfish Creek	5th Street	1993	37	0.16	6A	78	61

Notes: \* The pavement structure is represented by a code which gives the layer thickness in inches followed by the material type. For example, 2A6G represents a pavement consisting of a 2.0-in thick asphalt concrete layer on 6.0 in of gravel. The material codes are as follows:

P - portland cement concrete

R - recycled asphalt concrete

S - soil cement

A - asphalt concrete

G - gravel

L - lime-treated soil

T - Surface Treatment

C - crushed aggregate

\*\* Descriptions of the HPMS structure number designations are provided at the end of this appendix.

**TABLE A.11 RESULTS OF PAVEMENT CONDITION SURVEYS - VERMILLION**  
**SOUTH DAKOTA CITY STREET NEEDS ASSESSMENT**  
**SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION - PROJECT SD93-07**

**CITY OF VERMILLION**

Page 1 of 2

Street Name	From	To	Date of last Construction	Street Width (ft)	Section Length (mi)	Pavement Structure*	Surface Rating	HPMS Structure No. **
Carr Street	Cherry Street	Clark Street	1988	36	0.30	6P4N	96	71
Chestnut Street	Bloomingtondale	South Dakota Street	1981	26	0.40	7.5A	98	61
Clark Street	Carr Street	Franklin Street	1985	36	0.31	3A6G	90	53
Clark Street	Stanford	Carr Street	1986	36	0.24	4A9C	90	53
Cottage Street	Cherry Street	Dartmouth Street	1988	26	0.22	2A6P	96	62
Cottage Street	Duke Street	Cherry Street	1986	48	0.12	4A9C	88	53
Dakota Street	Cedar Street	Main Street	1981	30	0.14	3A6P	88	62
Dakota Street	Cherry Street	Clark Street	1981	30	0.29	3A6P	88	62
Dakota Street	Main Street	Chestnut	1978	28	0.33	6.5P	94	71
Dakota Street	North City Limits	Cherry Street	1976	48	0.49	7P3L	78	71
High Street	Cherry Street	0.12 mi South	1991	36	0.12	6P4N	96	71
High Street	Dartmouth	0.08 mi North	1964	26	0.08	1.5A6P	80	62
Main Street	Plum Street	Sycamore Street	1966	36	0.14	6P	80	71
Main Street	University Street	Plum Street	1981	30	0.22	3A6P	70	62

Notes: \* The pavement structure is represented by a code which gives the layer thickness in inches followed by the material type. For example, 2A6G represents a pavement consisting of a 2.0-in thick asphalt concrete layer on 6.0 in of gravel. The material codes are as follows:

P - portland cement concrete	R - recycled asphalt concrete	S - soil cement
A - asphalt concrete	G - gravel	L - lime-treated soil
T - Surface Treatment	C - crushed aggregate	

\*\* Descriptions of the HPMS structure number designations are provided at the end of this appendix.

**TABLE A.12. RESULTS OF PAVEMENT CONDITION SURVEYS - WATERTOWN.  
SOUTH DAKOTA CITY STREET NEEDS ASSESSMENT  
SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION - PROJECT SD93-07**

**CITY OF WATERTOWN**

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Street Name	From	To	Date of last Construction	Avg. Street Width (ft)	Section Length (mi)	Pavement Structure*	Surface Rating	HPMS Structure No. **
14th Avenue	4th Street E	11th Street E		32	0.50	A	77	61
10th Avenue N	2nd Street W	Maple Street N		31	0.29	A	72	61
10th Avenue N	Maple Street N	4th Street E		34.5	0.22	A	82	61
Golf Course Road	4th Avenue S	S Lake Drive		25	2.45	A	74	61
3rd Avenue N	10th Street W	8th Street W		38	0.15	A	72	52
3rd Avenue N	8th Street W	Sioux River		35	0.18	A	76	52
3rd Avenue N	17th Street E	19th Street E		40	0.18	A	82	53
1st Avenue N	3rd Avenue N	3rd Street W		40	0.32	A	72	61
1st Avenue N	3rd Street W	Maple Street S		71	0.42	A	77	53
1st Avenue N	Maple Street S	4th Street E		73	0.25	A	65	52
Kemp Avenue W	10th Street W	W. Sioux River		40	0.28	A	68	52
Kemp Avenue W	Sioux River	4th Street W.		40	0.22	A	91	52
Kemp Avenue W	4th Street W.	3rd Street W.		50	0.09	A	78	52
Maple Street E.	3rd Avenue N	RR Tracks		40	0.21	A	87	52

Notes: \* The pavement structure is represented by a code which gives the layer thickness in inches followed by the material type. For example, 2A6G represents a pavement consisting of a 2.0-in thick asphalt concrete layer on 6.0 in of gravel. The material codes are as follows:

P - portland cement concrete

R - recycled asphalt concrete

S - soil cement

A - asphalt concrete

G - gravel

L - lime-treated soil

T - Surface Treatment

C - crushed aggregate

\*\* Descriptions of the HPMS structure number designations are provided at the end of this appendix.

Table B.1. Summary of South Dakota City Street Needs Assessment.

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Aberdeen	ab231o	11.4	12th Avenue	Wash St	State St	AC	1995	Rout & seal cracks	\$2,341
Aberdeen	ab231o	11.4	12th Avenue	Wash St	State St	AC	1997	Rout & seal cracks	\$2,341
Aberdeen	ab231o	11.4	12th Avenue	Wash St	State St	AC	1999	Patch, rout & seal cracks	\$4,150
Aberdeen	ab231o	11.4	12th Avenue	Wash St	State St	AC	2001	Patch, rout & seal cracks	\$4,150
Aberdeen	ab231o	11.4	12th Avenue	Wash St	State St	AC	2003	Patch, rout & seal cracks	\$4,150
Aberdeen	ab231o	11.4	12th Avenue	Wash St	State St	AC	2005	Patch, rout & seal cracks, & apply surface treatment	\$18,941
Aberdeen	ab231o	11.4	12th Avenue	Wash St	State St	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$18,941
Aberdeen	ab231o	11.7	12th Avenue	State St	Dakota St	AC	1995	Rout & seal cracks	\$1,923
Aberdeen	ab231o	11.7	12th Avenue	State St	Dakota St	AC	1997	Rout & seal cracks	\$1,923
Aberdeen	ab231o	11.7	12th Avenue	State St	Dakota St	AC	1999	Patch, rout & seal cracks	\$3,409
Aberdeen	ab231o	11.7	12th Avenue	State St	Dakota St	AC	2001	Patch, rout & seal cracks	\$3,409
Aberdeen	ab231o	11.7	12th Avenue	State St	Dakota St	AC	2003	Patch, rout & seal cracks	\$3,409
Aberdeen	ab231o	11.7	12th Avenue	State St	Dakota St	AC	2005	Patch, rout & seal cracks, & apply surface treatment	\$15,558
Aberdeen	ab231o	11.7	12th Avenue	State St	Dakota St	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$15,558
Aberdeen	ab235o	10.5	8th Avenue NW	US 281	5th St	AC	1995	Rout & seal cracks	\$3,414
Aberdeen	ab235o	10.5	8th Avenue NW	US 281	5th St	AC	1997	Rout & seal cracks	\$3,414
Aberdeen	ab235o	10.5	8th Avenue NW	US 281	5th St	AC	1999	Patch, rout & seal cracks	\$6,053
Aberdeen	ab235o	10.5	8th Avenue NW	US 281	5th St	AC	2001	Patch, rout & seal cracks	\$6,053
Aberdeen	ab235o	10.5	8th Avenue NW	US 281	5th St	AC	2003	Patch, rout & seal cracks	\$6,053
Aberdeen	ab235o	10.5	8th Avenue NW	US 281	5th St	AC	2005	Patch, rout & seal cracks, & apply surface treatment	\$27,629
Aberdeen	ab235o	10.5	8th Avenue NW	US 281	5th St	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$27,629
Aberdeen	ab235o	11.2	8th Avenue NW	1st	Kline	AC	1995	Patch, rout & seal cracks	\$5,931
Aberdeen	ab235o	11.2	8th Avenue NW	1st	Kline	AC	1997	Patch, rout & seal cracks	\$5,931
Aberdeen	ab235o	11.2	8th Avenue NW	1st	Kline	AC	1999	Patch, rout & seal cracks	\$5,931
Aberdeen	ab235o	11.2	8th Avenue NW	1st	Kline	AC	2001	Patch, rout & seal cracks, & apply surface treatment	\$27,070
Aberdeen	ab235o	11.2	8th Avenue NW	1st	Kline	AC	2006	Patch, rout & seal cracks, & apply surface treatment	\$27,070
Aberdeen	ab235o	11.2	8th Avenue NW	1st	Kline	AC	2011	Remove and replace AC layer	\$97,179
Aberdeen	ab235o	11.6	8th Avenue NW	Kline	State St	AC	1995	Patch, rout & seal cracks	\$2,305
Aberdeen	ab235o	11.6	8th Avenue NW	Kline	State St	AC	1997	Patch, rout & seal cracks	\$2,305
Aberdeen	ab235o	11.6	8th Avenue NW	Kline	State St	AC	1999	Patch, rout & seal cracks	\$2,305
Aberdeen	ab235o	11.6	8th Avenue NW	Kline	State St	AC	2001	Patch, rout & seal cracks, & apply surface treatment	\$10,523
Aberdeen	ab235o	11.6	8th Avenue NW	Kline	State St	AC	2006	Patch, rout & seal cracks, & apply surface treatment	\$10,523
Aberdeen	ab235o	11.6	8th Avenue NW	Kline	State St	AC	2011	Remove and replace AC layer	\$37,777
Aberdeen	ab242o	11.2	1st Ave NW	2nd St	Lincoln St	AC	1995	Patch, rout & seal cracks	\$2,718
Aberdeen	ab242o	11.2	1st Ave NW	2nd St	Lincoln St	AC	1997	Patch, rout & seal cracks	\$2,718
Aberdeen	ab242o	11.2	1st Ave NW	2nd St	Lincoln St	AC	1999	Patch, rout & seal cracks	\$2,718
Aberdeen	ab242o	11.2	1st Ave NW	2nd St	Lincoln St	AC	2001	Patch, rout & seal cracks, & apply surface treatment	\$12,410
Aberdeen	ab242o	11.2	1st Ave NW	2nd St	Lincoln St	AC	2006	Patch, rout & seal cracks, & apply surface treatment	\$12,410
Aberdeen	ab242o	11.2	1st Ave NW	2nd St	Lincoln St	AC	2011	Remove and replace AC layer	\$44,550



Table B.1. Summary of South Dakota City Street Needs Assessment (continued).

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Aberdeen	ab257o	11.7	12th Ave SW	State St	Dakota St	Blotter	1996	Patch and apply surface treatment	\$10,124
Aberdeen	ab257o	11.7	12th Ave SW	State St	Dakota St	Blotter	2001	Patch and apply surface treatment	\$10,124
Aberdeen	ab257o	11.7	12th Ave SW	State St	Dakota St	Blotter	2006	Patch and apply surface treatment	\$10,124
Aberdeen	ab260o	11.3	15th Ave SW	Main St	Washington St	Blotter	1996	Patch and apply surface treatment	\$6,163
Aberdeen	ab260o	11.3	15th Ave SW	Main St	Washington St	Blotter	2001	Patch and apply surface treatment	\$6,163
Aberdeen	ab260o	11.3	15th Ave SW	Main St	Washington St	Blotter	2006	Patch and apply surface treatment	\$6,163
Aberdeen	ab262o	11.8	17th Ave SW	Lloyd St	Dakota St	Blotter	1996	Patch and apply surface treatment	\$7,398
Aberdeen	ab262o	11.8	17th Ave SW	Lloyd St	Dakota St	Blotter	2001	Patch and apply surface treatment	\$7,398
Aberdeen	ab262o	11.8	17th Ave SW	Lloyd St	Dakota St	Blotter	2006	Patch and apply surface treatment	\$7,398
Aberdeen	ab264o	10	Melgaard Road	US 281	16th St S	AC	1995	Patch, rout & seal cracks	\$2,964
Aberdeen	ab264o	10	Melgaard Road	US 281	16th St S	AC	1997	Patch, rout & seal cracks	\$2,964
Aberdeen	ab264o	10	Melgaard Road	US 281	16th St S	AC	1999	Patch, rout & seal cracks	\$2,964
Aberdeen	ab264o	10	Melgaard Road	US 281	16th St S	AC	2001	Patch, rout & seal cracks, & apply surface treatment	\$13,531
Aberdeen	ab264o	10	Melgaard Road	US 281	16th St S	AC	2006	Patch, rout & seal cracks, & apply surface treatment	\$13,531
Aberdeen	ab264o	10	Melgaard Road	US 281	16th St S	AC	2011	Patch, rout & seal cracks, & overlay	\$30,636
Aberdeen	ab734o	32.8	5th St S	3rd Ave SW	4th Ave SW	PCC	1998	Rout & seal cracks and joints	\$4,289
Aberdeen	ab734o	32.8	5th St S	3rd Ave SW	4th Ave SW	PCC	2003	Rout & seal cracks and joints	\$4,289
Aberdeen	ab734o	32.8	5th St S	3rd Ave SW	4th Ave SW	PCC	2008	Repair spalls, patch, and seal cracks and joints	\$7,406
Aberdeen	ab734o	32.8	5th St S	3rd Ave SW	4th Ave SW	PCC	2013	Repair spalls, patch, replace slabs, and seal cracks & joints	\$19,607
Aberdeen	ab748o	33	2nd St S	6th Ave SW	9th Ave SW	AC	1995	Patch, rout & seal cracks	\$2,471
Aberdeen	ab748o	33	2nd St S	6th Ave SW	9th Ave SW	AC	1997	Patch, rout & seal cracks	\$2,471
Aberdeen	ab748o	33	2nd St S	6th Ave SW	9th Ave SW	AC	1999	Patch, rout & seal cracks	\$2,471
Aberdeen	ab748o	33	2nd St S	6th Ave SW	9th Ave SW	AC	2001	Patch, rout & seal cracks, & apply surface treatment	\$11,277
Aberdeen	ab748o	33	2nd St S	6th Ave SW	9th Ave SW	AC	2006	Patch, rout & seal cracks, & apply surface treatment	\$11,277
Aberdeen	ab748o	33	2nd St S	6th Ave SW	9th Ave SW	AC	2011	Remove and replace AC layer	\$40,487
Aberdeen	ab750o	32	Main St	8th Ave NW	6th Ave NW	AC	1995	Patch, rout & seal cracks	\$3,212
Aberdeen	ab750o	32	Main St	8th Ave NW	6th Ave NW	AC	1997	Patch, rout & seal cracks	\$3,212
Aberdeen	ab750o	32	Main St	8th Ave NW	6th Ave NW	AC	1999	Patch, rout & seal cracks	\$3,212
Aberdeen	ab750o	32	Main St	8th Ave NW	6th Ave NW	AC	2001	Patch, rout & seal cracks, & apply surface treatment	\$14,661
Aberdeen	ab750o	32	Main St	8th Ave NW	6th Ave NW	AC	2006	Patch, rout & seal cracks, & apply surface treatment	\$14,661
Aberdeen	ab750o	32	Main St	8th Ave NW	6th Ave NW	AC	2011	Remove and replace AC layer	\$52,633
Aberdeen	ab750o	33	Main St	6th Ave SW	8th Ave SW	AC	1995	Patch, rout & seal cracks	\$3,227
Aberdeen	ab750o	33	Main St	6th Ave SW	8th Ave SW	AC	1997	Patch, rout & seal cracks	\$3,227
Aberdeen	ab750o	33	Main St	6th Ave SW	8th Ave SW	AC	1999	Patch, rout & seal cracks	\$3,227
Aberdeen	ab750o	33	Main St	6th Ave SW	8th Ave SW	AC	2001	Patch, rout & seal cracks, & apply surface treatment	\$14,732
Aberdeen	ab750o	33	Main St	6th Ave SW	8th Ave SW	AC	2006	Patch, rout & seal cracks, & apply surface treatment	\$14,732
Aberdeen	ab750o	33	Main St	6th Ave SW	8th Ave SW	AC	2011	Remove and replace AC layer	\$52,888
Aberdeen	ab750o	33.7	Main St	15th Ave SW	Melgaard Rd	AC	1995	Patch, rout & seal cracks	\$5,436
Aberdeen	ab750o	33.7	Main St	15th Ave SW	Melgaard Rd	AC	1997	Patch, rout & seal cracks	\$5,436

Table B.1. Summary of South Dakota City Street Needs Assessment (continued).

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Aberdeen	ab758o	33.3	State St	10th Ave SW	17th Ave SW	AC	2001	Patch, rout & seal cracks, & apply surface treatment	\$38,045
Aberdeen	ab758o	33.3	State St	10th Ave SW	17th Ave SW	AC	2006	Patch, rout & seal cracks, & apply surface treatment	\$38,045
Aberdeen	ab758o	33.3	State St	10th Ave SW	17th Ave SW	AC	2011	Remove and replace AC layer	\$136,576
Aberdeen	ab763o	33.3	Dakota St	10th Ave SW	17th Ave SW	Blotter	1996	Patch and apply surface treatment	\$28,533
Aberdeen	ab763o	33.3	Dakota St	10th Ave SW	17th Ave SW	Blotter	2001	Patch and apply surface treatment	\$28,533
Aberdeen	ab763o	33.3	Dakota St	10th Ave SW	17th Ave SW	Blotter	2006	Patch and apply surface treatment	\$28,533
Aberdeen	ab774o	33	Lawson St	6th Ave SE	9th Ave SE	AC	1995	Rout & seal cracks	\$2,090
Aberdeen	ab774o	33	Lawson St	6th Ave SE	9th Ave SE	AC	1997	Rout & seal cracks	\$2,090
Aberdeen	ab774o	33	Lawson St	6th Ave SE	9th Ave SE	AC	1999	Patch, rout & seal cracks	\$3,706
Aberdeen	ab774o	33	Lawson St	6th Ave SE	9th Ave SE	AC	2001	Patch, rout & seal cracks	\$3,706
Aberdeen	ab774o	33	Lawson St	6th Ave SE	9th Ave SE	AC	2003	Patch, rout & seal cracks	\$3,706
Aberdeen	ab774o	33	Lawson St	6th Ave SE	9th Ave SE	AC	2005	Patch, rout & seal cracks, & apply surface treatment	\$16,917
Aberdeen	ab774o	33	Lawson St	6th Ave SE	9th Ave SE	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$16,917
Aberdeen	ab774o	33.2	Lawson St	9th Ave SE	17th Ave SE	AC	1995	Rout & seal cracks	\$4,767
Aberdeen	ab774o	33.2	Lawson St	9th Ave SE	17th Ave SE	AC	1997	Rout & seal cracks	\$4,767
Aberdeen	ab774o	33.2	Lawson St	9th Ave SE	17th Ave SE	AC	1999	Patch, rout & seal cracks	\$8,451
Aberdeen	ab774o	33.2	Lawson St	9th Ave SE	17th Ave SE	AC	2001	Patch, rout & seal cracks	\$8,451
Aberdeen	ab774o	33.2	Lawson St	9th Ave SE	17th Ave SE	AC	2003	Patch, rout & seal cracks	\$8,451
Aberdeen	ab774o	33.2	Lawson St	9th Ave SE	17th Ave SE	AC	2005	Patch, rout & seal cracks, & apply surface treatment	\$38,576
Aberdeen	ab774o	33.2	Lawson St	9th Ave SE	17th Ave SE	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$38,576
Brookings	cz248o	16.9	8th St	9th Ave	Medary Ave	AC	1999	Rout & seal cracks	\$502
Brookings	cz248o	16.9	8th St	9th Ave	Medary Ave	AC	2001	Rout & seal cracks	\$502
Brookings	cz248o	16.9	8th St	9th Ave	Medary Ave	AC	2003	Patch, rout & seal cracks	\$889
Brookings	cz248o	16.9	8th St	9th Ave	Medary Ave	AC	2005	Patch, rout & seal cracks	\$889
Brookings	cz248o	16.9	8th St	9th Ave	Medary Ave	AC	2007	Patch, rout & seal cracks	\$889
Brookings	cz248o	16.9	8th St	9th Ave	Medary Ave	AC	2009	Patch, rout & seal cracks, & apply surface treatment	\$4,057
Brookings	cz248o	16.9	8th St	9th Ave	Medary Ave	AC	2014	Patch, rout & seal cracks, & apply surface treatment	\$4,057
Brookings	cz255o	16.3	3rd St	5th Ave	Main Ave	AC	1995	Rout & seal cracks	\$446
Brookings	cz255o	16.3	3rd St	5th Ave	Main Ave	AC	1997	Rout & seal cracks	\$446
Brookings	cz255o	16.3	3rd St	5th Ave	Main Ave	AC	1999	Patch, rout & seal cracks	\$791
Brookings	cz255o	16.3	3rd St	5th Ave	Main Ave	AC	2001	Patch, rout & seal cracks	\$791
Brookings	cz255o	16.3	3rd St	5th Ave	Main Ave	AC	2003	Patch, rout & seal cracks	\$791
Brookings	cz255o	16.3	3rd St	5th Ave	Main Ave	AC	2005	Patch, rout & seal cracks, & apply surface treatment	\$3,608
Brookings	cz255o	16.3	3rd St	5th Ave	Main Ave	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$3,608
Brookings	cz255o	16.4	3rd St	5th Ave	6th Ave	AC	1995	Remove and replace AC layer	\$14,575
Brookings	cz255o	16.4	3rd St	5th Ave	6th Ave	AC	2000	Rout & seal cracks	\$502
Brookings	cz255o	16.4	3rd St	5th Ave	6th Ave	AC	2002	Rout & seal cracks	\$502
Brookings	cz255o	16.4	3rd St	5th Ave	6th Ave	AC	2004	Patch, rout & seal cracks	\$889
Brookings	cz255o	16.4	3rd St	5th Ave	6th Ave	AC	2006	Patch, rout & seal cracks	\$889
Brookings	cz255o	16.4	3rd St	5th Ave	6th Ave	AC	2008	Patch, rout & seal cracks	\$889

Table B.1. Summary of South Dakota City Street Needs Assessment (continued).

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Brookings	cz736o	15.8	Western Ave or FAU 3333	8th St	6th St	AC	2008	Patch, rout & seal cracks, & apply surface treatment	\$12,032
Brookings	cz736o	15.8	Western Ave or FAU 3333	8th St	6th St	AC	2013	Remove and replace AC layer	\$43,196
Brookings	cz736o	17.5	Western Ave or FAU 3333	Trail Ridge Rd	20th St S	Gravel	1995	Regrade surface	\$2,661
Brookings	cz736o	17.5	Western Ave or FAU 3333	Trail Ridge Rd	20th St S	Gravel	1997	Regrade surface, patch, and clean ditches & culverts	\$6,843
Brookings	cz736o	17.5	Western Ave or FAU 3333	Trail Ridge Rd	20th St S	Gravel	1999	Regrade, add new gravel layer, and clean ditches & culverts	\$15,826
Brookings	cz736o	17.5	Western Ave or FAU 3333	Trail Ridge Rd	20th St S	Gravel	2001	Regrade surface	\$2,661
Brookings	cz736o	17.5	Western Ave or FAU 3333	Trail Ridge Rd	20th St S	Gravel	2003	Regrade surface, patch, and clean ditches & culverts	\$6,843
Brookings	cz736o	17.5	Western Ave or FAU 3333	Trail Ridge Rd	20th St S	Gravel	2005	Regrade, add new gravel layer, and clean ditches & culverts	\$15,826
Brookings	cz736o	17.5	Western Ave or FAU 3333	Trail Ridge Rd	20th St S	Gravel	2007	Regrade surface	\$2,661
Brookings	cz736o	17.5	Western Ave or FAU 3333	Trail Ridge Rd	20th St S	Gravel	2009	Regrade surface, patch, and clean ditches & culverts	\$6,843
Brookings	cz736o	17.5	Western Ave or FAU 3333	Trail Ridge Rd	20th St S	Gravel	2011	Regrade, add new gravel layer, and clean ditches & culverts	\$15,826
Brookings	cz736o	17.5	Western Ave or FAU 3333	Trail Ridge Rd	20th St S	Gravel	2013	Regrade surface	\$2,661
Brookings	cz744o	16.6	Main Ave	2nd St	8th St S	AC	1995	Rout & seal cracks	\$5,687
Brookings	cz744o	16.6	Main Ave	2nd St	8th St S	AC	1997	Patch, rout & seal cracks	\$10,082
Brookings	cz744o	16.6	Main Ave	2nd St	8th St S	AC	1999	Patch, rout & seal cracks	\$10,082
Brookings	cz744o	16.6	Main Ave	2nd St	8th St S	AC	2001	Patch, rout & seal cracks	\$10,082
Brookings	cz744o	16.6	Main Ave	2nd St	8th St S	AC	2003	Patch, rout & seal cracks	\$10,082
Brookings	cz744o	16.6	Main Ave	2nd St	8th St S	AC	2005	Patch, rout & seal cracks, & apply surface treatment	\$46,014
Brookings	cz744o	16.6	Main Ave	2nd St	8th St S	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$46,014
Brookings	cz744o	17.3	Main Ave	12th St	20th St S	AC	1998	Rout & seal cracks	\$3,159
Brookings	cz744o	17.3	Main Ave	12th St	20th St S	AC	2000	Rout & seal cracks	\$3,159
Brookings	cz744o	17.3	Main Ave	12th St	20th St S	AC	2002	Patch, rout & seal cracks	\$5,600
Brookings	cz744o	17.3	Main Ave	12th St	20th St S	AC	2004	Patch, rout & seal cracks	\$5,600
Brookings	cz744o	17.3	Main Ave	12th St	20th St S	AC	2006	Patch, rout & seal cracks	\$5,600
Brookings	cz744o	17.3	Main Ave	12th St	20th St S	AC	2008	Patch, rout & seal cracks, & apply surface treatment	\$25,563
Brookings	cz744o	17.3	Main Ave	12th St	20th St S	AC	2013	Patch, rout & seal cracks, & apply surface treatment	\$25,563
Brookings	cz746o	16.3	6th Ave	3rd St	2nd St S	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$11,277
Brookings	cz746o	16.3	6th Ave	3rd St	2nd St S	AC	2000	Patch, rout & seal cracks, & apply surface treatment	\$11,277
Brookings	cz746o	16.3	6th Ave	3rd St	2nd St S	AC	2005	Patch, rout & seal cracks, & overlay	\$25,533
Brookings	cz746o	16.3	6th Ave	3rd St	2nd St S	AC	2010	Rout & seal cracks	\$1,394
Brookings	cz746o	16.3	6th Ave	3rd St	2nd St S	AC	2012	Rout & seal cracks	\$1,394
Brookings	cz746o	16.3	6th Ave	3rd St	2nd St S	AC	2014	Patch, rout & seal cracks	\$2,471
Brookings	cz750o	14.4	Medary Ave	NCL	.180 mi S	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$6,766
Brookings	cz750o	14.4	Medary Ave	NCL	.180 mi S	AC	2000	Patch, rout & seal cracks, & apply surface treatment	\$6,766
Brookings	cz750o	14.4	Medary Ave	NCL	.180 mi S	AC	2005	Patch, rout & seal cracks, & overlay	\$15,320
Brookings	cz750o	14.4	Medary Ave	NCL	.180 mi S	AC	2010	Rout & seal cracks	\$836
Brookings	cz750o	14.4	Medary Ave	NCL	.180 mi S	AC	2012	Rout & seal cracks	\$836
Brookings	cz750o	14.4	Medary Ave	NCL	.180 mi S	AC	2014	Patch, rout & seal cracks	\$1,482
Brookings	cz750o	14.6	Medary Ave	US14B	.330 mi N	AC	1995	Patch, rout & seal cracks	\$2,717
Brookings	cz750o	14.6	Medary Ave	US14B	.330 mi N	AC	1997	Patch, rout & seal cracks, & apply surface treatment	\$12,406

Table B.1. Summary of South Dakota City Street Needs Assessment (continued).

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Brookings	cz770o	14.7	22nd Avenue	NCL	18th St	Gravel	2003	Regrade surface	\$1,626
Brookings	cz770o	14.7	22nd Avenue	NCL	18th St	Gravel	2005	Regrade surface, patch, and clean ditches & culverts	\$4,181
Brookings	cz770o	14.7	22nd Avenue	NCL	18th St	Gravel	2007	Regrade, add new gravel layer, and clean ditches & culverts	\$9,670
Brookings	cz770o	14.7	22nd Avenue	NCL	18th St	Gravel	2009	Regrade surface	\$1,626
Brookings	cz770o	14.7	22nd Avenue	NCL	18th St	Gravel	2011	Regrade surface, patch, and clean ditches & culverts	\$4,181
Brookings	cz770o	16.5	22nd Avenue	Olwein St	Orchard Dr	AC	1995	Rout & seal cracks	\$1,672
Brookings	cz770o	16.5	22nd Avenue	Olwein St	Orchard Dr	AC	1997	Patch, rout & seal cracks	\$2,965
Brookings	cz770o	16.5	22nd Avenue	Olwein St	Orchard Dr	AC	1999	Patch, rout & seal cracks	\$2,965
Brookings	cz770o	16.5	22nd Avenue	Olwein St	Orchard Dr	AC	2001	Patch, rout & seal cracks	\$2,965
Brookings	cz770o	16.5	22nd Avenue	Olwein St	Orchard Dr	AC	2003	Patch, rout & seal cracks, & apply surface treatment	\$13,533
Brookings	cz770o	16.5	22nd Avenue	Olwein St	Orchard Dr	AC	2008	Patch, rout & seal cracks, & apply surface treatment	\$13,533
Brookings	cz770o	16.5	22nd Avenue	Olwein St	Orchard Dr	AC	2013	Patch, rout & seal cracks, & overlay	\$30,640
Brookings	cz770o	16.9	22nd Avenue	8th St S	Proposed 12th St S	AC	1995	Patch, rout & seal cracks	\$3,261
Brookings	cz770o	16.9	22nd Avenue	8th St S	Proposed 12th St S	AC	1997	Patch, rout & seal cracks	\$3,261
Brookings	cz770o	16.9	22nd Avenue	8th St S	Proposed 12th St S	AC	1999	Patch, rout & seal cracks	\$3,261
Brookings	cz770o	16.9	22nd Avenue	8th St S	Proposed 12th St S	AC	2001	Patch, rout & seal cracks	\$3,261
Brookings	cz770o	16.9	22nd Avenue	8th St S	Proposed 12th St S	AC	2003	Patch, rout & seal cracks, & apply surface treatment	\$14,887
Brookings	cz770o	16.9	22nd Avenue	8th St S	Proposed 12th St S	AC	2008	Patch, rout & seal cracks, & apply surface treatment	\$14,887
Brookings	cz770o	16.9	22nd Avenue	8th St S	Proposed 12th St S	AC	2013	Patch, rout & seal cracks, & overlay	\$33,705
Huron	lb231o	23.5	15th St NE	North City Limits	Dakota Avenue	AC	1995	Patch, rout & seal cracks, & overlay	\$58,217
Huron	lb231o	23.5	15th St NE	North City Limits	Dakota Avenue	AC	2000	Rout & seal cracks	\$3,178
Huron	lb231o	23.5	15th St NE	North City Limits	Dakota Avenue	AC	2002	Rout & seal cracks	\$3,178
Huron	lb231o	23.5	15th St NE	North City Limits	Dakota Avenue	AC	2004	Patch, rout & seal cracks	\$5,634
Huron	lb231o	23.5	15th St NE	North City Limits	Dakota Avenue	AC	2006	Patch, rout & seal cracks	\$5,634
Huron	lb231o	23.5	15th St NE	North City Limits	Dakota Avenue	AC	2008	Patch, rout & seal cracks	\$5,634
Huron	lb231o	23.5	15th St NE	North City Limits	Dakota Avenue	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$25,713
Huron	lb246o	23.5	Market Road	Montana Avenue	Dakota Avenue	PCC	1995	Rout & seal cracks and joints	\$37,131
Huron	lb246o	23.5	Market Road	Montana Avenue	Dakota Avenue	PCC	2000	Repair spalls, patch, and seal cracks and joints	\$64,115
Huron	lb246o	23.5	Market Road	Montana Avenue	Dakota Avenue	PCC	2005	Repair spalls, patch, and seal cracks and joints	\$64,115
Huron	lb246o	23.5	Market Road	Montana Avenue	Dakota Avenue	PCC	2010	Repair spalls, patch, replace slabs, and seal cracks & joints	\$169,744
Huron	lb246o	24	Market Road	Dakota Avenue	Iowa Avenue	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$16,917
Huron	lb246o	24	Market Road	Dakota Avenue	Iowa Avenue	AC	2000	Patch, rout & seal cracks, & apply surface treatment	\$16,917
Huron	lb246o	24	Market Road	Dakota Avenue	Iowa Avenue	AC	2005	Patch, rout & seal cracks, & overlay	\$38,301
Huron	lb246o	24	Market Road	Dakota Avenue	Iowa Avenue	AC	2010	Rout & seal cracks	\$2,090
Huron	lb246o	24	Market Road	Dakota Avenue	Iowa Avenue	AC	2012	Rout & seal cracks	\$2,090
Huron	lb246o	24	Market Road	Dakota Avenue	Iowa Avenue	AC	2014	Patch, rout & seal cracks	\$3,706
Huron	lb250o	22.4	3rd St SW	West City Limits	Pennington Avenue	Gravel	1995	Regrade surface, patch, and clean ditches & culverts	\$2,715
Huron	lb250o	22.4	3rd St SW	West City Limits	Pennington Avenue	Gravel	1997	Regrade, add new gravel layer, and clean ditches & culverts	\$6,280
Huron	lb250o	22.4	3rd St SW	West City Limits	Pennington Avenue	Gravel	1999	Regrade surface	\$1,056
Huron	lb250o	22.4	3rd St SW	West City Limits	Pennington Avenue	Gravel	2001	Regrade surface, patch, and clean ditches & culverts	\$2,715

Table B.1. Summary of South Dakota City Street Needs Assessment (continued).

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Huron	lb268o	23.68	18th Street Southwest	Ohio Avenue	Illinois Avenue	AC	2000	Patch, rout & seal cracks, & apply surface treatment	\$4,473
Huron	lb268o	23.68	18th Street Southwest	Ohio Avenue	Illinois Avenue	AC	2005	Patch, rout & seal cracks, & overlay	\$10,128
Huron	lb268o	23.68	18th Street Southwest	Ohio Avenue	Illinois Avenue	AC	2010	Rout & seal cracks	\$552
Huron	lb268o	23.68	18th Street Southwest	Ohio Avenue	Illinois Avenue	AC	2012	Rout & seal cracks	\$552
Huron	lb268o	23.68	18th Street Southwest	Ohio Avenue	Illinois Avenue	AC	2014	Patch, rout & seal cracks	\$980
Huron	lb268o	24	18th Street Southwest	Dakota Avenue	Iowa Avenue	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$13,533
Huron	lb268o	24	18th Street Southwest	Dakota Avenue	Iowa Avenue	AC	2000	Patch, rout & seal cracks, & overlay	\$30,640
Huron	lb268o	24	18th Street Southwest	Dakota Avenue	Iowa Avenue	AC	2005	Rout & seal cracks	\$1,672
Huron	lb268o	24	18th Street Southwest	Dakota Avenue	Iowa Avenue	AC	2007	Rout & seal cracks	\$1,672
Huron	lb268o	24	18th Street Southwest	Dakota Avenue	Iowa Avenue	AC	2009	Patch, rout & seal cracks	\$2,965
Huron	lb268o	24	18th Street Southwest	Dakota Avenue	Iowa Avenue	AC	2011	Patch, rout & seal cracks	\$2,965
Huron	lb268o	24	18th Street Southwest	Dakota Avenue	Iowa Avenue	AC	2013	Patch, rout & seal cracks	\$2,965
Huron	lb268o	24.3	18th Street Southwest	Utah Avenue	Frank Avenue	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$9,471
Huron	lb268o	24.3	18th Street Southwest	Utah Avenue	Frank Avenue	AC	2000	Patch, rout & seal cracks, & apply surface treatment	\$9,471
Huron	lb268o	24.3	18th Street Southwest	Utah Avenue	Frank Avenue	AC	2005	Patch, rout & seal cracks, & overlay	\$21,443
Huron	lb268o	24.3	18th Street Southwest	Utah Avenue	Frank Avenue	AC	2010	Rout & seal cracks	\$1,170
Huron	lb268o	24.3	18th Street Southwest	Utah Avenue	Frank Avenue	AC	2012	Rout & seal cracks	\$1,170
Huron	lb268o	24.3	18th Street Southwest	Utah Avenue	Frank Avenue	AC	2014	Patch, rout & seal cracks	\$2,075
Huron	lb734	23.16	21st Street Southwest	Arizona Avenue	Dakota Avenue	AC	1995	Patch, rout & seal cracks	\$14,826
Huron	lb734	23.16	21st Street Southwest	Arizona Avenue	Dakota Avenue	AC	1997	Patch, rout & seal cracks	\$14,826
Huron	lb734	23.16	21st Street Southwest	Arizona Avenue	Dakota Avenue	AC	1999	Patch, rout & seal cracks, & apply surface treatment	\$67,668
Huron	lb734	23.16	21st Street Southwest	Arizona Avenue	Dakota Avenue	AC	2004	Patch, rout & seal cracks, & apply surface treatment	\$67,668
Huron	lb734	23.16	21st Street Southwest	Arizona Avenue	Dakota Avenue	AC	2009	Patch, rout & seal cracks, & overlay	\$153,204
Huron	lb734	23.16	21st Street Southwest	Arizona Avenue	Dakota Avenue	AC	2014	Rout & seal cracks	\$8,363
Huron	lb734o	17.7	Lincoln Avenue (NE & SW	US 14	North City Limits	AC	1995	Patch, rout & seal cracks	\$1,976
Huron	lb734o	17.7	Lincoln Avenue (NE & SW	US 14	North City Limits	AC	1997	Patch, rout & seal cracks	\$1,976
Huron	lb734o	17.7	Lincoln Avenue (NE & SW	US 14	North City Limits	AC	1999	Patch, rout & seal cracks	\$1,976
Huron	lb734o	17.7	Lincoln Avenue (NE & SW	US 14	North City Limits	AC	2001	Patch, rout & seal cracks, & apply surface treatment	\$9,022
Huron	lb734o	17.7	Lincoln Avenue (NE & SW	US 14	North City Limits	AC	2006	Patch, rout & seal cracks, & apply surface treatment	\$9,022
Huron	lb734o	17.7	Lincoln Avenue (NE & SW	US 14	North City Limits	AC	2011	Patch, rout & seal cracks, & overlay	\$20,427
Huron	lb734o	18.5	Lincoln Avenue (NE & SW	3rd Street	4th Street	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$7,218
Huron	lb734o	18.5	Lincoln Avenue (NE & SW	3rd Street	4th Street	AC	2000	Patch, rout & seal cracks, & apply surface treatment	\$7,218
Huron	lb734o	18.5	Lincoln Avenue (NE & SW	3rd Street	4th Street	AC	2005	Patch, rout & seal cracks, & overlay	\$16,341
Huron	lb734o	18.5	Lincoln Avenue (NE & SW	3rd Street	4th Street	AC	2010	Rout & seal cracks	\$892
Huron	lb734o	18.5	Lincoln Avenue (NE & SW	3rd Street	4th Street	AC	2012	Rout & seal cracks	\$892
Huron	lb734o	18.5	Lincoln Avenue (NE & SW	3rd Street	4th Street	AC	2014	Patch, rout & seal cracks	\$1,581
Huron	lb734o	19	Lincoln Avenue (NE & SW	9th Street	10th Street	AC	1995	Patch, rout & seal cracks	\$1,499
Huron	lb734o	19	Lincoln Avenue (NE & SW	9th Street	10th Street	AC	1997	Patch, rout & seal cracks	\$1,499
Huron	lb734o	19	Lincoln Avenue (NE & SW	9th Street	10th Street	AC	1999	Patch, rout & seal cracks	\$1,499
Huron	lb734o	19	Lincoln Avenue (NE & SW	9th Street	10th Street	AC	2001	Patch, rout & seal cracks	\$1,499

Table B.1. Summary of South Dakota City Street Needs Assessment (continued).

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Huron	lb757o	18.5	Frank Avenue	3rd Street	4th Street	AC	1999	Patch, rout & seal cracks	\$1,260
Huron	lb757o	18.5	Frank Avenue	3rd Street	4th Street	AC	2001	Patch, rout & seal cracks, & apply surface treatment	\$5,751
Huron	lb757o	18.5	Frank Avenue	3rd Street	4th Street	AC	2006	Patch, rout & seal cracks, & apply surface treatment	\$5,751
Huron	lb757o	18.5	Frank Avenue	3rd Street	4th Street	AC	2011	Patch, rout & seal cracks, & overlay	\$13,022
Huron	lb757o	19	Frank Avenue	9th Street	10th Street	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$5,113
Huron	lb757o	19	Frank Avenue	9th Street	10th Street	AC	2000	Patch, rout & seal cracks, & apply surface treatment	\$5,113
Huron	lb757o	19	Frank Avenue	9th Street	10th Street	AC	2005	Patch, rout & seal cracks, & overlay	\$11,575
Huron	lb757o	19	Frank Avenue	9th Street	10th Street	AC	2010	Rout & seal cracks	\$631
Huron	lb757o	19	Frank Avenue	9th Street	10th Street	AC	2012	Rout & seal cracks	\$631
Huron	lb757o	19	Frank Avenue	9th Street	10th Street	AC	2014	Patch, rout & seal cracks	\$1,119
Huron	lb757o	19.3	Frank Avenue	13th Street	15th Street	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$13,533
Huron	lb757o	19.3	Frank Avenue	13th Street	15th Street	AC	2000	Patch, rout & seal cracks, & apply surface treatment	\$13,533
Huron	lb757o	19.3	Frank Avenue	13th Street	15th Street	AC	2005	Patch, rout & seal cracks, & overlay	\$30,640
Huron	lb757o	19.3	Frank Avenue	13th Street	15th Street	AC	2010	Rout & seal cracks	\$1,672
Huron	lb757o	19.3	Frank Avenue	13th Street	15th Street	AC	2012	Rout & seal cracks	\$1,672
Huron	lb757o	19.3	Frank Avenue	13th Street	15th Street	AC	2014	Patch, rout & seal cracks	\$2,965
Huron	lb762o	17.7	Jersey Avenue	North City Limits	US 14	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$21,491
Huron	lb762o	17.7	Jersey Avenue	North City Limits	US 14	AC	2000	Patch, rout & seal cracks, & apply surface treatment	\$21,491
Huron	lb762o	17.7	Jersey Avenue	North City Limits	US 14	AC	2005	Patch, rout & seal cracks, & overlay	\$48,657
Huron	lb762o	17.7	Jersey Avenue	North City Limits	US 14	AC	2010	Rout & seal cracks	\$2,655
Huron	lb762o	17.7	Jersey Avenue	North City Limits	US 14	AC	2012	Rout & seal cracks	\$2,655
Huron	lb762o	17.7	Jersey Avenue	North City Limits	US 14	AC	2014	Patch, rout & seal cracks	\$4,708
Huron	lb762o	18	Jersey Avenue	US 14	Railroad	Blotter	1995	Pulverize, regrade, and apply surface treatment	\$24,768
Huron	lb762o	18	Jersey Avenue	US 14	Railroad	Blotter	2000	Patch and apply surface treatment	\$13,771
Huron	lb762o	18	Jersey Avenue	US 14	Railroad	Blotter	2005	Patch and apply surface treatment	\$13,771
Huron	lb762o	18	Jersey Avenue	US 14	Railroad	Blotter	2010	Patch and apply surface treatment	\$13,771
Madison	nn240o	12	9th Street Northwest	Highland Avenue	North City Limits	AC	1995	Reconstruct with new AC pavement	\$117,429
Madison	nn240o	12	9th Street Northwest	Highland Avenue	North City Limits	AC	2000	Rout & seal cracks	\$2,113
Madison	nn240o	12	9th Street Northwest	Highland Avenue	North City Limits	AC	2002	Rout & seal cracks	\$2,113
Madison	nn240o	12	9th Street Northwest	Highland Avenue	North City Limits	AC	2004	Patch, rout & seal cracks	\$3,747
Madison	nn240o	12	9th Street Northwest	Highland Avenue	North City Limits	AC	2006	Patch, rout & seal cracks	\$3,747
Madison	nn240o	12	9th Street Northwest	Highland Avenue	North City Limits	AC	2008	Patch, rout & seal cracks	\$3,747
Madison	nn240o	12	9th Street Northwest	Highland Avenue	North City Limits	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$17,105
Madison	nn242o	13	8th Street Northeast	Washington Avenue North	Prairie Avenue North	AC	1995	Patch, rout & seal cracks	\$2,768
Madison	nn242o	13	8th Street Northeast	Washington Avenue North	Prairie Avenue North	AC	1997	Patch, rout & seal cracks	\$2,768
Madison	nn242o	13	8th Street Northeast	Washington Avenue North	Prairie Avenue North	AC	1999	Patch, rout & seal cracks	\$2,768
Madison	nn242o	13	8th Street Northeast	Washington Avenue North	Prairie Avenue North	AC	2001	Patch, rout & seal cracks, & apply surface treatment	\$12,633
Madison	nn242o	13	8th Street Northeast	Washington Avenue North	Prairie Avenue North	AC	2006	Patch, rout & seal cracks, & apply surface treatment	\$12,633
Madison	nn242o	13	8th Street Northeast	Washington Avenue North	Prairie Avenue North	AC	2011	Patch, rout & seal cracks, & overlay	\$28,603
Madison	nn245o	12.5	5th Street Northwest	Union Avenue North	Egan Avenue North	AC	1995	Reconstruct with new AC pavement	\$103,234

Table B.1. Summary of South Dakota City Street Needs Assessment (continued).

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Madison	nn252o	12.7	2nd Street Southeast	Van Eps Avenue	Harth Avenue South	AC	2013	Patch, rout & seal cracks	\$1,853
Madison	nn253o	12.5	3rd Street Southwest	Union Avenue South	Egan Avenue South	Gravel	1995	Regrade surface	\$2,838
Madison	nn253o	12.5	3rd Street Southwest	Union Avenue South	Egan Avenue South	Gravel	1997	Regrade surface, patch, and clean ditches & culverts	\$7,299
Madison	nn253o	12.5	3rd Street Southwest	Union Avenue South	Egan Avenue South	Gravel	1999	Regrade, add new gravel layer, and clean ditches & culverts	\$16,879
Madison	nn253o	12.5	3rd Street Southwest	Union Avenue South	Egan Avenue South	Gravel	2001	Regrade surface	\$2,838
Madison	nn253o	12.5	3rd Street Southwest	Union Avenue South	Egan Avenue South	Gravel	2003	Regrade surface, patch, and clean ditches & culverts	\$7,299
Madison	nn253o	12.5	3rd Street Southwest	Union Avenue South	Egan Avenue South	Gravel	2005	Regrade, add new gravel layer, and clean ditches & culverts	\$16,879
Madison	nn253o	12.5	3rd Street Southwest	Union Avenue South	Egan Avenue South	Gravel	2007	Regrade surface	\$2,838
Madison	nn253o	12.5	3rd Street Southwest	Union Avenue South	Egan Avenue South	Gravel	2009	Regrade surface, patch, and clean ditches & culverts	\$7,299
Madison	nn253o	12.5	3rd Street Southwest	Union Avenue South	Egan Avenue South	Gravel	2011	Regrade, add new gravel layer, and clean ditches & culverts	\$16,879
Madison	nn253o	12.5	3rd Street Southwest	Union Avenue South	Egan Avenue South	Gravel	2013	Regrade surface	\$2,838
Madison	nn254o	12	4th Street Southwest	Highland Avenue South	Olive Avenue South	AC	1995	Patch, rout & seal cracks	\$2,241
Madison	nn254o	12	4th Street Southwest	Highland Avenue South	Olive Avenue South	AC	1997	Patch, rout & seal cracks	\$2,241
Madison	nn254o	12	4th Street Southwest	Highland Avenue South	Olive Avenue South	AC	1999	Patch, rout & seal cracks, & apply surface treatment	\$10,229
Madison	nn254o	12	4th Street Southwest	Highland Avenue South	Olive Avenue South	AC	2004	Patch, rout & seal cracks, & apply surface treatment	\$10,229
Madison	nn254o	12	4th Street Southwest	Highland Avenue South	Olive Avenue South	AC	2009	Patch, rout & seal cracks, & overlay	\$23,161
Madison	nn254o	12	4th Street Southwest	Highland Avenue South	Olive Avenue South	AC	2014	Rout & seal cracks	\$1,264
Madison	nn254o	12.2	4th Street Southwest	Olive Avenue South	Union Avenue South	AC	1995	Patch, rout & seal cracks	\$10,410
Madison	nn254o	12.2	4th Street Southwest	Olive Avenue South	Union Avenue South	AC	1997	Patch, rout & seal cracks	\$10,410
Madison	nn254o	12.2	4th Street Southwest	Olive Avenue South	Union Avenue South	AC	1999	Patch, rout & seal cracks, & apply surface treatment	\$47,515
Madison	nn254o	12.2	4th Street Southwest	Olive Avenue South	Union Avenue South	AC	2004	Patch, rout & seal cracks, & apply surface treatment	\$47,515
Madison	nn254o	12.2	4th Street Southwest	Olive Avenue South	Union Avenue South	AC	2009	Patch, rout & seal cracks, & overlay	\$107,578
Madison	nn254o	12.2	4th Street Southwest	Olive Avenue South	Union Avenue South	AC	2014	Rout & seal cracks	\$5,872
Madison	nn739o	12.3	Olive Avenue	8th Street Northwest	9th Street Northwest	Gravel	1995	Regrade, add new gravel layer, and clean ditches & culverts	\$2,322
Madison	nn739o	12.3	Olive Avenue	8th Street Northwest	9th Street Northwest	Gravel	1997	Regrade surface	\$390
Madison	nn739o	12.3	Olive Avenue	8th Street Northwest	9th Street Northwest	Gravel	1999	Regrade surface, patch, and clean ditches & culverts	\$1,004
Madison	nn739o	12.3	Olive Avenue	8th Street Northwest	9th Street Northwest	Gravel	2001	Regrade, add new gravel layer, and clean ditches & culverts	\$2,322
Madison	nn739o	12.3	Olive Avenue	8th Street Northwest	9th Street Northwest	Gravel	2003	Regrade surface	\$390
Madison	nn739o	12.3	Olive Avenue	8th Street Northwest	9th Street Northwest	Gravel	2005	Regrade surface, patch, and clean ditches & culverts	\$1,004
Madison	nn739o	12.3	Olive Avenue	8th Street Northwest	9th Street Northwest	Gravel	2007	Regrade, add new gravel layer, and clean ditches & culverts	\$2,322
Madison	nn739o	12.3	Olive Avenue	8th Street Northwest	9th Street Northwest	Gravel	2009	Regrade surface	\$390
Madison	nn739o	12.3	Olive Avenue	8th Street Northwest	9th Street Northwest	Gravel	2011	Regrade surface, patch, and clean ditches & culverts	\$1,004
Madison	nn743o	12.3	Union Avenue	6th Street Northwest	9th Street Northwest	AC	1995	Patch, rout & seal cracks	\$3,162
Madison	nn743o	12.3	Union Avenue	6th Street Northwest	9th Street Northwest	AC	1997	Patch, rout & seal cracks	\$3,162
Madison	nn743o	12.3	Union Avenue	6th Street Northwest	9th Street Northwest	AC	1999	Patch, rout & seal cracks, & apply surface treatment	\$14,433
Madison	nn743o	12.3	Union Avenue	6th Street Northwest	9th Street Northwest	AC	2004	Patch, rout & seal cracks, & apply surface treatment	\$14,433
Madison	nn743o	12.3	Union Avenue	6th Street Northwest	9th Street Northwest	AC	2009	Patch, rout & seal cracks, & overlay	\$32,678
Madison	nn743o	12.3	Union Avenue	6th Street Northwest	9th Street Northwest	AC	2014	Rout & seal cracks	\$1,783
Madison	nn743o	12.6	Union Avenue	2nd Street Northwest	6th Street Northwest	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$17,441
Madison	nn743o	12.6	Union Avenue	2nd Street Northwest	6th Street Northwest	AC	2000	Patch, rout & seal cracks, & overlay	\$39,487

Table B.1. Summary of South Dakota City Street Needs Assessment (continued).

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Madison	nn747o	13	Eagan Avenue	1st Street Southeast	2nd Street Northeast	AC	2008	Patch, rout & seal cracks, & apply surface treatment	\$16,546
Madison	nn747o	13	Eagan Avenue	1st Street Southeast	2nd Street Northeast	AC	2013	Remove and replace AC layer	\$59,401
Madison	nn747o	13.6	Eagan Avenue	4th Street Southeast	Silver Creek	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$6,619
Madison	nn747o	13.6	Eagan Avenue	4th Street Southeast	Silver Creek	AC	2000	Patch, rout & seal cracks, & apply surface treatment	\$6,619
Madison	nn747o	13.6	Eagan Avenue	4th Street Southeast	Silver Creek	AC	2005	Remove and replace AC layer	\$23,760
Madison	nn747o	13.6	Eagan Avenue	4th Street Southeast	Silver Creek	AC	2010	Rout & seal cracks	\$817
Madison	nn747o	13.6	Eagan Avenue	4th Street Southeast	Silver Creek	AC	2012	Rout & seal cracks	\$817
Madison	nn747o	13.6	Eagan Avenue	4th Street Southeast	Silver Creek	AC	2014	Patch, rout & seal cracks	\$1,450
Madison	nn748o	13.2	Harth Avenue	Center Street East	2nd Street Southeast	AC	1995	Patch, rout & seal cracks	\$3,227
Madison	nn748o	13.2	Harth Avenue	Center Street East	2nd Street Southeast	AC	1997	Patch, rout & seal cracks	\$3,227
Madison	nn748o	13.2	Harth Avenue	Center Street East	2nd Street Southeast	AC	1999	Patch, rout & seal cracks, & apply surface treatment	\$14,732
Madison	nn748o	13.2	Harth Avenue	Center Street East	2nd Street Southeast	AC	2004	Patch, rout & seal cracks, & apply surface treatment	\$14,732
Madison	nn748o	13.2	Harth Avenue	Center Street East	2nd Street Southeast	AC	2009	Remove and replace AC layer	\$52,888
Madison	nn748o	13.2	Harth Avenue	Center Street East	2nd Street Southeast	AC	2014	Rout & seal cracks	\$1,821
Madison	nn750o	12.2	Washington Avenue	9th Street Northeast	Northwest Urban Limits	AC	1995	Patch, rout & seal cracks, & overlay	\$42,221
Madison	nn750o	12.2	Washington Avenue	9th Street Northeast	Northwest Urban Limits	AC	2000	Rout & seal cracks	\$2,305
Madison	nn750o	12.2	Washington Avenue	9th Street Northeast	Northwest Urban Limits	AC	2002	Rout & seal cracks	\$2,305
Madison	nn750o	12.2	Washington Avenue	9th Street Northeast	Northwest Urban Limits	AC	2004	Patch, rout & seal cracks	\$4,085
Madison	nn750o	12.2	Washington Avenue	9th Street Northeast	Northwest Urban Limits	AC	2006	Patch, rout & seal cracks	\$4,085
Madison	nn750o	12.2	Washington Avenue	9th Street Northeast	Northwest Urban Limits	AC	2008	Patch, rout & seal cracks	\$4,085
Madison	nn750o	12.2	Washington Avenue	9th Street Northeast	Northwest Urban Limits	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$18,648
Madison	nn750o	13	Washington Avenue	2nd Street Northeast	9th Street Northeast	AC	1995	Remove and replace AC layer	\$116,594
Madison	nn750o	13	Washington Avenue	2nd Street Northeast	9th Street Northeast	AC	2000	Rout & seal cracks	\$4,014
Madison	nn750o	13	Washington Avenue	2nd Street Northeast	9th Street Northeast	AC	2002	Rout & seal cracks	\$4,014
Madison	nn750o	13	Washington Avenue	2nd Street Northeast	9th Street Northeast	AC	2004	Patch, rout & seal cracks	\$7,116
Madison	nn750o	13	Washington Avenue	2nd Street Northeast	9th Street Northeast	AC	2006	Patch, rout & seal cracks	\$7,116
Madison	nn750o	13	Washington Avenue	2nd Street Northeast	9th Street Northeast	AC	2008	Patch, rout & seal cracks	\$7,116
Madison	nn750o	13	Washington Avenue	2nd Street Northeast	9th Street Northeast	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$32,478
Madison	nn752a	13.7	Frank Street	9th Street Southeast	6th Street Southeast	Gravel	1995	Regrade, add new gravel layer, and clean ditches & culverts	\$5,275
Madison	nn752a	13.7	Frank Street	9th Street Southeast	6th Street Southeast	Gravel	1997	Regrade surface	\$887
Madison	nn752a	13.7	Frank Street	9th Street Southeast	6th Street Southeast	Gravel	1999	Regrade surface, patch, and clean ditches & culverts	\$2,280
Madison	nn752a	13.7	Frank Street	9th Street Southeast	6th Street Southeast	Gravel	2001	Regrade, add new gravel layer, and clean ditches & culverts	\$5,275
Madison	nn752a	13.7	Frank Street	9th Street Southeast	6th Street Southeast	Gravel	2003	Regrade surface	\$887
Madison	nn752a	13.7	Frank Street	9th Street Southeast	6th Street Southeast	Gravel	2005	Regrade surface, patch, and clean ditches & culverts	\$2,280
Madison	nn752a	13.7	Frank Street	9th Street Southeast	6th Street Southeast	Gravel	2007	Regrade, add new gravel layer, and clean ditches & culverts	\$5,275
Madison	nn752a	13.7	Frank Street	9th Street Southeast	6th Street Southeast	Gravel	2009	Regrade surface	\$887
Madison	nn752a	13.7	Frank Street	9th Street Southeast	6th Street Southeast	Gravel	2011	Regrade surface, patch, and clean ditches & culverts	\$2,280
Madison	nn759o	12.5	Division Avenue	Center Street East	Maplewood Drive	Blotter	2000	Patch and apply surface treatment	\$16,557
Madison	nn759o	12.5	Division Avenue	Center Street East	Maplewood Drive	Blotter	2005	Patch and apply surface treatment	\$16,557
Madison	nn759o	12.5	Division Avenue	Center Street East	Maplewood Drive	Blotter	2010	Patch and apply surface treatment	\$16,557



Table B.1. Summary of South Dakota City Street Needs Assessment (continued).

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Mitchell	oj747o	9.1	Minnesota	7th Avenue West	3rd Avenue West	AC	2011	Patch, rout & seal cracks, & overlay	\$45,974
Mitchell	oj747o	9.7	Minnesota	Cedar Avenue West	Havens Avenue West	AC	1995	Patch, rout & seal cracks	\$5,273
Mitchell	oj747o	9.7	Minnesota	Cedar Avenue West	Havens Avenue West	AC	1997	Patch, rout & seal cracks	\$5,273
Mitchell	oj747o	9.7	Minnesota	Cedar Avenue West	Havens Avenue West	AC	1999	Patch, rout & seal cracks	\$5,273
Mitchell	oj747o	9.7	Minnesota	Cedar Avenue West	Havens Avenue West	AC	2001	Patch, rout & seal cracks, & apply surface treatment	\$24,065
Mitchell	oj747o	9.7	Minnesota	Cedar Avenue West	Havens Avenue West	AC	2006	Patch, rout & seal cracks, & apply surface treatment	\$24,065
Mitchell	oj747o	9.7	Minnesota	Cedar Avenue West	Havens Avenue West	AC	2011	Patch, rout & seal cracks, & overlay	\$54,486
Mitchell	oj747o	10	Minnesota	Havens Avenue West	McCabe	AC	1995	Patch, rout & seal cracks, & overlay	\$25,533
Mitchell	oj747o	10	Minnesota	Havens Avenue West	McCabe	AC	2000	Rout & seal cracks	\$1,394
Mitchell	oj747o	10	Minnesota	Havens Avenue West	McCabe	AC	2002	Rout & seal cracks	\$1,394
Mitchell	oj747o	10	Minnesota	Havens Avenue West	McCabe	AC	2004	Patch, rout & seal cracks	\$2,471
Mitchell	oj747o	10	Minnesota	Havens Avenue West	McCabe	AC	2006	Patch, rout & seal cracks	\$2,471
Mitchell	oj747o	10	Minnesota	Havens Avenue West	McCabe	AC	2008	Patch, rout & seal cracks	\$2,471
Mitchell	oj747o	10	Minnesota	Havens Avenue West	McCabe	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$11,277
Mitchell	oj748o	8.5	Wisconsin Street	15th Avenue West	13th Avenue West	AC	1995	Patch, rout & seal cracks	\$3,113
Mitchell	oj748o	8.5	Wisconsin Street	15th Avenue West	13th Avenue West	AC	1997	Patch, rout & seal cracks	\$3,113
Mitchell	oj748o	8.5	Wisconsin Street	15th Avenue West	13th Avenue West	AC	1999	Patch, rout & seal cracks	\$3,113
Mitchell	oj748o	8.5	Wisconsin Street	15th Avenue West	13th Avenue West	AC	2001	Patch, rout & seal cracks, & apply surface treatment	\$14,212
Mitchell	oj748o	8.5	Wisconsin Street	15th Avenue West	13th Avenue West	AC	2006	Patch, rout & seal cracks, & apply surface treatment	\$14,212
Mitchell	oj748o	8.5	Wisconsin Street	15th Avenue West	13th Avenue West	AC	2011	Patch, rout & seal cracks, & overlay	\$32,178
Mitchell	oj749b	7.25	Indian Village Road	23rd Avenue	Ohlman Street	AC	1995	Patch, rout & seal cracks, & overlay	\$156,268
Mitchell	oj749b	7.25	Indian Village Road	23rd Avenue	Ohlman Street	AC	2000	Rout & seal cracks	\$8,531
Mitchell	oj749b	7.25	Indian Village Road	23rd Avenue	Ohlman Street	AC	2002	Rout & seal cracks	\$8,531
Mitchell	oj749b	7.25	Indian Village Road	23rd Avenue	Ohlman Street	AC	2004	Patch, rout & seal cracks	\$15,122
Mitchell	oj749b	7.25	Indian Village Road	23rd Avenue	Ohlman Street	AC	2006	Patch, rout & seal cracks	\$15,122
Mitchell	oj749b	7.25	Indian Village Road	23rd Avenue	Ohlman Street	AC	2008	Patch, rout & seal cracks	\$15,122
Mitchell	oj749b	7.25	Indian Village Road	23rd Avenue	Ohlman Street	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$69,021
Mitchell	oj752o	9.5	Rowley Street	1st Avenue	Railroad	AC	1995	Patch, rout & seal cracks	\$988
Mitchell	oj752o	9.5	Rowley Street	1st Avenue	Railroad	AC	1997	Patch, rout & seal cracks	\$988
Mitchell	oj752o	9.5	Rowley Street	1st Avenue	Railroad	AC	1999	Patch, rout & seal cracks, & apply surface treatment	\$4,510
Mitchell	oj752o	9.5	Rowley Street	1st Avenue	Railroad	AC	2004	Patch, rout & seal cracks, & apply surface treatment	\$4,510
Mitchell	oj752o	9.5	Rowley Street	1st Avenue	Railroad	AC	2009	Remove and replace AC layer	\$16,195
Mitchell	oj752o	9.5	Rowley Street	1st Avenue	Railroad	AC	2014	Rout & seal cracks	\$557
Mitchell	oj753o	8.4	Main Street	12th Avenue East	Green Street	AC	1995	Patch, rout & seal cracks	\$7,150
Mitchell	oj753o	8.4	Main Street	12th Avenue East	Green Street	AC	1997	Patch, rout & seal cracks	\$7,150
Mitchell	oj753o	8.4	Main Street	12th Avenue East	Green Street	AC	1999	Patch, rout & seal cracks, & apply surface treatment	\$32,634
Mitchell	oj753o	8.4	Main Street	12th Avenue East	Green Street	AC	2004	Patch, rout & seal cracks, & apply surface treatment	\$32,634
Mitchell	oj753o	8.4	Main Street	12th Avenue East	Green Street	AC	2009	Patch, rout & seal cracks, & overlay	\$73,887
Mitchell	oj753o	8.4	Main Street	12th Avenue East	Green Street	AC	2014	Rout & seal cracks	\$4,033
Mitchell	oj753o	8.7	Main Street	12th Avenue East	10th Avenue East	AC	1995	Patch, rout & seal cracks	\$2,882

Table B.1. Summary of South Dakota City Street Needs Assessment (continued).

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Pierre	qp236o	9.9	4th Street West	Huron	Grand	AC	2004	Patch, rout & seal cracks, & apply surface treatment	\$3,160
Pierre	qp236o	9.9	4th Street West	Huron	Grand	AC	2009	Patch, rout & seal cracks, & overlay	\$7,156
Pierre	qp236o	9.9	4th Street West	Huron	Grand	AC	2014	Rout & seal cracks	\$391
Pierre	qp243o	10.08	Oak Street West	Euclid	Highland	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$5,108
Pierre	qp243o	10.08	Oak Street West	Euclid	Highland	AC	2000	Patch, rout & seal cracks, & apply surface treatment	\$5,108
Pierre	qp243o	10.08	Oak Street West	Euclid	Highland	AC	2005	Patch, rout & seal cracks, & overlay	\$11,564
Pierre	qp243o	10.08	Oak Street West	Euclid	Highland	AC	2010	Rout & seal cracks	\$630
Pierre	qp243o	10.08	Oak Street West	Euclid	Highland	AC	2012	Rout & seal cracks	\$630
Pierre	qp243o	10.08	Oak Street West	Euclid	Highland	AC	2014	Patch, rout & seal cracks	\$1,118
Pierre	qp248o	10.1	Broadway	Euclid	Nicollet	AC	1995	Rout & seal cracks	\$1,784
Pierre	qp248o	10.1	Broadway	Euclid	Nicollet	AC	1997	Rout & seal cracks	\$1,784
Pierre	qp248o	10.1	Broadway	Euclid	Nicollet	AC	1999	Patch, rout & seal cracks	\$3,163
Pierre	qp248o	10.1	Broadway	Euclid	Nicollet	AC	2001	Patch, rout & seal cracks	\$3,163
Pierre	qp248o	10.1	Broadway	Euclid	Nicollet	AC	2003	Patch, rout & seal cracks	\$3,163
Pierre	qp248o	10.1	Broadway	Euclid	Nicollet	AC	2005	Patch, rout & seal cracks	\$3,163
Pierre	qp248o	10.1	Broadway	Euclid	Nicollet	AC	2007	Patch, rout & seal cracks, & apply surface treatment	\$14,439
Pierre	qp248o	10.1	Broadway	Euclid	Nicollet	AC	2012	Patch, rout & seal cracks, & apply surface treatment	\$14,439
Pierre	qp248o	10.4	Broadway	Govenor Drive	Harrison	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$39,242
Pierre	qp248o	10.4	Broadway	Govenor Drive	Harrison	AC	2000	Patch, rout & seal cracks, & apply surface treatment	\$39,242
Pierre	qp248o	10.4	Broadway	Govenor Drive	Harrison	AC	2005	Patch, rout & seal cracks, & overlay	\$88,846
Pierre	qp248o	10.4	Broadway	Govenor Drive	Harrison	AC	2010	Rout & seal cracks	\$4,850
Pierre	qp248o	10.4	Broadway	Govenor Drive	Harrison	AC	2012	Rout & seal cracks	\$4,850
Pierre	qp248o	10.4	Broadway	Govenor Drive	Harrison	AC	2014	Patch, rout & seal cracks	\$8,598
Pierre	qp250o	9.4	Capitol Avenue	Elizabeth	Huron	AC	1995	Patch, rout & seal cracks	\$10,690
Pierre	qp250o	9.4	Capitol Avenue	Elizabeth	Huron	AC	1997	Patch, rout & seal cracks, & apply surface treatment	\$48,793
Pierre	qp250o	9.4	Capitol Avenue	Elizabeth	Huron	AC	2002	Patch, rout & seal cracks, & apply surface treatment	\$48,793
Pierre	qp250o	9.4	Capitol Avenue	Elizabeth	Huron	AC	2007	Patch, rout & seal cracks, & overlay	\$110,470
Pierre	qp250o	9.4	Capitol Avenue	Elizabeth	Huron	AC	2012	Rout & seal cracks	\$6,030
Pierre	qp250o	9.4	Capitol Avenue	Elizabeth	Huron	AC	2014	Rout & seal cracks	\$6,030
Pierre	qp250o	9.85	Capitol Avenue	Huron	Pierre	AC	1995	Patch, rout & seal cracks	\$1,711
Pierre	qp250o	9.85	Capitol Avenue	Huron	Pierre	AC	1997	Patch, rout & seal cracks, & apply surface treatment	\$7,811
Pierre	qp250o	9.85	Capitol Avenue	Huron	Pierre	AC	2002	Patch, rout & seal cracks, & apply surface treatment	\$7,811
Pierre	qp250o	9.85	Capitol Avenue	Huron	Pierre	AC	2007	Remove and replace AC layer	\$28,044
Pierre	qp250o	9.85	Capitol Avenue	Huron	Pierre	AC	2012	Rout & seal cracks	\$965
Pierre	qp250o	9.85	Capitol Avenue	Huron	Pierre	AC	2014	Rout & seal cracks	\$965
Pierre	qp250o	9.9	Capitol Avenue	Pierre Street	Highland	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$12,698
Pierre	qp250o	9.9	Capitol Avenue	Pierre Street	Highland	AC	2000	Patch, rout & seal cracks, & apply surface treatment	\$12,698
Pierre	qp250o	9.9	Capitol Avenue	Pierre Street	Highland	AC	2005	Remove and replace AC layer	\$45,589
Pierre	qp250o	9.9	Capitol Avenue	Pierre Street	Highland	AC	2010	Rout & seal cracks	\$1,569
Pierre	qp250o	9.9	Capitol Avenue	Pierre Street	Highland	AC	2012	Rout & seal cracks	\$1,569

Table B.1. Summary of South Dakota City Street Needs Assessment (continued).

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Pierre	qp732o	11.5	Poplar Avenue	Prospect	Elizabeth	AC	1999	Patch, rout & seal cracks, & apply surface treatment	\$8,796
Pierre	qp732o	11.5	Poplar Avenue	Prospect	Elizabeth	AC	2004	Patch, rout & seal cracks, & apply surface treatment	\$8,796
Pierre	qp732o	11.5	Poplar Avenue	Prospect	Elizabeth	AC	2009	Patch, rout & seal cracks, & overlay	\$19,916
Pierre	qp732o	11.5	Poplar Avenue	Prospect	Elizabeth	AC	2014	Rout & seal cracks	\$1,087
Pierre	qp740o	12.1	Coteau	Sioux Avenue	Missouri Avenue	AC	1995	Patch, rout & seal cracks	\$4,843
Pierre	qp740o	12.1	Coteau	Sioux Avenue	Missouri Avenue	AC	1997	Patch, rout & seal cracks	\$4,843
Pierre	qp740o	12.1	Coteau	Sioux Avenue	Missouri Avenue	AC	1999	Patch, rout & seal cracks, & apply surface treatment	\$22,105
Pierre	qp740o	12.1	Coteau	Sioux Avenue	Missouri Avenue	AC	2004	Patch, rout & seal cracks, & apply surface treatment	\$22,105
Pierre	qp740o	12.1	Coteau	Sioux Avenue	Missouri Avenue	AC	2009	Patch, rout & seal cracks, & overlay	\$50,047
Pierre	qp740o	12.1	Coteau	Sioux Avenue	Missouri Avenue	AC	2014	Rout & seal cracks	\$2,731
Pierre	qp749o	12.1	Governor Drive	Church	Broadway	AC	1995	Patch, rout & seal cracks	\$3,633
Pierre	qp749o	12.1	Governor Drive	Church	Broadway	AC	1997	Patch, rout & seal cracks	\$3,633
Pierre	qp749o	12.1	Governor Drive	Church	Broadway	AC	1999	Patch, rout & seal cracks, & apply surface treatment	\$16,584
Pierre	qp749o	12.1	Governor Drive	Church	Broadway	AC	2004	Patch, rout & seal cracks, & apply surface treatment	\$16,584
Pierre	qp749o	12.1	Governor Drive	Church	Broadway	AC	2009	Patch, rout & seal cracks, & overlay	\$37,547
Pierre	qp749o	12.1	Governor Drive	Church	Broadway	AC	2014	Rout & seal cracks	\$2,049
Pierre	qp750o	12.1	Washington Avenue	Broadway	Cabot	AC	1995	Patch, rout & seal cracks	\$1,317
Pierre	qp750o	12.1	Washington Avenue	Broadway	Cabot	AC	1997	Patch, rout & seal cracks	\$1,317
Pierre	qp750o	12.1	Washington Avenue	Broadway	Cabot	AC	1999	Patch, rout & seal cracks	\$1,317
Pierre	qp750o	12.1	Washington Avenue	Broadway	Cabot	AC	2001	Patch, rout & seal cracks, & apply surface treatment	\$6,014
Pierre	qp750o	12.1	Washington Avenue	Broadway	Cabot	AC	2006	Patch, rout & seal cracks, & apply surface treatment	\$6,014
Pierre	qp750o	12.1	Washington Avenue	Broadway	Cabot	AC	2011	Patch, rout & seal cracks, & overlay	\$13,617
Pierre	qp757o	12.1	Harrison	Broadway	Wells	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$31,804
Pierre	qp757o	12.1	Harrison	Broadway	Wells	AC	2000	Patch, rout & seal cracks, & apply surface treatment	\$31,804
Pierre	qp757o	12.1	Harrison	Broadway	Wells	AC	2005	Patch, rout & seal cracks, & overlay	\$72,006
Pierre	qp757o	12.1	Harrison	Broadway	Wells	AC	2010	Rout & seal cracks	\$3,930
Pierre	qp757o	12.1	Harrison	Broadway	Wells	AC	2012	Rout & seal cracks	\$3,930
Pierre	qp757o	12.1	Harrison	Broadway	Wells	AC	2014	Patch, rout & seal cracks	\$6,968
Pierre	qp771o	12.8	Lowell Avenue	SD 34	Dakota Avenue	AC	1995	Rout & seal cracks	\$836
Pierre	qp771o	12.8	Lowell Avenue	SD 34	Dakota Avenue	AC	1997	Rout & seal cracks	\$836
Pierre	qp771o	12.8	Lowell Avenue	SD 34	Dakota Avenue	AC	1999	Patch, rout & seal cracks	\$1,482
Pierre	qp771o	12.8	Lowell Avenue	SD 34	Dakota Avenue	AC	2001	Patch, rout & seal cracks	\$1,482
Pierre	qp771o	12.8	Lowell Avenue	SD 34	Dakota Avenue	AC	2003	Patch, rout & seal cracks	\$1,482
Pierre	qp771o	12.8	Lowell Avenue	SD 34	Dakota Avenue	AC	2005	Patch, rout & seal cracks, & apply surface treatment	\$6,766
Pierre	qp771o	12.8	Lowell Avenue	SD 34	Dakota Avenue	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$6,766
Rapid City	rj185o	42.5	Disk Drive	Haines Avenue	Maple Avenue	PCC	1995	Repair spalls, patch, and seal cracks and joints	\$87,365
Rapid City	rj185o	42.5	Disk Drive	Haines Avenue	Maple Avenue	PCC	2000	Repair spalls, patch, and seal cracks and joints	\$87,365
Rapid City	rj185o	42.5	Disk Drive	Haines Avenue	Maple Avenue	PCC	2005	Repair spalls, patch, replace slabs, and seal cracks & joints	\$231,299
Rapid City	rj185o	42.5	Disk Drive	Haines Avenue	Maple Avenue	PCC	2013	Reconstruct with PCC	\$663,224
Rapid City	rj185o	43	Disk Drive	Maple	LaCrosse Street	PCC	1995	Repair spalls, patch, and seal cracks and joints	\$29,968

Table B.1. Summary of South Dakota City Street Needs Assessment (continued).

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Rapid City	jr231o	41.9	North Street	Herman Street	East Boulevard	AC	1997	Patch, rout & seal cracks	\$8,648
Rapid City	jr231o	41.9	North Street	Herman Street	East Boulevard	AC	1999	Patch, rout & seal cracks	\$8,648
Rapid City	jr231o	41.9	North Street	Herman Street	East Boulevard	AC	2001	Patch, rout & seal cracks	\$8,648
Rapid City	jr231o	41.9	North Street	Herman Street	East Boulevard	AC	2003	Patch, rout & seal cracks	\$8,648
Rapid City	jr231o	41.9	North Street	Herman Street	East Boulevard	AC	2005	Patch, rout & seal cracks, & apply surface treatment	\$39,472
Rapid City	jr231o	41.9	North Street	Herman Street	East Boulevard	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$39,472
Rapid City	jr231o	42.5	North Street	Haines Street	Lemmon Avenue	AC	1995	Patch, rout & seal cracks	\$2,925
Rapid City	jr231o	42.5	North Street	Haines Street	Lemmon Avenue	AC	1997	Patch, rout & seal cracks	\$2,925
Rapid City	jr231o	42.5	North Street	Haines Street	Lemmon Avenue	AC	1999	Patch, rout & seal cracks, & apply surface treatment	\$13,351
Rapid City	jr231o	42.5	North Street	Haines Street	Lemmon Avenue	AC	2004	Patch, rout & seal cracks, & apply surface treatment	\$13,351
Rapid City	jr231o	42.5	North Street	Haines Street	Lemmon Avenue	AC	2009	Patch, rout & seal cracks, & overlay	\$30,228
Rapid City	jr231o	42.5	North Street	Haines Street	Lemmon Avenue	AC	2014	Rout & seal cracks	\$1,650
Rapid City	jr243o	38.75	Chicago Street	48th	Canyon Road	AC	1995	Patch, rout & seal cracks, & overlay	\$38,120
Rapid City	jr243o	38.75	Chicago Street	48th	Canyon Road	AC	2000	Rout & seal cracks	\$2,080
Rapid City	jr243o	38.75	Chicago Street	48th	Canyon Road	AC	2002	Rout & seal cracks	\$2,080
Rapid City	jr243o	38.75	Chicago Street	48th	Canyon Road	AC	2004	Patch, rout & seal cracks	\$3,688
Rapid City	jr243o	38.75	Chicago Street	48th	Canyon Road	AC	2006	Patch, rout & seal cracks	\$3,688
Rapid City	jr243o	38.75	Chicago Street	48th	Canyon Road	AC	2008	Patch, rout & seal cracks	\$3,688
Rapid City	jr243o	38.75	Chicago Street	48th	Canyon Road	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$16,837
Rapid City	jr243o	39.2	Chicago Street	South Canyon Road	Sturgis Road	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$81,794
Rapid City	jr243o	39.2	Chicago Street	South Canyon Road	Sturgis Road	AC	2000	Patch, rout & seal cracks, & overlay	\$185,186
Rapid City	jr243o	39.2	Chicago Street	South Canyon Road	Sturgis Road	AC	2005	Rout & seal cracks	\$10,109
Rapid City	jr243o	39.2	Chicago Street	South Canyon Road	Sturgis Road	AC	2007	Rout & seal cracks	\$10,109
Rapid City	jr243o	39.2	Chicago Street	South Canyon Road	Sturgis Road	AC	2009	Patch, rout & seal cracks	\$17,921
Rapid City	jr243o	39.2	Chicago Street	South Canyon Road	Sturgis Road	AC	2011	Patch, rout & seal cracks	\$17,921
Rapid City	jr243o	39.2	Chicago Street	South Canyon Road	Sturgis Road	AC	2013	Patch, rout & seal cracks	\$17,921
Rapid City	jr243o	39.7	Chicago Street	Berry Pine	48th Street	AC	1995	Patch, rout & seal cracks, & overlay	\$43,588
Rapid City	jr243o	39.7	Chicago Street	Berry Pine	48th Street	AC	2000	Rout & seal cracks	\$2,379
Rapid City	jr243o	39.7	Chicago Street	Berry Pine	48th Street	AC	2002	Rout & seal cracks	\$2,379
Rapid City	jr243o	39.7	Chicago Street	Berry Pine	48th Street	AC	2004	Patch, rout & seal cracks	\$4,218
Rapid City	jr243o	39.7	Chicago Street	Berry Pine	48th Street	AC	2006	Patch, rout & seal cracks	\$4,218
Rapid City	jr243o	39.7	Chicago Street	Berry Pine	48th Street	AC	2008	Patch, rout & seal cracks	\$4,218
Rapid City	jr243o	39.7	Chicago Street	Berry Pine	48th Street	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$19,252
Rapid City	jr250o	38.4	Main Street	Berry Pine Road	44th Street	AC	1995	Rout & seal cracks	\$3,922
Rapid City	jr250o	38.4	Main Street	Berry Pine Road	44th Street	AC	1997	Rout & seal cracks	\$3,922
Rapid City	jr250o	38.4	Main Street	Berry Pine Road	44th Street	AC	1999	Patch, rout & seal cracks	\$6,952
Rapid City	jr250o	38.4	Main Street	Berry Pine Road	44th Street	AC	2001	Patch, rout & seal cracks	\$6,952
Rapid City	jr250o	38.4	Main Street	Berry Pine Road	44th Street	AC	2003	Patch, rout & seal cracks	\$6,952
Rapid City	jr250o	38.4	Main Street	Berry Pine Road	44th Street	AC	2005	Patch, rout & seal cracks, & apply surface treatment	\$31,731
Rapid City	jr250o	38.4	Main Street	Berry Pine Road	44th Street	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$31,731

Table B.1. Summary of South Dakota City Street Needs Assessment (continued).

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Rapid City	rj261o	40.7	Canyon Lake Road	Dakota Drive	Rapid Creek	AC	2004	Patch, rout & seal cracks, & apply surface treatment	\$14,732
Rapid City	rj261o	40.7	Canyon Lake Road	Dakota Drive	Rapid Creek	AC	2009	Patch, rout & seal cracks, & overlay	\$33,355
Rapid City	rj261o	40.7	Canyon Lake Road	Dakota Drive	Rapid Creek	AC	2014	Rout & seal cracks	\$1,821
Rapid City	rj271o	42.4	Signal Drive	3rd Street	East Signal Drive	AC	1995	Reconstruct with new AC pavement	\$100,266
Rapid City	rj271o	42.4	Signal Drive	3rd Street	East Signal Drive	AC	2000	Rout & seal cracks	\$1,805
Rapid City	rj271o	42.4	Signal Drive	3rd Street	East Signal Drive	AC	2002	Rout & seal cracks	\$1,805
Rapid City	rj271o	42.4	Signal Drive	3rd Street	East Signal Drive	AC	2004	Patch, rout & seal cracks	\$3,200
Rapid City	rj271o	42.4	Signal Drive	3rd Street	East Signal Drive	AC	2006	Patch, rout & seal cracks	\$3,200
Rapid City	rj271o	42.4	Signal Drive	3rd Street	East Signal Drive	AC	2008	Patch, rout & seal cracks	\$3,200
Rapid City	rj271o	42.4	Signal Drive	3rd Street	East Signal Drive	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$14,605
Rapid City	rj277o	39	South Canyon Road	West Chicago Street	West Main Street	AC	1995	Patch, rout & seal cracks	\$5,652
Rapid City	rj277o	39	South Canyon Road	West Chicago Street	West Main Street	AC	1997	Patch, rout & seal cracks	\$5,652
Rapid City	rj277o	39	South Canyon Road	West Chicago Street	West Main Street	AC	1999	Patch, rout & seal cracks, & apply surface treatment	\$25,798
Rapid City	rj277o	39	South Canyon Road	West Chicago Street	West Main Street	AC	2004	Patch, rout & seal cracks, & apply surface treatment	\$25,798
Rapid City	rj277o	39	South Canyon Road	West Chicago Street	West Main Street	AC	2009	Patch, rout & seal cracks, & overlay	\$58,409
Rapid City	rj277o	39	South Canyon Road	West Chicago Street	West Main Street	AC	2014	Rout & seal cracks	\$3,188
Rapid City	rj292o	41.8	St Patrick Street	West Boulevard	8th Street	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$12,030
Rapid City	rj292o	41.8	St Patrick Street	West Boulevard	8th Street	AC	2000	Patch, rout & seal cracks, & apply surface treatment	\$12,030
Rapid City	rj292o	41.8	St Patrick Street	West Boulevard	8th Street	AC	2005	Patch, rout & seal cracks, & overlay	\$27,236
Rapid City	rj292o	41.8	St Patrick Street	West Boulevard	8th Street	AC	2010	Rout & seal cracks	\$1,486
Rapid City	rj292o	41.8	St Patrick Street	West Boulevard	8th Street	AC	2012	Rout & seal cracks	\$1,486
Rapid City	rj292o	41.8	St Patrick Street	West Boulevard	8th Street	AC	2014	Patch, rout & seal cracks	\$2,635
Rapid City	rj292o	42.4	St Patrick Street	5th Street	8th Street	PCC	1995	Rout & seal cracks and joints	\$15,394
Rapid City	rj292o	42.4	St Patrick Street	5th Street	8th Street	PCC	2000	Repair spalls, patch, and seal cracks and joints	\$26,581
Rapid City	rj292o	42.4	St Patrick Street	5th Street	8th Street	PCC	2005	Repair spalls, patch, and seal cracks and joints	\$26,581
Rapid City	rj292o	42.4	St Patrick Street	5th Street	8th Street	PCC	2010	Repair spalls, patch, replace slabs, and seal cracks & joints	\$70,373
Rapid City	rj292o	43.8	St Patrick Street	Old SD79	Cambell Street (US16B)	AC	1995	Patch, rout & seal cracks	\$3,963
Rapid City	rj292o	43.8	St Patrick Street	Old SD79	Cambell Street (US16B)	AC	1997	Patch, rout & seal cracks	\$3,963
Rapid City	rj292o	43.8	St Patrick Street	Old SD79	Cambell Street (US16B)	AC	1999	Patch, rout & seal cracks	\$3,963
Rapid City	rj292o	43.8	St Patrick Street	Old SD79	Cambell Street (US16B)	AC	2001	Patch, rout & seal cracks, & apply surface treatment	\$18,092
Rapid City	rj292o	43.8	St Patrick Street	Old SD79	Cambell Street (US16B)	AC	2006	Patch, rout & seal cracks, & apply surface treatment	\$18,092
Rapid City	rj292o	43.8	St Patrick Street	Old SD79	Cambell Street (US16B)	AC	2011	Patch, rout & seal cracks, & overlay	\$40,961
Rapid City	rj333o	42.5	Fairmount Boulevard	Wisconsin	Maple Avenue	AC	2000	Rout & seal cracks	\$3,504
Rapid City	rj333o	42.5	Fairmount Boulevard	Wisconsin	Maple Avenue	AC	2002	Rout & seal cracks	\$3,504
Rapid City	rj333o	42.5	Fairmount Boulevard	Wisconsin	Maple Avenue	AC	2004	Patch, rout & seal cracks	\$6,211
Rapid City	rj333o	42.5	Fairmount Boulevard	Wisconsin	Maple Avenue	AC	2006	Patch, rout & seal cracks	\$6,211
Rapid City	rj333o	42.5	Fairmount Boulevard	Wisconsin	Maple Avenue	AC	2008	Patch, rout & seal cracks	\$6,211
Rapid City	rj333o	42.5	Fairmount Boulevard	Wisconsin	Maple Avenue	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$28,348
Rapid City	rj52072b	39	Sheridan Lake RD	Esval Drive	South City Limits	AC	1995	Patch, rout & seal cracks	\$3,574
Rapid City	rj52072b	39	Sheridan Lake RD	Esval Drive	South City Limits	AC	1997	Patch, rout & seal cracks	\$3,574

Table B.1. Summary of South Dakota City Street Needs Assessment (continued).

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Rapid City	rj671o	30.15	Soo San Drive	W. South Street	Canyon Lake Drive	AC	1997	Patch, rout & seal cracks	\$8,039
Rapid City	rj671o	30.15	Soo San Drive	W. South Street	Canyon Lake Drive	AC	1999	Patch, rout & seal cracks	\$8,039
Rapid City	rj671o	30.15	Soo San Drive	W. South Street	Canyon Lake Drive	AC	2001	Patch, rout & seal cracks	\$8,039
Rapid City	rj671o	30.15	Soo San Drive	W. South Street	Canyon Lake Drive	AC	2003	Patch, rout & seal cracks	\$8,039
Rapid City	rj671o	30.15	Soo San Drive	W. South Street	Canyon Lake Drive	AC	2005	Patch, rout & seal cracks, & apply surface treatment	\$36,693
Rapid City	rj671o	30.15	Soo San Drive	W. South Street	Canyon Lake Drive	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$36,693
Rapid City	rj705o	30	Sheridan Lake Road	Canyon Lake Road	West Main Street	AC	1995	Patch, rout & seal cracks, & overlay	\$30,981
Rapid City	rj705o	30	Sheridan Lake Road	Canyon Lake Road	West Main Street	AC	2000	Rout & seal cracks	\$1,691
Rapid City	rj705o	30	Sheridan Lake Road	Canyon Lake Road	West Main Street	AC	2002	Rout & seal cracks	\$1,691
Rapid City	rj705o	30	Sheridan Lake Road	Canyon Lake Road	West Main Street	AC	2004	Patch, rout & seal cracks	\$2,998
Rapid City	rj705o	30	Sheridan Lake Road	Canyon Lake Road	West Main Street	AC	2006	Patch, rout & seal cracks	\$2,998
Rapid City	rj705o	30	Sheridan Lake Road	Canyon Lake Road	West Main Street	AC	2008	Patch, rout & seal cracks	\$2,998
Rapid City	rj705o	30	Sheridan Lake Road	Canyon Lake Road	West Main Street	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$13,683
Rapid City	rj705o	30.4	Sheridan Lake Road	Rapid Cr	Jackson Boulevard	AC	1995	Patch, rout & seal cracks	\$4,744
Rapid City	rj705o	30.4	Sheridan Lake Road	Rapid Cr	Jackson Boulevard	AC	1997	Patch, rout & seal cracks	\$4,744
Rapid City	rj705o	30.4	Sheridan Lake Road	Rapid Cr	Jackson Boulevard	AC	1999	Patch, rout & seal cracks, & apply surface treatment	\$21,654
Rapid City	rj705o	30.4	Sheridan Lake Road	Rapid Cr	Jackson Boulevard	AC	2004	Patch, rout & seal cracks, & apply surface treatment	\$21,654
Rapid City	rj705o	30.4	Sheridan Lake Road	Rapid Cr	Jackson Boulevard	AC	2009	Patch, rout & seal cracks, & overlay	\$49,025
Rapid City	rj705o	30.4	Sheridan Lake Road	Rapid Cr	Jackson Boulevard	AC	2014	Rout & seal cracks	\$2,676
Rapid City	rj705o	31	Sheridan Lake Road	West Flormann Street	Patrick Street	PCC	2002	Rout & seal cracks and joints	\$20,402
Rapid City	rj705o	31	Sheridan Lake Road	West Flormann Street	Patrick Street	PCC	2007	Rout & seal cracks and joints	\$20,402
Rapid City	rj705o	31	Sheridan Lake Road	West Flormann Street	Patrick Street	PCC	2012	Repair spalls, patch, and seal cracks and joints	\$35,228
Rapid City	rj705o	31.5	Sheridan Lake Road	Flint Drive	Harney Drive	PCC	2003	Rout & seal cracks and joints	\$33,459
Rapid City	rj705o	31.5	Sheridan Lake Road	Flint Drive	Harney Drive	PCC	2008	Rout & seal cracks and joints	\$33,459
Rapid City	rj705o	31.5	Sheridan Lake Road	Flint Drive	Harney Drive	PCC	2013	Repair spalls, patch, and seal cracks and joints	\$57,773
Rapid City	rj711o	31.6	5th Street	Cathedral Drive	Texas	PCC	1995	Rout & seal cracks and joints	\$64,884
Rapid City	rj711o	31.6	5th Street	Cathedral Drive	Texas	PCC	2000	Rout & seal cracks and joints	\$64,884
Rapid City	rj711o	31.6	5th Street	Cathedral Drive	Texas	PCC	2005	Repair spalls, patch, and seal cracks and joints	\$112,037
Rapid City	rj711o	31.6	5th Street	Cathedral Drive	Texas	PCC	2010	Repair spalls, patch, replace slabs, and seal cracks & joints	\$296,616
Rapid City	rj714o	28.3	LaCrosse Street	Disk Drive	Rapp Street	PCC	1995	Rout & seal cracks and joints	\$51,005
Rapid City	rj714o	28.3	LaCrosse Street	Disk Drive	Rapp Street	PCC	2000	Rout & seal cracks and joints	\$51,005
Rapid City	rj714o	28.3	LaCrosse Street	Disk Drive	Rapp Street	PCC	2005	Repair spalls, patch, and seal cracks and joints	\$88,070
Rapid City	rj714o	28.3	LaCrosse Street	Disk Drive	Rapp Street	PCC	2010	Repair spalls, patch, replace slabs, and seal cracks & joints	\$233,164
Rapid City	rj722o	41.1	Jackson Boulevard	Main Street	Valentine	PCC	1998	Rout & seal cracks and joints	\$22,460
Rapid City	rj722o	41.1	Jackson Boulevard	Main Street	Valentine	PCC	2003	Rout & seal cracks and joints	\$22,460
Rapid City	rj722o	41.1	Jackson Boulevard	Main Street	Valentine	PCC	2008	Repair spalls, patch, and seal cracks and joints	\$38,781
Rapid City	rj722o	41.1	Jackson Boulevard	Main Street	Valentine	PCC	2013	Repair spalls, patch, replace slabs, and seal cracks & joints	\$102,671
Rapid City	rj742o	29	West Boulevard	E. North Street	Anamosa Street	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$31,731
Rapid City	rj742o	29	West Boulevard	E. North Street	Anamosa Street	AC	2000	Patch, rout & seal cracks, & apply surface treatment	\$31,731
Rapid City	rj742o	29	West Boulevard	E. North Street	Anamosa Street	AC	2005	Patch, rout & seal cracks, & overlay	\$71,843

Table B.1. Summary of South Dakota City Street Needs Assessment (continued).

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Rapid City	rj770	30.3	East Boulevard	Quincy Street	St Joe Street	AC	2005	Patch, rout & seal cracks, & overlay	\$20,427
Rapid City	rj770	30.3	East Boulevard	Quincy Street	St Joe Street	AC	2010	Rout & seal cracks	\$1,114
Rapid City	rj770	30.3	East Boulevard	Quincy Street	St Joe Street	AC	2012	Rout & seal cracks	\$1,114
Rapid City	rj770	30.3	East Boulevard	Quincy Street	St Joe Street	AC	2014	Patch, rout & seal cracks	\$1,976
Rapid City	rj770	30.4	East Boulevard	Signal Drive	Quincy Street	AC	1999	Rout & seal cracks	\$1,672
Rapid City	rj770	30.4	East Boulevard	Signal Drive	Quincy Street	AC	2001	Rout & seal cracks	\$1,672
Rapid City	rj770	30.4	East Boulevard	Signal Drive	Quincy Street	AC	2003	Patch, rout & seal cracks	\$2,965
Rapid City	rj770	30.4	East Boulevard	Signal Drive	Quincy Street	AC	2005	Patch, rout & seal cracks	\$2,965
Rapid City	rj770	30.4	East Boulevard	Signal Drive	Quincy Street	AC	2007	Patch, rout & seal cracks	\$2,965
Rapid City	rj770	30.4	East Boulevard	Signal Drive	Quincy Street	AC	2009	Patch, rout & seal cracks, & apply surface treatment	\$13,533
Rapid City	rj770	30.4	East Boulevard	Signal Drive	Quincy Street	AC	2014	Patch, rout & seal cracks, & apply surface treatment	\$13,533
Rapid City	rj778o	28.4	Maple Avenue	Anamosa Street	I-90	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$40,640
Rapid City	rj778o	28.4	Maple Avenue	Anamosa Street	I-90	AC	2000	Patch, rout & seal cracks, & apply surface treatment	\$40,640
Rapid City	rj778o	28.4	Maple Avenue	Anamosa Street	I-90	AC	2005	Patch, rout & seal cracks, & overlay	\$92,012
Rapid City	rj778o	28.4	Maple Avenue	Anamosa Street	I-90	AC	2010	Rout & seal cracks	\$5,023
Rapid City	rj778o	28.4	Maple Avenue	Anamosa Street	I-90	AC	2012	Rout & seal cracks	\$5,023
Rapid City	rj778o	28.4	Maple Avenue	Anamosa Street	I-90	AC	2014	Patch, rout & seal cracks	\$8,904
Rapid City	rj783o	31	Elm Avenue	St Anne Street	St Patrick Street	AC	1995	Patch, rout & seal cracks	\$1,674
Rapid City	rj783o	31	Elm Avenue	St Anne Street	St Patrick Street	AC	1997	Patch, rout & seal cracks	\$1,674
Rapid City	rj783o	31	Elm Avenue	St Anne Street	St Patrick Street	AC	1999	Patch, rout & seal cracks	\$1,674
Rapid City	rj783o	31	Elm Avenue	St Anne Street	St Patrick Street	AC	2001	Patch, rout & seal cracks	\$1,674
Rapid City	rj783o	31	Elm Avenue	St Anne Street	St Patrick Street	AC	2003	Patch, rout & seal cracks, & apply surface treatment	\$7,643
Rapid City	rj783o	31	Elm Avenue	St Anne Street	St Patrick Street	AC	2008	Patch, rout & seal cracks, & apply surface treatment	\$7,643
Rapid City	rj783o	31	Elm Avenue	St Anne Street	St Patrick Street	AC	2013	Patch, rout & seal cracks, & overlay	\$17,306
Rapid City	rj783o	31.1	Elm Avenue	St Anne Street	Meade Street	AC	1995	Patch, rout & seal cracks	\$1,582
Rapid City	rj783o	31.1	Elm Avenue	St Anne Street	Meade Street	AC	1997	Patch, rout & seal cracks	\$1,582
Rapid City	rj783o	31.1	Elm Avenue	St Anne Street	Meade Street	AC	1999	Patch, rout & seal cracks	\$1,582
Rapid City	rj783o	31.1	Elm Avenue	St Anne Street	Meade Street	AC	2001	Patch, rout & seal cracks	\$1,582
Rapid City	rj783o	31.1	Elm Avenue	St Anne Street	Meade Street	AC	2003	Patch, rout & seal cracks, & apply surface treatment	\$7,222
Rapid City	rj783o	31.1	Elm Avenue	St Anne Street	Meade Street	AC	2008	Patch, rout & seal cracks, & apply surface treatment	\$7,222
Rapid City	rj783o	31.1	Elm Avenue	St Anne Street	Meade Street	AC	2013	Patch, rout & seal cracks, & overlay	\$16,352
Rapid City	rj806o	28.7	LaCrosse Street	Rapp Street	Anamosa Street	PCC	1995	Rout & seal cracks and joints	\$24,165
Rapid City	rj806o	28.7	LaCrosse Street	Rapp Street	Anamosa Street	PCC	2000	Rout & seal cracks and joints	\$24,165
Rapid City	rj806o	28.7	LaCrosse Street	Rapp Street	Anamosa Street	PCC	2005	Repair spalls, patch, and seal cracks and joints	\$41,726
Rapid City	rj806o	28.7	LaCrosse Street	Rapp Street	Anamosa Street	PCC	2010	Repair spalls, patch, and seal cracks and joints	\$41,726
Rapid City	rj806o	29	LaCrosse Street	East North Street	Anamosa Street	PCC	1999	Rout & seal cracks and joints	\$50,596
Rapid City	rj806o	29	LaCrosse Street	East North Street	Anamosa Street	PCC	2004	Rout & seal cracks and joints	\$50,596
Rapid City	rj806o	29	LaCrosse Street	East North Street	Anamosa Street	PCC	2009	Repair spalls, patch, and seal cracks and joints	\$87,365
Rapid City	rj806o	29	LaCrosse Street	East North Street	Anamosa Street	PCC	2014	Repair spalls, patch, replace slabs, and seal cracks & joints	\$231,299
Rapid City	rj806o	29.8	LaCrosse Street	East Omaha Street	East New York Street	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$11,323

Table B.1. Summary of South Dakota City Street Needs Assessment (continued).

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Sioux Falls	sx220o	12	57th Street	Southeastern Avenue	SD11	AC	2002	Patch, rout & seal cracks, & apply surface treatment	\$36,995
Sioux Falls	sx220o	12	57th Street	Southeastern Avenue	SD11	AC	2007	Patch, rout & seal cracks, & overlay	\$83,759
Sioux Falls	sx220o	12	57th Street	Southeastern Avenue	SD11	AC	2012	Rout & seal cracks	\$4,572
Sioux Falls	sx220o	12	57th Street	Southeastern Avenue	SD11	AC	2014	Rout & seal cracks	\$4,572
Sioux Falls	sx220o	78	57th Street	Louise Avenue	Interstate 229	Gravel	1995	Regrade, add new gravel layer, and clean ditches & culverts	\$15,769
Sioux Falls	sx220o	78	57th Street	Louise Avenue	Interstate 229	Gravel	1997	Regrade surface	\$2,652
Sioux Falls	sx220o	78	57th Street	Louise Avenue	Interstate 229	Gravel	1999	Regrade surface, patch, and clean ditches & culverts	\$6,818
Sioux Falls	sx220o	78	57th Street	Louise Avenue	Interstate 229	Gravel	2001	Regrade, add new gravel layer, and clean ditches & culverts	\$15,769
Sioux Falls	sx220o	78	57th Street	Louise Avenue	Interstate 229	Gravel	2003	Regrade surface	\$2,652
Sioux Falls	sx220o	78	57th Street	Louise Avenue	Interstate 229	Gravel	2005	Regrade surface, patch, and clean ditches & culverts	\$6,818
Sioux Falls	sx220o	78	57th Street	Louise Avenue	Interstate 229	Gravel	2007	Regrade, add new gravel layer, and clean ditches & culverts	\$15,769
Sioux Falls	sx220o	78	57th Street	Louise Avenue	Interstate 229	Gravel	2009	Regrade surface	\$2,652
Sioux Falls	sx220o	78	57th Street	Louise Avenue	Interstate 229	Gravel	2011	Regrade surface, patch, and clean ditches & culverts	\$6,818
Sioux Falls	sx234o	20.2	Russell Street	SD115 (Minnesota Avenue)	F Avenue	PCC	1995	Rout & seal cracks and joints	\$91,327
Sioux Falls	sx234o	20.2	Russell Street	SD115 (Minnesota Avenue)	F Avenue	PCC	2000	Repair spalls, patch, and seal cracks and joints	\$157,696
Sioux Falls	sx234o	20.2	Russell Street	SD115 (Minnesota Avenue)	F Avenue	PCC	2005	Repair spalls, patch, replace slabs, and seal cracks & joints	\$417,500
Sioux Falls	sx234o	20.2	Russell Street	SD115 (Minnesota Avenue)	F Avenue	PCC	2013	Reconstruct with PCC	\$693,187
Sioux Falls	sx236o	21.7	Rice Street	Cliff Avenue	Weber Avenue	PCC	1995	Repair spalls, patch, replace slabs, and seal cracks & joints	\$95,130
Sioux Falls	sx236o	21.7	Rice Street	Cliff Avenue	Weber Avenue	PCC	2003	Reconstruct with PCC	\$693,187
Sioux Falls	sx236o	21.7	Rice Street	Cliff Avenue	Weber Avenue	PCC	2011	Rout & seal cracks and joints	\$20,809
Sioux Falls	sx236o	22	Rice Street	Cliff Avenue	Lewis Avenue	PCC	1995	Rout & seal cracks and joints	\$54,405
Sioux Falls	sx236o	22	Rice Street	Cliff Avenue	Lewis Avenue	PCC	2000	Repair spalls, patch, and seal cracks and joints	\$93,941
Sioux Falls	sx236o	22	Rice Street	Cliff Avenue	Lewis Avenue	PCC	2005	Repair spalls, patch, replace slabs, and seal cracks & joints	\$248,709
Sioux Falls	sx236o	22	Rice Street	Cliff Avenue	Lewis Avenue	PCC	2013	Reconstruct with PCC	\$693,187
Sioux Falls	sx236o	22.5	Rice Street	Lewis Avenue	Lowell Avenue	PCC	1995	Rout & seal cracks and joints	\$20,402
Sioux Falls	sx236o	22.5	Rice Street	Lewis Avenue	Lowell Avenue	PCC	2000	Repair spalls, patch, and seal cracks and joints	\$35,228
Sioux Falls	sx236o	22.5	Rice Street	Lewis Avenue	Lowell Avenue	PCC	2005	Repair spalls, patch, replace slabs, and seal cracks & joints	\$93,266
Sioux Falls	sx236o	22.5	Rice Street	Lewis Avenue	Lowell Avenue	PCC	2013	Reconstruct with PCC	\$693,187
Sioux Falls	sx240o	18.6	Madison Street	Interstate 29	Louise Avenue	AC	1995	Patch, rout & seal cracks	\$5,190
Sioux Falls	sx240o	18.6	Madison Street	Interstate 29	Louise Avenue	AC	1997	Patch, rout & seal cracks	\$5,190
Sioux Falls	sx240o	18.6	Madison Street	Interstate 29	Louise Avenue	AC	1999	Patch, rout & seal cracks	\$5,190
Sioux Falls	sx240o	18.6	Madison Street	Interstate 29	Louise Avenue	AC	2001	Patch, rout & seal cracks	\$5,190
Sioux Falls	sx240o	18.6	Madison Street	Interstate 29	Louise Avenue	AC	2003	Patch, rout & seal cracks, & apply surface treatment	\$23,688
Sioux Falls	sx240o	18.6	Madison Street	Interstate 29	Louise Avenue	AC	2008	Patch, rout & seal cracks, & apply surface treatment	\$23,688
Sioux Falls	sx240o	18.6	Madison Street	Interstate 29	Louise Avenue	AC	2013	Patch, rout & seal cracks, & overlay	\$53,631
Sioux Falls	sx240o	19	Madison Street	East of Louise Avenue	Williams	PCC	1995	Rout & seal cracks and joints	\$16,321
Sioux Falls	sx240o	19	Madison Street	East of Louise Avenue	Williams	PCC	2000	Rout & seal cracks and joints	\$16,321
Sioux Falls	sx240o	19	Madison Street	East of Louise Avenue	Williams	PCC	2005	Repair spalls, patch, and seal cracks and joints	\$28,182
Sioux Falls	sx240o	19	Madison Street	East of Louise Avenue	Williams	PCC	2010	Repair spalls, patch, replace slabs, and seal cracks & joints	\$74,612
Sioux Falls	sx240o	19.6	Madison Street	Williams Avenue	Lincoln Avenue	PCC	1995	Rout & seal cracks and joints	\$9,718



Table B.1. Summary of South Dakota City Street Needs Assessment (continued).

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Sioux Falls	sx257o	21.65	14th Street	7th Avenue	Cliff Avenue	PCC	2005	Repair spalls, patch, replace slabs, and seal cracks & joints	\$85,493
Sioux Falls	sx257o	21.65	14th Street	7th Avenue	Cliff Avenue	PCC	2013	Reconstruct with PCC	\$245,143
Sioux Falls	sx262o	19.5	18th Street	Kiwanis Avenue	Holly Drive	PCC	1999	Rout & seal cracks and joints	\$15,301
Sioux Falls	sx262o	19.5	18th Street	Kiwanis Avenue	Holly Drive	PCC	2004	Rout & seal cracks and joints	\$15,301
Sioux Falls	sx262o	19.5	18th Street	Kiwanis Avenue	Holly Drive	PCC	2009	Repair spalls, patch, and seal cracks and joints	\$26,421
Sioux Falls	sx262o	19.5	18th Street	Kiwanis Avenue	Holly Drive	PCC	2014	Repair spalls, patch, replace slabs, and seal cracks & joints	\$69,949
Sioux Falls	sx262o	20	18th Street	Western Avenue	West Avenue	PCC	2003	Rout & seal cracks and joints	\$15,915
Sioux Falls	sx262o	20	18th Street	Western Avenue	West Avenue	PCC	2008	Rout & seal cracks and joints	\$15,915
Sioux Falls	sx262o	20	18th Street	Western Avenue	West Avenue	PCC	2013	Repair spalls, patch, and seal cracks and joints	\$27,481
Sioux Falls	sx262o	20.7	18th Street	Prairie Avenue	Minnesota	PCC	1995	Rout & seal cracks and joints	\$18,497
Sioux Falls	sx262o	20.7	18th Street	Prairie Avenue	Minnesota	PCC	2000	Repair spalls, patch, and seal cracks and joints	\$31,939
Sioux Falls	sx262o	20.7	18th Street	Prairie Avenue	Minnesota	PCC	2005	Repair spalls, patch, replace slabs, and seal cracks & joints	\$84,561
Sioux Falls	sx262o	20.7	18th Street	Prairie Avenue	Minnesota	PCC	2013	Reconstruct with PCC	\$242,469
Sioux Falls	sx262o	21.5	18th Street	4th Avenue	7th Avenue	AC	1995	Reconstruct with new AC pavement	\$83,076
Sioux Falls	sx262o	21.5	18th Street	4th Avenue	7th Avenue	AC	2000	Rout & seal cracks	\$1,495
Sioux Falls	sx262o	21.5	18th Street	4th Avenue	7th Avenue	AC	2002	Rout & seal cracks	\$1,495
Sioux Falls	sx262o	21.5	18th Street	4th Avenue	7th Avenue	AC	2004	Patch, rout & seal cracks	\$2,651
Sioux Falls	sx262o	21.5	18th Street	4th Avenue	7th Avenue	AC	2006	Patch, rout & seal cracks	\$2,651
Sioux Falls	sx262o	21.5	18th Street	4th Avenue	7th Avenue	AC	2008	Patch, rout & seal cracks	\$2,651
Sioux Falls	sx262o	21.5	18th Street	4th Avenue	7th Avenue	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$12,101
Sioux Falls	sx262o	22	18th Street	10th Avenue	River Boulevard	AC	1995	Patch, rout & seal cracks, & overlay	\$68,006
Sioux Falls	sx262o	22	18th Street	10th Avenue	River Boulevard	AC	2000	Rout & seal cracks	\$3,711
Sioux Falls	sx262o	22	18th Street	10th Avenue	River Boulevard	AC	2002	Rout & seal cracks	\$3,711
Sioux Falls	sx262o	22	18th Street	10th Avenue	River Boulevard	AC	2004	Patch, rout & seal cracks	\$6,580
Sioux Falls	sx262o	22	18th Street	10th Avenue	River Boulevard	AC	2006	Patch, rout & seal cracks	\$6,580
Sioux Falls	sx262o	22	18th Street	10th Avenue	River Boulevard	AC	2008	Patch, rout & seal cracks	\$6,580
Sioux Falls	sx262o	22	18th Street	10th Avenue	River Boulevard	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$30,037
Sioux Falls	sx262o	23.1	18th Street	Claudas Avenue	Bahnson Avenue	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$28,759
Sioux Falls	sx262o	23.1	18th Street	Claudas Avenue	Bahnson Avenue	AC	2000	Patch, rout & seal cracks, & overlay	\$65,112
Sioux Falls	sx262o	23.1	18th Street	Claudas Avenue	Bahnson Avenue	AC	2005	Rout & seal cracks	\$3,554
Sioux Falls	sx262o	23.1	18th Street	Claudas Avenue	Bahnson Avenue	AC	2007	Rout & seal cracks	\$3,554
Sioux Falls	sx262o	23.1	18th Street	Claudas Avenue	Bahnson Avenue	AC	2009	Patch, rout & seal cracks	\$6,300
Sioux Falls	sx262o	23.1	18th Street	Claudas Avenue	Bahnson Avenue	AC	2011	Patch, rout & seal cracks	\$6,300
Sioux Falls	sx262o	23.1	18th Street	Claudas Avenue	Bahnson Avenue	AC	2013	Patch, rout & seal cracks	\$6,300
Sioux Falls	sx270o	17.5	26th Street	Marion Road	Valley View Road	AC	1995	Rout & seal cracks	\$4,646
Sioux Falls	sx270o	17.5	26th Street	Marion Road	Valley View Road	AC	1997	Rout & seal cracks	\$4,646
Sioux Falls	sx270o	17.5	26th Street	Marion Road	Valley View Road	AC	1999	Patch, rout & seal cracks	\$8,237
Sioux Falls	sx270o	17.5	26th Street	Marion Road	Valley View Road	AC	2001	Patch, rout & seal cracks	\$8,237
Sioux Falls	sx270o	17.5	26th Street	Marion Road	Valley View Road	AC	2003	Patch, rout & seal cracks	\$8,237
Sioux Falls	sx270o	17.5	26th Street	Marion Road	Valley View Road	AC	2005	Patch, rout & seal cracks, & apply surface treatment	\$37,593

Table B.1. Summary of South Dakota City Street Needs Assessment (continued).

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Sioux Falls	sx286o	19.8	41st Street	Holly Avenue	Western Avenue	PCC	2000	Rout & seal cracks and joints	\$17,443
Sioux Falls	sx286o	19.8	41st Street	Holly Avenue	Western Avenue	PCC	2005	Repair spalls, patch, and seal cracks and joints	\$30,119
Sioux Falls	sx286o	19.8	41st Street	Holly Avenue	Western Avenue	PCC	2010	Repair spalls, patch, and seal cracks and joints	\$30,119
Sioux Falls	sx286o	20	41st Street	Western Avenue	Norton Avenue	PCC	1995	Rout & seal cracks and joints	\$66,918
Sioux Falls	sx286o	20	41st Street	Western Avenue	Norton Avenue	PCC	2000	Rout & seal cracks and joints	\$66,918
Sioux Falls	sx286o	20	41st Street	Western Avenue	Norton Avenue	PCC	2005	Repair spalls, patch, and seal cracks and joints	\$115,548
Sioux Falls	sx286o	20	41st Street	Western Avenue	Norton Avenue	PCC	2010	Repair spalls, patch, replace slabs, and seal cracks & joints	\$305,912
Sioux Falls	sx286o	21.8	41st Street	Cliff Avenue	.23 mi West	AC	1995	Patch, rout & seal cracks, & overlay	\$39,152
Sioux Falls	sx286o	21.8	41st Street	Cliff Avenue	.23 mi West	AC	2000	Rout & seal cracks	\$2,137
Sioux Falls	sx286o	21.8	41st Street	Cliff Avenue	.23 mi West	AC	2002	Rout & seal cracks	\$2,137
Sioux Falls	sx286o	21.8	41st Street	Cliff Avenue	.23 mi West	AC	2004	Patch, rout & seal cracks	\$3,789
Sioux Falls	sx286o	21.8	41st Street	Cliff Avenue	.23 mi West	AC	2006	Patch, rout & seal cracks	\$3,789
Sioux Falls	sx286o	21.8	41st Street	Cliff Avenue	.23 mi West	AC	2008	Patch, rout & seal cracks	\$3,789
Sioux Falls	sx286o	21.8	41st Street	Cliff Avenue	.23 mi West	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$17,293
Sioux Falls	sx286o	23.5	41st Street	Bahnson Avenue	Sycamore Avenue	Gravel	1995	Regrade, add new gravel layer, and clean ditches & culvert	\$22,417
Sioux Falls	sx286o	23.5	41st Street	Bahnson Avenue	Sycamore Avenue	Gravel	1997	Regrade surface	\$3,770
Sioux Falls	sx286o	23.5	41st Street	Bahnson Avenue	Sycamore Avenue	Gravel	1999	Regrade surface, patch, and clean ditches & culverts	\$9,693
Sioux Falls	sx286o	23.5	41st Street	Bahnson Avenue	Sycamore Avenue	Gravel	2001	Regrade, add new gravel layer, and clean ditches & culvert	\$22,417
Sioux Falls	sx286o	23.5	41st Street	Bahnson Avenue	Sycamore Avenue	Gravel	2003	Regrade surface	\$3,770
Sioux Falls	sx286o	23.5	41st Street	Bahnson Avenue	Sycamore Avenue	Gravel	2005	Regrade surface, patch, and clean ditches & culverts	\$9,693
Sioux Falls	sx286o	23.5	41st Street	Bahnson Avenue	Sycamore Avenue	Gravel	2007	Regrade, add new gravel layer, and clean ditches & culvert	\$22,417
Sioux Falls	sx286o	23.5	41st Street	Bahnson Avenue	Sycamore Avenue	Gravel	2009	Regrade surface	\$3,770
Sioux Falls	sx286o	23.5	41st Street	Bahnson Avenue	Sycamore Avenue	Gravel	2011	Regrade surface, patch, and clean ditches & culverts	\$9,693
Sioux Falls	sx294o	17.5	49th Street	Holbrook Avenue	Marion Road	AC	1995	Patch, rout & seal cracks	\$6,582
Sioux Falls	sx294o	17.5	49th Street	Holbrook Avenue	Marion Road	AC	1997	Patch, rout & seal cracks	\$6,582
Sioux Falls	sx294o	17.5	49th Street	Holbrook Avenue	Marion Road	AC	1999	Patch, rout & seal cracks, & apply surface treatment	\$30,041
Sioux Falls	sx294o	17.5	49th Street	Holbrook Avenue	Marion Road	AC	2004	Patch, rout & seal cracks, & apply surface treatment	\$30,041
Sioux Falls	sx294o	17.5	49th Street	Holbrook Avenue	Marion Road	AC	2009	Patch, rout & seal cracks, & overlay	\$68,016
Sioux Falls	sx294o	17.5	49th Street	Holbrook Avenue	Marion Road	AC	2014	Rout & seal cracks	\$3,713
Sioux Falls	sx294o	23.21	49th Street	Bahnson Avenue	Benjamin Drive	AC	1995	Rout & seal cracks	\$1,254
Sioux Falls	sx294o	23.21	49th Street	Bahnson Avenue	Benjamin Drive	AC	1997	Rout & seal cracks	\$1,254
Sioux Falls	sx294o	23.21	49th Street	Bahnson Avenue	Benjamin Drive	AC	1999	Patch, rout & seal cracks	\$2,223
Sioux Falls	sx294o	23.21	49th Street	Bahnson Avenue	Benjamin Drive	AC	2001	Patch, rout & seal cracks	\$2,223
Sioux Falls	sx294o	23.21	49th Street	Bahnson Avenue	Benjamin Drive	AC	2003	Patch, rout & seal cracks	\$2,223
Sioux Falls	sx294o	23.21	49th Street	Bahnson Avenue	Benjamin Drive	AC	2005	Patch, rout & seal cracks, & apply surface treatment	\$10,150
Sioux Falls	sx294o	23.21	49th Street	Bahnson Avenue	Benjamin Drive	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$10,150
Sioux Falls	sx302o	17.5	57th Street	Holbrook Avenue	Drexel Drive	AC	1996	Rout & seal cracks	\$1,487
Sioux Falls	sx302o	17.5	57th Street	Holbrook Avenue	Drexel Drive	AC	1998	Rout & seal cracks	\$1,487
Sioux Falls	sx302o	17.5	57th Street	Holbrook Avenue	Drexel Drive	AC	2000	Patch, rout & seal cracks	\$2,636
Sioux Falls	sx302o	17.5	57th Street	Holbrook Avenue	Drexel Drive	AC	2002	Patch, rout & seal cracks	\$2,636

Table B.1. Summary of South Dakota City Street Needs Assessment (continued).

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Sioux Falls	sx693e	23.5	Valley View Road	41st Street	32nd Street	AC	1999	Patch, rout & seal cracks	\$7,420
Sioux Falls	sx693e	23.5	Valley View Road	41st Street	32nd Street	AC	2001	Patch, rout & seal cracks, & apply surface treatment	\$33,866
Sioux Falls	sx693e	23.5	Valley View Road	41st Street	32nd Street	AC	2006	Patch, rout & seal cracks, & apply surface treatment	\$33,866
Sioux Falls	sx693e	23.5	Valley View Road	41st Street	32nd Street	AC	2011	Patch, rout & seal cracks, & overlay	\$76,675
Sioux Falls	sx698o	21	Marion Road	North City Limits	Viola Circle	PCC	1995	Rout & seal cracks and joints	\$23,869
Sioux Falls	sx698o	21	Marion Road	North City Limits	Viola Circle	PCC	2000	Rout & seal cracks and joints	\$23,869
Sioux Falls	sx698o	21	Marion Road	North City Limits	Viola Circle	PCC	2005	Repair spalls, patch, and seal cracks and joints	\$41,216
Sioux Falls	sx698o	21	Marion Road	North City Limits	Viola Circle	PCC	2010	Repair spalls, patch, replace slabs, and seal cracks & joints	\$109,120
Sioux Falls	sx698o	23.4	Marion Road	31st Street	37th Street	PCC	1999	Rout & seal cracks and joints	\$23,257
Sioux Falls	sx698o	23.4	Marion Road	31st Street	37th Street	PCC	2004	Rout & seal cracks and joints	\$23,257
Sioux Falls	sx698o	23.4	Marion Road	31st Street	37th Street	PCC	2009	Repair spalls, patch, and seal cracks and joints	\$40,160
Sioux Falls	sx698o	23.4	Marion Road	31st Street	37th Street	PCC	2014	Repair spalls, patch, replace slabs, and seal cracks & joints	\$106,322
Sioux Falls	sx698o	23.8	Marion Road	37th Street	41st Street	PCC	1995	Rout & seal cracks and joints	\$20,402
Sioux Falls	sx698o	23.8	Marion Road	37th Street	41st Street	PCC	2000	Rout & seal cracks and joints	\$20,402
Sioux Falls	sx698o	23.8	Marion Road	37th Street	41st Street	PCC	2005	Repair spalls, patch, and seal cracks and joints	\$35,228
Sioux Falls	sx698o	23.8	Marion Road	37th Street	41st Street	PCC	2010	Repair spalls, patch, replace slabs, and seal cracks & joints	\$93,266
Sioux Falls	sx698o	24.1	Marion Road	44th Street	53rd Street	AC	1995	Patch, rout & seal cracks, & overlay	\$98,731
Sioux Falls	sx698o	24.1	Marion Road	44th Street	53rd Street	AC	2000	Rout & seal cracks	\$5,389
Sioux Falls	sx698o	24.1	Marion Road	44th Street	53rd Street	AC	2002	Rout & seal cracks	\$5,389
Sioux Falls	sx698o	24.1	Marion Road	44th Street	53rd Street	AC	2004	Patch, rout & seal cracks	\$9,554
Sioux Falls	sx698o	24.1	Marion Road	44th Street	53rd Street	AC	2006	Patch, rout & seal cracks	\$9,554
Sioux Falls	sx698o	24.1	Marion Road	44th Street	53rd Street	AC	2008	Patch, rout & seal cracks	\$9,554
Sioux Falls	sx698o	24.1	Marion Road	44th Street	53rd Street	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$43,608
Sioux Falls	sx700o	23	LaMesa Drive	41st Street	54th Street	AC	1995	Patch, rout & seal cracks	\$7,413
Sioux Falls	sx700o	23	LaMesa Drive	41st Street	54th Street	AC	1997	Patch, rout & seal cracks	\$7,413
Sioux Falls	sx700o	23	LaMesa Drive	41st Street	54th Street	AC	1999	Patch, rout & seal cracks	\$7,413
Sioux Falls	sx700o	23	LaMesa Drive	41st Street	54th Street	AC	2001	Patch, rout & seal cracks	\$7,413
Sioux Falls	sx700o	23	LaMesa Drive	41st Street	54th Street	AC	2003	Patch, rout & seal cracks, & apply surface treatment	\$33,834
Sioux Falls	sx700o	23	LaMesa Drive	41st Street	54th Street	AC	2008	Patch, rout & seal cracks, & apply surface treatment	\$33,834
Sioux Falls	sx700o	23	LaMesa Drive	41st Street	54th Street	AC	2013	Patch, rout & seal cracks, & overlay	\$76,602
Sioux Falls	sx706o	23.3	Western Avenue	46th Street	Interstate 229	AC	1995	Patch, rout & seal cracks	\$10,280
Sioux Falls	sx706o	23.3	Western Avenue	46th Street	Interstate 229	AC	1997	Patch, rout & seal cracks	\$10,280
Sioux Falls	sx706o	23.3	Western Avenue	46th Street	Interstate 229	AC	1999	Patch, rout & seal cracks	\$10,280
Sioux Falls	sx706o	23.3	Western Avenue	46th Street	Interstate 229	AC	2001	Patch, rout & seal cracks	\$10,280
Sioux Falls	sx706o	23.3	Western Avenue	46th Street	Interstate 229	AC	2003	Patch, rout & seal cracks, & apply surface treatment	\$46,923
Sioux Falls	sx706o	23.3	Western Avenue	46th Street	Interstate 229	AC	2008	Patch, rout & seal cracks, & apply surface treatment	\$46,923
Sioux Falls	sx706o	23.3	Western Avenue	46th Street	Interstate 229	AC	2013	Patch, rout & seal cracks, & overlay	\$106,237
Sioux Falls	sx708o	19	Industrial/Algonouin	Russell	Minnesota	AC	1995	Rout & seal cracks	\$12,712
Sioux Falls	sx708o	19	Industrial/Algonouin	Russell	Minnesota	AC	1997	Patch, rout & seal cracks	\$22,534
Sioux Falls	sx708o	19	Industrial/Algonouin	Russell	Minnesota	AC	1999	Patch, rout & seal cracks	\$22,534

Table B.1. Summary of South Dakota City Street Needs Assessment (continued).

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Sioux Falls	sx722o	22.9	Western Avenue	26th Street	24th Street	AC	2002	Rout & seal cracks	\$790
Sioux Falls	sx722o	22.9	Western Avenue	26th Street	24th Street	AC	2004	Patch, rout & seal cracks	\$1,400
Sioux Falls	sx722o	22.9	Western Avenue	26th Street	24th Street	AC	2006	Patch, rout & seal cracks	\$1,400
Sioux Falls	sx722o	22.9	Western Avenue	26th Street	24th Street	AC	2008	Patch, rout & seal cracks	\$1,400
Sioux Falls	sx722o	22.9	Western Avenue	26th Street	24th Street	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$6,390
Sioux Falls	sx722o	24.1	Western Avenue	46th Street	42nd Street	AC	1995	Patch, rout & seal cracks, & overlay	\$46,982
Sioux Falls	sx722o	24.1	Western Avenue	46th Street	42nd Street	AC	2000	Rout & seal cracks	\$2,564
Sioux Falls	sx722o	24.1	Western Avenue	46th Street	42nd Street	AC	2002	Rout & seal cracks	\$2,564
Sioux Falls	sx722o	24.1	Western Avenue	46th Street	42nd Street	AC	2004	Patch, rout & seal cracks	\$4,546
Sioux Falls	sx722o	24.1	Western Avenue	46th Street	42nd Street	AC	2006	Patch, rout & seal cracks	\$4,546
Sioux Falls	sx722o	24.1	Western Avenue	46th Street	42nd Street	AC	2008	Patch, rout & seal cracks	\$4,546
Sioux Falls	sx722o	24.1	Western Avenue	46th Street	42nd Street	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$20,751
Sioux Falls	sx722o	24.8	Western Avenue	Interstate 229	Old Yankton Road	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$10,263
Sioux Falls	sx722o	24.8	Western Avenue	Interstate 229	Old Yankton Road	AC	2000	Patch, rout & seal cracks, & overlay	\$23,236
Sioux Falls	sx722o	24.8	Western Avenue	Interstate 229	Old Yankton Road	AC	2005	Rout & seal cracks	\$1,268
Sioux Falls	sx722o	24.8	Western Avenue	Interstate 229	Old Yankton Road	AC	2007	Rout & seal cracks	\$1,268
Sioux Falls	sx722o	24.8	Western Avenue	Interstate 229	Old Yankton Road	AC	2009	Patch, rout & seal cracks	\$2,248
Sioux Falls	sx722o	24.8	Western Avenue	Interstate 229	Old Yankton Road	AC	2011	Patch, rout & seal cracks	\$2,248
Sioux Falls	sx722o	24.8	Western Avenue	Interstate 229	Old Yankton Road	AC	2013	Patch, rout & seal cracks	\$2,248
Sioux Falls	sx739o	20.62	Prairie Avenue	1st Street	10th Street	PCC	1995	Rout & seal cracks and joints	\$46,244
Sioux Falls	sx739o	20.62	Prairie Avenue	1st Street	10th Street	PCC	2000	Rout & seal cracks and joints	\$46,244
Sioux Falls	sx739o	20.62	Prairie Avenue	1st Street	10th Street	PCC	2005	Repair spalls, patch, and seal cracks and joints	\$79,850
Sioux Falls	sx739o	20.62	Prairie Avenue	1st Street	10th Street	PCC	2010	Repair spalls, patch, replace slabs, and seal cracks & joints	\$211,402
Sioux Falls	sx746o	18	Minnesota Avenue	SD 38A	Weather Lane	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$45,450
Sioux Falls	sx746o	18	Minnesota Avenue	SD 38A	Weather Lane	AC	2000	Patch, rout & seal cracks, & overlay	\$102,902
Sioux Falls	sx746o	18	Minnesota Avenue	SD 38A	Weather Lane	AC	2005	Rout & seal cracks	\$5,617
Sioux Falls	sx746o	18	Minnesota Avenue	SD 38A	Weather Lane	AC	2007	Rout & seal cracks	\$5,617
Sioux Falls	sx746o	18	Minnesota Avenue	SD 38A	Weather Lane	AC	2009	Patch, rout & seal cracks	\$9,958
Sioux Falls	sx746o	18	Minnesota Avenue	SD 38A	Weather Lane	AC	2011	Patch, rout & seal cracks	\$9,958
Sioux Falls	sx746o	18	Minnesota Avenue	SD 38A	Weather Lane	AC	2013	Patch, rout & seal cracks	\$9,958
Sioux Falls	sx746o	20	Minnesota Avenue	Weather Lane	.440 mi South	PCC	1995	Rout & seal cracks and joints	\$38,900
Sioux Falls	sx746o	20	Minnesota Avenue	Weather Lane	.440 mi South	PCC	2000	Rout & seal cracks and joints	\$38,900
Sioux Falls	sx746o	20	Minnesota Avenue	Weather Lane	.440 mi South	PCC	2005	Repair spalls, patch, and seal cracks and joints	\$67,168
Sioux Falls	sx746o	20	Minnesota Avenue	Weather Lane	.440 mi South	PCC	2010	Repair spalls, patch, replace slabs, and seal cracks & joints	\$177,827
Sioux Falls	sx767o	24.5	Cliff Avenue	Crestview Drive	54th Street	AC	1999	Rout & seal cracks	\$2,449
Sioux Falls	sx767o	24.5	Cliff Avenue	Crestview Drive	54th Street	AC	2001	Rout & seal cracks	\$2,449
Sioux Falls	sx767o	24.5	Cliff Avenue	Crestview Drive	54th Street	AC	2003	Patch, rout & seal cracks	\$4,341
Sioux Falls	sx767o	24.5	Cliff Avenue	Crestview Drive	54th Street	AC	2005	Patch, rout & seal cracks	\$4,341
Sioux Falls	sx767o	24.5	Cliff Avenue	Crestview Drive	54th Street	AC	2007	Patch, rout & seal cracks	\$4,341
Sioux Falls	sx767o	24.5	Cliff Avenue	Crestview Drive	54th Street	AC	2009	Patch, rout & seal cracks, & apply surface treatment	\$19,811

Table B.1. Summary of South Dakota City Street Needs Assessment (continued).

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Sioux Falls	sx792o	24	Bahnson Avenue	41st Street	49th Street	AC	1995	Rout & seal cracks	\$4,181
Sioux Falls	sx792o	24	Bahnson Avenue	41st Street	49th Street	AC	1997	Rout & seal cracks	\$4,181
Sioux Falls	sx792o	24	Bahnson Avenue	41st Street	49th Street	AC	1999	Patch, rout & seal cracks	\$7,413
Sioux Falls	sx792o	24	Bahnson Avenue	41st Street	49th Street	AC	2001	Patch, rout & seal cracks	\$7,413
Sioux Falls	sx792o	24	Bahnson Avenue	41st Street	49th Street	AC	2003	Patch, rout & seal cracks	\$7,413
Sioux Falls	sx792o	24	Bahnson Avenue	41st Street	49th Street	AC	2005	Patch, rout & seal cracks	\$7,413
Sioux Falls	sx792o	24	Bahnson Avenue	41st Street	49th Street	AC	2007	Patch, rout & seal cracks, & apply surface treatment	\$33,834
Sioux Falls	sx792o	24	Bahnson Avenue	41st Street	49th Street	AC	2012	Patch, rout & seal cracks, & apply surface treatment	\$33,834
Sioux Falls	sx800o	22	Sycamore Avenue	20th Street	SD38	AC	1995	Patch, rout & seal cracks	\$8,730
Sioux Falls	sx800o	22	Sycamore Avenue	20th Street	SD38	AC	1997	Patch, rout & seal cracks	\$8,730
Sioux Falls	sx800o	22	Sycamore Avenue	20th Street	SD38	AC	1999	Patch, rout & seal cracks, & apply surface treatment	\$39,848
Sioux Falls	sx800o	22	Sycamore Avenue	20th Street	SD38	AC	2004	Patch, rout & seal cracks, & apply surface treatment	\$39,848
Sioux Falls	sx800o	22	Sycamore Avenue	20th Street	SD38	AC	2009	Patch, rout & seal cracks, & overlay	\$90,220
Sioux Falls	sx800o	22	Sycamore Avenue	20th Street	SD38	AC	2014	Rout & seal cracks	\$4,925
Sioux Falls	sx800o	23	Sycamore Avenue	26th Street	57th Street	AC	1995	Patch, rout & seal cracks, & overlay	\$133,245
Sioux Falls	sx800o	23	Sycamore Avenue	26th Street	57th Street	AC	2000	Rout & seal cracks	\$7,273
Sioux Falls	sx800o	23	Sycamore Avenue	26th Street	57th Street	AC	2002	Rout & seal cracks	\$7,273
Sioux Falls	sx800o	23	Sycamore Avenue	26th Street	57th Street	AC	2004	Patch, rout & seal cracks	\$12,894
Sioux Falls	sx800o	23	Sycamore Avenue	26th Street	57th Street	AC	2006	Patch, rout & seal cracks	\$12,894
Sioux Falls	sx800o	23	Sycamore Avenue	26th Street	57th Street	AC	2008	Patch, rout & seal cracks	\$12,894
Sioux Falls	sx800o	23	Sycamore Avenue	26th Street	57th Street	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$58,853
Spearfish	td235o	9.1	Utah Boulevard	Spearfish Creek	5th Street	AC	1995	Patch, rout & seal cracks	\$2,438
Spearfish	td235o	9.1	Utah Boulevard	Spearfish Creek	5th Street	AC	1997	Patch, rout & seal cracks	\$2,438
Spearfish	td235o	9.1	Utah Boulevard	Spearfish Creek	5th Street	AC	1999	Patch, rout & seal cracks, & apply surface treatment	\$11,130
Spearfish	td235o	9.1	Utah Boulevard	Spearfish Creek	5th Street	AC	2004	Patch, rout & seal cracks, & apply surface treatment	\$11,130
Spearfish	td235o	9.1	Utah Boulevard	Spearfish Creek	5th Street	AC	2009	Patch, rout & seal cracks, & overlay	\$25,199
Spearfish	td235o	9.1	Utah Boulevard	Spearfish Creek	5th Street	AC	2014	Rout & seal cracks	\$1,375
Spearfish	td248o	9.08	Jackson Boulevard	Lower Valley Road	Ames Avenue	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$10,215
Spearfish	td248o	9.08	Jackson Boulevard	Lower Valley Road	Ames Avenue	AC	2000	Patch, rout & seal cracks, & overlay	\$23,128
Spearfish	td248o	9.08	Jackson Boulevard	Lower Valley Road	Ames Avenue	AC	2005	Rout & seal cracks	\$1,262
Spearfish	td248o	9.08	Jackson Boulevard	Lower Valley Road	Ames Avenue	AC	2007	Rout & seal cracks	\$1,262
Spearfish	td248o	9.08	Jackson Boulevard	Lower Valley Road	Ames Avenue	AC	2009	Patch, rout & seal cracks	\$2,238
Spearfish	td248o	9.08	Jackson Boulevard	Lower Valley Road	Ames Avenue	AC	2011	Patch, rout & seal cracks	\$2,238
Spearfish	td248o	9.08	Jackson Boulevard	Lower Valley Road	Ames Avenue	AC	2013	Patch, rout & seal cracks	\$2,238
Spearfish	td248o	9.1	Jackson Boulevard	Ames Avenue	Meier Street	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$12,781
Spearfish	td248o	9.1	Jackson Boulevard	Ames Avenue	Meier Street	AC	2000	Patch, rout & seal cracks, & overlay	\$28,938
Spearfish	td248o	9.1	Jackson Boulevard	Ames Avenue	Meier Street	AC	2005	Rout & seal cracks	\$1,580
Spearfish	td248o	9.1	Jackson Boulevard	Ames Avenue	Meier Street	AC	2007	Rout & seal cracks	\$1,580
Spearfish	td248o	9.1	Jackson Boulevard	Ames Avenue	Meier Street	AC	2009	Patch, rout & seal cracks	\$2,800
Spearfish	td248o	9.1	Jackson Boulevard	Ames Avenue	Meier Street	AC	2011	Patch, rout & seal cracks	\$2,800

Table B.1. Summary of South Dakota City Street Needs Assessment (continued).

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Spearfish	td747o	7.89	Canyon Street	Jackson Boulevard	Illinois Street	AC	2009	Patch, rout & seal cracks	\$1,382
Spearfish	td747o	7.89	Canyon Street	Jackson Boulevard	Illinois Street	AC	2011	Patch, rout & seal cracks	\$1,382
Spearfish	td747o	7.89	Canyon Street	Jackson Boulevard	Illinois Street	AC	2013	Patch, rout & seal cracks	\$1,382
Spearfish	td750a	8.38	Colorado Boulevard	Lariat Drive	Dahl Road	AC	1996	Rout & seal cracks	\$2,787
Spearfish	td750a	8.38	Colorado Boulevard	Lariat Drive	Dahl Road	AC	1998	Rout & seal cracks	\$2,787
Spearfish	td750a	8.38	Colorado Boulevard	Lariat Drive	Dahl Road	AC	2000	Patch, rout & seal cracks	\$4,941
Spearfish	td750a	8.38	Colorado Boulevard	Lariat Drive	Dahl Road	AC	2002	Patch, rout & seal cracks	\$4,941
Spearfish	td750a	8.38	Colorado Boulevard	Lariat Drive	Dahl Road	AC	2004	Patch, rout & seal cracks	\$4,941
Spearfish	td750a	8.38	Colorado Boulevard	Lariat Drive	Dahl Road	AC	2006	Patch, rout & seal cracks, & apply surface treatment	\$22,552
Spearfish	td750a	8.38	Colorado Boulevard	Lariat Drive	Dahl Road	AC	2011	Patch, rout & seal cracks, & apply surface treatment	\$22,552
Spearfish	td750o	7.17	Main Street	Ryan Road	Rushmore Street	AC	1998	Rout & seal cracks	\$1,584
Spearfish	td750o	7.17	Main Street	Ryan Road	Rushmore Street	AC	2000	Rout & seal cracks	\$1,584
Spearfish	td750o	7.17	Main Street	Ryan Road	Rushmore Street	AC	2002	Patch, rout & seal cracks	\$2,809
Spearfish	td750o	7.17	Main Street	Ryan Road	Rushmore Street	AC	2004	Patch, rout & seal cracks	\$2,809
Spearfish	td750o	7.17	Main Street	Ryan Road	Rushmore Street	AC	2006	Patch, rout & seal cracks	\$2,809
Spearfish	td750o	7.17	Main Street	Ryan Road	Rushmore Street	AC	2008	Patch, rout & seal cracks, & apply surface treatment	\$12,823
Spearfish	td750o	7.17	Main Street	Ryan Road	Rushmore Street	AC	2013	Patch, rout & seal cracks, & apply surface treatment	\$12,823
Spearfish	td750o	7.6	Main Street	Lincoln Street	Jackson Boulevard	AC	1998	Rout & seal cracks	\$3,066
Spearfish	td750o	7.6	Main Street	Lincoln Street	Jackson Boulevard	AC	2000	Rout & seal cracks	\$3,066
Spearfish	td750o	7.6	Main Street	Lincoln Street	Jackson Boulevard	AC	2002	Patch, rout & seal cracks	\$5,436
Spearfish	td750o	7.6	Main Street	Lincoln Street	Jackson Boulevard	AC	2004	Patch, rout & seal cracks	\$5,436
Spearfish	td750o	7.6	Main Street	Lincoln Street	Jackson Boulevard	AC	2006	Patch, rout & seal cracks	\$5,436
Spearfish	td750o	7.6	Main Street	Lincoln Street	Jackson Boulevard	AC	2008	Patch, rout & seal cracks, & apply surface treatment	\$24,811
Spearfish	td750o	7.6	Main Street	Lincoln Street	Jackson Boulevard	AC	2013	Patch, rout & seal cracks, & apply surface treatment	\$24,811
Spearfish	td750o	7.7	Main Street	Jackson Boulevard	Hudson Street	AC	1997	Rout & seal cracks	\$3,066
Spearfish	td750o	7.7	Main Street	Jackson Boulevard	Hudson Street	AC	1999	Rout & seal cracks	\$3,066
Spearfish	td750o	7.7	Main Street	Jackson Boulevard	Hudson Street	AC	2001	Patch, rout & seal cracks	\$5,436
Spearfish	td750o	7.7	Main Street	Jackson Boulevard	Hudson Street	AC	2003	Patch, rout & seal cracks	\$5,436
Spearfish	td750o	7.7	Main Street	Jackson Boulevard	Hudson Street	AC	2005	Patch, rout & seal cracks	\$5,436
Spearfish	td750o	7.7	Main Street	Jackson Boulevard	Hudson Street	AC	2007	Patch, rout & seal cracks, & apply surface treatment	\$24,811
Spearfish	td750o	7.7	Main Street	Jackson Boulevard	Hudson Street	AC	2012	Patch, rout & seal cracks, & apply surface treatment	\$24,811
Sturgis	tr241o	70	Ball Park Road	Railroad Tracks	Junction Avenue	AC	2000	Rout & seal cracks	\$8,549
Sturgis	tr241o	70	Ball Park Road	Railroad Tracks	Junction Avenue	AC	2002	Rout & seal cracks	\$8,549
Sturgis	tr241o	70	Ball Park Road	Railroad Tracks	Junction Avenue	AC	2004	Patch, rout & seal cracks	\$15,155
Sturgis	tr241o	70	Ball Park Road	Railroad Tracks	Junction Avenue	AC	2006	Patch, rout & seal cracks	\$15,155
Sturgis	tr241o	70	Ball Park Road	Railroad Tracks	Junction Avenue	AC	2008	Patch, rout & seal cracks	\$15,155
Sturgis	tr241o	70	Ball Park Road	Railroad Tracks	Junction Avenue	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$69,172
Sturgis	tr247o	2.2	William Street	10th Street	9th Street	Blotter	1995	Patch and apply surface treatment	\$4,195
Sturgis	tr247o	2.2	William Street	10th Street	9th Street	Blotter	2000	Patch and apply surface treatment	\$4,195
Sturgis	tr247o	2.2	William Street	10th Street	9th Street	Blotter	2005	Patch and apply surface treatment	\$4,195

Table B.1. Summary of South Dakota City Street Needs Assessment (continued).

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Sturgis	tr748o	43.1	1st Street	Main Street	Sherman Street	AC	2000	Patch, rout & seal cracks, & apply surface treatment	\$3,605
Sturgis	tr748o	43.1	1st Street	Main Street	Sherman Street	AC	2005	Patch, rout & seal cracks, & overlay	\$8,162
Sturgis	tr748o	43.1	1st Street	Main Street	Sherman Street	AC	2010	Rout & seal cracks	\$446
Sturgis	tr748o	43.1	1st Street	Main Street	Sherman Street	AC	2012	Rout & seal cracks	\$446
Sturgis	tr748o	43.1	1st Street	Main Street	Sherman Street	AC	2014	Patch, rout & seal cracks	\$790
Sturgis	tr752o	43.3	Fulton Street	Douglas Street	Shephard Street	AC	1995	Rout & seal cracks	\$1,840
Sturgis	tr752o	43.3	Fulton Street	Douglas Street	Shephard Street	AC	1997	Rout & seal cracks	\$1,840
Sturgis	tr752o	43.3	Fulton Street	Douglas Street	Shephard Street	AC	1999	Patch, rout & seal cracks	\$3,262
Sturgis	tr752o	43.3	Fulton Street	Douglas Street	Shephard Street	AC	2001	Patch, rout & seal cracks	\$3,262
Sturgis	tr752o	43.3	Fulton Street	Douglas Street	Shephard Street	AC	2003	Patch, rout & seal cracks	\$3,262
Sturgis	tr752o	43.3	Fulton Street	Douglas Street	Shephard Street	AC	2005	Patch, rout & seal cracks, & apply surface treatment	\$14,892
Sturgis	tr752o	43.3	Fulton Street	Douglas Street	Shephard Street	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$14,892
Vermillion	uz246o	10	Clark Street	Carr Street	Franklin Street	AC	1995	Rout & seal cracks	\$2,593
Vermillion	uz246o	10	Clark Street	Carr Street	Franklin Street	AC	1997	Rout & seal cracks	\$2,593
Vermillion	uz246o	10	Clark Street	Carr Street	Franklin Street	AC	1999	Patch, rout & seal cracks	\$4,596
Vermillion	uz246o	10	Clark Street	Carr Street	Franklin Street	AC	2001	Patch, rout & seal cracks	\$4,596
Vermillion	uz246o	10	Clark Street	Carr Street	Franklin Street	AC	2003	Patch, rout & seal cracks	\$4,596
Vermillion	uz246o	10	Clark Street	Carr Street	Franklin Street	AC	2005	Patch, rout & seal cracks, & apply surface treatment	\$20,979
Vermillion	uz246o	10	Clark Street	Carr Street	Franklin Street	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$20,979
Vermillion	uz246o	10.8	Clark Street	Stanford	Carr Street	AC	1995	Rout & seal cracks	\$2,006
Vermillion	uz246o	10.8	Clark Street	Stanford	Carr Street	AC	1997	Rout & seal cracks	\$2,006
Vermillion	uz246o	10.8	Clark Street	Stanford	Carr Street	AC	1999	Patch, rout & seal cracks	\$3,557
Vermillion	uz246o	10.8	Clark Street	Stanford	Carr Street	AC	2001	Patch, rout & seal cracks	\$3,557
Vermillion	uz246o	10.8	Clark Street	Stanford	Carr Street	AC	2003	Patch, rout & seal cracks	\$3,557
Vermillion	uz246o	10.8	Clark Street	Stanford	Carr Street	AC	2005	Patch, rout & seal cracks, & apply surface treatment	\$16,238
Vermillion	uz246o	10.8	Clark Street	Stanford	Carr Street	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$16,238
Vermillion	uz249o	11.6	National Street	Prospect Street	Dakota Street	AC	1995	Patch, rout & seal cracks	\$2,356
Vermillion	uz249o	11.6	National Street	Prospect Street	Dakota Street	AC	1997	Patch, rout & seal cracks	\$2,356
Vermillion	uz249o	11.6	National Street	Prospect Street	Dakota Street	AC	1999	Patch, rout & seal cracks	\$2,356
Vermillion	uz249o	11.6	National Street	Prospect Street	Dakota Street	AC	2001	Patch, rout & seal cracks	\$2,356
Vermillion	uz249o	11.6	National Street	Prospect Street	Dakota Street	AC	2003	Patch, rout & seal cracks, & apply surface treatment	\$10,751
Vermillion	uz249o	11.6	National Street	Prospect Street	Dakota Street	AC	2008	Patch, rout & seal cracks, & apply surface treatment	\$10,751
Vermillion	uz249o	11.6	National Street	Prospect Street	Dakota Street	AC	2013	Remove and replace AC layer	\$38,598
Vermillion	uz250o	12.1	Main Street	University Street	Plum Street	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$12,410
Vermillion	uz250o	12.1	Main Street	University Street	Plum Street	AC	2000	Patch, rout & seal cracks, & apply surface treatment	\$12,410
Vermillion	uz250o	12.1	Main Street	University Street	Plum Street	AC	2005	Remove and replace AC layer	\$44,550
Vermillion	uz250o	12.1	Main Street	University Street	Plum Street	AC	2010	Rout & seal cracks	\$1,533
Vermillion	uz250o	12.1	Main Street	University Street	Plum Street	AC	2012	Rout & seal cracks	\$1,533
Vermillion	uz250o	12.1	Main Street	University Street	Plum Street	AC	2014	Patch, rout & seal cracks	\$2,718
Vermillion	uz250o	12.2	Main Street	Plum Street	Sycamore Street	PCC	1995	Rout & seal cracks and joints	\$8,566

Table B.1. Summary of South Dakota City Street Needs Assessment (continued).

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Vermillion	uz743o	21.1	Market Street	Kidder Street	Bloomington Street	AC	2014	Rout & seal cracks	\$891
Vermillion	uz744o	20.9	Prospect Street	National Street	Main Street	AC	1995	Patch, rout & seal cracks	\$1,647
Vermillion	uz744o	20.9	Prospect Street	National Street	Main Street	AC	1997	Patch, rout & seal cracks	\$1,647
Vermillion	uz744o	20.9	Prospect Street	National Street	Main Street	AC	1999	Patch, rout & seal cracks	\$1,647
Vermillion	uz744o	20.9	Prospect Street	National Street	Main Street	AC	2001	Patch, rout & seal cracks	\$1,647
Vermillion	uz744o	20.9	Prospect Street	National Street	Main Street	AC	2003	Patch, rout & seal cracks, & apply surface treatment	\$7,519
Vermillion	uz744o	20.9	Prospect Street	National Street	Main Street	AC	2008	Patch, rout & seal cracks, & apply surface treatment	\$7,519
Vermillion	uz744o	20.9	Prospect Street	National Street	Main Street	AC	2013	Remove and replace AC layer	\$26,991
Vermillion	uz745o	20.3	Cottage Street	Duke Street	Cherry Street	AC	1995	Rout & seal cracks	\$1,895
Vermillion	uz745o	20.3	Cottage Street	Duke Street	Cherry Street	AC	1997	Patch, rout & seal cracks	\$3,360
Vermillion	uz745o	20.3	Cottage Street	Duke Street	Cherry Street	AC	1999	Patch, rout & seal cracks	\$3,360
Vermillion	uz745o	20.3	Cottage Street	Duke Street	Cherry Street	AC	2001	Patch, rout & seal cracks	\$3,360
Vermillion	uz745o	20.3	Cottage Street	Duke Street	Cherry Street	AC	2003	Patch, rout & seal cracks	\$3,360
Vermillion	uz745o	20.3	Cottage Street	Duke Street	Cherry Street	AC	2005	Patch, rout & seal cracks, & apply surface treatment	\$15,338
Vermillion	uz745o	20.3	Cottage Street	Duke Street	Cherry Street	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$15,338
Vermillion	uz745o	20.5	Cottage Street	Cherry Street	Dartmouth Street	AC	1998	Rout & seal cracks	\$1,329
Vermillion	uz745o	20.5	Cottage Street	Cherry Street	Dartmouth Street	AC	2000	Rout & seal cracks	\$1,329
Vermillion	uz745o	20.5	Cottage Street	Cherry Street	Dartmouth Street	AC	2002	Patch, rout & seal cracks	\$2,356
Vermillion	uz745o	20.5	Cottage Street	Cherry Street	Dartmouth Street	AC	2004	Patch, rout & seal cracks	\$2,356
Vermillion	uz745o	20.5	Cottage Street	Cherry Street	Dartmouth Street	AC	2006	Patch, rout & seal cracks	\$2,356
Vermillion	uz745o	20.5	Cottage Street	Cherry Street	Dartmouth Street	AC	2008	Patch, rout & seal cracks, & apply surface treatment	\$10,755
Vermillion	uz745o	20.5	Cottage Street	Cherry Street	Dartmouth Street	AC	2013	Patch, rout & seal cracks, & apply surface treatment	\$10,755
Vermillion	uz750o	20	Dakota Street	North City Limits	Cherry Street	PCC	1995	Rout & seal cracks and joints	\$39,984
Vermillion	uz750o	20	Dakota Street	North City Limits	Cherry Street	PCC	2000	Repair spalls, patch, and seal cracks and joints	\$69,041
Vermillion	uz750o	20	Dakota Street	North City Limits	Cherry Street	PCC	2005	Repair spalls, patch, and seal cracks and joints	\$69,041
Vermillion	uz750o	20	Dakota Street	North City Limits	Cherry Street	PCC	2010	Repair spalls, patch, replace slabs, and seal cracks & joints	\$182,786
Vermillion	uz750o	20.5	Dakota Street	Cherry Street	Clark Street	AC	1995	Rout & seal cracks	\$2,021
Vermillion	uz750o	20.5	Dakota Street	Cherry Street	Clark Street	AC	1997	Patch, rout & seal cracks	\$3,582
Vermillion	uz750o	20.5	Dakota Street	Cherry Street	Clark Street	AC	1999	Patch, rout & seal cracks	\$3,582
Vermillion	uz750o	20.5	Dakota Street	Cherry Street	Clark Street	AC	2001	Patch, rout & seal cracks	\$3,582
Vermillion	uz750o	20.5	Dakota Street	Cherry Street	Clark Street	AC	2003	Patch, rout & seal cracks	\$3,582
Vermillion	uz750o	20.5	Dakota Street	Cherry Street	Clark Street	AC	2005	Patch, rout & seal cracks, & apply surface treatment	\$16,352
Vermillion	uz750o	20.5	Dakota Street	Cherry Street	Clark Street	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$16,352
Vermillion	uz750o	21	Dakota Street	Cedar Street	Main Street	AC	1995	Rout & seal cracks	\$975
Vermillion	uz750o	21	Dakota Street	Cedar Street	Main Street	AC	1997	Patch, rout & seal cracks	\$1,729
Vermillion	uz750o	21	Dakota Street	Cedar Street	Main Street	AC	1999	Patch, rout & seal cracks	\$1,729
Vermillion	uz750o	21	Dakota Street	Cedar Street	Main Street	AC	2001	Patch, rout & seal cracks	\$1,729
Vermillion	uz750o	21	Dakota Street	Cedar Street	Main Street	AC	2003	Patch, rout & seal cracks	\$1,729
Vermillion	uz750o	21	Dakota Street	Cedar Street	Main Street	AC	2005	Patch, rout & seal cracks, & apply surface treatment	\$7,892
Vermillion	uz750o	21	Dakota Street	Cedar Street	Main Street	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$7,892



Table B.1. Summary of South Dakota City Street Needs Assessment (continued).

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Vermillion	uz760o	21.2	Plum Street	Main Street	Jane Street	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$9,284
Vermillion	uz770o	21	Norbeck Street	Main Street	Lewis Street	AC	1995	Patch, rout & seal cracks	\$4,150
Vermillion	uz770o	21	Norbeck Street	Main Street	Lewis Street	AC	1997	Patch, rout & seal cracks	\$4,150
Vermillion	uz770o	21	Norbeck Street	Main Street	Lewis Street	AC	1999	Patch, rout & seal cracks	\$4,150
Vermillion	uz770o	21	Norbeck Street	Main Street	Lewis Street	AC	2001	Patch, rout & seal cracks	\$4,150
Vermillion	uz770o	21	Norbeck Street	Main Street	Lewis Street	AC	2003	Patch, rout & seal cracks, & apply surface treatment	\$18,941
Vermillion	uz770o	21	Norbeck Street	Main Street	Lewis Street	AC	2008	Patch, rout & seal cracks, & apply surface treatment	\$18,941
Vermillion	uz770o	21	Norbeck Street	Main Street	Lewis Street	AC	2013	Patch, rout & seal cracks, & overlay	\$42,885
Watertown	vz236o	19	14th Avenue	4th Street East	11th Street East	AC	1995	Patch, rout & seal cracks	\$7,413
Watertown	vz236o	19	14th Avenue	4th Street East	11th Street East	AC	1997	Patch, rout & seal cracks	\$7,413
Watertown	vz236o	19	14th Avenue	4th Street East	11th Street East	AC	1999	Patch, rout & seal cracks, & apply surface treatment	\$33,834
Watertown	vz236o	19	14th Avenue	4th Street East	11th Street East	AC	2004	Patch, rout & seal cracks, & apply surface treatment	\$33,834
Watertown	vz236o	19	14th Avenue	4th Street East	11th Street East	AC	2009	Patch, rout & seal cracks, & overlay	\$76,602
Watertown	vz236o	19	14th Avenue	4th Street East	11th Street East	AC	2014	Rout & seal cracks	\$4,181
Watertown	vz243o	18.4	10th Avenue North	2nd Street West	Maple Street North	AC	1995	Patch, rout & seal cracks	\$3,702
Watertown	vz243o	18.4	10th Avenue North	2nd Street West	Maple Street North	AC	1997	Patch, rout & seal cracks, & apply surface treatment	\$16,898
Watertown	vz243o	18.4	10th Avenue North	2nd Street West	Maple Street North	AC	2002	Patch, rout & seal cracks, & apply surface treatment	\$16,898
Watertown	vz243o	18.4	10th Avenue North	2nd Street West	Maple Street North	AC	2007	Patch, rout & seal cracks, & overlay	\$38,258
Watertown	vz243o	18.4	10th Avenue North	2nd Street West	Maple Street North	AC	2012	Rout & seal cracks	\$2,088
Watertown	vz243o	18.4	10th Avenue North	2nd Street West	Maple Street North	AC	2014	Rout & seal cracks	\$2,088
Watertown	vz243o	18.7	10th Avenue North	Maple Street North	4th Street East	AC	1995	Patch, rout & seal cracks	\$3,126
Watertown	vz243o	18.7	10th Avenue North	Maple Street North	4th Street East	AC	1997	Patch, rout & seal cracks	\$3,126
Watertown	vz243o	18.7	10th Avenue North	Maple Street North	4th Street East	AC	1999	Patch, rout & seal cracks	\$3,126
Watertown	vz243o	18.7	10th Avenue North	Maple Street North	4th Street East	AC	2001	Patch, rout & seal cracks, & apply surface treatment	\$14,267
Watertown	vz243o	18.7	10th Avenue North	Maple Street North	4th Street East	AC	2006	Patch, rout & seal cracks, & apply surface treatment	\$14,267
Watertown	vz243o	18.7	10th Avenue North	Maple Street North	4th Street East	AC	2011	Patch, rout & seal cracks, & overlay	\$32,300
Watertown	vz249c	15	Golf Course Road	4th Avenue South	South Lake Drive	AC	1995	Patch, rout & seal cracks	\$25,225
Watertown	vz249c	15	Golf Course Road	4th Avenue South	South Lake Drive	AC	1997	Patch, rout & seal cracks, & apply surface treatment	\$115,129
Watertown	vz249c	15	Golf Course Road	4th Avenue South	South Lake Drive	AC	2002	Patch, rout & seal cracks, & apply surface treatment	\$115,129
Watertown	vz249c	15	Golf Course Road	4th Avenue South	South Lake Drive	AC	2007	Patch, rout & seal cracks, & overlay	\$260,660
Watertown	vz249c	15	Golf Course Road	4th Avenue South	South Lake Drive	AC	2012	Rout & seal cracks	\$14,230
Watertown	vz249c	15	Golf Course Road	4th Avenue South	South Lake Drive	AC	2014	Rout & seal cracks	\$14,230
Watertown	vz250o	17.7	3rd Avenue North	10th Street West	8th Street West	AC	1995	Patch, rout & seal cracks	\$2,347
Watertown	vz250o	17.7	3rd Avenue North	10th Street West	8th Street West	AC	1997	Patch, rout & seal cracks, & apply surface treatment	\$10,714
Watertown	vz250o	17.7	3rd Avenue North	10th Street West	8th Street West	AC	2002	Patch, rout & seal cracks, & apply surface treatment	\$10,714
Watertown	vz250o	17.7	3rd Avenue North	10th Street West	8th Street West	AC	2007	Patch, rout & seal cracks, & overlay	\$24,257
Watertown	vz250o	17.7	3rd Avenue North	10th Street West	8th Street West	AC	2012	Rout & seal cracks	\$1,323
Watertown	vz250o	17.7	3rd Avenue North	10th Street West	8th Street West	AC	2014	Rout & seal cracks	\$1,323
Watertown	vz250o	17.9	3rd Avenue North	8th Street West	Sioux River	AC	1995	Patch, rout & seal cracks	\$2,594
Watertown	vz250o	17.9	3rd Avenue North	8th Street West	Sioux River	AC	1997	Patch, rout & seal cracks	\$2,594

**Table B.1. Summary of South Dakota City Street Needs Assessment (continued).**

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Watertown	vz257o	18.5	Kemp Avenue	4th Street West	3rd Street West	AC	2009	Patch, rout & seal cracks, & overlay	\$33,705
Watertown	vz257o	18.5	Kemp Avenue	4th Street West	3rd Street West	AC	2014	Rout & seal cracks	\$1,839
Watertown	vz258o	18.7	1st Avenue North	Maple Street	4th Street East	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$34,304
Watertown	vz258o	18.7	1st Avenue North	Maple Street	4th Street East	AC	2000	Patch, rout & seal cracks, & apply surface treatment	\$34,304
Watertown	vz258o	18.7	1st Avenue North	Maple Street	4th Street East	AC	2005	Patch, rout & seal cracks, & overlay	\$77,666
Watertown	vz258o	18.7	1st Avenue North	Maple Street	4th Street East	AC	2010	Rout & seal cracks	\$4,239
Watertown	vz258o	18.7	1st Avenue North	Maple Street	4th Street East	AC	2012	Rout & seal cracks	\$4,239
Watertown	vz258o	18.7	1st Avenue North	Maple Street	4th Street East	AC	2014	Patch, rout & seal cracks	\$7,515
Watertown	vz720o	17	21st Street	3rd Avenue North	Kemp Avenue West	AC	1995	Patch, rout & seal cracks	\$1,482
Watertown	vz720o	17	21st Street	3rd Avenue North	Kemp Avenue West	AC	1997	Patch, rout & seal cracks, & apply surface treatment	\$6,766
Watertown	vz720o	17	21st Street	3rd Avenue North	Kemp Avenue West	AC	2002	Patch, rout & seal cracks, & apply surface treatment	\$6,766
Watertown	vz720o	17	21st Street	3rd Avenue North	Kemp Avenue West	AC	2007	Patch, rout & seal cracks, & overlay	\$15,320
Watertown	vz720o	17	21st Street	3rd Avenue North	Kemp Avenue West	AC	2012	Rout & seal cracks	\$836
Watertown	vz720o	17	21st Street	3rd Avenue North	Kemp Avenue West	AC	2014	Rout & seal cracks	\$836
Watertown	vz742o	17.2	3rd Street West	1st Avenue North	Kemp Avenue East	AC	1995	Patch, rout & seal cracks	\$1,647
Watertown	vz742o	17.2	3rd Street West	1st Avenue North	Kemp Avenue East	AC	1997	Patch, rout & seal cracks	\$1,647
Watertown	vz742o	17.2	3rd Street West	1st Avenue North	Kemp Avenue East	AC	1999	Patch, rout & seal cracks, & apply surface treatment	\$7,519
Watertown	vz742o	17.2	3rd Street West	1st Avenue North	Kemp Avenue East	AC	2004	Patch, rout & seal cracks, & apply surface treatment	\$7,519
Watertown	vz742o	17.2	3rd Street West	1st Avenue North	Kemp Avenue East	AC	2009	Patch, rout & seal cracks, & overlay	\$17,023
Watertown	vz742o	17.2	3rd Street West	1st Avenue North	Kemp Avenue East	AC	2014	Rout & seal cracks	\$928
Watertown	vz746o	9.4	Broadway Street	7th Avenue South	9th Avenue South	AC	1995	Patch, rout & seal cracks	\$3,991
Watertown	vz746o	9.4	Broadway Street	7th Avenue South	9th Avenue South	AC	1997	Patch, rout & seal cracks, & apply surface treatment	\$18,213
Watertown	vz746o	9.4	Broadway Street	7th Avenue South	9th Avenue South	AC	2002	Patch, rout & seal cracks, & apply surface treatment	\$18,213
Watertown	vz746o	9.4	Broadway Street	7th Avenue South	9th Avenue South	AC	2007	Patch, rout & seal cracks, & overlay	\$41,237
Watertown	vz746o	9.4	Broadway Street	7th Avenue South	9th Avenue South	AC	2012	Rout & seal cracks	\$2,251
Watertown	vz746o	9.4	Broadway Street	7th Avenue South	9th Avenue South	AC	2014	Rout & seal cracks	\$2,251
Watertown	vz746o	18	Broadway Street	9th Avenue South	South City Limits	AC	1995	Reconstruct with new AC pavement	\$153,303
Watertown	vz746o	18	Broadway Street	9th Avenue South	South City Limits	AC	2000	Rout & seal cracks	\$2,760
Watertown	vz746o	18	Broadway Street	9th Avenue South	South City Limits	AC	2002	Rout & seal cracks	\$2,760
Watertown	vz746o	18	Broadway Street	9th Avenue South	South City Limits	AC	2004	Patch, rout & seal cracks	\$4,893
Watertown	vz746o	18	Broadway Street	9th Avenue South	South City Limits	AC	2006	Patch, rout & seal cracks	\$4,893
Watertown	vz746o	18	Broadway Street	9th Avenue South	South City Limits	AC	2008	Patch, rout & seal cracks	\$4,893
Watertown	vz746o	18	Broadway Street	9th Avenue South	South City Limits	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$22,330
Watertown	vz747o	17	Maple Street	3rd Avenue North	Railroad Tracks	Blotter	1998	Patch and apply surface treatment	\$8,807
Watertown	vz747o	17	Maple Street	3rd Avenue North	Railroad Tracks	Blotter	2003	Patch and apply surface treatment	\$8,807
Watertown	vz747o	17	Maple Street	3rd Avenue North	Railroad Tracks	Blotter	2008	Patch and apply surface treatment	\$8,807
Watertown	vz757o	16.7	11th Street East	10th Avenue North	5th Avenue North	AC	1995	Patch, rout & seal cracks	\$5,600
Watertown	vz757o	16.7	11th Street East	10th Avenue North	5th Avenue North	AC	1997	Patch, rout & seal cracks	\$5,600
Watertown	vz757o	16.7	11th Street East	10th Avenue North	5th Avenue North	AC	1999	Patch, rout & seal cracks, & apply surface treatment	\$25,563
Watertown	vz757o	16.7	11th Street East	10th Avenue North	5th Avenue North	AC	2004	Patch, rout & seal cracks, & apply surface treatment	\$25,563

Table B.1. Summary of South Dakota City Street Needs Assessment (continued).

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Yankton	xr244o	12.6	15th Street	Pearl Street	Picotte	AC	2014	Rout & seal cracks	\$391
Yankton	xr244o	13	15th Street	Peninah Street	Ferdig Street	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$8,119
Yankton	xr244o	13	15th Street	Peninah Street	Ferdig Street	AC	2000	Patch, rout & seal cracks, & overlay	\$18,381
Yankton	xr244o	13	15th Street	Peninah Street	Ferdig Street	AC	2005	Rout & seal cracks	\$1,003
Yankton	xr244o	13	15th Street	Peninah Street	Ferdig Street	AC	2007	Rout & seal cracks	\$1,003
Yankton	xr244o	13	15th Street	Peninah Street	Ferdig Street	AC	2009	Patch, rout & seal cracks	\$1,778
Yankton	xr244o	13	15th Street	Peninah Street	Ferdig Street	AC	2011	Patch, rout & seal cracks	\$1,778
Yankton	xr244o	13	15th Street	Peninah Street	Ferdig Street	AC	2013	Patch, rout & seal cracks	\$1,778
Yankton	xr249o	11.5	11th StreetWest	Summit Street	Green Street	Blotter	1998	Patch and apply surface treatment	\$9,160
Yankton	xr249o	11.5	11th StreetWest	Summit Street	Green Street	Blotter	2003	Patch and apply surface treatment	\$9,160
Yankton	xr249o	11.5	11th StreetWest	Summit Street	Green Street	Blotter	2008	Patch and apply surface treatment	\$9,160
Yankton	xr251o	11	9th Street	West City Limits	Summit Street	PCC	2003	Rout & seal cracks and joints	\$19,583
Yankton	xr251o	11	9th Street	West City Limits	Summit Street	PCC	2008	Rout & seal cracks and joints	\$19,583
Yankton	xr251o	11	9th Street	West City Limits	Summit Street	PCC	2013	Repair spalls, patch, and seal cracks and joints	\$33,813
Yankton	xr252a	12.7	Whiting Drive	Burliegh	Peninah	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$16,691
Yankton	xr252a	12.7	Whiting Drive	Burliegh	Peninah	AC	2000	Patch, rout & seal cracks, & overlay	\$37,789
Yankton	xr252a	12.7	Whiting Drive	Burliegh	Peninah	AC	2005	Rout & seal cracks	\$2,063
Yankton	xr252a	12.7	Whiting Drive	Burliegh	Peninah	AC	2007	Rout & seal cracks	\$2,063
Yankton	xr252a	12.7	Whiting Drive	Burliegh	Peninah	AC	2009	Patch, rout & seal cracks	\$3,656
Yankton	xr252a	12.7	Whiting Drive	Burliegh	Peninah	AC	2011	Patch, rout & seal cracks	\$3,656
Yankton	xr252a	12.7	Whiting Drive	Burliegh	Peninah	AC	2013	Patch, rout & seal cracks	\$3,656
Yankton	xr252a	13	Whiting Drive	Peninah	Ferdig Avenue	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$14,436
Yankton	xr252a	13	Whiting Drive	Peninah	Ferdig Avenue	AC	2000	Patch, rout & seal cracks, & overlay	\$32,683
Yankton	xr252a	13	Whiting Drive	Peninah	Ferdig Avenue	AC	2005	Rout & seal cracks	\$1,784
Yankton	xr252a	13	Whiting Drive	Peninah	Ferdig Avenue	AC	2007	Rout & seal cracks	\$1,784
Yankton	xr252a	13	Whiting Drive	Peninah	Ferdig Avenue	AC	2009	Patch, rout & seal cracks	\$3,163
Yankton	xr252a	13	Whiting Drive	Peninah	Ferdig Avenue	AC	2011	Patch, rout & seal cracks	\$3,163
Yankton	xr252a	13	Whiting Drive	Peninah	Ferdig Avenue	AC	2013	Patch, rout & seal cracks	\$3,163
Yankton	xr252o	11.5	8th Street	Summit Street	Broadway Street	AC	1995	Patch, rout & seal cracks, & apply surface treatment	\$23,905
Yankton	xr252o	11.5	8th Street	Summit Street	Broadway Street	AC	2000	Patch, rout & seal cracks, & overlay	\$54,124
Yankton	xr252o	11.5	8th Street	Summit Street	Broadway Street	AC	2005	Rout & seal cracks	\$2,955
Yankton	xr252o	11.5	8th Street	Summit Street	Broadway Street	AC	2007	Rout & seal cracks	\$2,955
Yankton	xr252o	11.5	8th Street	Summit Street	Broadway Street	AC	2009	Patch, rout & seal cracks	\$5,238
Yankton	xr252o	11.5	8th Street	Summit Street	Broadway Street	AC	2011	Patch, rout & seal cracks	\$5,238
Yankton	xr252o	11.5	8th Street	Summit Street	Broadway Street	AC	2013	Patch, rout & seal cracks	\$5,238
Yankton	xr252o	12.2	8th Street	Douglas Street	Pine Street	AC	1998	Rout & seal cracks	\$892
Yankton	xr252o	12.2	8th Street	Douglas Street	Pine Street	AC	2000	Rout & seal cracks	\$892
Yankton	xr252o	12.2	8th Street	Douglas Street	Pine Street	AC	2002	Patch, rout & seal cracks	\$1,581
Yankton	xr252o	12.2	8th Street	Douglas Street	Pine Street	AC	2004	Patch, rout & seal cracks	\$1,581
Yankton	xr252o	12.2	8th Street	Douglas Street	Pine Street	AC	2006	Patch, rout & seal cracks	\$1,581

Table B.1. Summary of South Dakota City Street Needs Assessment (continued).

City	Branch Number	Section	Street Name	From	To	Pavement Type	Year	Maintenance/Rehabilitation Technique	Repair Cost
Yankton	xr754o	19.5	Douglas Street	9th Street West	15th Street West	AC	1997	Patch, rout & seal cracks	\$2,471
Yankton	xr754o	19.5	Douglas Street	9th Street West	15th Street West	AC	1999	Patch, rout & seal cracks, & apply surface treatment	\$11,277
Yankton	xr754o	19.5	Douglas Street	9th Street West	15th Street West	AC	2004	Patch, rout & seal cracks, & apply surface treatment	\$11,277
Yankton	xr754o	19.5	Douglas Street	9th Street West	15th Street West	AC	2009	Remove and replace AC layer	\$40,487
Yankton	xr754o	19.5	Douglas Street	9th Street West	15th Street West	AC	2014	Rout & seal cracks	\$1,394
Yankton	xr754o	19.7	Douglas Street	15th Street West	8th Street West	PCC	1995	Rout & seal cracks and joints	\$29,988
Yankton	xr754o	19.7	Douglas Street	15th Street West	8th Street West	PCC	2000	Repair spalls, patch, and seal cracks and joints	\$51,780
Yankton	xr754o	19.7	Douglas Street	15th Street West	8th Street West	PCC	2005	Repair spalls, patch, and seal cracks and joints	\$51,780
Yankton	xr754o	19.7	Douglas Street	15th Street West	8th Street West	PCC	2010	Repair spalls, patch, replace slabs, and seal cracks & joints	\$137,090
Yankton	xr754o	20.5	Douglas Street	4th Street West	2nd Street West	AC	1995	Patch, rout & seal cracks	\$4,068
Yankton	xr754o	20.5	Douglas Street	4th Street West	2nd Street West	AC	1997	Patch, rout & seal cracks	\$4,068
Yankton	xr754o	20.5	Douglas Street	4th Street West	2nd Street West	AC	1999	Patch, rout & seal cracks, & apply surface treatment	\$18,567
Yankton	xr754o	20.5	Douglas Street	4th Street West	2nd Street West	AC	2004	Patch, rout & seal cracks, & apply surface treatment	\$18,567
Yankton	xr754o	20.5	Douglas Street	4th Street West	2nd Street West	AC	2009	Remove and replace AC layer	\$66,655
Yankton	xr754o	20.5	Douglas Street	4th Street West	2nd Street West	AC	2014	Rout & seal cracks	\$2,295
Yankton	xr756o	19.7	Pine Street	15th Street West	12th Street East	AC	1995	Patch, rout & seal cracks	\$856
Yankton	xr756o	19.7	Pine Street	15th Street West	12th Street East	AC	1997	Patch, rout & seal cracks	\$856
Yankton	xr756o	19.7	Pine Street	15th Street West	12th Street East	AC	1999	Patch, rout & seal cracks	\$856
Yankton	xr756o	19.7	Pine Street	15th Street West	12th Street East	AC	2001	Patch, rout & seal cracks, & apply surface treatment	\$3,907
Yankton	xr756o	19.7	Pine Street	15th Street West	12th Street East	AC	2006	Patch, rout & seal cracks, & apply surface treatment	\$3,907
Yankton	xr756o	19.7	Pine Street	15th Street West	12th Street East	AC	2011	Remove and replace AC layer	\$14,027
Yankton	xr761o	19.2	Burleigh Street	21st Street East	19th Street East	AC	1995	Patch, rout & seal cracks, & overlay	\$25,533
Yankton	xr761o	19.2	Burleigh Street	21st Street East	19th Street East	AC	2000	Rout & seal cracks	\$1,394
Yankton	xr761o	19.2	Burleigh Street	21st Street East	19th Street East	AC	2002	Rout & seal cracks	\$1,394
Yankton	xr761o	19.2	Burleigh Street	21st Street East	19th Street East	AC	2004	Patch, rout & seal cracks	\$2,471
Yankton	xr761o	19.2	Burleigh Street	21st Street East	19th Street East	AC	2006	Patch, rout & seal cracks	\$2,471
Yankton	xr761o	19.2	Burleigh Street	21st Street East	19th Street East	AC	2008	Patch, rout & seal cracks	\$2,471
Yankton	xr761o	19.2	Burleigh Street	21st Street East	19th Street East	AC	2010	Patch, rout & seal cracks, & apply surface treatment	\$11,277
Yankton	xr761o	20.3	Burleigh Street	8th Street East	7th Street East	AC	1995	Patch, rout & seal cracks	\$988
Yankton	xr761o	20.3	Burleigh Street	8th Street East	7th Street East	AC	1997	Patch, rout & seal cracks, & apply surface treatment	\$4,510
Yankton	xr761o	20.3	Burleigh Street	8th Street East	7th Street East	AC	2002	Patch, rout & seal cracks, & apply surface treatment	\$4,510
Yankton	xr761o	20.3	Burleigh Street	8th Street East	7th Street East	AC	2007	Remove and replace AC layer	\$16,195
Yankton	xr761o	20.3	Burleigh Street	8th Street East	7th Street East	AC	2012	Rout & seal cracks	\$557
Yankton	xr761o	20.3	Burleigh Street	8th Street East	7th Street East	AC	2014	Rout & seal cracks	\$557
Yankton	xr761o	20.4	Burleigh Street	7th Street East	6th Street East	AC	1995	Patch, rout & seal cracks	\$889
Yankton	xr761o	20.4	Burleigh Street	7th Street East	6th Street East	AC	1997	Patch, rout & seal cracks, & apply surface treatment	\$4,057
Yankton	xr761o	20.4	Burleigh Street	7th Street East	6th Street East	AC	2002	Patch, rout & seal cracks, & apply surface treatment	\$4,057
Yankton	xr761o	20.4	Burleigh Street	7th Street East	6th Street East	AC	2007	Remove and replace AC layer	\$14,569
Yankton	xr761o	20.4	Burleigh Street	7th Street East	6th Street East	AC	2012	Rout & seal cracks	\$502
Yankton	xr761o	20.4	Burleigh Street	7th Street East	6th Street East	AC	2014	Rout & seal cracks	\$502

