APPENDIX B SURVEY INSTRUMENT

SPR-3400 INDOT INSPECTION PRIORITIES
Does your DOT/District have a program/procedure to determine the number of inspectors for construction activities?
Do you calculate on-site materials inspection staff separately?
Do you staff federal funded projects differently than state funded projects?
How do you staff construction inspection? With 100% in-house employee staffing With 100% consultant staffing Some projects with in-house employees others with consultants? Mixed staffing (use of in-house employees and consultants on a project) Other Have you reduced/maintained/increased your CI staffing levels in the past 5 years? If staffing levels have changed, has it been proportional to your construction program? Do you have an inspection protocol to prioritize areas of inspection? How would you characterize your approach to quality control/quality assurance Provide maximum observation of all construction activities Provide full observation of certain types of activities and provide regular observation of other activities
Require contractor certification with a QC program and provide random observation as QA Provide full observation of certain types of activities and observe other activities as available Other (describe)
How would you characterize the efficiency of your current inspection practices? a) Highly efficient b) Efficient c) Medium (neither efficient nor inefficient) d) Inefficient e) Highly inefficient

How do you inspect	the following activities		Full supervision	Regular supervision (high priority)	Occasional supervision (low priority)	Random inspection	Inspection of finished product only	No Inspection	Other
Traffic control-	—set up								
Clearing site									
Stripping									
Clearing site—	bridge								
Installing soil e	erosion/sediment control items	-							
Excavation									
Blasting									
Handling/remov	val of regulated waste								
Aggregate base	courses								
Embankment									
Milling									
Asphalt paving									
Concrete pavin	g								
Concrete forms	(structures)								
Reinforcement	steel in structures								
Placement of co	oncrete in structures								
Structure rehab	ilitation (repairs to concrete de	eck)							
Drilled shafts									
Driven piles									
Sheet piles									
Cofferdams									
Beam erection									
Bolting structur	ral connections								
Post-tensioning	g (pre-stressed structures)								
Painting steel									
Guardrail/cable	rail								
Barrier curb									
Sidewalk									
Drainage									
Traffic stripes/t	traffic markings								
Fence									
Electrical cond	uit and wiring								
ITS—fiber opti	ic conduit and cable								
	ng (foundations and poles)			L					

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	Traffic signals (foundations and poles)							
	Overhead sign structures							_
_	Landscape plantings							-
	Pipe placement							
	Seal coating							
	Sound wall post placement							4
	Sound wall panel placement							
	Placement of lighting features							
	Sub-grade treatment							_
	Retaining walls				_	<u> </u>	<u> </u>	
	do you characterize your current level of inspection ets towards the following activities?	Can be reduced without any subsequent risks	Can be reduced with low level of subsequent risks	Cannot be reduced				
	Traffic control—set up							
	Clearing site							
	Stripping							
	Clearing site—bridge							
	Installing soil erosion/sediment control items							
	Excavation							
	Excavation Blasting							
	Blasting							
_	Blasting Handling/removal of regulated waste							
	Blasting Handling/removal of regulated waste Aggregate base courses							
	Blasting Handling/removal of regulated waste Aggregate base courses Embankment							
	Blasting Handling/removal of regulated waste Aggregate base courses Embankment Milling							
	Blasting Handling/removal of regulated waste Aggregate base courses Embankment Milling Asphalt paving							
	Blasting Handling/removal of regulated waste Aggregate base courses Embankment Milling Asphalt paving Concrete paving							

Driven piles Sheet piles Cofferdams Beam erection Bolting structural connections Post-tensioning (pre-stressed structures) Painting steel Guardrail/cable rail Barrier curb Sidewalk Drainage Traffic stripes/traffic markings Fence Electrical conduit and wiring ITS—fiber optic conduit and cable Highway lighting (foundations and poles) Traffic signals (foundations and poles) Overhead sign structures Landscape plantings Pipe placement Seal coating Sound wall post placement Placement of lighting features Sub-grade treatment	Structure rehabilitation (repairs to concrete deck) Drilled shafts		
eet piles fferdams am erection liting structural connections st-tensioning (pre-stressed structures) inting steel iardrail/cable rail rrier curb dewalk ainage affic stripes/traffic markings nee extrical conduit and wiring S—fiber optic conduit and cable ghway lighting (foundations and poles) affic signals (foundations and poles) rerhead sign structures ndscape plantings be placement al coating und wall post placement und wall panel placement accement of lighting features be-grade treatment			
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Placement of lighting features Sub-grade treatment			
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What would be the probabilities of the potential consequences of missed/reduced inspection? (1=Very Unlikely, 5= Most Likely)	Short-term Functional Failure	Long-term Consequences Functional Failure	Increased User Costs	Decreased Deign Life	Increased Maintenance Cost	Decreased Safety
Traffic control—set up						
Clearing site						
Stripping						i
Clearing site—bridge						
Installing soil erosion/sediment control items						
Excavation						
Blasting						
Handling/removal of regulated waste						
Aggregate base courses						
Embankment						
Milling						
Asphalt paving						
Concrete paving						
Concrete forms (structures)						
Reinforcement steel in structures						
Placement of concrete in structures						
Structure rehabilitation (repairs to concrete deck)						
Drilled shafts						
Driven piles						
Sheet piles						
Cofferdams						
Beam erection						
Bolting structural connections						
Post-tensioning (pre-stressed structures)						
Painting steel						
Guardrail/cable rail						
Barrier curb						
Sidewalk						
Drainage						
Traffic stripes/traffic markings						
Fence						

	Electrical conduit and wiring			
	ITS—fiber optic conduit and cable			
	Highway lighting (foundations and poles)			
	Traffic signals (foundations and poles)			
	Overhead sign structures			
	Landscape plantings			
	Pipe placement			
	Seal coating			
	Sound wall post placement			
	Sound wall panel placement			
	Placement of lighting features			
	Sub-grade treatment			
	Retaining walls			
	ilitating reduction of the required inspection level?			
(1= V a) Co	ery Ineffective, 5=Very Effective) entractor experience ecuracy of design			
(1= V a) Co b) Ac	ery Ineffective, 5=Very Effective) antractor experience			
(1= V a) Co b) Ac c) Wa	ery Ineffective, 5=Very Effective) entractor experience ecuracy of design			
(1= V a) Co b) Ac c) Wa d) QA	ery Ineffective, 5=Very Effective) entractor experience ecuracy of design erranties			
(1= V a) Co b) Ac c) Wa d) QA	ery Ineffective, 5=Very Effective) entractor experience ecuracy of design erranties A/QC programs			
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(1= V a) Co b) Ac c) Wa d) QA e) Oth	ery Ineffective, 5=Very Effective) entractor experience ecuracy of design erranties A/QC programs			
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(1= V a) Co b) Ac c) Wa d) QA e) Oth	ery Ineffective, 5=Very Effective) entractor experience eccuracy of design arranties A/QC programs her (please explain) act information DOT/District/Company Name			
(1= V a) Co b) Ac c) Wa d) QA e) Oth	ery Ineffective, 5=Very Effective) Intractor experience Intractor experi			