

EXHIBIT I  
SCOPE OF SERVICES  
Job J1I3020B, J1I3099B, J1P3023B, J1S3181  
Various Routes,  
Andrew/Holt/Clinton/Daviess/Sullivan Counties

The consultant shall provide qualified personnel to assist the commission with construction inspection, materials testing and administration of the bridge painting projects J1I3020B, J1I3099B, J1P3023B and J1S3181. These projects include the removal and disposal of the existing lead-based paint located on various structures as listed in the Job Special Provisions.

The work is governed by Job Special Provisions, General Special Provisions, the Missouri Standard Specifications for Highway Construction – 2020, and the Missouri Standard Plans for Highway Construction – 2020, including their revisions. Inspectors shall perform duties to comply with the above documents as well as MoDOT's Engineering Policy Guide, the Manual on Uniform Traffic Control Devices and other related contract materials. During the performance of these services, the Consultant shall comply with applicable federal, state and local laws, rules, regulations and ordinances of the U.S. Environmental Protection Agency (EPA), the Occupational Safety and Health Administration (OSHA), the Missouri Department of Natural Resources (MDNR), and other regulatory authorities with jurisdiction over the project.

Consultant services shall be in accordance with the standard practices of the Commission as conveyed to the Consultant by the Commission:

Surface Preparation and Repainting Steel on Bridges

1. The Consultant shall provide a full-time staff to assist the Commission throughout the surface preparation and repainting phase of the projects. An inspector shall be present on site whenever work is being performed by the Contractor, except during periods of extended delay or stoppage unless otherwise directed by the Engineer. The Consultant shall maintain continuity of personnel on the inspection staff to minimize disruption of the Consultant's services. The Consultant shall determine the inspection staff necessary to perform the services, ensure that all inspectors are fully qualified to perform the services and provide the Engineer with complete documentation of the time spent by each inspector performing the services. The consultant inspectors shall perform the following:
  - (A) Provide a Daily Inspection Report (DIR) and a Section 712 Structural Steel Painting Checklist (<https://www.modot.org/media/13478>) to the Engineer, on a daily basis, to record the work being performed and documentation of specific activities. The consultant shall maintain a file of all reports, correspondence and other pertinent records.
  - (B) Provide a completed Bridge Blasting & Painting Inspection Checklist to the Engineer at the commencement of painting activities, during painting activities and at the completion of the painting activities (minimum 3) for each structure under this contract.

- (C) Monitor and document the Contractor's work performance, progress and compliance with the contract requirements for surface preparation and repainting of structural steel on the bridges. The Consultant shall provide testing equipment. Documentation shall be in a format acceptable to the Engineer and include:
1. Any pre-surface preparation necessary
  2. Measures taken to protect persons and property from damage from cleaning and/or painting operations
  3. Condition of cleaning and painting equipment
  4. Manufacturer, type and batch number (s) of paint used
  5. Condition of surfaces immediately prior to paint application
  6. Ambient conditions during painting operations, including air and surface temperatures, relative humidity and dew point
  7. Wet and dry film thickness
  8. Description of any rework performed to correct deficiencies
- (D) Monitor and document the Contractor's compliance with applicable federal, state, and local regulations on hazardous waste removal and storage.
- (E) Enforce contract requirements and specifications with the Contractor's personnel. When the inspector determines the Contractor's work has deviated from the contract requirements or other applicable regulations for hazardous waste removal and storage or surface preparation and repainting of the structural steel, the Consultant shall direct the Contractor to take corrective action and, if differences in interpretation of the contract requirements and/or specifications arise with the Contractor, refer the matter to the Engineer immediately.
- (F) On a daily basis, measure and document quantities of blast media/paint/hazardous waste removal and steel repainted by the Contractor. Information to be provided to the Engineer on the DIR.
- (G) Liaison with the Contractor as needed to discuss matters such as scheduling, contract requirements and work procedures.
- (H) Coordinate and attend meetings as needed between the Engineer and the Contractor. The Consultant shall have a representative at a pre-activity meeting prior to work begins on each structure.
- (I) Provide appropriate Personal Protective Equipment (PPE) for Consultant staff to be worn at all times while working within the Commission Right of Way in accordance with Missouri Standard Specification 107.4.1. Provide appropriate PPE and equipment for blasting and paint inspection including, but not limited to, masks, coverall suits, safety harnesses and inspection tools.
- (J) Provide and maintain communication devices to keep in contact with Contractor and Engineer. Provide and maintain all necessary computer equipment necessary for completion of the work. Consultant staff must have active email address for correspondence with Engineer. Provide and maintain vehicle for Consultant staff equipped with yellow warning lights meeting MoDOT specifications.

- (K) The Consultant staff will abide by all MoDOT policies while performing services under this agreement, including but not limited to; seatbelt use, zero cell phone use while operating a vehicle, compliance with all MoDOT safety policy relative to the use of PPE.
- (L) Consultant inspection staff shall be licensed with the Missouri DHSS as a “Lead Inspector” and shall be licensed as a SSPC Bridge Coating Inspector or hold NACE Level II or higher certification.
- (M) Consultant inspection staff shall be Advanced Work Zone certified and demonstrate good knowledge of proper traffic control implementation and flagger operations.

EHIBIT II  
SERVICES PROVIDED BY THE COMMISSION

1. The Commission will supply all necessary sets of plans, special provisions, contract documents, DIR forms and checklists as deemed necessary.
2. Resolve and decide all differences in interpretation of the contract requirements between the Consultant's Inspectors and the Contractor.
3. Monitor, document and determine Contractor Compliance with all contract requirements other than hazardous waste removal and storage and surface preparation and repainting of the structural steel.
4. Issue all "Order Records", "Change Orders", "Pay Estimates" and other contract-related correspondence to the Contractor.
5. Suspend the Contractor's work, if deemed necessary.
6. Review and approve all Contractors' submittals.
7. Liaison with adjacent landowners, private parties, elected officials and businesses interested in the project.
8. Liaison with all government entities for agreements, permits, etc. needed to accommodate the project.
9. Liaison with all utility companies for agreements, permits, adjustments, etc. needed to accommodate the project.

# DAILY INSPECTION REPORT

Date: \_\_\_\_\_

Contract ID: \_\_\_\_\_

Temperature

High \_\_\_\_\_

Low \_\_\_\_\_

Weather Conditions: \_\_\_\_\_

Rainfall Total: \_\_\_\_\_

Description of work & inspection: (use additional sheet if necessary)

Contractor/Subcontractor

Active

Contractor/Subcontractor

Active

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QC Inspector: \_\_\_\_\_

Signature: \_\_\_\_\_

(Report Installed Quantities and Tests on Page 2)



# 712 STRUCTURAL STEEL PAINTING CHECKLIST

Date:

Contractor:	Contract:
Route:	Project:

Item and Location:

<i>MATERIALS</i>				
No.	Items	Yes	No	N/A
1	Accepted by inspection, sampling and/or documentation			
2	Verify approved documentation , labeling ,and packaging. Paints are stored and handle appropriately			
<b>- HOLD POINT</b>				

<i>INITIAL CONDITION</i>				
No.	Items	Yes	No	N/A
10	Is adequate containment being used to prevent accidental over-spray from occurring and to properly contain blast media and contaminated residue			
11	Correct damaged shop primer and field connections			
12	Spot check primer mill thickness and recoat as necessary			
13	Adequate coating access: Remove obstructions, temp. materials, equipment			
<b>- HOLD POINT</b>				

<i>PREVIOUS WORK ACCEPTANCE</i>				
No.	Items	Yes	No	N/A
20	Structure released for subcontractor painting			
21	All structural steel is in the final position and condition prior to application			
<b>- HOLD POINT</b>				

<i>SURFACE PREPARATION</i>				
No.	Items	Yes	No	N/A
30	Surface sufficiently cleaned for coating application			
31	All dirt, oil, grease, rust removed for proper adhesion			
32	Use appropriate surface cleaning procedure per SSPC			
33	Profile checked if applicable and within acceptable range			
<b>- HOLD POINT</b>				

<i>EQUIPMENT</i>				
No.	Items	Yes	No	N/A
40	Appropriate types, condition, and adjustments			
41	Verified proper tips and pressure if using spray equipment, rollers, brushes			
<b>- HOLD POINT</b>				

Comments:

<i>ENVIRONMENTAL</i>				
No.	Items	Yes	No	N/A
50	Weather & moisture conditions are suitable for application			
51	Document ambient conditions at start-up and every two hours thereafter			
52	Application Conditions per applicable product data sheet			
53	Substrate Temperature above the dew point (per MoDOT TM 38)			
54	Dry time per the applicable product table and ambient temperature			
<b>- HOLD POINT</b>				
<i>SPOT PRIME</i>				
No.	Items	Yes	No	N/A
60	Damaged/unprimed steel coated with an epoxy mastic primer			
61	Batch numbers, amount used, and method of application documented			
62	Results of tests documented range 3.0 - 6.0 mils			
<b>- HOLD POINT</b>				
<i>DRY FILM THICKNESS</i>				
No.	Items	Yes	No	N/A
70	Verified dry film thickness conforms to specification			
71	Results of tests documented range 3.0 - 5.0 mils			
<b>- HOLD POINT</b>				
<i>EXPANSION DEVICES</i>				
No.	Items	Yes	No	N/A
80	Steel located within 1.5 times the girder depth, but not less than 10 feet from the center line of joint finish coated			
81	Finish coat masked to provide crisp, straight lines			
<b>- HOLD POINT</b>				
<i>IDENTIFICATION</i>				
No.	Items	Yes	No	N/A
90	Structure information stenciled on end of exterior girders			
91	Bridge number, system used, month and year included			
<b>- HOLD POINT</b>				
<i>UNIFORM COATING</i>				
No.	Items	Yes	No	N/A
90	No Deficient areas requiring spot coating			
91	Dry Film Thickness test performed and satisfactory.			
<b>- HOLD POINT</b>				
<i>FINAL ACCEPTANCE</i>				
No.	Items	Yes	No	N/A
100	Coatings applied with an uniform, aesthetically pleasing appearance in conformance with project requirements			
<b>- HOLD POINT</b>				
Comments:				
QC Inspector Print Name:				
Company:		QC Inspector Signature:		



MISSOURI DEPARTMENT OF TRANSPORTATION  
 ENVIRONMENTAL DEPARTMENT  
**BRIDGE BLASTING & PAINTING INSPECTION CHECKLIST**

INSPECTION PURPOSE: CHECK FOR ENVIRONMENTAL COMPLIANCE FOR PAINTING AND BLASTING OPERATIONS					
NAME OF INSPECTOR		PHONE NUMBER	BRIDGE NUMBER	SQUARE FOOTAGE OF TOTAL PAINT PROJECT	
BRIDGE LOCATION (HWY # OR GPS COORDINATES)		RE OFFICE JURISDICTION	RE NAME	PHONE NUMBER OF RE	
BRIDGE LOCATIONS NEAREST TOWN OR CITY		BRIDGE LOCATION COUNTY	HWY NUMBER	PROJECT NUMBER	WATERWAY (IF APPLICABLE)
REPEAT INSPECTION Y OR N <input type="checkbox"/> Yes <input type="checkbox"/> No	DISTRICT LOCATION OF BRIDGE <input type="checkbox"/> NW <input type="checkbox"/> NE <input type="checkbox"/> KC <input type="checkbox"/> CD <input type="checkbox"/> STL <input type="checkbox"/> SW <input type="checkbox"/> SE			DATE & TIME OF INSPECTION	Outside Temp
PRIMARY PAINT CONTRACTOR BUSINESS NAME			PRIMARY PAINT CONTRACTOR BUSINESS PHONE		
PRIMARY PAINT CONTRACTOR PROJECT LEADER NAME			PRIMARY PAINT CONTRACTOR PROJECT LEADER CELL PHONE NUMBER		
BLAST MEDIA IN USE AND SDS AVAILABLE ONSITE FOR REVIEW <input type="checkbox"/> Yes <input type="checkbox"/> No	RECYCLER IN USE <input type="checkbox"/> Yes <input type="checkbox"/> No	SOLVENT UTILIZED <input type="checkbox"/> Yes <input type="checkbox"/> No	SOLVENT RR <input type="checkbox"/> Yes <input type="checkbox"/> No	CONTAINMENT IN USE <input type="checkbox"/> Yes <input type="checkbox"/> No	

A. Inspection Questions			Corrective Action	
	C	V	NA	
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Generator has registered as a hazardous waste generator and paid fees. – Section 260.380.1(1) RSMo and 10 CSR 25.5.262(2)(A). ONLY IF GENERATING MORE THAN 220 lb./Month
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Generator determines if waste is hazardous pursuant to methods referenced in 40 CFR 262.11. – 10 CSR 25-5.262(1) incorporating 40 CFR 262.11.
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Facility uses a licensed hazardous waste transporter. – Section 260.380.1(5) RSMo.
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Facility uses an authorized hazardous waste treatment, storage or disposal facility or resource recovery facility. – Section 260.380.1(7) RSMo.
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle the type of blast media in process at the operation: Steel beads, Silica Sand, Other
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Blast media is being appropriately contained in drums.
7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Blast media labels in place and drums shipped to Doe Run
8.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	An adequate blast media containment system in place
9.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No blast media observed on the ground or falling into waterway
10.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Obtain SDS for blast media and attach to inspection
11.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Waste solvent drums in good conditioned and labeled as Hazardous Waste.

Comments:

Contact your Environmental Specialist with any questions concerning this checklist

C (Compliant) V (Violation) NA (Not Applicable)



**DESCRIPTION AND PHOTOS OF PAINTING, BLASTING, and CONTAINMENT OPERATION**

<b>Photos</b>	
<p><b>IMAGE 1</b></p>	<p><b>IMAGE 2</b></p>
<p><b>IMAGE 3</b></p>	<p><b>IMAGE 4</b></p>