

Staging Areas

There are no specific areas given in the plans for the Contractor to use as a staging area(s). If the Contractor wants to use an area(s) for staging, regardless if it falls within the project limits or not, the Contractor is to use the Right of Way E-Permitting System at <https://odhcp.bemcorp.net/Accounts/Account/Account> in order to apply for a permit per Section 107.02 of the CMS. For specific permitting questions, the Contractor can contact the District Permitting Office, (Melvin Safford) at 216-584-2137, (Andrew Tomko) at 216-584-2195 or at District12Permits@dot.ohio.gov.

If a permit is granted, all conditions of the permit shall be met in addition to the requirements of 104.04 of the CMS, at no additional cost to the State. If the Project Engineer deems that all the conditions of the permit were not met, then 10% of the Contract bid amount for mobilization shall be withheld until all the conditions of the permit are satisfied.

Item 201 – Clearing and Grubbing, As Per Plan

Although there are no trees or stumps specifically marked for removal within the limits of the project, a lump sum quantity is included in the general summary for Item 201, Clearing and Grubbing, As Per Plan. All provisions as set forth in the specifications under this item are included in the lump sum price bid for Item 201, Clearing and Grubbing, As Per Plan. This item includes trimming back of all tree branches and brush that are within 10'-0" of any location to have a painted or sealed surface. No complete tree removals are permitted, and no tree removals are required for construction access.

Item 513 – Structural Steel Members, Level UF, As Per Plan

This item consists of furnishing and installing structural steel plate, angle, channel, and other rolled shapes as required for miscellaneous structural steel repairs as directed by the Engineer.

After blasting and surface preparation operations to remove existing paint and loose rust are complete, the Engineer will inspect the structural steel for deficiencies such as section loss, holes, broken or detached welds, and loose or missing bolts. If the Engineer identifies deficiencies that require repair, the Engineer will provide the proposed method of repair to the Contractor and direct the Contractor to order materials. Repairs to structural steel may include but not be limited to the welding and/or bolting of steel plate to existing beam or girder flanges, webs, and/or stiffeners; the partial or complete replacement of existing stiffener plates in-kind; the partial or complete replacement of existing crossframe members and/or gusset plates in-kind; and the replacement of loose or missing bolts. Perform structural steel repairs in accordance with C&MS 513, except shop drawings per CMS 513.06 will not be required.

The Contractor's approved schedule shall include a time allowance for the Engineer's inspection and the possibility of structural steel repairs being required after completion of the blasting and surface preparation. Subject to the approval of the Engineer, prime coat application may proceed concurrent with steel repairs. However, all structural steel repairs directed by the Engineer within a given phase of the bridge painting work shall be completed with the prime coat applied prior to beginning application of the intermediate and finish coats in that phase.

The Department will measure this item on a per pound basis, based on the actual weight of structural steel plate, angle, channel, or other rolled shapes furnished and installed. Payment will be made at the unit price bid for Item 513 – Structural Steel Members, Level UF, As Per Plan, which shall include all labor, materials, equipment, and incidentals necessary to complete the work. The Estimated Quantities table for each bridge includes a contingency quantity of this item for use as directed by the Engineer.

Item 514 – Field Painting

The contractor shall not overspray onto the concrete deck or concrete substructure components (back walls, abutments, and piers). Painting shall be confined to the structural steel components, utility supports, and the drainage scuppers including downspouts.

Utility conduits shall not be painted and shall be protected from sandblasting. Steel utility supports and drainage scuppers shall be painted.

Structures 1 through 3 included in the painting shall have a two-color scheme for this structural steel. The finish coat color for structures 1 through 3 shall be federal color number FC#595B-14516 (Light Green) with an exception to the fascia. The fascia color shall be federal color number FC#595B-14066 (Dark Green) and shall be painted in accordance with the "fascia paint detail." The finish coat color for structure 4 shall be federal color number FC#595b-16440 (Grey Gloss). The contractor shall provide sample color chips to the engineer for approval prior to commencing work.

Item 619 – Field Office, Type C, As Per Plan

In addition to the requirements of CMS 619, the Contractor shall furnish and set up a Wi-Fi router meeting the requirements of IEEE 802.11ac and provide internet service with a minimum download speed of 1 GBS for the exclusive use of the Department.

All other field office items supplied shall meet the requirements of a Type C, Field Office.

Item 619 – Field Office, Type C, As Per Plan **12 Months**

Item 623 - Construction Layout Stakes, As Per Plan

In addition to the requirements of the CMS, this item of work will include the following additional requirements.

An Ohio Professional Surveyor shall determine the minimum vertical clearances of all existing and new bridges within the project limits. At a minimum, measurements shall be taken along each fascia beam at the edge of shoulders, edge lines, lane lines, and crown of the roadway below. The ODOT District 12 Vertical Clearance Survey Form shall be used, where applicable, to document the measurements. Where the ODOT District 12 Vertical Clearance Survey Form is not applicable, the measurements shall be documented on a contractor-developed form that closely resembles the ODOT District 12 Vertical Clearance Survey Form and accurately depicts the bridge and the lane and shoulder configuration of the roadway that passes below the bridge. The completed form shall bear the stamp or seal of the Ohio Professional Surveyor who has taken the measurements and shall be submitted to the project engineer prior to final acceptance of the project.

The ODOT District 12 Vertical Clearance Survey Form can be downloaded from the following FTP site:

<ftp://ftp.dot.state.oh.us/pub/Contracts/Attach/CUY-110502>

Payment for all of the above work shall at the unit price bid for Item 623 – Construction Layout Stakes, As Per Plan, which shall include all labor, equipment, materials, and incidentals necessary to complete the above work.

Item 630-Signing, Misc.: Overpass Name Installation

This item shall apply to the following structures:

- Location 1; CUY-77-0.38; W Snowville Rd Over IR-77; SFN 1805649
- Location 2; CUY-77-2.24; Oakes Rd Over IR-77; SFN 1805762
- Location 3; CUY-77-4.26; Lacey Ln Over IR-77; SFN 1805940
- Location 4; CUY-77-8.81E; Ramp F-7 Over Ramp SW (Rockside Rd to IR-77N); SFN 1806297

The contractor is required to install overhead street name designation signs on the fascia beams after painting and approval of painting is completed.

Install signs, as directed by the Engineer, where they are most visible to the travelling public but not over travelled lanes. Signs may be installed over berms but may not be cut for installation.

The sign decals will be provided by the District. The sign decal may be picked up at the District Office from the District Traffic Engineer, Keith Hamilton, at 216-584-2200. The District Traffic Engineer requires 45 days advance notification for coordination of acquisition of the sign decals.

All labor and equipment required to perform the above-described work shall be included for payment as Item 630-Signing, Misc.: Overpass Name Installation.

Item 832 – Erosion Control


Although no specific erosion control measures or project site plans have been included in these plans, the following quantity is included in the general summary for use as directed by the engineer.

Item 832 - Erosion Control..... **4,000 Each**



SHEET NUM.											PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
5	8	9	17	19	21	23	01/IMS/47	EXT	TOTAL								
ROADWAY																	
LS							LS	201	11001	LS					CLEARING AND GRUBBING, AS PER PLAN	5	
EROSION CONTROL																	
4,000							4,000	832	30000	4,000	EACH			EROSION CONTROL			
STRUCTURE OVER 20 FOOT SPAN (CUY-77-0.38; SFN 1805649) - LOCATION 1																	
			500				500	513	10201	500	LB			STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN	5		
			15,000				15,000	514	00050	15,000	SF			SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL			
			15,000				15,000	514	00056	15,000	SF			FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT			
			15,000				15,000	514	00060	15,000	SF			FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT			
			15,000				15,000	514	00066	15,000	SF			FIELD PAINTING STRUCTURAL STEEL, FINISH COAT			
			24				24	514	00504	24	MNHR			GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL			
			14				14	514	10000	14	EACH			FINAL INSPECTION REPAIR			
			2				2	630	97700	2	EACH			SIGNING, MISC.: OVERPASS NAME INSTALLATION	5		
STRUCTURE OVER 20 FOOT SPAN (CUY-77-2.24; SFN 1805762) - LOCATION 2																	
				500			500	513	10201	500	LB			STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN	5		
				15,500			15,500	514	00050	15,500	SF			SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL			
				15,500			15,500	514	00056	15,500	SF			FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT			
				15,500			15,500	514	00060	15,500	SF			FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT			
				15,500			15,500	514	00066	15,500	SF			FIELD PAINTING STRUCTURAL STEEL, FINISH COAT			
				24			24	514	00504	24	MNHR			GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL			
				14			14	514	10000	14	EACH			FINAL INSPECTION REPAIR			
				2			2	630	97700	2	EACH			SIGNING, MISC.: OVERPASS NAME INSTALLATION	5		
STRUCTURE OVER 20 FOOT SPAN (CUY-77-4.26; SFN 1805940) - LOCATION 3																	
					500		500	513	10201	500	LB			STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN	5		
					14,700		14,700	514	00050	14,700	SF			SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL			
					14,700		14,700	514	00056	14,700	SF			FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT			
					14,700		14,700	514	00060	14,700	SF			FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT			
					14,700		14,700	514	00066	14,700	SF			FIELD PAINTING STRUCTURAL STEEL, FINISH COAT			
					24		24	514	00504	24	MNHR			GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL			
					14		14	514	10000	14	EACH			FINAL INSPECTION REPAIR			
					2		2	630	97700	2	EACH			SIGNING, MISC.: OVERPASS NAME INSTALLATION	5		
STRUCTURE OVER 20 FOOT SPAN (CUY-77-8.81E; SFN 1806297) - LOCATION 4																	
						500	500	513	10201	500	LB			STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN	5		
						21,000	21,000	514	00050	21,000	SF			SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL			
						21,000	21,000	514	00056	21,000	SF			FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT			
						21,000	21,000	514	00060	21,000	SF			FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT			
						21,000	21,000	514	00066	21,000	SF			FIELD PAINTING STRUCTURAL STEEL, FINISH COAT			
						20	20	514	00504	20	MNHR			GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL			
						12	12	514	10000	12	EACH			FINAL INSPECTION REPAIR			
						2	2	630	97700	2	EACH			SIGNING, MISC.: OVERPASS NAME INSTALLATION	5		
MAINTENANCE OF TRAFFIC																	
	400						400	614	11110	400	HOUR			LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE			
	LS	4					4	614	12390	4	EACH			WORK ZONE IMPACT ATTENUATOR, OVER 24" AND LESS THAN 36" WIDE HAZARDS, (UNIDIRECTIONAL)			
	12						12	614	18601	12	SNMT			PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	8		
		400					400	622	41100	400	FT			PORTABLE BARRIER, UNANCHORED			
INCIDENTALS																	
12							LS	614	11000	LS				MAINTAINING TRAFFIC	5		
							12	619	16021	12	MNTH			FIELD OFFICE, TYPE C, AS PER PLAN			
							LS	623	10001	LS				CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN	5		
							LS	624	10000	LS				MOBILIZATION			

GENERAL SUMMARY

DESIGN AGENCY	
DESIGNER	KHD
REVIEWER	
PAT	04-15-24
PROJECT ID	110502
SHEET	TOTAL
P.16	24