



ITEM SPECIAL - CONSULTANT FOR CONCRETE QUALITY CONTROL INCLUDING TESTING AND INSPECTION

ALL CONCRETE SHALL BE TESTED. ALL TESTING, INSPECTION AND QUALITY CONTROL FOR CONCRETE, NOT INCLUDED UNDER QC/QA PAY ITEMS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE A CONCRETE TESTING CONSULTANT WITH PREVIOUS EXPERIENCE AND FAMILIARITY IN ODOT PROCEDURES, CONCRETE TESTING REQUIREMENTS AND CONCRETE TESTING DOCUMENTATION. AT LEAST 30 DAYS PRIOR TO CONCRETE PLACEMENT, SUBMIT TO THE ENGINEER FOR APPROVAL, THE PROPOSED CONCRETE TESTING CONSULTANT ALONG WITH THE RESUMES OF THE PROPOSED TESTING PERSONNEL.

TESTING CONCRETE FOR STRUCTURES AND PORTLAND CEMENT CONCRETE PAVEMENT SHALL BE PERFORMED AS OUTLINED IN CMS SPECIFICATIONS 455 RESPECTIVELY.

THROUGH THE CONTRACTOR, THE CONSULTANT SHALL BE RESPONSIBLE FOR ENSURING THAT ALL CONCRETE PLACED IS IN ACCORDANCE WITH THE SPECIFICATIONS. SUCH WORK SHALL BE IN ACCORDANCE WITH THE APPLICABLE CONSTRUCTION AND MATERIAL SPECIFICATIONS AND THE ODOT CONSTRUCTION INSPECTION MANUAL OF PROCEDURES FOR CONCRETE. THE CONCRETE CONSULTANT SHALL PROVIDE THE NECESSARY TRAINED TECHNICIAN(S), ALL EQUIPMENT, AND SHALL FURNISH THE PROJECT ENGINEER WITH TWO (2) COPIES OF ALL TEST RESULTS WITHIN 24 HOURS AFTER COMPLETION OF CONCRETE PLACEMENT.

THE TECHNICIAN SHALL BE ACI LEVEL 1 CERTIFIED AND WILL BE REQUIRED TO DEMONSTRATE HIS/HER COMPETENCE AND EXPERIENCE LEVELS TO THE ENGINEER PRIOR TO BEGINNING WORK. THE ENGINEER WILL ORDER THE CONTRACTOR TO REPLACE ANY TECHNICIAN THAT IS NOT VERSED IN THE REQUIRED TESTING PROCEDURE.

THE TECHNICIAN SHALL VERBALLY NOTIFY THE ODOT PROJECT ENGINEER OF ANY FAILING TEST AND SHALL SUBMIT FOLLOW-UP WRITTEN NOTIFICATION TO THE PROJECT ENGINEER OF REMEDIAL ACTION(S) TAKEN. TESTS SHALL BE TAKEN AS SPECIFIED WITHIN THE CONSTRUCTION AND MATERIAL SPECIFICATIONS, CONCRETE MANUAL OR APPROPRIATE SUPPLEMENTAL SPECIFICATION AS LISTED IN THE PROPOSAL GOVERNING THE PROJECT. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO MAKE IMMEDIATE CORRECTIONS OR ADJUSTMENTS TO THE CONCRETE MIX VIA DIRECT COMMUNICATION WITH THE CONCRETE SUPPLIER'S PLANT PERSONNEL TO MAINTAIN UNINTERRUPTED COMPLIANCE WITH THE SPECIFICATIONS UPON NOTIFICATION OF CONCRETE MIX NON-COMPLIANCE BY THE CONSULTANT TECHNICIAN. THE PROJECT ENGINEER MAY REQUIRE MORE FREQUENT TESTING AS CONDITIONS WARRANT.

UPON COMPLETION OF DAILY CONCRETE PLACEMENT(S), THE CONCRETE CONSULTANT SHALL PROVIDE THE PROJECT ENGINEER WITH DAILY TEST REPORTS, TE-45'S, INSPECTORS DAILY REPORT AND SUPPORTING DOCUMENTATION FOR EACH ITEM OF CONCRETE WORK PERFORMED SEPARATED BY MIX DESIGN. SUBSEQUENTLY, UPON COMPLETION OF AN ENTIRE CONCRETE SPECIFICATION ITEM, THE CONCRETE CONSULTANT SHALL ALSO PROVIDE THE PROJECT ENGINEER WITH TWO (2) COPIES OF AN ADDITIONAL INSPECTION REPORT BY A REGISTERED PROFESSIONAL ENGINEER, STATE OF OHIO, WHICH CONTAINS THE TESTING-RESULTS SUMMARY FOR EACH ITEM BY CONTRACT REFERENCE NUMBER AND THE CONSULTANT'S CONCLUSIONS RELATIVE TO SPECIFICATION COMPLIANCE FOR ALL CONCRETE-TESTING WORK.

THE ODOT PROJECT ENGINEER RESERVES THE RIGHT TO MAKE UNANNOUNCED QUALITY-CONTROL TESTS TO VERIFY PROCEDURES USED AND RESULTS BEING OBTAINED BY THE CONTRACTOR.

THE CONCRETE TECHNICIAN SHALL WORK UNDER THE DIRECTION OF A REGISTERED PROFESSIONAL ENGINEER, STATE OF OHIO, WHO WILL MONITOR THE CONCRETE TEST RESULTS. THE FINAL INSPECTION REPORTS FOR EACH COMPLETED ITEM SHALL BE SIGNED BY A REGISTERED PROFESSIONAL ENGINEER, STATE OF OHIO, CERTIFYING THAT ALL CONCRETE TESTS PROVIDED BY THE CONTRACTOR MET APPLICABLE CONTRACT REQUIREMENTS. A FINAL REPORT ISSUED BY THE CONSULTING FIRM SHALL CONTAIN A CERTIFIED STATEMENT OF COMPLIANCE WITH ODOT SPECIFICATIONS AND ANY OTHER CONCLUSIONS REGARDING THE CONCRETE MATERIALS INCORPORATED INTO THE PROJECT. SUCH STATEMENT SHALL BE SIGNED BY A REGISTERED PROFESSIONAL ENGINEER, STATE OF OHIO. AND, THE CONCRETE CONSULTANT SHALL BE REQUIRED TO ATTEND MONTHLY PROGRESS MEETINGS AS REQUIRED BY THE PROJECT ENGINEER.

ADDITIONALLY, THE CONTRACTOR SHALL BE REQUIRED TO KEEP A POSTED LIST OF BEAM AND CYLINDER IDENTIFICATION NUMBERS FOR THE PURPOSE OF IDENTIFYING THE CORRESPONDING PLACEMENT LOCATION AND CONCRETE SPECIFICATION ITEM.

PAYMENT SHALL BE BID AS LUMP SUM FOR ITEM SPECIAL MISC.: CONSULTANT FOR CONCRETE QUALITY CONTROL INCLUDING TESTING AND INSPECTION. THE ITEM WILL BE PAID FOR AS FOLLOWS:

- UPON APPROVAL OF CONSULTANT 20%*
- PROGRESSIVE EQUIVALENT PAYMENTS 50%*
- UPON SUBMISSION OF FINAL REPORT 30%.*

THE TECHNICIAN SHALL HAVE THE FULL EFFECT AND AUTHORITY OF AN ODOT PROJECT INSPECTOR IN DETERMINING ACCEPTABILITY OF MATERIAL AND CONCRETE PLACEMENT PRACTICES.

OEPA NOTIFICATION OF DEMOLITION AND RENOVATION

ASBESTOS SURVEYS FOR THE WAR-71-0139, WAR-71-1104, AND WAR-71-1371 STRUCTURES SCHEDULED FOR DEMOLITION WORK WERE CONDUCTED BY A CERTIFIED ASBESTOS HAZARD EVALUATION SPECIALIST. A COPY OF THE ASBESTOS SURVEY REPORTS FOR EACH BRIDGE HAVE BEEN INCLUDED IN THE PLAN PACKAGE FOR THE PROJECT. THE ASBESTOS SURVEY REPORTS DID NOT IDENTIFY THE PRESENCE OF ANY ASBESTOS CONTAINING MATERIALS. (THE REMOVAL AND DISPOSAL OF ANY ASBESTOS CONTAINING MATERIAL MUST COMPLY WITH THE OHIO ADMINISTRATIVE CODE (OAC) REGULATIONS AND THE NATIONAL EMISSION STANDARD FOR HAZARDOUS AIR POLLUTANTS (NESHA) STANDARD FOR ASBESTOS.)

A COPY OF THE OHIO ENVIRONMENTAL PROTECTION AGENCY (OEPA) NOTIFICATION OF DEMOLITION AN RENOVATION FORM, PARTIALLY COMPLETED BY THE ASBESTOS HAZARD EVALUATION SPECIALIST, HAS BEEN INCLUDED AT THE END OF THE ASBESTOS SURVEY REPORTS. THE CONTRACTOR SHALL COMPLETE AND SIGN THE FORMS AND SUBMIT IT TO:

*OHIO EPA, SEDO
2195 FRONT STREET
LOGAN, OHIO 43138
ATTN: KRISTIN PARRISH
(740) 380-5267*

AT LEAST 10 WORKING DAYS PRIOR TO THE START OF ANY DEMOLITION WORK. THE CONTRACTOR SHALL PROVIDE A COPY OF THE COMPLETED AND SIGNED FORMS TO THE ENGINEER. INFORMATION REQUIRED ON THE FORMS SHALL INCLUDE AT A MINIMUM: 1) THE ODOT PROJECT NUMBER, 2) THE CONTRACTOR'S NAME, ADDRESS AND TELEPHONE NUMBER, 3) THE SCHEDULED DATES FOR THE START AND COMPLETION OF BRIDGE DEMOLITIONS.

BASIS FOR PAYMENT: THE CONTRACTOR SHALL FURNISH ALL FEES, LABOR , AND MATERIALS NECESSARY TO COMPLETE AND SUBMIT THE OEPA NOTIFICATION FORMS. PAYMENT FOR THIS WORK SHALL BE INCIDENTAL TO THE ITEM 202 STRUCTURE REMOVAL ITEM(S) IN THE PLAN.

DESIGN AGENCY



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DESIGNER

KRF

REVIEWER

MJC 01/28/22

PROJECT ID

102726

SHEET TOTAL

7 | 108

ITEM 614 - MAINTAINING TRAFFIC

THIS ITEM SHALL CONSIST OF MAINTENANCE OF TRAFFIC ON EXISTING, TEMPORARY AND PROPOSED ROADS IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, CURRENT EDITION, LATEST REVISION, THE SPECIFICATIONS, AND THE FOLLOWS:

1. ON I-71: ALL LANES OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT IN ACCORDANCE WITH THE PERMITTED LANE CLOSURE TIMES NOTE, BY USE OF THE EXISTING PAVEMENT. THE CONTRACTOR SHALL UTILIZE STANDARD CONSTRUCTION DRAWING MT-95.30 TO CLOSE LANES ON I.R. 71 DURING PERMITTED TIMES AS NEEDED TO FACILITATE WORK UNDER THE STRUCTURES.

ON IRWIN SIMPSON ROAD: A MINIMUM OF ONE LANE OF TRAFFIC SHALL BE MAINTAINED AT ALL TIMES USING FLAGGERS, EXCEPT FOR A PERIOD NOT TO EXCEED 60 CONSECUTIVE CALENDAR DAYS, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 9. A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT OF \$ 5,000 PER DAY FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT.

ON STUBBS MILLS ROAD: A MINIMUM OF ONE LANE OF TRAFFIC SHALL BE MAINTAINED AT ALL TIMES USING FLAGGERS, EXCEPT FOR A PERIOD NOT TO EXCEED 60 CONSECUTIVE CALENDAR DAYS, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 10. A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT OF \$ 3,000 PER DAY FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT. THE CLOSURE SHALL NOT OVERLAP WITH THE CLOSURE OF WAYNESVILLE RD.

ON WAYNESVILLE ROAD: A MINIMUM OF ONE LANE OF TRAFFIC SHALL BE MAINTAINED AT ALL TIMES USING FLAGGERS, EXCEPT FOR A PERIOD NOT TO EXCEED 60 CONSECUTIVE CALENDAR DAYS, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 11. A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT OF \$ 1,100 PER DAY FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT. THE CLOSURE SHALL NOT OVERLAP WITH THE CLOSURE OF STUBBS MILLS RD.

2. NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

Table with 2 columns: Holiday/Event and Date. Includes Christmas, New Year's, Memorial Day, Easter, Fourth of July, Labor Day, Thanksgiving, and Total Solar Eclipse (4/8/24).

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

Table with 2 columns: Day of Holiday or Event and Time All Lanes Must Be Open to Traffic. Lists days from Sunday to Saturday with corresponding times.

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$300 FOR EACH MINUTE THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

3. LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

4. NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW. AT THE APPROVAL OF THE ENGINEER, PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE USED IN LIEU OF THE STANDARD FLATSHEET SIGN FOR CLOSURE DURATIONS OF LESS THAN 1 WEEK.

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.

NOTICE OF CLOSURE SIGN TIME TABLE. Table with 3 columns: Item, Duration of Closure, Sign Displayed to Public. Rows for Ramp & Road Closures with durations >=2 weeks, > 12 hours & < 2 weeks, and <= 12 hours.

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THIS IS TO BE A SPECIFIC OFFICE WITHIN THE DISTRICT RATHER THAN THE GENERAL SWITCHBOARD NUMBER.

5. THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN STANDARD 48 X 30 INCH ROAD CLOSED SIGNS, SIGN SUPPORTS, BARRICADES AND LIGHTS, AS DETAILED IN SCD MT-101.60 AT THE FOLLOWING LOCATIONS DURING PERIODS IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC.

SEE PLANS FOR LOCATION OF ROAD CLOSED SIGNS.

6. THE CONTRACTOR SHALL NOT REMOVE EXISTING VANDAL PROTECTION FENCING (VPF) AND BRIDGE RAILING, OR INSTALL PROPOSED VANDAL PROTECTION FENCING (VPF) OVER LIVE TRAFFIC. THE CONTRACTOR SHALL CLOSE THE LANES ON I-71 PER THE NOTES HEREIN TO COMPLETE THE REMOVAL OR INSTALLATION WORK.

7. ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER 5 M. GAL.

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION OF TRAFFIC RESTRICTIONS TIME TABLE. Table with 3 columns: Item, Duration of Closure, Notice Due to Permits & PIO. Rows for Ramp & Road Closures, Lane Closures & Restrictions, and Start of Construction & Traffic Pattern Changes.

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

I-71 SHOULDER CLOSURES. THE CONTRACTOR SHALL UTILIZE STANDARD CONSTRUCTION DRAWING MT-95.45 TO CLOSE THE NORTHBOUND AND SOUTHBOUND SHOULDER TO PERFORM THE FINAL BRIDGE PAINTING. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY TO PROTECT WORKERS AND EQUIPMENT LOCATED WITHIN AND ADJACENT TO THE PAVED SHOULDER AT EACH OF THE STRUCTURES. ITEM 622 - PORTABLE BARRIER, UNANCHORED - 640 FT. ITEM 614 - WORKZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL) - 8 EA.

PERMITTED LANE CLOSURE TIMES

SHORT TERM LANE CLOSURES ARE THOSE WHICH ARE PERMITTED BY THE PERMITTED LANE CLOSURE NOTE. THESE TIMES SHALL NOT BE REVISED WITHOUT PRIOR APPROVAL FROM THE DISTRICT 8 WORK ZONE TRAFFIC CONTROL MANAGER. SHORT TERM LANE CLOSURES SHALL ONLY BE IMPLEMENTED WHEN WORK IS BEING CONTINUOUSLY PERFORMED IN THE LANE. THE CLOSURE SHALL BE REMOVED AS SOON AS POSSIBLE AFTER WORK HAS STOPPED. PERMITTED LANE CLOSURES SHALL ONLY BE ALLOWED DURING THE TIMES SPECIFIED IN THE LANE VALUE CONTRACT TABLE INCLUDED IN THESE PLANS. NO LANE OR SHOULDER CLOSURE SHALL BE IN PLACE WHEN NO WORK IS BEING PERFORMED.

LANE VALUE CONTRACT TABLE. Table with 4 columns: Description of Critical Lane/Ramp to be Maintained, Restricted Time Period, Time Unit, Disincentive \$ per Time Unit. Rows for various lane closures on I-71, Irwin Simpson Rd, and Waynesville Rd.

WAR-71-1.69/11.04/13.71

MODEL: Sheet PAPER: 34x22 (in.) DATE: 4/6/2023 TIME: 3:51:09 PM USER: gantonios
P:\OHDOT_Worksets\102726\400-Engineering\Roadway\Sheets\102726_GG001.dgn

SHEET NUM.								PART.	ALT	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
OFFICE CALCS	6	7	17	24			01/MS/14	(X)		EXT	TOTAL				
	LS						LS		201	11000	LS		CLEARING AND GRUBBING		
101			1,318				101		202	23000	101	SY	PAVEMENT REMOVED		
			6				1,318		202	38000	1,318	FT	GUARDRAIL REMOVED		
			12				6		202	42206	6	EACH	ANCHOR ASSEMBLY REMOVED		
			570				12		202	47000	12	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED		
							570		202	75000	570	FT	FENCE REMOVED		
10				81			91		203	10000	91	CY	EXCAVATION		
4				127			131		203	20000	131	CY	EMBANKMENT		
118							118		204	10000	118	SY	SUBGRADE COMPACTION		
	1						1		204	45000	1	HOUR	PROOF ROLLING		
			437.5				437.5		606	15050	437.5	FT	GUARDRAIL, TYPE MGS		
			262.5				262.5		606	15100	262.5	FT	GUARDRAIL, TYPE MGS WITH LONG POSTS		
			4				4		606	26150	4	EACH	ANCHOR ASSEMBLY, MGS TYPE E, MASH 2016		
			2				2		606	26550	2	EACH	ANCHOR ASSEMBLY, MGS TYPE T		
			12				12		606	35002	12	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1		
			570				570		607	15000	570	FT	FENCE, TYPE 47		
			570				570		607	70000	570	FT	FENCELINE SEEDING AND MULCHING		
			48				48		608	10000	48	SF	4" CONCRETE WALK		
	LS						LS		878	25000	LS		INSPECTION AND COMPACTION TESTING OF UNBOUND MATERIALS		
													EROSION CONTROL		
	1						1		601	21050	1	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT		
			190				190		601	21060	190	SY	TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYMENT		
	2						2		659	00100	2	EACH	SOIL ANALYSIS TEST		
14	72						86		659	00300	86	CY	TOPSOIL		
125	648						773		659	10000	773	SY	SEEDING AND MULCHING		
7	33						40		659	14000	40	SY	REPAIR SEEDING AND MULCHING		
7	33						40		659	15000	40	SY	INTER-SEEDING		
0.02	0.1						0.12		659	20000	0.12	TON	COMMERCIAL FERTILIZER		
0.03	0.14						0.17		659	31000	0.17	ACRE	LIME		
1	4						5		659	35000	5	MGAL	WATER		
							30,000		832	30000	30,000	EACH	EROSION CONTROL		
													DRAINAGE		
	10						10		605	13300	10	FT	6" UNCLASSIFIED PIPE UNDERDRAINS		
	10						10		611	01500	10	FT	6" CONDUIT, TYPE F		
	1						1		611	99710	1	EACH	PRECAST REINFORCED CONCRETE OUTLET		
													PAVEMENT		
18							18		301	56000	18	CY	ASPHALT CONCRETE BASE, PG64-22, (449)		
21							21		304	20000	21	CY	AGGREGATE BASE		
12							12		407	20000	12	GAL	NON-TRACKING TACK COAT		
4							4		441	70000	4	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22		
5							5		441	70300	5	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)		
			77				77		609	24510	77	FT	CURB, TYPE 4-C		
			31				31		609	26000	31	FT	CURB, TYPE 6		
													TRAFFIC CONTROL		
			24				24		626	00102	24	EACH	BARRIER REFLECTOR, TYPE 1, BIDIRECTIONAL		
			34				34		626	00110	34	EACH	BARRIER REFLECTOR, TYPE 2, BIDIRECTIONAL		
			67				67		630	02100	67	FT	GROUND MOUNTED SUPPORT, NO. 2 POST		
			12				12		630	08600	12	EACH	SIGN POST REFLECTOR		
			7				7		630	85100	7	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION		
			0.5				0.5		646	10010	0.5	MILE	EDGE LINE, 6"		
			0.25				0.25		646	10200	0.25	MILE	CENTER LINE		
			100				100		646	50100	100	FT	REMOVAL OF PAVEMENT MARKING		

GENERAL SUMMARY

DESIGN AGENCY



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REVIEWER

MJC 01/28/22

PROJECT ID

102726

SHEET

TOTAL

12 | 108

SHEET NUM.								PART.	ALT	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
8	88						01/IMS/B14	(X)		EXT	TOTAL				
STRUCTURE OVER 20 FOOT SPAN (WAR-71-13.71) CONT.															
	1,440						1,440		513	10201	1,440	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN	86	
	2						2		513	21001	2	EACH	TRIMMING OF BEAM END, AS PER PLAN	90	
	12,206						12,206		514	00050	12,206	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL		
	12,206						12,206		514	00056	12,206	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT		
	12,368						12,368		514	00060	12,368	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT		
	12,368						12,368		514	00066	12,368	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT		
	19						19		514	00504	19	MNHR	GRINDING FINES, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL		
	11						11		514	10000	11	EACH	FINAL INSPECTION REPAIR		
	62						62		516	11210	62	FT	STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL		
	20						20		516	13600	20	SF	1" PREFORMED EXPANSION JOINT FILLER		
	55						55		516	13900	55	SF	2" PREFORMED EXPANSION JOINT FILLER		
	8						8		516	44301	8	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (LOAD PLATE 10.25"x14"x3.357")	97	
	LS						LS		516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	87	
	271						271		519	11101	271	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	87	
	42						42		526	25001	42	SY	REINFORCED CONCRETE APPROACH SLABS (T=15"), AS PER PLAN	105	
	561						561		607	39901	561	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC, AS PER PLAN	87	
	674						674		625	25502	674	FT	CONDUIT, 3", 725.05		
	6						6		625	29900	6	EACH	JUNCTION BOX		
	1						1		625	33000	1	EACH	STRUCTURE GROUNDING SYSTEM		
	120						120		847	10200	120	SY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (1 3/4" THICK)		
	3						3		847	20200	3	CY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY		
	LS						LS		847	30000	LS		TEST SLAB		
	1						1		847	30200	1	CY	FULL DEPTH REPAIR		
	12						12		847	50000	12	SY	HAND CHIPPING		
MAINTENANCE OF TRAFFIC															
	8						8		614	12380	8	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)		
	LS						LS		614	12420	LS		DETOUR SIGNING		
	5						5		616	10000	5	MGAL	WATER		
	640						640		622	41100	640	FT	PORTABLE BARRIER, UNANCHORED		
INCIDENTALS															
							LS		614	11000	LS		MAINTAINING TRAFFIC		
							4		619	16010	4	MNTH	FIELD OFFICE, TYPE B		
							LS		623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING		
							LS		624	10000	LS		MOBILIZATION		

GENERAL SUMMARY

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PROJECT ID
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SHEET TOTAL
15 | 108