

ITEM 614, MAINTAINING TRAFFIC

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

1. A MINIMUM OF ONE TEN FOOT LANE IN EACH DIRECTION SHALL BE MAINTAINED ON THE EXISTING PAVEMENT OR COMPLETED PAVEMENT DURING CONSTRUCTION OF THE WORK.
2. THE CONTRACTOR SHALL INFORM THE DISTRICT OFFICE (330) 786-2208, EIGHTEEN (18) DAYS PRIOR TO THE BEGINNING OF WORK.
3. LANE RESTRICTIONS OR LANE REDUCTIONS SHALL NOT BE PERMITTED AFTER NORMAL WORKING HOURS. NORMAL WORKING HOURS SHALL BE THOSE HOURS DURING WHICH THE CONTRACTOR HAS A FULL COMPLEMENT OF EMPLOYEES AND EQUIPMENT ACTIVELY REMOVING AND/OR PLACING PAVEMENT MATERIALS.
4. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR BE PERMITTED TO HAVE SUCCESSIVE WORK ZONES UNLESS THE DISTANCE BETWEEN THE DRUMS, BARRICADES OR CONES EXCEEDS TWO (2) MILES RURAL OR ONE [1] MILE URBAN.
5. IN ADDITION TO THE REQUIREMENTS OF 614.11 WORK ZONE PAVEMENT MARKINGS, AT THE END OF EACH DAY OF WORK, THE CONTRACTOR SHALL REPLACE (WITH WORK ZONE MARKINGS) ALL LANE, CENTER, STOP OR CHANNELIZING LINES THAT WERE REMOVED OR COVERED DURING THE PAVEMENT REMOVAL OR PLACEMENT OPERATIONS. QUANTITIES FOR SUCH PLACEMENT ARE CARRIED AS PART OF THE ITEMS LISTED UNDER 614 WORK ZONE PAVEMENT MARKINGS.
6. A QUANTITY OF 10 CU. YDS. OF ITEM 614 ASPHALT CONCRETE FOR MAINTAINING TRAFFIC SHALL BE PROVIDED FOR USE IN MAINTAINING PAVEMENT, SHOULDERS AND OTHER LOCATIONS AS DIRECTED BY THE ENGINEER.
7. PRIOR TO OPENING TO TRAFFIC EACH LANE SHALL BE IN A SAFE, PASSABLE CONDITION. ALL TRANSVERSE JOINTS SHALL EXTEND ACROSS THE FULL LANE AND SHOULDER WIDTH AND EACH LANE SHALL BE FREE FROM UNEVEN LONGITUDINAL JOINTS. THE CONTRACTOR SHALL PROVIDE ASPHALT WEDGES FOR TRANSVERSE JOINTS WHEREVER THERE ARE PAVEMENT ELEVATION DIFFERENCES.
8. THE CONTRACTOR SHALL INSTALL, MAINTAIN AND SUBSEQUENTLY REMOVE WORK ZONE MARKING SIGNS AND THEIR SUPPORTS WITHIN THE WORK LIMITS. THESE SIGNS INCLUDE "NO EDGE LINES", "DO NOT PASS" AND "PASS WITH CARE". ALL OTHER SIGNS WILL BE INCIDENTAL TO THE LUMP SUM PAY ITEM 614 MAINTAINING TRAFFIC UNLESS SEPARATELY ITEMIZED IN THE PLANS. A QUANTITY OF ITEM 614 WORK ZONE MARKING SIGNS HAS BEEN INCLUDED IN THE PLANS AS PER CMS 614.04.
9. THE CONTRACTOR SHALL SET A WORK ZONE AT THE REQUEST OF THE ENGINEER TO ALLOW THE LAYOUT OF THE PARTIAL/FULL DEPTH PAVEMENT REPAIR AREAS. THIS WORK IS INCIDENTAL TO ITEM 614 MAINTAINING TRAFFIC.
10. TO ENSURE THAT WEIGHTED CHANNELIZERS WILL NOT BE BLOWN OVER OR DISPLACED BY WIND AND MOVING TRAFFIC, ALL WEIGHTED CHANNELIZERS UTILIZED ON INTERSTATES AND FREEWAYS SHALL BE FROM MANUFACTURERS ON THE OHIO DEPARTMENT OF TRANSPORTATION, OFFICE OF MATERIAL MANAGEMENT’S QUALIFIED PRODUCTS LIST (QPL) WHICH UTILIZE A MINIMUM OF A 30 POUND BALLAST.

11. DRUMS UTILIZED ON THE HIGH SIDE OF A SUPERELEVATED INTERSTATE OR FREEWAYS SHALL BE FROM MANUFACTURERS ON THE OFFICE OF MATERIAL MANAGEMENT’S QUALIFIED PRODUCTS LIST (QPL) WITH A MINIMUM BALLAST WEIGHT OF 30 POUNDS. ALL BALLASTS USED SHALL BE IN ACCORDANCE WITH THE MANUFACTURER’S SPECIFICATIONS.

THE FOLLOWING QUANTITIES SHALL BE USED FOR THE MAINTENANCE OF TRAFFIC ON THIS PROJECT:

PHASE 1 - MILLED SURFACE

614, WORK ZONE LANE LINE, CLASS I, 8.15 MILES

614, WORK ZONE STOP LINE, CLASS I, 78 FT

614, WORK ZONE CHANNELIZING LINE, CLASS I, 11860 FT

614, WORK ZONE DOTTED LINE, CLASS I, 642 PAINT, 6515 FT

614, WORK ZONE MARKING SIGN,(ALL PHASES) 6 EACH

PHASE 2 - SURFACE COURSE

614, WORK ZONE LANE LINE, CLASS III, 642 PAINT 8.15 MILE

614, WORK ZONE STOP LINE, CLASS III, 642 PAINT 78 FT

614, WORK ZONE CHANNELIZING LINE, CLASS III, 642 PAINT, 11860 FT

614, WORK ZONE DOTTED LINE, CLASS III, 642 PAINT, 6515 FT

TO BE USED AS DIRECTED BY THE ENGINEER

614, WORK ZONE EDGE LINE, CLASS III, 37.80 MILES

FOR OVERHEAD BRIDGES TREATED WITH GRAVITY FED RESIN

614, WORK ZONE CENTER LINE, CLASS III, 642 PAINT, 0.13 MILE

614, WORK ZONE DOTTED LINE, CLASS III, 642 PAINT, 399 FT

614, WORK ZONE EDGE LINE, CLASS III, 0.27 MILES

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.

DROPOFFS AT SIDE STREETS AND DRIVEWAYS

THE CONTRACTOR WILL NOT BE PERMITTED TO LEAVE A DIFFERENCE IN ELEVATION BETWEEN THE MAINLINE MILLED SURFACES AND THE SURFACE COURSE OF SIDE STREET APPROACHES/DRIVEWAYS GREATER THAN 1.25 INCH. THE CONTRACTOR SHALL PLACE A 12:1 ASPHALT WEDGE FOR ALL RESULTING ELEVATION DIFFERENCES GREATER THAN 1.25 INCH PRIOR TO OPENING TO TRAFFIC. THE PAVING OF INTERSECTION APPROACHES AND DRIVEWAYS SHALL BE PERFORMED WITHIN 7 DAYS OF MAINLINE SURFACE COURSE BEING APPLIED AND A DROPOFF BEING CREATED BETWEEN THE NEW SURFACE COURSE AND THE MILLED/EXISTING SIDE ROAD OR DRIVEWAY SURFACE. THE CONTRACTOR MAY ELECT TO PLACE A 12:1 ASPHALT WEDGE IN LIEU OF COMPLETING THE PAVING, HOWEVER THE ASPHALT CONCRETE USED FOR THE WEDGE SHALL BE CONSIDERED INCIDENTAL TO ITEM 614 MAINTAINING TRAFFIC AND SHALL INCLUDE THE REMOVAL OF THE WEDGE BEFORE THE INTERSECTION/DRIVEWAY IS PAVED.

PAINTING STRUCTURAL STEEL (MAH-680-13.427)

THE CONTRACTOR SHALL CLOSE A LANE TO PERFORM PAINTING OPERATIONS AS PER SCD MT-95.30. ALL WORK ZONES AND PAINTING EQUIPMENT AT THIS LOCATION SHALL BE REMOVED FROM THE ROADWAY WHEN THE CONTRACTOR IS NOT WORKING.

MOT NOTE ADDED FOR REPAIR PAINTING OF STRUCTURE MAH-680-13.427

ITEM 614, MAINTAINING TRAFFIC (LANES OPEN DURING HOLIDAYS OR SPECIAL EVENTS)

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

NEW YEAR'S (OBSERVED)

THANKSGIVING

MEMORIAL DAY CHRISTMAS (OBSERVED)

FOURTH OF JULY (OBSERVED)

LABOR DAY

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

DAY OF HOLIDAY TIME ALL LANES

OR SPECIAL EVENT MUST BE OPEN TO TRAFFIC

SUNDAY 12:00N FRIDAY THROUGH 6:00 AM MONDAY

MONDAY 12:00N FRIDAY THROUGH 6:00 AM TUESDAY

TUESDAY 12:00N MONDAY THROUGH 6:00 AM WEDNESDAY

TUESDAY (GEN./REG. ELECTION)

5:00 AM TUESDAY THROUGH 12:00 AM WEDNESDAY

WEDNESDAY 12:00N TUESDAY THROUGH 6:00 AM THURSDAY

THURSDAY 12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY

THURSDAY (THANKSGIVING ONLY)

6:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY

FRIDAY 12:00N THURSDAY THROUGH 6:00 AM MONDAY

SATURDAY 12:00N FRIDAY THROUGH 6:00 AM MONDAY

DURING THE SAME PERIODS, MAINTAIN PEDESTRAIN ACCESS IF PEDESTRIAN ACCESS WAS PRESENT PRIOR TO CONSTRUCTION.

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE PER THE LANE VALUE CONTRACT (PN 127).

LANE VALUE CONTRACT			
DESCRIPTION OF CRITICAL LANE TO BE MAINTAINED	RESTRICTED TIME PERIOD	TIME UNIT	DISINCENTIVE \$ PER TIME UNIT
IR-680 (SLM 12.12 TO SLM 16.51)	AS PER THE "MAINTAINING TRAFFIC (LANES OPEN DURING HOLIDAYS OR SPECIAL EVENTS)" NOTE ABOVE.	PER MINUTE/ PER LANE	\$110

TIME LIMITATION, TRAFFIC ON A MILLED SURFACE

THE MAXIMUM ALLOWABLE TIME FOR TRAFFIC TO BE PLACED ON A MILLED SURFACE SHALL BE 7 CONSECUTIVE CALENDAR DAYS. SHOULD THE CONTRACTOR FAIL TO MEET THIS REQUIREMENT, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$2000 PER DAY THAT THE TRAFFIC IS PLACED ON A MILLED SURFACE BEYOND THE SPECIFIED LIMIT.

ASPHALT PAVING LIMITATION

THE CONTRACTOR SHALL NOT ANTICIPATE OR SCHEDULE PLACING ASPHALT (ASPHALT SURFACE COURSE, ASPHALT INTERMEDIATE COURSE, ASPHALT CONCRETE BASE, ETC.) BETWEEN NOVEMBER 1 AND APRIL 1 WHEN SUBMITTING THEIR INITIAL BAR CHART PROGRESS SCHEDULE TO THE DISTRICT CONSTRUCTION ENGINEER (DCE) AS SPECIFIED IN CMS SECTION 108.02A. THIS LIMITATION SHALL ALSO INCLUDE INITIAL BASE LINE SCHEDULES AND ALL UPDATES IF A CPM SCHEDULE IS REQUIRED.

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

ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
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RAMP & ROAD CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
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> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
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<= 12 HOURS	4 CALENDAR DAYS PRIOR TO CLOSURE
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LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
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< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
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START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION
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ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

ADVANCED NOTICE TO PAVE

THE CONTRACTOR SHALL SUBMIT FOR APPROVAL TO THE DISTRICT CONSTRUCTION ENGINEER A DETAILED SCHEDULE 15 DAYS PRIOR TO THE PLACEMENT OF THE OVERLAY COURSES, ON HOW THEY PROPOSE TO PROSECUTE THE PAVING OPERATIONS. THE DETAILS SHALL SHOW THE ORDER OF PERFORMANCE OF EACH STAGE (START TO FINISH) OF THE WORK INCLUDING THE MAINTENANCE OF TRAFFIC THAT WILL BE USED.

DESIGN AGENCY



DESIGNER

SBD

REVIEWER

LOB 12-13-24

PROJECT ID

101046


SHEET

P.5

TOTAL

18

SHEET NUM.											PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
3	4	5	6	7	10	11	12	13	14	15	01/IMS	02/IMS	03/IMS						
																	ROADWAY		
52											52			202	98100	52	EACH	REMOVAL MISC.: BARRIER REFLECTOR	3
28											28			203	10000	28	CY	EXCAVATION (FOR PAVEMENT REPAIR)	
464											464			209	60200	464	STA	LINEAR GRADING	
	LS										LS			SPECIAL	69091000	LS		AS-BUILT CONSTRUCTION PLANS	4
	4										4			SPECIAL	69098000	4	EACH	VERTICAL CLEARANCE	4
											3,000			832	30000	3,000	EACH	EROSION CONTROL	
																		PAVEMENT	
1,250											1,250			251	01000	1,250	SY	PARTIAL DEPTH PAVEMENT REPAIR (441) (LONGITUDINAL)	
250											250			251	01000	250	SY	PARTIAL DEPTH PAVEMENT REPAIR (441) (TRANSVERSE)	
2,250											2,250			252	01500	2,250	FT	FULL DEPTH PAVEMENT SAWING	
					102,509	102,667	13,679				218,855			254	01000	218,855	SY	PAVEMENT PLANING, ASPHALT CONCRETE (T = 2")	
500											500			255	19000	500	SY	FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, TYPE 1, CLASS RS	
28											28			304	20000	28	CY	AGGREGATE BASE (FOR PAVEMENT REPAIR)	
					9,226	9,240	1,232				19,698			407	20000	19,698	GAL	NON-TRACKING TACK COAT	
					4,009	3,952	723				8,684			408	10001	8,684	GAL	PRIME COAT, AS PER PLAN @ 0.40 GAL/SY	3
					3,747	3,783	456				7,986			442	00100	7,986	CY	ANTI-SEGREGATION EQUIPMENT	
					5,695	5,704	760				12,159			442	10300	12,159	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447)	
					279	275	26				580			617	10101	580	CY	COMPACTED AGGREGATE, AS PER PLAN	3
	7										7			618	39000	7	EACH	RUMBLE STRIPS, TRANSVERSE (ASPHALT CONCRETE)	
					9	9					18			618	40600	18	MILE	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	
									25.37		25.37			850	10010	25.37	MILE	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	
									6,515		6,515			850	10110	6,515	FT	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	
									11,860		11,860			850	10130	11,860	FT	GROOVING FOR 12" RECESSED PAVEMENT MARKING, (ASPHALT)	
									0.14		0.14			850	20010	0.14	MILE	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (CONCRETE)	
								366			366			621	00100	366	EACH	TRAFFIC CONTROL	
								574			574			621	00101	574	EACH	RPM, AS PER PLAN	4
								606			606			621	54000	606	EACH	RAISED PAVEMENT MARKER REMOVED	
8											8			626	00102	8	EACH	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)	
39											39			626	00102	39	EACH	BARRIER REFLECTOR, TYPE 1 (ONE-WAY)	
160											160			626	00110	160	EACH	BARRIER REFLECTOR, TYPE 2 (ONE-WAY)	
										0.27	0.27			646	10010	0.27	MILE	EDGE LINE, 6"	
										0.13	0.13			646	10200	0.13	MILE	CENTER LINE	
									78		78			646	10400	78	FT	STOP LINE	
									656	20	676			646	10600	676	FT	TRANSVERSE/DIAGONAL LINE	
									16		16			646	20300	16	EACH	LANE ARROW	
									4		4			646	20320	4	EACH	WRONG WAY ARROW	
										399	399			646	20504	399	FT	DOTTED LINE, 6"	
											18.9			807	12010	18.9	MILE	WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, 6"	
											8.15			807	12110	8.15	MILE	WET REFLECTIVE EPOXY PAVEMENT MARKING, LANE LINE, 6"	
											11,860			807	12310	11,860	FT	WET REFLECTIVE EPOXY PAVEMENT MARKING, CHANNELIZING LINE, 12"	
											6,515			807	12410	6,515	FT	WET REFLECTIVE EPOXY PAVEMENT MARKING, DOTTED LINE, 6"	
																		STRUCTURE REPAIRS	
																		FOR MAH-164-5.269 ESTIMATED QUANTITIES	17
																		FOR MAH-680-12.488 ESTIMATED QUANTITIES	17
																		FOR MAH-680-13.427 ESTIMATED QUANTITIES	17
																		FOR MAH-680-14.415 ESTIMATED QUANTITIES	17
																		FOR MAH-680-15.495 R ESTIMATED QUANTITIES	17
																		FOR MAH-680-15.715 L ESTIMATED QUANTITIES	17
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GENERAL SUMMARY	
DESIGN AGENCY	
	
DESIGNER	
SBD	
REVIEWER	
MJA	12-13-24
PROJECT ID	
101046	
SHEET	TOTAL
P.9	18

STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS

REFER TO THE FOLLOWING SUPPLEMENTAL SPECIFICATION(S):

844 REVISED 1/17/25

EXISTING STRUCTURE VERIFICATION

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO C&MS, SECTIONS 102.05, 105.02, AND 513.04*. BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD.

PROPOSED WORK

MAH-680-12.488 (SFN 5007747), OVER BRANCH OF YELLOW CREEK
-CLEARING AND GRUBBING 15' AROUND STRUCTURE.

MAH-680-13.427 (SFN 5007828), OVER MAH-IR-680
-SEAL THE CONCRETE WEARING SURFACE AND APPROACH SLABS WITH GRAVITY FED RESIN
-RESURFACE 50' OF APPROACH PAVEMENT AT FORWARD AND REAR APPROACHES TO SMOOTH OUT TRANSITION
-PATCH ALL UNSOUND AREAS OF THE PIERS WITH 519, ADD GALVANIC ANODES AS PER SS 844, SEAL ALL PATCHES WITH EPOXY-URETHANE SEALER (MATCH EXISTING COLOR)
-CLEARING AND GRUBBING 15' AROUND STRUCTURE.

MAH-680-14.415 (SFN 5003253), OVER MAH-IR-680
-PATCH ALL UNSOUND AREAS OF THE PIERS WITH 519, ADD GALVANIC ANODES AS PER SS 844, SEAL ALL PATCHES WITH EPOXY-URETHANE SEALER (MATCH EXISTING COLOR)
-CLEARING AND GRUBBING 15' AROUND STRUCTURE.

MAH-680-15.495R (SFN 5007879), OVER CALLA RD
-SEAL THE CONCRETE WEARING SURFACE AND APPROACH SLABS WITH GRAVITY FED RESIN
-CLEARING AND GRUBBING 15' AROUND STRUCTURE.

MAH-680-15.715L (SFN 5007860), OVER CALLA RD
-SEAL THE CONCRETE WEARING SURFACE AND APPROACH SLABS WITH GRAVITY FED RESIN
-CLEARING AND GRUBBING 15' AROUND STRUCTURE.

MAH-164-5.269 (SFN 5003230), OVER MAH-IR-680
-SEAL THE CONCRETE WEARING SURFACE AND APPROACH SLABS WITH GRAVITY FED RESIN
-CLEARING AND GRUBBING 15' AROUND STRUCTURE.

ITEM 201 - CLEARING AND GRUBBING, AS PER PLAN, AROUND BRIDGES/STRUCTURES/CULVERTS

ALTHOUGH NO TREES OR STUMPS ARE SPECIFICALLY MARKED FOR REMOVAL WITHIN THE PLANS, A LUMP SUM QUANTITY IS INCLUDED IN THE STRUCTURE GENERAL SUMMARY FOR ITEM 201 – CLEARING AND GRUBBING, AS PER PLAN, AROUND BRIDGES/STRUCTURES/CULVERTS. SCALPING IS NOT REQUIRED FOR THIS ITEM OF WORK. ALL VEGETATION SHALL BE REMOVED WITHIN 15 FEET (OR TO THE R/W LIMITS, WHICHEVER IS CLOSER) OF THE HEADWALLS, ABUTMENTS AND/OR PIERS.

ALL OTHER PROVISIONS AS SET FORTH IN THE CMS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM 201 – CLEARING AND GRUBBING, AS PER PLAN, AROUND BRIDGES/STRUCTURES/CULVERTS.

ITEM 519 - PATCHING CONCRETE STRUCTURES, AS PER PLAN

PRIOR TO THE SURFACE CLEANING SPECIFIED IN C&MS 519.04 AND WITHIN 24 HOURS OF PLACING PATCHING MATERIAL, BLAST CLEAN ALL SURFACES TO BE PATCHED INCLUDING THE EXPOSED REINFORCING STEEL. ACCEPT-ABLE METHODS INCLUDE: HIGH-PRESSURE WATER BLAST-ING WITH, OR WITHOUT, ABRASIVES IN THE WATER, ABRASIVE BLASTING WITH CONTAINMENT OR VACUUM ABRASIVE BLASTING.

MAH-680-13.427 (PIERS)
ITEM 519 - PATCHING CONCRETE STRUCTURES, AS PER PLAN, 85 SF

MAH-680-14.415 (PIERS)
ITEM 519 - PATCHING CONCRETE STRUCTURES, AS PER PLAN, 40 SF

ITEM 844 - CONCRETE PATCHING WITH GALVANIC ANODE PROTECTION

REPAIR CONCRETE SHALL BE HYDRAULIC CEMENT-BASED MATERIAL WITH AN ELECTRICAL RESISTIVITY LESS THAN 50,000 OHM-CM ACCORDING TO ASTM C 1760. DO NOT USE NON- CONDUCTIVE REPAIR MATERIALS SUCH AS MAGNESIUM AMMONIUM PHOSPHATE CONCRETE AND EPOXY MORTARS OR BONDING AGENTS. CONCRETE MIXES CONTAINING HIGH LEVELS OF SUPPLEMENTARY CEMENTITIOUS MATERIALS SUCH AS SILICA FUME, GROUND-GRANULATED BLAST FURNACE SLAG, LATEX, FLY ASH OR METAKAOLIN MAY NOT MEET THE RESISTIVITY REQUIREMENT.

THE GALVANIC ANODE SIZE AND SPACING IS BASED ON ACHIEVING A CURRENT DENSITY FOR THE EXTREMELY HIGH CORROSION RISK CATEGORY WITH A 20 YEAR INSTALLATION. SUPPLY ANODES WITH A MINIMUM CORE OF 200 GRAMS OF ZINC. SEE THIS SHEET FOR DISTRIBUTION.

THE FOLLOWING QUANTITIES AND ANODE SPACINGS HAVE BEEN PROVIDED FOR EACH STRUCTURE.

MAH-680-13.427 (SFN 5007828)
PIERS: ANODE SPACING @ 12 IN C/C
ITEM 844, GALVANIC ANODE PROTECTION, 204 EACH

MAH-680-14.415 (SFN 5003253)
PIERS: ANODE SPACING @ 12 IN C/C
ITEM 844, GALVANIC ANODE PROTECTION, 96 EACH

ITEM 514 - PAINTING OF STRUCTURAL STEEL


THE COLOR FOR THE FINISHED COAT OF STRUCTURE MAH-680-13.427 WILL CONFORM TO FEDERAL COLOR NUMBER 15526 (BLUE). THIS WORK IS TO BE COMPLETED IN CALENDAR YEAR 2025.

LOCATIONS TO BE PAINTED WILL INCLUDE:
SPAN 3
BEAMS 1 - 3: REPAIRED PORTION OVER RIGHT LANE OF ROADWAY
BEAMS 4 - 5: REPAIRED PORTION OVER BOTH LANES OF ROADWAY

NOTE ADDED FOR REPAIR PAINTING OF MAH-680-13.427 STRUCTURE

STRUCTURE NOTES

MAH-680-12.488, MAH-680-13.427, MAH-680-14.415,
MAH-680-15.495R, MAH-680-15.715L, & MAH-164-5.269

SFN	
VARIOUS	
DESIGN AGENCY	
	
DESIGNER	CHECKER
SBD	JF
REVIEWER	
MJA 12-13-24	
PROJECT ID	
101046	
SUBSET	TOTAL
1	3
SHEET	TOTAL
P.16	18

[illegible]

CALC:	SBD	DATE:	8/23/2024
CHECKED:	MJA	DATE:	12/17/2024