

ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS, CONTINUED

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

ENSURE PROVIDED LEOS HAVE BEEN TRAINED APPROPRIATE TO THE JOB DECISIONS THEY ARE REQUIRED TO MAKE WHILE ON THE PROJECT, IN ACCORDANCE WITH C&MS 614.03.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE THAT SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE 300 HOURS

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF A LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

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 TO THE RIGHT TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECIEVED 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.

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

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NOTIFICATION OF TRAFFIC RESTRICTIONS, CONTINUED

NOTIFICATION OF TRAFFIC RESTRICTIONS TIME TABLE

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ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS AND PIO
RAMP & ROAD CLOSURES	>=2 WEEKS >12 HOURS & <2 WEEKS <=12 HOURS	21 CALENDAR DAYS PRIOR TO CLOSURE 14 CALENDAR DAYS PRIOR TO CLOSURE 4 CALENDAR DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>=2 WEEKS <2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE 5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

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

PROPOSAL NOTE 127 - LANE VALUE CONTRACT TABLE

THE CONTRACTOR SHALL BE ASSESSED DISINCENTIVES AS DESIGNATED IN THE LANE VALUE CONTRACT TABLE FOR EACH UNIT OF TIME THE CRITICAL LANE/RAMP IS RESTRICTED FROM FULL USE BY THE TRAVELLING PUBLIC WITHIN THE RESTRICTED TIME PERIOD. THE LANE VALUE CONTRACT TABLE IS LOCATED BELOW. THE DISINCENTIVES WILL BE ASSESSED FOR ALL RESTRICTIONS OF THE CRITICAL WORK.

CRITICAL WORK IS SHOWN IN THE LANE VALUE CONTRACT TABLE.

CRITICAL WORK IS DEFINED AS HAVING THE DESIGNATED SECTIONS OPEN TO UNRESTRICTED TRAFFIC AS SHOWN IN THE TABLE, OR THE ENTIRE PROJECT IF NOT OTHERWISE LISTED.

			ALLOWABLE CLOSURES							
LOCATION	DIRECTION	LANES	WEEKDAYS			WEEKENDS				
			1 LANE CLOSED	2 LANES CLOSED	1 LANE CLOSED	2 LANES	CLOSED			
I-480: I-77 EXIT RAMPS TO I-77 ENTRANCE RAMPS	EAST	3	9AM-3PM 7PM-6AM	7:30PM-5AM	8PM FRI-6AM MON	9PM FRI-8AM SAT 8PM SAT-10AM SUN 8PM SUN-5AM MON	9PM FRI-5AM MON (ONE TIME ONLY)*	MINUTE PER LANE	\$485	
I-480: I-77 EXIT RAMPS TO I-77 ENTRANCE RAMPS	WEST	3	10AM-2PM 7PM-6AM	8PM-5AM	8PM FRI-6AM MON	9PM FRI-8AM SAT 8PM SAT-10AM SUN 8PM SUN-5AM MON	9PM FRI-5AM MON (ONE TIME ONLY)*	MINUTE PER LANE	\$485	

9PM FRI - 5AM MON 2 LANE CLOSURES SHALL NOT BE CONCURRENT FOR EASTBOUND AND WESTBOUND.

MAINTENANCE OF TRAFFIC SUBSUMMARY

S	STATION	N TO S	STATION	
	I-480 \	NB BI	RIDGE	
965+97.07 ±	LT	ТО	970+46.72 ±	l
966+43.76 ±	LT	ТО	970+93.38 ±	l
	I-480 I	EB BF	RIDGE	
966+93.05 ±	RT	ТО	971+25.43 ±	F
967+33.41 ±	RT	ТО	971+62.28 ±	F
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ESIGN AGENCY



DESIGNER	
C	LB
REVIE	EWER
JML 1	1-06-23
PROJECT ID)
117	872
SHEET	TOTAL
4	41

L&R 17.87 480 R

JPer

צמ : 9:51:59 AM USER: ID117872 CUY-480-1











L&R 17.87 480 R

JPer : 9:53:23 AM USER: ID117872 CUY-4^{Rn-1}

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Repair\11						1,274 79					
-R Bridge											
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372 CUY-		36	4								
4-PID1178			1,709								
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	PART.		ITEM	GRAND		
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	2	606	35002	50 2	ΓΙ	MGS BRIDGE TERMINAL ASSEMBLY TYPE 1
	1	606	35102	1	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2
						E
 	1,000	832	30000	1,000	EACH	EROSION CONTROL
						Т
 	12	621	00100	12	EACH	RPM
 	52	621	54000	52	EACH	RAISED PAVEMENT MARKER REMOVED
	36	626	00102	36	EACH	BARRIER REFLECTOR, TYPE 1, 1 WAY
	3 200	630	97800	3 200		SIGNING MISC CADDITIONAL SIGNS GROUND MO
	200	050	57800	200		
	0.21	646	10010	0.21	MILE	EDGE LINE, 6"
	0.28	646	10110	0.28	MILE	LANE LINE, 6"
		202	11201			
 	LS 11 040	202	11201	LS 11 040		FORTIONS OF STRUCTURE REINOVED, AS PER PLA
	500	509	20001	500		CONCRETE DEINEODCEMENT, AS PER PI
	6 701	509	20001	6 701		NO A DECORATED GERD REINFORCEIVIENT, REPLACEIVIENT OF E
 	1 809	510	10001	1 809	FACH	DOWEL HOLES WITH NONSHRINK NONMETALLIC
 	1,005	510	10001	1,005	Entern	
	66	511	34448	66	СҮ	CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET)
	1,563	512	10100	1,563	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETH)
	15	512	10600	15	FT	CONCRETE REPAIR BY EPOXY INJECTION
 	1,251	512	74000	1,251	SY	REMOVAL OF EXISTING COATINGS FROM CONCRE
	3,370	513	10201	3,370	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER
	72	512	20000	70		
 	11	516	13200	11	SE	
	7	516	46700	7	FACH	RESET BEARING
	LS	516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERST
	1,119	519	11101	1,119	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN
	187	519	12300	187	SY	PATCHING CONCRETE BRIDGE DECK - TYPE B
						STRUCTURE REPAIR
	1,463	512	10100	1,463	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETH)
	7	512	10600	7	FT	CONCRETE REPAIR BY EPOXY INJECTION
	1,172	512	74000	1,172	SY	REMOVAL OF EXISTING COATINGS FROM CONCRE
	8	516	46700	8	EACH	RESET BEARING
	LS	516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERST
	1 27/	510	11101	1 27/	SE	DATCHING CONCRETE STRUCTURE AS DER DIAN
	79	519	12300	79	SY SY	PATCHING CONCRETE BRIDGE DECK - TYPE B
 	15	515	12300	,,,	51	
 						MAIN
 	300	614	11110	300	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR F
 	1,709	614	11630	1,709	FT	INCREASED BARRIER DELINEATION
 	4	614	12380	4	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZ
	36	614	13350	36	EACH	OBJECT MARKER ONE WAY
 	1,709	622	41100 {	1,709	FT	PORTABLE BARRIER, UNANCHORED
	LS	614	11000	LS		MAINTAINING TRAFFIC
 	4	619	16011	4	MNTH	FIELD OFFICE, TYPE B, AS PER PLAN
	LS	623	10001	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING,
	LS	624	10000	LS		MOBILIZATION

DESCRIPTION	SEE SHEET NO.	
ROADWAY		
ROSION CONTROL		
RAFFIC CONTROL		
OUNTED, AS DIRECTED BY ENGINEER	8	
(CUY-00480-17.880L SFN 1813102)	2	
LAN XISTING CONCRETE REINFORCEMENT, AS PER PLAN	2	RY
		ЛA
GROUT, AS PER PLAN	2	NML
ANE)		IL SL
TE SURFACES		RA
PLAN	2	NE
		IJ
RUCTURE, AS PER PLAN	2	
	2	
(CUY-00480-17.880R SFN 1813110) ANE)		
TE SURFACES		
	2	
	2	
TENANCE OF TRAFFIC OR ASSISTANCE		
ZARDS, (UNIDIRECTIONAL)		
INCIDENTALS		DESIGN AGENCY
, AS PER PLAN	2	
		ms consultants, inc.
		AI IVI REVIEWER JDH 11-08-23
		PROJECT ID 117872
		SHEET TOTAL 7 41

							CALCULATED BY:	ATM	8/25/2023
							CHECKED BY:	WER	8/30/2023
				ESTIMATED QUANTITIES - BRIDGE NO. CUY-480-1788L (SFN 1813102)					
ITEM	ITEM EXT.	QUANTITY	UNIT	DESCRIPTION	ABUTMENTS	PIERS	SUPERSTRUCTURE	GENERAL	SHEET REF.
202	11201	LS	LS	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN					2/41
509	10001	11848	LB	EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN			11848		2/41
509	20001	500	LB	CONCRETE REINFORCEMENT, REPLACEMENT OF EXISTING CONCRETE REINFORCEMENT, AS PER PLAN			500		2/41
509	30020	6701	FT	NO. 4 DEFORMED GFRP REINFORCEMENT			6701		
510	10001	1809	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN			1809		2/41
511	34448	66	СҮ	CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET)			66		
512	10100	1563	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	119	579	865		
512	10600	15	FT	CONCRETE REPAIR BY EPOXY INJECTION	8	7			
512	74000	1251	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES	95	464	692		
								\sim	
513	10201	3370	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN				3370	
513	20000	72	EACH	WELDED STUD SHEAR CONNECTORS				72	
516	13200	11	SF	¹ / ₂ " PREFORMED EXPANSION JOINT FILLER				11	
516	46700	7	EACH	RESET BEARING	7				
516	47001	LS	LS	JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN					2/41
519	11101	1119	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	242	741	136		2/41
519	12300	187	SY	PATCHING CONCRETE BRIDGE DECK *TYPE B			187		
606	15050	50	FT	GUARDRAIL, TYPE MGS				50	
606	35002	2	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1				2	
606	35102	1	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2				1	

* SEE PROPOSAL NOTE 512

ESTIMATED QUANTITIES	BRIDGE NO. CUY-00480-17.880L	I-480 OVER S-W AND N-E LANES
SFN 1 DESIGN	8131	02 CY
ms co	onsultan	S ts, inc.
DESIGN ATN	NER CH	hecker WER
	REVIEWI 11-(ER 08-23
PROJEC 1 SUBSF	ци L1787 Г. ТС	'2 DTAL
2 SHEFT	ТС	19
JILLI		