FOR WORK LOCATIONS, SEE SHEET 2

LOCATION MAP

**DESIGN DESIGNATION** 

FUNCTIONAL CLASSIFICATION

DESIGN HOURLY VOLUME (2035)

FREE = FREEWAYS AND EXPRESSWAY

UNDERGROUND UTILITIES

Contact Two Working Days Before You Dig

**OHIO811.** org

Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764

(Non members must be called directly)

PLAN PREPARED BY:

OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 5 PLANNING & ENGINEERING

**DIRECTIONAL DISTRIBUTION** 

OPENING YEAR ADT (2023)

DESIGN YEAR ADT (2035)

TRUCKS (24 HOUR B&C)

**DESIGN SPEED** 

LEGAL SPEED

NHS PROJECT

NONE REQUIRED

NONE REQUIRED

**DESIGN EXCEPTIONS** 

ADA DESIGN WAIVER

LIC-16

FREE

51,500

62,00

8,100

100%

55 MPH

55 MPH

20.26-23.75 | 12.46-13.81

FREE

38,500

48,000

4,300

62%

55 MPH

*55 MPH* 

YES

# 16/79-

# STATE OF OHIO

# DEPARTMENT OF TRANSPORTATION

# LIC-16/79-VAR

# NEWARK AND MADISON TOWNSHIPS LICKING COUNTY

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# ENGINEERS SEAL

		STANDARI	SUPPLEMENTAL SPECIFICATIONS				
BP-3.1	1/21/22	MT-98.29	1/17/20	EXJ-3-93	1/18/13		800 10/21/22
		MT-99.20	4/19/19				808 1/18/19
		MT-101.60	1/17/20				832 7/15/22
		MT-101.90	7/17/20				843 10/18/19
		MT-102.20	4/19/19				908 10/20/17
MT-95.30	7/19/19	MT-104.10	10/16/15				
MT-95.31	7/19/19	MT-105.10	1/17/20				
MT-95.32	4/19/19						
MT-95.50	7/21/17						
MT-97.10	4/19/19						
MT-98.10	1/17/20						
MT-98.11	1/17/20						SPECIAL
MT-98.20	4/19/19	TC-71.10	7/15/22				PROVISIONS
MT-98.22	1/17/20	TC-72.20	7/20/18				
MT-98.28	1/17/20						

# FEDERAL PROJECT NUMBER

E191(755)

# RAILROAD INVOLVEMENT

COLUMBUS AND OHIO RIVER RAIL ROAD

# PROJECT DESCRIPTION

REHABILITATION ON VARIOUS STRUCTURES ON S.R. 16 AND S.R. 79 IN LICKING COUNTY.

# EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA = N/A (MAINTENANCE) ESTIMATED CONTRACTOR EARTH DISTURBED AREA = N/A (MAINTENANCE) NOTICE OF INTENT EARTH DISTURBED AREA = NOI NOT REQUIRED

# LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

# 2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY

ESIGN AGENCY



ESIGNER REVIEWER

TAG 01/30/23 ROJECT ID 110414

OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

# DISTRICT DEPUTY DIRECTOR

DIRECTOR, DEPARTMENT OF TRANSPORTATION

# ITEM 614 - MAINTAINING TRAFFIC

DO NOT EXCEED THE PERMITTED LANE CLOSURE TIMES POSTED ON THE DEPARTMENT'S PERMITTED LANE CLOSURE WEB SITE OR THE LANE VALUE CONTRACT TABLE UNLESS OTHERWISE DIRECTED BY THE ENGINEER. SUBMIT A LANE CLOSURE APPLICATION REQUEST FORM TO THE ENGINEER IN WRITING, THREE (3) WORKING DAYS IN ADVANCEOF THE LANE(S) CLOSURES UNLESS OTHERWISE DIRECTED BY THE ENGINEER. NO LANE CLOSURES WILL BE PERMITTED DURING HOLIDAYS OR SPECIAL EVENTS. SEE SPECIAL EVENTS/HOLIDAY NOTE.

## **BRIDGE LOCATION 2:**

PEDESTRIAN TRAFFIC SHALL BE CLOSED USING STANDARD DRAWING MT-101.60. TRAFFIC FOR PREP AND SEALING THE BRIDGE DECK SHALL ONLY BE DONE AT NIGHT FROM 8:00 PM TO 8:00 AM. REPLACEMENT OF THE SIDEWALK WILL ONLY BE ALLOWED FROM 8:00 PM TO 8:00 AM.

# **BRIDGE LOCATION 3:**

A MINIMUM OF 1 LANE OF TRAFFIC ON THE BRIDGE SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT AND STANDARD DRAWINGS DRAWING MT-97.10 CLOSING THE RIGHT OR LEFT LANES AS NEEDED OR DIRECTED BY THE ENGINEER BETWEEN THE HOURS OF 10:00 PM AND 7:00 AM. A STEEL PLATE SHALL BE USED TO COVER UP ANY WORK THAT IS UNFINISHED AND/OR CURING OF CONCRETE BEFORE RE-OPENING TO TRAFFIC.

## **BRIDGE LOCATIONS 6:**

A MINIMUM OF 1 LANE OF TRAFFIC ON THE BRIDGE SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT AND STANDARD DRAWINGS DRAWING MT-95.31 & MT-95.32 CLOSING THE RIGHT OR LEFT LANES AS NEEDED OR DIRECTED BY THE ENGINEER BETWEEN FRIDAY 7:00PM TO 7:00AM MONDAY.

# BRIDGE LOCATIONS 9, 10, 14, 15:

A MINIMUM OF 1 LANE OF TRAFFIC ON THE BRIDGE SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT AND STANDARD DRAWINGS DRAWING MT-95.30 CLOSING THE RIGHT OR LEFT LANES AS NEEDED OR DIRECTED BY THE ENGINEER.

# BRIDGE LOCATIONS 1, 4, 5, 7, 8, 11, 12, 13:

A MINIMUM OF 1 LANE OF TRAFFIC ON THE BRIDGE SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT AND STANDARD DRAWINGS DRAWING MT-95.31 & MT-95.32 CLOSING THE RIGHT OR LEFT LANES AS NEEDED OR DIRECTED BY THE ENGINEER.

CLOSING THE LANES BEFORE THE ALLOWABLE TIME AND/OR FAILURE TO RE-OPEN ALL LANES TO TRAFFIC AS DIRECTED IN THE PLANS WILL RESULT IN A DISINCENTIVE AS DESIGNATED IN THE LANE VALUE CONTRACT PROPOSAL NOTE 127.

PLACE AN UNOCCUPIED SHADOW VEHICLE EQUIPPED WITH A TRUCK-MOUNTED ATTENUATOR (TMA) WHENEVER MAINTAINING TRAFFIC ACCORDING TO STANDARD DRAWING MT-95.30 OR AS DIRECTED BY THE ENGINEER. EQUIP THE VEHICLES WITH A 360 DEGREE ROTATING OR FLASHING AMBER BEACON CLEARLY VISIBLE FROM A MINIMUM DISTANCE OF 1 QUARTER MILE.

PERFORM ALL WORK AND SUPPLY ALL TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH CMS 614 AND LATEST VERSION OF 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.

# SPECIAL EVENTS/HOLIDAY

THE FOLLOWING HOLIDAY OR SPECIAL EVENT RESTRICTIONS APPLY.

**CHRISTMAS FOURTH OF JULY** NEW YEARS LABOR DAY MEMORIAL DAY THANKSGIVING

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

DAY OF WEEK	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00AM FRIDAY
THURSDAY (THANKSGIVING)	12:00N WED. THROUGH 6:00AM MON.
FRIDAY	12:00N THURSDAY THROUGH 6:00AM MONAY
SATURDAY	12:00N FRIDAY THROUGH 6:00AM MONDAY

# LANE VALUE CONTRACT TABLE

DESCRIPTION OF CRITICAL LANE/RAMP TO BE MAINTAINED	RESTRICTED TIME PERIOD	TIME UNIT	\$ PER TIME UNIT
1 LANE OF S.R. 16 FROM MM 19.95 TO MM 23.30 EASTBOUND AND WESTBOUND	O.D.O.T. WEBSITE: PERMITTED LANE CLOSURE TIMES	15 MIN.	\$2,500

# ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE **DURING CONSTRUCTION OPERATIONS**

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW WILL NOT BE PERMITTED AT PROJECT COST. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE **FOLLOWING TRAFFIC CONTROL TASKS:** 

- 1. DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.
- 2. DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC, OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).

IN ADDITION TO THE REQUIREMENT OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHOULD BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS AS APPROVED BY THE ENGINEER:

1. FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP).

IN GENERAL, LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION OR AT THE POINT OF ROAD CLOSURE, AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS IN WORK ZONES.

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS. THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

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.

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. ONCE THE LEO HAS COMPLETED THE DUTIES DESCRIBED ABOVE AND STILL HAS TIME REMAINING ON HIS/HER SHIFT, THE LEO MAY BE ASKED TO PATROL THROUGH THE WORK ZONE (WITH FLASHING LIGHTS OFF) OR BE PLACED AT A LOCATION TO DETER MOTORISTS FROM SPEEDING. 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 WHICH 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 500 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 AN LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614 - LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

# **WORK ZONE SPEED ZONES (WZSZs)**

THE FOLLOWING WORK ZONE SPEED ZONE (WZSZ) SPEED LIMIT REVISION(S) HAVE BEEN APPROVED FOR USE ON THIS PROJECT REVISION(S) HAVE BEEN APPROVED FOR USE ON THIS PROJECT WHEN WORK ZONE CONDITIONS AND FACTORS ARE MET AS DESCRIBED BELOW:

WZSZ REVISION NUMBER(S) COUNTY-ROUTE-SECTION(S) DIRECTION(S)

POTENTIAL WZSZ LOCATIONS SHALL HAVE AN ORIGINAL (PRECONSTRUCTION) POSTED SPEED LIMIT OF 55 MPH OR GREATER, CONSTRUCTION) POSTED SPEED LIMIT OF 55 MPH OR GREATER, A QUALIFYING WORK ZONE CONDITION OF AT LEAST 0.5 MILE IN LENGTH, AN EXPECTED WORK DURATION OF AT LEAST THREE HOURS, AND A WORK ZONE CONDITION IN PLACE THAT REDUCES THE EXISTING FUNCTIONALITY OF THE TRAVEL LANES OR SHOULDERS (I.E., LANE CLOSURE, LANE SHIFT, CROSSOVER, CONTRAFLOW AND/OR SHOULDER CLOSURE). THE LENGTH OF THE WORK ZONE CONDITION IS MEASURED FROM THE BEGINNING OF THE TAPER FOR THE SUBJECT WORK ZONE CONDITION IMPACTING THE TRAVEL LANES AND/OR SHOULDER TO THE END OF THE DOWNSTREAM TAPER, WHERE DRIVERS ARE RETURNED TO TYPICAL ALIGNMENT. AN EXPECTED WORK DURATION OF AT LEAST THREE HOURS IS REQUIRED TO BALANCE THE ADDITIONAL EXPOSURE CREATED BY INSTALLING AND REMOVING WZSZ SIGNING WITH THE TIME NEEDED TO COMPLETE THE WORK.

IF THE WORK ZONE MEETS THESE MINIMUM CRITERIA, IT SHALL BE ANALYZED FURTHER USING TABLE 1 BELOW TO DETERMINE IF AND WHEN IT QUALIFIES FOR A SPEED LIMIT REDUCTION. DEPENDING ON THE ORIGINAL POSTED SPEED LIMIT, THE TYPE OF TEMPORARY TRAFFIC CONTROL USED, AND WHETHER OR NOT WORKERS ARE PRESENT, A WARRANTED WZSZ WILL VARY IN THE APPROVED SPEED LIMIT TO BE POSTED OVER TIME.

C&MS ITEM 614, PARAGRAPH 614.02(B), INDICATES THAT TWO DIRECTIONS OF A DIVIDED HIGHWAY ARE CONSIDERED SEPARATE HIGHWAY SECTIONS. THEREFORE, IF THE WORK ON A MULTI-LANE DIVIDED HIGHWAY IS LIMITED TO ONLY ONE DIRECTION, A SPEED LIMIT REDUCTION IN THE DIRECTION OF THE WORK DOES NOT AUTOMATICALLY CONSTITUTE A SPEED LIMIT REDUCTION IN THE OPPOSITE DIRECTION. EACH DIRECTION SHALL BE ANALYZED INDEPENDENTLY FROM EACH OTHER.

ALL WZSZS FLUCTUATE BETWEEN TWO APPROVED REDUCED SPEED LIMITS OR BETWEEN AN APPROVED REDUCED SPEED LIMIT AND THE ORIGINAL POSTED SPEED LIMIT. ONLY ONE OF TWO SIGNING STRATEGIES SHALL BE USED TO IMPLEMENT A WZSZ.

[WZSZS USING DSL SIGN ASSEMBLIES SHALL BE IN ACCORDANCE WITH THIS NOTE, APPROVED LIST, SUPPLEMENTAL SPECIFICATIONS (SS) 808 AND 908, AND TRAFFIC SCD MT-104.10.1

ONLY ONE WARRANTED SPEED LIMIT APPLIES AT ANY ONE TIME; SPEED LIMIT REDUCTIONS ARE NOT CUMULATIVE. WZSZS SHALL NOT BE USED FOR MOVING/MOBILE ACTIVITIES, AS DEFINED IN OMUTCD PART 6.

WHEN LOOKING UP THE WARRANTED WORK ZONE SPEED LIMITS, ALWAYS USE THE ORIGINAL, PRECONSTRUCTION, POSTED SPEED LIMIT. DO NOT USE A PRIOR OR CURRENT WORK ZONE SPEED LIMIT AS A LOOK UP VALUE IN THE TABLE. POSITIVE PROTECTION IS GENERALLY REGARDED AS PORTABLE BARRIER OR OTHER RIGID BARRIER IN USE ALONG THE WORK AREA WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WITHOUT POSITIVE PROTECTION IS GENERALLY REGARDED AS USING DRUMS, CONES, SHADOW VEHICLE, ETC., ALONG THE WORK AREA WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WORKERS ARE CONSIDERED AS BEING PRESENT WHEN ON-SITE. WORKING WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WHEN THE WORK ZONE CONDITION REDUCING THE EXISTING FUNCTIONALITY OF THE TRAVEL LANES OR SHOULDERS IS REMOVED, THE SPEED LIMIT DISPLAYED SHALL RETURN TO THE ORIGINAL POSTED SPEED LIMIT.

TABLE 1: WARRANTED WORK ZONE SPEED LIMITS (MPH) FOR WORK ZONES ON HIGH-SPEED (55 MPH OR GREATER) MULTI-LANE HIGHWAYS

ORIGINA POSTEL		WITH PO		WITHOUT PROTE	
SPEED LIMIT		WORKERS PRESENT	WORKERS NOT PRESENT	WORKERS PRESENT	WORKERS NOT PRESENT
70		60	<i>65</i>	55	65
65		55	60	50	60
60		55	60	50	60
55		50	55	45	55

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY.

[ITEM 808, DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY 4 EACH]

[ASSUMING 4 DSL SIGN ASSEMBLY(IES) FOR 2 MONTH(S)]

ESIGN AGENCY



ESIGNER REVIEWER

TAG 01/30/23 ROJECT ID 110414

P.8 79

GRAND PART SHEET NUM. ITEM SEE DESCRIPTION ITEM SHEET UNIT EXT TOTAL NO. 01/NHS/14 STRUCTURE REPAIR (LIC-16-21.42 or 4500962) PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (MAIN MEMBERS) 202 1,734 1,734 11401 500 PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (SECONDARY MEMBERS) 202 11401 202 23000 33 PAVEMENT REMOVED 202 98000 REMOVAL MISC.: BEAM SEAT DEBRIS LS REMOVAL MISC .: PORTIONS OF PARAPET REMOVED 202 98500 10 CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN 10 511 34451 10 511 53012 10 CLASS QC2 CONCRETE, MISC.: ACCELERATING ADMIXTURE 10201 1,388 STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN *513* STRUCTURAL STEEL, MISC.: REPAIR OF DAMAGED MAIN MEMBERS, COMPLETE PENETRATION WELDING *513* 95000 95000 FT STRUCTURAL STEEL, MISC.: REPAIR OF DAMAGED SECONDARY MEMBER, FILLET WELDING *513* 15 <del>11/511</del> 95030 STRUCTURAL STEEL, MISC.: REPAIR OF DAMAGED MEMBERS, COPE HOLES *513* FIELD PAINTING, MISC.: MAIN AND SECONDARY MEMBERS 27700 151 514 151 STRUCTURAL JOINT OR JOINT SEALER, MISC.: EMSEAL (3" BEJS) 14600 75 516 JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN 516 47001 LS 7 ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC, AS PER PLAN 32205 57 601 **SUMMARY** STRUCTURE REPAIR (LIC-16-21.68 or 4501020) EXCAVATION, AS PER PLAN 203 10001 12500 SCUPPER, MISC.: 6" CONDUIT 5 & 7 518 EACH GENERAL 64 SPECIAL 51911600 64 PATCHING CONCRETE STRUCTURE, VERTICOAT 601 20000 CRUSHED AGGREGATE SLOPE PROTECTION STRUCTURE REPAIR (LIC-16-22.34 or 4501179) 203 EXCAVATION. AS PER PLAN 10001 12500 EACH SCUPPER, MISC.: 6" CONDUIT 518 5 & 7 20000 CRUSHED AGGREGATE SLOPE PROTECTION 601 STRUCTURE REPAIR (LIC-16-20.38 or 4504410) 202 PORTIONS OF STRUCTURE REMOVED, AS PER PLAN, (SUBSTRUCTURE) 11201 LS CONCRETE SLOPE PROTECTION REMOVED 202 32800 121 SY 98500 REMOVAL MISC .: PORTIONS OF PARAPET REMOVED 9 EPOXY COATED STEEL REINFORCEMENT 9,012 10000 9,012 509 LB 352 10001 *352* DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN 510 CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN 34451 CLASS QC2 CONCRETE, MISC.: WITH EARLY STRENGTH PUMPED SELF CONSOLIDATING CONCRETE 53012 45 511 45 CY3 & 4 " PREFORMED EXPANSION JOINT FILLER, AS PER PLAN 13601 13 13 516 ESIGN AGENCY 96 21000 96 CONCRETE SLOPE PROTECTION STRUCTURE REPAIR (LIC-79-13.78 or 4504429) REMOVAL MISC .: PORTIONS OF PARAPET REMOVED 98500 202 10 10 ESIGNER CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN 511 34451 10 79 REVIEWER JOINT SEALER, AS PER PLAN (A) 31001 516 16/ TAG 01/30/23 ROJECT ID 11101 PATCHING CONCRETE STRUCTURE, AS PER PLAN 519 110414 P.11 79 CURB, MISC.: REMOVED AND REPLACED 98000 609

SHEET NUM.				PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	
		0.08		0.08	646 646	10200 10300	0.08	FT	TRAFFIC CONTROL  CENTER LINE CHANNELIZING LINE, 8"		
		1		1	646 646	20300 20410	1		LANE ARROW  WORD ON PAVEMENT, 96"  MAINTENANCE OF TRAFFIC		
				500 6	614 614	11110 18601	500 6	SNMT	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	9	
				8	808	18700	8	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY	8	}
						110.00			INCIDENTALS		
				LS LS	614 624	11000	LS LS		MAINTAINING TRAFFIC  MOBILIZATION		
											ARY 4
											SUMM
											7
											GENER,
											5
											DESIGN AGENCY
											DESIGNER  TDF  REVIEWER  TAC 01/20/22
_											TAG 01/30/23 PROJECT ID 110414
											SHEET TOTAL P.13 79

