IF A LEAD TAP IS EITHER DAMAGED DURING CONSTRUCTION OR IS PART OF A PLANNED WATER TAP RELOCATION/REPLACEMENT, THE CONTRACTOR SHALL TAKE THE FOLLOWING STEPS:

- 1. IF DAMAGED, IMMEDIATELY CONTACT LEW FLEMISTER, DIVISION OF WATER, (614-645-7028), TO REQUEST THE SHUT OFF OF THE EXISTING CURB STOP. IF LEW CANNOT BE REACHED, CONTACT THE DIVISION OF WATER DISTRIBUTION ENGINEERING OFFICE AT 614-645-7677 TO REQUEST THE SHUT OFF
- 2. CONTRACTOR SHALL EXPOSE THE OWNER'S SIDE OF THE WATER SERVICE TO CONFIRM THE MATERIAL. THE INSPECTOR SHALL BE PRESENT FOR THIS.
- 3. IF THE CUSTOMER'S PRIVATE SERVICE MATERIAL IS LEAD, STOP WORK AND NOTIFY THE DIVISION OF WATER DISTRIBUTION ENGINEERING OFFICE (614-645-7677) IMMEDIATELY. IF THE MATERIAL IS NOT LEAD, THE CONTRACTOR SHALL REPLACE THE LEAD TAP (FROM EXISTING CORPORATION STOP TO CURB STOP) AND REINSTATE SERVICE TO THE CUSTOMER. PARTIAL REPAIRS OF THE LEAD TAP ARE NOT PERMITTED.
- 4. REFER TO DIVISION OF WATER STANDARD DRAWINGS L-7102C AND L-9901 FOR INFORMATION ON WATER TAP RELOCATIONS, PLACING NEW CURB STOPS, AND RELOCATING CURB BOXES.

ITEM SPECIAL - FILL AND PLUG EXISTING CONDUIT

THIS ITEM CONSISTS OF THE CONSTRUCTION OF BULKHEADS IN AN EXISTING 15 INCH DIAMETER CONDUIT AND FILLING THE AREA SEALED OFF WITH ITEM 613, SAND OR OTHER MATERIAL APPROVED BY THE ENGINEER.

LOCATE THE BULKHEADS AT THE LIMITS OF THE AREA TO BE FILLED, AS INDICATED ON THE PLANS. THE BULKHEADS CONSIST OF BRICK OR CONCRETE MASONRY WITH A MINIMUM THICKNESS OF 12 INCHES.

PUMP THE FILL MATERIAL INTO PLACE OR BY OTHER MEANS APPROVED BY THE ENGINEER, SO THAT AFTER SETTLEMENT, AT LEAST 90 PERCENT OF THE CROSS-SECTIONAL AREA OF THE CONDUIT, FOR ITS ENTIRE LENGTH IS FILLED. THE LENGTH OF FILLED AND PLUGGED CONDUIT TO BE PAID FOR IS THE ACTUAL NUMBER OF FEET (MEASURED ALONG THE CENTERLINE OF EACH CONDUIT FROM OUTER FACE TO OUTER FACE OF BULKHEADS) FILLED AND PLUGGED AS DESCRIBED ABOVE.

IN LIEU OF FILLING AND PLUGGING THE EXISTING CONDUIT, THE PIPE MAY BE CRUSHED AND BACKFILLED PER 203, OR IT MAY BE REMOVED. THE LENGTH, MEASURED AS PROVIDED ABOVE, WILL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR, ITEM SPECIAL, FILL AND PLUG EXISTING CONDUIT. ITEM 618 - RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE). AS PER PLAN

THE CONTRACTOR SHALL MILL 2 INCHES BY 2 FEET WIDE OF THE EXISTING ASPHALT SHOULDER IN ORDER TO REMOVE THE EXISTING RUMBLE STRIPS WITHIN THE PROJECT LIMITS IN THE AREA WHERE TRAFFIC IS SHIFTED. THE CONTRACTOR SHALL THEN COAT ALL MILLED SURFACES HORIZONTAL AND VERTICAL WITH APPROVED AC LIQUID. NEXT THE CONTRACTOR SHALL PLACE 2 INCHES OF ITEM 448 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG 64-28.

ONCE THE PROJECT IS COMPLETE, THE CONTRACTOR SHALL INSTALL NEW RUMBLE STRIPS AS PER THE CONSTRUCTION AND MATERIAL SPECIFICATIONS SECTION 618.

ALL COST ASSOCIATED WITH THE REMOVAL OF THE EXISTING PAVEMENT, PLACEMENT OF THE SURFACE COURSE AND INSTALLATION OF THE RUMBLE STRIPS SHALL BE INCLUDED IN UNIT PRICE BID PER FOOT OF ITEM 618 - RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE). AS PER PLAN.

AN ESTIMATED QUANTITY OF 9190 FEET HAS BEEN CARRIED TO THE MAINTENANCE OF TRAFFIC SUBSUMMARY.

COORDINATION BETWEEN CONTRACTORS

THE CONTRACTOR SHALL COORDINATE WORK ON THIS PROJECT WITH ADJACENT CONSTRUCTION PROJECTS, INCLUDING PID 105839 SPOT PAVE WORK, WHILE THIS PROJECT IS UNDER CONSTRUCTION.

PAVEMENT CUTTING, SAWING, AND EXCAVATION OPERATIONS NOTE:

ALL PUBLIC AGENCIES AND PRIVATE CONTRACTORS
PERFORMING PAVEMENT-CUTTING OPERATIONS ON CITY OF
COLUMBUS STREETS AND ROADWAYS SHALL PROTECT THE
ENVIRONMENT FROM DISCHARGES CREATED BY THEIR
PAVEMENT CUTTING OPERATIONS. NOTE THAT COLUMBUS
CITY CODE 1145 PROHIBITS NON-STORM WATER DISCHARGE
INTO THE CITY OF COLUMBUS SEWER SYSTEM, CURB INLETS
AND ANY PART OF ITS MS4 (MUNICIPAL SEPARATE STORM
SEWER SYSTEM).

THE REQUIREMENT INCLUDES BUT IS NOT LIMITED TO WET OR DRY SAW-CUTTING, JACK HAMMERING, EXCAVATION EQUIPMENT USE, ETC. THE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR WORK CREWS SHALL RECOVER AND DISPOSE OF DETRITUS, POLLUTED WATERS, OR OTHER SUCH DISCHARGES RESULTING FROM THEIR PAVEMENT CUTTING OPERATIONS AND PROTECT ALL STORM SEWER INLETS FROM RECEIVING ANY DISCHARGES FROM THE CONSTRUCTION OPERATIONS. THE AGENCY OR CONTRACTOR RESPONSIBLE FOR EACH PAVEMENT CUTTING ACTIVITY SHALL BE SOLELY LIABLE FOR NOTICE OF VIOLATIONS (NOV/S) AND FINES ISSUED BY CITY OF COLUMBUS AND/OR STATE OF OHIO AUTHORITIES.

EQUIPMENT, MATERIALS AND METHODS SHALL BE PROVIDED BY THE RESPONSIBLE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR TO WORK CREWS PERFORMING THE PAVEMENT CUTTING ACTIVITY AND MADE AVAILABLE TO WORK CREWS FOR USE IN CLEANING UP DISCHARGES RESULTING FROM SUCH CUTTING ACTIVITIES AND PREVENTING RUNOFF. ALL WORK CREWS SHALL BE TRAINED TO EXERCISE AND EMPLOY EQUIPMENT, MATERIALS, AND ENVIRONMENTAL PROTECTIVE MEASURES TO PREVENT POLLUTED DISCHARGES FROM ENTERING THE CITY OF COLUMBUS STORM SEWER SYSTEM AND WATERS OF THE STATE OF OHIO.

THE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING THAT THE INLET PROTECTION IS ADEQUATE. THE MOST STRINGENT PROJECT PLANS, NOTES AND/OR DRAWINGS INCLUDING STORMWATER POLLUTION PREVENTION PLAN (SWP3) OR SPILL PREVENTION/REMEDIATION PLAN SHALL APPLY TO ALL PAVEMENT CUTTING, SAWING OR EXCAVATION OPERATIONS.

NOTE TO SPECIFICATION WRITERS: IF SWP3 OR SPILL PREVENTION/REMEDIATION PLANS ARE INCLUDED IN CONTRACT DOCUMENTS, THEY SHOULD BE CITED IN THE LAST PARAGRAPH ABOVE BY VOLUME, PAGE OR SHEET NUMBERS; SO DIRECTING THE READER TO SUCH PLAN.

DELINEATION OF PORTABLE AND PERMANENT BARRIER

BARRIER REFLECTORS AND OBJECT MARKERS SHALL BE INSTALLED ON ALL PORTABLE BARRIER (PB) USED FOR TRAFFIC CONTROL AND ON PERMANENT CONCRETE BARRIER (INCLUDING BRIDGE PARAPETS) LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE.

BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THE SPACING SHALL BE AS PER TRAFFIC SCD MT-101.70. OBJECT MARKERS AND THEIR INSTALLATION SHALL CONFORM TO C&MS 614.03 AND SCD MT-101.70. WHEN THE PB CONTAINS GLARE SCREEN, ONE SET OF THREE VERTICAL STRIPES OF SHEETING SHALL BE CONSIDERED EQUIVALENT TO AN OBJECT MARKER, ONE-WAY.

INCREASED BARRIER DELINEATION, AS SPECIFIED HEREIN, SHALL BE INSTALLED ON ALL PB AND CONCRETE PERMANENT BARRIER LOCATED WITHIN 5 FEET OF THE EDGE OF THE TRAVELED LANE.

THE INCREASED BARRIER DELINEATION SHALL CONSIST OF THE TRIPLE STACKING OF WORK ZONE BARRIER REFLECTORS.

TRIPLE-STACKED BARRIER REFLECTORS SHALL CONSIST OF ALIGNING THREE BARRIER REFLECTORS VERTICALLY, AT LOCATIONS WHERE A SINGLE BARRIER REFLECTOR WOULD BE OTHERWISE ATTACHED. THERE SHALL BE NO OPEN SPACE BETWEEN THE ADJACENT BARRIER REFLECTORS. THE TRIPLE-STACKED BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THEY SHALL BE SPACED AND ALIGNED PER TRAFFIC SCD MT-101.70.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE PLANS AND CARRIED TO THE GENERAL SUMMARY:

ITEM 614, BARRIER REFLECTOR, TYPE B 739 EACH
ITEM 614. OBJECT MARKER. 1-WAY 329 EACH

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING EACH OF THE ABOVE ITEMS COORDINATION WITH ADJACENT PROJECTS

THE CONTRACTOR SHALL COORDINATE WORK WITH ODOT AND THE CONTRACTORS ON THE ADJACENT PROJECTS INCLUDING PID 110696. COORDINATION SHALL BE MADE TO PREVENT CONFLICTING ADVANCE WARNING SIGNS, CONFLICTING DETOUR ROUTES, OVERLAPING/CONFLICTING LANE CLOSURES, AND TO ENSURE THAT A MINIMUM DISTANCE OF 2 MILES BETWEEN ADJACENT LANE CLOSURES IS MAINTAINED. THIS IS NOT AN EXHAUSTIVE LIST OF COORDINATION ITEMS THAT MAY NEED TO BE RESOLVED BETWEEN PROJECTS. THE DEPARTMENT RESERVES THE RIGHT TO DECIDE WHICH PROJECT'S ACTIVITIES TAKE PRECEDENCE. PROJECTS THAT HAVE ACTIVITIES DELAYED DUE TO CONFLICTS WILL CONSIDER THIS AN EXCUSABLE, NON-COMPENSABLE DELAY PER 108.06.B. ON PROJECTS THAT HAVE ACTIVITIES DELAYED DUE TO CONFLICTS WHERE THE CONTRACTOR FAILED TO MEET THE NOTIFICATION REQUIREMENTS. THE DELAYS SHALL NOT BE CONSIDERED EXCUSABLE OR COMPENSABLE. ATTENDANCE AT DEPARTMENT ORDERED TRAFFIC COORDINATION MEETINGS BETWEEN ADJACENT PROJECTS SHALL BE CONSIDERED MANDATORY FOR EACH PROJECT'S SUPERINTENDENT AND WORKSITE TRAFFIC SUPERVISOR (WTS)*. AND INCIDENTAL TO THE LUMP SUM MAINTENANCE OF TRAFFIC PAYMENT ITEM

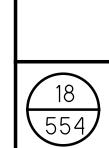
*IF REQUIRED BY THE PROJECT

ITEM 611 - CONDUIT, BORED OR JACKED, TYPE B, 15"

ITEM 611 - CONDUIT, BORED OR JACKED, TYPE B, 18"

ITEM 611 - CONDUIT BORED OR JACKED WHERE IT IS
SPECIFIED THAT A CONDUIT BE INSTALLED BY THE METHOD
OF BORING OR JACKING, NO TRENCH EXCAVATION IS
PERMITTED WITHIN 5 FEET OF THE (EDGE OF PAVEMENT)
(NEAREST RAIL). PROVIDE A STEEL CASING PIPE CONFORMING
TO 748.06. JOINTS WITH A CIRCUMFERENCIAL FULLY
PENETRATING BIJU4b WELD THAT IS PERFORMED BY A
CERTIFIED WELDER FOR WELDING CODE AMERICAN WELDING
SOCIETY (AWS) D1. 1 OR MACHINED INTERLOCKING JOINTS ARE
PERMITTED. THE INSTALLED CASING PIPE IS THE STORM
WATER CONVEYANCE CARRIER UNLESS OTHERWISE SPECIFIED
IN THE PLANS. HYDROSTATIC TESTING IS NOT REQUIRED FOR
THE CASING PIPE.





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WFFKLY MAINTENANCE OF TRAFFIC MEETING

AFTER THE INITIAL PRE-MAINTENANCE OF TRAFFIC MEETING. THE CONTRACTOR SHALL MEET WITH THE PROJECT ENGINEER ON A WEEKLY BASIS TO GO OVER A DETAILED MAINTENANCE OF TRAFFIC REPORT OF AT LEAST 7 CALENDAR DAYS. THIS MEETING SHOULD BE HELD ON THE SAME DAY AND TIME OF EACH WEEK.

THE CONTRACTOR WILL PROVIDE TO THE PROJECT ENGINEER A WRITTEN DETAIL OF THE INFORMATION REQUIRED BY THE NOTIFICATION OF TRAFFIC RESTRICTIONS NOTE PRIOR TO THE MEETING.

IN ADDITION TO THE DETAILED MAINTENANCE OF TRAFFIC REPORT THE CONTRACTOR SHALL GIVE A GENERAL LOOK AHEAD OF AN ADDITIONAL 2 WEEKS OF UPCOMING WORK ACTIVITES. THIS WILL INCLUDE ANY NOTIFICATION REQUIREMENTS FOR RESTRICTIONS THAT HAVE A DURATION GREATER THAN 12 HOURS.

PRE-MAINTENANCE OF TRAFFIC MEETING

A PRE-MAINTENANCE OF TRAFFIC MEETING SHALL BE HELD (MINIMUM 14 WORK DAYS) PRIOR TO WORK BEGINNING OR ANY CHANGE OF PHASING. THIS MEETING SHALL INCLUDE THE DISTRICT WORK ZONE TRAFFIC MANAGER (DO6.MOT@DOT.OHIO.GOV) AS WELL AS THE CONTRACTOR AND ANY OF HIS SUB-CONTRACTORS INVOLVED WITH TEMPORARY TRAFFIC CONTROL. FOR COLUMBUS SECTIONS OF ROADWAY. ALSO INCLUDE THE TEMPORARY CONTROL COORDINATOR (614-645-6269 OR 614-645-5845) FROM THE CITY OF COLUMBUS TRANSPORTATION DIVISION.

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



ITEM 614. WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN

WORK ZONE RAISED PAVEMENT MARKERS. AS PER PLAN. AND THEIR INSTALLATION SHALL CONFORM TO C&MS 614 OR C&MS 621 AS SPECIFIED HEREIN.

RAISED PAVEMENT MARKERS IN USE DURING THE SNOW-PLOWING SEASON SHALL CONFORM TO 621. RAISED PAVEMENT MARKERS IN USE DURING THE NON-SNOW-PLOW SEASON SHALL CONFORM TO EITHER 614 OR TO 621.

THE SNOW-PLOWING SEASON SHALL RUN FROM NOVEMBER THROUGH APRIL. 4

IF PROJECT DELAYS, NOT THE FAULT OF ODOT, CAUSE THE WORK TO EXTEND INTO THE SNOW-PLOWING SEASON, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING WORK ZONE RAISED PAVEMENT MARKERS (WZRPMS) CONFORMING TO C&MS 614. WITH RAISED PAVEMENT MARKERS CONFORMING TO 621, AS DETERMINED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

THIS ITEM SHALL INCLUDE PURCHASE, INSTALLATION AND REMOVAL OF ITEM 614 WORK ZONE RAISED PAVEMENT MARKER. AS PER PLAN, INCLUDING FILLING OF ANY DEPRESSIONS CREATED IN THE PAVEMENT AS PER C&MS 621.08.

RESURFACING OF THE TRANSITION AREAS SHALL BE PERFORMED AT THE TIME THAT THE SURFACE COURSE IS BEING APPLIED TO THE ENTIRE PROJECT. PRIOR TO APPLICATION OF THE SURFACE COURSE ON THE PROJECT, THE EXISTING PAVEMENT WITHIN THE TRANSITION AREA SHALL BE REMOVED TO A DEPTH NECESSARY TO REACH THE LEVEL OF THE INTERMEDIATE COURSE OF THE PAVEMENT, AS DETERMINED BY THE ENGINEER.

THE FOLLOWING BID ITEMS SHOULD BE INCLUDED IN THE PLANS:

ITEM 254 PAVEMENT PLANING, ASPHALT CONCRETE 3200 SY)

ITEM 614 WORK ZONE RAISED PAVEMENT MARKER, AS PER 500 EACH)4 PLAN

PAYMENT FOR RESURFACING WITHIN THE TRANSITION AREA SHALL BE PAID FOR UNDER THE APPROPRIATE BID ITEMS FOR THE WORK REQUIRED, AS PROVIDED FOR IN THE PLANS.

ITEM 614, WORK ZONE IMPACT ATTENUATOR FOR 24" WIDE HAZARDS (BIDIRECTIONAL)

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING A NON-GATING IMPACT ATTENUATOR. FURNISH AN IMPACT
ATTENUATOR FROM THE OFFICE OF ROADWAY ENGINEERING'S APPROVED LIST FOR WORK ZONE IMPACT ATTENUATORS. FROM THE ROADWAY STANDARDS APPROVED PRODUCTS WEB PAGE.

INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS IN ACCORDANCE WITH THE (MANUFACTURER'S) SPECIFICATIONS.

THE CONTRACTOR SHALL REPAIR OR REPLACE A DAMAGED UNIT WITHIN 24 HOURS OF A DAMAGING IMPACT.

WHEN BIDIRECTIONAL DESIGNS ARE SPECIFIED. THE CONTRACTOR SHALL SUPPLY APPROPRIATE TRANSITIONS.

WHEN GATING IMPACT ATTENUATORS ARE DESIRED, THE CONTRACTOR SHALL SUBMIT DOCUMENTATION TO THE ENGINEER FOR ACCEPTANCE.

THE COST FOR THE ADDITIONAL BARRIER REQUIRED FOR A GATING IMPACT ATTENUATOR SHALL BE INCLUDED IN THE COST OF THE GATING IMPACT ATTENUATOR.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT AND MAINTAIN A COMPLETE AND FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED BACKUPS, TRANSITIONS, LEVELING PADS. HARDWARE AND GRADING. NOT SEPARATELY SPECIFIED. AS REQUIRED BY THE MANUFACTURER.

TRANSVERSE DRAINAGE CROSSINGS OF IR 270 AND US 23

BEFORE ANY ROADWAY CONSTRUCTION BEGINS THE CONTRACTOR SHALL CONSTRUCT THE TRANSVERSE DRAINAGE CROSSINGS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ADEQUATE DRAINAGE THROUGHOUT ALL PHASES OF CONSTRUCTION. THIS MAY REQUIRE CONSTRUCTION OF TEMPORARY CONDUITS AND/OR TEMPORARY DITCHING. TRAFFIC CONTROL DURING THIS OPERATION SHALL BE AS PER STANDARD DRAWING MT-97.10. ANY LANE RESTRICTIONS CAUSED BY THE TRANSVERSE DRAINAGE CROSSING WORK SHALL BE LIMITED TO BETWEEN THE HOURS OF 9:30 AM TO 3:30 PM TO MINIMIZE THE IMPACT ON TRAFFIC.

ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO COMPLETE THE ABOVE WORK SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614 UNLESS OTHERWISE NOTED IN THE PLANS.

PAVEMENT RESTORATION FOR PIPE INSTALLATIONS

THE FOLLOWING QUANTITY HAS BEEN PROVIDED FOR PAVEMENT RESTORATION FOLLOWING REMOVAL AND INSTALLATION OF PIPES UNDER ITEMS 203 AND 603.

ITEM 301 ASPHALT CONCRETE BASE, PG64-22 150 CY

THE ABOVE QUANTITY IS BASED ON A 301 THICKNESS OF 9 INCHES AND A PAVEMENT RESTORATION WIDTH THAT INCLUDES THE TRENCH WIDTH PLUS TWO FEET ON EACH SIDE OF THE TRENCH. THE TRENCH WIDTH IS ASSUMED TO EQUAL THE SPAN TIMES 1.25 PLUS ONE FOOT.

PROVIDE ANY MATERIALS USED OUTSIDE THE LIMITED STATED ABOVE AT NO ADDITIONAL COST.

TRAFFIC INCIDENT MANAGEMENT (TIM) DURING MOT

OHIO TIM IS OHIO'S TRAFFIC INCIDENT MANAGEMENT PROGRAM WHICH IS COMMITTED TO MAINTAINING THE SAFE AND EFFECTIVE FLOW OF TRAFFIC DURING EMERGENCIES AS TO PREVENT FURTHER DAMAGE, INJURY OR UNDUE DELAY OF THE MOTORING PUBLIC. IN ADDITION TO COMPLYING WITH THE PROVISION OF OMUTCD CHAPTER 61. CONTROL OF TRAFFIC THROUGH TRAFFIC INCIDENT MANAGEMENT AREAS. THE CONTRACTOR SHALL ACTIVELY PARTICIPATE IN TIM PLANNING AND IMPLEMENTATION AS OUTLINED BELOW.

- 1. SUPERINTENDENT SHALL IDENTIFY THE INDIVIDUAL PERSONS ON THE PROJECT WHO WILL, OR MAY NEED TO, PERFORM THE DUTIES HEREIN. AT A MINIMUM. INCLUDE THE SUPERINTENDENT, FOREMEN AND SUPERVISORS (OR EQUIVALENT) AS WELL AS THE WORKSITE TRAFFIC SUPERVISOR (WTS; IF APPLICABLE TO THE PROJECT). THESE INDIVIDUALLY IDENTIFIED PERSONS SHALL COLLECTIVELY BE KNOWN AS CONTRACTOR TRAFFIC INCIDENT MANAGEMENT (TIM) CONTACTS. NOTIFY THE PROJECT ENGINEER OF THE CONTRACTOR TIM CONTACTS (ALONG WITH CONTACT INFORMATION FOR EACH) AT OR BEFORE THE PRECONSTRUCTION MEETING.
- 2. SUPERINTENDENT SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY CONTRACTOR TIM CONTACT IS ADDED, REMOVED OR THE CONTACT INFORMATION CHANGES OVER THE COURSE OF THE PROJECT.
- 3. PRIOR THE FIRST DAY OF WORK IN THE FIELD, EACH CONTRACTOR TIM CONTACT ON THE PROJECT SHALL HAVE ATTENDED AND SUCCESSFULLY COMPLETED OHIO TIM TRAINING PROVIDED BY THE DEPARTMENT OR DESIGNEE. TRAINING INFORMATION CAN BE FOUND ONLINE.
- 4. SUPERINTENDENT. AT A MINIMUM. SHALL ATTEND AND ACTIVELY PARTICIPATE IN A DEPARTMENT SCHEDULED TIM MEETING BEFORE CONSTRUCTION WORK BEGINS AND BEFORE EACH PHASE CHANGE. THESE MEETINGS WILL RESULT IN A DEPARTMENT ISSUED PROJECT SPECIFIC TRAFFIC INCIDENT MANAGEMENT PLAN (TIMP). AT THE TIM MEETINGS THE ATTENDING CONTRACTOR TIM CONTACTS SHALL:
 - A. COLLABORATE WITH ODOT AND SAFETY FORCES;
- B. SHARE PROJECT SPECIFIC DETAILS THAT IMPACT TIM RESPONDERS: AND
- C. RECOMMEND WAYS TO INCORPORATE NECESSARY EMERGENCY ACCESS AND OTHER TIM ELEMENTS FOR TIM RESPONDERS GIVEN PROJECT SPECIFIC WORK BEING COMPLETED AND PROJECT SPECIFIC PHASING.
- 5. CONTRACTOR TIM CONTACTS SHALL IMPLEMENT COMPONENTS OF THE RESULTING TIMP (SUCH AS APPROVED EMERGENCY INGRESS/EGRESS POINTS. ETC). AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH 109.05.

- 6. CONTRACTOR TIM CONTACTS SHALL PERFORM, AT A MINIMUM, THE FOLLOWING FUNCTIONS WHEN AN INCIDENT/CRASH OCCURS:
- A. IF OBSERVED OR PRESENT WHEN OCCURS, CALL 911 AND THEN NOTIFY THE TRAFFIC MANAGEMENT CENTER (TMC) TO PROVIDE THE FOLLOWING:
 - I. LOCATION, INCLUDING MILEPOST NUMBER AND DIRECTION OF TRAVEL
 - II. NUMBER AND TYPE OF VEHICLES INVOLVED. IF KNOWN
 - III. ESTIMATED EXTENT OF DAMAGE OR INJURY, IF KNOWN
 - IV. ESTIMATED NUMBER OF PATIENTS INVOLVED, IF KNOWN
 - V. ANY POTENTIAL HAZARDOUS CONDITIONS, IF KNOWN VI.THE PLACARD NUMBER ON ANY HAZARDOUS MATERIALS PLACARD FROM A SAFE DISTANCE. IF APPLICABLE AND VISIBLE
 - B. FOLLOWING AN INCIDENT/CRASH:
 - I. INITIATE TRAFFIC MANAGEMENT/PROVIDE TEMPORARY TRAFFIC CONTROL AS INDICATED IN THE TIMP, AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH 109.05.
 - II. RECOMMEND ROADWAY REPAIR NEEDS.
 - III. PROVIDE REPAIR RESOURCES AND INITIATE REPAIRS, AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH 109.05.
 - IV. ATTEND AND PARTICIPATE IN AN AFTER ACTION REVIEW (AAR).

ALL COSTS, UNLESS OTHERWISE SPECIFIED, RESULTING FROM THE ABOVE REQUIREMENTS SHALL BE CONSIDERED TO BE INCLUDED IN THE LUMP SUM PRICE FOR ITEM 614, MAINTAINING TRAFFIC. FAILURE TO PERFORM THE REQUIREMENTS OF THIS PLAN NOTE WILL RESULT IN A DAILY FINE OF 2% OF ITEM 614, MAINTAINING TRAFFIC AND MAY RESULT IN ONE OR MORE CONTRACTOR TIM CONTACTS BEING REMOVED FROM THE LIST OF OHIO TIM TRAINED INDIVIDUALS (AT THE SOLE DISCRETION OF THE OHIO TIM EXECUTIVE COMMITTEE). IN THE EVENT AN INDIVIDUAL IS REMOVED FROM THE OHIO TIM TRAINED LIST. THE INDIVIDUAL WILL BE REMOVED FROM CONTRACTOR TIM CONTACT RESPONSIBILITIES ON ALL PROJECTS.

DELINEATION OF TEMPORARY AND PERMANENT GUARDRAIL

BARRIER REFLECTORS SHALL BE INSTALLED ON ALL TEMPORARY GUARDRAIL USED FOR TRAFFIC CONTROL: AND. ON ALL PERMANENT GUARDRAIL LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE. BARRIER REFLECTORS SHALL CONFORM TO C&MS 626 AND THE SPACING SHALL BE APPROXIMATELY 50 FEET.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE PLANS AND CARRIED TO THE GENERAL SUMMARY:

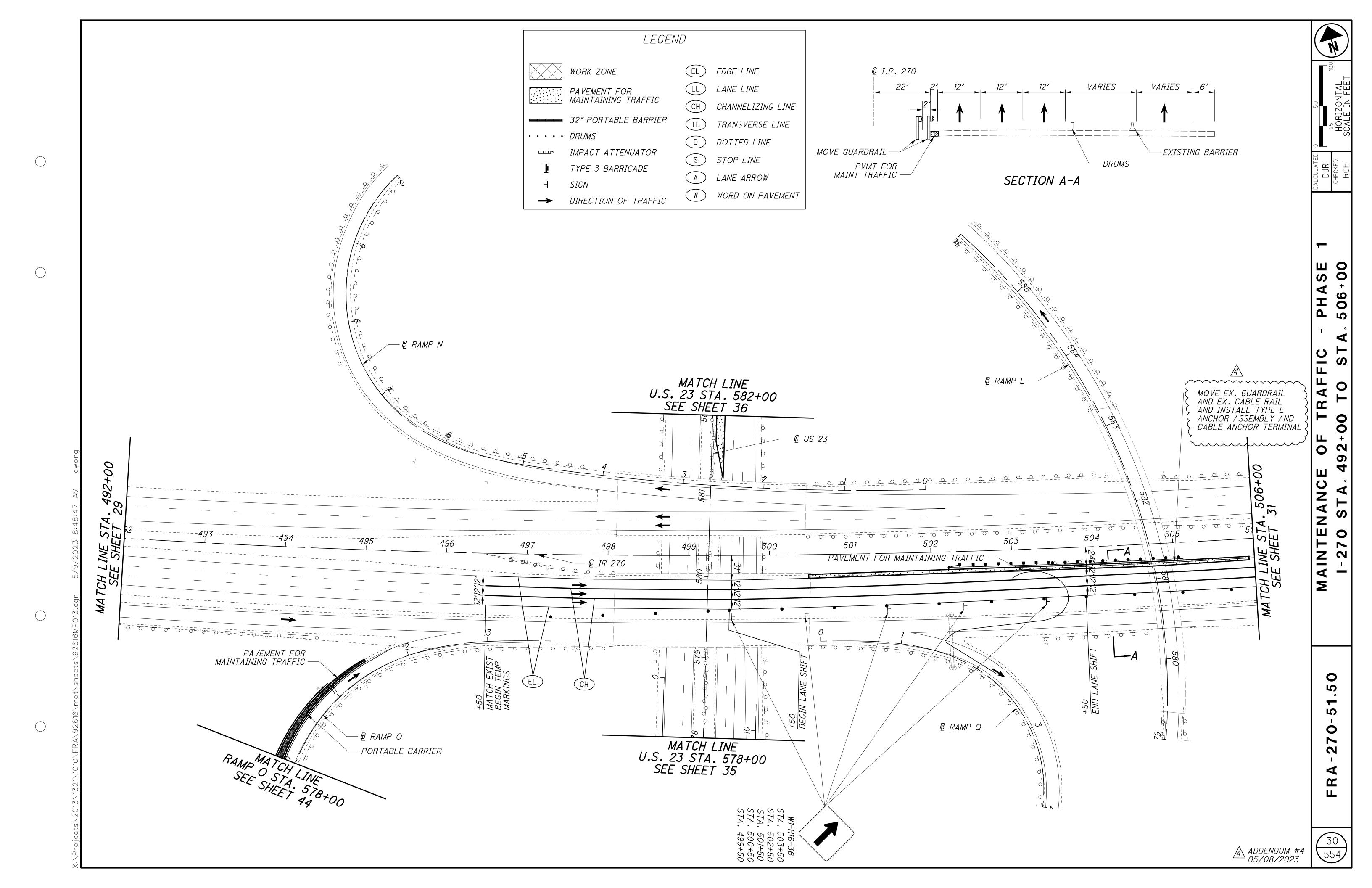
ITEM 614, BARRIER REFLECTOR, TYPE (2, 3, 4, OR 5) (ONE-WAY OR BI-DIRECTIONAL) *1 EACH*

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING THE ABOVE ITEM(S).

> ADDENDUM #4 05/08/2023



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							SHEET	T NUM.								PART.			ITEM	GRAND	() () ()	DECORIDATION	SEE	JLATED
15	16	17	23	38	85	86	87	88	89	90	91	94	324	487	OFFICE CALCS.	01/IMS/04 02/IMS/14	03/NHS/43	ITEM	EXT	TOTAL	UNIT	DESCRIPTION	SHEET N	
LUMP																LUMP		201	11000	LS		ROADWAY CLEARING AND GRUBBING		\exists
201111																20111				20				
					5,723	2,446										8,169		202 202	20010 23000	11 8,169	EACH SY	HEADWALL REMOVED PAVEMENT REMOVED		
					96	97										193		202	30700	193		CONCRETE BARRIER REMOVED		
					224	133	135									492		202	35100	492	FT	PIPE REMOVED, 24" AND UNDER		
					227	155	155									702				732	11	TITE NEMOVED, 24 AND UNDER		
			25		88 8,501	31 5,186	1,395									119 15,107		202 202	35200 38000	119 15,107	FT FT	PIPE REMOVED, OVER 24" GUARDRAIL REMOVED		_
			20		0,001	1	2									3		202	58100	3		CATCH BASIN REMOVED		
	0.000				130											130		SPECIAL	20270000	130		FILL AND PLUG EXISTING CONDUIT	18	
	2 , 600					1		<u> </u>								2,600		SPECIAL	20270110	2,600	FT	PIPE CLEANOUT, 24" AND UNDER	16	\dashv
	250															250		SPECIAL	20270120	250	FT	PIPE CLEANOUT, 27" TO 48"	16	
	1,500					400	147									1,500		SPECIAL	20270130	1,500		PIPE CLEANOUT OVER 48"	16	4
						489	147 1									636		202 202	75000 75610	636 1		FENCE REMOVED VALVE BOX REMOVED		\exists
						1	2									2		202	98100	2		REMOVAL MISC.:WOOD POST		
							40									40		202	98200	40	FT	REMOVAL MISC::CABLE GATE		\exists
		504				1				212			86,772			87,488		203	10000	87,488	CY	EXCAVATION		
													72,440			72,440		203	20000	72,440	CY	EMBANKMENT		
		504											1,986			1,986 504		203	20001 35141	1,986 504		EMBANKMENT, AS PER PLAN	18 17	_
		504														504		203	33141	504	CY	GRANULAR MATERIAL, TYPE E, AS PER PLAN		-
												8,736				8,736		204	10000	8,736		SUBGRADE COMPACTION		
						1						3,885 3,883		Q		3,885 3,883 9		204 204	13000 30010	3,885 3,892		EXCAVATION OF SUBGRADE GRANULAR MATERIAL, TYPE B		_
7												25		3		32		204	45000	32		PROOF ROLLING		
		2,276										8,736		2,471		11,012 2,471		204	50000	13,483		GEOTEXTILE FABRIC		
		756		1		1		1				8,736				9,492		204	51000	9,492	SY	GEOGRID		-
															1,192	1,192		206	10500	1,192	TON	CEMENT		
												<i>39,480 39,480</i>				<i>39,480</i> <i>39,480</i>		206 206	11000 15020	39,480 39,480		CURING COAT CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP		_
												33,400				LUMP		206	30000	13,400 LS		MIXTURE DESIGN FOR CHEMICALLY STABILIZED SOILS		
	0.2															0.2		209	60501	0.2	MILE	LINEAR GRADING, AS PER PLAN	16	
			25					15,523								15,548		606	15050	15,548	FT	GUARDRAIL, TYPE MGS		_
								100								100		606	15550	100		GUARDRAIL, BARRIER DESIGN, TYPE MGS		
			1			+		13 9								10		606 606	26150 26550	14		ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016) ANCHOR ASSEMBLY, MGS TYPE T		
			,					13								13		606	35102	13		MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2		
						1		2								2		606	60012	2	EACH	IMPACT ATTENUATOR, TYPE 1 (BIDIRECTIONAL)		
								2								2		606	60028	2	+	IMPACT ATTENUATOR, TYPE 2 (BIDIRECTIONAL), 55 MPH (36")		
						302	528									830		607	23000	830	FT	FENCE, TYPE CLT		4
						302	320	1								1		607	98000	1		FENCE, MISC.:GATE		
								1 337								1 337		622	10060	1 777	FT	CONCRETE BARRIER SINCLE SLOPE TYPE R		
						1	4	1		~~~						1		622	10200	1	EACH	CONCRETE BARRIER, SINGLE SLOPE, TYPE B BARRIER TRANSITION BARRIER REFLECTOR, TYPE 2 (ONE-WAY)		
								12								12		626	00110	12	EACH	BARRIER REFLECTOR, TYPE 2 (ONE-WAY)		
																LUMP		878	25000	LS		INSPECTION AND COMPACTION TESTING OF UNBOUND MATERIALS EROSION CONTROL		
									18	19					<u> </u>	37		601	11000	37		RIPRAP, TYPE D		
	10	_							700	_						10		601	21050	10		TIED CONCRETE BLOCK MAT, TYPE 1		
						1		-	322 78	71			-		1	322 149		601 601	21060 32000	322 149		TIED CONCRETE BLOCK MAT, TYPE 2 ROCK CHANNEL PROTECTION, TYPE A WITH FILTER		-
	10								6	6	5					27		601	32200	27		ROCK CHANNEL PROTECTION, TYPE C WITH FILTER		
	2					1		<u> </u>					-			2		659	00100	2	EACH	SOIL ANALYSIS TEST		\dashv
	5 , 574															5,574		659	00300	5,574	CY	TOPSOIL		十
	50 , 209 2 , 511															50,209		659 659	10000 14000	50,209		SEEDING AND MULCHING		
	2,511 2,511			<u> </u>		1		 	1		-		-	1		2,511 2,511		659 659	15000	2,511 2,511	SY	REPAIR SEEDING AND MULCHING 4\ADDENDUM # INTER-SEEDING 05/08/2023	4	\dashv

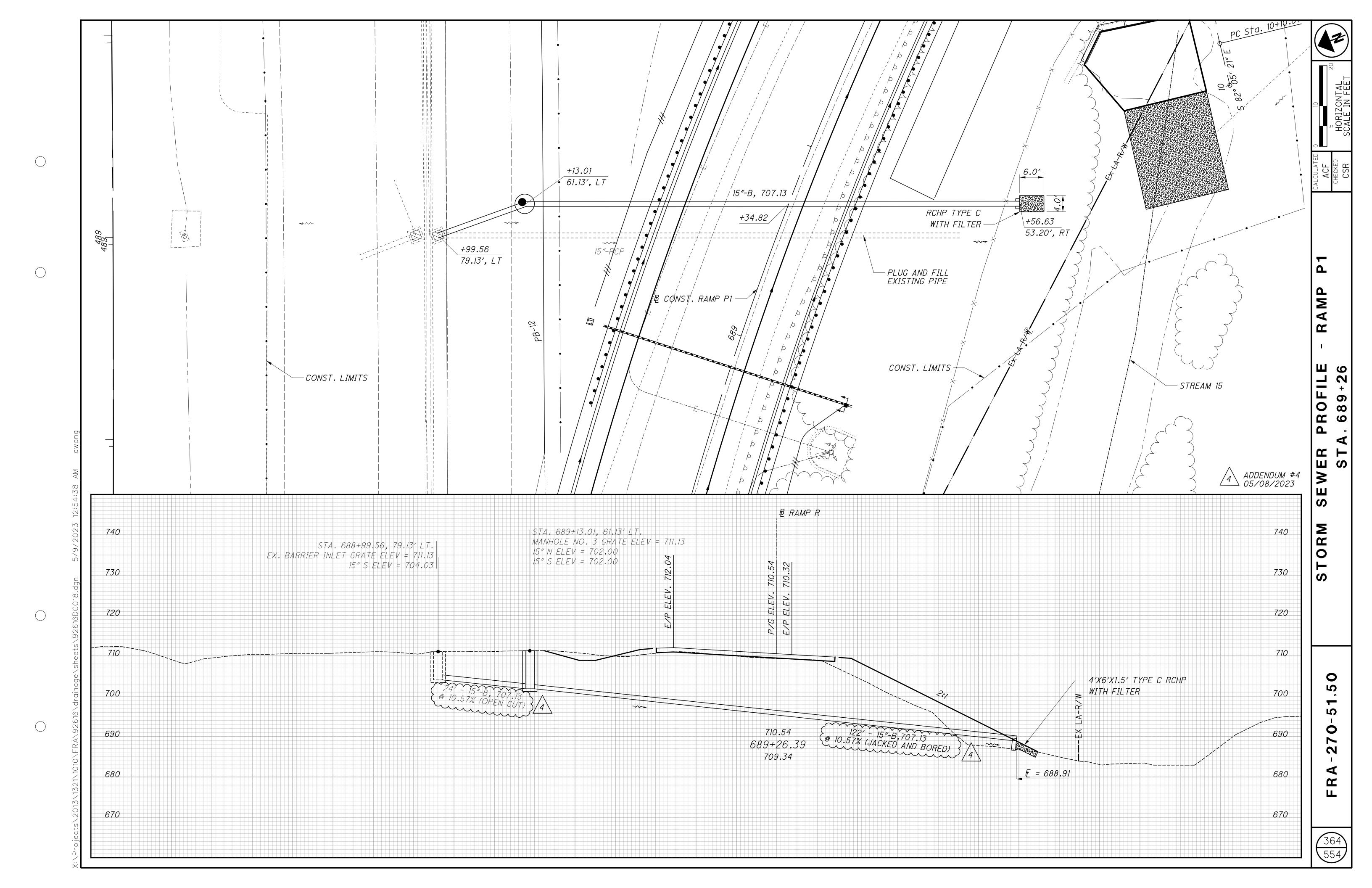
						SHEE 7	T NUM.						PART.		TTTM	ITEM	GRAND	LINITT	DECODIDATION	SEE =	CKED
	15	16	21	22	38	85	86	87	89	90	91	324 01/IMS/0	4 02/IMS/14	03/NHS/43	ITEM	EXT	TOTAL	UNIT	DESCRIPTION SHEE	ET NO.	CALCY
																			EROSION CONTROL		
		7.79 10.38										7.79 10.38			659 659	20000 31000	7.79 10.38	TON ACRE	COMMERCIAL FERTILIZER LIME		
		407										407			659	35000	407	MGAL	WATER		
		113										113			659	40000	113	MSF	MOWING		
												2,242			670	00700	2,242	SY	DITCH EROSION PROTECTION		
												·					·				
												47,045 47,045			670	00500	47,045	SY	SLOPE EROSION PROTECTION		
												LUMP			832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN		
												LUMP LUMP			832 832	15002 15010	LS LS		STORM WATER POLLUTION PREVENTION INSPECTIONS STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE		
												758,114			832	30000	758,114	EACH	EROSION CONTROL		
															070	10000	4.050	01/			
												1,850 245			836 836	10000 10020	1,850 245		SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1 SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 2		
												2.10					2.70		DRAINAGE		R
									73	12	2	87			602	20000	87	CY	CONCRETE MASONRY		A
									300			300			605	05200	300	FT	4" UNCLASSIFIED PIPE UNDERDRAINS		Σ
									11,235	7 , 566	13,893	32,694			605	06000	32,694	FT	4" BASE PIPE UNDERDRAINS		Σ
		<i>200 50</i>										200 50			605 605	13300 31100	200 50	FT FT	6" UNCLASSIFIED PIPE UNDERDRAINS AGGREGATE DRAINS		S
																one o		, ,	Algorite Britishe		
									90	55 2.005	134	279			611	00100	279	FT	4" CONDUIT, TYPE B		–
		200							243 36	2,995 34	268 165	3,506 435			611 611	00510 00900	3,506 435	FT FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS 6" CONDUIT, TYPE B		8
		100										100			611	01100	100	FT	6" CONDUIT, TYPE C		Ш
		200								56	36	292			611	01400	292	FT	6" CONDUIT, TYPE E		Z
		300								18		318			611	01500	318	FT	6" CONDUIT, TYPE F		9
0											89	89			611	04400	89	FT	12" CONDUIT, TYPE B, 706.02		
Ú ———									OF.	60	170	60			611 611	05700	60		15" CONDUIT, TYPE A 706.02, 707.01 ALUMINIZED, 707.04, 707.33 CPE SMOOTH LINED		
NA									95)/4\	170	265 24)/4\		611	05900 05901	265	4 FT	15" CONDUIT, TYPE B, AS PER PLAN, 707.13		
4																					
0:									81		80	80			611 611	06400 06700	80	FT FT	15" CONDUIT, TYPE D 15" CONDUIT, TYPE F, 707.05 TYPE C, 707.21, OR 707.33		
9 M									~~~	64		64			611		64	FT	18" CONDUIT, TYPE A, 706.02		
7.202									16	<u>/4\</u>		16)/4\		611	07400	16)/4\ FT	18" CONDUIT, TYPE B		
/6/9									95			95			611	13200	95				
										250		250			611	22200	250	FT	54" CONDUIT, TYPE A , 707.02(0.109) ALUMINIZED, 707.04 (0.064 POLYMERIC), 706.02 4		
р Д <u>а</u>									70	31		70			611	26000 30001	70	FT FT	30" CONDUIT, TYPE A 706.02, 707.01 ALUMINIZED, 707.04, 707.33 CPE SMOOTH LINED 54" CONDUIT, TYPE A , 707.02(0.109) ALUMINIZED, 707.04 (0.064 POLYMERIC), 706.02 72" CONDUIT, TYPE A, 706.02 96" CONDUIT, TYPE A, AS PER PLAN, 707.03 (0.249)		
001.									-~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		<i></i>			011 2		1		OU CONDOIT, THE A, ASTENTEAN, TOT.03 (0.243) JES		
1666								(287			287			611	96600	287	FT	CONDUIT, BORED OR JACKED, TYPE B, 18"		
926									122			122			611	96600	122		CONDUIT, BORED OR JACKED, TYPE B, 15"		
(\$10)									1			1			611	98180	1		CATCH BASIN, NO. 3A		
shee									1		2	2			611 611	98370 98410	2	EACH EACH	CATCH BASIN, NO. 6 CATCH BASIN, NO. 8		
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\									/		1	1			611	98470	1		CATCH BASIN, NO. 2-2B		0
y b c																					ر ا
9/2									1			1			611	98630	1	EACH	CATCH BASIN ADJUSTED TO GRADE		51
9261									,		1	1			611	99094	1		INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE B		0
X									3			3			611	99574	3	EACH	MANHOLE, NO. 3		<u> </u>
\ \ \ \		10							15	13	13	51			611	99654 99710	51	EACH EACH	MANHOLE ADJUSTED TO GRADE PRECAST REINFORCED CONCRETE OUTLET		- 2
/101																					A
1321						2			2			2			611 611	99900 99900	2	EACH EACH	DRAINAGE STRUCTURE, MISC.: FLAP GATE REMOVED DRAINAGE STRUCTURE, MISC.: FLAP GATE, 72"		H R
)13/															<u> </u>			LAUT	DIATINAL STRUCTURE, WILSO, FLAT CATE, 12		
ts/2/										212		212			613	41200	212	CY	LOW STRENGTH MORTAR BACKFILL		
ject		_									200	200	1		839	29000	200	FT	TRENCH DRAIN, TYPE A, WITH STANDARD GRATE		78
Pro																			ADDENDUM #4 05/08/2023		554
<u></u>																			05/08/2023		<u> </u>

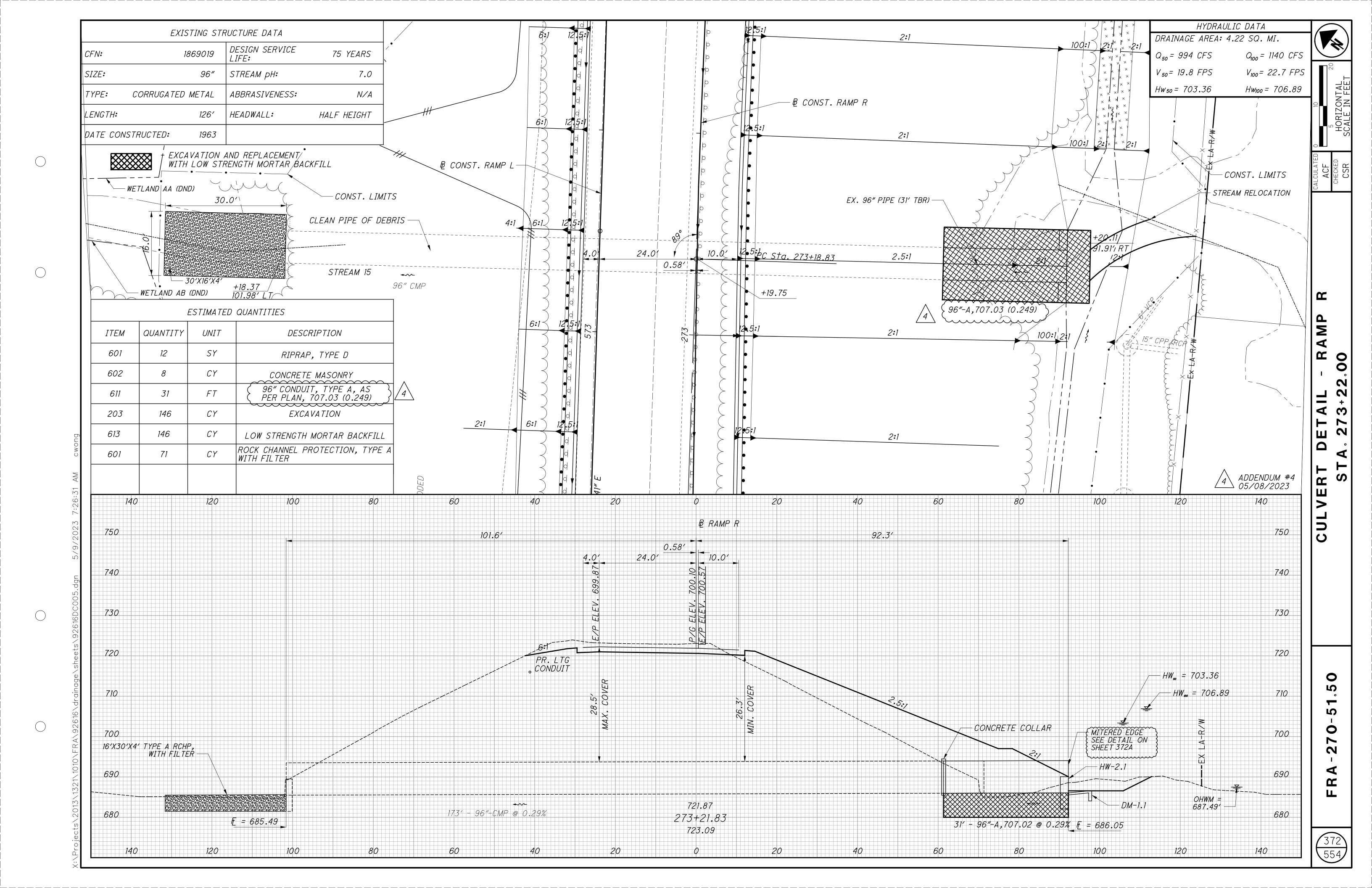
		<u></u>			S	HEET NUN	И.						PART.		TTTAA	ITEM	GRAND	LINITT	$D\Gamma CCDIDTION$	JLATED CF
16	22	22A	85	86	87	90	94	432	433	434	435	436	01/IMS/04 02/IMS/14	03/NHS/43	ITEM	EXT	TOTAL	UNIT	DESCRIPTION	CALCI
		s																		
) } 2,578	2 , 079	4,281								8,938		252	01500	8,938	FT	PAVEMENT FULL DEPTH PAVEMENT SAWING	
	14,400	3,200)				17,967						35,567		254	01000	35,567	A SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.25"	
							6,700						6,700		302	56000	6,700	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
							7,966						7,966		304	20000	7 , 966	CY	AGGREGATE BASE	
	720						4,323						5,043		407	20000	5,043	GAL	NON-TRACKING TACK COAT	
							1.4						1.4		4.41	50000	1.4	CV	ACRUALT CONCRETE CUREACE COURCE TYRE 1 (440) RCC4 22	
							14						14		441 441	50000 50300	14 17	_	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)	
7							11						7		441	70801	7	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TIPE 2, (449), (UNDER GUARDRAIL), AS PER PLAN	
'													,		771	10001	1		ASITIALI CONCILIL INTERIMEDIATE COORSE, THE 1, (TIO), CONDER COARDINATE, AS TER TEAM	
							2,731						2,731		442	00100	2,731	CY	ANTI-SEGREGATION EQUIPMENT	\dashv ,
	500												500		442	10000	500	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)	
							1,237						1,237		442	10000	1,237	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), 1.5"	
							211						211		442	10001	211		ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, 1.5", PG70-22M	
							703						703		442	10001	703	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, 1.5", PG76-22	
							1,527						1,527		442	10080	1,527	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446), 1.75"	
							1,434						1,434		452	13020	1,434	SY	9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1 WITH QC/QA	─ °
							4,606						4,606		452	14120	4,606	SY	11" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1 WITH QC/QA	
							8,280						8,280		452	15020	8,280	SY	12" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1 WITH QC/QA	
							6,676						6,676		452	16020	6,676	SY	13" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1 WITH QC/QA	
							100						100		609	26000	100	FT	CURB, TYPE 6	!
							100						100		009	20000	100	FI	COND, TIFE O	
			3,240	1,952	3,998								9,190		618	40101	9,190	FT	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE), AS PER PLAN	
			128	182									310		618	40200	310	FT	RUMBLE STRIPS, SHOULDER (CONCRETE)	
							1,935						1,935		875	10000	1,935	LB	LONGITUDINAL JOINT ADHESIVE	
																	,		WATER WORK	
																			WATER WORK	
				134									134		638	00600	134	FT	6" WATER MAIN DUCTILE IRON PIPE ANSI CLASS 52, PUSH-ON JOINTS AND FITTINGS (COC CMS ITEM 801)	
				1			 						1		638	07800	1	EACH	6" GATE VALVE AND VALVE BOX (COC CMS ITEM 802)	
				2									2		638	10200	2		6" FIRE HYDRANT (COC CMS ITEM 809)	
				2	1		† †						3		638	10700	3		FIRE HYDRANT REMOVED AND DISPOSED OF (COC CMS ITEM 809)	
				4									4		638	10800	4	EACH	VALVE BOX ADJUSTED TO GRADE (COC CMS ITEM 807)	
				1									1		638	11300	1	EACH 	1" AIR RELEASE VALVE ADJUSTED TO GRADE (COC CMS ITEM 807)	
				18									18		SPECIAL	63820788	18	FT	LOWER WATER SERVICE CONNECTION, 1"	
													LUMP		SPECIAL		LUMP	LS	SURVEY COORDINATES	
															0. 2027.2				LIGHTING	
															205			5.00		
							<u> </u>	7.0		7.0	6		6		625	00450	6		CONNECTION, FUSED PULL APART	
								30	5/	30	7		117		625	00460 10494	117	EACH	CONNECTION, UNFUSED PULL APART	\dashv
								1		1)		2		625 625	11200	3	EACH EACH	LIGHT POLE, LOW MAST, DESIGN ATLM50 LIGHT TOWER, BB100	— (
								1	1	1			3		625 625	13200	3	EACH	LIGHT TOWER, BBBB100	
								1	1	1			7		625	13204	7	EACH	LIGHT TOWER, BBBB110	
								10	10	7			27		625 625	13500	27		LIGHT TOWER, BEBENO LIGHT TOWER, MISC.: REFURBISH EXISTING LIGHT TOWER	
							1	10	10	,	.3		3		625	14200	.3		LIGHT POLE FOUNDATION, 24" X 10' DEEP	
								7	5	5			17		625	15300	17		LIGHT TOWER FOUNDATION, 36" X 30' DEEP	
								867	1,953	1,338			4,158		625	23200	4,158	FT	NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE	
											450		450		COF	27400	450	ГТ	NO 10 AWO DOLE AND DDAOVET CADLE	
								6,464	6 006	6,199	450 625		450 20,274		625 625	23400 24320	450 20, 274	FT FT	NO. 10 AWG POLE AND BRACKET CABLE	_
							+ +	200	6,986 247	6,199 176	023		623		625 625	24320 25500	20 , 274 623	FT	1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT CABLES CONDUIT, 3", 725.04 ADDENDUM #4	-
								200	118	110			228		625	25902	228	FT	CONDUIT, 3", 725.04 ADDENDUM #4 CONDUIT, JACKED OR DRILLED, 725.04, 3" 05/08/2023	\dashv $lacksquare$
							†		"			291	291		625	25910	291	FT	CONDUIT CLEANED AND CABLES REMOVED, 3"	
							1		1			1				1	1		<u> </u>	
	I	I					I .						1							• \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \

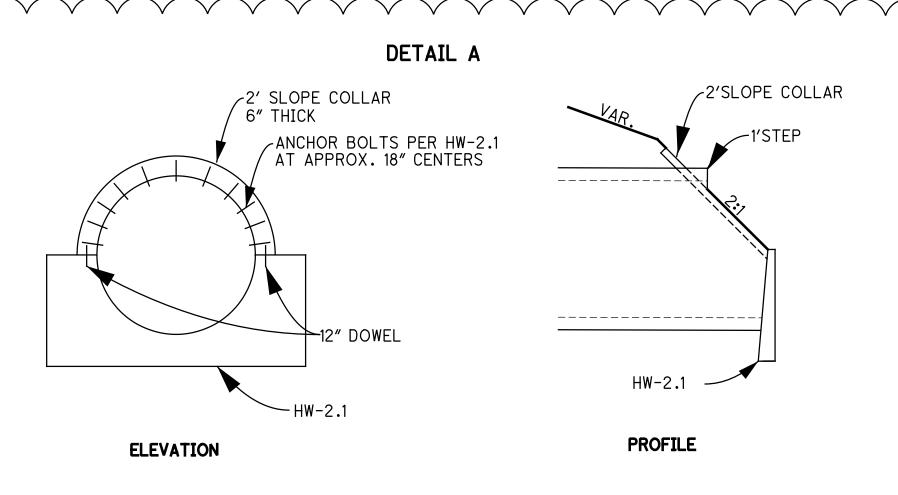
					S	SHEET NUM.			~~~		PART.		ITEM	ITEM	GRAND	UNIT	DESCRIPTION	ULATED ACF ECKED
	21	22	22A	23	38	509			OFFICE \ CALCS. \	01/IMS/04	02/IMS/14	03/NHS/43		EXT	TOTAL	OIVII		CALC A CHE
						8			•		8		516	44101	8		STRUCTURE REPAIR (FRA-270-5264, SFN 2513536) ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (LOAD PLATE 20" X 16" X 1.50", NEOPRENE 15" DIA. X 2.950")	
						4)))	4		516	44101	4	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (LOAD PLATE 28" X 19" X 1.50", NEOPRENE 20" X 18" X 3.850")	
						8)	8		516	44101	8	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (LOAD PLATE 25" X 25" X 1.50", NEOPRENE 24" DIA. X 4.975")	
						48					48		518	21200	48	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	
						456					456		SPECIAL	51900100	456	SF	COMPOSITE FIBER WRAP SYSTEM	
						98				}	98		519	11100	98	SF	PATCHING CONCRETE STRUCTURE	
						148) }	148		526	25010	148	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15")	
						58				<u> </u>	58		526	90030	58	FT	TYPE C INSTALLATION	
										}								
																	MAINTENANCE OF TRAFFIC	→
			150							150			301	46000	150	CY	ASPHALT CONCRETE BASE, PG64-22	
				122				}) } 122			611	04400	122		12" CONDUIT, TYPE B	Ξ
				2						2			611	98470	2	EACH	CATCH BASIN, NO. 2-2B	SU
		400								400			614	11110	400	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
				17) <i>15</i>	2		614	12384	17	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	H A
	LUMP									LUMP			614	12420	LS	5.00	DETOUR SIGNING	œ
	10							\longrightarrow) 10			614	12500	10	EACH	REPLACEMENT SIGN	$\parallel \parallel$
	100									100	<i>A</i>		614	12600	100	EACH	REPLACEMENT DRUM	
\Box	122	4	500	4,763						100 5,231) 32		614	12800	5 , 263		WORK ZONE RAISED PAVEMENT MARKER	一
0 0 0 0				739						681	58		614	13310	739	EACH	BARRIER REFLECTOR, TYPE 1, ONE-WAY	
<i>≶</i> ∪				321						309	12		614	13350	321		OBJECT MARKER, ONE WAY	
_	72									72			614	18601	72	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT A WORK ZONE LANE LINE, CLASS I, 4"	
\ \ \				0.00					<i>3.53</i>	3.53	0.00		614 4	20560 20000	3.53	MILE	WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT J Z4	
				0.08 15.54						15.31	0.02 0.23		614 614	22000	0.08 15.54		WORK ZONE LANE LINE, CLASS 1, 4" WORK ZONE EDGE LINE, CLASS 1, 4"	
: 2				55,082						55,082	0.23		614	23000	55,082		WORK ZONE CHANNELIZING LINE, CLASS I, 8"	
M				2,540				}	•	1,961	579		614	24000	2,540		WORK ZONE DOTTED LINE, CLASS I	
202				254					>	254			614	25000	<u>*</u>			
76								4	1.67	1.67			614 /4	<i>{ 22360</i>) 1.67	MILE	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT A WORK ZONE STOP LINE, CLASS I	
2/				112						112			614	26000	112			
				14 Q						14 8			614 614	30000 31640	14 8		WORK ZONE ARROW, CLASS I WORK ZONE WORD ON PAVEMENT, 96", CLASS I	
р 16р										0			014	31040	0	LACIT	WORK ZONE WORD ON TAVEMENT, 30, CLASS I	
000					LUMP					LUMP			615	10000	LS		ROADS FOR MAINTAINING TRAFFIC	
0 999				21,695				_		21,695			615	20000	21,695	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	_
9261			50	· · · · · · · · · · · · · · · · · · ·			\sim	~~~	~~~	50	· · · · · · · · · · · · · · · · · · ·		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	10000	50	MCA/	WATED	
ts/6		/4\						~~~		~~~~			~~~~~	10000	~~~~~	MUAL	WATER A CONTRACTOR OF THE CONT	
0 				15,930						15,350	580		622	41100	15,930		PORTABLE BARRIER, UNANCHORED	
Jw dy/																	INCIDENTALS	50
)/roac										LUMP			108	10000	LS		CPM PROGRESS SCHEDULE	1 5
/92616										LUMP			614	11000	LS		MAINTAINING TRAFFIC	
)\FRA`										24			619	16020	24	MNTH	FIELD OFFICE, TYPE C	-27
21/1016										LUMP			623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	H A
13/13/										LUMP			624	10000	LS		MOBILIZATION	╡┖
/201																		
ects																		84
Proj																	ADDENDUM #4 05/08/2023	554
/																	05/08/2023	

## 1		G-24 G-25 G-26 G-27	G23 B1	G21 G22 BI	B1 G19 G20	G17 G18	G16 F1	G13 G14 B1 G15	G11 G12	G9 G10	G6 G7 G8	G4 G5	G1 G2 G3		REF NO.	
Column C		189 189	304	301	268	229	228 229	226 226	220	205 205	204	175	106		SHEET NO	
SHILLING 1		549+08.41 549+90.66 548+91.18	814+47.72 I-270 EAST	798+76.29 799+25.63	RA 267+95.79 268+53.45	688+00.00 RAI	RAI 684+89.82 692+00.45	08+25.21 05+39.98	09+09.45 RA	590+53.42 590+49.58 RA	576+90.47 576+20.16	582+44.24 586+10.41	I-270 W 500+70.78		•	
2012 1		LERATION LANE	BOUND MERGE		MP R		MP P1		MP O	MP M	AMP L		VESTBOUND		STATION TO	
THE STATE OF THE S		550+17.63 551+00.00 550+18.57	815+80.00	803+62.50	579+35.50	694+73.37	695+74.46 692+00.68	11+79.36 08+25.21	15+83.47	598+29.31 594+38.86	588+20.20	586+65.17	504+25.05		STATION	
THE PERSON OF TH		RT/LT RT	LT	RT	LT	LT	RT RT	LT LT	LT	LT		LT	LT			
TO THE PROPERTY OF THE PROPERT		12.5 62.5	112.5				650.0	338	688	750 375	442	325	352		GUARDRAIL, TYPE MG	606
THE PRAY 270-5150														1 1	GUARDRAIL, BAI	606
THE PRE-270-6150 GUANDRAIL ESTIMATED DUANTITIES		1 1		1	1 1	1	1	1	1	1	1	,	1	LAUII	ANCHOR ASSEMBLY, MGS TYPE	606
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ITEM 611 96" CONDUIT, TYPE A, AS PER PLAN 707.03(0.249)

THE ABOVE CONDUIT SHALL BE MITER-CUT(STEP-BEVEL) TO FIT THE EMBANKMENT SLOPE. FOR THE DETAILS AND QUANTITIES FOR THE MITER-CUT(STEP-BEVEL) END SECTIONS, SEE SHEETS 78 AND 372, RESPECTIVELY.

THE MATERIAL USED FOR THE BEDDING AND BACKFILL IS LIMITED TO ITEM 603 GRANULAR MATERIAL TYPE 1. IT SHALL BE COMPACTED PER 603.081 METHOD A.

THE CONTRACTOR SHALL PROVIDE A MANUFACTURER'S REPRESENTATIVE WHO SHALL BE RESPONSIBLE FOR THE ERECTION OF THE CULVERT.

THE STRUCTURE SHALL BE EXTERNALLY COATED PER AASHTO M243.

THE CONTRACTOR SHALL PROVIDE A MANUFACTURER'S REPRESENTATIVE WHO SHALL THROUGH THE ENGINEER, INSPECT, TEST, REJECT, OR APPROVE THE FILL MATERIAL AND ITS PLACEMENT. THE REPRESENTATIVE SHALL ALSO MONITOR THE CONDUIT DURING ITS ASSEMBLY AND ERECTION TO MAKE CERTAIN THE STRUCTURE IS SYMMETRICAL AND PROPERLY SHAPED. THE REPRESENTATIVE SHALL ALSO MONITOR THE SHAPE FOR ANY DISTORTION OF THE THE CONDUIT DURING THE PLACING OF FILL TO ENSURE ANY MOVEMENT OR DISTORTION IS WITHIN THE MANUFACTURER'S TOLERANCE RANGE.

THE REPRESENTATIVE SHALL PROVIDE THE ENGINEER A WRITTEN INSPECTION REPORT, SIGNED BY A REGISTERED PROFESSIONAL ENGINEER, OF ALL TESTS, MEASUREMENTS, AND FINDINGS.

