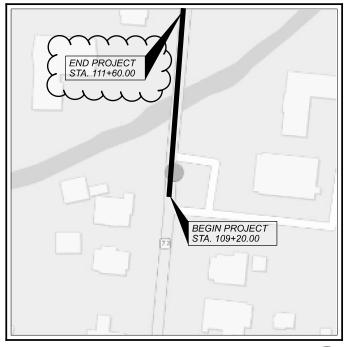
GRE-SR 72-07.7



LOCATION MAP

LATITUDE: 39°39'39.77"N LONGITUDE: 83°44'4.44"W



DESIGN DESIGNATION

CURRENT ADT (2025)	2,900
DESIGN YEAR ADT (2045)	3,200
DESIGN HOURLY VOLUME (2045)	400
DIRECTIONAL DISTRIBUTION	0.56
TRUCKS (24 HOUR B&C)	6.00%
DESIGN SPEED	35 MPH
LEGAL SPEED	35 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
RURAL MAJOR COLLECTOR	
NHS PROJECT	NO

DESIGN EXCEPTIONS

NONE

ADA DESIGN WAIVERS





STATE OF OHIO DEPARTMENT OF TRANSPORTATION

GRE-SR 72-07.71

VILLAGE OF JAMESTOWN ROSS AND SILVERCREEK TOWNSHIPS

GREENE COUNTY

INDEX OF SHEETS:

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STRUCTURES OVER 20' SPAN	26 - 50, SHEET 27 NOT USED
STRUCTURE FOUNDATION EXPLORATION	51 - 56

SUPPLEMENTAL STANDARD CONSTRUCTION DRAWINGS **SPECIFICATIONS PROVISIONS** BP-2.1 1/21/22 DM-1.1 7/19/24 ASRESTOS REPORT MT-101.60 4/21/23 BP-2 2 1/15/21 6/24/2024 4/20/12 7/20/18 MT-101.90 7/17/20 BP-3.1 1/19/24 HW-2.1 7/21/23 WATERWAY PERMI 7/20/18 MT-105.10 1/17/20 BP-4.1 7/19/13 HW-2.2 03/10/2023 4/17/15 MT-110.10 7/19/13 BP-5.1 7/15/22 1/21/22 SANITARY PERMIT 1/19/24 4/16/21 1/20/23 ГС-41.20 10/18/13 AS-1-15 4/20/12 AS-2-15 7/21/23 PCB-91 TC-42.20 10/18/13 7/17/20 4/17/20 TC-52.20 1/15/21 BR-2-15 1/21/22 RM-1.1 7/15/22 HL-50.21 1/15/21 7/18/08 SICD-2-14 CPA-1-08 SIGNED: DATE: 7/21/17 CPP-1-08 MOT SHEETS. 1/15/21

FEDERAL PROJECT NUMBER

E200(912)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

REPLACEMENT OF THE EXISTING BRIDGE GRE-72-0771 WHICH CARRIES SR 72 OVER CAESAR CREEK IN JAMESTOWN, OHIO.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: 0.30 ACRES ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.21 ACRES NOTICE OF INTENT EARTH DISTURBED AREA: N/A ACRES

NOI NOT REQUIRED, ROUTINE MAINTENANCE PROJECT

2023 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 REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON SHEET 9.

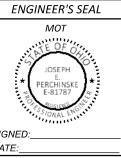
Tany K Comptell Tammy K. Campbell, P.E. District 08 Deputy Director

DIRECTOR, DEPARTMENT OF TRANSPORTATION



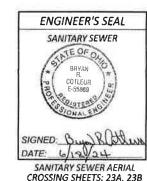
ROADWAY SHEETS: 1-7 AND 12-25

SPECIAL



SIGNED. DATE:

BRIDGE SHEETS:



ENGINEER'S SEAL

BRIDGE

JEFFREY

E-71480

AMA SR 01-31-22 113007

11+78.85 | 28.07' LT. | 607491.712 | 1620929.806

12+81.51 31.95' RT. 607588.532 1620998.854

TOTAL CARRIED TO GENERAL SUMMARY SHEET

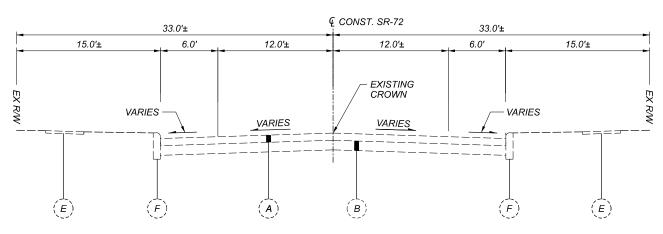
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SA 02/23/23 113007

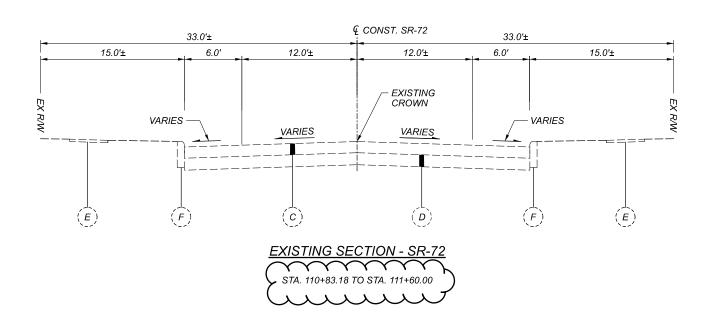
1/2-INCH REBAR WITH NO ID CAP

1/2-INCH REBAR WITH NO ID CAP



EXISTING SECTION - SR-72

STA. 109+20.00 TO STA. 109+86.74



LEGEND

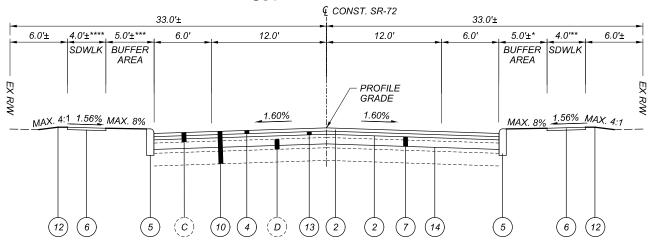
- ASPHALT CONCRETE PAVEMENT 4.5"
- GRANULAR BASE 6"
- (c) ASPHALT CONCRETE PAVEMENT 7"
- CEMENT-TREATED GRANULAR BASE/SUBBASE 7.5"
- EXISTING SIDEWALK
- EXISTING CURB
- ITEM 254 PAVEMENT PLANING, ASPHALT CONCRETE 3"
- ITEM 407 NON-TRACKING TACK COAT
- ITEM 441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (449), VARIABLE 1.75" 3"
- (4)ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (449) PG64-22, 1.25"
- (5) ITEM 609 - CURB, TYPE 6
- (6) ITEM 608 - 4" CONCRETE WALK
- ITEM 301 ASPHALT CONCRETE BASE, PG64-22, (449), 9"
- ITEM 304 AGGREGATE BASE, 6"
- ITEM 526 REINFORCED CONCRETE APPROACH SLABS (T=12")
- (10) ITEM 202 - PAVEMENT REMOVED, (21")
- ITEM 253 PAVEMENT REPAIR, REPLACE WITH 7" OF ITEM 301
- ITEM 659 SEEDING AND MULCHING, CLASS 1
- ITEM 441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (449), 1.75"
- ITEM 204 SUBGRADE COMPACTION
- ITEM 301 ASPHALT CONCRETE BASE, PG64-22, (449), 7"



SDB SA 02-22-23 113007

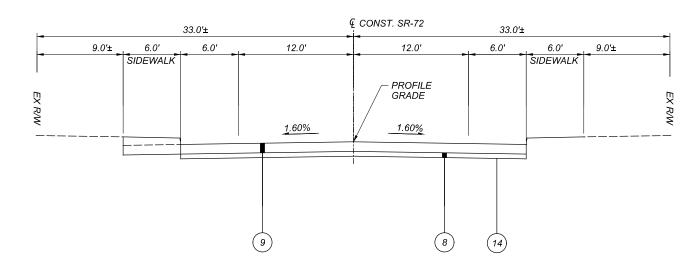
TRANSITION PAVEMENT SECTION - SR-72

STA. 109+20.00 TO STA. 109+61.74 STA. 111+08 18 TO STA. 111+10.00 STA. 110+00.00 TO STA. 160+00.00[#]



FULL DEPTH PAVEMENT SECTION - SR-72

STA. 109+61.74 TO STA. 109+86.74 STA. 110+83.18 TO STA. 111+08.18



APPROACH SLAB - SR-72

STA. 109+86.74 TO STA. 110+01.74 STA. 110+68.18 TO STA. 110+83.18 *VARIES FROM 4.5' AT STA. 109+30.00 TO 2.5' AT STA. 109+86.59
VARIES FROM 0.0' AT STA. 110+83.32 TO 3.0' AT STA. 111+00.00

**VARIES FROM 5.0' AT STA. 110+83.32 TO 4.0' AT STA. 111+00.00

***VARIES FROM 7.0' AT STA. 109+68.59 TO 0.0' AT STA. 109+86.59
VARIES FROM 3.5' AT STA. 110+83.32 TO 4.5' AT STA. 110+88.32

****VARIES FROM 5.0' AT STA. 110+83.32 TO 4.0' AT STA. 110+88.32

****VARIES FROM EXISTING AT STA. 109+20.00 TO 1.60% AT STA. 109+82.74
VARIES FROM 1.60% AT STA. 110+87.18 TO EXISTING AT STA. 111+10.00

EXISTING PAVEMENT MILL AND FILL BETWEEN STA 111+10.00 TO STA 111+60.00.
ITEM USED FOR MILL AND FILL ARE 1, 2, 3 AND 4 FROM LEGEND BELOW.

LEGEND

- ASPHALT CONCRETE PAVEMENT 4.5"
- (B) GRANULAR BASE 6"
- (C) ASPHALT CONCRETE PAVEMENT 7"
- (D) CEMENT-TREATED GRANULAR BASE/SUBBASE 7.5"
- E) EXISTING SIDEWALK
- F EXISTING CURB
- (1) ITEM 254 PAVEMENT PLANING, ASPHALT CONCRETE 3"
- (2) ITEM 407 NON-TRACKING TACK COAT
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- (14) ITEM 204 SUBGRAGE COMPACTION
- (15) ITEM 301 ASPHALT CONCRETE BASE, PG64-22, (449), 7"

NOTE: SAWCUT IS TO BE MADE TO SOUND PAVEMENT DESIGN AGENC

ODLZ

SDB
REVIEWER
SA 02-22-23
PROJECT ID
113007

t TOTAL 4 56

ITEM 614, MAINTAINING TRAFFIC THE REPLACEMENT OF THE GRE-72-0771 BRIDGE OVER CAESAR CREEK REQUIRES THE TOTAL CLOSURE OF SR 72 (N LIMESTONE ST). TRAFFIC WILL BE MAINTAINED BY THE USE OF A SIGNED DETOUR

ROUTE

ACCESS TO SIDE ROADS, DRIVES, AND POSTAL FACILITIES SHALL BE MAINTAINED AT ALL TIMES.

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES. EXCEPT FOR A PERIOD NOT TO EXCEED THE MIN./MAX. DAYS AS OUTLINED IN THE A+B BIDDING CONTRACT TABLE ON THIS SHEET. WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 10THE COMPLETE CLOSURE SHALL COMMENCE ON JUNE 1. A DISINCENTIVE SHALL BE ASSESSED AS PER THE A+B BIDDING CONTRACT TABLE SHOWN IN THESE NOTES.

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.

SR 72 SOUTH OF THE PROJECT LIMITS (SEE DETOUR MAP) SR 72 NORTH OF THE PROJECT LIMITS (SEE DETOUR MAP)

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN SIGNS, SIGN SUPPORTS AND BARRICADES. AS DETAILED IN OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND TYPE III BARRICADES OF THE TYPE AND LOCATION AS SHOWN ON SHEET 10

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.

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD 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.

ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
	≥ 2 WEEKS	14 CALENDAR DAYS PRIOR

ROAD CLOSURES > 12 HOURS & < 2 WEEKS 7 CALENDAR DAYS PRIOR

≤ 12 HOURS

14 CALENDAR DAYS PRIOR TO CLOSURE TO CLOSURE

2 BUSINESS DAYS PRIOR TO CLOSURE

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.

> SR 72 WILL BE CLOSED~#MM-DD" FOR 120 DAYS INFO: 1543+933-6600

> > W20-H13-60

NO SHORT-TERM LANE CLOSURE SHALL BE PERFORMED AND ALL EXISTING LANES ON S.R. 72 SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS AND SPECIAL EVENTS:

NEW YEARS (OBSERVED) FASTER TOTAL SOLAR ECLIPSE (4/8/24) MEMORIAL DAY FOURTH OF JULY (OBSERVED) GENERAL/REGULAR ELECTION DAY (NOV) CHRISTMAS (OBSERVED)

ITEM 614, MAINTAINING TRAFFIC (CONTINUED)

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 MUST OR EVENT BE OPEN TO TRAFFIC 12:00N FRIDAY THROUGH 6:00 AM MONDAY SUNDAY

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

MONDAY 12:00N FRIDAY THROUGH 6:00 AM WEDNESDAY (TOTAL SOLAR ECLIPSE)

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

TUESDAY 5:00 AM TUESDAY THROUGH 12:00 AM WEDNESDAY (GEN./REG. ELECTION)

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

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

THURSDAY 6:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY (THANKSGIVING ONLY)

12:00N THURSDAY THROUGH 6:00 AM MONDAY

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

DURING THE SAME PERIODS, MAINTAIN PEDESTRIAN 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 IN THE AMOUNT OF \$30 FOR EACH MINUTE THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

	A + B BIDDING	CONTRACT TAE	BLE	
CONTRACT SEGMENT - LOCATION OF CRITICAL WORK	MINIMUM DAXS	MAXIMUM ~~QAYS	INCENTIVE/ DISINCENTIVE \$ PER DAY	*MAXIMUM INCENTIVE \$
SR 72 BRIDGE OVER CAESAR CREEK	L 105 CONSECUTIVE DAYS	120 } CONSECUTI VE DAYS	\$3,700	\$55,500

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.

DETOUR SIGNING

ALL WORK ZONE DEVICES REQUIRED SHALL BE FURNISHED. ERECTED, MAINTAINED AND SUBSEQUENTLY REMOVED BY THE CONTRACTOR. SEE SHEET 10FOR THE DETOUR PLAN.

THE CONTRACTOR SHALL VIDEO THE DETOUR ROUTES AND SUBMIT FOR REVIEW 7 DAYS PRIOR TO IMPLEMENTING THE DETOUR. A SECOND VIDEO SHALL BE SUBMITTED 7 DAYS AFTER THE DETOUR IS REMOVED.

PAYMENT FOR ALL WORK ASSOCIATED WITH THE DETOUR SHALL BE INCLUDED UNDER THE LUMP SUM BID FOR:

ITEM 614, DETOUR SIGNING LUMP

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 2 M. GAL

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 THATFLAGGERS 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

- DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

-DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR 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) MAY BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS AS APPROVED BY THE ENGINEER:

- 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).
- FOR OPERATIONS WITHOUT POSITIVE PROTECTION OCCURRING WITHIN 10 FEET OF AN OPEN TRAVELED LANE THAT MEET ALL OF THE FOLLOWING CRITERIA:

ON A MULTI-LANE DIVIDED INTERSTATE, OTHER FREEWAY OR EXPRESSWAY: AND

TRUCKS)

AN AUTHORIZED SPEED LIMIT OF 45MPH OR GREATER THAT IS IN EFFECT AT THE TIME OF THE OPERATION: AND AADT OF 50,000 (OR ADT OF 30,000 WITH 25% OR HIGHER PERCENT

"WITHOUT POSITIVE PROTECTION" MEANS USE OF DRUMS, CONES, SHADOW VEHICLE, ETC. WITHOUT PROTECTION FROM PORTABLE BARRIER OR OTHER RIGID BARRIER ALONG THE WORK AREA. THIS PHRASE DOES NOT APPLY TO CASES WHERE POSITIVE PROTECTION IS REQUIRED. MOBILE OPERATIONS ARE REGARDED AS "WITHOUT POSITIVE PROTECTION". FOR WORK ZONES USING A COMBINATION OF BARRIER AND TEMPORARY TRAFFIC CONTROL DEVICES (CONES, DRUMS, ETC), THE DESIGNATION SHALL BE BASED UPON THE TYPE OF

DEVICES USED IN THE AREA THAT WORKERS ARE LOCATED.

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

IF MULTIPLE ACTIVE LOCALIZED QUALIFYING WORK AREAS OCCUR WITHOUT POSITIVE PROTECTION, PER MAINLINE TRAFFIC DIRECTION. PROVIDE A UNIFORMED LEO AND OFFICIAL PATROL CAR IN ADVANCE OF:

- THE FIRST ACTIVE WORK AREA THAT DRIVERS WILL ENCOUNTER; OR • THE ACTIVE WORK AREA LATERALLY CLOSEST TO THE OPEN TRAVELED
- LANE: OR • OTHER LOCATION AS APPROVED BY THE ENGINEER.
- THE UNIFORMED LEO AND OFFICIAL PATROL CAR MAY RELOCATE AMONG THE LISTED LOCATIONS AS APPROPRIATE AS THE OPERATIONS PROCEED IN THE LOCALIZED QUALIFYING WORK AREAS.

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.

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 THECONTRACTOR 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 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 16 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.



LABOR DAY

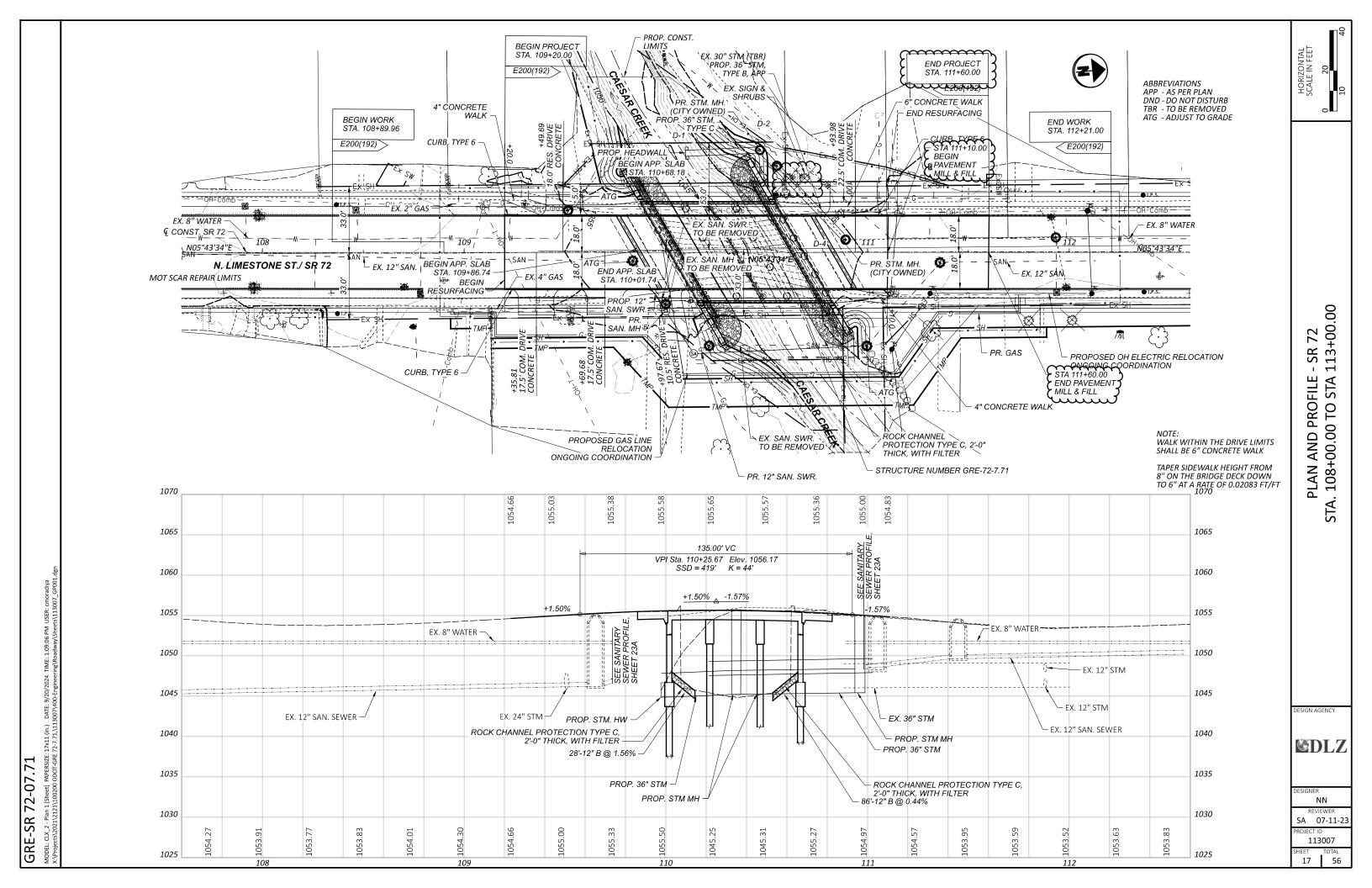
THANKSGIVING

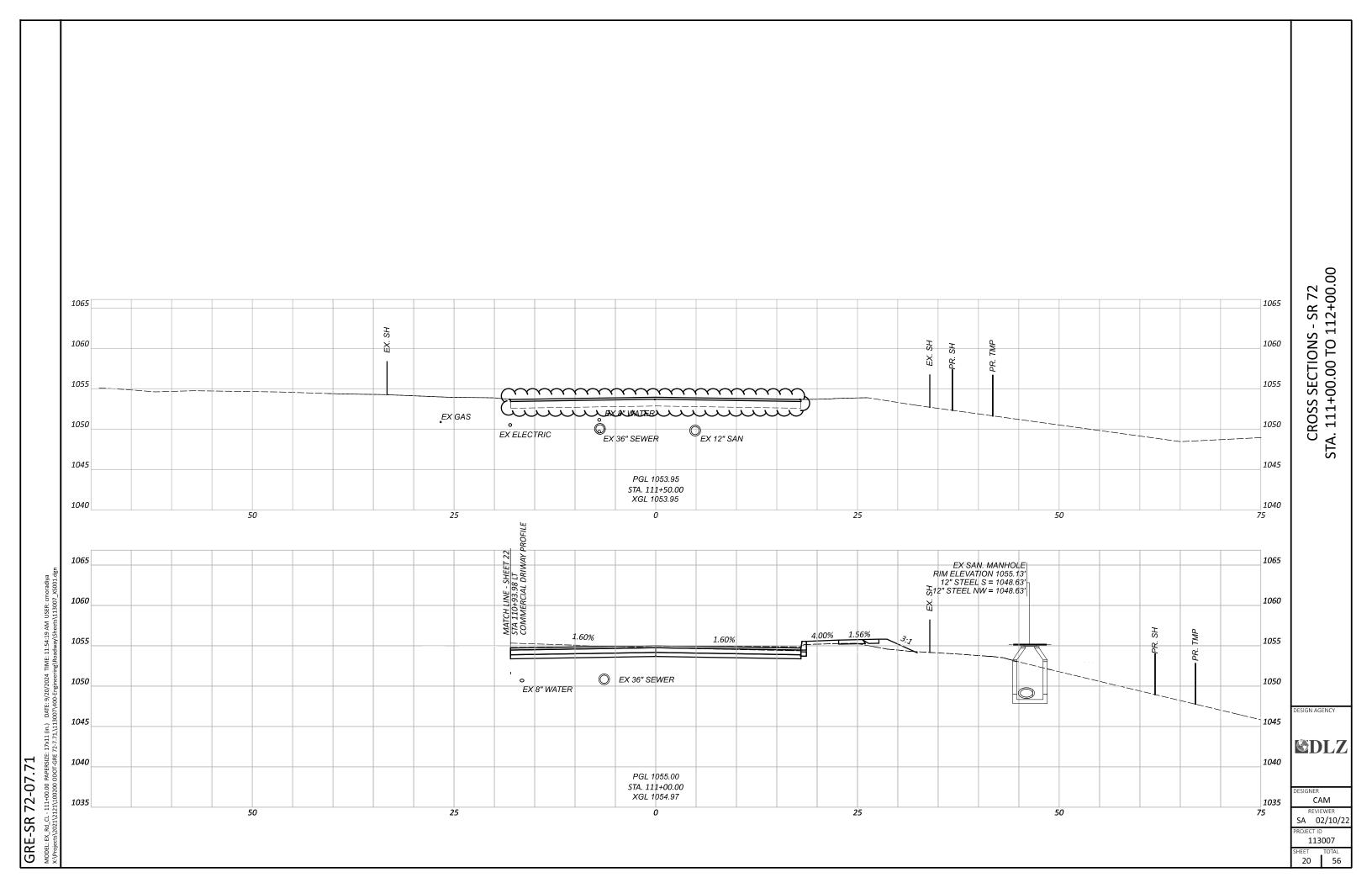
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						108						108	202	35100	108	FT	PIPE REMOVED, 24" AND UNDER		1
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	0.01											0.01	659	31000	0.01	ACRE	LIME		-
-	1											1	659 659	35000 40000	1 1	MGAL MSF	WATER MOWING		1
	'											'	039	40000	'	IVIOI	MOWING		-
	50,00	0										50,000	832	30000	50,000	EACH	EROSION CONTROL		1
																	ENVIRONMENTAL / REMEDIATION		
<u> </u>												LS	SPECIAL	69098400	LS		WORK INVOLVING ASBESTOS CONTAINING MATERIALS	6	-
-												LS	SPECIAL	69098400	LS		CONSULTANT FOR CONCRETE QUALITY CONTROL INCLUDING TESTING AND INSPECTION	7	-
													3F LOIAL	03030400	Lo		CONSOCIANT FOR CONCRETE QUALITY CONTINUE INCCODING LESTING AND INSPECTION		1
																	DRAINAGE		1
ngb.							0.8					0.8	602	20000	0.8	CY	CONCRETE MASONRY]
3001																			
) d		34.5										34.5	605	13300	34.5	FT	6" UNCLASSIFIED PIPE UNDERDRAINS		
11300 11300		214										214	605	31100	214	FT	AGGREGATE DRAINS	6	
norac sets/1			-				2					2	C11	99574	2	EACH	MANUALE NO 2		-
y/She							57					57	611 611	16401	57	FT	MANHOLE, NO. 3 36" CONDUIT, TYPE B, AS PER PLAN	6	1
USE adwa							35					35	611	16600	35	FT	36" CONDUIT, TYPE C		1
3 AM							2					2	611	99654	2	EACH	MANHOLE ADJUSTED TO GRADE		1
03:58 serin		1										1	611	99710	1	EACH	PRECAST REINFORCED CONCRETE OUTLET	6	1
ingin 11																			
400-E																	PAVEMENT		DESIGN AGENC
2024			1		7							7	253	02000	7	CY	PAVEMENT REPAIR, REPLACE WITH ITEM 301, 7"		-
1,7113													054	04000	(25)	0)/	DAY/ENEXT DI ANIMO, ADDIANT COMODETE OIL		
DATE: 9					355							355	254	01000	355	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 3"		©DI
⇒ ≥ *			+ +		$\frac{1}{7}$							$\frac{1}{7}$	301	56000		CY	ASPHALT CONCRETE BASE, PG64-22, (449), 7"		
			+ +		-			1				 '	301	30000	<u> </u>		1.0		1
(in.) C		7	+ +		50			1				57	301	56000	57	CY	ASPHALT CONCRETE BASE, PG64-22, (449), 9"		<u>L</u>
7x11 (in.) E ODOT-GRE 7	l	_ <u> </u>			<u> </u>							1			<u> </u>	<u> </u>	· · · · · · · · · · · · · · · · · · ·	- t	DESIGNER
ZE: 17×11 (in.) D					 	1	1		1	1	1	00	304	20000	20	CY	1.0000000000000000000000000000000000000		
ERSIZE: 17x11 (in.) D. 1/100200 ODOT-GRE 7					20						<u> </u>	20	304	20000			AGGREGATE BASE, 6"	 	
PAPERSIZE: 17x11 (in.) E					\sim							\sim	304		\bigcirc	01			REVIEWE
Neet PAPERSIZE: 17x11 (in.) D													407	20000		GAL	NON-TRACKING TACK COAT		SDB REVIEWEI SA 02-2 PROJECT ID
EL: Sheet PAPERSIZE: 17x11 (in.) D. pjects/2021/2121/100200 ODOT-GRE 7					\sim							\sim			\bigcirc				REVIEWE SA 02-2

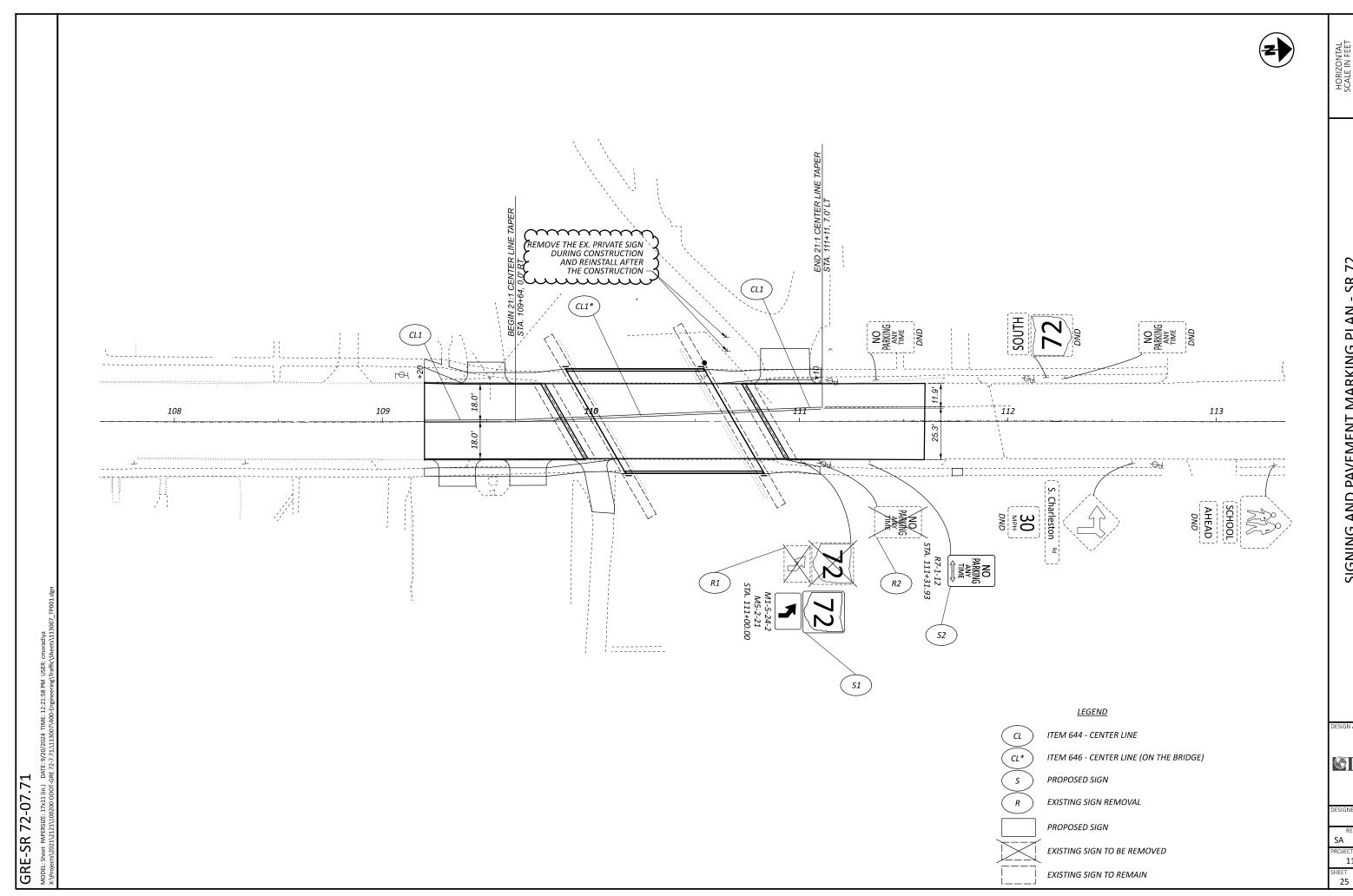
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						≿	ΑĀ	SUBSUMMARY	3SU	SUE		PAVEMENT	VE	ĕ									SIGN AGENCY	EDL	SIGNER	SDB REVIEWER	OJECT ID	113007	14 1 56
																							DES		DES				SHE
60 BENTANDER													56	77	37	16													18
8" NON-REINFORCED CONCRETE 55 PAVEMENT, CLASS QC MS																		17.55	16.58	17.63									52
6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC MS																	14.00		26.00	20.00									40
ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449), VARIABLE 1.75" - 3"	11.01		0.48																										11
ASPHALT CONCRETE INTERMEDIATE THE COURSE, TYPE 2, (449), 1.75"				9.72					4.86	4.86																		~~~	19
ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22, 125"	5.80			6.94					3.47	3.47										42								~~~	62
DON-TRACKING TACK COAT	26.72			$\frac{32}{2}$					16	16																		~~~	92
AGGREGATE BASE, 6"			\sim								10	10																	20
ASPHALT CONCRETE BASE, PG64-22, 62 (449), 9"				لىر					25.00	25.00																			50
ASPHALT CONCRETE BASE, PG64-22, 60 (449), 7"				ىر	2.28	3.08	1.36	0.56																					7
PAVEMENT PLANING, ASPHALT CONCRETE, 3"	148.41		6.47	200.00																								000	355
PAVEMENT REPAIR, REPLACE WITH 152 PAVEMENT REPAIR, TO 152 PAVEMENT REPLACE WITH 152 PAVEMENT REPRESENT REP				ىب	2.28	3.08	1.36	0.56																					7
AREA	1335.68			1800.00	105.76	142.70	62.88	25.92	900.00	900.00	540.00	540.00	56.34	77.13	37.40	16.24													
SIDE				ىر	LT	RT	LT	RT					LT	RT	LT	RT	LT	RT	RT RT	LT									
STATION	109+61.74		111+10.00	111+60.00	109+72.88	109+91.35	111+10.00	111+10.00	109+86.74	111+08.18	110+01.74	110+83.18	109+76.34	109+97.13	111+10.00	111+10.00													SENERAL SUMMARY
	ТО		$ \uparrow $) TO (
STATION	109+20.00			111+10.00	109+20.00	109+20.00	110+78.56	110+97.04	109+61.74	110+83.18	109+86.74	110+68.18	109+20.00	109+20.00	110+72.79	110+93.57	109+49.69	109+35.81	109+69.68 109+97.67	110+93.98									TOTAL C CADDIED
SHEET NO.	17	.,																											
REF NO.	avement	a vollioni											Curb				Driveway												





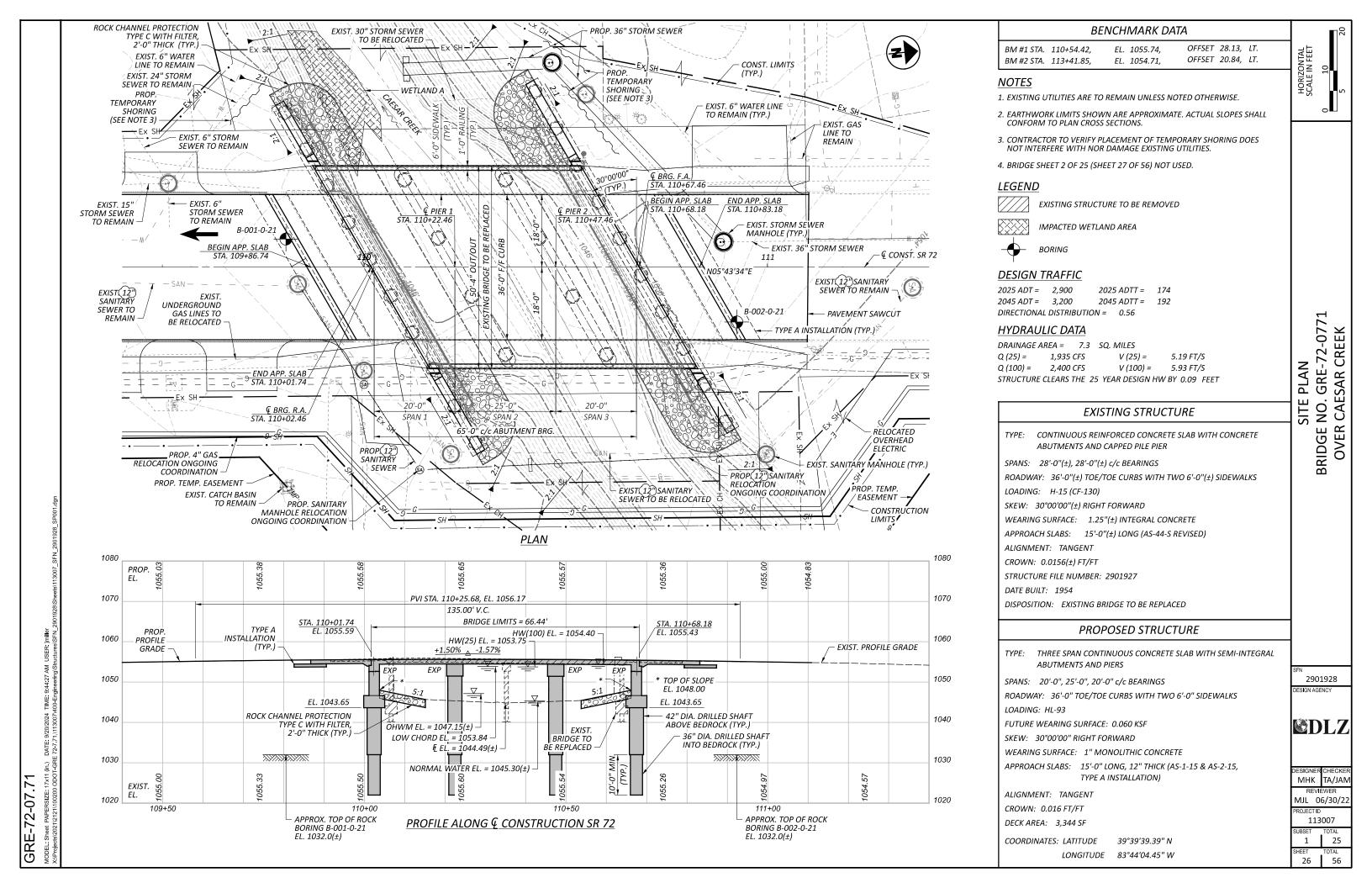


SIGNING AND PAVEMENT MARKING PLAN - SR 72 STA. 108+00.00 TO STA. 113+00.00

©DLZ

SDB REVIEWER SA 02-23-23

113007 25 TOTAL 56



RETAIN AN EXPERIENCED VIBRATION SPECIALIST TO PERFORM OR SUPERVISE THE CONDITION SURVEY. USE A VIBRATION SPECIALIST THAT MEETS THE QUALIFICATION REQUIREMENTS FOR STRUCTURAL SURVEY AND MONITORING OF VIBRATION.

RECORD THE CONDITION OF EXISTING STRUCTURES AND BUILDING MATERIALS, USING WRITTEN TEXT. PHOTOGRAPHS, AND VIDEO RECORDINGS. INSPECT INTERIOR WALLS, CEILINGS, AND FLOORS THAT ARE ACCESSIBLE. INSPECT THE EXTERIOR OF THE BUILDING THAT IS VISIBLE FROM GROUND LEVEL. ALSO RECORD THE LOCATION, SIZE, AND TYPE OF ALL CRACKS AND OTHER STRUCTURAL DEFICIENCIES.

IF OWNERS, OR OCCUPANTS, FAIL TO ALLOW ACCESS TO THE PROPERTY FOR THE PRECONSTRUCTION CONDITION SURVEY, SEND A CERTIFIED LETTER TO THE OWNER OR OCCUPANT. DOCUMENT THE NOTIFICATION EFFORT AND THE CERTIFIED LETTER IN THE REPORT.

SUBMIT THREE COPIES OF THE REPORT TO THE ENGINEER THAT SUMMARIZES THE PRECONSTRUCTION CONDITION OF THE BUILDINGS, STRUCTURES, AND UTILITIES, AND THAT IDENTIFIES AREAS OF CONCERN.

THE DEPARTMENT WILL PAY FOR THIS ITEM AT THE CONTRACT LUMP SUM PRICE FOR ITEM SPECIAL - STRUCTURES: PRECONSTRUCTION CONDITION SURVEY.

LATERALLY LOADED DRILLED SHAFTS:

THE MAXIMUM FACTORED LATERAL LOAD AND BENDING MOMENT TO BE SUPPORTED BY EACH DRILLED SHAFT ARE 58 KIPS, AND 234 KIP-FEET, RESPECTIVELY. THESE LOADS PRODUCE A MAXIMUM FACTORED BENDING MOMENT OF 824 KIP-FEET, AND A MAXIMUM FACTORED SHEAR OF 520 KIPS, WITHIN THE DRILLED SHAFT.

ITEM 625 - STRUCTURE GROUNDING SYSTEM:

INSTALL A STRUCTURE GROUNDING SYSTEM PER STANDARD DRAWING HL-50.21. PAYMENT WILL BE MADE UNDER ITEM 625 - STRUCTURE GROUNDING SYSTEM. A QUANTITY OF 1 EACH HAS BEEN CARRIED TO THE GENERAL SUMMARY.

PER STANDARD DRAWING HL-50.21, INSTALL 4 ELECTRODES FOR THE PURPOSE OF GROUNDING THE FENCE ON THE BRIDGE.

ITEM 894 - THERMAL INTEGRITY PROFILER (T.I.P.) TEST:

PERFORM INTEGRITY TESTING ON ALL OF THE DRILLED SHAFTS AT THE ABUTMENTS AND PIERS BY THERMAL INTEGRITY PROFILING (TIP). PERFORM TIP TESTING PER ASTM D7949. "STANDARD TEST METHODS FOR THERMAL INTEGRITY PROFILING OF CONCRETE DEEP FOUNDATIONS," METHOD B, AND PER SUPPLEMENTAL SPECIFICATION 894.

PLAN ABBREVIATIONS:

= ATABUT. = ABUTMENT

ADT = AVERAGE DAILY TRAFFIC

ADTT= AVERAGE DAILY TRUCK TRAFFIC APP. = APPROACH

APPROX. = APPROXIMATE ВМ = BENCHMARK ВОТ. = BOTTOM BRG. = BEARING

c/c = CENTER-TO-CENTER = CENTERLINE CALC. = CALCULATED

CHKD. = CHECKED C.J.

= CONSTRUCTION JOINT = CLEARANCE

= CONSTRUCTION AND MATERIAL SPECIFICATIONS CMS

CONST. = CONSTRUCTION DIA. = DIAMETER DWG. = DRAWING E.F. = EACH FACE EL. = ELEVATION EQ. = EQUAL EXIST. = EXISTING = EXPANSION EXP.

CLR.

F.A. = FORWARD ABUTMENT

F.F. = FAR FACE = FACE-TO-FACE F/F FWD. = FORWARD

FWS = FUTURE WEARING SURFACE

= HIGH WATER HWINC. = INCREMENT INV. = INVERT IT. = IFFTMAX. = MAXIMUM MIN. = MINIMUM N.F. = NEAR FACE NO. = NUMBER

N.P.C.P.P. = NON-PERFORATED CORRUGATED PLASTIC PIPE OHWM= ORDINARY HIGH WATER MARK P.C.P.P. = PERFORATED CORRUGATED PLASTIC PIPE PEJF = PREFORMED EXPANSION JOINT FILLER

PROP. = PROPOSED

= POINT OF VERTICAL INTERSECTION PVI

R.A. = REAR ABUTMENT REF. = REFERENCE = SERIES SER. SPA. = SPACED SR = STATE ROUTE STA. = STATION STD. = STANDARD

TAF = TEMPORARY ACCESS FILL

TYP. = TYPICAL

= UNLESS NOTED OTHERWISE U.N.O.

V.C. = VERTICAL CURVE

2 STRUCTURE GENERAL NOTES BRIDGE NO. GRE-72-0771 OVER CAESAR CREEK

2901928



JAM CJS MJL 06/30/22 113007 29

SFN		Ī
29	901928	
DESIGN	AGENCY	

©DLZ

DESIGNER	CHECKER
JAM	JDA
REVIE	WER
MJL 0	6/30/22
PROJECT ID	
PROJECTIL	,

PROJECT ID

113007

SUBSET TOTAL

5 25

SHEET TOTAL

30 56

FUNDING					ESTIMATED QUANTITIES			CALC. BY: CHKD. BY:		DATE: DATE:	
01/STR/10	ITEM	ITEM EXTENSION	TOTAL	UNIT	DESCRIPTION	REAR ABUTMENT	FORWARD ABUTMENT	PIERS	SUPER- STRUCTURE	GENERAL	REF. SHE NUMBE
	202	11002	LS		STRUCTURE REMOVED, OVER 20 FOOT SPAN					LS	
	202	22900	124	SY	APPROACH SLAB REMOVED					124	
	202	23500	120	SY	WEARING COURSE REMOVED					120	
	503	11101	LS		COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN					LS	
	503	21100	542	CY	UNCLASSIFIED EXCAVATION	273	269				
	509	26000	85,106	LB	GALVANIZED STEEL REINFORCEMENT	11,766	11,532	5,866	55,942		
	511	32212	212	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE				212		
	511	41013	50	CY	CLASS QC1 CONCRETE WITH QC/QA, PIER ABOVE FOOTINGS, AS PER PLAN			50	2,72		15
	511	43513	201	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT INCLUDING FOOTING, AS PER PLAN	101	100	- 00			10,12,1
	011	10070	201	07	SENSO QUI CONONETE TITTI QUI QVI, I DO TIMENT INCESSITIO I COTTINO, I TOTTE ENTESTI	101	700				10,12,1
	512	10050	98	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)				98		
	512	10100	457	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	65	64	160	168		
	516	13900	41	SF	2" PREFORMED EXPANSION JOINT FILLER				41		
	516	14020	146	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL				146		
	516	41600	154	SF	1" ELASTOMERIC BEARING PAD				154		
	517	75120	132	FT	RAILING (CONCRETE PARAPET WITH TWIN STEEL TUBE RAILING)				132		
	518	21200	99	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	50	49				
	518	40000	198	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	99	99				
	518	40010	56	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	28	28				
	524	94705	280	FT	DRILLED SHAFTS, 36" DIAMETER, INTO BEDROCK, AS PER PLAN	100	100	80			3,4
	524	94803	363	FT	DRILLED SHAFTS, 42" DIAMETER, ABOVE BEDROCK, AS PER PLAN	117	117	129			3,4
	024	34000	000	,,,	DIVIDLE OF AT TO, 42 DIAMETER, ADOVE BEDITOON, ACT ENTERNY	111	117	720			0,4
	526	10011	120	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=12"), AS PER PLAN					120	23
	526	90010	84	FT	TYPE A INSTALLATION					84	
	ODEOM	500500000	1.0		OTOLIOTUDES DESCONOTRUSTION CONDITION OUR VEV						
	SPECIAL SPECIAL	530E00200	LS LS		STRUCTURES: PRECONSTRUCTION CONDITION SURVEY					LS LS	3
		530E14000			STRUCTURAL SURVEY AND MONITORING OF VIBRATION					LS	3
~~~	601	32200	178	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	87	91			· · · · · ·	· · · ·
	846	00110	35	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM					35	
	894	10000	28	EACH	THERMAL INTEGRITY PROFILING (TIP) TEST	10	10	8			4
				-							
											-
				-							<del>                                     </del>
		+							+ +		<del>                                     </del>
		+		+					+ +		
				1							

GRE-72-07.71  $\label{eq:model:sheet_papersize:17x11 (in.) DATE: 9/16/2024 TIME: 10:15:08 AM USER: jmiller X:\Projects\2021\2121\100200 ODOT-GRE 72.7.71\113007\400-Engineering\$tructures\$FN_2.7.71\13007\400-Engineering\$tructures\$FN_2.7.71\13007\400-Engineering\$tructures\$FN_2.7.71\13007\400-Engineering\$tructures\$FN_2.7.71\13007\400-Engineering\$tructures\$FN_2.7.71\13007\400-Engineering\$tructures\$FN_2.7.71\13007\400-Engineering\$tructures\$FN_2.7.71\13007\400-Engineering\$tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$Tructure\$ 

SERIES

INC.

	STR					44"		PIFR NE	RII I FD	SHAFTS	:					
									,, <u>,</u> ,,	SHAFTS		$\sim$				
	19	1'-11"	14'-10"	6'-1"			DS402	8	601'-6"	3,214	27	0'-4.5"	2'-6"	28'-0"		
	19	0'-7"	14'-10"	6'-1"												
							DS1102	96	31'-7"	16,109	16	30'-0"				
	STR					23.25"										
									TOTAL	(19,323	) LBS					
										3						
	STR					23.25"										
	3	4'-2"	2'-6"													
	STR															
	STR															
	3	1'-9"	6'-10"													
			6'-5"													
	3	1'-9"	TO			2.5"										
			10'-8"													
			4'-6"													
	3	1'-9"	ТО			5"										
			10'-3"													
	3	1'-9"	10'-7"													
	3	0'-7"	10'-7"													
	STR															
	STR															
	STR															
_	STR	1'-9"	2'-6"													
_	STR															
	LBS															

SERIES

INC.

46"

46"

MARK

P501

P502

P503

P504

P505

P801

NO.

12

90

4

4

56

LENGTH WEIGHT

232

117

1,142

17

47

4,311

5,866

STR

24

3

2

3

STR

LBS

**PIERS** 

27'-9"

9'-4"

12'-2"

4'-1"

11'-4"

28'-10"

TOTAL

REINFORCING STEEL WEIGHTS AND TOTALS FOR THE PIER DRILLED SHAFTS ARE PROVIDED FOR INFORMATION ONLY. THE REINFORCING STEEL LISTED ABOVE AS "DS" SERIES BAR MARKS IS INCLUDED FOR PAYMENT UNDER ITEM 524 - DRILLED SHAFTS, 36" DIAMETER, INTO BEDROCK AND ITEM 524 - DRILLED SHAFTS, 42" DIAMETER, ABOVE BEDROCK.

REINFORCING STEEL LIST

3'-6"

3'-2"

0'-10"

2'-9"

DIMENSIONS

С

0'-10"

В

1'-6"

2'-8"

2'-8"

2'-8"

D

Ε

### **REINFORCING STEEL NOTES**

- 1. SERIES BARS EACH BAR VARIES BY TABULATED AMOUNT.
- 2. ALL DIMENSIONS ARE OUT-TO-OUT.
- TYPE 'STR' INDICATES A STRAIGHT BAR.
- THE BAR SIZE NUMBER IS INDICATED IN THE 'MARK' COLUMN. THE FIRST ONE OR TWO DIGITS OF EACH MARK INDICATES THE BAR SIZE NUMBER. FOR EXAMPLE, A501 IS A #5 BAR SIZE AND P1101 IS A #11 BAR SIZE.
- 5. ALL REINFORCING STEEL SHALL BE GALVANIZED.

						D	IMENSIONS	3		SERIES
MARK	NO.	LENGTH	WEIGHT	TYPE	Α	В	C	D	Е	INC.
	REAL	R ABUTI	WENT							
RA501	24	30'-0"	751	STR						
RA502	18	23'-4"	438	STR						
RA503	1	21'-10"	23	19	0'-7"	20'-10"	4'-7"			
RA504	1	23'-2"	24	19	1'-11"	20'-10"	4'-7"			
	1	3'-3"								
RA505	SER OF	TO	37	STR						45"
	1	14'-6" 4'-6"								
RA506	SER OF	TO	42	STR						45"
101000	4	15'-9"		<u> </u>						1.0
	2	18'-11"								
RA507	SER OF	TO	131	STR						24.5"
	3	23'-0"								
RA508	1	18'-0"	19	19	1'-11"	14'-10"	6'-4"			
RA509	1	16'-8" 2'-7"	17	19	0'-7"	14'-10"	6'-4"			
RA510	SER OF	TO	23	STR						23"
TAUTU	4	8'-4"	20	OIN						25
	1	1'-4"								
RA511	SER OF	ТО	18	STR						23"
	4	7'-1"								
RA512	103	13'-10"	1,486	3	4'-2"	2'-6"				
RA601	8	30'-0"	360	STR						
RA602	8	25'-1"	301	STR						
RA603	61	18'-2"	1,664	3	1'-9"	6'-11"				
	1	17'-2"	,	-		6'-5"				
RA604	SER OF	TO	678	3	1'-9"	TO				2.5"
	21	25'-10"				10'-9"				
	1	13'-4"				4'-6"				
RA605	SER OF	TO 25'-2"	434	3	1'-9"	TO				5"
RA606	15 4	26'-0"	156	3	1'-9"	10'-5" 10'-10"				
RA607	2	23'-8"	71	3	0'-7"	10'-10"				
RA608	1	10'-10"	16	STR						
RA801	32	30'-0"	2,563	STR						
RA802	28	27'-10"	2,081	STR	41.01	01.011				
RA803 RA804	7	21'-8" 10'-10"	231	STR STR	1'-9"	2'-6"				
701007	,	10 10	202	Ont						
		TOTAL	11,766	LBS						
	R.A. DF	RILLED	SHAFTS							-
DS401	10	90'-8"	606	27	0'-4.5"	2'-6"	21'-1"			
		The same of the sa								
DS1101	120	24'-8"	15,726	16	23'-1"					
		TOTAL								
		TOTAL	16,332	LBS						
								+		
								-		
								+		
		EL WEIGHT								•

42" DIAMETER, ABOVE BEDROCK.

REINFORCING STEEL WEIGHTS AND TOTALS FOR THE FORWARD ABUTMENT DRILLED SHAFTS ARE PROVIDED FOR INFORMATION ONLY. THE REINFORCING STEEL LISTED ABOVE AS "DS" SERIES BAR MARKS IS INCLUDED FOR PAYMENT UNDER ITEM 524 - DRILLED SHAFTS, 36" DIAMETER, INTO BEDROCK AND ITEM 524 - DRILLED SHAFTS, 42" DIAMETER, ABOVE BEDROCK.

REINFORCING STEEL LIST

0'-7"

1'-11"

20'-10"

20'-10"

4'-6"

MARK

FA501

FA502

FA504

FA506

FA508

FA509

FA511

FA512

FA601

FA602

FA603

FA605

FA606

FA607

FA608

FA801

FA802

FA803

FA804

DS401

DS1101

NO.

20

16

1

SER OF

2

SER OF

103

61

1

21

SER OF

15

4

2

32

28

4

10

120

FA604 | SER OF

FA505 SER OF

FA507 SER OF

FA510 SER OF

LENGTH | WEIGHT | TYPE

626

389

23

24

41

90

19

17

24

1.486

360

301

1,649

676

430

153

70

16

2,563

2,081

232

198

11,532

606

15,726

16.332

27

16

LBS

( 0'-4.5" )

23'-1"

2'-6"

21'-1"

STR

STR

19

19

STR

FORWARD ABUTMENT

30'-0"

23'-4"

21'-10"

23'-2"

4'-0"

TO

15'-6"

5'-3"

TO

16'-9"

19'-8"

TO

23'-4"

17'-11"

16'-7"

2'-9"

TO

8'-7" 1'-6"

TO 7'-4"

13'-10"

30'-0"

25'-1"

18'-0"

17'-2"

TO

25'-8" 13'-4"

TO

24'-10"

25'-6"

23'-2" 10'-7"

30'-0"

27'-10"

21'-9"

10'-7"

TOTAL

F.A. DRILLED SHAFTS

90'-8"

24'-8"

TOTAL

GRE-72-07.71

JAM JDA MJL 06/30/22 113007

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**ODL**Z

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