

PORTION TO BE IMPROVED	
INTERSTATE HIGHWAY	
FEDERAL ROUTES	
STATE ROUTES	
COUNTY & TOWNSHIP ROADS	
OTHER ROADS	

DESIGN DESIGNATION

	0.04	
CURRENT ADT (2022)	8,25	52
DESIGN YEAR ADT (2042)	12,2	263
DESIGN HOURLY VOLUME (2042)	1,10)4
DIRECTIONAL DISTRIBUTION	56/4	44
TRUCKS (24 HOUR B&C)	10%	6
DESIGN SPEED	35/	50
LEGAL SPEED	35/	50
DESIGN FUNCTIONAL CLASSIFICATION:		
04 - MINOR ARTERIAL (URBAN)		\frown
NHS PROJECT	NO	7

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

30 PM

IME

DATE: 5/5/2023

17x11 (in.) HEN-108-17

SIZE:

HEN-108-17.40



500 Lake Shore Drive, Suite 10 Columbus, Ohio 43204 (614) 486-4383

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7	ENGINEER'S SEAL			
~	FOR STRUCTURES	7		
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~		BP-4.1 BP-5.1	7/19/13	/
		BR-7.1	7/15/22 1/20/23	_
7	ENGINEER'S SEAL		1/20/23	-
~	FOR ENTIRE PLAN	RM-1.1	1/20/23	
	EXCEPT STRUCTURES	RM-3.1	7/20/18	1
7	WHE OF OXY	RM-5.2	1/20/23	İ
~	NICHOLAS	5		I
		+-10.11	7/15/22	I
٢	GOODMAN E-86145	HI-10.12	1/20/23	I
~		HA-10.13	1/20/23	
	NICHOLAS M. GOODMAN E-86145	H-20.11	10/21/22	1
7		HL-30.11	1/15/21	1
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		HL-40.20	7/15/22	
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STATE OF OHIO DEPARTMENT OF TRANSPORTATION

HEN-108-17.40

CITY OF NAPOLEON

HENRY COUNTY

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ENGLI I)	•.						SPECIFI	CATIONS	PROVISIONS
	BF	-3.1 1/21/22	HL-60.11	7/21/17	TC-52.10	10/18/13	DM-2.1	1/18/13	800-2023	SEE PROPOSAL	
	B	-4.1 7/19/13	HL-60.31	1/17/20	TC-52.20	1/15/21			813	10/19/18	
	BF	-5.1 7/15/22			TC-61.10	1/17/20	HW-2.2	7/20/18	832	7/15/22	
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E PLAN UCTURES	RI	1-1.1 1/20/23	MT-97.12	1/20/17	TC-71.10	7/15/22			913	4/16/21	
	RI	1-3.1 7/20/18	MT-97.20	4/19/19	TC-73.20	1/17/20					
0110	RI	1-5.2 1/20/23	MT-98.29	1/17/20	TC-74.10	1/20/23					
AS AS			MT-101.60	1/17/20							
1_=	K	-10.11 7/15/22	MT-101.90	7/17/20	СВ-3	7/16/21					
AN A	НI	-10.12 1/20/23	MT-105.10	1/17/20	CB-3A	7/16/21					
	Ħ	-10.13 1/20/23	1								
5 CHUNNER	H	-20.11 10/21/22	TC-41.20	10/18/13	MH-3	7/16/21					
11.	HL	-30.11 1/15/21	TC-41.30	10/18/13							
	Ħ	-30.21 4/17/20	TC-42.10	10/18/13	DM-1.1	7/17/20					
	H	-40.20 7/15/22	TC-42.20	10/18/13	DM-1.2	7/16/21					

FEDERAL PROJECT NUMBER

E191(043)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

IN HENRY COUNTY, CONVERT THE RAMP INTERSECTION AT S.R. 108 AND WESTBOUND U.S. 24 TO A ROUNDABOUT. IMPROVEMENTS WILL ALSO INCLUDE PEDESTRIAN FACILITIES IN THE VICINITY OF THE ROUNDABOUT AND ALONG S.R. 108, ROUNDABOUT LIGHTING, DRAINAGE, TRAFFIC CONTROL AND DRIVE IMPROVEMENTS.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	3.24 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.29 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	4.90 ACRES

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 AND CHANGES LISTED IN 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 SHEETS 10-11.

APPROVED ____

DISTRICT DEPUTY DIRECTOR

APPROVED Just Mohants m

DIRECTOR, DEPARTMENT OF TRANSPORTATION



DESIGN AGENCY
Stantec
1500 LAKE SHORE DRIVE.
SUITE 100 COLUMBUS, OH 43204
(614) 486-4383
DESIGNER
NMG
REVIEWER
NEVIEVEN
BMH 11/30/22
BMH 11/30/22
BMH 11/30/22 PROJECT ID

ITEM 517 - RAILING, ALUMINUM, AS PER PLAN

DESIGN AND CONSTRUCT A 42-INCH. HIGH 2-RAIL ALUMINUM (CMS 711.20) RAILING SYSTEM SIDE MOUNTED AT THE VARIABLE THICKNESS CONCRETE WALK. RAILING SHALL CONFORM TO OSHA RAILING GUIDELINES AND LOADING.

CONTRACTOR TO DESIGN ADHESIVE ANCHORS FOR ALUMINUM RAILING. PREPARE AND PROVIDE PLANS IN ACCORDANCE WITH 501.05. ADHESIVE ANCHORS SHALL CONSIST OF A CONTINUOUSLY-THREADED AISI 316 STAINLESS STEEL ANCHOR ROD. ADHESIVE SYSTEM SHALL BE HILTI HIT-RE500-SD OR APPROVED EQUAL. INSTALL ADHESIVE ANCHORS PER MANUFACTURER'S INSTRUCTIONS.

PAYMENT FOR ALL DESIGN OF RAILING SYSTEM AND MOUNTING, LABOR, MATERIAL AND EQUIPMENT SHALL BE INCLUDED IN THE PER FOOT PRICE BID PER ITEM 517 RAILING, ALUMINUM, AS PER PLAN.

ITEM 608 - WALKWAY, MISC.: VARIABLE THICKNESS CONCRETE WALK

THIS ITEM SHALL CONFORM TO ALL REQUIREMENTS OF ITEM 608 AND SHALL BE REINFORCED AS SHOWN IN THE PLANS. REINFORCING SHALL MEET REQUIREMENTS OF ITEM 509 CONCRETE REINFORCEMENT.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 608 WALKWAY MISC.: VARIABLE THICKNESS CONCRETE WALK.

ITEM 870 - PREFABRICATED MODULAR RETAINING WALL, AS PER PLAN

THE PREFABRICATED MODULAR RETAINING WALL (PMRW) SYSTEM FOR THIS PROJECT SHALL BE LIMITED TO THE REDI-ROCK GRAVITY RETAINING WALL SYSTEM SUPPLIED BY REDI-ROCK STRUCTURES OF OKI, LLC AND COMPLY WITH SS870. THE PMRW SYSTEM MUST BE APPROVED BY THE ODOT PROJECT ENGINEER PRIOR TO ORDERING ANY MATERIALS FOR THE PROJECT.

THE CONTRACTOR (AND REDI-ROCK) IS RESPONSIBLE FOR CONTRACTING CIVIL SOLUTIONS TO GENERATE THE ENGINEERING DRAWINGS FOR THE PMRW SYSTEM.

ITEM 630 - SIGNING, MISC., 6" X 8" SOLID WOOD POST, AS PER PLAN

THIS ITEM SHALL CONSIST OF INSTALLING A GROUND MOUNTED 6" X 8" SOLID WOOD POST. FIGURE 298-26 OF THE TRAFFIC ENGINEERING MANUAL (P. 2-219) SHOULD BE USED AS A GUIDE FOR INSTALLATION OF THE 6" X 8" POST. GRADE 2 SOUTHERN YELLOW PINE SHOULD BE USED AND SHOULD BE PRESSURE TREATED WITH CCA PRESERVATIVE. U-CHANNEL DRIVE POSTS OF THE SAME HEIGHTS AS THE SIGN, WILL BE ATTACHED TO THE WOOD POST WITH 5/8" SQUARE HEAD, GALVANIZED BOLTS, NUTS AND WASHERS. THE SIGNS WILL THEN BE INSTALLED USING STANDARD SIGN CLIPS.

ITEM 630 - GROUND MOUNTED STRUCTURAL BEAM FOUNDATION. AS PER PLAN

FOUNDATIONS FOR WOOD POSTS SHALL BE CONCRETE AND SIZED AS SPECIFIED FOR W6 X 9 SIZE SUPPORTS IN SCD TC-41.10.

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659, SOIL ANALYSIS TEST	2 EACH
659, TOPSOIL	615 CU. YD.
659, SEEDING AND MULCHING	5,532 SQ. YD.
659, REPAIR SEEDING AND MULCHING	277 SQ. YD.
659, INTER-SEEDING	277 SQ. YD.
659, COMMERCIAL FERTILIZER	0.77 TON
659, LIME	1.14 ACRES
659, WATER	31 M. GAL.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

ITEM 204 - PROOF ROLLING

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING.

ITEM 204 - PROOF ROLLING	3 HOURS.

VEGETATED BIOFILTER

THIS PLAN UTILIZES VEGETATED BIOFILTERS FOR POST CONSTRUCTION STORM WATER TREATMENT. PLACE EITHER ITEM 660 SODDING OR ITEM 659 SEEDING AND MULCHING WITH A 4-INCH LIFT OF TOPSOIL AS SHOWN IN THE PLANS TO ANY DISTURBED AREA ON THE SHOULDER AND FORESLOPE DRAINING TO A VEGETATED BIOFILTER. THE DITCH FOR EACH VEGETATED BIOFILTER SHALL BE TRAPEZOIDAL, AS SHOWN IN THE PLAN CROSS SECTIONS. PROVIDE ITEM 670 AS SPECIFIED IN THE PLANS.

ENDANGERED BAT HABITAT REMOVAL

THIS PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT, AND NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT (ESA). FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS: A LIVE, DYING, OR DEAD WOODY PLANT. WITH A TRUNK 3 INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

UTILITIES	
	THI.
WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE	MA
CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING	HAF
SEWER OR UNDERGROUND UTILITY, LOCATE THE EXISTING	ATT.
PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE	SPE
STARTING TO LAY THE PROPOSED CONDUIT.	THE
IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING	WO
CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS	OR
FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN	
CONDUIT SLOPE, NOTIFY THE ENGINEER BEFORE STARTING CONSTRUCTION	STE
OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY	COI
THE VARIANCE IN THE EXISTING ELEVATIONS.	00,
	ALL
IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN	SCR
EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON	GAL
THE PLAN, NOTIFY THE ENGINEER BEFORE STARTING CONSTRUCTION OF ANY	UAL
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PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE	POS
INTERFERENCE WITH AN EXISTING FACILITY.	ANI
PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE IS INCLUDED IN	SUF
THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.	OR
	BO)
REVIEW OF DRAINAGE FACILITIES	
	THE
PRIOR TO THE START OF WORK AND AGAIN BEFORE FINAL	THE
ACCEPTANCE, PERFORM AN INSPECTION WITH REPRESENTATIVES	SHA
OF THE DEPARTMENT, CONTRACTOR AND LOCALS OF ALL EXISTING	(NU
DRAINAGE FACILITIES THAT ARE TO REMAIN IN SERVICE WHICH	NEC
MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING	
CONDUITS AND THEIR APPURTENANCES IS DETERMINED FROM FIELD	IN T
OBSERVATIONS. RECORDS OF THE INSPECTION ARE MAINTAINED BY	COI
THE DEPARTMENT.	ON
	AN
CONFIRM ALL EXISTING SEWERS INSPECTED INITIALLY BY THE	FOF
ABOVE-MENTIONED PARTIES ARE MAINTAINED AND LEFT IN A	HAI
CONDITION COMPARABLE TO THAT DETERMINED BY THE ORIGINAL	ENC
INSPECTION. THE CONTRACTOR IS RESPONSIBLE TO CORRECT ANY	
CHANGE IN THE CONDITION RESULTING FROM THEIR OPERATIONS	THE
AS DIRECTED AND APPROVED BY THE ENGINEER.	WIT
	мо
PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE IS INCLUDED	WIO
IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.	PAY
IN THE CONTRACT FRICE FOR THE FERTINENT OFF CONDOIT HEMS.	PER
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ITEM SPECIAL - MAILBOX REMOVE AND RESET	
THIS WORK SHALL CONSIST OF FURNISHING AND ERECTING MAILBOX SUPPORTS AND ANY ASSOCIATED MOUNTING HARDWARE IN ACCORDANCE WITH PLAN DETAILS, AND ATTACHING AN OWNER-SUPPLIED MAILBOX AT LOCATIONS SPECIFIED IN THE PLAN, OR OTHERWISE ESTABLISHED BY THE ENGINEER.	
WOOD POSTS SHALL BE NOMINAL 4 INCHES BY 4 INCHES SQUARE OR 4.5 INCHES DIAMETER ROUND, AND CONFORM TO 710.14.	
STEEL POSTS SHALL BE NOMINAL PIPE SIZE 2 INCHES I.D., AND CONFORM TO AASHTO M 181.	
ALL HARDWARE INCLUDING BUT NOT LIMITED TO PLATES, SCREWS, BOLTS, AND ETC. SHALL BE COMMERCIAL-GRADE GALVANIZED STEEL.	
POSTS SHALL BE SET PER THE FIRST PARAGRAPH OF 606.03, AND SHALL IN NO INSTANCE BE ENCASED IN CONCRETE.	
SUPPORT HARDWARE SHALL ACCOMMODATE EITHER A SINGLE OR A DOUBLE MAILBOX INSTALLATION, AND NO MORE THAN TWO BOXES MAY BE MOUNTED ON A SINGLE POST.	្ល
THE MAILBOX SHALL BE SECURELY AND NEATLY ATTACHED BY THE CONTRACTOR TO THE NEW SUPPORT. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ATTACHMENT HARDWARE (NUTS, BOLTS, PLATES, SPACERS, AND WASHERS) AS NECESSARY TO ACCOMMODATE THE COMPLETE INSTALLATION.	GENERAL NOTE
IN THE ABSENCE OF A NEW BOX SUPPLIED BY THE OWNER, THE CONTRACTOR SHALL SALVAGE THE EXISTING BOX AND PLACE IT ON THE NEW SUPPORT. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY BOX DAMAGED BY IMPROPER HANDLING ON HIS PART, AS JUDGED AND DIRECTED BY THE ENGINEER.	GEN
THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE LOCAL POST MASTER REGARDING THE TIMING OF THE MOVEMENT OF ANY MAILBOX TO A NEW LOCATION.	
PAYMENT UNDER THIS ITEM SHALL BE LIMITED TO FINAL PERMANENT INSTALLATIONS. TEMPORARY INSTALLATIONS SHALL BE IN ACCORDANCE WITH 107.10. HOWEVER, THE SAME MATERIAL AND SIZE LIMITATIONS AS FOR PERMANENT INSTALLATIONS SHALL APPLY.	
MAILBOX SUPPORTS, COMPLETE IN PLACE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH, FOR ITEM SPECIAL MAILBOX REMOVE AND RESET	
	Stantec 1500 LAKE SHORE DRIVE, SUITE 100 COLUMBUS, OH 43204 (614) 486-4383
	DESIGNER NMG REVIEWER BMH 11/30/22
	PROJECT ID 110867 SHEET TOTAL
	7 68

ITEM 614, MAINTAINING TRAFFIC

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

CONSTRUCTION OPERATIONS SHALL NOT BEGIN UNTIL ALL TRAFFIC CONTROL IS IN PLACE AND APPROVED BY ODOT PERSONNEL. THE CONSTRUCTION INSPECTOR SHALL APPROVE ALL TEMPORARY TRAFFIC CONTROL DEVICES FOR CONDITION AND LOCATION BEFORE THE CONTRACTOR WILL BE ALLOWED TO BEGIN WORK. IF THE CONTRACTOR DOES NOT COMPLY WITH THE STANDARDS, HIS PERMIT SHALL BE REVOKED AND ALL WORK SHALL BE TERMINATED.

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 AND 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. [AT THE APPROVAL OF THE ENGINEER, PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE USED IN LIEU OF THE STANDARD FLATSHEET SIGN FOR CLOSURE DURATIONS OF LESS THAN 1 WEEK.]

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP 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. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.

NOTICE OF CLOSURE SIGN TIME TABLE ITEM DURATION SIGN DISPLAYED OF CLOSURE TO PUBLIC

RAMP & >=2 WEEKS 14 CALENDAR DAYS PRIOR TO CLOSURE

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

CLOSURES <= 12 HOURS 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.

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR A PERIOD NOT TO EXCEED 45 CONSECUTIVE CALENDAR DAYS, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 10. A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT OF \$5,000 PER DAY FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT.

ITEM 614, MAINTAINING TRAFFIC (CONTINUED)

CONTRACTOR TO MAINTAIN PEDESTRIAN ACCESS ALONG S.R. 108 THROUGH WORK ZONE OR TO PROVIDE AN ADDITIONAL ROUTE AROUND WORK ZONE DURING ROAD CLOSURE PERIOD.

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.

SEQUENCE OF CONSTRUCTION

THE FOLLOWING IS A SUGGESTED SEQUENCE OF CONSTRUCTION THAT IS INTENDED TO MAINTAIN LOCAL TRAFFIC AS LONG AS POSSIBLE. S.R. 108 CAN NOT BE CLOSED UNTIL AFTER THE HENRY COUNTY ENGINEER PROJECT WORK ON OAKWOOD AVENUE IN NAPOLEON IS OPEN TO TRAFFIC. THE EARLIEST THIS WOULD BE IS JULY 17, 2023.

PHASE 1

THE CONTRACTOR IS TO CONSTRUCT ALL PROPOSED GRADING AND DRAINAGE OUTSIDE OF THE EXISTING PAVEMENT.

PHASE 2

THE CONTRACTOR IS TO CLOSE THE INTERSECTION OF S.R. 108 AND U.S. 24 RAMPS B/C TO THROUGH TRAFFIC FOR A LIMITED TIME OF 45 DAYS OR AT THE APPROVAL OF THE ENGINEER.

COMPLETE IMPROVEMENTS ON U.S. 24 RAMP B, AND U.S. 24 RAMP C. COMPLETE IMPROVEMENTS ON S.R. 108 FROM STA. 912+00 TO 924+10 UP TO SURFACE COURSE AND ALL APPURTENANCES. CONTRACTOR TO BUILD SIDEWALK FROM 905+38 THROUGH 925+84, INCLUDING THE RETAINING WALL, WALKWAY, AND GRADING UNDER THE U.S. 24 BRIDGES.

PHASE 3

THE CONTRACTOR IS TO OPEN S.R. 108, U.S. 24 RAMPS B/C TO THROUGH TRAFFIC. PERFORM MILLING OPERATIONS FROM 905+38 TO 912+00 BETWEEN OVERNIGHT HOURS 8:00 PM TO 8:00 AM, AS TO NOT AFFECT BUSINESS HOURS. INSTALL FINAL PAVEMENT SURFACE AND TRAFFIC CONTROL MARKINGS.

ENSURE THAT ALL TRAFFIC CONTROL SIGNAGE IS INSTALLED PRIOR TO OPENING TO TRAFFIC.

ALTERNATIVELY, CONTRACTOR CAN PERFORM PHASES 1 AND 3 OPERATIONS DURING PHASE 2 UNDER THE SAME LIMITED DETOUR RESTRICTIONS.

ITEM 614, DETOUR SIGNING

A LUMP SUM QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY TO INCLUDE FURNISHING, INSTALLING, MAINTAINING, AND REMOVING THE DETOUR SIGNING SHOWN ON THE PLANS AND THEIR NECESSARY SUPPORTS.

FLOODLIGHTING

FLOODLIGHTING OF THE WORK SITE FOR OPERATIONS CONDUCTED DURING NIGHTTIME PERIODS SHALL BE ACCOMPLISHED SO THAT THE LIGHTS DO NOT CAUSE GLARE TO THE DRIVERS ON THE ROADWAY. TO ENSURE THE ADEQUACY OF THE FLOODLIGHT PLACEMENT, THE CONTRACTOR AND THE ENGINEER SHALL DRIVE THROUGH THE WORK SITE EACH NIGHT WHEN THE LIGHTING IS IN PLACE AND OPERATIVE PRIOR TO COMMENCING ANY WORK. IF GLARE IS DETECTED, THE LIGHT PLACEMENT AND SHIELDING SHALL BE ADJUSTED TO THE SATISFACTION OF THE ENGINEER BEFORE WORK PROCEEDS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

CONTRACTOR TO MAINTAIN PEDESTRIAN ACCESS ALONG S.R. 108 THROUGH WORK ZONE OR TO PROVIDE AN ADDITIONAL ROUTE AROUND WORK ZONE DURING ROAD CLOSURE PERIOD.

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

15 M. GAL.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION. TYPE OF WORK. ROAD STATUS. DATE AND TIME OF RESTRICTION. DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

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CLOS REST

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

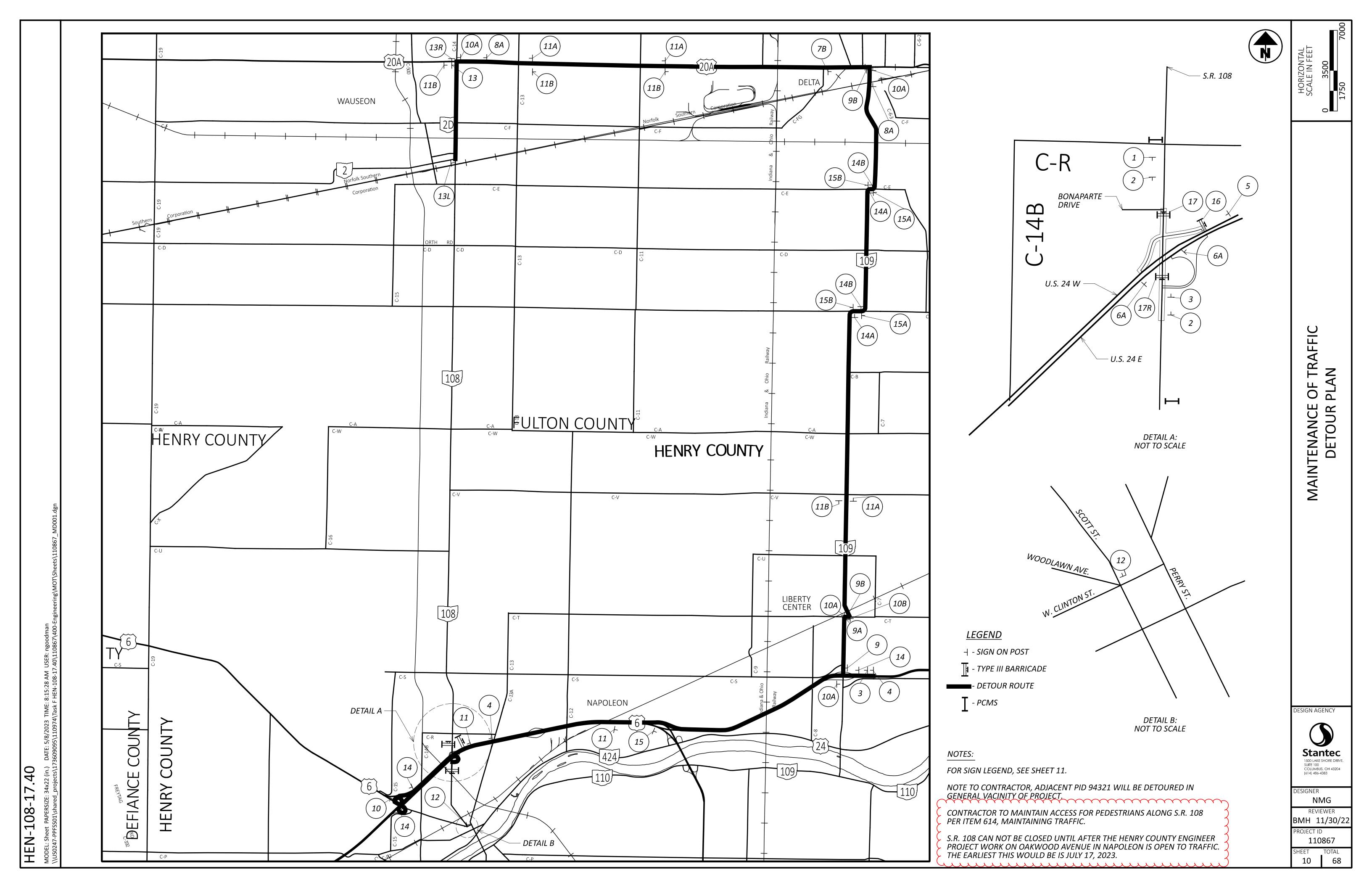
NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

NOTICE OF TRAFFIC RESTRICTIONS TIME TABLE					
ITEM	DURATION OF CLOSURE	NOTIFICATION DUE TO PERMITS & PIO			
AMP & ROAD .OSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE			
	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE			
	<= 12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE			
LANE	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE			
OSURES & TRICTIONS	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE			
TART OF STRUCTION TRAFFIC ATTERN HANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION			

NOTES ENERAL J TRAFFIC ш Ο AINTENANCE Ž





	1				:	SHEET NUN	' '.		1	1	1	1	PART.	ITEM	ITEM	GRAND	UNIT	
6	7	8	9	15	16	17	45	50	54	56	57	67			EXT	TOTAL 01/SAF/04		
LS														201	11000	LS		CLEARING AND GRUBBING
25				2										201	20010	2	EACH	HEADWALL REMOVED
				-		2,291	151							202	23000	2,442	SY	PAVEMENT REMOVED
				412										202	32000	412	FT	CURB REMOVED
				64										202	32500	64	FT	CURB AND GUTTER REMOVED
				501										202	35100	501	FT	PIPE REMOVED, 24" AND UNDER
				4										202	58000	4	EACH	MANHOLE REMOVED
				6										202	58100	6	EACH	CATCH BASIN REMOVED
				232										202	75000	232	FT	FENCE REMOVED
						2,186	28							203	10000	2,214	CY	EXCAVATION
						1 5 4 1								202	20000	1 5 4 5	CV	
						1,541 4,322	4 148							203 204	20000	1,545 4,470	CY SY	EMBANKMENT SUBGRADE COMPACTION
	3					4,322	148							204	45000	4,470	HOUR	PROOF ROLLING
	5			296										607	23000	296	FT	FENCE, TYPE CLT
				230										623	39500	230	EACH	MONUMENT ASSEMBLY ADJUSTED TO GRADE
				-										020		-	EXCIT	
				1										623	40000	1	EACH	MONUMENT ASSEMBLY REMOVED AND RESET
				1										623	40500	1	EACH	REFERENCE MONUMENT, TYPE A
														623	50000	LS		PRECONSTRUCTION SURVEY MONUMENT VER
														623	51000	LS		POST CONSTRUCTION SURVEY MONUMENT V
				2										SPECIAL	69050350	2	EACH	MAILBOX REMOVED AND RESET
								4						601	21050	4	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNE
					5									601	32200	5	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FIL
					236									601	34300	236	CY	ROCK CHANNEL PROTECTION, TYPE D WITHOU
	2				308									601	37501	308	FT	PAVED GUTTER, TYPE 1-2, AS PER PLAN
	2													659	00100	2	EACH	SOIL ANALYSIS TEST
	615													659	00300	615	СҮ	TOPSOIL
	5,532													659	10000	5,532	SY	SEEDING AND MULCHING
	277													659	14000	277	SY	REPAIR SEEDING AND MULCHING
	277													659	15000	277	SY	INTER-SEEDING
	0.77													659	20000	0.77	TON	COMMERCIAL FERTILIZER
	1.14													659	31000	1.14	ACRE	LIME
	31													659	35000	31	MGAL	WATER
					376									670	00720	376	SY	DITCH EROSION PROTECTION MAT, TYPE B
														832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN
														832	15002	LS		STORM WATER POLLUTION PREVENTION INSP
														832	15010	LS		STORM WATER POLLUTION PREVENTION INSP
														832	30000	27,216	EACH	EROSION CONTROL
					2.4									(0)	20000	2.4	CV	CONCRETE MASONRY
					2.4			82						602 605	20000 13300	2.4 82	CY FT	6" UNCLASSIFIED PIPE UNDERDRAINS
								2,330						605	13300	2,330	FT	6" BASE PIPE UNDERDRAINS
								97						611	00510	97	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLE
								85						611	00900	85	FT	6" CONDUIT, TYPE B
														011	00500	03		
					$\overline{\mathcal{A}}$									611	04400	7 3	FT	12" CONDUIT, TYPE B
					36									611	04600	36	FT	12" CONDUIT, TYPE C
				1	59					1		1		611	05900	59	FT	15" CONDUIT, TYPE B
					56									611	06100	56	FT	15" CONDUIT, TYPE C
					52									611	06400	52	FT	15" CONDUIT, TYPE D
					\sim											\sim		
														611	07400	31	FT	18" CONDUIT, TYPE B
					432									611	10400	432	FT	24" CONDUIT, TYPE B
					4									611	98150	4	EACH	CATCH BASIN, NO. 3
					4									611	98180	4	EACH	CATCH BASIN, NO. 3A
					2									611	98630	2	EACH	CATCH BASIN ADJUSTED TO GRADE
																<u> </u>		
					1									611	98634	1	EACH	CATCH BASIN RECONSTRUCTED TO GRADE
					5									611	99574	5	EACH	MANHOLE, NO. 3
	1				1									611	99654	1	EACH	MANHOLE ADJUSTED TO GRADE
								2						611	99710	2	EACH	PRECAST REINFORCED CONCRETE OUTLET

DESCRIPTION	SEE SHEET NO.	
ROADWAY		
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EROSION CONTROL		
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DRAINAGE		
		DECICIL ACENOV
		DESIGN AGENCY
		Stantec
		1500 LAKE SHORE DRIVE,
		SUITE 100 COLUMBUS, OH 43204 (614) 486-4383
		(614) 486-4383 DESIGNER
		NMG
		REVIEWER
		CNK 11/30/22
		PROJECT ID 110867
		SHEET TOTAL
		12 68

			I	1	5	SHEET NUN	1.	1	1	1	1		PART.	ITEM	ITEM	GRAND	UNIT	
6	7	8	9	15	16	17	45	50	54	56	57	67			EXT	TOTAL 01/SAF/04		
						4,524								254	01000	4,524	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1-1/4"
65						730								301	56000	795	CY	ASPHALT CONCRETE BASE, PG64-22, (449)
05						748	22							304	20000	770	СҮ	AGGREGATE BASE
						954	22							407	10000	954	GAL	TACK COAT
11						272								441	50000	283	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PC
17						160								441	50300	177	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (4-
						215								452	09010	215	SY	4" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC
							127							452	10010	127	SY	6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC
						355								452	12010	355		8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC
				11,689										608	13000	11,689	SF	6" CONCRETE WALK
				467										608	52000	467	SF	CURB RAMP
				1,639										609	12000	1,639	FT	COMBINATION CURB AND GUTTER, TYPE 2
60				879										609	26000	939	FT	CURB, TYPE 6
				229										609	28000	229	FT	CURB, TYPE 7
				315										609	31000	315	FT	COMBINATION CURB AND GUTTER, TYPE 9
					2									638	10800	2	EACH	VALVE BOX ADJUSTED TO GRADE
												12		625	00450	12	EACH	CONNECTION, FUSED PULL APART
				-								12		625	00460	12	EACH	CONNECTION, UNFUSED PULL APART
												24 10		625 625	00480	24	EACH EACH	CONNECTION, UNFUSED PERMANENT
												10		625	10490	10	EACH	LIGHT POLE, CONVENTIONAL: 32' 6" ROUND TAPERED A LIGHT POLE FOUNDATION, 24" X 6' DEEP
												10		025	14000	10	LACIT	
												30		625	23200	30	FT	NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE
												1,530		625	23400	1,530	FT	NO. 10 AWG POLE AND BRACKET CABLE
												1,599		625	23900	1,599	FT	1-1/2" DUCT CABLE WITH TWO NO. 6 AWG 2400 VOLT C
												50		625	25300	50	FT	CONDUIT, 1-1/2", 725.04
												10		625	26252	10	EACH	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), 59 WA
														625	27500		54.011	
												2 1,409		625 625	27500 29002	2 1,409	EACH FT	LUMINAIRE, UNDERPASS, COOPER/EATON, WKP-6B-LED TRENCH, 24" DEEP
												8		625	30700	8	EACH	PULL BOX, 725.08, 18"
												12		625	32000	12	EACH	GROUND ROD
												1		625	34001	1		POWER SERVICE, AS PER PLAN
												1,409		625	36010	1,409	FT	UNDERGROUND WARNING/MARKING TAPE
														625	37000	LS		SERVICE TO UNDERPASS LIGHTING
														625	39000	LS		TEMPORARY LIGHTING
												2		632	28200	2	EACH	DISCONNECT SWITCH WITH ENCLOSURE
										\sim	104			621	00100	104	EACH	RPM
										423.5				630	03100	423,5	FT	GROUND MOUNTED SUPPORT, NO. 3 POST
										240				630	80100	240	SF	SIGN, FLAT SHEET
										37				630	84900	(37)	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL
										5				630	85100	5	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION
														630	85400		EACH	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DI
										16				630	86002	16	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND
										POR	$\gamma \gamma \gamma$	\sim	\sim	630	86102		EACH	REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM
										33				630 630	97700 97900	2 33	EACH FT	SIGNING, MISC.: GROUND MOUNTED STRUCTURAL BEA SIGNING, MISC.: 6" X 8" SOLID WOOD POST, AS PER PLA
									1	ŮŮ		\square	لالالا					Signing, Misc.: 6 X & Solid Wood Post, AS PER PLA
											0.41			642	00104	0.41	MILE	EDGE LINE, 6", TYPE 1
											0.41			642	00300	0.42	MILE	CENTER LINE, TYPE 1
				1					1		100			644	00404	100	FT	CHANNELIZING LINE, 12"
						1	1		1	1	57			644	00500	57	FT	STOP LINE
														1				
											332			644	00630	332	FT	CROSSWALK LINE, 24"
											332			644	00630	332	FT	CROSSWALK LINE, 24"
											163			644	00700	163	FT	CROSSWALK LINE, 24" TRANSVERSE/DIAGONAL LINE
											163 58			644 644	00700	163 58	FT SF	CROSSWALK LINE, 24" TRANSVERSE/DIAGONAL LINE ISLAND MARKING
											163 58 9			644 644 644	00700 00900 01300	163 58 9	FT SF EACH	CROSSWALK LINE, 24" TRANSVERSE/DIAGONAL LINE ISLAND MARKING LANE ARROW
											163 58			644 644	00700	163 58	FT SF	CROSSWALK LINE, 24" TRANSVERSE/DIAGONAL LINE ISLAND MARKING

DESCRIPTION	SEE SHEET NO.	
PAVEMENT		
PG64-22		
448)		
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WATER WORK		
		GENERAL SUMMARY
LIGHTING		A⊳
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ALUMINUM WITH 8' DAVIT ARM		
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CABLES		Ш ()
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ATTS, 120 VOLT		
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TRAFFIC CONTROL		
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SUPPORT AND DISPOSAL	\sim	
AM FOUNDATION, AS PER PLAN	7	ESIGN AGENCY
	$\dot{\mathbf{x}}$	
		Stantec 1500 LAKE SHORE DRIVE,
		SUITE 100 COLUMBUS, OH 43204
		(614) 486-4383 DESIGNER
		NMG REVIEWER
		CNK 11/30/22
		PROJECT ID 110867
		SHEET TOTAL
		13 68

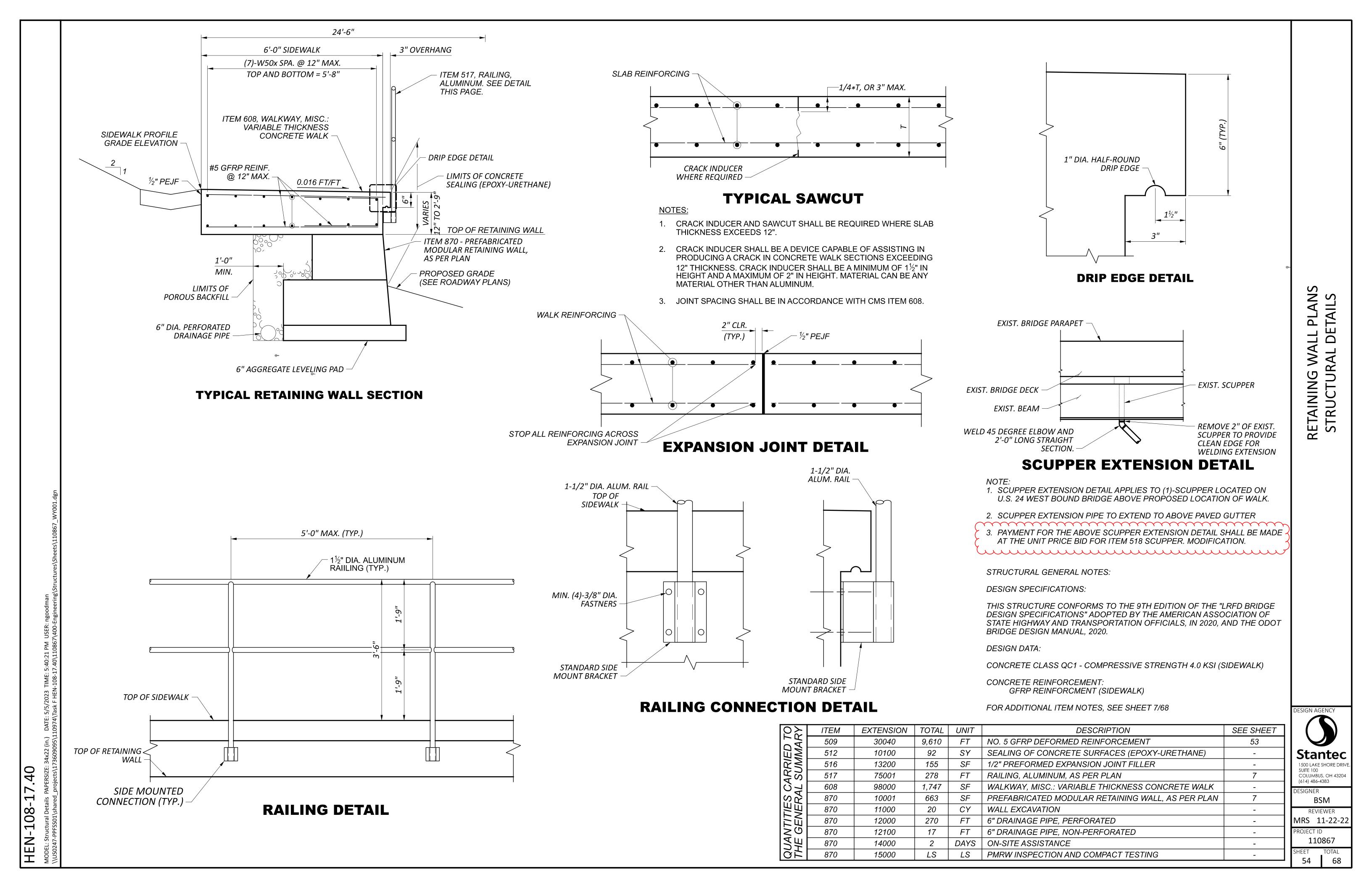
			1	1	<u> </u>	SHEET NUM	1.						PART.	ITEM	ITEM	GRAND	UNIT	
7	8	9	15	16	17	45	50	54	56	57	67	68			EXT	TOTAL 01/SAF/04		
												20		661	00500	20	СҮ	L MULCH
												8		661	14000	8	EACH	PERENNIALS, SCHIZACHYRIUM SCOPARIUM
												32		661	14000	32	EACH	PERENNIALS, SPOROBOLUS HETEROLEPIS
												449		661	99930	449	SY	PLANTING, MISC.: WASHED STONE, 2"-3"
					_							449		661	99930	449	SY	PLANTING, MISC.: LANDSCAPE FABRIC UNDER WASHED ST
												160		662	31000	160	GAL	LANDSCAPE WATERING
							_				-							RET
								9,610						509	30040	9,610	FT	NO. 6 GFRP DEFORMED BARS
								92						512	10100	92	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
								155						516	13200	155	SF	¹ / ₂ " PREFORMED EXPANSION JOINT FILLER
								278	\sim	\sim	\sim	\sim	\sim	V Stor	75001	278		RANNING ALUMINUMI, AS PER PLAN
									<u> </u>		\mathcal{L}		<u>, , , , , , , , , , , , , , , , , , , </u>	518	12800		EACH	SCUPPER, MODIFICATION
_								1,747		\sim		$\sim \sim \sim$		608	98000	1,747	SF	WALKWAY, MISC.: VARIABLE THICKNESS CONCRETE WALK
_			1	1	1			663						870	10001	663	SF	PREFABRICATED MODULAR RETAINING WALL, AS PER PLAN
	<u> </u>				1			20						870	11000	20	CY	WALL EXCAVATION
			1	1	1			270						870	12000	270	FT	6" DRAINAGE PIPE, PERFORATED
								17						870	12100	17	FT	6" DRAINAGE PIPE, NON-PERFORATED
_								2						870	14000	2	DAY	ON-SITE ASSISTANCE
								LS						870	15000	LS		PMRW INSPECTION AND COMPACTION TESTING
		40												614	11110	40	HOUR	MAINTE
		40												614	12420	40 LS	HUUK	DETOUR SIGNING
-		10												614	18601	10	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN
	15													616	10000	15	MGAL	WATER
														102	05000			
_				-										103 614	05000 11000	LS LS		PREMIUM FOR CONTRACT PERFORMANCE BOND AND FOR MAINTAINING TRAFFIC
														619	16010	8	MNTH	FIELD OFFICE, TYPE B
														623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING
														624	10000	LS		MOBILIZATION
-																		
				1														
					+													
			1															

DESCRIPTION	SEE SHEET NO.	
	NU.	
LANDSCAPING		
	68	
) STONE	68	
RETAINING WALLS		
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ALK	7	
LAN	7	
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		GENERAL SUMMARY
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SSISTANCE	8	
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INCIDENTALS		
FOR PAYMENT BOND		
		1
		1
		1
		1
		DESIGN AGENCY
		Stantec
		SUITE 100
		COLUMBUS, OH 43204 (614) 486-4383
		NMG REVIEWER
		CNK 11/30/22
		PROJECT ID
		110867
		SHEET TOTAL 14 68
		00

								202				607	60)8		60)9			623		SPEC	
REF NO.	SHEET NO.	STA	FION	SIDE	PIPE REMOVED, 24" & UNDER	HEADWALL REMOVED	CURB REMOVED	CURB & GUTTER REMOVED	CATCH BASIN REMOVED	MANHOLE REMOVED	FENCE REMOVED	FENCE, TYPE CLT	6" CONCRETE WALK	CURB RAMP	COMBINATION CURB AND GUTTER, TYPE 2	CURB, TYPE 6	CURB, TYPE 7	COMBINATION CURB AND GUTTER, TYPE 9	MONUMENT ASSEMBLY ADJUSTED TO GRADE	MONUMENT ASSEMBLY REMOVED AND RESET	REFERENCE MONUMENT, TYPE A	MAILBOX REMOVED AND RESET	
		FROM	TO		FT.	EACH	FT.	FT.	EACH	EACH	FT.	FT.	SQ. FT.	SQ. FT.	FT.	FT.	FT.	FT.	EACH	EACH	EACH	EACH	
	$\gamma \gamma \gamma$																						
R1 R2		906+38.79 OMI	906+82.42	LT				48															
R3	19	907+31.02	907+42.46	LT				16															
R4	21	914+	00.45	RT	63					1													
R5	21	915+		LT	28				1														
R5A	21	915+		RT						1													
R6 R7	21 21	915+ 916+		RT LT	21				1														
R8	21	916+		RT	21				1	1													
R9	21	916+		RT	7				1	-													
R10	21	917+		LT	21				1														
R11	21	917+		RT	100					1													
R12	21		25.12	RT	7				1														 ∑
R13	21-22	917+00.00	919+14.94	LT			215																 SUBSUMMARY
R14 R15	21-22 22	917+00.00 920+51.55	918+97.00 920+79.01	RT RT	29	1	197																 Σ
R15	22	920+51.55		RT	29	1																	 IΣ
R17	22	922+		RT		-																1	
R18	25	923+		RT																		1	BS
C1	19	906+38.79	906+82.42	LT											48								
C2 C3	19	907+31.02 917+00.00	907+42.46 919+64.12	ม เา											16								
C3 C4	21-22 21-22	917+00.00	919+64.12	RT											272 326								
C4 C5	21-22	918+18.05	919+15.30	LT/RT											520	219							
C6	22	60+00.00 ('WR')	60+41.88 ('WR')	RT												45							
C7	22, 25	160+00.00 ('NW')	924+10.00	LT											479								
C8	22	919+32.76	920+32.74	LT/RT														315					
C9	22	919+46.43	920+19.08	LT/RT												100	229						
C10	22 22, 25	70+03.90 ('ER') 174+90.62 ('NE')	71+91.48 ('ER') 924+10.00	RT RT											498	190							
C11 C12	22, 25	920+52.53	922+49.79	LT/RT											490	425							
		520152.55	522145.75													725							
P1	19	905+37.69	906+78.84	LT									561	59									
P2	19-21	907+31.47	914+10.60	LT									4019	74									
P3	21-22	916+83.07	919+59.58	LT									1635	60									
P4	22, 25	919+76.13	925+20.16										3122	62								┥ ┥	
P5 P6	22 22	920+74.82 920+72.12	920+84.78 920+79.20	LT RT									223	66 64									
P7	22, 25	920+72.28	925+15.98	RT									2128	52									
P8	25	925+77.25	925+83.99	LT										30									1
F1	19-20	907+48.58	909+80.22	LT							232	232											
F2	21	915+35.64	915+98.85	LT								64											
MN1	22	909+	L 74.40	-															1				
MN2	22	911+		-															1				
MN3	22		00.00	-																1	1		DESIGN AGENCY
																							 Stantec
																							 1500 LAKE SHORE DRIV SUITE 100
																							 COLUMBUS, OH 43204 (614) 486-4383
																							NMG REVIEWER
																							DEVIEV/ED
																							 CNK 11/30/22 PROJECT ID
		TALS CARRIED TO GENI			501		412	64			232	296	11,689	467	1,639	879	229	315					CNK 11/30/22

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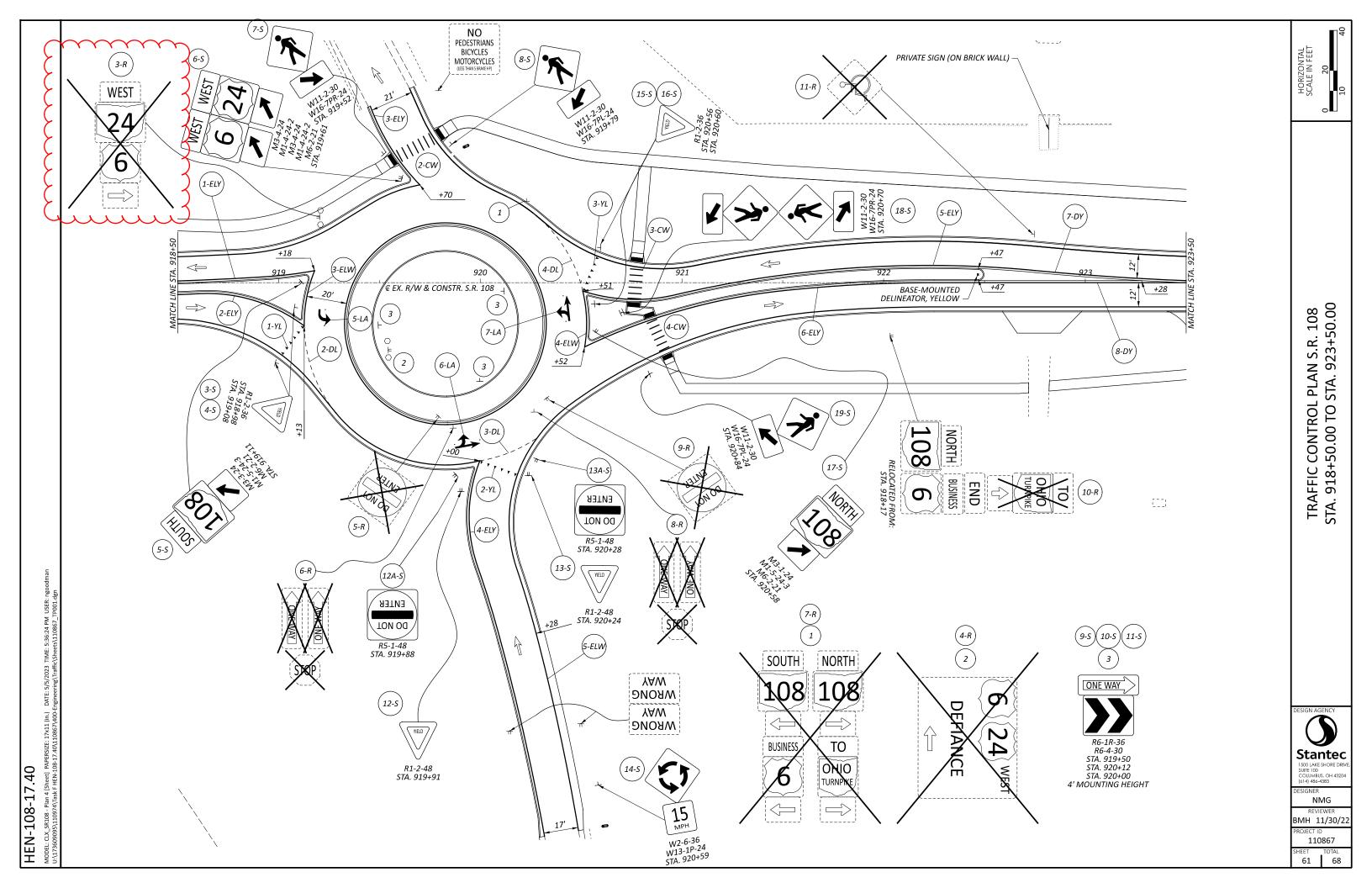
					601	1	602				611				611	611	611	611	611	611	638	670	T
REF NO.	SHEET NO.	STATION	SIDE	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	CHANNEL PROTECTION, TYPE	v GUTTER, TYPE 1-2, AS PER	RETE MASONRY	CONDUIT, TYPE B	CONDUIT, TYPE C	ONDUIT, TYPE B	CONDUIT, TYPE C	CONDUIT, TYPE D	DNDUIT, TYPE B	CONDUIT, TYPE B	BASIN, NO. 3	BASIN, NO. 3A	NHOLE, NO. 3	BASIN ADJUSTED TO GRADE	BASIN RECONSTRUCTED TO	IOLE ADJUSTED TO GRADE	BOX ADJUSTED TO GRADE	DITCH EROSION PROTECTION MAT, TYPE B	
				ROCK C WITI	D	PAVED	CONCRETE	12" CC	12" CC	15" COI	15" CC	15" CC	18" COI	24" CC	САТСН	САТСН	MA	САТСН	CATCH GRADE	MANHOL	VALVE	DITCH TYPE E	
		FROM TO		CU. YD.	CU. YD.	FT.	CU. YD.	FT.	FT.	FT.	FT.	FT.	FT.	FT.	EACH	EACH	EACH	EACH	EACH	EACH	EACH	SQ. YD.	
D1	21	S.R. 108 913+92.15 916+94.90	LT			308																	
D1 D2	21	914+00.45	RT			508	0.43	10						73			1						
D3	21	913+92.15 916+94.90	LT		236																		
D4	21	915+25.02	LT					28								1							11
D4A	21	915+25.34 915+25.52	RT RT											125		1	1						11
D5 D6	21 21	915+25.52 916+24.94						21							1	1							{
D7	21	916+24.83	RT					21						100	-		1						11
D8	21	916+24.91	RT					\sim					\sim		1								Í I
D9	21	917+24.29	LT										3 1			1							11
D10	21	917+24.68	RT					ĻŲ						100			1						{
D11 D12	21 22	917+25.12 920+02.61 920+14.45	RT LT	1			0.50	7				27				1							{
D13	22	920+50.32 920+50.26	RT	1			0.46					27		34									11
D14	22	920+89.16	LT							49					1								11
D15	22	920+85.00	RT							10					1								11
D16	22	920+61.33 921+25.00	RT	2			0.45		36		56	25					1						
D17	22	920+66.71 920+91.08	LT	1			0.50					25											
EC1	22	918+49.61 7191.14 ('ER')	RT																			376	
																							11
S1	19	906+50.03																	1				11
S2 S3	19 20	906+50.35 912+51.30																1		1			{
55 S4	20	917+01.12																1					
WV1	19	905+69.69																			1		11
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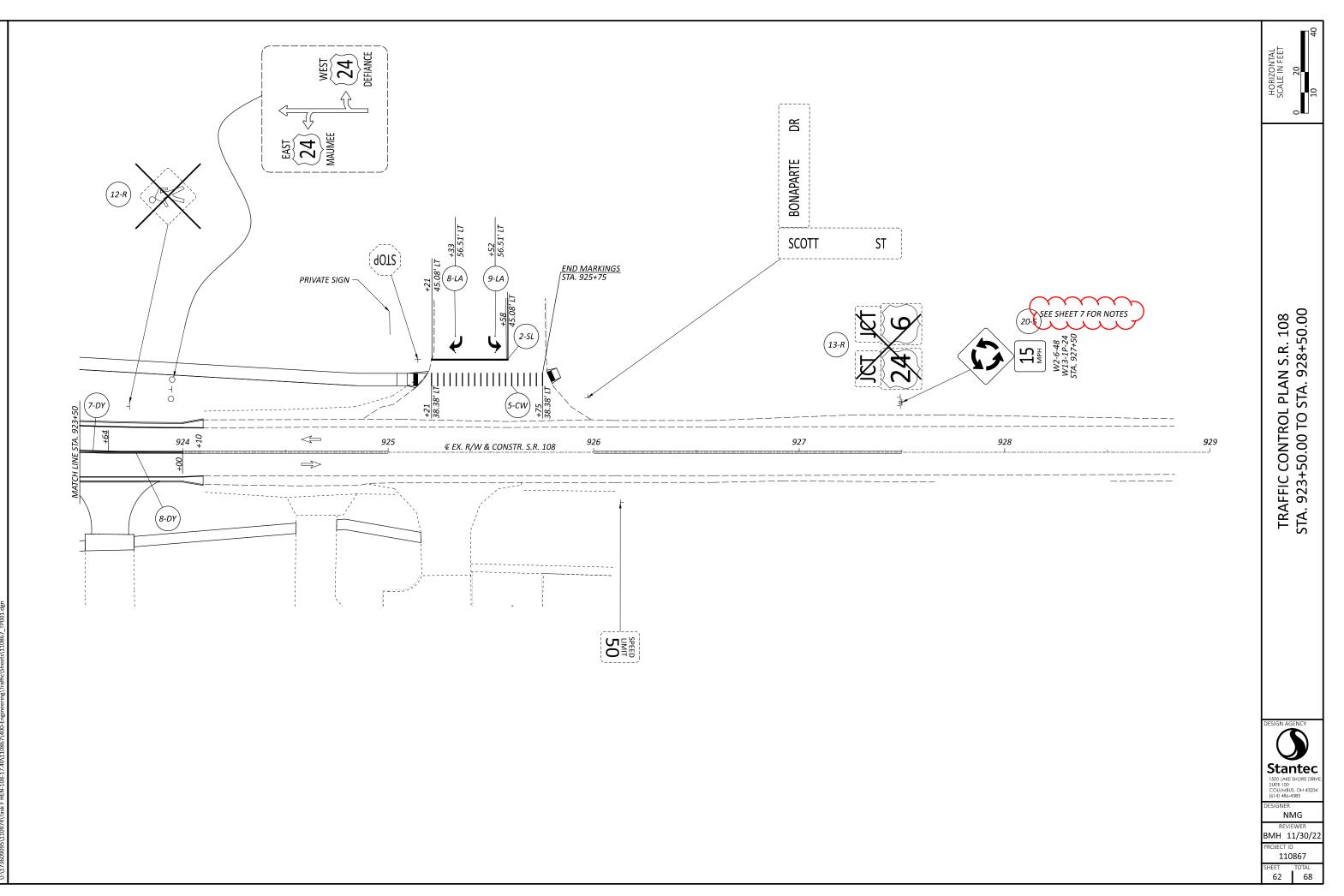


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SHEET NO. REF NO.	LOCATION	STATION	SIDE	CODE	SIZE	(INCHES)	SIGN, FLAT SHEET	GROUND MOUNTED SIGN SUPPORTS, NO. POST	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL	REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL	SIGNING, MISC.: GROUND MOUNTED STRUCTURAL BEAM FOUNDATION, AS PER PLAN	SIGNING, MISC.: 6" X 8" SOLID WOOD POST, AS PER PLAN	
							SF	FT	EACH	EACH	EACH	EACH	EACH	EACH	FT)
61 17-S	S.R. 108	920+58	RT	M3-1-24 M1-5-24-3	24 x	12	2.00 4.00	25.00						LLL		
			+	M1-3-24-3 M6-2-21	24 x	15	2.19									
<u></u>	6.5.400	000.70						44.05								
61 18-S	S.R. 108	920+70	RT	W11-2-30 W16-7PR-24	30 x		12.50 4.00	14.25								
61 19-S	S.R. 108	920+84	RT	W11-2-30 W16-7PL-24	30 x		6.25 2.00	14.25								
			+'	vv 10-7PL-24	24 X	12	2.00									
61 10-R	S.R. 108	922+05	RT						2	3	5					
61 11-R	S.R. 108	922+75	LT		+				1	1						
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62 12-R	S.R. 108	923+74	LT				\sim		1							
62 20-S	S.R. 108	927+50	Ц	W2-6-48	48 x	48	16.00							2	33	
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62 13-R	S.R. 108	927+48	LT		+				2	4						
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HEN-108-17.40 MODEL: CLX_SR108 - Plan 5 [Sheet] PAPERSIZE: 17X11 (in.) DATE: 5/5/2023 TIME: 5:36:26 PM USER: ngoodman UN173609055110974(Task F HEN-108-17.40)110687/400-Engineerine()Traffic/Sheets/110687_TPO01.4gn