MAINTENANCE OF TRAFFIC

DRUM REQUIREMENTS

IN ADDITION TO THE REQUIREMENTS OF THE PLANS, SPECIFICATION AND PROPOSAL, DRUMS FURNISHED BY THE CONTRACTOR SHALL BE NEW AND UNUSED AT THE TIME OF ARRIVAL ON THE PROJECT. ANY DRUMS BROUGHT ON THE PROJECT, WHICH HAVE PREVIOUSLY BEEN USED ELSEWHERE, WILL NOT BE ACCEPTED.

PAYMENT FOR DRUMS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR MAINTAINING TRAFFIC UNLESS SEPARATELY ITEMIZED.

PERMITTED LANE CLOSURE SCHEDULE (PLCS)

LANE CLOSURE(S) SHALL CONFORM TO THE PLCS. PUBLISHED PLCS INFORMATION CAN BE FOUND ON THE ODOT WEBSITE.

THE MONTHLY PUBLISHED SCHEDULES REQUIRED TO BE USED, FOR EACH PLCS SEGMENT WITHIN THE PROJECT AREA, ARE THOSE THAT COMPRISE THE CONSECUTIVE 12-MONTH PERIOD BEGINNING 15 MONTHS PRIOR TO THE MONTH AND YEAR OF SALE AND ENDING 4 MONTHS PRIOR TO THE MONTH AND YEAR OF SALE. THESE SAME 12 MONTHS APPLY FOR THE LIFE OF THE PROJECT AND SHALL BE APPLIED TO EACH RESPECTIVE MONTH OF CONSTRUCTION (MONTH OF LANE CLOSURE(S) SHALL MATCH MONTH OF PLCS USED). LANE CLOSURE(S) IN PLACE FOR MULTIPLE MONTHS SHALL ALWAYS COMPLY WITH THE CURRENT RESPECTIVE MONTH.

(FOR EXAMPLE: IF THE SALE DATE FOR THE PROJECT WAS MARCH OF 2021, THE MONTHLY PUBLISHED SCHEDULES FOR EACH APPLICABLE PLCS SEGMENT WOULD BE DECEMBER 2019 TO NOVEMBER 2020. IF THIS WAS A THREE-YEAR PROJECT, YEAR THREE WOULD STILL BE USING THE DECEMBER 2019 TO NOVEMBER 2020 MONTHLY SCHEDULES. IF THE PROJECT DESIRED TO CLOSE TWO LANES IN JUNE 2021, REFERENCE WOULD BE MADE TO THE JUNE 2020 SCHEDULE(S) FOR THE RESPECTIVE PLCS SEGMENT(S). IF THE SAME TWO LANES WERE DESIRED TO BE CLOSED AGAIN IN JULY 2021, REFERENCE WOULD BE MADE TO THE JULY 2020 SCHEDULE(S) FOR THE RESPECTIVE PLCS SEGMENT(S).)

MORE RESTRICTIVE CHANGES TO THE ALLOWABLE LANE CLOSURE HOURS ARE AT THE DISCRETION OF THE ENGINEER IN ORDER TO COMPLY WITH THE TRAFFIC MANAGEMENT IN WORK ZONES POLICY (21-008(P)) AND STANDARD PROCEDURE (123-001(SP)).

LESS RESTRICTIVE CHANGES TO THE ALLOWABLE LANE CLOSURE HOURS ARE SUBJECT TO THE TRAFFIC MANAGEMENT IN WORK ZONES POLICY (21-008(P)) AND STANDARD PROCEDURE (123-001(SP)) AND SHALL NOT BE IMPLEMENTED UNTIL, AND UNLESS, APPROVED BY THE PROPER ODOT AUTHORITY. EXISTING MOT EXCEPTIONS THAT HAVE ALREADY BEEN APPROVED IN ACCORDANCE TO THE TRAFFIC MANAGEMENT IN WORK ZONES POLICY AND STANDARD PROCEDURE ARE DETAILED IN THE APPROVED MAINTENANCE OF TRAFFIC (MOT) POLICY EXCEPTION(S) PLAN NOTE.

ALLOWABLE LANE CLOSURE HOURS FOR FACILITIES NOT COVERED BY THE PLCS, IF ANY, SHALL BE AS SPECIFIED ELSEWHERE IN THE PLANS.

ITEM 622, PORTABLE BARRIER, 50", AS PER PLAN A

THIS WORK SHALL CONSIST OF FURNISHING, MAINTAINING, AND SUBSEQUENTLY REMOVING A 50-INCH PORTABLE BARRIER AT THE LOCATIONS SHOWN ON THE PLANS. FOR DETAILS, SEE SCD RM-4.1.

PORTABLE STEEL BARRIER IS AN APPROVED ALTERNATIVE TO PORTABLE CONCRETE BARRIER. FOR INFORMATION ON APPROVED VENDORS, SEE THE APPROVED PRODUCTS LIST MAINTAINED BY THE OFFICE OF ROADWAY ENGINEERING.

PORTABLE BARRIER, 32 INCHES HIGH WITH AN 18-INCH MINIMUM HEIGHT GLARE SCREEN MAY BE USED AT THE OPTION OF THE CONTRACTOR. THE GLARE SCREEN SHALL BE CONSTRUCTED USING ONE OF THE SCREENS PROVIDED ON THE APPROVED LIST, AVAILABLE ON THE OFFICE OF ROADWAY ENGINEERING WEBSITE.

PADDLE OR INTERMITTENT TYPE GLARE SCREENS SHALL BE DESIGNED USING A 20 DEGREE CUT-OFF ANGLE BASED ON TANGENT ALIGNMENT. THAT SPACING SHALL BE USED THROUGHOUT THE BARRIER LENGTH WITHOUT REGARD TO BARRIER CURVATURE.

THE GLARE SCREEN SYSTEM SHALL BE SECURELY FASTENED TO THE 32-INCH PORTABLE BARRIER USING THE HARDWARE AND PROCEDURES SPECIFIED BY THE MANUFACTURER.

FOR DIRECTIONS ON HOW TO INSTALL THE GLARE SCREEN AND THE BARRIER, SEE THE MANUFACTURER'S INSTRUCTIONS.

PAYMENT SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND SHALL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR ITEM 622, PORTABLE BARRIER, 50", AS PER PLAN.

ITEM 622, PORTABLE BARRIER, 50", AS PER PLAN B

THIS ITEM SHALL MEET ALL THE REQUIREMENTS OF ITEM 622, PORTABLE BARRIER, 50", AS PER PLAN WITH THE EXCEPTION THAT THE BARRIER SHALL BE ANCHORED PER RM-4.2.

PAYMENT SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND SHALL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR ITEM 622, PORTABLE BARRIER, 50", AS PER PLAN B.

WORK ZONE INCREASED PENALTIES SIGN (R11-H5A)

R11-H5A-48 SIGNS SHALL BE FURNISHED, ERECTED, AND MAINTAINED IN GOOD CONDITION AND/OR REPLACED AS NECESSARY AND SUBSEQUENTLY REMOVED BY THE CONTRACTOR. SIGNS SHALL BE MOUNTED AT THE APPROPRIATE OFFSETS AND ELEVATIONS AS PRESCRIBED BY THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THEY SHALL BE MAINTAINED ON SUPPORTS MEETING CURRENT SAFETY CRITERIA.

THE SIGNS MAY BE ERECTED OR UNCOVERED NO MORE THAN FOUR HOURS BEFORE THE ACTUAL START OF WORK. THE SIGNS SHALL BE REMOVED OR COVERED NO LATER THAN FOUR HOURS FOLLOWING RESTORATION OF ALL LANES TO TRAFFIC WITH NO RESTRICTIONS, OR SOONER AS DIRECTED BY THE ENGINEER. TEMPORARY SIGN COVERING AND UNCOVERING DUE TO TEMPORARY LANE RESTORATIONS SHALL BE GUIDED BY THE FOUR-HOUR LIMITATIONS STATED ABOVE. SUCH LANE RESTORATIONS SHOULD BE EXPECTED TO REMAIN IN EFFECT FOR 30 OR MORE CONSECUTIVE CALENDAR DAYS, SUCH AS DURING WINTER SHUTDOWNS.

THE SIGNS ON THE MAINLINE SHALL BE DUAL MOUNTED UNLESS NOT PHYSICALLY POSSIBLE. THE FIRST SIGN SHALL BE PLACED BETWEEN THE ROAD WORK AHEAD (W20-1) SIGN AND THE NEXT SIGN IN THE SEQUENCE. SIGNS SHALL BE ERECTED ON EACH ENTRANCE RAMP AND EVERY 2 MILES THROUGH THE CONSTRUCTION WORK LIMITS. SIGNS ON THE MAINLINE SHALL BE R11-H5A-48. SIGNS USED ON THE RAMPS SHALL BE R11-H5A-24. R11-H5A-24 SIGNS MAY BE USED IN THE MEDIAN IN LIEU OF R11-H5A-48 SIGNS IF IT IS NOT PHYSICALLY POSSIBLE TO PROVIDE R11-H5A-48 SIGNS IN THE MEDIAN.

THE R11-H5A-48 SIGNS SHALL BE MOUNTED ON 2 NO. 3 POSTS WHEN LOCATED WITHIN CLEAR ZONES.

THE CONTRACTOR MAY USE SIGNS AND SUPPORTS IN USED, BUT GOOD, CONDITION PROVIDED THE SIGNS MEET CURRENT ODOT SPECIFICATIONS.

WORK ZONE INCREASED PENALTIES SIGNS AND SUPPORTS WILL BE MEASURED AS THE NUMBER OF SIGN INSTALLATIONS, INCLUDING THE SIGN AND NECESSARY SUPPORTS. IF A SIGN AND SUPPORT COMBINATION IS REMOVED AND REERECTED AT ANOTHER LOCATION AS DIRECTED BY THE ENGINEER, IT SHALL BE CONSIDERED ANOTHER UNIT.

PAYMENT FOR ACCEPTED QUANTITIES, COMPLETE, IN PLACE WILL BE MADE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIALS, LABOR, INCIDENTALS AND EQUIPMENT FOR FURNISHING, ERECTING, MAINTAINING, COVERING DURING SUSPENSION OF WORK, AND REMOVAL OF THE SIGN AND SUPPORT.

ITEM 614, WORK ZONE INCREASED PENALTIES SIGN 42 EACH

SEE MOT PLAN SHEETS AND REFERENCED STANDARD CONSTRUCTION DRAWINGS FOR PLACEMENT LOCATIONS.

TEMPORARY TRAFFIC CONTROL DEVICES

THE CONTRACTOR SHALL FURNISH MASH COMPLIANT APPROVED DEVICES FOR THE FOLLOWING ITEMS:

- WORK ZONE (TEMPORARY) IMPACT ATTENUATORS (CMS 614)
- PORTABLE BARRIER (CONCRETE; STEEL) (CMS 622)
- TRUCK/TRAILER MOUNTED ATTENUATORS (CMS 614)

THE REQUIREMENT APPLIES TO BOTH STANDARD SPEC. AND AS PER PLAN ITEMS INCLUDED IN THE PLANS.

WORK ZONE SPEED ZONES (WZSZS)

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

WZSZ REVISION NUMBER(S) COUNTY-ROUTE-SECTION(S) DIRECTION(S)
WZ-65288-00 CUY-77-11.21 NB/SB

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

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

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

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

WZSZS USING DSL SIGN ASSEMBLIES SHALL BE IN ACCORDANCE WITH THIS NOTE, APPROVED LIST, SUPPLEMENTAL SPECIFICATIONS (SS) 808 AND 908, AND TRAFFIC SCD MT-104.10.

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

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

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

ORIGINAL POSTED SPEED LIMIT	WITH POSITIVE PROTECTION		WITHOUT POSITIVE PROTECTION	
	WORKERS PRESENT	WORKERS NOT PRESENT	WORKERS PRESENT	WORKERS NOT PRESENT
70	60	65	55	65
65	55	60	50	60
60	55	60	50	60
55	50	55	45	55

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 808, DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY 480 SIGN MONTH
ASSUMING 10 DSL ASSEMBLIES FOR 48 MONTHS

EARTHWORK FOR MAINTAINING TRAFFIC

THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED IN THE PLAN FOR INFORMATION ONLY.

EXCAVATION FOR MAINTAINING TRAFFIC 30154 CU. YD.

EMBANKMENT FOR MAINTAINING TRAFFIC 2406 CU. YD.

WHEN UNDERCUTS ARE NECESSARY FOR MAINLINE PAVEMENT OR EMBANKMENT CONSTRUCTION, EVALUATE THE NEED FOR TEMPORARY ROAD UNDERCUTS IF WITHIN A CLOSE PROXIMITY TO THE MAINLINE UNDERCUTS. A GEOTECHNICAL EVALUATION SHOULD BE CONSIDERED TO DETERMINE IF THE EXISTING SOIL CONDITIONS ARE ADEQUATE TO SUPPORT THE TEMPORARY ROAD. ADDITIONAL SOIL BORINGS ALONG THE TEMPORARY ROAD ARE NOT NORMALLY REQUIRED.

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.

ITEM 614, WORK ZONE IMPACT ATTENUATOR FOR 24" WIDE HAZARDS (UNIDIRECTIONAL OR 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.

ITEM 614, WORK ZONE IMPACT ATTENUATOR, MISC.: 48" WIDE HAZARD (UNIDIRECTIONAL)

THIS ITEM CONSISTS OF FURNISHING AND INSTALLING A NON-GATING IMPACT ATTENUATOR FOR PLACEMENT WHEN TWO RUNS OF PORTABLE BARRIER COME TOGETHER AS DESCRIBED IN MT-98.21. IMPACT ATTENUATOR SHALL BE AT A MINIMUM 48" WIDE, RATED FOR THE DESIGN SPEED OF THE ROADWAY, AND MUST BE CRASHWORTHY IN ACCORDANCE WITH MASH-16. INSTALLATION SHALL BE PER THE MANUFACTURE'S INSTRUCTIONS. THE CONTRACTOR SHALL REPAIR OR REPLACE A DAMAGED UNIT WITHIN 24 HOURS OF A DAMAGING IMPACT.

PAYMENT FOR THE ABOVE SHALL BE MADE AT THE UNIT PRICE BID AND SHALL INCLUDE ALL LABOR, TOOLS , EQUIPMENT AND MATERIALS TO CONSTRUCT AND MAINTAIN A COMPLETE AND FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED BACKUPS, TRANSITIONS, LEVELING PADS, HARDWARE, AND GRADING AS REQUIRED BY THE MANUFACTURER.

MAINTENANCE OF TRAFFIC GENERAL NOTES

DESIGN AGENCY
HNTB

DESIGNER MTD

REVIEWER MTR 05/01/26

PROJECT ID 105743

SHEET P.32 TOTAL P.1274

CUY-77-11.41 - PART 1

MODEL: Unnamed Plan-1 - Sheet 4 (Sheet) PAPERSIZE: 34x22 (in.) DATE: 11/16/2026 TIME: 2:51:29 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: alyra@hntb.com WORKSPACE: OHDOTCEv02 WORKSET: 105743 PRODUCT: OpenRoadsDesigner 24.00.03.05
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PHASE	ROAD	DIR.	BEGIN STA.	END STA.	202 WEARING COURSE REMOVED SY	254 PAVEMENT PLANING, ASPHALT CONCRETE (T=1.5") SY	407 NON-TRACKING TACK COAT (0.085 GAL/SY) GAL	441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), AS PER PLAN (T=1.25") CY	441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), AS PER PLAN (T=1.5") CY	614 INCREASED BARRIER DELINEATION FT	614 WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS (UNIDIRECTIONAL) EACH	614 WORK ZONE IMPACT ATTENUATOR, MISC.:48" WIDE HAZARD (UNIDIRECTIONAL) EACH	614 ASPHALT CONCRETE FOR MAINTAINING TRAFFIC CY	614 BARRIER REFLECTOR, TYPE 1, 1 WAY EACH	614 BARRIER REFLECTOR, TYPE 1, BIDIRECTIONAL EACH	614 BARRIER REFLECTOR, TYPE 2, 1 WAY EACH	614 OBJECT MARKER, ONE WAY EACH	614 OBJECT MARKER, TWO WAY EACH	614 WORK ZONE GORE MARKING, CLASS II, 740.06, TYPE I FT	615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A SY	622 PORTABLE BARRIER, 50", AS PER PLAN A FT	622 PORTABLE BARRIER, 50", AS PER PLAN B FT	622 PORTABLE BARRIER, UNANCHORED FT	622 PORTABLE BARRIER, ANCHORED FT	630 SIGN, TEMPORARY OVERLAY SF
PAVEMENT FOR MOT																									
	IR-77	NB	86+50	93+00																418					
	IR-77	NB	219+27	220+44																53					
	IR-77	NB/SB	74+90																	67					
	IR-77	NB/SB	110+00																	112					
	IR-77	SB	75+50	78+50																134					
	IR-77	SB	84+50	87+00																223					
	IR-77	SB	87+00	99+00																534					
	IR-77	SB	99+00	106+50																834					
	IR-77	SB	109+00	110+00																112					
	IR-77	SB	110+75	115+50																264					
	IR-77	SB	120+00	120+25																28					
	IR-77	SB	120+25	126+00																256					
	IR-77	SB	126+00	129+00																334					
	IR-77	SB	129+00	134+00																278					
	RUFFINI																			27					
	IR-77	SB	194+00																	23					
	IR-77	SB	196+00	199+50																195					
SUBTOTALS FOR PAVEMENT FOR MOT																				3892					
CROSSOVER INSTALLATION																									
SOUTH CROSSOVER			69+50	74+50		556	48						50												
NORTH CROSSOVER			220+83	225+40		889	76						80												
SUBTOTALS FOR CROSSOVER INSTALLATION						1445	124						130												
~~SACRIFICIAL SURFACE COURSE~~																									
	IR-77	SB	74+50	204+03		80597	6851	2799																	
	IR-77	SB	204+03	220+83		5040	429	175																	
	IR-77	SB	84+00	108+65		3053	260	106																	
	IR-77	SB	119+58	127+07		1118	96	39																	
	IR-77	SB	150+65	157+34		867	74	31																	
	IR-77	SB	165+60	192+13		2798	238	98																	
	IR-77	SB	201+50	213+75		1606	137	56																	
	IR-77	NB	74+50	220+83		28860	2454		1203																
SUBTOTALS FOR SACRIFICIAL SURFACE COURSE INSTALLATION						123939	10539	3304	1203																
PRE-PHASE 1 SUBTOTALS FROM SHEET 43						3985	343	170			12	4		633			633						29120	730	150
PHASE 1A SUBTOTALS FROM SHEET 43										1000					134			78			2700	950			
PHASE 1A SUBTOTALS FROM SHEET 44						66	7	3		10340	16	5		588	805	58	821	249	100		7950	4050	22920	750	
PHASE 1B SUBTOTALS FROM SHEET 44							32			1100	1	1	45	167			191		100				9050	100	
PHASE 1C SUBTOTALS FROM SHEET 45							77			950	2		101	41	39		62	39			2850		1900		
PHASE 1 OVERLAYS SUBTOTALS FROM SHEET 45																									404
PHASE 2 SUBTOTALS FROM SHEET 45										6634	3			14	432		60	241			11350	2300	600		
PHASE 3A SUBTOTALS FROM SHEET 46					1834		219			3465	4	3	557	523			891		300		600		12100	750	
PHASE 3B SUBTOTALS FROM SHEET 46											1			95			95						4380		
PHASE 3C SUBTOTALS FROM SHEET 46										3625	2	3		16			94						4280		
PHASE 3 OVERLAYS SUBTOTALS FROM SHEET 46																									162
SIGN OVERLAYS																									
2	IR-77	NB	208+50																						9
TOTALS CARRIED TO GENERAL SUMMARY					1834	129435	11341	3477	1203	27114	41	16	833	2077	1410	58	2847	607	500	3892	25450	7300	84350	2330	725

MAINTENANCE OF TRAFFIC SUBSUMMARY

DESIGN AGENCY
HNTB

DESIGNER JEM

REVIEWER MTR 05/01/26

PROJECT ID 105743

SHEET P.47 TOTAL P.1274

CUY-77-11.41 - PART 1

MODEL: Unnamed Plan-10 - Plan 11 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 11/16/2026 TIME: 2:45:08 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: alyra@hntb.com WORKSPACE: OHDOTCEv02 WORKSET: 105743 PRODUCT: OpenRoadsDesigner 24.00.03.05
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SHEET NUMBER											PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.27	P. 286	P. 288	P.294	P.296	P.711	P.746	P.753	P.1030			01/IMS	02/IMS	03/IMS						
																		DRAINAGE (CONT.)	
						26					26			611	98860	26	EACH	INLET, NO. 2-A-10	
						9					9			611	98870	9	EACH	INLET, NO. 2-A-12	
						1					1			611	98890	1	EACH	INLET, NO. 2-A-16	
						8					8			611	99100	8	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE B1	
						20					20			611	99110	20	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE C1	
						2					2			611	99111	2	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE C1, AS PER PLAN	P.712
						25					25			611	99114	25	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE D	
						1					1			611	99115	1	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE D, AS PER PLAN1	P.712
						2					2			611	99115	2	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE D, AS PER PLAN2	P.712
						58					58			611	99500	58	EACH	INLET, MISC.: BARRIER INLET SCREEN	P.713
						19					19			611	99574	19	EACH	MANHOLE, NO. 3	
						12					12			611	99574	12	EACH	MANHOLE, NO. 3 WITH 60" BASE I.D.	
						2					2			611	99574	2	EACH	MANHOLE, NO. 3 WITH 72" BASE I.D.	
						7					7			611	99574	7	EACH	MANHOLE, NO. 3 WITH 84" BASE I.D.	
						2					2			611	99574	2	EACH	MANHOLE, NO. 3 WITH 90" BASE I.D.	
						1					1			611	99574	1	EACH	MANHOLE, NO. 3 WITH 96" BASE I.D.	
						1					1			611	99574	1	EACH	MANHOLE, NO. 3 WITH 108" BASE I.D.	
						1					1			611	99621	1	EACH	MANHOLE, NO. 5, AS PER PLAN	P.712
						1					1			611	99575	1	EACH	MANHOLE, NO. 3, AS PER PLAN	P.712
						1					1			611	99575	1	EACH	MANHOLE, NO. 3, AS PER PLAN WITH 72" BASE I.D.	
						1					1			611	99575	1	EACH	MANHOLE, NO. 3, AS PER PLAN WITH 84" BASE I.D.	
						1					1			611	99575	1	EACH	MANHOLE, NO. 3, AS PER PLAN WITH 96" BASE I.D.	
						6					6			611	99654	6	EACH	MANHOLE ADJUSTED TO GRADE	
						1					1			611	99655	1	EACH	MANHOLE ADJUSTED TO GRADE, AS PER PLAN	P.712
						3					3			611	99660	3	EACH	MANHOLE RECONSTRUCTED TO GRADE	
						5					5			611	99690	5	EACH	MANHOLE, MISC.: MANHOLE ADJUSTED TO GRADE WITH BOLTED COVER	P.712
						8					8			611	99690	8	EACH	MANHOLE, MISC.: MANHOLE NO. 3 WITH BOLTED COVER	P.712
						3					3			611	99690	3	EACH	MANHOLE, MISC.: MANHOLE NO. 3 WITH 60" BASE I.D. WITH BOLTED COVER	P.712
						2					2			611	99690	2	EACH	MANHOLE, MISC.: MANHOLE NO. 3 WITH 72" BASE I.D. WITH BOLTED COVER	P.712
						2					2			611	99690	2	EACH	MANHOLE, MISC.: MANHOLE NO. 3 WITH 84" BASE I.D. WITH BOLTED COVER	P.712
						6					6			611	99690	6	EACH	MANHOLE, MISC.: MANHOLE NO. 3 WITH 90" BASE I.D. WITH BOLTED COVER	P.712
						11					11			611	99690	11	EACH	MANHOLE, MISC.: MANHOLE NO. 3 WITH 96" BASE I.D. WITH BOLTED COVER	P.712
							3				3			611	99710	3	EACH	PRECAST REINFORCED CONCRETE OUTLET	
					15,000						15,000			SPECIAL	61199820	15,000	LB	MISCELLANEOUS METAL	P.711
						1					1			611	99900	1	EACH	DRAINAGE STRUCTURE, MISC.: RESHAPE AND REESTABLISH EXISTING CONNECTION	P.712
																		PAVEMENT	
			712								712			254	01000	712	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.5"	
			9,697								9,697			254	01000	9,697	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 3.25"	
			5,105								5,105			254	01001	5,105	SY	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 3.4" AVG.	P.28
			255								255			302	56001	255	CY	ASPHALT CONCRETE BASE, (449), AS PER PLAN, PG64-22	P.28
			46,935								46,935			302	66001	46,935	CY	ASPHALT CONCRETE BASE, AS PER PLAN, 25.0 MM GYRATORY MIX	P.27-P.28
5			33,081	4,957							38,043			304	20000	38,043	CY	AGGREGATE BASE	
			602	434							1,036			407	13900	1,036	GAL	TACK COAT, 702.13	
			35,224								35,224			407	20000	35,224	GAL	NON-TRACKING TACK COAT	
				257							257			441	50000	257	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
				356							356			441	50300	356	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)	
			289	75							364			441	70801	364	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN	P.26
			11,121	1,454							12,575			442	00100	12,575	CY	ANTI-SEGREGATION EQUIPMENT	
			11,429								11,429			442	10080	11,429	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446)	
			8,909								8,909			442	10301	8,909	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER PLAN	P.28
			429								429			442	22401	429	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (449), AS PER PLAN	P.28
26				17,715							17,741			452	15010	17,741	SY	12" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
20		4,400									4,420			609	14000	4,420	FT	CURB, TYPE 2-A	
		10,105									10,105			609	24510	10,105	FT	CURB, TYPE 4-C	
	739										739			609	26000	739	FT	CURB, TYPE 6	

GENERAL SUMMARY

DESIGN AGENCY
HNTB

DESIGNER
ASEP

REVIEWER
KKP 05/04/26

PROJECT ID
105743

SHEET P.278 | TOTAL P.1274

CUY-77-11.41 - PART 1

MODEL: Unnamed Plan - Plan 4 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 11/16/2026 TIME: 2:41:20 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: kperkins@hntb.com WORKSPACE: OHDOTCEv02 WORKSET: 105743 PRODUCT: OpenRoadsDesigner 24.00.03.05
pw:\\trc-pw.bentley.com:trc-pw-01\Documents\5 - Projects - External\Ohio Department of Transportation (ODOT)\301525 - CUY-77-11.21\105743\400-Engineering\Roadway\Sheets\105743_GG001.dgn

SHEET NUMBER											PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.1038	P.1049	P.1050	P.1099								01/IMS	02/IMS	03/IMS						
																		TRAFFIC SURVEILLANCE	
			4,245								4,245			625	22900	4,245	FT	NO. 1/0 AWG 2400 VOLT DISTRIBUTION CABLE	
			492								492			625	23300	492	FT	NO. 2 AWG 2400 VOLT DISTRIBUTION CABLE	
			1,679								1,679			625	25507	1,679	FT	CONDUIT, 3", 725.052, AS PER PLAN	P.1097
			812								812			625	25909	812	FT	CONDUIT, JACKED OR DRILLED, 725.052, AS PER PLAN, 2"	P.1097
			1,026								1,026			625	25909	1,026	FT	CONDUIT, JACKED OR DRILLED, 725.052, AS PER PLAN, 3"	P.1097
			197								197			625	25920	197	FT	CONDUIT, MISC.: CONDUIT REMOVED	P.1097
			355								355			625	25803	355	FT	CONDUIT, CONCRETE ENCASED, AS PER PLAN, 2"	P.1097
			1,677								1,677			625	29000	1,677	FT	TRENCH	
			5								5			625	30700	5	EACH	PULL BOX, 725.08, 18"	
			5								5			625	31510	5	EACH	PULL BOX REMOVED	
			1								1			625	31600	1	EACH	PULL BOX, MISC.: ENCOMPASSING WORK PAD FOR ITS INSTALLATION	P.1097
			2								2			625	31600	2	EACH	PULL BOX, MISC.: PULL BOX ADJUSTED TO GRADE	P.1097
			9								9			625	32000	9	EACH	GROUND ROD	
			1								1			625	75510	1	EACH	POWER SERVICE REMOVED	
			1								1			630	70044	1	EACH	OVERHEAD SIGN SUPPORT, DMS PEDESTAL	
			1								1			630	70060	1	EACH	CATWALK, DMS PEDESTAL	
			1								1			630	70082	1	EACH	OVERHEAD DMS SUPPORT FOUNDATION, TYPE ITS-30.12	
			3								3			633	67100	3	EACH	CABINET FOUNDATION	
			19								19			809	00530	19	EACH	ITS JUNCTION BOX, 17x24x6 INCHES	
			5								5			809	01900	5	EACH	ITS PULL BOX WITH PAD AND STANDARD LID ASSEMBLY, 32" WIDE, TYPE 1	
			2								2			809	02000	2	EACH	32" ITS PULL BOX WITH PAD AND STANDARD LID ASSEMBLY, TYPE 2	
			1								1			809	02002	1	EACH	32" ITS PULL BOX WITH PAD AND HINGED LID ASSEMBLY, TYPE 2	
			3								3			809	01920	3	EACH	ITS PULL BOX WITH PAD AND HINGED LID ASSEMBLY, 32" WIDE, TYPE 1	
			61,144								61,144			809	23100	61,144	FT	MICRO-DUCT INNERDUCT, 14/10	
			60								60			809	23900	60	FT	CONDUIT, 2" DIAMETER, HDPE	
			586								586			809	24000	586	FT	CONDUIT, MULTICELL, JACKED OR DRILLED, 4"	
			1,257								1,257			809	24500	1,257	FT	CONDUIT, 4", MULTICELL, HDPE WITH 4 - 1" INNERDUCTS	
			1								1			809	56100	1	EACH	ITS POWER SERVICE, POLE MOUNTED, 240/480V, 100 AMP	
			2								2			809	60000	2	EACH	CCTV IP-CAMERA SYSTEM, PTZ	
			1								1			809	61040	1	EACH	CCTV POLE, 70' TALL	
			2								2			809	61090	2	EACH	CCTV LOWERING UNIT	
			1								1			809	63000	1	EACH	DYNAMIC MESSAGE SIGN (DMS), FULL-SIZE WALK-IN	
			300								300			809	64550	300	FT	ETHERNET CABLE, OUTDOOR-RATED	
			2								2			809	65000	2	EACH	ITS CABINET - GROUND MOUNTED	
			1								1			809	65040	1	EACH	ITS CABINET - DMS	
			1								1			809	65110	1	EACH	STEP-DOWN TRANSFORMER, 7.5KVA	
			2								2			809	65990	2	EACH	ITS DEVICE, MISC.: REMOVAL AND DELIVERY OF CCTV AND LOWERING UNIT	P.1097
			1								1			809	65990	1	EACH	ITS DEVICE, MISC.: REMOVAL AND DELIVERY OF DYNAMIC MESSAGE SIGN	P.1097
			1								1			809	65990	1	EACH	ITS DEVICE, MISC.: REMOVAL OF CCTV POLE, CAMERA, FOUNDATION, AND CABINET ASSEMBLY	P.1097
			1								1			809	65990	1	EACH	ITS DEVICE, MISC.: REMOVAL OF DMS SUPPORT STRUCTURE, FOUNDATIONS, AND CABINET ASSEMBLY	P.1097
			1								1			809	65990	1	EACH	ITS DEVICE, MISC.: REMOVAL OF ITS CABINET	P.1097
											LS			809	70000	LS		MAINTAINING ITS DURING CONSTRUCTION	
											LS			809	70050	LS		AS-BUILT CONSTRUCTION PLANS	
																		TRAFFIC CONTROL	
1,102											1,102			621	00100	1,102	EACH	RPM	
1,102											1,102			621	54000	1,102	EACH	RAISED PAVEMENT MARKER REMOVED	
		18									18			625	32000	18	EACH	GROUND ROD	
	424										424			630	02100	424	FT	GROUND MOUNTED SUPPORT, NO. 2 POST	
	976										976			630	03100	976	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
	565										565			630	04100	565	FT	GROUND MOUNTED SUPPORT, NO. 4 POST	
	234										234			630	06100	234	FT	GROUND MOUNTED SUPPORT, NO. 6 POST	
	110										110			630	06400	110	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, S4X7.7	
	141										141			630	06500	141	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W6X9	
	40										40			630	07000	40	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W8X18	
	38										38			630	07600	38	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X12	
	54										54			630	08000	54	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W12X30	

GENERAL SUMMARY

DESIGN AGENCY
HNTB

DESIGNER
ASEP

REVIEWER
KKP 05/06/26

PROJECT ID
105743

SHEET P.280 TOTAL P.1274

CUY-77-11.41 - PART 1

MODEL: Unnamed Plan - Plan 6 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 11/16/2026 TIME: 2:35:17 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: kperkins@hntb.com WORKSPACE: OHDOTCEv02 WORKSET: 105743 PRODUCT: OpenRoadsDesigner 24.00.03.05
pw:\\trc-pw.bentley.com:trc-pw-01\Documents\5 - Projects - External\Ohio Department of Transportation (ODOT)\301525 - CUY-77-11.21\105743\400-Engineering\Roadway\Sheets\105743_GG001.dgn

STATION TO STATION			SIDE	202 WEARING COURSE REMOVED	204 PROOF ROLLING	206 CEMENT	206 CURING COAT	206 CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP	254 PAVEMENT PLANING, ASPHALT CONCRETE, T=1.5"	254 PAVEMENT PLANING, ASPHALT CONCRETE, T=3.25"	254 PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN (T=0" MIN, 6.8" MAX)	302 ASPHALT CONCRETE BASE, AS PER PLAN , 25.0MM GYRATORY MIX, T = 8.5"	302 ASPHALT CONCRETE BASE, PG64-22, (449), AS PER PLAN (VARIABLE)	304 AGGREGATE BASE, T = 6"	407 TACK COAT, 702.13, (0.085 GAL/SQ YD)	407 NON-TRACKING TACK COAT	441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN	442 ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446), T = 1.75" NORTHBOUND, T = 2.0" SOUTHBOUND (0.25" SACRIFICIAL)	442 ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER PLAN, T = 1.5"	442 ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (449), AS PER PLAN (T= 0" MIN, 4.5" MAX)	442 ANTI-SEGREATION EQUIPMENT, SURFACE COURSE, 1.5" DEPTH	442 ANTI-SEGREATION EQUIPMENT, INTERMEDIATE COURSE, 2.00" DEPTH
				SY	HOUR	TON	SY	SY	SY	SY	SY	CY	CY	CY	GAL	GAL	CY	CY	CY	CY	CY	CY
I.R. 77 SB																						
74+50.00	TO	75+00.00	LT		0.16	10	325	325				77	25	54		75		18	13	9			
75+00.00	TO	75+66.23	LT		0.22	13	430	430				100	27	72		98		24	17	10			
75+66.23	TO	77+40.00	LT		0.51	31	1027	1027				266	44	143		257		62	45	16			
77+40.00	TO	79+00.00	LT		0.52	32	1040	1040				242	9	173		231	5	57	42	3			
79+00.00	TO	79+93.82	LT		0.30	19	610	610				142		102		98	3	33	24				
79+93.82	TO	84+01.07	LT		1.32	80	2647	2647				615		441		426		145	106				
84+01.07	TO	84+30.13	LT		0.16	10	311	311				73		52		50		17	12				
84+30.13	TO	88+37.31	LT		1.83	111	3665	3665				866		611		605		208	150				
88+37.31	TO	89+37.30	LT		0.36	22	724	724				171		121		118		40	29				
89+37.30	TO	89+38.73	LT		0.00	1	10	10				3		2		2		1	1				
89+38.73	TO	89+79.58	LT		0.14	9	286	286				67		48		45		16	11				
89+79.58	TO	90+88.27	LT		0.37	23	739	739				175		123		120		41	29				
90+88.27	TO	91+31.67	LT		0.15	10	304	304				71		51		48		17	12				
91+31.67	TO	93+55.21	LT		0.76	46	1519	1519				359		253		246		84	60				
93+55.21	TO	94+94.40	LT		0.47	29	946	946				224		158		153		53	37				
94+94.40	TO	96+81.19	LT		0.65	40	1298	1298				303		216		206		71	50				
96+81.19	TO	99+90.00	LT		1.09	67	2188	2188				517		365		355		122	87				
99+90.00	TO	100+75.00	LT		0.32	20	646	646				153		108		105		36	26				
100+75.00	TO	103+05.40	LT		0.92	56	1845	1845				436		307		300		102	74				
103+05.40	TO	106+05.21	LT		1.30	79	2591	2591				604		432		419	9	142	105				
106+05.21	TO	107+88.14	LT		0.85	52	1698	1698				397		283		275	6	93	69				
107+88.14	TO	108+64.93	LT		0.38	24	764	764				179		127		124		42	31				
108+64.93	TO	111+80.00	LT		1.02	62	2048	2048				476		341		329		112	82				
111+80.00	TO	113+00.00	LT		0.41	25	813	813				190		136		129		44	31				
113+00.00	TO	115+36.53	LT		0.77	47	1537	1537				361		256		248	7	84	61				
115+36.53	TO	119+57.69	LT		1.37	83	2738	2738				642		456		441		149	109				
119+57.69	TO	122+84.63	LT		1.49	90	2979	2979				700		496		483	10	163	120				
122+84.63	TO	126+07.99	LT		1.23	75	2461	2461				578		410		398	10	135	99				
126+07.99	TO	127+07.99	LT		0.35	22	706	706				166		118		114	3	39	28				
127+07.99	TO	128+96.00	LT		0.61	37	1222	1222				287		204		197	6	67	49				
128+96.00	TO	129+28.04	LT		0.11	7	217	217				51		36		34		12	8				
129+28.04	TO	131+35.96	LT		0.68	42	1367	1367				323		228		224		76	56				
131+35.96	TO	131+64.00	LT		0.10	6	190	190				45		32		30		10	7				
131+64.00	TO	134+01.42	LT		0.77	47	1543	1543				362		257		249	7	84	62				
134+01.42	TO	134+80.00	LT		0.26	16	511	511				120		85		82	2	28	20				
134+80.00	TO	139+05.00	LT		1.38	84	2763	2763				648		460		445	13	151	110				
139+05.00	TO	140+40.00	LT		0.44	27	878	878				206		146		141	4	48	35				
140+40.00	TO	141+25.00	LT		0.28	17	553	553				130		92		89		30	22				
141+25.00	TO	141+60.00	LT		0.12	8	237	237				56		40		38		13	9				
141+60.00	TO	143+25.00	LT		0.53	32	1054	1054				249		150		173		59	43				
143+25.00	TO	145+63.00	LT		0.77	47	1547	1547				360		258		249	7	84	62				
145+63.00	TO	149+20.00	LT		1.16	71	2321	2321				539		387		373		127	93				
149+20.00	TO	150+65.93	LT		0.47	29	949	949				221		158		153		52	38				
150+65.93	TO	151+80.00	LT		0.57	35	1148	1148				269		191		184		63	45				
151+80.00	TO	156+33.75	LT		1.97	120	3948	3948				924		658		631		216	154				
156+33.75	TO	157+34.38	LT		0.35	22	699	699				165		116		114		39	28				
157+34.38	TO	161+89.07	LT		1.45	88	2905	2905				686		484		475		161	118				
161+89.07	TO	163+17.32	LT		0.41	25	819	819				194		116		134		46	33				
163+17.32	TO	165+00.00	LT		0.58	36	1167	1167				276		195		191		65	47				
165+00.00	TO	165+60.07	LT		0.19	12	384	384				91		64		63		21	16				
165+60.07	TO	167+80.00	LT		0.72	44	1447	1447				342		241		237		80	59				
167+80.00	TO	168+30.04	LT		0.17	11	341	341				81		57		56		19	14				
168+30.04	TO	170+40.04	LT		0.72	44	1439	1439				340		240		236		80	59				
170+40.04	TO	170+98.01	LT		0.21	13	420	420				99		70		67		23	16				
170+98.01	TO	172+95.00	LT		0.63	38	1250	1250				318		176		220		75	55				
172+95.00	TO	175+33.50	LT		0.75	46	1508	1508				367		213		262		90	66				
175+33.50	TO	175+73.03	LT		0.13	8	250	250				61		36		43		15	11				
175+73.03	TO	176+39.00	LT		0.21	13	417	417				102		59		72		25	18				
176+39.00	TO	176+83.05	LT		0.16	10	317	317				74		53		50		17	12				
176+83.05	TO	177+25.53	LT		0.15	10	306	306				72		51		49		17	12				
177+25.53	TO	177+83.05	LT		0.20	13	398	398				94		66		64	2	22	16				
TOTALS CARRIED TO SHEET P.294				0	37	2246	73410	73410	0	0	0	17305	105	12074	0	12123	94	4065	2953	38	0	0	

PAVEMENT SUBSUMMARY

DESIGN AGENCY
HNTB

DESIGNER
ASEP

REVIEWER
KKP 05/01/26

PROJECT ID
105743

SHEET P.291 TOTAL P.1274

CUY-77-11.41 - PART 1

MODEL: Unnamed Plan - SB Sheet 1 (Sheet) PAPERSIZE: 34x22 (in.) DATE: 11/16/2026 TIME: 2:54:03 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: kperkins@hntb.com WORKSPACE: OHDOTCEv02 WORKSET: 105743 PRODUCT: OpenRoadsDesigner 24.00.03.05
pw:\\trc-pw.bentley.com:trc-pw-01\Documents\5 - Projects - External\Ohio Department of Transportation (ODOT)\301525 - CUY-77-11.21\105743\400-Engineering\RoadwayS\ngtRoadway\Sheets\105743_GS001.dgn

STATION TO STATION			SIDE	202 WEARING COURSE REMOVED SY	204 PROOF ROLLING HOUR	206 CEMENT TON	206 CURING COAT SY	206 CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP SY	254 PAVEMENT PLANING, ASPHALT CONCRETE, T=1.5" SY	254 PAVEMENT PLANING, ASPHALT CONCRETE, T=3.25" SY	254 PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN (T=0" MIN, 6.8" MAX) SY	302 ASPHALT CONCRETE BASE, AS PER PLAN , 25.0MM GYRATORY MIX, T = 8.5" CY	302 ASPHALT CONCRETE BASE, PG64-22, (449), AS PER PLAN (VARIABLE) CY	304 AGGREGATE BASE, T = 6" CY	407 TACK COAT, 702.13, (0.085 GAL/SQ YD) GAL	407 NON-TRACKING TACK COAT GAL	441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN CY	442 ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446), T = 1.75" NORTHBOUND, T = 2.0" SOUTHBOUND (0.25" SACRIFICIAL) CY	442 ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER PLAN, T = 1.5" CY	442 ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (449), AS PER PLAN (T= 0" MIN, 4.5" MAX) CY	442 ANTI-SEGREATION EQUIPMENT, SURFACE COURSE, 1.5" DEPTH CY	442 ANTI-SEGREATION EQUIPMENT, INTERMEDIATE COURSE, 2.00" DEPTH CY
IR-77 SB (CONT.)																							
177+83.05	TO	179+70.47	LT		0.65	40	1296	1296				305		216		209	6	71	52				
179+70.47	TO	183+25.00	LT		1.30	79	2591	2591				608		432		419	11	142	104				
183+25.00	TO	188+19.29	LT		2.04	124	4078	4078				958		680		661	15	223	164				
188+19.29	TO	189+33.05	LT		0.51	31	1016	1016				239		169		165	4	56	41				
189+33.05	TO	189+81.71	LT		0.22	14	436	436				103		73		71	2	24	18				
189+81.71	TO	192+12.96	LT		1.11	68	2228	2228				524		371		362	7	122	90				
192+12.96	TO	196+50.00	LT		1.42	86	2841	2841				666		473		458		155	113				
196+50.00	TO	197+50.00	LT		0.33	20	650	650				153		108		105		35	26				
197+50.00	TO	198+50.00	LT		0.34	21	678	678				159		113		107		37	26				
198+50.00	TO	199+38.00	LT		0.30	19	596	596				140		99		95		32	23				
199+38.00	TO	200+62.61	LT		0.40	25	810	810				188		135		130	4	44	32				
200+62.61	TO	201+50.00	LT		0.28	18	568	568				132		95		91		31	23				
201+50.00	TO	204+03.00	LT		0.86	52	1716	1716				399		286		276		94	69				
204+03.00	TO	209+56.00	LT	1506	1.37	83	2740	2740				633		457	128	603		232	171	102			
209+56.00	TO	210+75.00	LT	413	0.29	18	590	590				137		98	35	139		55	40	14			
210+75.00	TO	211+38.00	LT	229	0.16	10	328	328				77		55	19	76		30	22	7			
211+38.00	TO	213+75.00	LT	921	0.59	36	1188	1188				276		198	78	287		115	82	40			
213+75.00	TO	214+76.00	LT	533	0.17	11	338	338				80		56	45	113		48	36	7			
214+76.00	TO	215+25.00	LT	263	0.08	5	153	153				37		25	22	54		23	17	5			
215+25.00	TO	217+53.50	LT	1292	0.33	21	666	666				158		111	110	252		109	82	20			
217+53.50	TO	217+91.00	LT	225	0.06	4	112	112				27		19	19	43		19	14	4			
217+91.00	TO	219+93.40	LT	1452	0.34	21	677	677				160		113	123	232		99	73	22			
219+93.40	TO	220+83.50	LT	275	0.15	10	301	301				72		50	23	79		32	23	10			
220+83.50	TO	225+40.00	LT							2917						317		162	119				
225+40.00	TO	228+99.12	LT							2295						249		127	93				
	TO																						
74+50.00	TO	228+99.12	LT																		2575	3004	
DEDUCT FOR MOMENT SLAB																							
163+17.48	TO	170+98.01	LT									174		123				41	31				
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TOTALS CARRIED TO SHEET P.294				7109	13	816	26597	26597	0	5212	0	6057	0	4309	602	5593	49	2076	1522	231	2575	3004	

MODEL: Unnamed Plan - SB Sheet 2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 11/16/2026 TIME: 2:54:13 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: kperkins@hntb.com WORKSPACE: OHDOTCEv02 WORKSET: 105743 PRODUCT: OpenRoadsDesigner 24.00.03.05
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PAVEMENT SUBSUMMARY

DESIGN AGENCY
HNTB

DESIGNER ASEP

REVIEWER KKP 05/01/26

PROJECT ID 105743

SHEET P.292 | TOTAL P.1274

STATION TO STATION			SIDE	202 WEARING COURSE REMOVED SY	204 PROOF ROLLING HOUR	206 CEMENT TON	206 CURING COAT SY	206 CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP SY	254 PAVEMENT PLANING, ASPHALT CONCRETE, T=1.5" SY	254 PAVEMENT PLANING, ASPHALT CONCRETE, T=3.25" SY	254 PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN (T=0" MIN, 6.8" MAX) SY	302 ASPHALT CONCRETE BASE, AS PER PLAN , 25.0MM GYRATORY MIX, T = 8.5" CY	302 ASPHALT CONCRETE BASE, PG64-22, (449), AS PER PLAN (VARIABLE) CY	304 AGGREGATE BASE, T = 6" CY	407 TACK COAT, 702.13, (0.085 GAL/SQ YD) GAL	407 NON-TRACKING TACK COAT GAL	441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN CY	442 ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446), T = 1.75" NORTHBOUND, T = 2.0" SOUTHBOUND (0.25" SACRIFICIAL) CY	442 ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER PLAN, T = 1.5" CY	442 ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (449), AS PER PLAN (T= 0" MIN, 4.5" MAX) CY	442 ANTI-SEGREATION EQUIPMENT, SURFACE COURSE, 1.5" DEPTH CY	442 ANTI-SEGREATION EQUIPMENT, INTERMEDIATE COURSE, 2.00" DEPTH CY
IR-77 NB (CONT.)																							
188+68.64	TO	191+07.29	RT		1.12	68	2234	2234				522		372		362	7	107	90				
191+07.29	TO	194+71.85	RT		1.18	72	2370	2370				556		395		383		113	95				
194+71.85	TO	197+12.01	RT		0.78	48	1561	1561				366		260		252	7	75	62				
197+12.01	TO	197+50.00	RT		0.13	8	255	255				60		42		41	1	12	10				
197+50.00	TO	198+12.01	RT		0.23	15	468	468				110		78		74		22	18				
198+12.01	TO	198+50.00	RT		0.15	10	300	300				71		50		48		14	12				
198+50.00	TO	199+38.00	RT		0.33	21	670	670				158		112		109		32	27				
199+38.00	TO	201+36.65	RT		0.78	47	1556	1556				366		259		252		75	63				
201+36.65	TO	203+83.61	RT		1.15	70	2305	2305				542		384		375		111	93				
203+83.61	TO	208+08.00	RT		1.36	82	2711	2711				636		452		438		130	108				
208+08.00	TO	208+40.00	RT		0.07	5	149	149			48	36		25		30		10	8	0			
208+40.00	TO	209+40.00	RT		0.23	15	467	467			209	111		78		99		33	27	0			
209+40.00	TO	209+56.00	RT		0.04	3	75	75			43	18		12		17		6	5	0			
209+56.00	TO	211+33.75	RT		0.30	18	593	593			711	140		99		174		63	53	3			
211+33.75	TO	211+38.00	RT		0.01	1	14	14			17	4		2		4	1	2	1	1			
211+38.00	TO	213+21.25	RT		0.31	19	611	611			733	145		102		180	6	65	55	1			
213+21.25	TO	214+76.00	RT		0.25	16	504	504			620	119		84		150		55	46	0			
214+76.00	TO	215+28.92	RT		0.08	5	164	164			215	39		27		51		18	16	1			
215+28.92	TO	216+25.47	RT		0.15	10	299	299			412	71		50		95		35	30	7			
216+25.47	TO	217+91.00	RT		0.26	16	525	525			838	124		88		179		66	57	18			
217+91.00	TO	219+08.18	RT		0.19	12	381	381			743	91		64		144		55	46	38			
219+08.18	TO	219+81.74	RT		0.12	8	245	245			209	58		41		63		22	18	18			
219+81.74	TO	220+31.74	RT		0.08	6	167	167			148	40		28		43		15	13	1			
220+31.74	TO	220+83.50	RT		0.09	6.00	173.00	173.00			159	41		29		45		16	13	1			
220+83.50	TO	225+40.00	RT							2917						317		142	119	11			
225+40.00	TO	227+98.78	RT							1568						169		75	63	7			
74+50.00	TO	227+98.78	RT																		2558	2984	
RAMP C1																							
112+00.00	TO	113+76.65	LT/RT						712							39			30				
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TOTALS FROM THIS SHEET				0	9	581	18797	18797	712	4485	5105	4424	0	3133	0	4133	22	1369	1178	107	2558	2984	
TOTALS FROM P.291				0	37	2246	73410	73410	0	0	0	17305	105	12074	0	12123	94	4065	2953	38	0	0	
TOTALS FROM P.292				7109	13	816	26597	26597	0	5212	0	6057	0	4309	602	5593	49	2076	1522	231	2575	3004	
TOTALS FROM P.293				0	41	2497	81723	81723	0	0	0	19149	150	13565	0	13375	124	3919	3256	53	0	0	
TOTALS CARRIED TO GENERAL SUMMARY				7109	100	6140	200527	200527	712	9697	5105	46935	255	33081	602	35224	289	11429	8909	429	5133	5988	

PAVEMENT SUBSUMMARY

CUY-77-11.41 - PART 1

DESIGN AGENCY
HNTB

DESIGNER
ASEP

REVIEWER
KKP 05/01/26

PROJECT ID
105743

SHEET P.294 TOTAL P.1274

MODEL: Unnamed Plan - NB Sheet 2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 11/16/2026 TIME: 2:54:24 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: kperkins@hntb.com WORKSPACE: OHDOTCExv02 WORKSET: 105743 PRODUCT: OpenRoadsDesigner 24.00.03.05
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STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS

REFER TO THE FOLLOWING STANDARD DRAWINGS:

BP-2.2	DATED (REVISED)	1-15-21
SBR-1-20	DATED (REVISED)	7-19-24
VPF-1-24	DATED (REVISED)	1-17-25

DESIGN SPECIFICATIONS

THIS STRUCTURE CONFORMS TO THE 10TH EDITION OF THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2020, AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

DESIGN DATA

CONCRETE CLASS QC2 - COMPRESSIVE STRENGTH 4.5 KSI

EPOXY COATED REINFORCING STEEL - MINIMUM YIELD STRENGTH 60 KSI

ITEM 511 - QC2 CONCRETE, MISC.: MOMENT SLAB, WITH QC/QA

THIS PAY ITEM IS FOR CONSTRUCTION OF THE CAST-IN-PLACE CONCRETE MOMENT SLABS. PAYMENT SHALL INCLUDE CONCRETE, TRANSVERSE JOINT DOWELS, AND CONTRACTION JOINT SAWCUTS.

ITEM 511 - QC2 CONCRETE, MISC.: BARRIER ON MOMENT SLAB, WITH QC/QA

THIS PAY ITEM IS FOR CONSTRUCTION OF THE CAST-IN-PLACE MOMENT SLAB BARRIERS. PAYMENT SHALL INCLUDE CONCRETE AND CONTRACTION JOINT SAWCUTS.

ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN

SEAL SURFACES OF THE MOMENT SLAB BARRIERS AS DETAILED IN THE PLANS WITH AN EPOXY-URETHANE SEALER AS PER CMS 512.

THE COLOR OF THE SEALER SHALL BE FEDERAL COLOR STANDARD NUMBER 17875.

ABBREVIATIONS

THE FOLLOWING ABBREVIATIONS HAVE BEEN USED THROUGHOUT THESE PLANS TO INDICATE THE DESIGNATIONS CONTAINED IN THE LEGEND BELOW:

ABUT. - ABUTMENT
ADT - AVERAGE DAILY TRAFFIC
ADTT - AVERAGE DAILY TRUCK TRAFFIC
APPROX. - APPROXIMATE
ASTM - AMERICAN SOCIETY OF TESTING AND MATERIALS

B.F. - BACK FACE
BOT. - BOTTOM
BRGS. - BEARINGS

C|L - CENTERLINE
C/C - CENTER TO CENTER
CIP - CAST-IN-PLACE
C.J. - CONSTRUCTION JOINT
CLR. - CLEARANCE
CMS - CONSTRUCTION AND MATERIAL SPECIFICATIONS
CONST. - CONSTRUCTION

DIA. - DIAMETER
DWG. - DRAWING

E.F. - EACH FACE
E/P - EDGE OF PAVEMENT
E/S - EDGE OF SHOULDER
EL. - ELEVATION
EQ. - EQUAL
EX. - EXISTING

F.A. - FORWARD ABUTMENT
F.F. - FRONT FACE
F/F - FACE TO FACE
FTG. - FOOTING
FT/FT - FOOT PER FOOT
FWD. - FORWARD

I - INTERSTATE ROUTE

JT. - JOINT

LT. - LEFT

MAX. - MAXIMUM
MIN. - MINIMUM
MOT - MAINTENANCE OF TRAFFIC

NB - NORTHBOUND
N.C.P.P. - NON-PERFORATED CORRUGATED PLASTIC PIPE

O/O - OUT TO OUT

P.C.P.P - PERFORATED CORRUGATED PLASTIC PIPE
P.E.J.F. - PREFORMED EXPANSION JOINT FILLER

R.A. - REAR ABUTMENT
RT. - RIGHT

SB - SOUTHBOUND
S.O. - SERIES OF
SPA. - SPACES OR SPACING
STA. - STATION
STD. - STANDARD
STR. - STRAIGHT

TEMP. - TEMPORARY
T/T - TOE TO TOE
TYP. - TYPICAL

VERT. - VERTICAL

ITEM 607 - VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC, AS PER PLAN

THIS ITEM SHALL BE AS PER THE DETAILS IN THE PLAN, THE APPLICABLE PORTIONS OF STANDARD DRAWING VPF-1-24, AND THE MANUFACTURER'S RECOMMENDATIONS.

THE ANCHORS ON THE TOP OF THE PROPOSED CONCRETE BRIDGE RAILING SHALL BE CAST IN PLACE WITH A 6" OR 7" MINIMUM EMBEDMENT LENGTH, AS SHOWN ON THE STANDARD DRAWING FOR THE SPECIFIED BASE PLATE TYPE.

AT LOCATIONS WHERE THE FENCE SPANS ACROSS AN EXPANSION JOINT IN THE BRIDGE RAILING AT AN INTEGRAL OR SEMI-INTEGRAL ABUTMENT, DO NOT INSTALL LINE RAILS AND EXPANSION JOINT SLEEVES; HOWEVER, THE FABRIC SHALL REMAIN CONTINUOUS ACROSS THE EXPANSION JOINT.

THE COLOR OF THE FENCE FABRIC, RAILS, POSTS, PLATES, TIE WIRES, AND ADDITIONAL VISUAL HARDWARE AND CAULK SHALL BE BLACK.

PAYMENT FOR THE ABOVE SHALL BE AT THE UNIT PRICE BID PER FOOT FOR ITEM 607 - VANDAL PROTECTION FENCE 6' STRAIGHT, COATED FABRIC, AS PER PLAN WHICH SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

ESTIMATED QUANTITIES (MOMENT SLABS)

ITEM	EXTENSION	TOTAL PART 01/IMS	UNIT	DESCRIPTION	SEE SHEET
509	10000	138357	LB	EPOXY COATED STEEL REINFORCEMENT	
511	53012	708	CY	CLASS QC2 CONCRETE, MISC.: MOMENT SLAB, WITH QC/QA	5
511	53012	273	CY	CLASS QC2 CONCRETE, MISC.: BARRIER ON MOMENT SLAB, WITH QC/QA	5
512	10101	901	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN	5
516	13600	448	SF	1" PREFORMED EXPANSION JOINT FILLER	
516	31000	205	FT	JOINT SEALER	
607	39900	1702	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC, AS PER PLAN	5

DESIGN AGENCY
TRC
DESIGNER JCP
REVIEWER CJW 11/17/25
PROJECT ID 105743
SUBSET 5 | TOTAL 9
SHEET P.1010 | TOTAL P.1274

CUY-77-11.41 - PART 1
MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 11/16/2026 TIME: 10:53:05 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: BCSmith@trcsolutions.com WORKSPACE: OHDOTCEv02 WORKSET: 105743 PRODUCT: OpenRoadsDesigner 24.00.00.205
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REF NO.	SHEET NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	630 OVERHEAD SIGN SUPPORT, TYPE TC-16.22, DESIGN 12 EACH	625 GROUND ROD EACH	630 SIGN, FLAT SHEET SF	630 SIGN, GROUND MOUNTED EXTRUSHEET SF	630 SIGN, OVERHEAD EXTRUSHEET SF	630 SIGN, OVERLAY SF		630 SIGN, DOUBLE FACED, MILE MARKER EACH	630 MAINLINE REFERENCE MARKER EACH	630 RAMP REFERENCE MARKER EACH	630 CONCRETE MEDIAN BARRIER SIGN BRACKET EACH	630 SIGN BACKING ASSEMBLY EACH	630 CONCRETE BARRIER MEDIAN OVERHEAD SIGN SUPPORT FOUNDATION, TYPE TC-21.50 EACH	630 GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION EACH	630 RIGID OVERHEAD SIGN SUPPORT FOUNDATION EACH	630 SIGN ATTACHMENT ASSEMBLY EACH	630 SIGN SUPPORT ASSEMBLY, BARRIER MOUNTED EACH	630 SIGN HANGER ASSEMBLY, MAST ARM EACH	
S-28	P.1069	NB IR-77	104+00	RT	-	168 X 108		1			126								1		1					
					E1-H5P	108 X 30					22.5							1								
					-	156 X 72					78											1				
					E1-H5P	120 X 30					25							1								
					-	252 X 72					126											1				
					D9-H2a	60 X 30					12.5							1								
					E1-H5P	120 X 30					25							1								
S-29	P.1069	IR-77	106+50	CL	D10-5-18	18 X 60								1			1									
S-30	P.1069	SB IR-77	104+50	LT	D10-3-12	12 X 36								1											1	
S-31	P.1069	SB IR-77	106+00	LT	R1-2-60	60 X 60			10.8																1	
S-32	P.1069	NB IR-77	102+25	RT	D10-3-12	12 X 36								1											1	
S-33	P.1070	NB IR-77	107+50	RT	E5-1a-108	108 X 60				45										2						
S-34	P.1070	SB IR-77	109+00	LT	W4-1R-48	48 X 48			16																	
S-35	P.1070	SB IR-77	110+00	LT	I-H2a-108	108 X 36				27										2						
S-36	P.1070	NB IR 77	110+00	RT	I-H2a-48	48 X 24			8																	
S-37	P.1070	SB IR-77	113+50	LT	D7-H3a	192 X 96				128										2						
S-38	P.1070	SB IR-77	114+00	LT	-	204 X 96		1			136										1	1				
					E1-H5P	96 X 30					20							1								
S-39	P.1070	NB IR-77	116+00	RT	W4-1R-48	48 X 48			16																	
S-40	P.1070	NB IR-77	116+50	LT	D12-H5B	120 X 72				60																
					-	120 X 30				25																
S-41	P.1070	IR-77	117+00	CL	D10-5-18	18 X 60								1			1									
S-42	P.1070	SB IR-77	119+00	LT	E5-1a-108	108 X 60				45										2						
S-43	P.1070	RAMP B1	105+10	RT	W3-3-36	36 X 36			9																	
S-44	P.1070	RAMP B1	106+00	LT	R5-1-48	48 X 48			16																	
					R5-1a-42	42 X 30			8.75																	
S-45	P.1070	RAMP B1	106+00	RT	R5-1-48	48 X 48			16																	
					R5-1a-42	42 X 30			8.75																	
S-46	P.1070	RAMP B1	106+50	LT	D14-H4-48	48 X 30			10																	
S-47	P.1070	RAMP B1	107+00	RT	D3-H5-108	108 X 36				27										2						
S-48	P.1070	RAMP B1	108+00	RT	R3-5L-30	30 x 36	1	1	7.5												1				1	
					R3-H6a-30	30 X 36			7.5																1	
					R3-5R-30	30 X 36			7.5																1	
S-49	P.1070	RAMP B1	108+00	RT	D9-H2b-30	30 X 60			12.5																	
					M6-1-30	30 X 21			4.38																	
S-50	P.1070	RAMP B1	108+50	LT	R5-1-48	48 X 48			16																	
					R5-1a-42	42 X 30			8.75																	
S-51	P.1070	RAMP B1	108+50	RT	R5-1-48	48 X 48			16																	
					R5-1a-42	42 X 30			8.75																	
S-52	P.1070	RAMP B4	400+39	LT	-	108 X 84					63												1			
					-	108 X 84					63												1			
S-53	P.1070	RAMP B4	401+00	RT	R5-H10e-30	30 X 30			6.25																	
S-54	P.1070	RAMP B4	403+00	RT	D10-H5a-30	30 X 30										1										
S-55	P.1070	RAMP B4	405+00	RT	R1-2-60	60 X 60			10.8																	
S-56	P.1070	RAMP B2	203+75	LT	D10-H5a-30	30 X 30										1										
S-57	P.1070	RAMP B2	205+88	RT	-	96 X 84					56												1			
					-	96 X 84					56												1			
S-58	P.1070	RAMP B3	300+61	RT	R5-1-48	48 x 48			16																	
					R6-1R-54	54 X 18			6.75																	
					R6-1L-54	54 X 18			6.75																	
S-59	P.1070	RAMP B3	300+61	LT	R5-1-48	48 x 48			16																	
					R6-1R-54	54 X 18			6.75																	
					R6-1L-54	54 X 18			6.75																	
S-60	P.1070	RAMP B3	300+70	LT	R10-11a-24	24 X 30			5																	
S-61	P.1070	RAMP B3	300+70	RT	R10-6-24	24 X 36			6																	
S-62	P.1070	RAMP B3	301+63	LT	D14-H4-48	48 X 30			10																	
S-63	P.1070	RAMP B3	302+25	LT	R3-5L-30	30 x 36	1	1	7.5												1				1	
					R3-H6a-30	30 X 36			7.5																1	
					R3-5R-30	30 X 36			7.5																1	
TOTALS CARRIED TO SHEET P.1050							2	4	328	357	809			4		2	2	5	1	10	4	7	3	6		

SIGNING SUBSUMMARY

CUY-77-11.41 - PART 1

MODEL: TS013 PAPERSIZE: 34x22 (in.) DATE: 11/16/2026 TIME: 12:37:15 PM RETTIG, JACOB
pw:\\trc-pw.bentley.com:trc-pw-01\Documents\5 - Projects - External\Ohio Department of Transportation (ODOT)\301525 - CUY-77-11.21\105743\400-Engineering\Traffic\Sheets\105743_TS010-clouded.dgn

DESIGN AGENCY
Lanham ENGINEERING LLC

DESIGNER ANC

REVIEWER JAR 04-22-26

PROJECT ID 105743

SHEET P.1042 TOTAL 1274

REF NO.	SHEET NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	630 OVERHEAD SIGN SUPPORT, TYPE TC-16.22, DESIGN 12 EACH	625 GROUND ROD EACH	630 SIGN, FLAT SHEET SF	630 SIGN, GROUND MOUNTED EXTRUSHEET SF	630 SIGN, OVERHEAD EXTRUSHEET SF	630 SIGN, OVERLAY SF		630 SIGN, DOUBLE FACED, MILE MARKER EACH	630 MAINLINE REFERENCE MARKER EACH	630 RAMP REFERENCE MARKER EACH	630 CONCRETE MEDIAN BARRIER SIGN BRACKET EACH	630 SIGN BACKING ASSEMBLY EACH	630 CONCRETE BARRIER MEDIAN OVERHEAD SIGN SUPPORT FOUNDATION, TYPE TC-21.50 EACH	630 GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION EACH	630 RIGID OVERHEAD SIGN SUPPORT FOUNDATION EACH	630 SIGN ATTACHMENT ASSEMBLY EACH	630 SIGN SUPPORT ASSEMBLY, BARRIER MOUNTED EACH	630 SIGN HANGER ASSEMBLY, MAST ARM EACH	
S-64	P.1070	RAMP B3	302+50	LT	S1-1-36	36 X 36			9																	
					W16-19P-30	30 X 18			3.75																	
S-65	P.1070	RAMP B3	302+50	RT	S1-1-36	36 X 36			9																	
					W16-19P-30	30 X 18			3.75																	
S-66	P.1070	RAMP B3	303+75	LT	R5-1-48	48 X 48			16																	
					R5-1a-42	42 X 30			8.75																	
S-67	P.1070	RAMP B3	303+75	RT	R5-1-48	48 X 48			16																	
					R5-1a-42	42 X 30			8.75																	
S-68	P.1070	RAMP B3	304+50	LT	D3-H5-108	108 X 36				27										2						
S-69	P.1070	RAMP B3	305+50	LT	D10-H5a-30	30 X 30										1										
S-70	P.1070	RAMP B3	305+50	LT	W3-3-36	36 X 36			9																	
S-71	P.1070	RAMP B3	306+00	LT	R5-1-48	48 X 48			16																	
					R5-1a-42	42 X 30			8.75																	
S-72	P.1070	RAMP B3	306+00	RT	R5-1-48	48 X 48			16																	
					R5-1a-42	42 X 30			8.75																	
S-73	P.1071	IR-77	127+50	CL	D10-5-18	18 X 60								1			1									
S-74	P.1071	NB IR-77	128+00	RT	-	204 X 72		1			102								1		1					
					E1-H5P	108 X 30					22.5							1								
					-	168 X 84					98											1				
					E1-H5P	120 X 30					25							1								
S-75	P.1071	NB IR-77	132+90	RT	E5-H1c-48	48 X 84				28																
S-76	P.1071	RAMP C1	102+00	RT	D14-H4-48	48 X 30			10																	
S-77	P.1071	SB IR-77	122+00	LT	-	252 X 72		1			126											1				
					E1-H5P	120 X 30					25							1								
S-77A	P.1072	NB IR-77	137+50	RT	I-H2a-84	84 X 36			21																	
S-78	P.1072	IR-77	138+00	CL	D10-5-18	18 X 60								1			1									
S-79	P.1072	NB IR-77	139+50	RT	R2-1-48	48 X 60			20																	
S-80	P.1072	NB IR-77	141+50	RT	-	192 X 180		1			240											1				
					E1-H5P	108 X 30					22.5							1								
S-81	P.1072	SB IR-77	142+75	LT	I-H2a-84	84 X 36			21																	
S-82	P.1072	SB IR-77	143+50	LT	-	204 X 96		1			136											1				
					E1-H5P	96 X 30					20							1								
S-83	P.1072	NB IR-77	144+25	RT	W4-1R-48	48 X 48			16																	
S-84	P.1072	RAMP C1	105+50	LT	R5-1-48	48 X 48			16																	
					R5-1a-42	42 X 30			8.75																	
S-85	P.1072	RAMP C1	105+50	RT	R5-1-48	48 X 48			16																	
					R5-1a-42	42 X 30			8.75																	
					W3-3-36	36 X 36			9																	
S-86	P.1072	RAMP C1	107+00	RT	D10-H5a-30	30 X 30										1										
S-87	P.1072	RAMP C1	108+00	RT	W2-3L-36	36 X 36			9																	
S-88	P.1072	RAMP C1	109+00	RT	D1-3d-132	132 X 72				66										2						
S-89	P.1072	RAMP C1	110+00	LT	S1-1-36	36 X 36			9																	
					W16-19P-30	30 X 18			3.75																	
S-90	P.1072	RAMP C1	110+00	RT	S1-1-36	36 X 36			9																	
					W16-19P-30	30 X 18			3.75																	
S-91	P.1072	RAMP C1	111+00	LT	R5-1-48	48 X 48			16																	
					R5-1a-42	42 X 30			8.75																	
S-92	P.1072	RAMP C1	111+00	RT	R5-1-48	48 X 48			16																	
					R5-1a-42	42 X 30			8.75																	
S-93	P.1072	RAMP C1	111+75	RT	R5-2-36	36 X 36			9																	
					M6-1-30	30 X 21			4.375																	
S-94	P.1072	RAMP C1	112+00	RT	R5-1-36	36 X 36			9																	
					R6-1R-54	54 X 18			6.75																	
					R6-1L-54	54 X 18			6.75																	
S-95	P.1072	RAMP C1	112+00	LT	R5-1-36	36 X 36			9																	
					R6-1R-54	54 X 18			6.75																	
					R6-1L-54	54 X 18			6.75																	
S-96	P.1072	RAMP C1	112+00	RT	W14-2-36	36 X 36			9																	
S-97	P.1072	RAMP C3	300+28	LT	-	108 X 84					63													1		
					-	108 X 84					63													1		
TOTALS CARRIED TO SHEET P.1050								4	432	121	943			2		2	2	5	1	4	4	3				

SIGNING SUBSUMMARY

DESIGN AGENCY
Lanham ENGINEERING LLC

DESIGNER ANC

REVIEWER JAR 04-22-26

PROJECT ID 105743

SHEET P.1044 TOTAL 1274

CUY-77-11.41 - PART 1

MODEL: TS015 PAPERSIZE: 34x22 (in.) DATE: 11/16/2026 TIME: 12:36:34 PM RETTIG, JACOB
pw:\\trc-pw.bentley.com:trc-pw-01\Documents\5 - Projects - External\Ohio Department of Transportation (ODOT)\301525 - CUY-77-11.21\105743\400-Engineering\Traffic\Sheets\105743_TS010-clouded.dgn

REF NO.	SHEET NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	630 OVERHEAD SIGN SUPPORT, TYPE TC-16.22, DESIGN 12 EACH	625 GROUND ROD EACH	630 SIGN, FLAT SHEET SF	630 SIGN, GROUND MOUNTED EXTRUSHEET SF	630 SIGN, OVERHEAD EXTRUSHEET SF	630 SIGN, OVERLAY SF		630 SIGN, DOUBLE FACED, MILE MARKER EACH	630 MAINLINE REFERENCE MARKER EACH	630 RAMP REFERENCE MARKER EACH	630 CONCRETE MEDIAN BARRIER SIGN BRACKET EACH	630 SIGN BACKING ASSEMBLY EACH	630 CONCRETE BARRIER MEDIAN OVERHEAD SIGN SUPPORT FOUNDATION, TYPE TC-21.50 EACH	630 GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION EACH	630 RIGID OVERHEAD SIGN SUPPORT FOUNDATION EACH	630 SIGN ATTACHMENT ASSEMBLY EACH	630 SIGN SUPPORT ASSEMBLY, BARRIER MOUNTED EACH	630 SIGN HANGER ASSEMBLY, MAST ARM EACH	
S-132	P.1075	MUP	31+35	RT	W11-15-30	30 X 30			6.25																	
					W11-15p-18	18 X 12			1.5																	
					W16-7PL-24	24 X 12			2																	
S-133	P.1075	MUP	31+44	LT	R1-1-18	18 X 18			2.25																	
S-134	P.1075	MUP	31+75	RT	R5-3-24	24 X 24			4																	
S-135	P.1076	IR-77	190+50	CL	D10-5-18	18 X 60								1			1									
S-136	P.1076	NB IR-77	191+50	RT	E5-H1a-96	96 X 60				40										2						
S-137	P.1076	NB IR-77	192+00	RT	W3-5-48	48 X 48			16																	
S-138	P.1076	RAMP D2	203+50	RT	W4-1R-48	48 X 48			16																	
S-139	P.1076	SB IR-77	196+00	LT	R2-1-48	48 X 60			20																	
S-140	P.1076	NB IR-77	196+00	RT	-	156 X 96		1			104								1		1					
					-	180 X 180					225											1				
					E1-H5P	108 X 30					22.5							1								
					-	192 X 120					160											1				
					E1-H5P	120 X 30					25							1								
S-141	P.1076	SB IR-77	196+50	LT	R2-1-48	48 X 60			20																	
S-142	P.1076	RAMP D2	200+75	LT	R1-2-60	60 X 60			10.83																	
S-143	P.1076	MUP	52+65	RT	R1-1-18	18 X 18			2.25																	
S-144	P.1076	MUP	52+75	LT	R5-3-24	24 X 24			4																	
S-145	P.1076	NB IR-77	188+00	RT	-	180 X 72		1			90											1				
					E1-H5P	108 X 30					22.5							1								
S-146	P.1076	RAMP D1	106+50	LT	R5-1-48	48 X 48			16																	
					R5-1a-42	42 X 30			8.75																	
S-147	P.1076	RAMP D1	106+50	RT	R5-1-48	48 X 48			16																	
					R5-1a-42	42 X 30			8.75																	
S-148	P.1076	RAMP D1	107+05	RT	D10-H5a-30	30 X 30			6.25																	
S-149	P.1077	SB IR-77	199+00	RT	-	156 X 72		1			78											1				
					E1-H5P	120 X 30					25							1								
S-150	P.1077	NB IR-77	201+00	RT	-	192 X 120				160										2						
					E1-H5P	120 X 30				25								1								
S-151	P.1077	NB IR-77	205+00	RT	E5-H1c-48	48 x 84				28																
S-152	P.1077	IR-77	202+35	CL	D10-5-18	18 X 60								1			1									
S-153	P.1077	SB IR-77	206+00	LT	R1-2-60	60 X 60			10.83																	
S-154	P.1077	RAMP E1	107+00	LT	R5-1-48	48 X 48			16																	
					R5-1a-42	42 X 30			8.75																	
S-155	P.1077	RAMP E1	107+00	RT	R5-1-48	48 X 48			16																	
					R5-1a-42	42 X 30			8.75																	
S-156	P.1077	RAMP E1	109+50	LT	W3-3-36	36 X 36			9																	
S-157	P.1077	RAMP E1	109+50	RT	W3-3-36	36 X 36			9																	
S-158	P.1077	RAMP E1	109+60	LT	R5-1-48	48 X 48			16																	
					R5-1a-42	42 X 30			8.75																	
S-159	P.1077	RAMP E1	109+60	RT	R5-1-48	48 X 48			16																	
					R5-1a-42	42 X 30			8.75																	
S-160	P.1077	RAMP E1	110+50	LT	R3-H8bq-36	36 X 30			7.5																	
S-161	P.1077	RAMP E1	110+50	RT	R3-H8bq-36	36 X 30			7.5																	
S-162	P.1077	BROADWAY AVE	7+15	LT	R1-1-48	48 X 48			16																	
					R6-1R-54	54 X 18			6.75																	
					R6-1L-54	54 X 18			6.75																	
					R5-1-48	48 x 48			16																	
S-163	P.1077	BROADWAY AVE	7+60	LT	R1-1-48	48 X 48			16																	
					R6-1R-54	54 X 18			6.75																	
					R6-1L-54	54 X 18			6.75																	
					R5-1-48	48 x 48			16																	
S-164	P.1077	RAMP E1	113+15	RT	R6-1R-54	54 X 18			6.75																	
					R6-1L-54	54 X 18			6.75																	
					R5-1-48	48 x 48			16																	
S-165	P.1077	RAMP E1	113+30	LT	R6-1R-54	54 X 18			6.75																	
					R6-1L-54	54 X 18			6.75																	
					R5-1-48	48 x 48			16																	
TOTALS CARRIED TO SHEET P.1050								3	454	253	752			2			2	5	1	4	3	2				

SIGNING SUBSUMMARY

CUY-77-11.41 - PART 1

MODEL: TS019 PAPERSIZE: 34x22 (in.) DATE: 11/16/2026 TIME: 12:36:04 PM RETTIG, JACOB
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DESIGN AGENCY
Lanham ENGINEERING LLC

DESIGNER ANC

REVIEWER JAR 04-22-26

PROJECT ID 105743

SHEET P.1048 TOTAL 1274

REF NO.	SHEET NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	630 OVERHEAD SIGN SUPPORT, TYPE TC-16.22, DESIGN 12	625 GROUND ROD	630 SIGN, FLAT SHEET	630 SIGN, GROUND MOUNTED EXTRUSHEET	630 SIGN, OVERHEAD EXTRUSHEET	630 SIGN, OVERLAY		630 SIGN, DOUBLE FACED, MILE MARKER	630 MAINLINE REFERENCE MARKER	630 RAMP REFERENCE MARKER	630 CONCRETE MEDIAN BARRIER SIGN BRACKET	630 SIGN BACKING ASSEMBLY	630 CONCRETE BARRIER MEDIAN OVERHEAD SIGN SUPPORT FOUNDATION, TYPE TC-21.50	630 GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION	630 RIGID OVERHEAD SIGN SUPPORT FOUNDATION	630 SIGN ATTACHMENT ASSEMBLY	630 SIGN SUPPORT ASSEMBLY, BARRIER MOUNTED	630 SIGN HANGER ASSEMBLY, MAST ARM	
							EACH	EACH	SF	SF	SF	SF		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	
S-166	P.1077	RAMP E1	113+30	LT	R3-H8be-30	30 X 30			6.25																
S-167	P.1077	RAMP E1	112+50	RT	D3-H5-108	108 X 48				32										2					
					PRIVATE	36 X 48			12									1							
S-168	P.1078	IR-77	211+50	CL	D10-5-18	18 X 60									1		1								
S-169	P.1078	NB IR-77	213+00	RT	-	156 X 96		1			104								1		1				
					-	180 X 180					225											1			
					E1-H59	108 X 30					22.5							1							
S-170	P.1078	NB IR-77	219+20	RT	E5-H1c-48	48 X 84				28															
S-171	P.1078	IR-77	220+00	CL	D10-5-18	18 X 60									1		1								
S-172	P.1078	RAMP J1	114+16	CL	-	36 X 36						9													
TOTALS CARRIED FROM SHEET P.1040								3	392	27	1117			4		1	3	6	2	2	3	9	1		
TOTALS CARRIED FROM SHEET P.1042							2	4	328	357	809			4		2	2	5	1	10	4	7	3	6	
TOTALS CARRIED FROM SHEET P.1044								4	432	121	943			2		2	2	5	1	4	4	3			
TOTALS CARRIED FROM SHEET P.1046								3	207	28	1275			4		1	4	8	3		3	4	4		
TOTALS CARRIED FROM SHEET P.1048								3	454	253	752			2			2	5	1	4	3	2			
TOTALS THIS SHEET								1	18.25	60	351.5	9			2		2	2	1	2	1	1			
TOTALS CARRIED TO GENERAL SUMMARY							2	18	1831	846	5248	9		16	2	6	15	31	9	22	18	26	8	6	

SIGNING SUBSUMMARY

CUY-77-11.41 - PART 1

MODEL: TS021 PAPERSIZE: 34x22 (in.) DATE: 11/16/2026 TIME: 12:35:16 PM RETTIG, JACOB
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DESIGN AGENCY
Lanham ENGINEERING LLC

DESIGNER ANC
REVIEWER JAR 04-22-26
PROJECT ID 105743
SHEET P.1050 TOTAL 1274