

ITEM 630 - SIGN POST REFLECTOR, AS PER PLAN

IN ADDITION TO THE POST SUPPORT, THE CONTRACTOR SHALL PROVIDE SIGN POST REFLECTORS IN ACCORDANCE WITH STD. DWG. TC-41.30 AS PART OF THIS PAY ITEM. THE SIGN POST SHALL BE REFLECTORIZED WITHIN 1" BELOW THE SIGN WITHIN 1' OF THE GROUND ELEVATION BELOW THE SIGN. THE REFLECTIVE SHEETING, TYPE AND MANUFACTURER, SHALL MATCH THAT OF THE PROPOSED SIGN TO INSURE THE REFLECTIVITY IS CONSISTENT. ONLY 24" AND 36" LENGTH STRIPS SHALL BE USED.

PAYMENT SHALL BE AT THE UNIT PRICE BID, EACH, FOR ITEM 630 - SIGN POST REFLECTOR, AS PER PLAN. SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT AND ALL PERTINENT ITEMS NEEDED TO PERFORM THE ABOVE WORK.

ITEM 630 - GROUND MOUNTED SUPPORT, NO. 3 POST, AS PER PLAN

THIS ITEM SHALL CONSIST OF INSTALLING A GROUND MOUNTED NO. 3 POST WITH THE EMBEDMENT DEPTH OF A MINIMUM OF 48". ADDITIONAL EMBEDMENT DEPTH IS INCLUDED IN THE PLAN QUANTITY PRICE FOR: ITEM 630 - GROUND MOUNTED SUPPORT, NO. 3 POST, AS PER PLAN.

PAYMENT SHALL BE AT THE UNIT PRICE BID, FEET, FOR ITEM 630 - GROUND MOUNTED SUPPORT, NO. 3 POST, AS PER PLAN. SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT AND ALL PERTINENT ITEMS NEEDED TO PERFORM THE ABOVE WORK.

ITEM 620 - DELINEATOR, MISC.: BASE MOUNTED

THE CONTRACTOR SHALL USE A HIGH INTENSITY RETRO-REFLECTIVE ISLAND SURFACE MOUNTED BULLNOSE MARKER, WITH A MINIMUM OF 224 SQUARE INCHES OF SOLID YELLOW REFLECTIVE SHEETING ON EACH SIDE WITH A RANGE OF 28 INCHES IN HEIGHT. DISTRIBUTION OF SAID PRODUCT SHALL COME FROM ONE OF THE FOLLOWING DISTRIBUTORS: QWICK KURB INC (L104 AIR MARKER), NATIONAL TRAFFIC SIGNS INC (42HIGHVIS-W-SM-DS), AND FLEXSTAKE INC. (SM 700 SERIES)

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 AND THE STATE LISTED AND PROTECTED LITTLE BROWN BAT AND TRICOLORED BAT ARE AVOIDED AND MINIMIZED. 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). DEMARCAT E CLEARING LIMITS IN THE FIELD TO AVOID AN UNAUTHORIZED TREE CLEARING.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.

WELL REMOVED AND ABANDONED

THIS PROJECT INVOLVES A DRINKING WATER WELL LOCATED AT 6863 MAUMEE WESTERN ROAD (US 20A). ALL WELLS SHALL BE REMOVED AND PROPERLY ABANDONED IN ACCORDANCE WITH THE OHIO DEPARTMENT OF NATURAL RESOURCES' (ODNR) TECHNICAL GUIDANCE FOR PROPERLY SEALING UNUSED WELLS. THE CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO PERFORM THE AFOREMENTIONED WORK.

ITEM 452 - NON-REINFORCED CONCRETE PAVEMENT, MISC.: 8" CONCRETE SLAP STAMPED AND STAINED

THIS ITEM SHALL BE CONSTRUCTED AS PER ITEM 452 EXCEPT THAT THE CONCRETE SHALL BE INTEGRALLY COLORED AND SHALL HAVE A STAMPED SURFACE. CONCRETE SHALL BE INSTALLED FOLLOWING THE INSTRUCTIONS FROM THE STAMPED COLORED CONCRETE PATTERN AND PIGMENT MANUFACTURER.

A CONCRETE COLORANT SHALL BE INTEGRALLY ADDED TO THE CONCRETE TO PRODUCE A MEDIUM RED COLOR. THE CONTRACTOR SHALL SUBMIT THE TECHNICAL DATA AND COLOR SAMPLE OF THE PIGMENT TO THE ENGINEER FOR APPROVAL NO LESS THAN 14 DAYS PRIOR TO USE. THE LIQUID COLORANT SHALL CONFORM TO ASTM C979.

THE PATTERN FOR THE STAMPED SURFACE SHALL CONFORM TO A FLAGSTONE PATTERN AND SHALL PRODUCE SIMULATED STONE TEXTURE. THE STONES SHALL HAVE A MINIMUM NOMINAL DIMENSION OF 8IN X 9IN AND HAVE A MAXIMUM DIMENSION OF 24IN X 24IN.

PROVIDE A FIELD EXAMPLE OF THE SURFACE COLORS, TEXTURES, AND PATTERNS SPECIFIED FOR APPROVAL BY THE ENGINEER BEFORE BEGINNING WORK. THE SAMPLE SHALL BE 4' X 4' IN SIZE AND BE CONSTRUCTED USING THE SAME TECHNIQUES AND MATERIAL INTENDED FOR THE FINALPAVED SURFACE.

RADIAL JOINTS HAVING A DEPTH OF 8 INCHES SHALL BE SAWED AT 15 FOOT SPACING WITHIN 24 HOURS OF CONCRETE PLACEMENT FOR THE INTERIOR TRUCK APRON.

RADIAL JOINTS HAVING A DEPTH OF 8 INCHES SHALL BE SAWED AT 4 FOOT SPACING WITHIN 24 HOURS OF CONCRETE PLACEMENT FOR THE EXTERIOR TRUCK APRON.

AFTER PLACEMENT OF CONCRETE, THE CONTRACTOR SHALL APPLY AN ACRYLIC BASED CONCRETE SEALER AND CURING AGENT. THE SEALER SHALL HAVE A MEDIUM TO HIGH GLOSS AND BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. THE CONTRACTOR SHALL SUBMIT THE BRAND NAME AND TECHNICAL DATA FOR THE CONCRETE SEALER TO THE ENGINEER FOR APPROVAL NO LESS THAN 14 DAYS PRIOR TO USE.

PAYMENT SHALL BE MADE AT THE UNIT PRICE BID PER SQUARE YARD AND SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO PERFORM THE WORK NOTED ABOVE.

ITEM 204 - PROOF ROLLING

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

ITEM 204 - PROOF ROLLING 2 HOUR

ITEM 206 - CEMENT STABILIZED SUBGRADE

THE CEMENT STABILIZED SUBGRADE IS REQUIRED AS PART OF THE STRUCTURAL DESIGN OF THE PAVEMENT. ANY CHANGES TO THE STABILIZATION MAY REQUIRE ADDITIONAL PAVEMENT THICKNESS. CONTACT THE OFFICE OF PAVEMENT ENGINEERING PRIOR TO ANY NON-PERFORMANCE OR CHANGES TO THE CEMENT STABILIZED SUBGRADE.

ITEM 638 - WATER WORK, MISC.: MANHOLE RELOCATED

THE WATER MANHOLE (WHICH ENCOMPASSES THE WATER VALVE) LOCATED AT STA. 52+07.41 (℄ STRAYER RD) IS CURRENTLY BEING SHOWN WITHIN THE PATH OF PROPOSED CURB OF THE NORTH LEG SPLITTER ISLAND. THE CONTRACTOR SHALL AT FIRST ATTEMPT TO ROTATE THE TOP OF THE MANHOLE IN ORDER TO GET THE FRAME AND COVER OUT OF THE PATH OF THE CURB LINE.

IF THE ROTATION OF THE TOP IS NOT POSSIBLE, THE MANHOLE (WITH THE VALVE INSIDE) SHALL BE RELOCATED TO STA. 52+02.00, 22.56' RT (℄ CONSTRUCTION STRAYER RD) TO FIT WITHIN THE SPLITTER ISLAND. THE NEW 12" WATERLINE, NEEDED TO RELOCATE THE MANHOLE, SHALL BE OF THE SAME MATERIAL AS THE CURRENT WATERLINE.

ALL LABOR, MATERIALS, EQUIPMENT, AND OTHER EXPENSES FOR THE RELOCATION STATED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 638 - WATER WORK, MISC: MANHOLE RELOCATED

MONUMENT ASSEMBLIES

CONSTRUCT MONUMENT ASSEMBLIES IN ACCORDANCE WITH THE DETAILS SHOWN ON THE STANDARD CONSTRUCTION DRAWINGS AND AT THE LOCATIONS SHOWN ON SHEET RW.3.

ITEM 611 - TYPE A OR B CONDUIT AS PER PLAN

USE 703.11 STRUCTURAL BACKFILL TYPE 1 OR 613 LOW STRENGTH MORTAR, TYPE 2 AS STRUCTURAL BACKFILL FOR ALL TYPE A AND B FLEXIBLE CONDUITS 12-INCH DIAMETER AND LARGER. DETAIL THE SELECTED CONDUIT MATERIAL AND STRUCTURAL BACKFILL IN THE 611 INSTALLATION PLAN PER 611.04 B. NOTIFY THE ENGINEER IMMEDIATELY WHEN GROUNDWATER IS ENCOUNTERED DURING EXCAVATION. USE 703.11 STRUCTURAL BACKFILL TYPE 3 FOR BEDDING AND BACKFILL IN AREAS WHERE GROUNDWATER IS PRESENT. INSTALL 703.11 STRUCTURAL BACKFILL TYPE 3 AND GEOTEXTILE FABRIC ACCORDING TO 611.06. VERIFY THE CONDUIT MATERIAL AND REVISED BACKFILL MEET THE STRUCTURAL DESIGN REQUIREMENTS WITH THE CONDUIT MANUFACTURER PRIOR TO INSTALLATION.

DESIGN AGENCY	
	
DESIGNER	JJL
REVIEWER	
MGM 05-01-25	
PROJECT ID	116068
SHEET	TOTAL
P.13	94

SHEET NUM.													PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.	
		P.11	P.13	P.23	P.24	P.25	P.46	P.51	P.77	P.83	RW.3	OFFICE CALCS	01/SAE		EXT	TOTAL				
																		ROADWAY		
		LS										4,838	LS	201	11000	LS		CLEARING AND GRUBBING		
				239									4,838	202	23000	4,838	SY	PAVEMENT REMOVED		
				657	80									202	32000	239	FT	CURB REMOVED		
				6										202	35100	737	FT	PIPE REMOVED, 24" DIAMETER AND UNDER		
														6	58100	6	EACH	CATCH BASIN REMOVED		
				127										127	202	98200	127	FT	REMOVAL MISC.: 4" GAS LINE	P.11
							755	491						1,246	203	10000	1,246	CY	EXCAVATION	
							1,259	451						1,710	203	20000	1,710	CY	EMBANKMENT	
												83		83	204	10000	83	SY	SUBGRADE COMPACTION	
			2											2	204	45000	2	HOURL	PROOF ROLLING	
												219		219	206	10500	219	TON	CEMENT	
												7,241		7,241	206	11000	7,241	SY	CURING COAT	
												7,241		7,241	206	15020	7,241	SY	CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP	
				7,703										7,703	608	15000	7,703	SF	8" CONCRETE WALK	
				1,338										1,338	608	52000	1,338	SF	CURB RAMP	
				226										226	608	53020	226	SF	DETECTABLE WARNING	
										5				5	623	38500	5	EACH	MONUMENT ASSEMBLY, TYPE C	
																			EROSION CONTROL	
		2												2	659	00100	2	EACH	SOIL ANALYSIS TEST	
		920			101					50				1,071	659	00300	1,071	CY	TOPSOIL	
							5,541	2,745						8,286	659	10000	8,286	SY	SEEDING AND MULCHING	
		415												415	659	14000	415	SY	REPAIR SEEDING AND MULCHING	
		415												415	659	15000	415	SY	INTER-SEEDING	
		1.16												1.16	659	20000	1.16	TON	COMMERCIAL FERTILIZER	
		1.71												1.71	659	31000	1.71	ACRE	LIME	
		46												46	659	35000	46	MGAL	WATER	
					910									910	670	00700	910	SY	DITCH EROSION PROTECTION	
															832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
															832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	
															832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
												29,000	29,000	832	30000	29,000	EACH	EROSION CONTROL		
																			DRAINAGE	
		2												2	601	21050	2	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
		100				905								1,005	605	05200	1,005	FT	4" UNCLASSIFIED PIPE UNDERDRAINS	
						1,993								1,993	605	06000	1,993	FT	4" BASE PIPE UNDERDRAINS	
		100												100	605	31100	100	FT	AGGREGATE DRAINS	
									140					140	611	00400	140	FT	4" CONDUIT, TYPE E	
		100				106								206	611	00406	206	FT	4" CONDUIT, TYPE F	
		100												100	611	00900	100	FT	6" CONDUIT, TYPE B	
		100												100	611	01400	100	FT	6" CONDUIT, TYPE E	
		100												100	611	01500	100	FT	6" CONDUIT, TYPE F	
					472									472	611	04401	472	FT	12" CONDUIT, TYPE B, AS PER PLAN	P.13
														311	611	04600	311	FT	12" CONDUIT, TYPE C	
					311									93	611	04900	93	FT	12" CONDUIT, TYPE D	
					115									115	611	05901	115	FT	15" CONDUIT, TYPE B, AS PER PLAN	P.13
					58									58	611	08901	58	FT	21" CONDUIT, TYPE B, AS PER PLAN	P.13
					40									40	611	10401	40	FT	24" CONDUIT, TYPE B, AS PER PLAN	P.13
														91	611	10600	91	FT	24" CONDUIT, TYPE C	
					12									12	611	98180	12	EACH	CATCH BASIN, NO. 3A	
					6									6	611	98470	6	EACH	CATCH BASIN, NO. 2-2B	
					1									1	611	98510	1	EACH	CATCH BASIN, NO. 2-3	
					5									5	611	99574	5	EACH	MANHOLE, NO. 3	
														1	611	99654	1	EACH	MANHOLE ADJUSTED TO GRADE	
					1									2	611	99660	2	EACH	MANHOLE RECONSTRUCTED TO GRADE	
		1			2									1	611	99710	1	EACH	PRECAST REINFORCED CONCRETE OUTLET	

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER

JJL

REVIEWER

MGM 05-01-25

PROJECT ID

116068

SHEET

P.19

TOTAL

94

REF. NO.	SHEET NO.	LOCATION	STATION		SIDE	202	611	611	611	611	611	611	611	611	611	611	611	611	611	659	670
			FROM	TO		PIPE REMOVED, 24" DIAMETER AND UNDER FT	12" CONDUIT, TYPE B, AS PER PLAN FT	12" CONDUIT, TYPE C FT	12" CONDUIT, TYPE D FT	15" CONDUIT, TYPE B, AS PER PLAN FT	21" CONDUIT, TYPE B, AS PER PLAN FT	24" CONDUIT, TYPE B, AS PER PLAN FT	24" CONDUIT, TYPE C FT	CATCH BASIN, NO. 3A EACH	CATCH BASIN, NO. 2-2B EACH	CATCH BASIN, NO. 2-3 EACH	MANHOLE, NO. 3 EACH	MANHOLE ADJUSTED TO GRADE EACH	MANHOLE RECONSTRUCTED TO GRADE EACH	4" TOPSOIL CY	DITCH EROSION PROTECTION SY
D-1	P.26	US 20A	516+00.00	516+12.00	LT./RT.		57								1						
D-2	P.26	US 20A	516+02.08	516+22.29	RT.	20							20			1					
D-3	P.26	US 20A	516+96.06		RT.													1			
D-4	P.27	US 20A	517+60.00		LT./RT.		36							1							
D-5	P.27	US 20A	517+50.41	517+70.48	RT.	20						20		1							
D-6	P.27	US 20A	518+50.00		LT./RT.		28							1							
D-7	P.27	US 20A	518+40.27	518+59.70	RT.	20						20					1				
D-8	P.27	US 20A	518+50.00		RT.		9							1							
D-9	P.27	US 20A	519+54.04		RT.														1		
D-10	P.27	US 20A	519+83.22		RT.													1			
D-11	P.27	US 20A	519+83.22	520+58.00	RT.								71				1				
D-12	P.27	US 20A	520+54.00	520+99.56	RT.						38						1				
D-13	P.27	US 20A	520+91.70	521+01.29	RT.		27							1							
D-14	P.27	US 20A	522+15.00	522+35.00	RT.	20					20			1							
D-15	P.27	US 20A	522+25.00		LT./RT.		35							1							
D-16	P.27	US 20A	522+25.00		LT.			14									1				
D-17	P.27 - P.28	US 20A	522+25.00	523+34.00	LT.			114						1							
D-18	P.28	US 20A	523+34.00	523+47.30	LT.			14									1				
D-19	P.29	STRAYER RD.	48+72.41	49+17.44	RT.				45												
D-20	P.29	STRAYER RD.	48+75.57	49+22.90	LT.				48												
D-21	P.30	STRAYER RD.	49+80.00	49+82.00	LT./RT.		38							1							
D-22	P.30	STRAYER RD.	49+82.00	50+22.51	RT.			51						1							
D-23	P.30	STRAYER RD.	50+09.18	50+45.00	LT.			41							1						
D-24	P.30	STRAYER RD.	50+22.51	520+58.00	RT.		90	8							1						
D-25	P.30	STRAYER RD.	50+45.00	519+54.04	LT.		80							1							
D-26	P.30	STRAYER RD.	520+58.00	52+24.31	RT.					115					1						
D-27	P.30	STRAYER RD.	52+24.31	52+80.00	RT.			69						1							
D-28	P.30	STRAYER RD.	52+75.00	52+80.00	LT./RT.		38							1							
D-29	P.30	STRAYER RD.	52+75.00	53+05.78	LT.		34								1						
E-1	P.26 - P.27	US 20A	515+90.71	519+11.85	RT.															30	267
E-2	P.24-P.25, P.27	US 20A	520+62.13	523+32.29	LT.															28	249
E-3	P.27 - P.28	US 20A	520+72.57	523+75.00	RT.															30	267
E-4	P.29	STRAYER RD.	48+24.40	48+72.41	RT.															4	40
E-5	P.29 - P.30	STRAYER RD.	49+17.44	50+20.91	RT.															10	86
TOTALS CARRIED TO GENERAL SUMMARY						80	472	311	93	115	58	40	91	12	6	1	5	1	2	101	910

ESTIMATED QUANTITIES

DESIGN AGENCY

CARPENTER MARTY

DESIGNER

JJL

REVIEWER

MGM 05-01-25

PROJECT ID

116068

SHEET P.24

TOTAL 94