UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

AT&T
130 N. ERIE STREET, RM. 714
TOLEDO, OH 43624
(419) 245-7304

BUCKEYE BROADBAND
2700 OREGON RD.
NORTHWOOD, OH 43519
(419) 724-3713

CHARTER TELECOMMUNICATIONS
3760 INTERCHANGE DR.
COLUMBUS, OH 43204
(614) 255-6340

FRONTIER
300 WEST GYPSY LN. RD., BLDG. A
BOWLING GREEN, OH 43402
(419) 354-9452

LUCAS COUNTY (WATER AND SEWER)
1111 S. McCORD RD
HOLLAND, OH 43528
(419) 213-2926

SUBURBAN NATURAL GAS CO.
P.O. BOX 130
CYGNET, OH 43413
(419) 655-2345

TOLEDO EDISON
6099 ANGOLA RD.
HOLLAND, OH 43528
(419) 249-5218

VILLAGE OF GRAND RAPIDS (WATER & SEWER)
P.O. BOX 209
GRAND RAPIDS, OH 43522
(419) 832-5305

VILLAGE OF WHITEHOUSE
6925 PROVIDENCE ST.
P.O. BOX 2476
WHITEHOUSE, OH 43571
(419) 877-5383

SURVEYING PARAMETERS - OHIO COUNTY COORDINATE SYSTEM (OCCS)

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE TABLE ON THIS SHEET CONTAINING THE PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL
- POSITIONING METHOD: ODOT VRS
- MONUMENT TYPE: TYPE B

VERTICAL POSITIONING
- ORTHOMETRIC HEIGHT DATUM: NAVD88
- GEOID: GEOID 18

HORIZONTAL POSITIONING
- REFERENCE FRAME: NAD83 2011 2010.0 EPOCH
- ELLIPSOID: GRS80
- COORDINATE SYSTEM: OCCS LUCAS
- MAP PROJECTION: LCC 1 PARALLEL
- CENTRAL LATITUDE: N 41° 36' 00"
- CENTRAL LONGITUDE: E 276° 21' 00"
- FALSE NORTHING: 328083.33
- FALSE EASTING: 164041.67
- PROJECTION SCALE FACTOR: 1.000025

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

PROJECT CONTROL TABLE

NAME	STATION	OFFSET	NORTHING	EASTING	ELEVATION	FEATURE	DESCRIPTION
CP100	197+12.66	79.33 LT	274669.254	115817.406	669.75	HUBSET	TACKED HUB SET
CP200	202+79.24	37.10 LT	275236.502	115849.603	689.13	IPID	IPIN W/"ODOT DIST 2 CONTROL POINT" CAP SET
BM100	205+85.31	28.21 RT	275543.679	115909.486	694.23	BM	ODOT BM DISC FOUND IN SE WINGWALL OF BRIDGE
CP300	210+73.19	30.37 LT	276030.439	115842.276	694.25	IPID	IPIN W/"ODOT DIST 2 CONTROL POINT" CAP SET
CP400	217+90.32	51.50 LT	276747.085	115808.455	665.98	HUBSET	TACKED HUB SET

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

PROFILE AND ALIGNMENT

THE WORK PROPOSED BY THIS PROJECT IS FOR THE RESURFACING OF THE EXISTING PAVEMENT. THE ALIGNMENT OF THE EXISTING PAVEMENT WILL NOT BE CHANGED AND THE PROFILE OF THE PROPOSED SURFACE WILL BE SIMILAR TO THAT OF THE EXISTING PAVEMENT.

PLANED SURFACES

NO PLANED SURFACES SHALL BE OPEN TO THE PUBLIC FOR MORE THAN 7 DAYS. IF THE PLANED SURFACE IS OPEN FOR MORE THAN 7 DAYS, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR THE PAVEMENT FAILURES THAT OCCURED AFTER THE 7 DAYS.

ASPHALT CONCRETE - SAFETY EDGE

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED FOR THE CONSTRUCTION OF THE SAFETY EDGE. SEE SCD BP-3.2.

LUC SR 295 (2.48 TO 7.615) STA. 131+00 TO STA. 402+07 (01/STR)
LUC SR 295 (7.62 TO 12.25) STA. 402+07 TO STA. 640+29 (02/S>2)

ITEM 209 - PREPARING SUBGRADE FOR SHOULDER PAVING 17.9 MILE
ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5mm, TYPE A (446) 59 CY

QUANTITIES TO BE USED FOR THE SAFETY EDGE HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

CONNECTION BETWEEN EXISTING AND PROPOSED GUARDRAIL

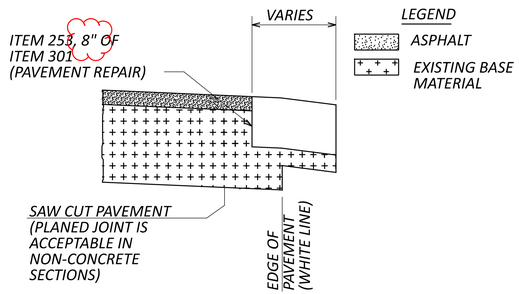
WHEN IT IS NECESSARY TO SPLICE PROPOSED GUARDRAIL TO EXISTING GUARDRAIL, ONLY THE EXISTING GUARDRAIL SHALL BE CUT, DRILLED, OR PUNCHED. THE CONNECTION SHALL BE MADE USING A W-BEAM, BEAM SPLICE AS SHOWN IN AASHTO M 180-12, EXCEPT THE BEAM WASHERS ARE NOT TO BE USED. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RESPECTIVE GUARDRAIL ITEMS.

PAVEMENT REPAIRS

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED FOR PAVEMENT REPAIR ON SR 295 AND AS DIRECTED BY THE ENGINEER AND ARE BASED ON THE PERCENTAGES SHOWN:

LUC 295 SLM 2.48 - 12.25 @ 5%
5% OF THE TOTAL AREA= (141,046 SQY X 9) X (8"/12)/27 X 5% = 1,567 CU YD

ITEM 253 - PAVEMENT REPAIR 8" = 1,567 CY
CARRIED TO GENERAL SUMMARY



NOTE: THE ENGINEER SHALL FIELD VERIFY ALL LOCATIONS PRIOR TO THE BEGINNING OF WORK. ANY ADJUSTMENTS NECESSARY SHALL BE AS DIRECTED BY THE ENGINEER.

MISCELLANEOUS ITEMS FOR GUARDRAIL

THE FOLLOWING ITEMS ARE TO BE USED AS DIRECTED BY THE ENGINEER. THE ESTIMATED QUANTITIES ARE CARRIED TO THE GENERAL SUMMARY AND ARE TO BE USED FOR PROPOSED GUARDRAIL RUNS:

ITEM 659	636.7	SQYD	SEEDING AND MULCHING
ITEM 659	0.09	TON	COMMERCIAL FERTILIZER
ITEM 659	4	MGAL	WATER

EMBANKMENT SHALL BE USED TO OBTAIN A GRADED SLOPE OF 10:1 OR FLATTER THROUGHOUT THE GUARDRAIL RUN UP TO FACE OF GUARDRAIL ON AREAS BETWEEN LUC-295 (STA. 288+07 LT/RT TO STA. 291+32 LT/RT) AND LUC-295 (STA. 507+16 LT/RT TO STA. 510+75 LT/RT), IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

ITEM 203	76.4	CY	EMBANKMENT
ITEM 601	25.5	CY	CRUSHED AGGREGATE SLOPE PROTECTION

THE CONTRACTOR SHALL USE CAUTION WHEN PLACING PROPOSED GUARDRAIL, AS TO AVOID DAMAGING ANY EXISTING DRAINAGE (PIPES, CULVERTS, ETC.) WITHIN THE WORK AREA OF ANY RUN OF GUARDRAIL

PAVEMENT RESTORATION FOR CONCRETE PAD REMOVAL

THE FOLLOWING QUANTITY HAS BEEN PROVIDED FOR CONCRETE PAVEMENT REMOVAL ALONG S.R. 295.

REMOVAL LOCATION FOUND NEAR STA. 141+93 TO STA. 142+07.

REPLACE REMOVED AREAS WITH ITEM 301, ASPHALT CONCRETE BASE, PG64-22. QUANTITIES ARE ESTIMATED BASED ON A 12" TO 18" THICKNESS AND MEASURED AREAS.

ITEM 202 - PAVEMENT REMOVED, AS PER PLAN 37.6 SQ. YD.
ITEM 301 - ASPHALT CONCRETE BASE, PG64-22, AS PER PLAN 16.7 CU. YD.

ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446), AS PER PLAN, PG70-22M (FULL WIDTH PAVING - ECHELON PAVING)

ASPHALT CONCRETE SHALL BE PLACED AT FULL WIDTH OF PAVEMENT. THE ASPHALT MAY BE PLACED WITH A FULL WIDTH PAVER OR THE CONTRACTOR MAY USE HOT JOINT CONSTRUCTION USING MULTIPLE PAVERS. THE CONTRACTOR SHALL SUBMIT A PAVING PLAN AND RECEIVE APPROVAL PRIOR TO PLANING.

ALL WORK SHALL BE PAID FOR UNDER ITEM 442 ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A, (446), AS PER PLAN PG70-22M

ECHELON PAVING METHODS SHALL APPLY:

STA 130+99.69 TO STA 194+56.72
STA 219+12.72 TO STA 347+89.51
STA 354+49.42 TO STA 640+29.15

EXISTING MONUMENT BOX

DURING CONSTRUCTION, IF THE CONTRACTOR REMOVES OR DISTURBS ANY MONUMENT BOX ASSEMBLIES, THE CONTRACTOR SHALL HAVE A REGISTERED SURVEYOR CERTIFY THAT THE MONUMENTS HAVE BEEN RESET AT THE ORIGINAL LOCATIONS AS PER OHIO ADMINISTRATIVE CODE, CHAPTER 4733-37, STANDARDS FOR BOUNDARY SURVEYS. THE CONTRACTOR SHALL FORWARD A COPY OF SAID CERTIFICATION TO THE PROJECT ENGINEER, AND THE DISTRICT SURVEY OPERATIONS MANAGER FOR REVIEW. THE CERTIFICATION SHALL BE SIMILAR TO THE FOLLOWING:

I, JOHN D. DOE, P.S. HEREBY CERTIFY THAT THE CENTERLINE MONUMENTATION HAS BEEN RESET AT THE PRECONSTRUCTION LOCATIONS DURING PROJECT CTY-RT-SEC, PID 00000. ALL OF MY WORK CONTAINED HEREIN WAS CONDUCTED IN ACCORDANCE WITH OHIO ADMINISTRATIVE CODE 4733-37 COMMONLY KNOWN AS "A MINIMUM STANDARDS FOR BOUNDARY SURVEYS IN THE STATE OF OHIO" UNLESS OTHERWISE NOTED. THE WORDS I AND MY AS USED HEREIN ARE TO MEAN MYSELF OR SOMEONE UNDER MY DIRECT SUPERVISION.

ALL SURVEY MONUMENTS SET AND/OR RESET BY THE CONSTRUCTION CONTRACTOR'S SURVEYOR SHALL BE CONSTRUCTED ACCORDING TO STANDARD CONSTRUCTION DRAWING RM-1.1.

ITEMS ADJUSTED TO GRADE

THE FOLLOWING ITEMS HAVE BEEN CARRIED IN THE PLANS AS CONTINGENCY QUANTITIES AND SHOULD BE USED AS DIRECTED BY THE ENGINEER:

ITEM 623 - MONUMENT BOX ADJUSTED TO GRADE 1 EACH

GENERAL NOTES

DESIGN AGENCY

DESIGNER MEK
REVIEWER DEK 05/11/26
PROJECT ID 114881
SHEET P.4 TOTAL 19

LUC-295-2.48

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 11/6/2026 TIME: 9:33:13 AM PLTDRV: OHDOT_PDF_Color.pltcfg PENTBL: OHDOT_PenC.tbl USER: Matthew.Ketner@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 114881 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 02\Lucas\114881\400-Engineering\Roadway\Sheets\114881_GN001.dgn

SHEET NUMBER										PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
4	5	6	7	11	12	13	14	15	19	01/STR	02/S>2						
																ROADWAY	
				576						576		202	23000	576	SY	PAVEMENT REMOVED	
37.6										37.6		202	23001	37.6	SY	PAVEMENT REMOVED, AS PER PLAN	4
						725				525	200	202	38000	725	FT	GUARDRAIL REMOVED	
						4					4	202	42000	4	EACH	ANCHOR ASSEMBLY REMOVED, TYPE A	
						1				1		202	42010	1	EACH	ANCHOR ASSEMBLY REMOVED, TYPE E	
						1				1		202	42040	1	EACH	ANCHOR ASSEMBLY REMOVED, TYPE T	
						2				2		202	42050	2	EACH	ANCHOR ASSEMBLY REMOVED, TYPE B	
						4					4	202	47000	4	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED	
76.4										41.4	35	203	20000	76.4	CY	EMBANKMENT	
				576						576		204	10000	576	SY	SUBGRADE COMPACTION	
				192						192		204	13000	192	CY	EXCAVATION OF SUBGRADE, 12"	
				192						192		204	30020	192	CY	GRANULAR MATERIAL, TYPE C, 12"	
				576						576		204	50000	576	SY	GEOTEXTILE FABRIC	
						11				6	5	209	15000	11	STA	RESHAPING UNDER GUARDRAIL	
				19						10	9	209	60500	19	MILE	LINEAR GRADING	
17.94										9.44	8.5	209	72050	17.94	MILE	PREPARING SUBGRADE FOR SHOULDER PAVING	
						175				13	162	606	15050	175	FT	GUARDRAIL, TYPE MGS	
						387.5				387.5		606	15100	387.5	FT	GUARDRAIL, TYPE MGS WITH LONG POSTS	
						50				50		606	17360	50	FT	GUARDRAIL, TYPE MGS, LONG-SPAN	
						7				3	4	606	26150	7	EACH	ANCHOR ASSEMBLY, MGS TYPE E	
						5				1	4	606	26550	5	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
						4					4	606	35140	4	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 4	
1										1		623	39500	1	EACH	MONUMENT ASSEMBLY ADJUSTED TO GRADE	
																EROSION CONTROL	
25.5										13.8	11.7	601	20010	25.5	CY	CRUSHED AGGREGATE SLOPE PROTECTION	
636.7										345.3	291.4	659	10000	636.7	SY	SEEDING AND MULCHING	
0.09										0.05	0.04	659	20000	0.09	TON	COMMERCIAL FERTILIZER	
4										2	2	659	35000	4	MGAL	WATER	
										300		832	30000	300	EACH	EROSION CONTROL	
																PAVEMENT	
1,567										834	733	253	02000	1,567	CY	PAVEMENT REPAIR	
				93,662						74,908	18,754	254	01000	93,662	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1 ½"	
				47,992	777						48,769	254	01000	48,769	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1 ¾"	
				64						64		301	56000	64	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
16.7										16.7		301	56001	16.7	CY	ASPHALT CONCRETE BASE, (449), AS PER PLAN, PG64-22	4
				17						17		304	20000	17	CY	AGGREGATE BASE	
				7,872	43					4,201	3,714	407	10000	7,915	GAL	TACK COAT	
59				444						473	30	442	10000	503	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)	
				5,848	38					2,734	3,152	442	10001	5,886	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, PG70-22M	4
	69										69	SPECIAL	51631200	69	FT	SAWING AND SEALING BITUMINOUS CONCRETE JOINTS	5
				1,779						926	853	617	10100	1,779	CY	COMPACTED AGGREGATE	
				7						4	3	618	43000	7	MILE	RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE)	
				5,646						5,646		872	10000	5,646	FT	VOID REDUCING ASPHALT MEMBRANE (VRAM)	
																TRAFFIC CONTROL	
							513	161		346	328	621	00100	674	EACH	RPM	
							513	161		346	328	621	54000	674	EACH	RAISED PAVEMENT MARKER REMOVED	
						23				12	11	626	00116	23	EACH	BARRIER REFLECTOR, TYPE 5, 50FT SPACING, BI-DIRECTIONAL	
							13.8	4.9		9.7	9	642	00104	18.7	MILE	EDGE LINE, 6", TYPE 1	
							7.2	2.5		5	4.7	642	00300	9.7	MILE	CENTER LINE, TYPE 1	
							215			215		642	01500	215	FT	DOTTED LINE, 4", TYPE 1	
							557			557		644	00404	557	FT	CHANNELIZING LINE, 12"	
							47				47	644	00500	47	FT	STOP LINE	
								87			87	644	00630	87	FT	CROSSWALK LINE, 24"	
							243			243		644	00700	243	FT	TRANSVERSE/DIAGONAL LINE	
							128			128		644	00900	128	SF	ISLAND MARKING	
							6			6		644	01300	6	EACH	LANE ARROW	

DESIGN AGENCY

DESIGNER MEK
REVIEWER DEK 05/11/26
PROJECT ID 114881
SHEET P.9 TOTAL 19

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 11/6/2026 TIME: 9:39:31 AM PLTDRV: OHDOT_PDF_Color.pltcfg PENTBL: OHDOT_PenC.tbl USER: Matthew.Kelner@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 114881 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 02\Lucas\114881\400-Engineering\Roadway\Sheets\114881_GS001.dgn