

UTILITIES

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

AT & T - OHIO 130 N. ERIE ST. ROOM 714 TOLEDO, OHIO 419-245-7304	COLUMBIA GAS OF OHIO 1208 DICKINSON ST., FREMONT, OH 43420 800-344-4077
BUCKEYE CABLEVISION 2700 OREGON RD. NORTHWOOD, OH 43519 419-724-3716	COLUMBIA GAS TRANSMISSION 301 MAPLE ST. SUGAR GROVE, OH 43155 740-746-2297
BRIGHTSPEED (STAKECENTER) 175 ASHLAND RD. MANSFIELD, OH 44902 419-755-7183	GREEN CREEK TOWNSHIP 3106 LIMERICK RD. CLYDE, OH 43410 419-547-0363
CHARTER TELECOMM 3760 INTERCHANGE DR. COLUMBUS, OH 43204 614-255-6340	JOB 8 LLC 800 WOODLANDS PKWY RIDGELAND, MS 39157 601-956-9556
CLYDE - CITY OF (ELECTRIC) 309 PREMIER DR. CLYDE, OH 43410 419-547-7742	LUMEN 6185 Huntley Rd Suite E Columbus, Ohio 43229 Douglas Holloway (doug.holloway@lumen.com) 216.906.6284
CLYDE - CITY OF (SEWER) 222 N MAIN ST. CLYDE, OH 43410 419-547-6898	NORTHERN OHIO RURAL WATER 2205 US HIGHWAY 20 E. NORWALK, OH 44857-9521 419-668-7213
CLYDE - CITY OF (TRAFFIC) 222 N MAIN ST. CLYDE, OH 43410 419-547-6898	TOLEDO EDISON 6099 ANGOLA RD. HOLLAND, OH 419-249-5218
CLYDE - CITY OF (WATER) 222 N MAIN ST. CLYDE, OH 43410 419-547-6898	WINDSTREAM ENTERPRISES 6777 ENGLE RD. SUITE E, MIDDLEBURG HEIGHTS, OH 44130 440-214-0209

PROFILE AND ALIGNMENT

PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT.

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.

PAVEMENT MARKINGS

THE CONTRACTOR SHALL MAKE NOTE OF ALL EXISTING PAVEMENT MARKINGS AND RAISED PAVEMENT MARKERS BEFORE PERFORMING ANY WORK. ESTIMATED QUANTITIES HAVE BEEN INCLUDED TO BE USED AS DIRECTED BY THE ENGINEER.

PLANED SURFACES

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

ITEMS ADJUSTED TO GRADE

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER:

SAN-18	
ITEM 611 - CATCH BASIN ADJUSTED TO GRADE	14 EA
ITEM 611 - MANHOLE ADJUSTED TO GRADE	15 EA
ITEM 638 - VALVE BOX ADJUSTED TO GRADE	3 EA

SURVEYING PARAMETERS

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

PROJECT CONTROL

POSITIONING METHOD:	ODOT VRS
MONUMNET TYPE:	TYPE B

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM:	NAVD88 (ODOT VRS DERIVED)
GEOID:	2018

HORIZONTAL POSITIONING

REFERENCE FRAME:	NAD 83 (2011)
ELLIPSOID:	GRS80
MAP PROJECTION:	LAMBERT CONFORMAL COINC
COORDINATE SYSTEM:	ODOT LDP (SAN)
COMPBINED SCALE FACTOR:	GRID=1.000026
ORIGIN OF COORDINATE SYSTEM:	0,0

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.

ASPHALT CONCRETE FOR DRIVEWAYS

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED FOR THE ADJUSTING DRIVEWAYS AS DIRECTED BY THE ENGINEER:

ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG 64-22	75 CU YD
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THE JOB WILL NOT BE CONSIDERED COMPLETE UNTILL ALL DRIVEWAYS HAVE BEEN TREATED AS DIRECTED BY THE ENGINEER.

ASPHALT CONCRETE SAFETY EDGE

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

SAN-18 - ITEM 442, ASPHALT CONCRETE SURFACE COURSE, 9.5 MM, TYPE A, (446)

$$\frac{11,613 \text{ FT} * 0.064}{27} = 28 \text{ CU YD}$$

SEN-18 - ITEM 442, ASPHALT CONCRETE SURFACE COURSE, 9.5 MM, TYPE A, (446)

$$\frac{22300.52 \text{ FT} * 0.018}{27} \times 2 = 30 \text{ CU YD}$$

SAFETY EDGE QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 209 - PREPARING SUBGRADE FOR SHOULDER PAVING

PREPARE THE SHOULDER FOR PAVING A CONSISTENT SAFETY EDGE IN BOTH THICKNESS AND WIDTH.

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

SAN-18	2.2 MILE
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SEN-18	8.4 MILE
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CONTRACTOR COORDINATION

A GAS LINE REPLACEMENT PROJECT WILL BE UNDER CONSTRUCTION DURING THE SAME TIME FRAME AS THIS PROJECT FROM APPROXIMATELY FLAT-ROCK ROAD TO GARDNER STREET IN THE CITY OF BELLVUE. WORK ASSOCIATED WITH THIS PROJECT IS EXPECTED TO BE COMPLETED BY 07/15/2026. ANY RESURFACING WORK TO BE DONE BETWEEN FLAT-ROCK ROAD TO GARDNER STREET SHALL TAKE PLACE AFTER THE GAS LINE REPLACEMENT PROJECT IS COMPLETE.

SPECIAL ATTNETION SHALL BE GIVEN TO 105.08 OF THE CMS WHEN COOPERATING BETWEEN CONTRACTORS. CONTACT INFORMATION IS PROVIDED BELOW.

CONTACT INFORMATION:
MATT MOREHART
740-575-2935
MOREHART@NISOURCE.COM

SPEED MEASUREMENT MARKINGS

PLACE A SERIES OF SPEED MEASUREMENT MARKINGS ON THE ROADWAY TO ASSIST IN THE ENFORCEMENT OF SPEED REGULATIONS. EACH SPEED MEASUREMENT MARKING SHALL CONSIST OF ONE WHITE TRANSVERSE 24-INCH LINE MEASURED IN THE DIRECTION OF TRAVEL AND 4 FEET IN LENGTH. THE MARKINGS SHALL BE PLACED AT ONE-QUARTER MILE INTERVALS FOR A MINIMUM OF 1 MILE ALONG THE ROADWAY, AT LOCATIONS AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER. SPEED MEASUREMENT MARKINGS SHOULD AVOID BEING LOCATED IN THE VICINITY OF A TAPER, ENTRANCE RAMP OR EXIT RAMP.

ON MULTILANE HIGHWAYS WITH SHOULDER WIDTHS OF AT LEAST 6 FEET, CENTER THE SPEED MEASUREMENT MARKING ENTIRELY ON THE SHOULDER. IF THE SHOULDER WIDTH IS LESS THAN 6 FEET, CENTER THE MARKING ON THE EDGE LINE SUCH THAT IT EXTENDS 2 FEET ON EITHER SIDE. TO ASSURE VISIBILITY OF THE MARKINGS AND REDUCE PARALLAX ERRORS, FOR EACH DIRECTION UTILIZING AN AIR SPEED CHECK ZONE, A SET OF TWO MARKINGS (LEFT AND RIGHT SIDE) SHALL BE USED AT EACH ONE-QUARTER MILE INTERVAL.

ON TWO-LANE ROADWAYS, ONE MARKING SHOULD BE USED AT EACH ONE-QUARTER MILE INTERVAL AND INSTALLED ACROSS THE CENTER LINE SUCH THAT IT EXTENDS 2 FEET ON EITHER SIDE.

THE MARKINGS SHALL BE LAID OUT AND CERTIFIED BY A REGISTERED SURVEYOR. ON SECTIONS WITH CURVES, THE MARKINGS ON THE INSIDE OF THE CURVE SHALL MEET THE REQUIRED ONE-QUARTER MILE INTERVALS. MARKINGS ON THE OUTSIDE OF THE CURVE SHALL BE DIRECTLY ACROSS FROM THE MARKINGS ON THE INSIDE OF THE CURVE, NOT STAGGERED. A RECORD IS TO BE KEPT AND ONE ORIGINAL SIGNED AND SEALED DOCUMENT IS TO BE SENT TO THE DISTRICT TRAFFIC ENGINEER, ONE COPY IS TO BE SENT TO THE DISTRICT CONSTRUCTION ENGINEER AND ONE COPY IS TO BE SENT TO THE DISTRICT SURVEY OPERATIONS MANAGER.

MATERIALS, EQUIPMENT AND APPLICATION SHALL BE ACCORDING TO THE TYPE OF PAVEMENT MARKING MATERIAL USED.

PAYMENT WILL BE FOR EACH 24-INCH-WIDE BY 4 FEET LONG MARKING AND SHALL INCLUDE THE PAVEMENT MARKING MATERIAL USED AND THE SURVEYING WORK.THE FOLLOWING QUANTITIES HAS BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER:

ITEM 644 SPEED MEASURMENT MARKING, TYPE B125 6 EACH SLM 30.5 TO 31.0

DESIGN AGENCY



DESIGNER

NC

REVIEWER

JLE MM-DD-YY

PROJECT ID

121307

SHEET

4

TOTAL

45

SAN/SEN-18-0.00/30.47

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 11/10/2025 TIME: 11:22:00 AM PLTDRW: OHDOT_PDF Color.plt PENTBL: OHDOT PenC.tbl USER: John.Erford@doh.state.tx.gov WORKSPACE: OHDOTCEW02 WORKSET: 121307 PRODUCT: OpenRoadsDesigner 24.00.00.2005
pw:\ohdot-pw.bentley.com\ohdot-pw-02\Documents\01 Active Projects\District 02\Sandusky\121307\400-Engineering\Roadway\Streets\121307_GG001.dgn

SHEET NUMBER										PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
4	5	6	7	9	10	11				01/STR	02/S5K	03/S5K	04/NFP						
																	ROADWAY		
	30		225							255				202	23000	255	SY	PAVEMENT REMOVED	
				11						10	0.24	0.76		209	60500	11	MILE	LINEAR GRADING	
10.6										10.6				209	72050	10.6	MILE	PREPARING SUBGRADE FOR SHOULDER PAVING	
				2,759						1,004	132	1,623		875	10000	2,759	LB	LONGITUDINAL JOINT ADHESIVE	
																		EROSION CONTROL	
										300	200	300		832	30000	800	EACH	EROSION CONTROL	
																		DRAINAGE	
14												14		611	98630	14	EACH	CATCH BASIN ADJUSTED TO GRADE	
15												15		611	99654	15	EACH	MANHOLE ADJUSTED TO GRADE	
																		PAVEMENT	
	1,170									886	9		275	253	02000	1,170	CY	PAVEMENT REPAIR	
			400							400				254	01000	400	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.5"	
				66,727		1,037				67,764				254	01000	67,764	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.75"	
				31,903		1,368				11,077	817	21,377		254	01000	33,271	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 3.25"	
	15		38							53				301	56000	53	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
			50	10,139		280				7,361	114	2,994		407	10000	10,469	GAL	TACK COAT	
				1,330		57				463	34	890		442	00200	1,387	CY	ASPHALT CONCRETE SURFACE COURSE, 9.5 MM, TYPE A (446), 1.5"	
30				3,244		50				3,324				442	00200	3,324	CY	ASPHALT CONCRETE SURFACE COURSE, 9.5 MM, TYPE A (446), 1.75"	
28										17.5	1.5	9		442	00200	28	CY	ASPHALT CONCRETE SURFACE COURSE, 9.5 MM, TYPE A (446), 3.25"	
				1,551		66				538	40	1,039		442	20170	1,617	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (448), 1.75"	
75			30							80		25		441	70000	105	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	
				724						645	11	68		617	10100	724	CY	COMPACTED AGGREGATE	
				22,351						22,351				618	40900	22,351	FT	RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE)	
				22,351						22,351				874	20000	22,351	FT	LONGITUDINAL JOINT PREPARATION	
																		WATER WORK	
3												3		638	10800	3	EACH	VALVE BOX ADJUSTED TO GRADE	
																		TRAFFIC CONTROL	
					345					345				621	00100	345	EACH	RPM	
					342					342				621	54000	342	EACH	RAISED PAVEMENT MARKER REMOVED	
					10.7					10	0.1	0.6		642	00104	10.7	MILE	EDGE LINE, 6", TYPE 1	
					6.2					5	0.1	1.1		642	00300	6.2	MILE	CENTER LINE, TYPE 1	
					29							29		642	00404	29	FT	CHANNELIZING LINE, 12", TYPE 1	
					49					49				644	00500	49	FT	STOP LINE	
					156							156		644	00630	156	FT	CROSSWALK LINE, 24"	
					4					1		3		644	01000	4	EACH	RAILROAD SYMBOL MARKING	
					1							1		644	01300	1	EACH	LANE ARROW	
6										6				644	40000	6	EACH	SPEED MEASUREMENT MARKING	
																		MAINTENANCE OF TRAFFIC	
			12							8		4		614	12460	12	EACH	WORK ZONE MARKING SIGN	
		5								5				614	12500	5	EACH	REPLACEMENT SIGN	
		5								5				614	12600	5	EACH	REPLACEMENT DRUM	
			12.2							9.8	0.2	2.2		614	21000	12.2	MILE	WORK ZONE CENTER LINE, CLASS I	
			6.1							4.9	0.1	1.1		614	21550	6.1	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
												40,855		900	00100	40,855	EACH	RAILROAD FLAGGING SERVICES	
																		INCIDENTALS	
										LS				614	11000	LS		MAINTAINING TRAFFIC	
	12									12				619	16011	12	MNTH	FIELD OFFICE, TYPE B, AS PER PLAN	5
										LS				623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
										LS				624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER

NC

REVIEWER

11E MM-D

PROJECT ID

121307

CLIENT	TOTAL
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SHEET TOTAL