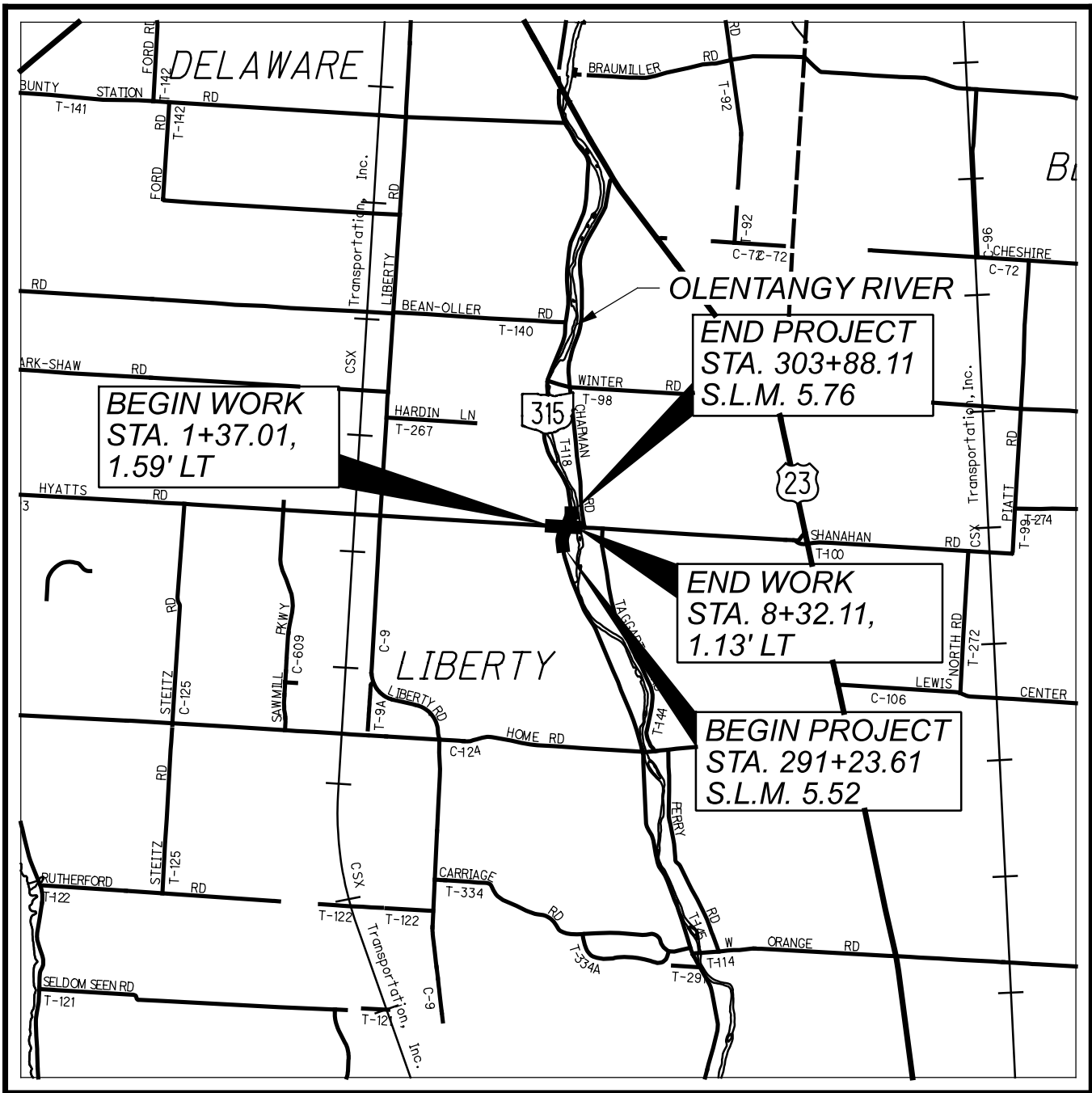
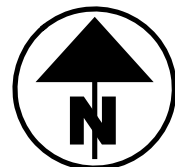




LOCATION MAP

LATITUDE: 40°12'54" LONGITUDE: -83°03'44"



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

DESIGN DESIGNATION	SR-315	HYATTS RD.
CURRENT ADT (2019)	8320	6230
DESIGN YEAR ADT (2044)	9100	8660
DESIGN HOURLY VOLUME (2044)	730	880
DIRECTIONAL DISTRIBUTION	51%	51%
TRUCKS (24 HOUR B&C)	5%	7%
DESIGN SPEED	45	50
LEGAL SPEED	45 MPH	50 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	05 MAJOR COLLECTOR (RURAL)	04 MINOR ARTERIAL (RURAL)
NHS PROJECT	NO	

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig

OHIO811.org
Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

PLAN PREPARED BY:

2LMN

Civil Engineers & Land Surveyors

THIS WORK PRODUCT WAS PREPARED TO MEET THE SPECIFICALLY EXPRESSED NEEDS OF OUR CLIENT AND IS NOT TO BE COPIED OR RELIED UPON BY ANY PERSON WHO IS NOT IN PRIVITY OF CONTRACT WITH OUR COMPANY, NOR IS IT TO BE USED FOR ANY OTHER PURPOSE THAN THAT FOR WHICH IT WAS EXPRESSLY PROVIDED.

2475 Sugar Grove Rd., SE
Lancaster, Ohio 43130

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Columbus, Ohio 43229

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Cleveland, Ohio 44115

(740) 681-5542 Phone
www.2LMN.com

STATE OF OHIO

DEPARTMENT OF TRANSPORTATION

DEL-315-5.52 AT HYATTS RD.

LIBERTY TOWNSHIP

DELAWARE COUNTY

INDEX OF SHEETS:

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GENERAL NOTES	P.021 - P.023
MAINTENANCE OF TRAFFIC	P.024 - P.028
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REMOVAL PLANS	P.044 - P.048
PLANS	P.049 - P.053
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EARTHWORK SUMMARY TABLE	P.094
SUPERELEVATION TABLE	P.095 - P.096
INTERSECTION DETAILS	P.097 - P.099
SPLITTER ISLAND DETAILS	P.100 - P.103
DRIVE DETAILS	P.104 - P.111
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TRAFFIC CONTROL	P.117 - P.125
LIGHTING PLANS	P.126 - P.129
GEOTECHNICAL PROFILE - ROADWAY	P.130 - P.135

STANDARD CONSTRUCTION DRAWINGS								SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS	
BP-3.1	1/21/22	DM-4.3	1/15/16	HL-10.12	7/21/23	TC-41.20	10/18/13		800-2023	7/19/24	RGPA 3/7/25
BP-3.2	1/18/19	DM-4.4	1/15/16	HL-10.13	1/20/23	TC-41.30	4/21/23		813	7/21/23	
BP-4.1	7/19/13			HL-20.11	7/21/23	TC-42.20	10/18/13		825	4/21/23	
BP-5.1	7/15/22	MGS-1.1	7/16/21	HL-30.11	7/21/23	TC-52.10	10/18/13		832	7/21/23	
BP-7.1	7/21/23	MGS-2.1	1/19/18	HL-30.22	1/15/21	TC-52.20	1/15/21		836	1/19/18	
		MGS-3.1	1/19/18	HL-40.20	7/21/23	TC-65.10	1/17/14				
CB-2-2A, 2B, 2C	1/20/23	MGS-4.2	7/19/13	HL-60.11	7/21/17	TC-65.11	7/15/22				
CB-3	7/16/21	MGS-5.2	7/15/16	HL-60.31	7/21/23	TC-71.10	4/21/23				
CB-3A	7/16/21	MGS-5.3	7/15/16			TC-74.10	7/21/23				
CB-6	1/21/22			MT-97.10	4/19/19						
CB-7	7/16/21	MH-3	7/21/23	MT-97.12	1/20/17						
				MT-99.20	4/19/19						
DM-1.1	7/17/20	RM-1.1	1/20/23	MT-101.60	4/21/23						
DM-1.2	7/16/21	RM-3.1	7/20/18	MT-101.90	7/17/20						
DM-4.1	7/17/20			MT-105.10	1/17/20						
DM-4.2	7/20/12	HL-10.11	7/21/23								

FEDERAL PROJECT NUMBER

E201128

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

SAFETY AND CAPACITY IMPROVEMENTS TO THE INTERSECTION OF SR-315 AND HYATTS RD. (CR-123) VIA A SINGLE LANE MODERN ROUNDABOUT .

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: 5.12 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.25 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: 5.37 ACRES

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON SHEETS P.024 - P.025.

SEE R/W PLANS FOR ADDITIONAL INFORMATION.

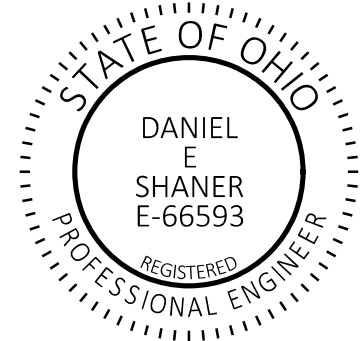
Anthony C. Turowski

Anthony C. Turowski, P.E.
District 06 Deputy Director

Pamela Boratyn

Pamela Boratyn
Director, Department of Transportation

ENGINEER'S SEAL



ENGINEER'S SEAL

LIGHTING



TITLE SHEET

DESIGN AGENCY

2LMN

DESIGNER

KAZ

REVIEWER

DES 01/09/24

PROJECT ID

113662

SHEET

P.001

TOTAL

129

UTILITIES

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

ELECTRIC: AEP OHIO - DISTRIBUTION 700 MORRISON RD. GAHANNA, OH 43230 ATTN: BOB MATHEWS (614) 833-7002 EMAIL: REMATHEWS@AEP.COM	TELEPHONE/INTERNET/CABLE: CHARTER COMMUNICATIONS (SPECTRUM) 3760 INTERCHANGE RD. COLUMBUS, OH 43204 ATTN: JOEY VLOCK (614) 402-1979 EMAIL: JOSEPH.VLOCK@CHARTER.COM
AEP OHIO - TRANSMISSION 8600 SMITHS MILL RD. NEW ALBANY, OH 43054 ATTN: MICHAEL CARR (380) 205-5072 EMAIL: TL_PUBLICPROJECTS@AEP.COM	FRONTIER COMMUNICATIONS 1300 COLUMBUS-SANDUSKY RD. MARION, OH 43302 ATTN: CHRIS AVERY (740) 360-8001 EMAIL: IRA.AVERY@FTR.COM
GAS: COLUMBIA GAS OF OHIO - DISTRIBUTION 3550 JOHNNY APPLESEED CT. COLUMBUS, OH 43231 ATTN: ROSS HOUSEHOLDER (724) 272-0874 EMAIL: RHOUSEHOLDER@NISOURCE.COM	GLO FIBER 1019 GOODALE BLVD. COLUMBUS, OH 43212 ATTN: DOUGAL BRAMMER (614) 353-4063 EMAIL: DOUGAL.BRAMMER@GLOFIBER.COM
WATER: DEL-CO WATER 6658 OLENTANGY RIVER RD. DELAWARE, OH 43015 ATTN: DAVE WOLF (740) 201-0130 EMAIL: DWOLF@DELCOWATER.COM	LUMEN (LEVEL 3) 6185 HUNTLEY RD. SUITE E COLUMBUS, OH 43229 ATTN: STEVE KAUFFMAN (614) 255-2112 STEVE.KAUFFMAN@LUMEN.COM
	ZAYO FIBER SOLUTIONS 4424 WEST SAM HOUSTON PKWY N, SUITE 600 HOUSTON, TX 77041 ATTN: LEAH SOOKDEO (346) 304-4311 EMAIL: LSOOKDEO@COBBFENDLEY.COM

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET P.002 OF THE PLANS FOR A TABLE CONTAINING 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:	18
HORIZONTAL POSITIONING	
REFERENCE FRAME:	NAD83 (2011)
ELLIPSOID:	GRS-80
MAP PROJECTION:	LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM:	OHIO STATE PLANE, NORTH ZONE
COMBINED SCALE FACTOR:	1.00001657027
ORIGIN OF COORDINATE SYSTEM:	0,0,0

SURVEYING PARAMETERS (CONT.)

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.

CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 7 PM AND 7 AM. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

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.

ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS, EVEN THOUGH OTHERWISE SHOWN.

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:	
659, TOPSOIL	788 CU. YD.
659, SEEDING AND MULCHING	SEE SHEET P.094
659, REPAIR SEEDING AND MULCHING	355 SQ. YD.
659, INTER-SEEDING	355 SQ. YD.
659, COMMERCIAL FERTILIZER	0.96 TON
659, LIME	1.47 ACRES
659, WATER	20 M. GAL.

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

CLEARING AND GRUBBING

REMOVE ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING. THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED.

SIZES	NO. TREES	NO. STUMPS	TOTAL
18"	<u>18</u>	<u>2</u>	<u>20</u>
30"	_____	_____	_____
48"	<u>1</u>	_____	<u>1</u>

ITEM SPECIAL - MAILBOX SUPPORT

THIS WORK SHALL CONSIST OF FURNISHING AND ERECTING MAILBOX SUPPORTS AND ANY ASSOCIATED MOUNTING HARDWARE IN ACCORDANCE WITH PLAN DETAILS, AND ATTACHING AN OWNER-SUPPLIED MAILBOX AT LOCATIONS SPECIFIED IN THE PLAN, OR OTHERWISE ESTABLISHED BY THE ENGINEER.

WOOD POSTS SHALL BE NOMINAL 4 INCHES BY 4 INCHES SQUARE OR 4.5 INCHES DIAMETER ROUND, AND CONFORM TO 710.14.

STEEL POSTS SHALL BE NOMINAL PIPE SIZE 2 INCHES I.D., AND CONFORM TO AASHTO M 181.

ALL HARDWARE INCLUDING BUT NOT LIMITED TO PLATES, SCREWS, BOLTS, AND ETC. SHALL BE COMMERCIAL-GRADE GALVANIZED STEEL.

POSTS SHALL BE SET PER THE FIRST PARAGRAPH OF 606.03, AND SHALL IN NO INSTANCE BE ENCASED IN CONCRETE.

SUPPORT HARDWARE SHALL ACCOMMODATE EITHER A SINGLE OR A DOUBLE MAILBOX INSTALLATION, AND NO MORE THAN TWO BOXES MAY BE MOUNTED ON A SINGLE POST.

THE MAILBOX SHALL BE SECURELY AND NEATLY ATTACHED BY THE CONTRACTOR TO THE NEW SUPPORT. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ATTACHMENT HARDWARE (NUTS, BOLTS, PLATES, SPACERS, AND WASHERS) AS NECESSARY TO ACCOMMODATE THE COMPLETE INSTALLATION.

IN THE ABSENCE OF A NEW BOX SUPPLIED BY THE OWNER, THE CONTRACTOR SHALL SALVAGE THE EXISTING BOX AND PLACE IT ON THE NEW SUPPORT. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY BOX DAMAGED BY IMPROPER HANDLING ON HIS PART, AS JUDGED AND DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE LOCAL POST MASTER REGARDING THE TIMING OF THE MOVEMENT OF ANY MAILBOX TO A NEW LOCATION.

PAYMENT UNDER THIS ITEM SHALL BE LIMITED TO FINAL PERMANENT INSTALLATIONS. TEMPORARY INSTALLATIONS SHALL BE IN ACCORDANCE WITH 107.10. HOWEVER, THE SAME MATERIAL AND SIZE LIMITATIONS AS FOR PERMANENT INSTALLATIONS SHALL APPLY.

MAILBOX SUPPORTS, COMPLETE IN PLACE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH, FOR ITEM SPECIAL MAILBOX SUPPORT SYSTEM, (SINGLE) (DOUBLE).

SPECIAL FLOOD HAZARD AREA INFORMATION

FLOODWAY AND FLOODPLAIN SHOWN IN THESE PLANS ARE BASED ON FEMA FLOOD INSURANCE RATE MAPS EFFECTIVE DATE 4/16/2009.

ITEM 202 – GATE REMOVED, AS PER PLAN

THIS ITEM SHALL CONSIST OF REMOVING AND DISPOSING OF VARIOUS PRIVATE FENCE GATES AND THEIR APPURTENANCES. REMOVAL ITEMS INCLUDE FENCE OR DRIVEWAY GATE (SINGLE OR DOUBLE DOOR), GATE MOUNTING POSTS AND HARDWARE, AND COMPONENTS ASSOCIATED WITH AUTOMATIC GATE OPERATION INCLUDING KEYPADS AND GATE MOTOR. PAYMENT FOR THIS ITEM SHALL BE EACH PER LOCATION, AND SHALL INCLUDE ALL LABOR AND EQUIPMENT TO PERFORM THE WORK, AND COST FOR DISPOSAL OF THE ITEMS REMOVED.

ITEM 202 – REMOVAL MISC.: LANDSCAPING

THIS WORK SHALL CONSIST OF REMOVING AND DISPOSING OF VARIOUS LANDSCAPING ITEMS REMAINING WITHIN THE PROJECT RIGHT OF WAY, AND WHICH ARE NOT OTHERWISE QUANTIFIED INDIVIDUALLY. THIS INCLUDES BUT IS NOT LIMITED TO LANDSCAPING TIMBERS AND TIES, STONE BED EDGING, POND LINERS AND MAN-MADE WATER FEATURES, DRIVEWAY PILLARS, AND LANDSCAPE BOULDERS/STONES/GRAVEL. PAYMENT FOR THIS ITEM SHALL INCLUDE ALL LABOR AND EQUIPMENT TO PERFORM THE WORK, AND COST FOR DISPOSAL OF THE ITEMS REMOVED. IT WILL BE PAID FOR UNDER THE COST FOR THIS ITEM

ITEM 202 - REMOVAL MISC.: LANDSCAPING	LUMP SUM
---------------------------------------	----------

THIS ITEM DOES NOT INCLUDE REMOVAL OF LANDSCAPING LIGHTING OR IRRIGATION SYSTEMS, WHICH ARE INCLUDED UNDER SEPARATE ITEMS.

ITEM 202 – REMOVAL MISC.: LANDSCAPE LIGHTING

THIS ITEM SHALL CONSIST OF REMOVING AND DISPOSING OF VARIOUS PRIVATE LANDSCAPE LIGHTS AND THEIR APPURTENANCES REMAINING IN THE PROJECT RIGHT OF WAY. THIS INCLUDES BUT IS NOT LIMITED TO BOTH LOW, HIGH VOLTAGE, AND SOLAR LIGHTS, WIRING, CONDUITS, AND THEIR CONTROL CENTERS. PRIOR TO REMOVAL OF LIGHTING, CONTRACTOR SHALL COORDINATE WITH THE PROPERTY OWNER TO ENSURE POWER SERVICE IS DISCONNECTED. PAYMENT FOR THIS ITEM SHALL BE EACH PER PROPERTY OWNER, AND SHALL INCLUDE ALL LABOR AND EQUIPMENT TO PERFORM THE WORK, AND COST FOR DISPOSAL OF THE ITEMS REMOVED.

ITEM 202 – REMOVAL MISC.: IRRIGATION

THIS ITEM SHALL CONSIST OF REMOVING AND DISPOSING OF VARIOUS PRIVATE IRRIGATION COMPONENTS REMAINING IN THE PROJECT RIGHT OF WAY. THIS INCLUDES BUT IS NOT LIMITED TO SPRINKLER HEADS, VALVES, CONDUITS, CONTROL CENTERS, AND SPIGOTS. PRIOR TO REMOVAL OF IRRIGATION COMPONENTS, CONTRACTOR SHALL COORDINATE WITH THE PROPERTY OWNER TO ENSURE WATER SERVICE IS SHUT OFF. PAYMENT FOR THIS ITEM SHALL BE EACH PER PROPERTY OWNER, AND SHALL INCLUDE ALL LABOR AND EQUIPMENT TO PERFORM THE WORK, AND COST FOR DISPOSAL OF THE ITEMS REMOVED.

ITEM 202 - REMOVAL MISC.: HISTORIC BRIDGE MARKER

THE EXISTING “HYATTS ROAD BRIDGE REPLACEMENT” PLAQUE AND CONCRETE PEDESTAL SHALL BE REMOVED, STORED, AND RECONSTRUCTED IN A SIMILAR RAISED STYLE AND LOCATION, AS APPROVED BY THE ENGINEER. REMOVAL OF THE CONCRETE PEDESTAL SHALL BE AS-PER ITEM 202. IF THE PEDESTAL IS NOT FULLY REMOVED, IT SHALL BE REMOVED TO A MINIMUM 1’ BELOW FINISHED GRADE. CARE SHALL BE TAKEN TO AVOID DAMAGING THE MARKER’S PLAQUE. PAYMENT FOR THIS ITEM SHALL INCLUDE REMOVAL, DISPOSAL, STORAGE, EXCAVATION, CONCRETE FORMWAORK, AND ANY OTHER MATERIALS, EQUIPMENT, OR LABOR REQUIRED TO PERFORM THE WORK NOTED ABOVE. IF THE PLAQUE IS DAMAGED DURING CONSTRUCTION, THIS ITEM WILL INCLUDE REPAIR OR REPLACEMENT OF THE PLAQUE AS DIRECTED BY THE ENGINEER.

DEL-315-5.52

MODEL: Sheet PAPER:SIZE: 34x22 (in.) DATE: 4/8/2025 TIME: 12:00:05 PM USER: Dan_Shaner
pww:\2lmm-pw-bentley.com\2lmm-pw-01\Documents\Projects\OHDOT\113662\400-Engineering\Roadway\Sheets\113662_G0001.dgn

SHEET NUM.																PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.021	P.022	P.026	P.027	P.028	P.032	P.033	P.034	P.035	P.036	P.094	P.118	P.119	P.126	RW.02	OFFICE CALC	01/SAF/21	02/STR/04						
																LS		201	11000	LS		ROADWAY	
						2											2	202	20010	2	EACH	CLEARING AND GRUBBING	
					1,431	644									5,580	7,011	316	202	23000	7,011	SY	HEADWALL REMOVED	
						420										328	420	202	35100	644	FT	PAVEMENT REMOVED	
						1,086												202	35200	420	FT	PIPE REMOVED, 24" AND UNDER	
																1,086		202	38000	1,086	FT	PIPE REMOVED, OVER 24"	
																						GUARDRAIL REMOVED	
					3											3		202	53100	3	EACH	MAILBOX REMOVED	
						3										1	2	202	58100	3	EACH	CATCH BASIN REMOVED	
						923										923		202	75000	923	FT	FENCE REMOVED	
						5										5		202	75251	5	EACH	GATE REMOVED, AS PER PLAN	P.021
LS																LS		202	98000	LS		REMOVAL MISC.: LANDSCAPING AREAS	P.021
						2										2		202	98100	2	EACH	REMOVAL MISC.: LANDSCAPE LIGHTING	P.021
						1										1		202	98100	1	EACH	REMOVAL MISC.: IRRIGATION	P.021
						1										1		202	98100	1	EACH	REMOVAL MISC.: HISTORIC BRIDGE MARKER	P.021
	1															1		202	98100	1	EACH	REMOVAL MISC.: INSPECTION WELL	P.022
	5															5		202	98200	5	FT	REMOVAL MISC.: CONDUIT	P.022
					700					7,185						7,885		203	10000	7,885	CY	EXCAVATION	
					67					1,872						1,939		203	20000	1,939	CY	EMBANKMENT	
	50															50		203	20001	50	CY	EMBANKMENT, AS PER PLAN	P.022
					1,434											1,434		204	10000	1,434	SY	SUBGRADE COMPACTION	
															6	6		204	45000	6	hour	PROOF ROLLING	
															10,727	10,727		206	15010	10,727	SY	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP	
															10,727	10,727		206	11000	10,727	SY	CURING COAT	
						663										663		606	15050	663	FT	GUARDRAIL, TYPE MGS	
						213										213		606	15100	213	FT	GUARDRAIL, TYPE MGS WITH LONG POSTS	
						25										25		606	15400	25	FT	MGS GUARDRAIL, TYPE 8	
						50										50		606	17350	50	FT	GUARDRAIL, TYPE MGS, 25' LONG-SPAN	
						1										1		606	17500	1	EACH	POST END ANCHOR (OR CONCRETE BLOCK END ANCHOR)	
						6										6		606	26150	6	EACH	ANCHOR ASSEMBLY, MGS TYPE E, (MASH 2016)	P.022
						2										2		606	26550	2	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
						2										2		606	32160	2	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE TST	
					363											363		608	52000	363	SF	CURB RAMP	
														8		8		623	38500	8	EACH	MONUMENT ASSEMBLY, TYPE C	RW.02
					3											3		SPECIAL	69050100	3	EACH	MAILBOX SUPPORT SYSTEM, SINGLE	P.021
					2											2		SPECIAL	69050350	2	EACH	MAILBOX REMOVED AND RESET	P.021
							3	8									3	601	11000	3	SY	EROSION CONTROL	
																8		601	21050	8	SY	RIPRAP, TYPE D	
									50							50		601	21061	50	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
							7										7	601	32204	7	CY	TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYMENT, AS PER PLAN	P.017
																						ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC	
																788		659	00300	788	CY	TOPSOIL	
										7,099						7,099		659	10000	7,099	SY	SEEDING AND MULCHING	
																355		659	14000	355	SY	REPAIR SEEDING AND MULCHING	
																355		659	15000	355	SY	INTER-SEEDING	
																0.96		659	20000	0.96	TON	COMMERCIAL FERTILIZER	
																1.47		659	31000	1.47	ACRE	LIME	
																20		659	35000	20	MGAL	WATER	
									1,039							1,039		670	00500	1,039	SY	SLOPE EROSION PROTECTION	
									564							564		670	00700	564	SY	DITCH EROSION PROTECTION	
									92							92		670	00720	92	SY	DITCH EROSION PROTECTION MAT, TYPE B	
																LS	LS	832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
																LS	LS	832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	
																LS	LS	832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
																60,000	5,000	832	30000	65,000	EACH	EROSION CONTROL	
									81							81		836	10000	81	SY	SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1	

GENERAL SUMMARY

DESIGN AGENCY

2LMN

DESIGNER

KAZ

REVIEWER

DES 12/17/24

PROJECT ID

113662

SHEET

P.029

TOTAL

129

SHEET NUM.																PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.021	P.022	P.026	P.027	P.028	P.032	P.033	P.034	P.035	P.036	P.094	P.118	P.119	P.126	RW.02	OFFICE CALC	01/SAF/21	02/STR/04						
																						DRAINAGE	
							9.1										9.1	602	20000	9.1	CY	CONCRETE MASONRY	
								336								336		605	13300	336	FT	6" UNCLASSIFIED PIPE UNDERDRAINS	
							4,194									4,194		605	14000	4,194	FT	6" BASE PIPE UNDERDRAINS	
								114								114		611	00510	114	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
							81									81		611	02400	81	FT	8" CONDUIT, TYPE D	
							296									296		611	04400	296	FT	12" CONDUIT, TYPE B	
							301									301		611	04600	301	FT	12" CONDUIT, TYPE C	
							97									97		611	04900	97	FT	12" CONDUIT, TYPE D	
							57									57		611	05900	57	FT	15" CONDUIT, TYPE B	
							8									8		611	07600	8	FT	18" CONDUIT, TYPE C	
							43										43	611	10600	43	FT	24" CONDUIT, TYPE C	
							333										333	611	13600	333	FT	30" CONDUIT, TYPE C	
							295										295	611	20900	295	FT	48" CONDUIT, TYPE B	
							201										201	611	21100	201	FT	48" CONDUIT, TYPE C	
	5															5		611	97400	5	FT	CONDUIT, MISC.: TYPE B FOR DRAINAGE DISCHARGE CONTINUANCE	P.022
	5															5		611	97400	5	FT	CONDUIT, MISC.: TYPE C FOR DRAINAGE DISCHARGE CONTINUANCE	P.022
	5															5		611	97400	5	FT	CONDUIT, MISC.: TYPE E FOR DRAINAGE DISCHARGE CONTINUANCE	P.022
	5															5		611	97400	5	FT	CONDUIT, MISC.: TYPE F FOR DRAINAGE DISCHARGE CONTINUANCE	P.022
							1									1		611	98150	1	EACH	CATCH BASIN, NO. 3	
							3									3		611	98180	3	EACH	CATCH BASIN, NO. 3A	
							2									2		611	98390	2	EACH	CATCH BASIN, NO. 7	
							1									1		611	98410	1	EACH	CATCH BASIN, NO. 8	
							1									1		611	98450	1	EACH	CATCH BASIN, NO. 2-2A	
							2									2		611	98470	2	EACH	CATCH BASIN, NO. 2-2B	
							2									2		611	98690	2	EACH	CATCH BASIN, MISC.: C.O.C. AA-S125A W/ C.O.C. AA-S129	P.116
							5									5		611	99574	5	EACH	MANHOLE, NO. 3	
							2										2	611	99574	2	EACH	MANHOLE, NO. 3, WITH 60" BASE I.D.	
							3										3	611	99574	3	EACH	MANHOLE, NO. 3, WITH 72" BASE I.D.	
								4								4		611	99710	4	EACH	PRECAST REINFORCED CONCRETE OUTLET	
	1															1		611	99720	1	EACH	INSPECTION WELL	
																						PAVEMENT	
					66											66		252	01500	66	FT	FULL DEPTH PAVEMENT SAWING	
																1,169	1,169	301	56000	1,169	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
					217											1,954	2,171	304	20000	2,171	CY	AGGREGATE BASE	
					40											792	832	407	20000	832	GAL	NON-TRACKING TACK COAT	
																913	913	422	11000	913	SY	AGGREGATE, SINGLE CHIP SEAL, TYPE A	
					40											40		441	70500	40	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS)	
					35											35		441	70700	35	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449), (DRIVEWAYS)	
																330	330	442	10000	330	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)	
																385	385	442	10080	385	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446)	
					264												264	452	10010	264	SY	6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
					143												143	452	12010	143	SY	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
																501	501	452	14110	501	SY	11" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
																123	123	452	15010	123	SY	12" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
																1,738	1,738	609	12000	1,738	FT	COMBINATION CURB AND GUTTER, TYPE 2	
					88												88	609	20000	88	FT	CURB, TYPE 3-A	
																1,891	1,891	609	26000	1,891	FT	CURB, TYPE 6	
																359	359	609	31000	359	FT	COMBINATION CURB AND GUTTER, TYPE 9	
																359	359	609	31001	359	FT	COMBINATION CURB AND GUTTER, TYPE 9, AS PER PLAN	P.006
																640	640	609	70000	640	SY	4" CONCRETE MEDIAN	

GENERAL SUMMARY

DESIGN AGENCY
2LMN

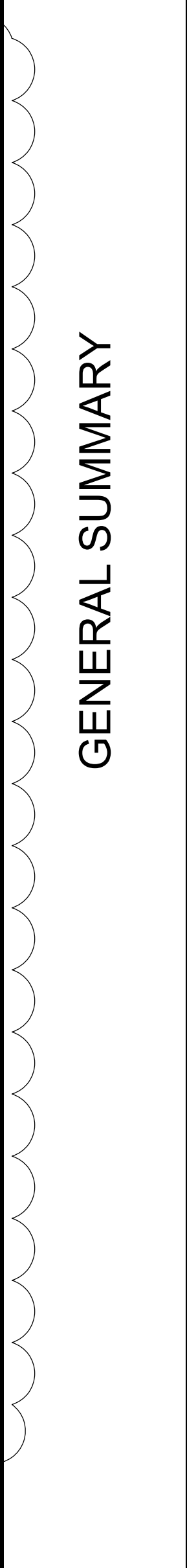
DESIGNER
KAZ

REVIEWER
DES 01/09/24

PROJECT ID
113662

SHEET
P.030

TOTAL
129

		GENERAL SUMMARY	
DESIGN AGENCY		2LMN	
DESIGNER KAZ			
REVIEWER DES		01/09/24	
PROJECT ID		113662	
SHEET P.031	TOTAL	129	

MODEL: Sheet PAPER SIZE: 34x22 (in.) DATE: 4/8/2025 TIME: 12:00:20 PM USER: Dan_Shaner
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ROADWAY SUBSUMMARY

MODEL SHEET PAPER SIZE: 34x22 (in.) DATE: 4/8/2025 TIME: 12:00:24 PM USER: Dan_Shaner
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REF NO.	SHEET NO.	BL	STATION TO STATION				606	606	606	606	606	606	606	626		202	202	202	202	202	202	202	202	202	
							GUARDRAIL, TYPE MGS	GUARDRAIL, TYPE MGS WITH LONG POSTS	MGS GUARDRAIL, TYPE 8	GUARDRAIL, TYPE MGS, 25' LONG-SPAN	POST END ANCHOR (OR CONCRETE BLOCK END ANCHOR)	ANCHOR ASSEMBLY, MGS TYPE E, (MASH 2016)	ANCHOR ASSEMBLY, MGS TYPE T	BRIDGE TERMINAL ASSEMBLY, TYPE T&T	BARRIER REFLECTOR, TYPE 2, BI-DIRECTIONAL		HEADWALL REMOVED	PIPE REMOVED, 24" AND UNDER	PIPE REMOVED, OVER 24"	GUARDRAIL REMOVED	CATCH BASIN REMOVED	FENCE REMOVED	GATE REMOVED, AS PER PLAN	REMOVAL MISC.: LANDSCAPE LIGHTING	REMOVAL MISC.: IRRIGATION
							FT	FT	FT	FT	EACH	EACH	EACH	EACH	EACH		EACH	FT	FT	FT	EACH	FT	EACH	EACH	EACH
GR-1	P.049	315	291+43.66	LT.	TO	293+15.62	LT.	87.5			25		1	1		6									
GR-2	P.049		315	291+44.88	RT.		293+95.88	RT.	125			25		2		7									
GR-3	P.051		315	301+13.47	RT.		304+58.03	RT.	312.5					1		10									
GR-4	P.051		315	304+05.09	LT.		304+58.36	LT.						1		3									
GR-5	P.052		HYATTS	1+37.03	RT.		3+85.98	RT.			212.5	25		1		7									
GR-6	P.053		HYATTS	7+16.10 R2	RT.		8+58.97 R2	RT.	100						1	1	5								
GR-7	P.053		HYATTS	7+37.62 R2	LT.		8+51.89 R2	LT.	37.5					1		1	5								
R-1	P.044	315	291+04.37	LT.		293+17.08	LT.												221						
R-2	P.044		315	291+41.29	RT.		293+47.62	RT.											203						
R-3	P.044		315	292+73.26	RT.		294+31.59	RT.												192					
R-5	P.044		315	294+06.56	RT.		294+73.35	RT.														1			
R-6	P.044		315	294+28.29	LT.		294+77.97	LT.																	
R-7	P.044		315	294+31.59	RT.		294+49.46	RT.																	
R-8	P.044		315	294+43.87	LT.		294+87.77	LT.																	
R-9	P.044		315	294+57.61	LT.		294+73.11	LT.																	
R-10	P.044		315	294+49.46	RT.		6+96.37 R2	RT.																	
R-11	P.045		315	297+65.19	LT.		297+80.76	LT.																	
R-12	P.045	HYATTS		7+50.36	RT.																				
R-13	P.045	HYATTS		7+78.57	LT.		5+53.75 R2	LT.																	
R-14	P.045	315		299+08.17	LT.		300+91.81	LT.																	
R-15	P.045	315		299+14.94	LT.		300+96.89	LT.																	
R-16	P.046	315		303+18.61	RT.		304+58.03	RT.																	
R-17	P.046	315		304+36.91	LT.		304+58.36	LT.																	
R-18	P.047	HYATTS		1+37.03	RT.		4+31.59	RT.																	
R-19	P.047	HYATTS		3+24.89	LT.		3+48.31	LT.																	
R-20	P.047	HYATTS		3+33.36	RT.		5+73.07	RT.																	
R-21	P.047	HYATTS	3+49.05	LT.		4+69.23	LT.																		
R-22	P.047	HYATTS	6+01.20	LT.		6+33.70	LT.																		
R-29	P.047	HYATTS	5+39.54	RT.		5+56.84	RT.																		
R-23	P.048	HYATTS	6+96.37 R2	RT.		7+14.33 R2	RT.																		
R-24	P.048		7+09.40 R2	LT.		7+37.52 R2.	LT.																		
R-25	P.048		7+14.33 R2	RT.		8+53.13 R2	RT.																		
R-26	P.048		7+44.36 R2	LT.		8+47.68 R2	LT.																		
R-27	P.048		7+57.93 R2	RT.		8+54.75 R2	RT.																		
R-28	P.048		8+19.08 R2	RT.		8+19.08 R2	RT.																	1	
</																									

MODEL: Sheet PAPER SIZE: 34x22 (in.) DATE: 4/8/2025 TIME: 12:00:29 PM USER: Dan_Shaner
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MODEL: Sheet PAPER SIZE: 34x22 (in.) DATE: 4/8/2025 TIME: 12:00:29 PM USER: Dan_Shaner
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MODEL: Sheet PAPER: 34x22 (in.) DATE: 4/8/2025 TIME: 12:00:35 PM USER: Dan_Shaner
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UNDERDRAINAGE SUBSUMMARY

MODEL: Sheet PAPER SIZE: 34x22 (in.) DATE: 4/8/2025 TIME: 12:00:40 PM USER: Dan_Shaner
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DESIGN AGENCY	
2LMN	
DESIGNER	
KAZ	
REVIEWER	
DES 01/09/24	
PROJECT ID	
113662	
SHEET	TOTAL
P.036	129

MODEL: Sheet PAPER SIZE: 34x22 (in.) DATE: 4/8/2025 TIME: 12:00:45 PM USER: Dan_Shaner
pw:\12lmn-pw.bentley.com\2lmn-pw-01\Documents\Projects\CHDOT\113662\400-Engineering\Traffic\Sheets\113662_TS001.dgn

DESIGN AGENCY	
2LMN	
DESIGNER	
JG	
REVIEWER	
DES 01/09/24	
PROJECT ID	
113662	
SHEET	TOTAL
P.117	129

MODEL: Sheet PAPER SIZE: 34x22 (in.) DATE: 4/8/2025 TIME: 12:00:51 PM USER: Dan_Shaner
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SUBSUMMARY - TRAFFIC CONTROL

REF NO.	SHEET NO.	CL.	STATION TO STATION			621	621	621	621	644	644	644													
						RPM (YELLOW/YELLOW)	RPM (YELLOW/RED)	RPM (WHITE/RED)	RAISED PAVEMENT MARKER REMOVED	EDGE LINE, 6"	CENTER LINE	DOTTED LINE, 12"	YIELD LINE												
						EACH	EACH	EACH	EACH	MILE	MILE	FT	FT												
CL-1	P.120	S-NB	9+50.00		TO	12+57.37	5				0.06														
CL-2	P.120	S-SB	12+57.37			13+92.24		6			0.03														
CL-3	P.120	S-NB	20+00.00			21+35.50		6			0.03														
ELW-1	P.120	S-NB	9+50.00	LT		13+92.24				0.09															
ELW-2	P.120	S-NB	9+50.00	RT		13+92.24				0.09															
ELY-1	P.120	S-SB	21+35.50			23+40.47		11		0.04															
ELY-2	P.120	S-NB	13+92.24			15+93.55		11		0.04															
ELW-3	P.121	N-NB	31+72.28	LT		35+50.00				0.08															
ELW-9	P.121	CC	0+00.00			0+14.58			2	0.01															
ELW-10	P.121	CC	0+71.48			1+03.23			2	0.01															
ELW-11	P.121	CC	2+13.87			2+50.86			2	0.01															
ELW-12	P.121	CC	3+12.88			3+52.07			2	0.01															
ELW-13	P.121	CC	4+51.38			4+71.24			2	0.01															
YL-1	P.121	S-NB	15+93.55			15+93.55							18												
YL-2	P.121	W-EB	55+04.65			55+04.65							18												
YL-3	P.121	N-SB	40+00.00			40+00.00							18												
YL-4	P.121	E-WB	80+00.00			80+00.00							18												
ELY-3	P.121	CC	0+00.00			4+71.23		9		0.07															
ELY-4	P.121	N-SB	40+00.00			42+02.06		6		0.04															
ELY-5	P.121	N-NB	30+00.00			32+04.78		6		0.04															
ELY-8	P.121	E-WB	80+00.00			81+22.00		6		0.03															
ELY-9	P.121	E-EB	70+00.00			71+28.68		6		0.03															
DL-1	P.121	CC	4+11.49			4+51.38						40													
DL-2	P.121	CC	0+34.55	LT		0+71.48						39													
DL-3	P.121	CC	1+73.81			2+13.87						40													
DL-4	P.121	CC	2+71.06	LT		3+12.88						44													
CL-4	P.123	N-SB	42+02.06			44+22.05		14		0.05															
CL-5	P.123	N-NB	32+04.78			34+26.80		11		0.05															
CL-6	P.123	N-NB	34+26.80			35+50.00	2			0.03															
ELW-4	P.123	N-NB	32+04.78	RT		35+50.00				0.07															
CL-7	P.124	W-WB	60+00.00			60+64.70	2			0.02															
CL-8	P.124	W-WB	60+64.70			64+29.58	5			0.07															
CL-9	P.124	W-EB	50+00.00			53+64.88	5			0.07															
ELW-5	P.124	W-WB	60+00.00	LT		61+98.00				0.04															
ELW-6	P.124	W-WB	60+00.00	RT		62+24.00				0.05															
ELY-6	P.124	W-WB	64+29.58			65+70.47		6		0.03															
ELY-7	P.124	W-EB	53+64.88			55+04.65		6		0.03															
CL-10	P.125	E-WB	81+22.00			82+64.15	1	10		0.03															
CL-11	P.125	E-WB	82+64.15			82+72.00	1			0.01															
CL-12	P.125	E-EB	71+29.00			72+70.17	1	10		0.03															
ELW-7	P.125	E-WB	81+22.00	LT		82+70.10				0.03															
ELW-8	P.125	E-WB	81+22.00	RT		82+73.90				0.03															
SR-315						291+23.61				17															
SUBTOTAL						22	124	10																	
TOTALS CARRIED TO GENERAL SUMMARY						156		17	0.88	0.48	163	72													

SUBSUMMARY - TRAFFIC CONTROL

DESIGN AGENCY

2LMN

DESIGNER

JG

REVIEWER

DES 01/09/24

PROJECT ID

113662

SHEET

P.119

TOTAL

129