

LOCATION MAP

LATITUDE: 40°52'39" LONGITUDE: -84°37'31"



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

DESIGN DESIGNATION	US 224	LINCOLN HIGHWAY (CR 418)
CURRENT ADT (2026)	4,200	2,800
DESIGN YEAR ADT (2046)	5,100	2,900
DESIGN HOURLY VOLUME (2046)	650	400
DIRECTIONAL DISTRIBUTION	58%	58%
TRUCKS (24 HOUR B&C)	30%	3%
DESIGN SPEED	60 MPH	50 MPH
LEGAL SPEED	55 MPH	45 MPH
DESIGN FUNCTIONAL CLASSIFICATION:		
04 - URBAN MINOR ARTERIAL (US 224), 04 - URBAN MINOR ARTERIAL (LINCOLN HWY EAST), 05 - URBAN MAJOR COLLECTOR (LINCOLN HWY WEST)		
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:
STRAND ASSOCIATES, INC.
615 ELSINORE PLACE, SUITE 320
CINCINNATI, OH 45202

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

VAN-224-10.88 PART 1

PLEASANT TOWNSHIP
VAN WERT COUNTY

FOR PART 2, SEE VAN-224-11.44
FOR PART 3, SEE VAN-30-11.34

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FEDERAL PROJECT NUMBER

E230 (884)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

CONSTRUCTION OF A SINGLE LANE ROUNDBOUT AT THE INTERSECTION OF US 224 AND LINCOLN HIGHWAY (CR 418) TO IMPROVE TRAFFIC SAFETY. THIS PROJECT INCLUDES NEW PAVEMENT, CURB AND GUTTER, LIGHTING, AND PAVEMENT MARKINGS OVER A PROJECT LENGTH OF APPROXIMATELY 0.18 MILES ALONG US 224 AND 0.18 MILES ALONG LINCOLN HIGHWAY (CR 418).

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	4.71 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.25 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	4.96 ACRES

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

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 OF 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.13 & P.14.

Christopher A. Hughes, P.E.
District 01 Deputy Director

Pamela Boratyn
Director, Department of Transportation

STANDARD CONSTRUCTION DRAWINGS										SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS			
BP-2.1	1/21/22	F-2.1	7/20/18	GSD-1-19	7/19/24	HL-60.12	7/21/23	MT-101.90	7/17/20	TC-61.30	7/19/24	800-2023	7/18/25	ASBESTOS REPORT
BP-2.2	1/15/21	F-3.1	7/19/13	HW-2.1	7/15/22	HL-60.31	7/19/24	MT-102.10	7/21/23	TC-65.10	1/17/14	808	7/19/24	10/04/21 (PART 2)
BP-3.1	1/19/24			HW-2.2	7/20/18			MT-104.10	1/19/24	TC-65.11	1/17/25	809	1/16/26	
BP-4.1	7/19/13	MGS-2.1	7/18/25	ICD-1-20	1/19/24	MT-95.40	7/18/25	MT-105.10	1/17/20	TC-71.10	7/18/25	813	7/21/23	
BP-5.1	7/18/25	MGS-3.1	7/18/25	SBR-1-20	7/19/24	MT-95.45	7/21/23			TC-72.20	7/18/25	821	4/20/12	
BP-9.1	1/18/19	MGS-4.3	7/18/25			MT-95.50	7/21/17	TC-41.10	7/19/13			832	7/18/25	
		MGS-5.3	7/15/16	HL-10.11	7/21/23	MT-96.11	7/18/25	TC-41.20	10/18/13			902	7/19/19	
CB-2-2A, 2B, 2C	7/19/24			HL-10.12	7/21/23	MT-96.20	7/18/25	TC-41.30	4/21/23			908	1/17/25	
CB-3A	7/19/24	MH-3	7/19/24	HL-10.13	1/20/23	MT-96.26	1/17/25	TC-41.50	10/18/13			913	4/16/21	
				HL-20.11	7/18/25	MT-98.10	1/17/20	TC-42.10	10/18/13			921	7/19/24	
DM-1.1	1/17/25	RM-1.1	1/16/26	HL-30.11	7/21/23	MT-98.29	1/17/20	TC-42.20	10/18/13			961	4/17/20	
DM-1.2	1/17/25	RM-3.1	7/20/18	HL-30.21	4/17/20	MT-99.20	4/19/19	TC-51.11	7/18/25					
DM-4.1	7/17/20	RM-4.2	7/18/25	HL-30.22	1/17/25	MT-99.30	1/17/20	TC-51.12	7/18/25					
DM-4.3	1/15/16			HL-40.20	7/18/25	MT-101.60	1/17/25	TC-52.10	10/18/13					
DM-4.4	1/15/16	AS-1-15	1/20/23	HL-50.11	1/16/15	MT-101.70	7/19/24	TC-52.20	1/15/21					
		AS-2-15	7/21/23	HL-60.11	7/21/17	MT-101.75	7/21/23	TC-61.10	4/21/23					

ENGINEER'S SEAL	ENGINEER'S SEAL
ROADWAY	LIGHTING

DESIGN AGENCY	
DESIGNER	NJJA
REVIEWER	CJR 08/13/25
PROJECT ID	120111
SHEET	TOTAL
P.1	P.92

SHEET NUMBER												PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
P.12	P.18	P.19	P.65	P.66	P.67	P.68	P.75	P.84				01/SSK	EXT	TOTAL				
		1,348										1,348	609	12000	1,348	FT	COMBINATION CURB AND GUTTER, TYPE 2	
		190										190	609	12001	190	FT	COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN	P.10
		746										746	609	26001	746	FT	CURB, TYPE 6, AS PER PLAN	P.10
		2,312										2,312	609	31000	2,312	FT	COMBINATION CURB AND GUTTER, TYPE 9	
		790										790	609	31001	790	FT	COMBINATION CURB AND GUTTER, TYPE 9, AS PER PLAN	P.10
LIGHTING																		
							18					18	625	00450	18	EACH	CONNECTION, FUSED PULL APART	
							12					12	625	00480	12	EACH	CONNECTION, UNFUSED PERMANENT	
							9					9	625	10491	9	EACH	LIGHT POLE, CONVENTIONAL, AS PER PLAN (INSTALLATION ONLY)	P.74
							9					9	625	14100	9	EACH	LIGHT POLE FOUNDATION, 24" X 8' DEEP	
							4,887					4,887	625	23302	4,887	FT	NO. 6 AWG 2400 VOLT DISTRIBUTION CABLE	
							936					936	625	23400	936	FT	NO. 10 AWG POLE AND BRACKET CABLE	
							1,216					1,216	625	25300	1,216	FT	CONDUIT, 1-1/2", 725.04	
							30					30	625	25400	30	FT	CONDUIT, 2", 725.04	
							246					246	625	25902	246	FT	CONDUIT, JACKED OR DRILLED, 725.04, 3"	
							9					9	625	26253	9	EACH	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN, TYPE II, LED, 240 VOLT	P.74
							1,246					1,246	625	29000	1,246	FT	TRENCH	
							6					6	625	30700	6	EACH	PULL BOX, 725.08, 18"	
							9					9	625	32000	9	EACH	GROUND ROD	
							1					1	625	34001	1	EACH	POWER SERVICE, AS PER PLAN	P.74
							1,246					1,246	625	36010	1,246	FT	UNDERGROUND WARNING/MARKING TAPE	
							1					1	625	76000	1	EACH	ARC FLASH CALCULATIONS AND LABEL, CCA	
TRAFFIC CONTROL																		
			144									144	621	00100	144	EACH	RPM	
			26									26	621	54000	26	EACH	RAISED PAVEMENT MARKER REMOVED	
	5											5	626	00112	5	EACH	BARRIER REFLECTOR, TYPE 3 (BIDIRECTIONAL)	
			326.9	201.8								528.7	630	03100	528.7	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
			125.1	41.9								167	630	03101	167	FT	GROUND MOUNTED SUPPORT, NO. 3 POST, AS PER PLAN	P.10
			20	7								27	630	08600	27	EACH	SIGN POST REFLECTOR	
			256.7	156.2								412.9	630	80100	412.9	SF	SIGN, FLAT SHEET	
				21	3							24	630	84900	24	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
				2	4							6	630	85001	6	EACH	REMOVAL OF GROUND MOUNTED SIGN AND STORAGE, AS PER PLAN	P.11
				27	9							36	630	86002	36	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
			1.28									1.28	644	00104	1.28	MILE	EDGE LINE, 6"	
			0.37									0.37	644	00300	0.37	MILE	CENTER LINE	
			283									283	644	00700	283	FT	TRANSVERSE/DIAGONAL LINE	
			152									152	644	01520	152	FT	DOTTED LINE, 12"	
			65									65	644	20800	65	FT	YIELD LINE	
LANDSCAPING																		
							309					309	661	99930	309	SY	PLANTING, MISC.: 10" GRAY WASHED RIVER STONE MULCH	P.84
MAINTENANCE OF TRAFFIC																		
20												20	253	02000	20	CY	PAVEMENT REPAIR	
20												20	407	20000	20	GAL	NON-TRACKING TACK COAT	
10												10	441	70000	10	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	
												LS	614	12420	LS		DETOUR SIGNING	
20												20	614	18601	20	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	P.12
22												22	616	10000	22	MGAL	WATER	
50												50	617	10100	50	CY	COMPACTED AGGREGATE	
INCIDENTALS																		
												LS	614	11000	LS		MAINTAINING TRAFFIC	
												LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
												LS	624	10000	LS		MOBILIZATION	


DESIGN AGENCY

 STRAND ASSOCIATES
 DESIGNER
 NJA
 REVIEWER
 ATW 08/01/25
 PROJECT ID
 120111
 SHEET TOTAL
 P.17 P.92

REF NO.	SHEET NO.	STATION TO STATION				625		625	625	625		625	625	625	625	625	625	625	625	625				
						CONNECTION, FUSED PULL APART		CONNECTION, UNFUSED PERMANENT	LIGHT POLE (INSTALLATION ONLY), AS PER PLAN	LIGHT POLE FOUNDATION, 24" X 8' DEEP		NO. 6 AWG 2400 VOLT DISTRIBUTION CABLE	NO. 10 AWG POLE AND BRACKET CABLE	CONDUIT, 1-1/2", 725.04	CONDUIT, 2", 725.04	CONDUIT, JACKED OR DRILLED, 725.04, 3"	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN, TYPE II, LED, 240 VOLT	TRENCH	PULL BOX, 725.08, 18"	GROUND ROD	POWER SERVICE, AS PER PLAN	UNDERGROUND WARNING/MARKING TAPE	ARC FLASH CALCULATIONS AND LABEL, CCA	
START		TO	END		EACH		EACH	EACH	EACH		FT	FT	FT	FT	FT	EACH	FT	EACH	EACH	EACH	FT	EACH		
EX POLE	P.76	11+85.10	11+93.03	CCA										13			13			1	13	1		
CCA	P.76	11+93.03	11+97.34	PB1			2				81			17			17	1			17	1		
PB1	P.76	11+97.34	15+18.91	L1						999			323				323				323			
L1	P.76	15+18.91			2			1	1						1				1					
L1	P.76-75	15+18.91	15+99.41	PB2			2				282		104				84	1			84			
PB2	P.75	15+99.41	35+49.41	L2							312			94			94				94			
L2	P.75	35+49.41			2			1	1				104			1			1					
L2	P.75	35+49.41	35+31.53	PB3			2				117			29			29	1			29			
PB3	P.75	35+31.53	35+24.76	PB4			2				291					87		1						
PB4	P.75	35+24.76	33+86.64	L3							417			129			129				129			
L3	P.75	33+86.64			2			1	1				104			1			1					
PB4	P.75	35+24.76	35+67.47	L4							111			27			27				27			
L4	P.75	35+67.47			2			1	1							1			1					
L4	P.75	35+67.47	18+85.95	L5							366			112			112				112			
L5	P.75	18+85.95			2			1	1				104			1			1					
PB2	P.75	15+99.41	16+12.10	PB6			2				219					63		1						
PB6	P.76-75	16+12.10	13+90.04	L9							660			210			210				210			
L9	P.76	13+90.04			2			1	1				104			1			1					
PB6	P.75	16+12.10	16+52.47	L8							168			46			46				46			
L8	P.75	16+52.47			2			1	1				104			1			1					
L8	P.75	16+52.47	37+12.58	PB5			2				117			29			29	1			29			
PB5	P.75	37+12.58	38+36.48	L7							429			133			133				133			
L7	P.75	38+36.48			2			1	1				104			1			1					
PB5	P.75	37+12.58	37+10.57	L6							318					96								
L6	P.75	37+10.57			2			1	1				104			1			1					
TOTALS CARRIED TO GENERAL SUMMARY					18		12	9	9		4887	936	1216	30	246	9	1246	6	9	1	1246	1		

LIGHTING SUBSUMMARY

DESIGN AGENCY



DESIGNER
AJS

REVIEWER
LAS MM-DD-YY

PROJECT ID
120111

SHEET TOTAL
P.75 P.92

ITEM 614, MAINTAINING TRAFFIC

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR A PERIOD NOT TO EXCEED 120 CONSECUTIVE CALENDAR DAYS, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON P. 13 OF THE PART 1 PLANS (VAN-224-10.88). ALL WORK ON PART 1 AND PART 2, THAT MUST BE COMPLETED WHILE THE ROAD IS CLOSED, SHALL BE COMPLETED DURING THE SAME 120-DAY DURATION. U.S. 224 CANNOT BE CLOSED WHILE TURNING MOVEMENTS ARE RESTRICTED TO AND FROM THE SOUTH LEG OF JOHN BROWN ROAD AS PART OF THE WORK ON PART 3. A DISINCENTIVE SHALL BE ASSESSED AS SPECIFIED IN PART 1 FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT.

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN STANDARD 48 X 30 INCH ROAD CLOSED SIGNS, SIGN SUPPORTS, BARRICADES AND LIGHTS, AS DETAILED IN SCD MT-101.60 AT THE LOCATIONS SHOWN ON P. 13 OF THE PART 1 PLANS (VAN-224-10.88) DURING PERIODS IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC.

IF THE BRIDGE PAINTING WORK IS COMPLETED OUTSIDE OF THE PERMITTED 120-DAY ROAD CLOSURE, TWO-WAY US-224 TRAFFIC MUST BE MAINTAINED WHILE PERFORMING THE WORK. SIGNALIZED CLOSING 1 LANE OF A TWO-LANE HIGHWAY, PER MT-96.11, MT-96.20, AND MT-96.26 IS PERMITTED TO MAINTAIN TRAFFIC FOR A MAXIMUM OF 21 CONSECUTIVE DAYS. THE USE OF PORTABLE TRAFFIC SIGNALS PER MT-96.11 WILL BE PERMITTED IF THEY CONFORM TO SUPPLEMENTAL SPECIFICATION 961, SUPPLEMENT 1050 AND ARE ON ODOT'S APPROVED LIST. ALL NECESSARY PAVEMENT MARKINGS SHALL BE REMOVABLE (CMS 740.06, TYPE 1) TAPE. EXISTING CONFLICTING PAVEMENT MARKINGS SHALL BE COVERED PER CMS 614.11.G.1.B. ALL COSTS FOR MAINTAINING TRAFFIC PER MT-96.11, INCLUDING SIGNAL EQUIPMENT, SIGNING, PAVEMENT MARKINGS, PORTABLE BARRIER, BARRIER DELINEATION, AND IMPACT ATTENUATORS, SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

ITEM 614, MAINTAINING TRAFFIC (NOTICE OF CLOSURE SIGN)

NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW.

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.

NOTICE OF CLOSURE SIGN TIME TABLE		
ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
RAMP & ROAD CLOSURES	>= 2 WKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HRS & < 2 WKS	7 CALENDAR DAYS PRIOR TO CLOSURE
	< 12 HRS	2 BUSINESS DAYS PRIOR TO CLOSURE

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION.

**U.S. 224 WILL BE
CLOSED MMM-DD
FOR 120 DAYS
INFO: 419-999-6803**

W20-H13-60

NOTE: THE CONTRACTOR IS TO SUPPLY THE DATE

THE CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN STANDARD 48 X 30 INCH ROAD CLOSED SIGNS, SIGN SUPPORTS, BARRICADES AND LIGHTS, AS DETAILED IN SCD MT-101.60 AT THE LOCATIONS AND PERIODS AFFECTED AS NOTED IN PART 1 PLANS (VAN-224-10.88) MAINTENANCE OF TRAFFIC NOTES (SHEETS 12-14).

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION TIME TABLE		
ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
RAMP & ROAD CLOSURES	>= 2 WKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HRS & < 2 WKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 12 HRS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES AND RESTRICTIONS	>= 2 WKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

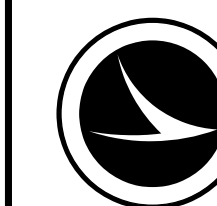
ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER = 3 M. GAL.

DESIGN AGENCY



DESIGNER

RDM

REVIEWER

KCO 08-21-25

PROJECT ID

120111

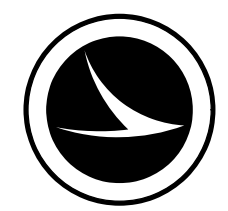
SHEET TOTAL

P.7 37

SHEET NUM.					PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
5	7	10	11	17	02/BRO		EXT	TOTAL			
ROADWAY											
					LS	201	11000	LS		CLEARING AND GRUBBING	
		644			644	202	32000	644	FT	CURB REMOVED	
			1,080		1,080	202	23000	1,080	SY	PAVEMENT REMOVED	
			419		419	202	23500	419	SY	WEARING COURSE REMOVED	
		428			428	202	35100	428	FT	PIPE REMOVED, 24" AND UNDER	
		625			625	202	38200	625	FT	GUARDRAIL REMOVED FOR REUSE	
		4			4	202	47000	4	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED	
		7			7	202	58100	7	EACH	CATCH BASIN REMOVED	
			219		219	203	10000	219	CY	EXCAVATION	
			23		23	203	20000	23	CY	EMBANKMENT	
			1,334		1,334	204	10000	1,334	SY	SUBGRADE COMPACTION	
		50			50	606	15051	50	FT	GUARDRAIL, TYPE MGS, AS PER PLAN	6
		625			625	606	16050	625	FT	GUARDRAIL REBUILT, TYPE MGS	
		1			1	606	27850	1	EACH	ANCHOR ASSEMBLY REBUILT, TYPE E	
		4			4	606	35003	4	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1, AS PER PLAN	6
64					64	607	16001	64	FT	FENCE REBUILT, TYPE 47, AS PER PLAN	5
					LS	623	50000	LS		PRECONSTRUCTION SURVEY MONUMENT VERIFICATION AND REPORT	
					LS	623	51000	LS		POST CONSTRUCTION SURVEY MONUMENT VERIFICATION AND REPORT	
EROSION CONTROL											
			12		12	601	32200	12	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
			138		138	601	32300	138	CY	ROCK CHANNEL PROTECTION, TYPE D WITH FILTER	
			67		67	659	00300	67	CY	TOPSOIL	
			610		610	659	10000	610	SY	SEEDING AND MULCHING	
31					31	659	14000	31	SY	REPAIR SEEDING AND MULCHING	
0.08					0.08	659	20000	0.08	TON	COMMERCIAL FERTILIZER	
4					4	659	35000	4	MGAL	WATER	
			610		610	670	00500	610	SY	SLOPE EROSION PROTECTION	
					20,000	832	30000	20,000	EACH	EROSION CONTROL	
DRAINAGE											
		2.31			2.31	602	20000	2.31	CY	CONCRETE MASONRY	
40		155			195	605	05210	195	FT	4" UNCLASSIFIED PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	
		164			164	605	06020	164	FT	4" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	
40					40	605	31100	40	FT	AGGREGATE DRAINS	
40		135			175	611	00406	175	FT	4" CONDUIT, TYPE F	
		88			88	611	04401	88	FT	12" CONDUIT, TYPE B, AS PER PLAN	6
		610			610	611	05200	610	FT	12" CONDUIT, TYPE F 707.05, TYPE C, 707.21 OR 707.33	
		11			11	611	98180	11	EACH	CATCH BASIN, NO. 3A	
PAVEMENT											
			134		134	254	01000	134	SY	PAVEMENT PLANING, ASPHALT CONCRETE (1 1/2")	
			161		161	301	56000	161	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
			252		252	304	20000	252	CY	AGGREGATE BASE	
			118		118	407	20000	118	GAL	NON-TRACKING TACK COAT	
			81		81	441	70000	81	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (449), PG64-22	
		106			106	609	24000	106	FT	CURB, TYPE 4-A	
		538			538	609	24510	538	FT	CURB, TYPE 4-C	
TRAFFIC CONTROL											
			1		1	620	00500	1	EACH	DELINEATOR, POST GROUND MOUNTED (TYPE C)	
			5		5	621	00100	5	EACH	RPM (2-WAY Y/Y)	
			4		4	621	54000	4	EACH	RAISED PAVEMENT MARKER REMOVED	
			8		8	626	00102	8	EACH	BARRIER REFLECTOR, TYPE 1 (TWO-WAY)	
			19		19	626	00110	19	EACH	BARRIER REFLECTOR, TYPE 2 (TWO-WAY)	
			1		1	630	85100	1	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	
		0.23			0.23	642	00104	0.23	MILE	EDGE LINE, 6", TYPE 1 (WHITE)	
		0.08			0.08	642	00300	0.08	MILE	CENTER LINE, TYPE 1 (DOUBLE SOLID YELLOW)	

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER
RDM

REVIEWER
KCO 08-21-25

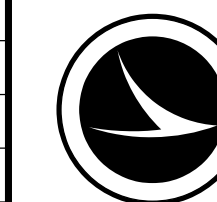
PROJECT ID
120111

SHEET TOTAL
P.8 | 37

SHEET NUM.					PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
5	7	10	11	17	02/BRO	EXT	TOTAL				
										STRUCTURE OVER 20 FOOT SPAN (VAN-224-11.44)	
				LS	LS	202	11201	LS		PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	16
				133	133	202	22900	133	SY	APPROACH SLAB REMOVED	
				133	133	202	23500	133	SY	WEARING COURSE REMOVED	
				LS	LS	503	21300	LS		UNCLASSIFIED EXCAVATION	
				LS	LS	505	11100	LS		PILE DRIVING EQUIPMENT MOBILIZATION	
				1,150	1,150	507	00200	1,150	FT	STEEL PILES HP12X53, FURNISHED	
				1,050	1,050	507	00250	1,050	FT	STEEL PILES HP12X53, DRIVEN	16
				20	20	507	93300	20	EACH	STEEL POINTS OR SHOES	
				87,401	87,401	509	10000	87,401	LB	EPOXY COATED STEEL REINFORCEMENT	
				5,214	5,214	509	30020	5,214	FT	NO. 4 DEFORMED GFRP REINFORCEMENT	
				274	274	511	34446	274	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK	
				51	51	511	34450	51	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	
				103	103	511	43510	103	CY	CLASS QC1 CONCRETE, ABUTMENT INCLUDING FOOTING	
				420	420	512	10100	420	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
				3,636	3,636	513	20000	3,636	EACH	WELDED STUD SHEAR CONNECTORS	
				11,587	11,587	514	00050	11,587	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL	
				11,241	11,241	514	00056	11,241	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT	
				11,241	11,241	514	00060	11,241	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT	
				11,241	11,241	514	00066	11,241	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT	
				10	10	514	00504	10	MNHR	GRINDING FINES, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL	
				11	11	514	10000	11	EACH	FINAL INSPECTION REPAIR	
				346	346	514	27700	346	SF	FIELD PAINTING, MISC.: COATING OF BEAM ENDS	16
				86	86	516	13200	86	SF	1/2" PREFORMED EXPANSION JOINT FILLER	
				94	94	516	13600	94	SF	1" PREFORMED EXPANSION JOINT FILLER	
				61	61	516	13900	61	SF	2" PREFORMED EXPANSION JOINT FILLER	
				120	120	516	14014	120	FT	INTEGRAL ABUTMENT EXPANSION JOINT SEAL	
				96	96	516	31010	96	FT	2" DEEP JOINT SEALER	
				12	12	516	44201	12	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN, (3.878"x12"x14" PAD AND 2-1.5" x 13" x 15" STEEL PLATES AND HP12x53 SECTION)	25
				6	6	516	44101	6	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN, (2.668"x14"x18" PAD, 1.5"x15"x19"(BOT.), 1.5"x13"x15"(TOP) STEEL PLATES AND HP12x53 SECTION)	25
				6	6	516	44101	6	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN, (2.668"x14"x18" PAD AND 1.5"x15"x19" STEEL PLATE)	25
				LS	LS	516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	15
				92	92	518	21200	92	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	
				136	136	518	40000	136	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	
				60	60	518	40010	60	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	
				244	244	526	25011	244	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15"), AS PER PLAN	16
				96	96	526	90031	96	FT	TYPE C INSTALLATION, AS PER PLAN	16
										MAINTENANCE OF TRAFFIC	
	3				3	616	10000	3	MGAL	WATER	
										INCIDENTALS	
					LS	614	11000	LS		MAINTAINING TRAFFIC	
					LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
					LS	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER
RDM

REVIEWER
KCO 08-21-25

PROJECT ID
120111

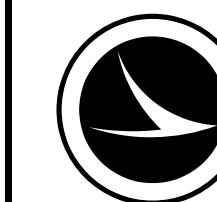
SHEET TOTAL
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									PAVEMENT QUANTITIES										
STATION RANGE			TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	202	202	204	254	301	304	304	304	407	407	441	441
								PAVEMENT REMOVED (T= +/-9")	WEARING COURSE REMOVED (T= +/-3")	SUBGRADE COMPACTION	PAVEMENT PLANING, ASPHALT CONCRETE (1 1/2")	ASPHALT CONCRETE BASE, PG64-22, (449) (T=6")	AGGREGATE BASE (T=6") (AVE. WIDTH + 1'-6")	AGGREGATE BASE (T=6") (AVE. WIDTH + 3'-0")	AGGREGATE BASE (T=8") (AVE. WIDTH = 3'-0")	NON-TRACKING TACK COAT 2 APPLICATIONS (RATE= 0.055 GAL/SY)	NON-TRACKING TACK COAT (RATE= 0.085 GAL/SY)	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22 (T=1.5")	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22 (T=1.5")
					FT	FT	SY	SY	SY	SY	CY	CY	CY	CY	GAL	GAL	CY	CY	
595+82.00	TO	596+02.00	4	LT	20.00	8.00	17.78	17.78		21.11		2.96	3.52		1.48	1.96		0.74	0.74
595+83.00	TO	596+03.00	4	RT	20.00	8.00	17.78	17.78		21.11		2.96	3.52		1.48	1.96		0.74	0.74
601+63.00	TO	601+83.00	4	RT	20.00	8.00	17.78	17.78		21.11		2.96	3.52		1.48	1.96		0.74	0.74
601+69.00	TO	601+89.00	4	LT	20.00	8.00	17.78	17.78		21.11		2.96	3.52		1.48	1.96		0.74	0.74
607+50.00	TO	607+75.00	1	LT/RT	25.00	20.00	55.56	55.56		63.89	66.67	9.26		10.65	1.85	6.11	5.67	2.31	2.31
607+75.00	TO	608+51.58	2	LT/RT	76.58	44.00	374.39	374.39	214.88	399.92		62.40		66.65	5.67	41.18		15.60	15.60
608+51.58	TO	608+79.05	3	LT/RT	27.47	43.00	131.25	57.99		140.40				23.40	2.03				
BRIDGE LIMITS																			
610+50.25	TO	610+77.72	3	LT/RT	27.47	43.00	131.25	57.99		140.40				23.40	2.03				
610+77.72	TO	611+50.00	2	LT/RT	72.28	44.00	353.37	353.37	203.41	377.46		58.89		62.91	5.35	38.87		14.72	14.72
611+50.00	TO	611+75.00	1	LT/RT	25.00	20.00	55.56	55.56		63.89	66.67	9.26		10.65	1.85	6.11	5.67	2.31	2.31
615+15.00	TO	615+35.00	4	LT	20.00	8.00	17.78	17.78		21.11		2.96	3.52		1.48	1.96		0.74	0.74
615+16.00	TO	615+36.00	4	RT	20.00	8.00	17.78	17.78		21.11		2.96	3.52		1.48	1.96		0.74	0.74
619+40.00	TO	619+60.00	4	RT	20.00	8.00	17.78	17.78		21.11		2.96	3.52		1.48	1.96		0.74	0.74
SUBTOTALS								1079.30	418.29	1333.74	133.33	160.55	24.63	197.66	29.17	105.96	11.33	40.14	40.14
TOTALS CARRIED TO GENERAL SUMMARY								1080	419	1334	134	161		252		118		81	

REFERENCE NO.	SHEET	STATION	SIDE	EROSION CONTROL - EC			
				601	601	659	670
				ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	ROCK CHANNEL PROTECTION, TYPE D WITH FILTER	TOPSOIL	SLOPE EROSION PROTECTION
				CY	CY	CY	SY
EC-1	2	595+96.50	LT	1.3		5.4	49
EC-2	2	595+92.25	RT	1.3		5.9	53
EC-3	2	601+78.21	LT	1.3		7.4	67
EC-4	2	601+72.00	RT	1.3		7.8	70
ER-5	12	607+85.00	LT	1.3		6.7	61
	12	REAR ABUTMENT	LT/RT		70.8		
	12	FORWARD ABUTMENT	LT/RT		66.7		
ER-7	12	611+40.00	LRT	1.3		8.9	80
EC-9	2	608+40.83	LT	1.3		8.0	72
EC-10	2	610+62.42	RT	1.3		8.9	80
EC-11	2	610+40.09	RT	1.3		7.6	68
TOTALS CARRIED TO GENERAL SUMMARY				12	138	67	600

TYPICAL SECTION NO.	SIDE	STATION TO STATION		EARTHWORK			
				203	203	659	
				EMBANKMENT	EXCAVATION	SEEDING AND MULCHING	
				CY	CY	SY	
4	LT	595+82.00	TO	596+02.00	1.1	4.3	22
4	RT	595+83.00	TO	596+03.00	1.1	4.3	28
4	RT	601+63.00	TO	601+83.00	1.1	4.3	37
4	LT	601+69.00	TO	601+89.00	1.1	4.3	42
1	LT	607+50.00	TO	607+75.00	0.5	6.1	10
1	RT	607+50.00	TO	607+75.00	0.3	6.1	6
2	LT	607+75.00	TO	608+62.34	3.2	32.8	104
2	RT	607+75.00	TO	608+40.83	1.5	24.7	34
3	LT	608+62.34	TO	608+89.22	12.0	13.2	22
3	RT	608+40.83	TO	608+66.89	12.0	12.8	14
BRIDGE							
3	LT	610+62.42	TO	610+88.48	12.0	12.8	20
3	RT	610+40.09	TO	610+66.97	12.0	13.2	6
2	LT	610+88.48	TO	611+50.00	2.3	23.1	94
2	RT	610+66.97	TO	611+50.00	1.9	31.2	16
1	LT	611+50.00	TO	611+75.00	0.9	6.1	10
1	RT	611+50.00	TO	611+75.00	0.6	6.1	7
4	LT	615+15.00	TO	615+35.00	1.1	4.3	53
4	RT	615+16.00	TO	614+36.00	1.1	4.3	50
4	RT	619+40.00	TO	619+60.00	1.1	4.3	35
TOTALS CARRIED TO GENERAL SUMMARY					68	219	610

610 SY OF SEEDING AND MULCHING AREA	
ITEM 659 - REPAIR SEEDING AND MULCHING	(610 SY) x (0.05) = 31.0 SY
ITEM 659 - COMMERCIAL FERTILIZER	(610) x (9) x (1/1000) x (30) x (1/2000) = 0.08 TONS
ITEM 659 - WATER	(2) x (610) x (9) x (1/1000) x (300) x (1/1000) = 4 MGAL
TOTALS CARRIED TO GENERAL SUMMARY	



CONSTRUCTION CLEARANCE

CONSTRUCTION CLEARANCE: MAINTAIN A CONSTRUCTION CLEARANCE OF ANY FORM OF WORK, FALSE WORK OR OTHER TEMPORARY OBSTRUCTION OF 13 FEET HORIZONTALLY FROM THE CENTER OF TRACKS AND 22 FEET VERTICALLY FROM A POINT LEVEL WITH THE TOP OF THE HIGHER RAIL AT ALL TIMES.

DEMOLITION DEBRIS

THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PREVENT DEMOLITION DEBRIS FROM ENTERING THE RAILROAD RIGHT OF WAY. ANY MATERIAL THAT DOES ENTER THE RIGHT OF WAY SHALL BE IMMEDIATELY AND SAFELY REMOVED.

DECK PLACEMENT DESIGN ASSUMPTIONS

THE FOLLOWING ASSUMPTIONS OF CONSTRUCTION MEANS AND METHODS WERE MADE FOR THE ANALYSIS AND DESIGN OF THE SUPERSTRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF THE FALSEWORK SUPPORT SYSTEM WITHIN THESE PARAMETERS AND WILL ASSUME RESPONSIBILITY FOR SUPERSTRUCTURE ANALYSIS FOR DEVIATION FROM THESE DESIGN ASSUMPTIONS.

AN EIGHT WHEEL FINISHING MACHINE WITH A MAXIMUM WHEEL LOAD OF 2.2 KIPS.

A MINIMUM OUT-TO-OUT WHEEL SPACING AT EACH END OF THE MACHINE OF 103 INCHES.

A MAXIMUM SPACING OF OVERHANG FALSEWORK BRACKETS OF 48 INCHES.

A MAXIMUM DISTANCE FROM THE CENTERLINE OF THE FASCIA GIRDER TO THE FACE OF THE SAFETY HANDRAIL OF 65 INCHES.

ITEM 514 – FIELD PAINTING, MISC.: COATING OF BEAM ENDS

PRIOR TO ENCASING THE BEAM ENDS, PREPARE THE ENDS PER SSPC SP10 OR SSPC SP11 TO BARE METAL ACHIEVING A 1.5 TO 3.5 MIL PROFILE. PAINT THE BEAM ENDS WITH ORGANIC ZINC PRIME COAT PER C&MS 514. PROVIDE THE PRIME COAT THICKNESS AS PER C&MS 514.20. EXTEND THE LIMITS OF THE BEAM PREPARATION AND PAINTING 1-FT BEYOND THE LIMITS OF THE END DIAPHRAGM CONCRETE.

AFTER THE DIAPHRAGM CONCRETE IS SET, SEAL THE INTERFACE BETWEEN THE BEAM AND CONCRETE WITH CAULK.

THE DEPARTMENT WILL PAY FOR ALL ABOVE LABOR AND MATERIAL AT THE CONTRACT BID PRICE FOR ITEM 514 – FIELD PAINTING, MISC.: COATING OF BEAM ENDS.

ITEM 526 - REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15"), AS PER PLAN

THE APPROACH SLABS SHALL CONFORM TO STANDARD BRIDGE DRAWING AS-1-15 WITH THE FOLLOWING EXCEPTION:

FOR JOINT DETAIL B ON SHEET 2/2, FILL THE 1/2" x 2 1/4" GROOVE WITH HOT-APPLIED JOINT SEALER (CMS 705.04) INSTEAD OF THE PREFORMED ELASTOMERIC COMPRESSION JOINT SEAL.

ALL COSTS ASSOCIATED WITH THE EQUIPMENT, LABOR, MATERIALS, AND INCIDENTALS NECESSARY FOR COMPLETING THIS WORK SHALL BE INCLUDED IN THE PRICE BID PER SQUARE YARD FOR ITEM 526 - REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15"), AS PER PLAN.

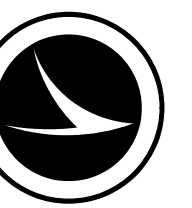
ITEM 526 - TYPE C INSTALLATION, AS PER PLAN

THE CONTRACTOR SHALL USE WATSON BOWMAN ACME JEENE 65W SEAL (OR APPROVED EQUAL) INSTEAD OF THE STANDARD SPECIFIED ARMORLESS JOINT SEAL IN THE GROOVE BETWEEN THE APPROACH SLAB AND ROADWAY. MATERIAL AND INSTALLATION OF SEAL TO BE INCLUDED WITH THE PRICE OF ITEM 526 - TYPE C INSTALLATION, AS PER PLAN

GENERAL NOTES
 BRIDGE NO. VAN-224-11.440
 OVER CHICAGO, FT. WAYNE & EASTERN RAILROAD

SFN
 8102554

DESIGN AGENCY



DESIGNER	CHECKER
RDM	RTH

REVIEWER
 MAL 09-15-25

PROJECT ID
 120111

SUBSET	TOTAL
3	15


SHEET	TOTAL
P.16	37

ESTIMATED QUANTITIES

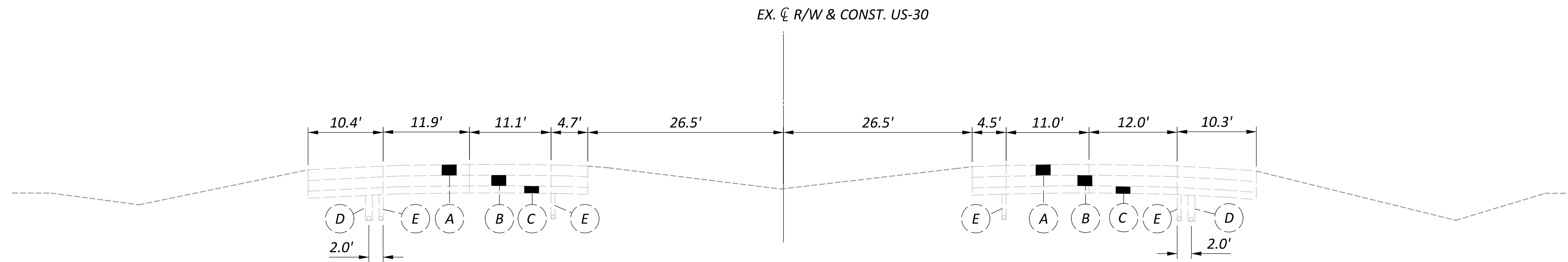
ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	ABUT.	PIERS	SUPER.	GEN.	SEE SHEET
202	11201	LS		PORTIONS OF STRUCTURE REMOVED, AS PER PLAN					03 of 15
202	22900	133	SY	APPROACH SLAB REMOVED				133	
202	23500	133	SY	WEARING COURSE REMOVED				133	
503	21300	LS		UNCLASSIFIED EXCAVATION					
505	11100	LS		PILE DRIVING EQUIPMENT MOBILIZATION					
507	00200	1150	FT	STEEL PILES HP12X53, FURNISHED	1150				
507	00250	1050	FT	STEEL PILES HP12X53, DRIVEN	1050				
507	93300	20	EACH	STEEL POINTS OR SHOES	20				
509	10000	87401	LB	EPOXY COATED STEEL REINFORCEMENT	18978		68423		
509	30020	5214	FT	NO. 4 DEFORMED GFRP REINFORCEMENT			5214		
511	34446	274	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK	46		228		
511	34450	51	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)			51		
511	43510	103	CY	CLASS QC1 CONCRETE, ABUTMENT INCLUDING FOOTING	103				
512	10100	420	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	60		360		
513	20000	3636	EACH	WELDED STUD SHEAR CONNECTORS			3636		
514	00050	11587	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL			11587		
514	00056	11241	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT			11241		
514	00060	11241	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT			11241		
514	00066	11241	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT			11241		
514	00504	10	MNHR	GRINDING FINIS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL			10		
514	10000	11	EACH	FINAL INSPECTION REPAIR			11		
514	27700	346	SF	FIELD PAINTING, MISC.:COATING OF END BEAMS			346		03 of 15
516	13200	86	SF	1/2" PREFORMED EXPANSION JOINT FILLER	86				
516	13600	94	SF	1" PREFORMED EXPANSION JOINT FILLER	94				
516	13900	61	SF	2" PREFORMED EXPANSION JOINT FILLER	57			4	
516	14014	120	FT	INTEGRAL ABUTMENT EXPANSION JOINT SEAL	120				
516	31010	96	FT	2" DEEP JOINT SEALER				96	
516	44201	12	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (3.878" x 12" x 14" PAD AND 2-1.5" x 13" x 15" STEEL PLATES AND HP12x53 SECTION)	12				11 of 15
516	44101	6	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (2.668" x 14" x 18" PAD,1.5" x 15" x 19"(BOT.),1.5" x 13" x 15"(TOP) STEEL PLATES AND HP12x53 SECTION)		6			11 of 15
516	44101	6	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (2.668" x 14" x 18" PAD AND 1.5" x 15" x 19" STEEL PLATE)		6			11 of 15
516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN					02 of 15
518	21200	92	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	92				
518	40000	136	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	136				
518	40010	60	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	60				
526	25011	244	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15"), AS PER PLAN				244	03 of 15
526	90031	96	FT	TYPE C INSTALLATION, AS PER PLAN				96	03 of 15

ESTIMATED QUANTITIES
 BRIDGE NO. VAN-224-11.440
 OVER CHICAGO, FT. WAYNE & EASTERN RAILROAD

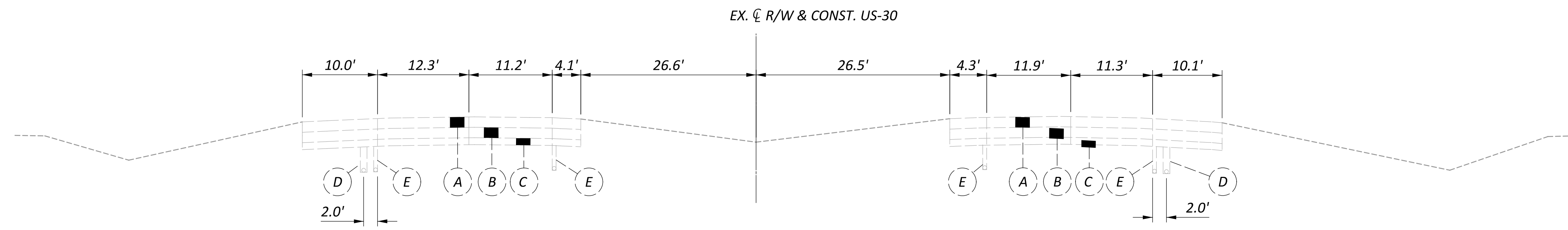
SFN
 8102554
 DESIGN AGENCY



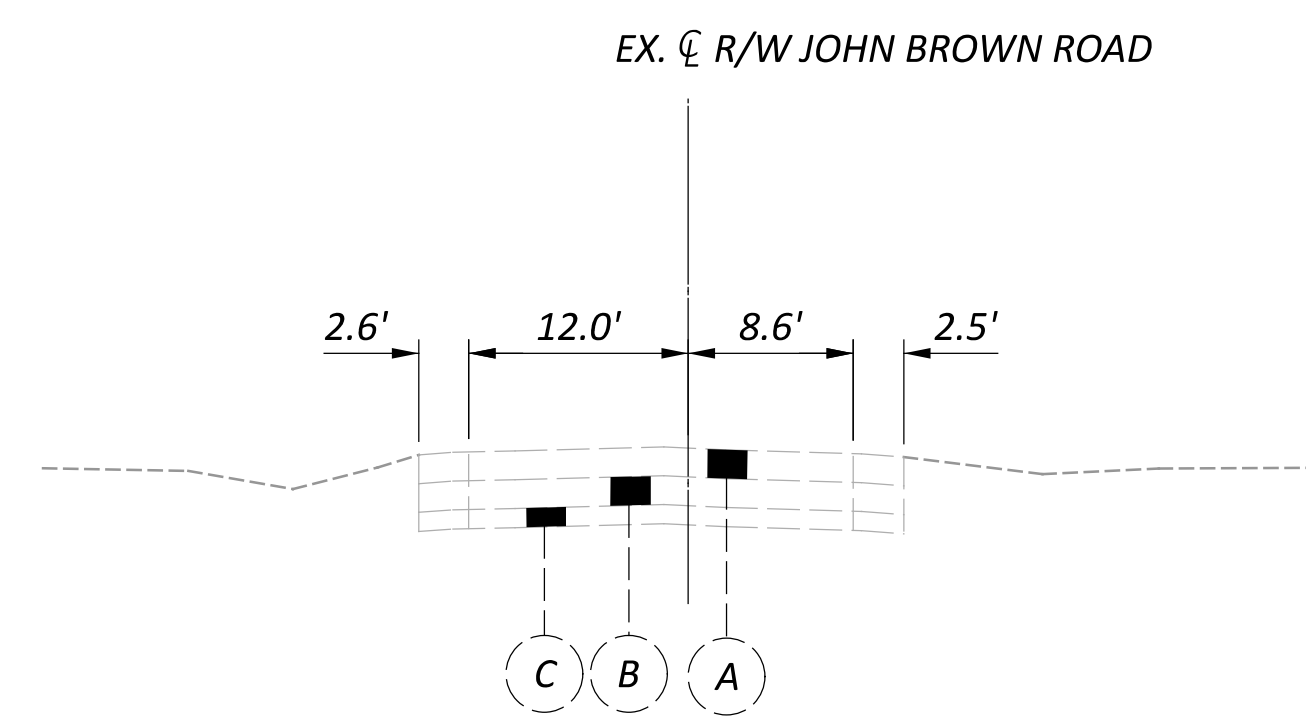
DESIGNER: RDM
 CHECKER: RTH
 REVIEWER: MAL
 PROJECT ID: 120111
 SUBSET: 4 TOTAL: 15
 SHEET: P.17 TOTAL: 37



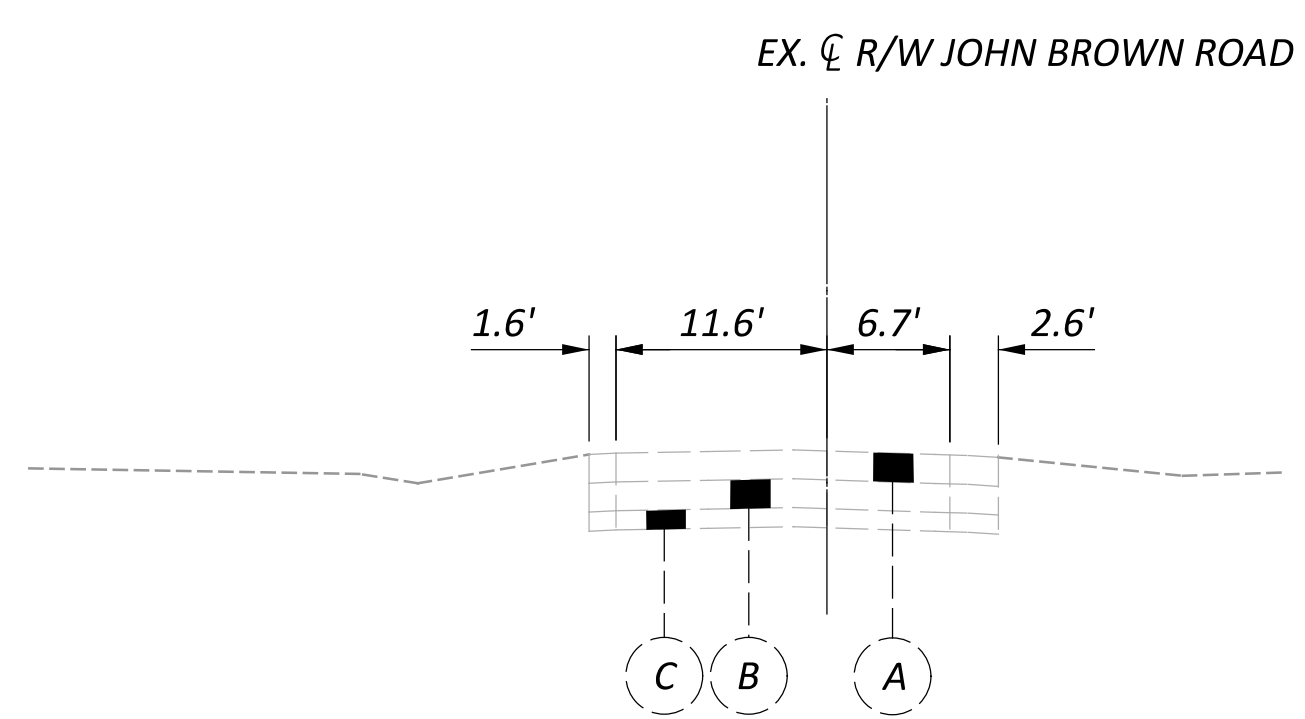
EXISTING SECTION - US-30
STA. 603+45.00



EXISTING SECTION - US-30
STA. 619+80.00



EXISTING SECTION - JOHN BROWN ROAD
STA. 48+00.00




EXISTING SECTION - JOHN BROWN ROAD
STA. 52+00.00

EXISTING LEGEND

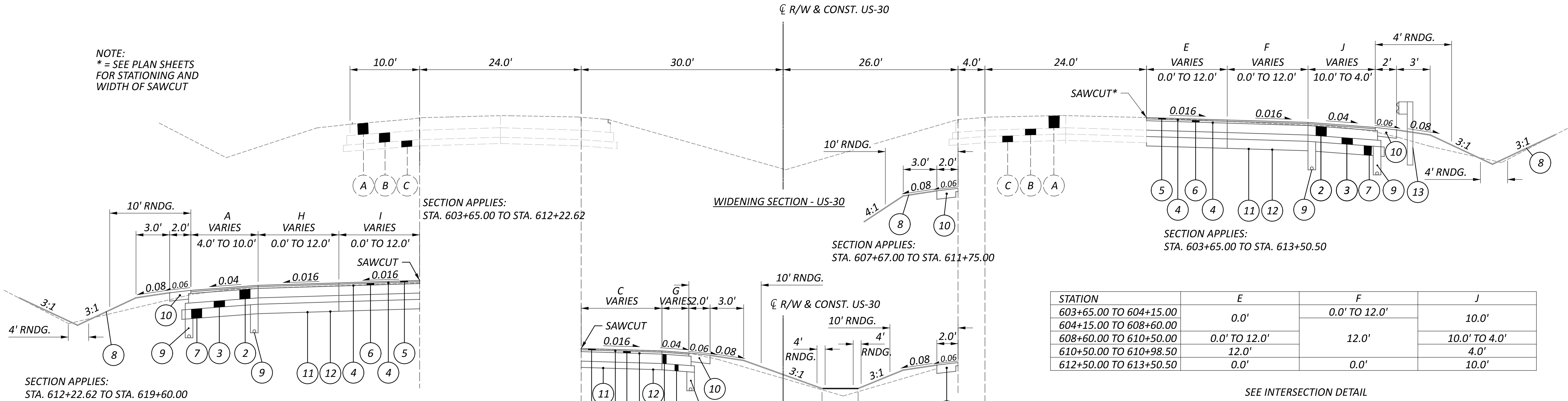
- (A) 11"± ASPHALT CONCRETE
- (B) 9" REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT
- (C) SUBBASE
- (D) 6" PIPE UNDERDRAINS
- (E) SHALLOW UNDERDRAINS

LEGEND

- (2) ITEM 301 8" ASPHALT CONCRETE BASE, PG64-22, (449)
- (3) ITEM 304 - 6" AGGREGATE BASE
- (4) ITEM 407 - NON-TRACKING TACK COAT
- (5) ITEM 442 - 1.5" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE B (449)
- (6) ITEM 442 - 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE B (449)
- (7) ITEM 204 - EXCAVATION OF SUBGRADE, 12"
ITEM 204 - GEOTEXTILE FABRIC
ITEM 204 - GRANULAR MATERIAL TYPE C
- (8) ITEM 659 - SEEDING AND MULCHING
- (9) ITEM 605 - 6" BASE PIPE UNDERDRAINS, WITH GEOTEXTILE FABRIC
- (10) ITEM 304 - 8" AGGREGATE BASE
- (11) ITEM 204 - SUBGRADE COMPACTION
- (12) ITEM 204 - PROOF ROLLING
- (13) ITEM 606 - GUARDRAIL, TYPE MGS, AS PER PLAN

DESIGN AGENCY	
	
4215 North Ave Suite K-201 Columbus, OH 43219	
DESIGNER	SLF
REVIEWER	BBD 12/18/25
PROJECT ID	120111
SHEET	TOTAL
P.3	67

NOTE:
* = SEE PLAN SHEETS
FOR STATIONING AND
WIDTH OF SAWCUT



SECTION APPLIES:
STA. 612+22.62 TO STA. 619+60.00

STATION	A	H	I
612+22.62 TO 612+75.00	4.0'	12.0'	12.0'
612+75.00 TO 614+65.00	4.0' TO 10.0'		12.0' TO 0.0'
614+65.00 TO 619+10.00	10.0'	12.0' TO 0.0'	0.0'
619+10.00 TO 619+60.00			

EXISTING LEGEND

- (A) 11"± ASPHALT CONCRETE
- (B) 9" REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT
- (C) SUBBASE
- (D) 6" PIPE UNDERDRAINS
- (E) SHALLOW UNDERDRAINS

LEGEND

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- (11) ITEM 204 - SUBGRADE COMPACTION
- (12) ITEM 204 - PROOF ROLLING
- (13) ITEM 606 - GUARDRAIL, TYPE MGS, AS PER PLAN

SECTION APPLIES:
STA. 603+65.00 TO STA. 612+22.62

WIDENING SECTION - US-30

SECTION APPLIES:
STA. 607+67.00 TO STA. 611+75.00

SECTION APPLIES:
STA. 603+65.00 TO STA. 613+50.50

STATION	E	F	J
603+65.00 TO 604+15.00	0.0'	0.0' TO 12.0'	10.0'
604+15.00 TO 608+60.00	0.0' TO 12.0'		10.0' TO 4.0'
608+60.00 TO 610+50.00	12.0'	0.0'	4.0'
612+50.00 TO 613+50.50	0.0'		10.0'

SEE INTERSECTION DETAIL
STA. 610+62.35 TO STA. 612+54.58
SHEET \$GI001\$

SECTION APPLIES:
STA. 606+00.00 TO STA. 612+50.00

STATION	C	G
606+00.00 TO 612+00.00	12.0'	6.0'
612+00.00 TO 612+50.00	12.0' TO 0.0'	6.0' TO 4.0'

SECTION APPLIES:
STA. 606+00.00 TO STA. 607+67.00

SECTION APPLIES:
STA. 605+07.50 TO STA. 606+00.00
STA. 618+25.00 TO STA. 619+17.50

*SEE INTERSECTION DETAIL ON SHEET \$GI101\$

SECTION APPLIES:
STA. 612+50.00 TO STA. 615+40.00

SECTION APPLIES:
STA. 611+75.00 TO STA. 618+25.00

STATION	D	K
611+75.00 TO 612+25.00	0.0' TO 12.0'	4.0' TO 6.0'
612+25.00 TO 618+25.00	12.0'	6.0'

DESIGN AGENCY



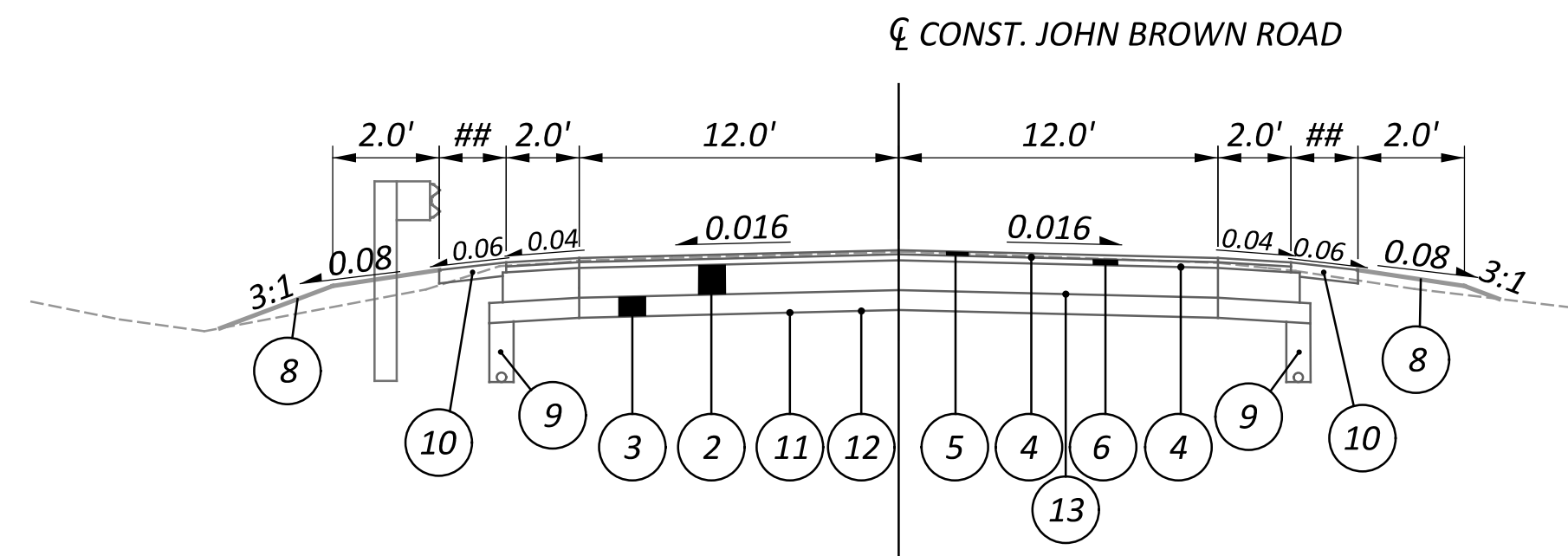
4215 North Ave Suite K-230
Columbus, OH 43219

DESIGNER
SLF

REVIEWER
BBD 12/18/25

PROJECT ID
120111

SHEET TOTAL
P.4 67



NORMAL SECTION - JOHN BROWN ROAD
 SECTION APPLIES:
 STA. 101+00.00 TO STA. 102+22.82
 STA. 103+78.44 TO STA. 105+00.00
 ## VARIES FROM 2.0' TO 0.0'

EXISTING LEGEND

- (A) 11"± ASPHALT CONCRETE
- (B) 9" REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT
- (C) SUBBASE
- (D) 6" PIPE UNDERDRAINS
- (E) SHALLOW UNDERDRAINS

LEGEND

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- (11) ITEM 204 - SUBGRADE COMPACTION
- (12) ITEM 204 - PROOF ROLLING
- (13) ITEM 606 - GUARDRAIL, TYPE MGS, AS PER PLAN

DESIGN AGENCY



DESIGNER

SLF

REVIEWER

BBD 12/18/25

PROJECT ID


120111

SHEET TOTAL

P.5 67

REF NO.	SHEET NO.	STATION TO STATION		CADD GENERATED AREA	202	202	202	202	252	606	606	204	204	204	301	304	407	442	442	304				
					PAVEMENT REMOVED SY	CATCH BASIN REMOVED EACH	SPECIAL - FILL AND PLUG EXISTING CONDUIT (D=15"), DEPTH= 8' FT	PIPE REMOVED, 24" DIAMETER AND UNDER FT	FULL DEPTH PAVEMENT SAWING FT	GUARDRAIL, TYPE MGS. AS PER PLAN FT	ANCHOR ASSEMBLY, MGS TYPE E EACH	SUBGRADE COMPACTION SY	PROOF ROLLING HOUR	GEOTEXTILE FABRIC SY	ASPHALT CONCRETE BASE, PG64-22, (449), (T=8") CY	AGGREGATE BASE, (T=6") CY	NON-TRACKING TACK COAT GAL	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE B (449), (T=1.5") CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE B (449), (T=1.75") CY	AGGREGATE BASE, (T=8") CY				
R-1	P.24	603+65.00	TO	608+50.00	5202.26	578.03																		
S-1	P.24	603+65.00		613+50.50					1005.52															
R-2	P.24	605+07.50		605+75.65	241.12	26.79																		
S-2	P.24	605+07.50		605+75.65					76.22															
R-3	P.24	605+28.23		608+50.00	1117.54	124.17																		
S-3	P.24	605+28.23		615+43.97					1023.74															
GR-1	P.24	606+38.85		611+95.32						537.50	2.00													
R-4	P.24	607+67.23		615+43.97	7342.50	815.83																		
S-4	P.24	607+67.23		618+96.78					1137.53															
R-5	P.25	608+50.00		612+50.00	3086.52	342.95																		
R-6	P.25	608+50.00		613+50.50	9306.50	1034.06																		
R-7	P.25	610+57.38		614+50.00	7689.41	854.38																		
S-6	P.25	610+90.22		611+07.74					18.34															
R-8	P.25	611+75.00		614+50.00	1208.75	134.31																		
S-7	P.25	612+08.38		612+28.06					20.60															
R-9	P.26	614+50.00		619+60.00	5283.95	587.11																		
R-10	P.26	614+50.00		618+96.78	1635.44	181.72																		
R-11	P.26	618+49.35		619+17.50	231.59	25.73																		
S-8	P.26	618+49.35		619+17.50					76.22															
RD-1	P.25	609+00.04		608+98.90	RT		1.00	91.00																
RD-2	P.25	100+08.52		103+79.82	RT		1.00	99.00																
RD-3	P.25	102+13.62		101+84.69				96.00																
RD-4	P.26	618+00.59			RT		1.00																	
EASTBOUND US-30																								
		603+65.00	TO	613+50.50	25888.94							3068.14	1.35	2051.20	648.31	497.19	347.64	119.86	139.80	102.25				
		611+75.00		619+18.80	15663.68							2233.48	0.93		393.03	301.79	210.54	72.52	84.58	69.00				
WESTBOUND US-30																								
		605+06.20	TO	612+50.00	15661.33							2233.48	0.90		393.05	301.80	210.53	72.51	84.57	69.01				
		610+57.38		619+60.00	26414.55							2962.04	1.28	2169.82	627.53	480.51	336.49	116.01	135.35	76.84				
TOTALS CARRIED TO GENERAL SUMMARY						4706	3	91	195	3359	538	2	10498	5	4222	2062	1582	1106	381	445	318			

ROADWAY SUBSUMMARY AND PAVEMENT CALCULATIONS

DESIGN AGENCY

 4215 North Ave Suite K-201
 Columbus, OH 43219

DESIGNER
 SKG

REVIEWER
 BBD 12/18/25

PROJECT ID
 120111

SHEET TOTAL
 P.20 67