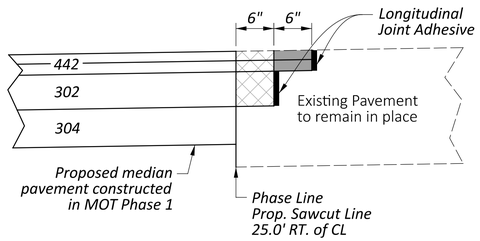
ITEM 874 LONGITUDINAL JOINT PREPARATION, AS PER PLAN (PASS 1)
ITEM 874 LONGITUDINAL JOINT PREPARATION, AS PER PLAN (PASS 2)

This work shall consist of creating lapped pavement layers at the phase construction joint as per the "LONGITUDINAL JOINT PREPARATION Method 1" detail on SCD BP-3.1, except as modified below:

ITEM 874 LONGITUDINAL JOINT PREPARATION, AS PER PLAN (PASS 1)

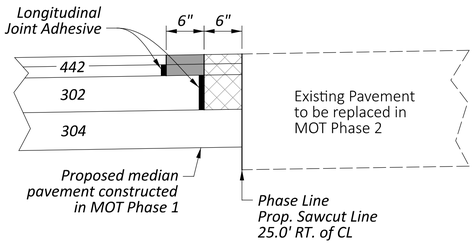
ITEM 874 LONGITUDINAL JOINT PREPARATION, AS PER PLAN (PASS 2)



PHASE 1 LAPPING DETAILS (E.B. / W.B. RESURFACING SECTIONS)
DETAIL APPLIES:
STA. 639+65.00 - 653+75.00 = 1410.00 FT.
STA. 803+36.00 - 831+70.00 = 2834.00 FT.

Phase 1 Sequence:
1. Sawcut and remove existing inside shoulder pavement.
2. Construct median subgrade to 304 layer.
3. Trim 6" into existing pavement (874 Pass 1 - max. depth of 8.75").
4. Construct 302 layer.
5. Trim 6" into existing pavement. (874 Pass 2 - max depth of 3.25").
6. Place 442 layers.

(Note: Detail shown at E.B. sawcut line, but also applies to W.B. sawcut.)



PHASE 2/3 LAPPING DETAILS (E.B. / W.B. REPLACEMENT SECTION)
DETAIL APPLIES:
E.B.: STA. 653+75.00 - 747+61.78 = 9386.78 FT.
STA. 750+51.79 - 803+36.00 = 5284.21 FT.
TOTAL = 14,670.99
W.B.: STA. 653+75.00 - 747+96.78 = 9421.78 FT.
STA. 750+81.79 - 803+36.00 = 5254.21 FT.
TOTAL = 14,675.99 FT.

Phase 2 Sequence:
1. Remove existing E.B. pavement.
2. Construct E.B. subgrade to 304 layer.
3. Trim 6" into Phase 1 pavement (874 Pass 1 - 8.75" depth).
4. Construct E.B. 302 layer.
5. Trim 6" into Phase 1 pavement. (874 Pass 2 - 3.25" depth).
6. Place 442 layers.

(Note: Detail shown at E.B. sawcut line in MOT Phase 2, but also applies to W.B. sawcut in MOT Phase 3.)

ITEM 206 CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP

The following quantities have been provided to be used as per Item 206 at the direction of the Project Engineer. The entire project shall utilize cement stabilization unless detailed otherwise.

ITEM 204 PROOF ROLLING 77 HR
ITEM 206 CEMENT 5915 TON
ITEM 206 CURING COAT 228,550 SY
ITEM 206 MIXTURE DESIGN FOR CHEMICALLY STABILIZED SOILS LS

Calculation:
Proof Rolling@ 1 HR per 3000 SY of stabilized subgrade
Plan Split 01/NHS: 104,914 SY ÷ 3000 = 35 HR
Plan Split 02/NHS: 123,636 SY ÷ 3000 = 42 HR
Total = 35 + 42 = 77 HR

Cement (from Table 600-3, Geotechnical Design Manual)
0.75 X 12 inches X 115 X 0.05 = 51.75 lbs per SY
Plan Split 01/NHS: (51.75 lb/SY X 104,914 SY) ÷ 2000 lb/ton = 2715 ton
Plan Split 02/NHS: (51.75 lb/SY X 123,636 SY) ÷ 2000 lb/ton = 3200 ton
Total = 2715 + 3200 = 5915 ton

Curing Coat
Plan Split 01/NHS: 104,914 SY (from sheet P.447)
Plan Split 02/NHS: 123,636 SY (from sheet P.447)
Total = 104,914 + 123,636 = 228,550 SY

Ditch Undercut Quantities

The following estimated quantities are provided to accomplish ditch undercuts in the existing median area as shown on the cross sections and as discussed in Section 501 of the Geotechnical Design Manual. This undercut is assumed as 2.0' deep and 16.0' wide for estimating purposes. Actual ditch undercut shall be as directed by the Engineer.

Calculation:
Sta. 639+65 to Sta. 647+75 = 810 ft
Sta. 648+25 to Sta. 669+40 = 2115 ft
Sta. 673+75 to Sta. 694+50 = 2075 ft
Sta. 697+65 to Sta. 705+75 = 810 ft
Sta. 706+75 to Sta. 726+25 = 1950 ft
Sta. 726+75 to Sta. 746+25 = 1950 ft
Sta. 752+15 to Sta. 763+75 = 1160 ft
Sta. 764+50 to Sta. 800+00 = 3550 ft
Sta. 800+50 to Sta. 810+00 = 950 ft
Sta. 811+00 to Sta. 812+65 = 165 ft
Sta. 813+05 to Sta. 820+60 = 755 ft
Sta. 821+10 to Sta. 831+00 = 990 ft
Total: 17,280 ft
(Deduction: 26 existing median inlets X 25' = 650 ft)
Total: 16,630 ft

(16,630 ft X 16 ft wide X 2 ft thick) ÷ 27 = 19,710 CY

The following quantities have been carried to the General Summary to accomplish the work described above:

ITEM 203 EXCAVATION 19,710 CY (Plan Split 01/NHS)
ITEM 203 EMBANKMENT 19,710 CY (Plan Split 01/NHS)

Undercut Contingency Quantities

In the event any area fails the proof rolling after chemical stabilization, the following quantities have been included in the general summary and may be used for stabilizing the failed areas as directed by the Project Engineer:

ITEM 204 EXCAVATION OF SUBGRADE 3500 CY
ITEM 204 GRANULAR MATERIAL, TYPE B 3500 CY
ITEM 204 GEOTEXTILE FABRIC 5000 SY
ITEM 204 GEOGRID 5000 SY

The above quantities may also be used for stabilizing failed areas in the temporary pavement locations required for the maintenance of traffic.

Seeding and Mulching

The following quantities are provided to promote growth and care of permanent seeded areas:

ITEM 659 SOIL ANALYSIS TEST 2 EACH

ITEM 659 SEEDING AND MULCHING, CLASS 2 51,873 SY
50,993 SY (from P.638) + 410 (from P.64) + 240 (from P.66) + 230 (from P.70) = 51,873 SY

ITEM 659 REPAIR SEEDING AND MUCHING 2594 SY
5% X 51,873 SY = 2594 SY

ITEM 659 INTER-SEEDING 2594 SY
5% X 51,873 SY = 2594 SY

ITEM 659 COMMERCIAL FERTILIZER 7 TON
51,873 SY ÷ 7410 = 7 ton

ITEM 659 LIME 10.7 ACRE
51,873 SY ÷ 4840 = 10.7 acre

ITEM 659 WATER 295 MGAL
((51,873 + 2594) X 0.0027) X 2 applications = 295 MGAL

ITEM 659 MOWING 117 MSF
(51,873 SY X 9 SF/SY X 25%) ÷ 1000 = 117 MSF

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.

Vegetated Filter Strip

This plan utilizes vegetated filter strips for post construction storm water treatment. Place either ITEM 660 SODDING or ITEM 659 SEEDING AND MULCHING with a 4-inch lift of topsoil and ITEM 670 SLOPE EROSION PROTECTION to all disturbed areas designated as vegetated filter strips, the edge of shoulder, and the foreslope as specified in the plans. See sheet P.448 for more details.

The following estimated quantities are provided in the general summary for use as directed by the Engineer to improve the proposed BMP locations in the plans:

ITEM 659 TOPSOIL (600 CY)
ITEM 670 SLOPE EROSION PROTECTION (5400 SY)

(Quantities based on 20% of plan vegetated filter strip areas.)

Post Construction Storm Water Treatment

This plan utilizes structural best management practices (BMP's) for post construction storm water treatment.

Endangered Bat Habitat Removal

This project is located within the known habitat ranges of the federally listed and protected Indiana bat, and Northern Long-Eared Bar. No trees shall be removed under this project from April 1 through September 30. All necessary tree removal shall occur from October 1 through March 31. This requirement is necessary to avoid and minimize impacts to these species as required by the Endangered Species Act (ESA). For the purposes of this note, a tree is defined as: alive, dying, or dead woody plant, with a trunk 3 inches or greater in diameter at a height of 4.5 feet above the ground surface, and with a minimum height of 13 feet.

Permits - Waterway Permits

Do not place any temporary or permanent fill within the jurisdictional boundaries of all streams, wetlands, and jurisdictional ditches during construction of this project, including scaffolding or bacing. Do not place any equipment within the jurisdictional boundary of any waterway. If debris enters the waterway during construction, remove the debris immediately using equipment staged outside the jurisdictional boundary.

GENERAL NOTES

DESIGN AGENCY

DESIGNER BRH
REVIEWER CMY 09/05/25
PROJECT ID 95445
SHEET P.20 TOTAL 895

LIC-16/37-14.24/15.47

Maintenance of Traffic Sequence of Operations

Alternate Methods
If the contractor so elects, alternate methods for the maintenance of traffic may be submitted, provided the intent of the below provisions are followed and no additional inconvenience to the traveling public results therefrom. No alternate plan shall be placed into effect until approval has been granted, in writing, by the District Deputy Director.

Pre-Phase 1 (Miscellaneous Repairs)
Temporary pavement shall be constructed near the River Road and S.R. 16 E.B. intersection as detailed on sheet P.53.

Pavement repairs shall be performed as per the Pre-Phase 1 Pavement Repair Table on sheet P.29 and as shown on the Pre-Phase 1 plan sheets after approval of these joint locations has been given by the Engineer.

S.R. 37/S.R. 16 shall be resurfaced per the Pre-Phase 1 typical section and Pre-Phase 1 plan sheets. This resurfacing will remove the existing rumble strips on the outside shoulders and provide a new surface for maintained traffic in subsequent MOT phases. In addition to this mainline resurfacing, the ramps at the S.R. 37 & Columbus Rd. interchange shall be resurfaced before Phase 1 MOT may begin.

All proposed bridge work at the LIC-16-1718 (Thornwood Crossing) structure shall be complete before Phase 1 MOT may begin.

Work zone cameras as specified on sheets P.29, P.72, and P.88 shall be installed and functional before Phase 1 MOT may begin.

Phase 1 (Median Construction)
Traffic shall be moved to the outside of the existing roadway in both the Eastbound and Westbound directions.

The contractor shall construct the median area per the proposed roadway typical sections except that the proposed surface course shall be replaced with 1.50" of ITEM 442 ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (448). This temporary surface course will be removed during Phase 4 final resurfacing.

Temporary pavement at the proposed crossover locations as shown on sheets P.54 - P.58 shall be constructed for use in subsequent MOT phases.

All ramps shall remain open during Phase 1.

Phase 2 (Eastbound Construction)
Temporary signals at the Columbus Rd. interchange as shown on sheets P.41 - P.42 shall be constructed and operational before any ramps are closed in Phase 2 MOT.

Westbound traffic shall remain in its phase 1 configuration. Eastbound traffic shall be split in contra-flow with the Eastbound passing lane crossing over to the inside shoulder of the Westbound lanes, and the Eastbound driving lane shifting over to the inside shoulder of the Eastbound lanes.

The contractor shall construct the Eastbound area per the proposed roadway typical sections except that the proposed surface course shall be replaced with 1.50" of ITEM 442 ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (448). This temporary surface course will be removed during Phase 4 final resurfacing.

River Rd. shall be closed to the traveling public during Phase 2, however, EMS access shall be provided **AT ALL TIMES** as shown in the Phase 2 plan sheets. (Access only needed entering River Rd., not exiting from it.)

Permitted Ramp Closures:
Phase 2A - Ramp C, Ramp D, and River Rd. shall be closed
Phase 2B - Ramps G, Ramp H, and River Rd. shall be closed
Phase 2C - River Rd. shall be closed

Phase 3 (Westbound Construction)
Temporary signals at the Columbus Rd. interchange as shown on sheets P.41 - P.42 shall remain in operation from Phase 2.

Eastbound traffic shall be in its final post-construction configuration. Westbound traffic shall be split in contra-flow with the Westbound passing lane crossing over to the inside shoulder of the Eastbound lanes, and the Westbound driving lane shifting over to the inside shoulder of the Westbound lanes.

The contractor shall construct the Westbound area per the proposed roadway typical sections except that the proposed surface course shall be replaced with 1.50" of ITEM 442 ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (448). This temporary surface course will be removed during Phase 4 final resurfacing.

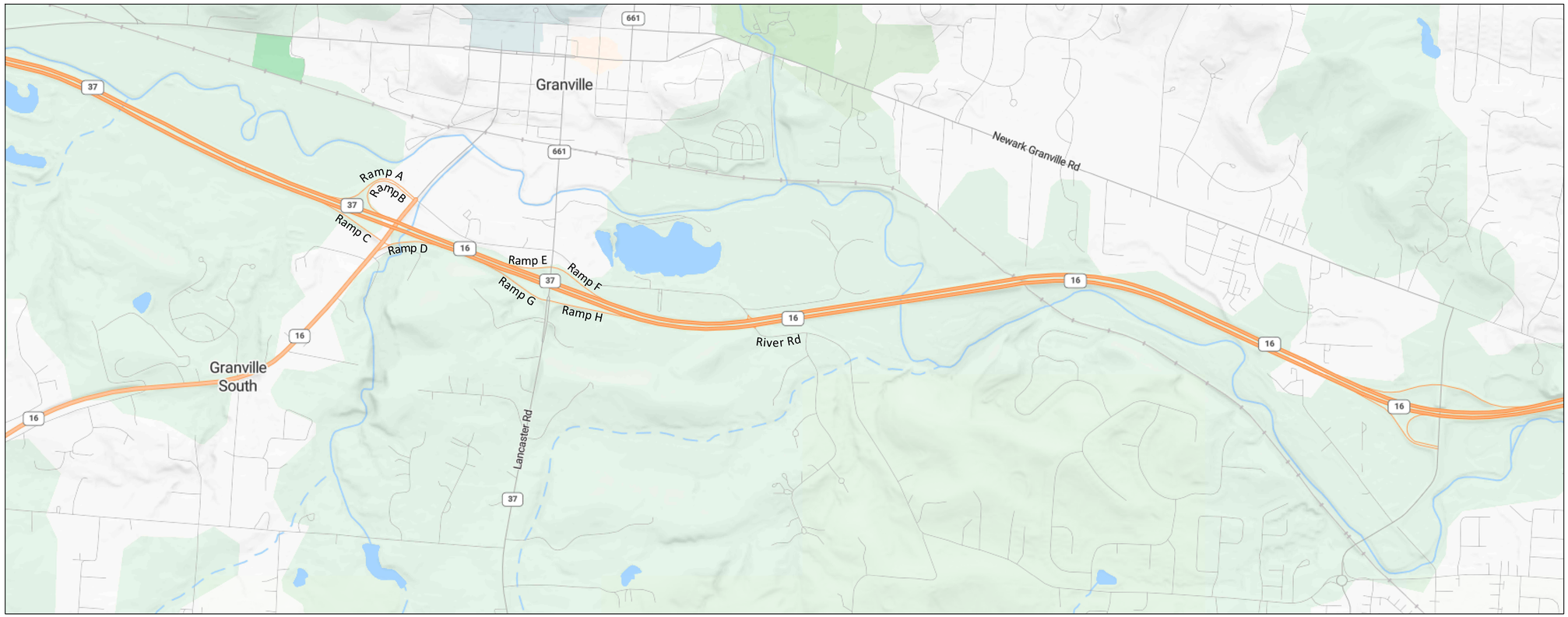
Permitted Ramp Closures:
Phase 3A - Ramp A and Ramp B shall be closed
Phase 3B - Ramp E & F shall be closed
Phase 3C - All ramps open

Phase 4 (Final Resurfacing)
Traffic shall be maintained at all times per SCD MT-95.30.

Construct final resurfacing as per the Phase 4 MOT typical section on sheet P.40.

Install final pavement markings and signs.

All ramps shall be open during Phase 4.



MAINTENANCE OF TRAFFIC NOTES

DESIGN AGENCY

DESIGNER BRH
REVIEWER CMY 09/05/25
PROJECT ID 95445
SHEET P.24 TOTAL 895

LIC-16/37-14.24/15.47

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																		EROSION CONTROL	
		10				47		22				79		601	21050	79	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
		5						6				11		601	32200	11	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
2												2		659	00100	2	EACH	SOIL ANALYSIS TEST	
600												600		659	00300	600	CY	TOPSOIL	
51,873												51,873		659	00510	51,873	SY	SEEDING AND MULCHING, CLASS 2	
2,594												2,594		659	14000	2,594	SY	REPAIR SEEDING AND MULCHING	
2,594												2,594		659	15000	2,594	SY	INTER-SEEDING	
7												7		659	20000	7	TON	COMMERCIAL FERTILIZER	
10.7												10.7		659	31000	10.7	ACRE	LIME	
295												295		659	35000	295	MGAL	WATER	
117												117		659	40000	117	MSF	MOWING	
5,400												5,400		670	00500	5,400	SY	SLOPE EROSION PROTECTION	
											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	
											150,000	350,000		832	30000	500,000	EACH	EROSION CONTROL	
																		DRAINAGE	
								2.3				2.3		602	20000	2.3	CY	CONCRETE MASONRY	
				38,719		28,653					38,719	28,653		605	11100	67,372	FT	6" SHALLOW PIPE UNDERDRAINS	
		200		1,213		1,925					1,313	2,025		605	13300	3,338	FT	6" UNCLASSIFIED PIPE UNDERDRAINS	
		200									100	100		605	13500	200	FT	6" ROCK CUT UNDERDRAINS	
				18,303		28,188					18,303	28,188		605	14000	46,491	FT	6" BASE PIPE UNDERDRAINS	
		200										200		605	31100	200	FT	AGGREGATE DRAINS	
				172		430					172	430		611	00510	602	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
		200		1,181		857					1,281	957		611	00900	2,238	FT	6" CONDUIT, TYPE B	
		200										200		611	01400	200	FT	6" CONDUIT, TYPE E	
		400										400		611	01500	400	FT	6" CONDUIT, TYPE F	
								90			90			611	04400	90	FT	12" CONDUIT, TYPE B	
								32				32		611	04600	32	FT	12" CONDUIT, TYPE C	
								1,334			1,334			611	05900	1,334	FT	15" CONDUIT, TYPE B	
								77			77			611	07400	77	FT	18" CONDUIT, TYPE B	
								26			26			611	08900	26	FT	21" CONDUIT, TYPE B	
								20			20			611	10400	20	FT	24" CONDUIT, TYPE B	
								40			40			611	13400	40	FT	30" CONDUIT, TYPE B	
								16			16			611	16400	16	FT	36" CONDUIT, TYPE B	
								412			412			611	96600	412	FT	CONDUIT, BORED OR JACKED (15", TYPE B)	
								34			34			611	99110	34	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE C1	
								1			1			611	99574	1	EACH	MANHOLE, NO. 3	
								10			10			611	99654	10	EACH	MANHOLE ADJUSTED TO GRADE	
		5				26						31		611	99710	31	EACH	PRECAST REINFORCED CONCRETE OUTLET	

GENERAL SUMMARY

DESIGN AGENCY

DESIGNER BRH

REVIEWER CMY 09/05/25

PROJECT ID 95445

SHEET P.423 TOTAL 895

LIC-16/37-14.24/15.47

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19		22		434		447		765	845		01/NHS	02/NHS	03/NHS						
																		PAVEMENT	
						378,596					81,815	296,781		254	01000	378,596	SY	PAVEMENT PLANING, ASPHALT CONCRETE (1.50" DEPTH)	
						10,654						10,654		254	01001	10,654	SY	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN (VARIABLE DEPTH - 3.55" MAX.)	19
						38,792			504		37,884	1,412		255	20000	39,296	FT	FULL DEPTH PAVEMENT SAWING	
						34,570					16,000	18,570		302	66001	34,570	CY	ASPHALT CONCRETE BASE, AS PER PLAN	19
						37,741					17,486	20,255		304	20000	37,741	CY	AGGREGATE BASE	
						62,961					19,800	43,161		407	20000	62,961	GAL	NON-TRACKING TACK COAT	
						4,021						4,021		408	10001	4,021	GAL	PRIME COAT, AS PER PLAN	19
						3,411					3,411			441	50100	3,411	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M	
						20,881					2,363	18,518		442	00100	20,881	CY	ANTI-SEGREGATION EQUIPMENT	
						11,627					5,157	6,470		442	10087	11,627	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446), PWL 2025, AS PER PLAN (PG64-22/PG64-28)	19
						12,377						12,377		442	10331	12,377	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), PWL 2025, AS PER PLAN (PG70-22M)	19
						9,657					4,118	5,539		442	20170	9,657	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (448)	
				36								36		609	24510	36	FT	CURB, TYPE 4-C	
									7			7		617	10100	7	CY	COMPACTED AGGREGATE	
						560						560		617	10101	560	CY	COMPACTED AGGREGATE, AS PER PLAN	19
		17.46									8.73	8.73		618	40600	17.46	MILE	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	
LS											LS	LS		SPECIAL	69098400	LS		PAVER MOUNTED THERMAL PROFILING	19
LS											LS	LS		SPECIAL	69098400	LS		INTELLIGENT COMPACTION	19
						37,837					8,488	29,349		874	20001	37,837	FT	LONGITUDINAL JOINT PREPARATION, AS PER PLAN (PASS 1)	20
						37,837					8,488	29,349		874	20001	37,837	FT	LONGITUDINAL JOINT PREPARATION, AS PER PLAN (PASS 2)	20
																		TRAFFIC SURVEILLANCE	
								769			769			625	29010	769	FT	TRENCH, 30" DEEP	
								2,232			2,232			625	25908	2,232	FT	CONDUIT, JACKED OR DRILLED, 725.052 (2")	
								23			23			809	00530	23	EACH	ITS JUNCTION BOX, 17x24x6 INCHES	
								13			13			809	02000	13	EACH	32" ITS PULL BOX WITH PAD AND STANDARD LID ASSEMBLY, TYPE 2	
								3,001			3,001			809	10000	3,001	FT	TRACER WIRE	
								84,100			84,100			809	23100	84,100	FT	MICRO-DUCT INNERDUCT, 14/10	
								19,854			19,854			809	23900	19,854	FT	CONDUIT, 2" DIAMETER, HDPE	

GENERAL SUMMARY

DESIGN AGENCY

DESIGNER BRH

REVIEWER CMY 09/05/25

PROJECT ID 95445

SHEET P.424 TOTAL 895

LIC-16/37-14.24/15.47

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																		MAINTENANCE OF TRAFFIC	
							132				132			253	02001	132	CY	PAVEMENT REPAIR, AS PER PLAN	29
							5,000				5,000			254	01000	5,000	SY	PAVEMENT PLANING, ASPHALT CONCRETE (VARIABLE DEPTH - 3" MAX.)	
							250				250			301	56000	250	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
							250				250			304	20000	250	CY	AGGREGATE BASE	
							3,600				3,600			407	20000	3,600	GAL	NON-TRACKING TACK COAT	
							400				400			408	10000	400	GAL	PRIME COAT	
							50				50			410	12000	50	CY	TRAFFIC COMPACTED SURFACE, TYPE A OR B	
									30		30			411	10000	30	CY	STABILIZED CRUSHED AGGREGATE	
							200				200			441	70100	200	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG70-22M	
							50				50			606	15051	50	FT	GUARDRAIL, TYPE MGS, AS PER PLAN	29
							1				1			606	26151	1	EACH	ANCHOR ASSEMBLY, MGS TYPE E, AS PER PLAN (MASH 2016)	29
							1				1			606	26551	1	EACH	ANCHOR ASSEMBLY, MGS TYPE T, AS PER PLAN	29
									973		973			611	05901	973	FT	15" CONDUIT, TYPE B, AS PER PLAN	29
									643		643			611	97011	643	FT	SLOTTED DRAIN, TYPE 2, AS PER PLAN (15")	29
									2		2			611	98261	2	EACH	CATCH BASIN, NO. 4 WITHOUT APRON, AS PER PLAN	29
									3		3			611	98371	3	EACH	CATCH BASIN, NO. 6, AS PER PLAN	29
									2		2			611	98635	2	EACH	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN	29
					1,250						1,250			614	11110	1,250	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
					1						1			SPECIAL	61411300	1	EACH	WORK ZONE TRAFFIC SIGNAL (RAMPS A/B)	28
					1						1			SPECIAL	61411300	1	EACH	WORK ZONE TRAFFIC SIGNAL (RAMPS C/D)	28
									4,788		2,208	2,580		614	11630	4,788	FT	INCREASED BARRIER DELINEATION	
									38		2	36		614	12380	38	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	
											LS			614	12420	LS		DETOUR SIGNING	
			10								10			614	12484	10	EACH	WORK ZONE INCREASED PENALTIES SIGN	
					15						15			614	12500	15	EACH	REPLACEMENT SIGN	
					40						40			614	12600	40	EACH	REPLACEMENT DRUM	
					1						1			614	12756	1	EACH	WORK ZONE CROSSOVER LIGHTING SYSTEM	
									977			977		614	12800	977	EACH	WORK ZONE RAISED PAVEMENT MARKER	
							50				50			614	13000	50	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
									2,941		897	2,044		614	13310	2,941	EACH	BARRIER REFLECTOR, TYPE 1 (ONE-WAY)	
									777			777		614	13310	777	EACH	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)	
									1,638		896	742		614	13350	1,638	EACH	OBJECT MARKER, ONE WAY	
							50,000				50,000			614	18000	50,000	EACH	MAINTAINING TRAFFIC, MISC.: SAFETY REPAIRS	29
							2				2			614	18000	2	EACH	MAINTAINING TRAFFIC, MISC.: WORK ZONE CAMERA	29
			160								160			614	18601	160	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	27
									37		19	18		614	20110	37	MILE	WORK ZONE LANE LINE, CLASS I, 6", 642 PAINT	
									144.57		40.85	103.72		614	22110	144.57	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	
									75,582		24,030	51,552		614	23200	75,582	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	
									44,506		15,700	28,806		614	24202	44,506	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 642 PAINT	
									171		171			614	26200	171	FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	
									7		4	3		614	30200	7	EACH	WORK ZONE ARROW, CLASS I, 642 PAINT	
			LS								LS			615	10000	LS		ROADS FOR MAINTAINING TRAFFIC	
									6,350		6,350			615	20000	6,350	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	
					99						63	36		616	10000	99	MGAL	WATER	
							50				50			617	10100	50	CY	COMPACTED AGGREGATE	
									1,758		1,102	656		621	00100	1,758	EACH	RPM	
									1,758		1,102	656		621	54000	1,758	EACH	RAISED PAVEMENT MARKER REMOVED	
									103,020		43,408	59,612		622	41100	103,020	FT	PORTABLE BARRIER, UNANCHORED	
									42,500			42,500		622	80000	42,500	FT	GLARE SCREEN	
							4				4			626	00110	4	EACH	BARRIER REFLECTOR, TYPE 2 (ONE-WAY)	
			256								256			808	18700	256	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY	
																		INCIDENTALS	
											LS	LS	LS	614	11000	LS		MAINTAINING TRAFFIC	
	LS										LS	LS		623	10001	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN	22
											LS	LS		623	11000	LS		PROVIDING ELECTRONIC INSTRUMENTATION	
											LS	LS	LS	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

LIC-16/37-14.24/15.47

DESIGN AGENCY

DESIGNER BRH

REVIEWER CMY 09/05/25

PROJECT ID 95445

SHEET P.427 TOTAL 895

REF NO.	SHEET NO.	STATION TO STATION			601 TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	605 6" SHALLOW PIPE UNDERDRAINS, 30"	605 6" UNCLASSIFIED PIPE UNDERDRAINS	605 6" BASE PIPE UNDERDRAINS, 18"	611 6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	611 6" CONDUIT, TYPE B	611 PRECAST REINFORCED CONCRETE OUTLET							FOR INFORMATION ONLY: 6" COUPLING	6" TEE	6" WYE	6" CROSS	6" X 90° BEND	6" X 45° BEND	6" CAP
					SY	FT	FT	FT	FT	FT	EACH							EACH	EACH	EACH	EACH	EACH	EACH	EACH
		Plan Split 02/NHS (Phase 3 WB Direction)																						
192-UD		653 +75		657 +00	1.8			325	10		1								1					1
193-UD		653 +75		657 +00		325				22												1		1
194-UD		657 +01		662 +47	1.8			547	8		1											1		1
195-UD		657 +01		664 +05		704				24												1		1
196-UD		662 +52		668 +10				558		10												1		1
197-UD		664 +06		668 +10		404				24								1	1					1
198-UD		668 +20		668 +73				53		10												1		1
199-UD		668 +20		676 +49		829				24								1	1					1
200-UD		668 +77		676 +49	1.8			774	23		1											1		1
201-UD		676 +50		680 +99	1.8			449	16		1								1					1
202-UD		676 +50		680 +99		449				10												1		1
203-UD		681 +00		688 +00	1.8			700	14		1								1					1
204-UD		681 +00		688 +00		700				10												1		1
205-UD		688 +00		691 +39	1.8			340	36		1											1		1
206-UD		688 +00		695 +04		704				24								1	1					1
207-UD		691 +43		695 +04				361		10												1		1
208-UD		695 +05		701 +33				628	12										1					1
209-UD		695 +05		701 +33		628				10												1		1
210-UD		701 +34		702 +74	1.8			140	49		1											1		1
211-UD		701 +34		711 +24		990				24									1					1
212-UD		702 +80		711 +24				838		10												1		1
213-UD		711 +25		721 +23				998		10												1		1
214-UD		711 +25		721 +23		998				24									1					1
215-UD		721 +24		728 +50	1.8			726	13		1								1					1
216-UD		721 +24		728 +50		726				10												1		1
217-UD		728 +51		738 +50	1.8			999	9		1								1					1
218-UD		728 +51		738 +50		999				10												1		1
219-UD		738 +51		743 +50	1.8			499	9		1										1			1
220-UD		738 +51		743 +50		499				10									1					1
221-UD		743 +50		747 +97				447																1
222-UD		743 +50		747 +97		447																		1
223-UD		750 +82		757 +99	1.8			717	10		1								1					1
224-UD		750 +82		757 +99		717				10												1		1
225-UD		758 +00		765 +50	1.8			750	8		1								1					1
226-UD		758 +00		765 +50		750				10												1		1
227-UD		765 +50		775 +50	1.8			1000	10		1								1					1
228-UD		765 +50		775 +50		1000				22												1		1
229-UD		775 +51		785 +50	1.8			999	10		1								1					1
230-UD		775 +51		785 +50		999				22												1		1
231-UD		785 +51		791 +50	1.8			599	8		1								1					1
232-UD		785 +51		791 +50		599				22												1		1
233-UD		791 +51		799 +95			100	744		10									1					1
234-UD		791 +51		799 +95		744	100			24								1			1			1
235-UD		799 +95		803 +36			341																	1
236-UD		799 +95		803 +36			341																	1
TOTAL THIS SHEET					27	14211	882	14191	245	396	15							4	18	0	2	21	0	45
TOTAL CARRIED FROM P.681					20	14442	1043	13997	185	461	11							4	18	0	6	19	0	48
TOTALS CARRIED TO GENERAL SUMMARY (Plan Split 02/NHS)					47	28653	1925	28188	430	857	26							8	36	0	8	40	0	93

UNDERDRAIN SUBSUMMARY WESTBOUND (02/NHS)

DESIGN AGENCY

DESIGNER CMY

REVIEWER CMY 09/05/25

PROJECT ID 95445

SHEET P.682 TOTAL 895

LIC-16/37-14.24/15.47

MODEL: Sheet05 PAPERSIZE: 34x22 (in.) DATE: 12/11/2025 TIME: 12:50:37 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Brian.Harlow@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 95445 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Licking\95445\V400-Engineering\Drainage\Sheets\95445_DS001.dgn

Maintaining ITS Assets During Construction

The Contractor shall maintain all preexisting or newly installed permanent ITS/Traffic devices and infrastructure during construction according to ODOT Supplemental Specification 809.

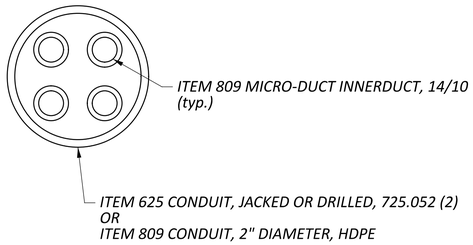
ITEM 809 32" ITS PULL BOX WITH PAD AND STANDARD LID ASSEMBLY, TYPE 2

This item shall conform to the pull box details provided in SCD ITS-14.11. Payment shall be made at the contract unit price and include all labor, equiment, and materials necessary to furnish and install the pull box.

General Raceway Details

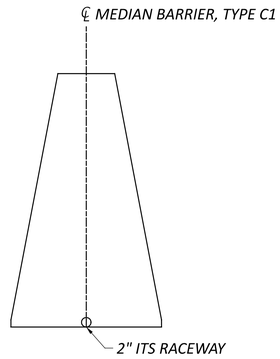
Where ITEM 625 CONDUIT, JACKED OR DRILLED, 725.052 (2") or ITEM 809 CONDUIT, 2" DIAMETER, HDPE are specified in the plans, the conduit shall have (4) ITEM 809 MICRO-DUCT INNERDUCT, 14/10 installed inside the conduit as per Supplemental Specification 809 and relevant ITS Standard Construction Drawings. See detail below.

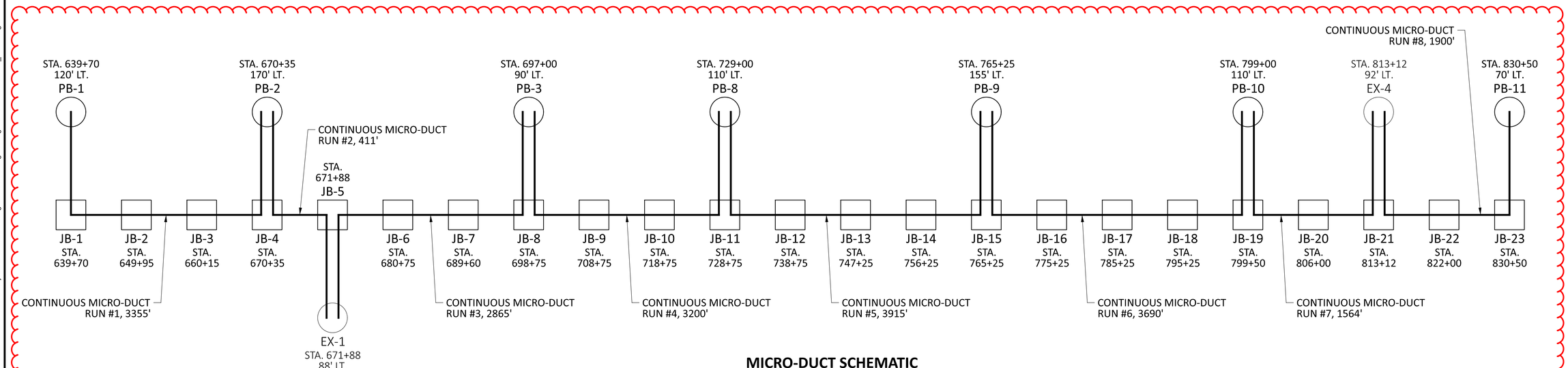
Where lateral offsets are shown in the ITS plans, (2) raceways shall be installed as specified in the plans.



Median Barrier Raceway Details

The proposed median Type C1 barrier in the plans, shall only contain (1) 2" ITS raceway, itemized separately. The lighting and spare conduits shown on Standard Construction Drawings ITS-14.50, RM-4.3, and RM-4.4 shall not be installed.





MICRO-DUCT SCHEMATIC

(NOT TO SCALE)

TRAFFIC SURVEILLANCE NOTES

DESIGN AGENCY

DESIGNER WAC

REVIEWER BRH 09/05/25

PROJECT ID 95445

SHEET P.764 TOTAL 895

LIC-16/37-14.24/15.47

SHEET NO.	LOCATION	TRENCH, 30" DEEP	CONDUIT, JACKED OR DRILLED, 725.052 (2")	ITS JUNCTION BOX, 17x24x6 INCHES	32" ITS PULL BOX WITH PAD AND STANDARD LID ASSEMBLY, TYPE 2	TRACER WIRE	MICRO-DUCT INNERDUCT, 14 / 10	CONDUIT, 2" DIAMETER, HDPE
		625	625	809				
		FT	FT	EACH	EACH	FT	FT	FT
	MAINLINE - S.R. 37 / 16 (PLAN SPLIT 01/NHS)							
P.766	END OF WALL TO JB-1			1			20	5
	JB-1 TO PB-1		120		1	120	480	
P.766	PB-1 TO JB-1		120			120	480	
P.766	JB-1 TO JB-2			1			4100	1025
P.766 - P.767	JB-2 TO JB-3			1			4080	1020
P.767 - P.768	JB-3 TO JB-4			1			4080	1020
P.768	JB-4 TO PB-2		170		1	170	680	
P.768	PB-2 TO JB-4		170			170	680	
P.768	JB-4 TO JB-5			1			612	153
P.768	JB-5 TO EX-1		88			88	352	
P.768	EX-1 TO JB-5		88			88	352	
P.768 - P.769	JB-5 TO JB-6			1			3548	887
P.769 - P.770	JB-6 TO JB-7			1			3540	885
P.770	JB-7 TO JB-8			1			3660	915
P.770	JB-8 TO PB-3		90		1	90	360	
P.770	PB-3 TO PB-4	280			1	280		280
P.770	PB-4 TO EX-2		75			75		
P.770	PB-3 TO PB-5		165		1	165		
P.770	PB-5 TO PB-6	140			1	140		140
P.770	PB-6 TO PB-7		38		1	38		
P.770	PB-7 TO EX-3	37				37		37
P.770	PB-3 TO JB-8		90			90	360	
P.770 - P.771	JB-8 TO JB-9			1			4000	1000
P.771 - P.772	JB-9 TO JB-10			1			4000	1000
P.772 - P.773	JB-10 TO JB-11			1			4000	1000
P.773	JB-11 TO PB-8		110		1	110	440	
P.773	PB-8 TO JB-11		110			110	440	
P.773 - P.774	JB-11 TO JB-12			1			4000	1000
P.774	JB-12 TO JB-13			1			3400	850
P.774 - P.775	JB-13 TO JB-14			1			3600	900
P.775 - P.776	JB-14 TO JB-15			1			3600	900
P.776	JB-15 TO PB-9		155		1	155	620	
P.776	PB-9 TO JB-15		155			155	620	
P.776	JB-15 TO JB-16			1			4000	1000
P.777	JB-16 TO JB-17			1			4000	1000
P.777 - P.778	JB-17 TO JB-18			1			4000	1000
P.778	JB-18 TO JB-19			1			1700	425
P.778	JB-19 TO PB-10		110		1	110	440	
P.778	PB-10 TO JB-19		110			110	440	
P.778 - P.779	JB-19 TO JB-20			1			2600	650
P.779 - P.780	JB-20 TO JB-21			1			2848	712
P.780	JB-21 TO EX-4		92			92	368	
P.780	EX-4 TO JB-21		92			92	368	
P.780	JB-21 TO JB-22			1			3552	888
P.780 - P.781	JB-22 TO JB-23			1			3400	850
P.781	JB-23 TO PB-11		70		1	70	280	
P.781	PB-11 TO PB-12	312			1	312		312
P.781	PB-12 TO PB-13		14		1	14		
TOTALS CARRIED TO GENERAL SUMMARY		769	2232	23	13	3001	84,100	19,854

TRAFFIC SURVEILLANCE SUBSUMMARY

DESIGN AGENCY

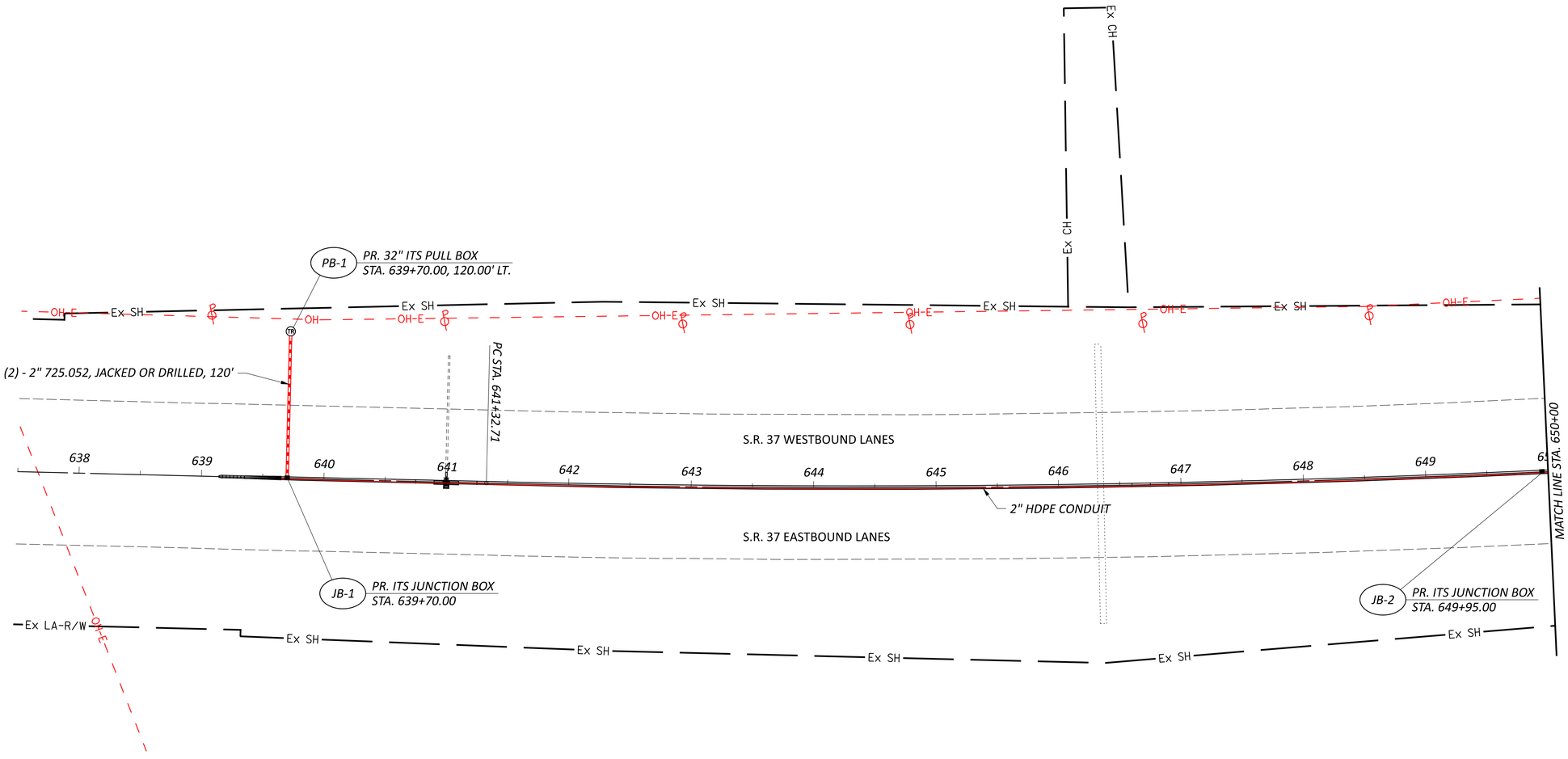
DESIGNER WAC

REVIEWER BRH 09/05/25

PROJECT ID 95445

SHEET P.765 TOTAL 895

LIC-16/37-14.24/15.47



LEGEND

- *ITS JUNCTION BOX*
- *CONDUIT , 2" DIAMETER, HDPE*
- *MICRO-DUCT PATHWAY (x 2), JACKED OR DRILLED*
- *32" ITS PULL BOX W/ PAD, TYPE 2*

HORIZONTAL SCALE IN FEET
0 25 50 100

TRAFFIC SUVEILLANCE PLAN
STA. 637+50.00 TO STA. 650+00.00

DESIGN AGENCY

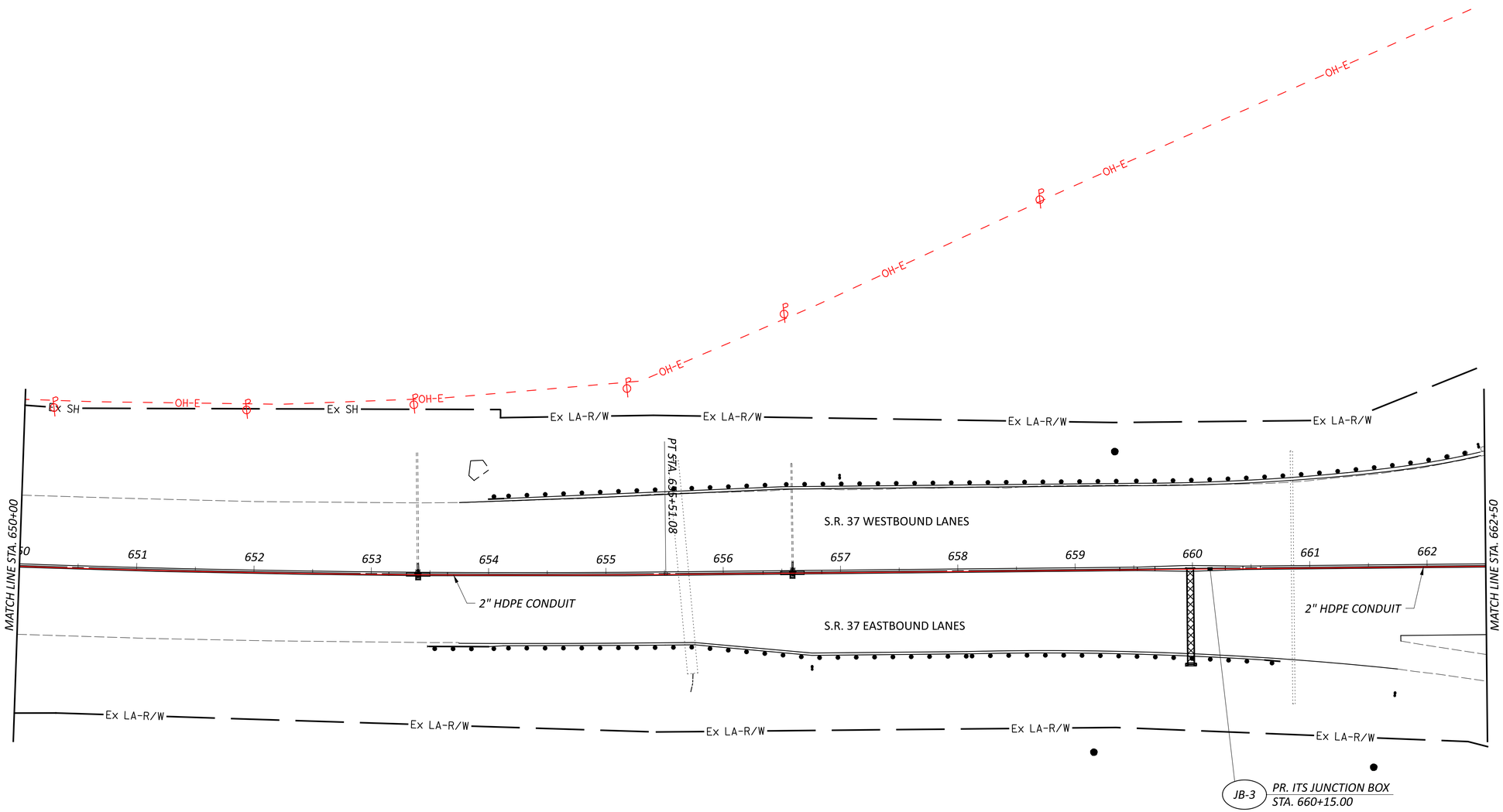
DESIGNER WAC

REVIEWER BRH 09/05/25

PROJECT ID 95445

SHEET P.766 TOTAL 895

LIC-16/37-14.24/15.47



LEGEND

- ITS JUNCTION BOX
- CONDUIT , 2" DIAMETER, HDPE
- MICRO-DUCT PATHWAY (x 2), JACKED OR DRILLED
- 32" ITS PULL BOX W/ PAD, TYPE 2

HORIZONTAL SCALE IN FEET
0 25 50 100

TRAFFIC SUVEILLANCE PLAN
STA. 650+00.00 TO STA. 662+50.00

DESIGN AGENCY

DESIGNER WAC

REVIEWER BRH 09/05/25

PROJECT ID 95445

SHEET P.767 TOTAL 895

LIC-16/37-14.24/15.47

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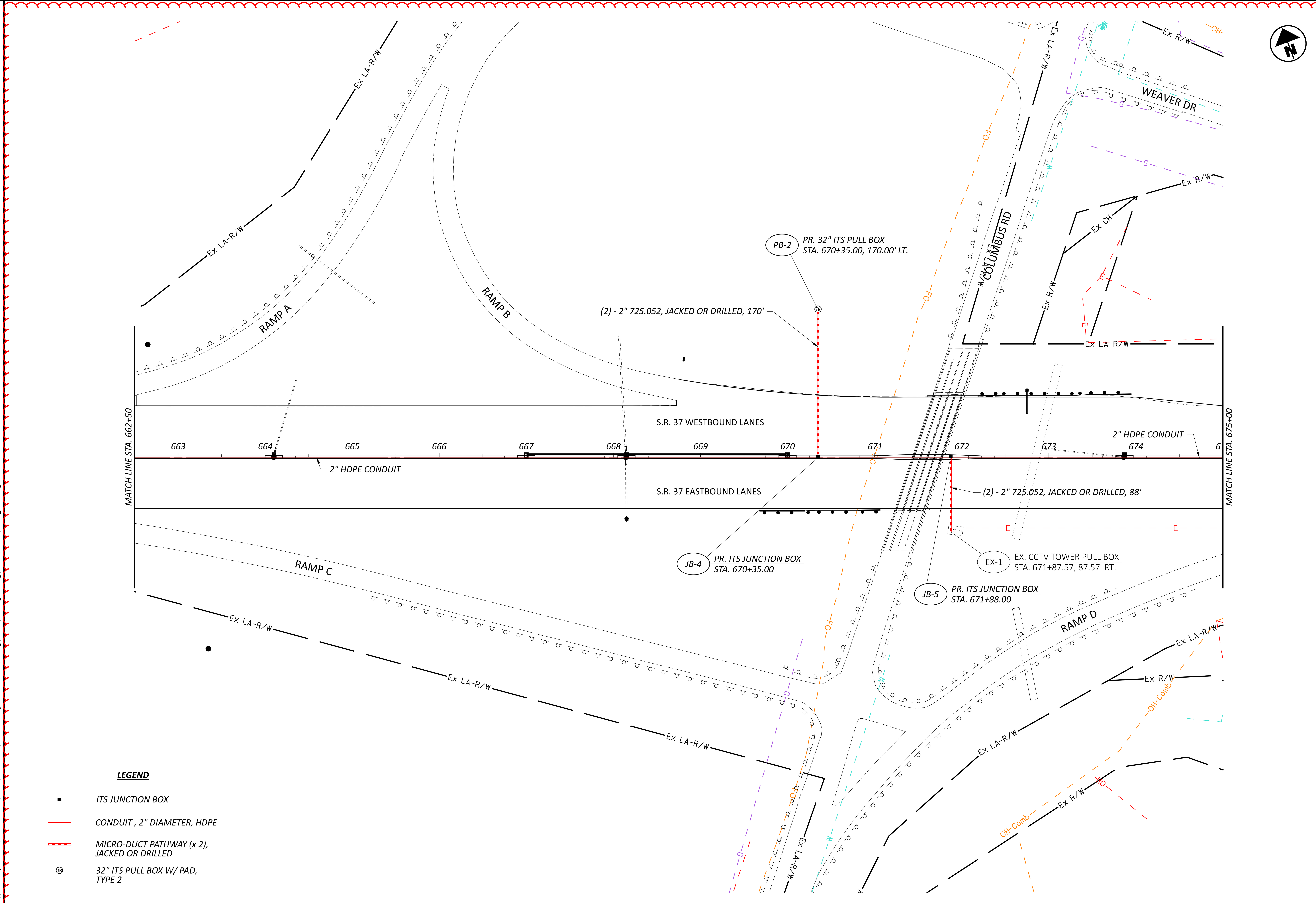

TRAFFIC SUVEILLANCE PLAN
STA. 662+50.00 TO STA. 675+00.00

DESIGN AGENCY

DESIGNER: WAC

REVIEWER: BRH 09/05/25

PROJECT ID: 95445

SHEET: P.768 TOTAL: 895

LIC-16/37-14.24/15.47

MODEL: CLP_37-16 - Plan 3 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 12/5/2025 TIME: 8:55:47 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: D5_Color_Utilities.tbl USER: Brian.Harlow@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 95445 PRODUCT: OpenRoadsDesigner 24.00.00.205
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TRAFFIC SUVEILLANCE PLAN
STA. 675+00.00 TO STA. 687+50.00

HORIZONTAL SCALE IN FEET
0 25 50 100

WEAVER DR

S.R. 16 WESTBOUND LANES

S.R. 16 EASTBOUND LANES

RAMP D

MATCH LINE STA. 675+00

MATCH LINE STA. 687+50

675 676 677 678 679 680 681 682 683 684 685 686 687

2" HDPE CONDUIT

2" HDPE CONDUIT

JB-6 PR. ITS JUNCTION BOX STA. 680+75.00

Ex R/W

Ex LA-R/W

OH-Comb

OH-E

FO

G

E

W

M

LEGEND

- ITS JUNCTION BOX
- CONDUIT , 2" DIAMETER, HDPE
- MICRO-DUCT PATHWAY (x 2), JACKED OR DRILLED
- 32" ITS PULL BOX W/ PAD, TYPE 2

DESIGN AGENCY

DESIGNER WAC

REVIEWER BRH 09/05/25

PROJECT ID 95445

SHEET P.769 TOTAL 895

LIC-16/37-14.24/15.47

MODEL: CLP_37-16 - Plan 4 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 12/5/2025 TIME: 8:55:48 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: D5_Color_Utilities.tbl USER: Brian.Harlow@dot.ohio.gov WORKSPACE: OHDOTCell02 WORKSET: 95445 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Licking\95445\400-Engineering\Traffic\Sheets\95445_TP003.dgn

TRAFFIC SUVEILLANCE PLAN
STA. 687+50.00 TO STA. 700+00.00

HORIZONTAL SCALE IN FEET
0 25 50 100

WEAVER DR
RIVER RD
RAMP E
RAMP F
RAMP G
RAMP H
Ex R/W
Ex LA-R/W
Ex SH
S.R. 16 WESTBOUND LANES
S.R. 16 EASTBOUND LANES
MATCH LINE STA. 687+50
MATCH LINE STA. 700+00
688 689 690 691 692 693 694 695 696 697 698 699

EX-2 EX. SIGNAL PULL BOX
STA. 695+89.19, 280.25' LT.

(1) - 2" 725.052, JACKED OR DRILLED, 75'

PB-4 PR. 32" ITS PULL BOX
STA. 696+17.00, 210.00' LT.

(1) - 2" HDPE CONDUIT, 280'

PB-3 PR. 32" ITS PULL BOX
STA. 698+75.00, 90.00' LT.

(2) - 2" 725.052, JACKED OR DRILLED, 90'

JB-8 PR. ITS JUNCTION BOX
STA. 698+75.00

2" CONDUIT, HDPE

(1) - 2" 725.052, JACKED OR DRILLED, 165'

PB-5 PR. 32" ITS PULL BOX
STA. 698+75.00, 70.00' RT.

(1) - 2" HDPE CONDUIT, 140'

PB-6 PR. 32" ITS PULL BOX
STA. 697+65.00, 200.00' RT.

(1) - 2" 725.052, JACKED OR DRILLED, 38'

(1) - 2" HDPE CONDUIT, 37'

PB-7 PR. 32" ITS PULL BOX
STA. 697+65.00, 245.00' RT.

EX-3 EX. SIGNAL PULL BOX
STA. 697+50.54, 282.97' RT.

2" CONDUIT, HDPE

JB-7 PR. ITS JUNCTION BOX
STA. 689+60.00

LEGEND

- ITS JUNCTION BOX
- CONDUIT , 2" DIAMETER, HDPE
- MICRO-DUCT PATHWAY (x 2), JACKED OR DRILLED
- TR 32" ITS PULL BOX W/ PAD, TYPE 2

DESIGN AGENCY

DESIGNER WAC
REVIEWER BRH 09/05/25
PROJECT ID 95445
SHEET P.770 TOTAL 895

LIC-16/37-14.24/15.47

MODEL: CLP_37-16 - Plan 5 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 12/5/2025 TIME: 8:55:48 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: DS_Color_Utilities.tbl USER: Brian.Harlow@dot.ohio.gov WORKSPACE: OHDOTCivil02 WORKSET: 95445 PRODUCT: OpenRoadsDesigner 24.00.00.205
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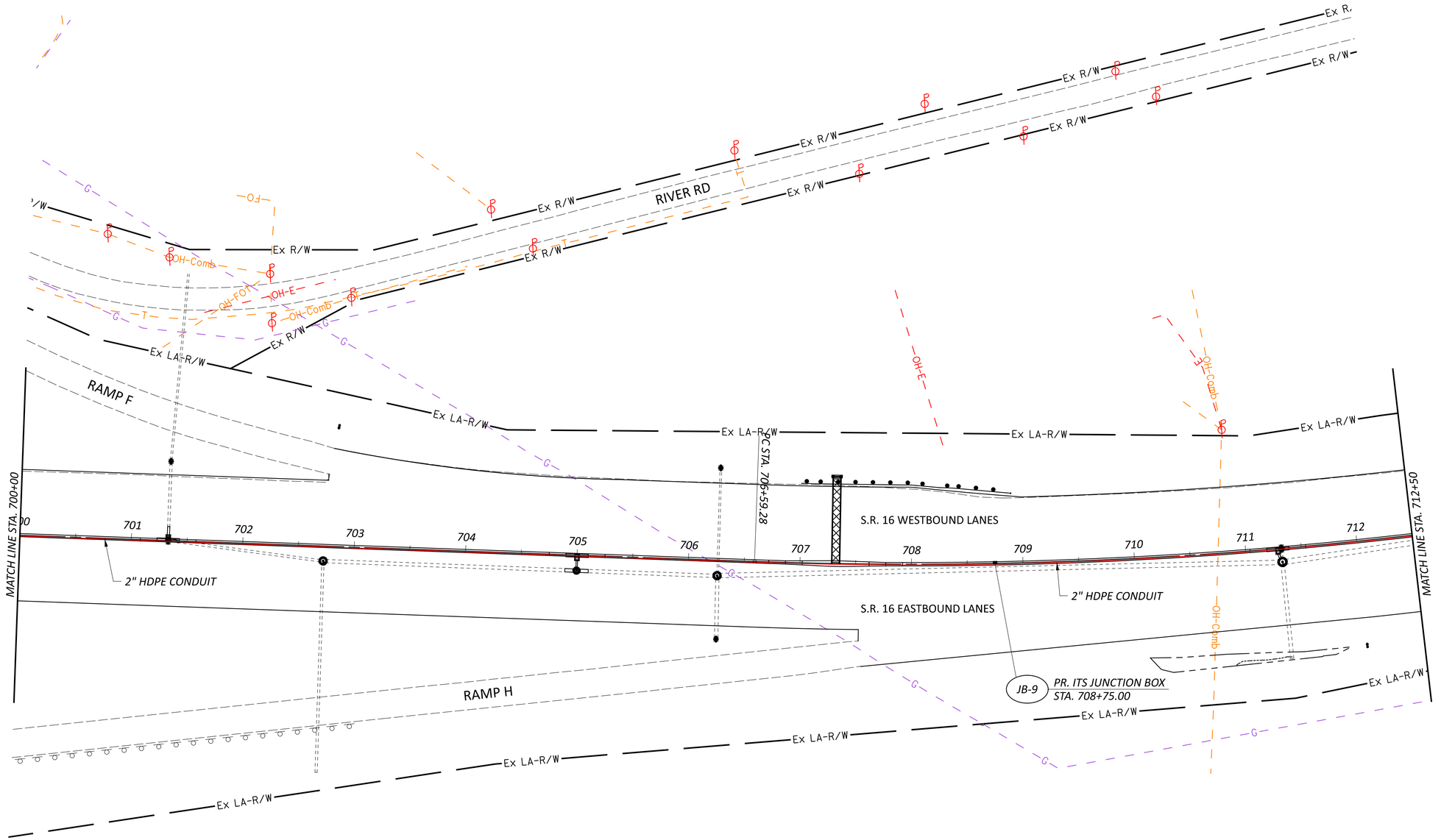


LEGEND

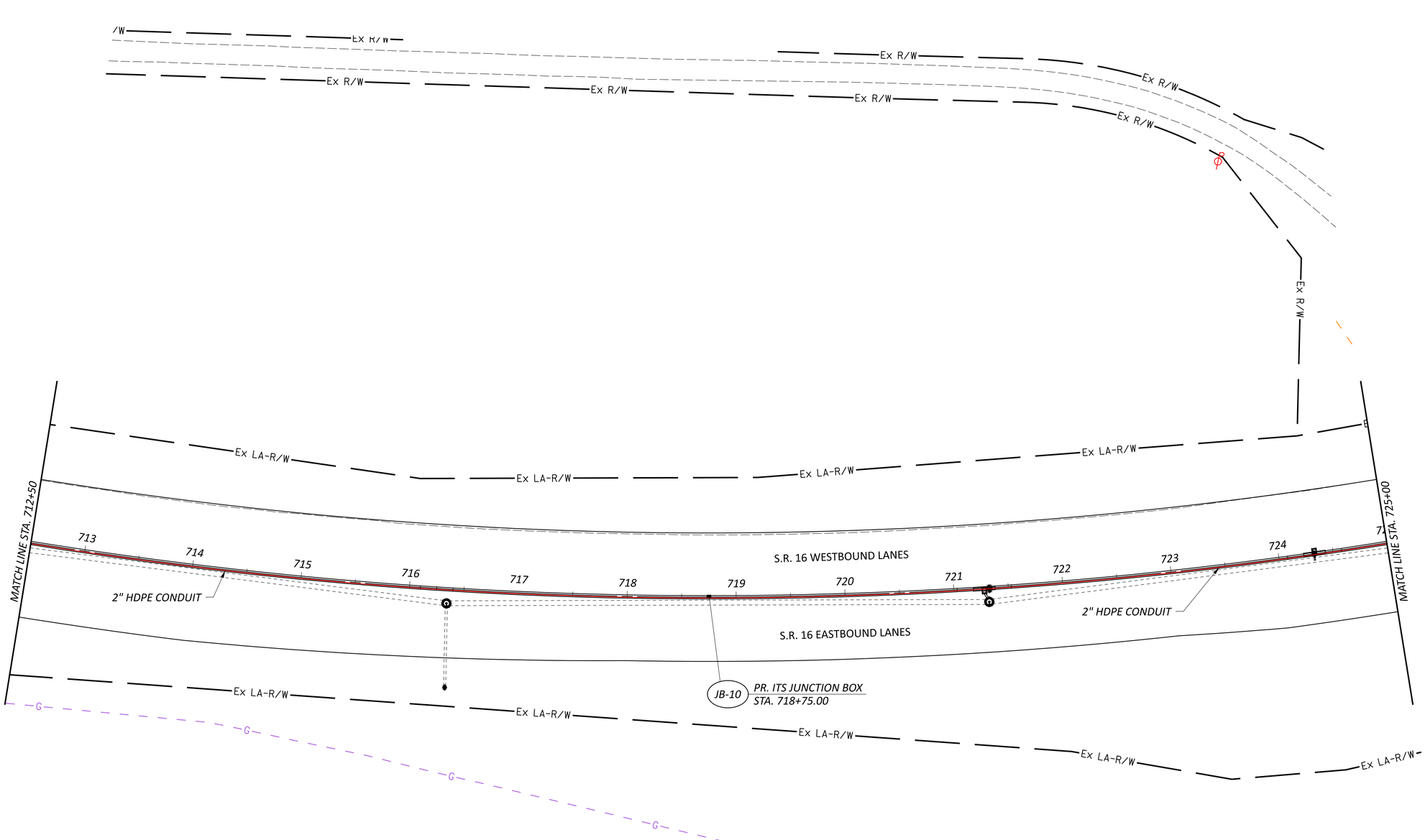
- ITS JUNCTION BOX
- CONDUIT , 2" DIAMETER, HDPE
- MICRO-DUCT PATHWAY (x 2), JACKED OR DRILLED
- (TB) 32" ITS PULL BOX W/ PAD, TYPE 2

HORIZONTAL SCALE IN FEET
0 25 50 100

TRAFFIC SUVEILLANCE PLAN
STA. 700+00.00 TO STA. 712+50.00

DESIGN AGENCY

DESIGNER	WAC
REVIEWER	BRH 09/05/25
PROJECT ID	95445
SHEET	P.771
TOTAL	895



LEGEND

- *ITS JUNCTION BOX*
- *CONDUIT , 2" DIAMETER, HDPE*
- *MICRO-DUCT PATHWAY (x 2), JACKED OR DRILLED*
- *32" ITS PULL BOX W/ PAD, TYPE 2*

HORIZONTAL SCALE IN FEET
0 25 50 100

TRAFFIC SUVEILLANCE PLAN
STA. 712+50.00 TO STA. 725+00.00

DESIGN AGENCY

DESIGNER WAC

REVIEWER BRH 09/05/25

PROJECT ID 95445

SHEET P.772 TOTAL 895

LIC-16/37-14.24/15.47

MODEL: CLP_37-16 - Plan 7 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 12/5/2025 TIME: 8:55:49 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: D5_Color_Utilities.tbl USER: Brian.Harlow@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 95445 PRODUCT: OpenRoadsDesigner 24.00.00.205
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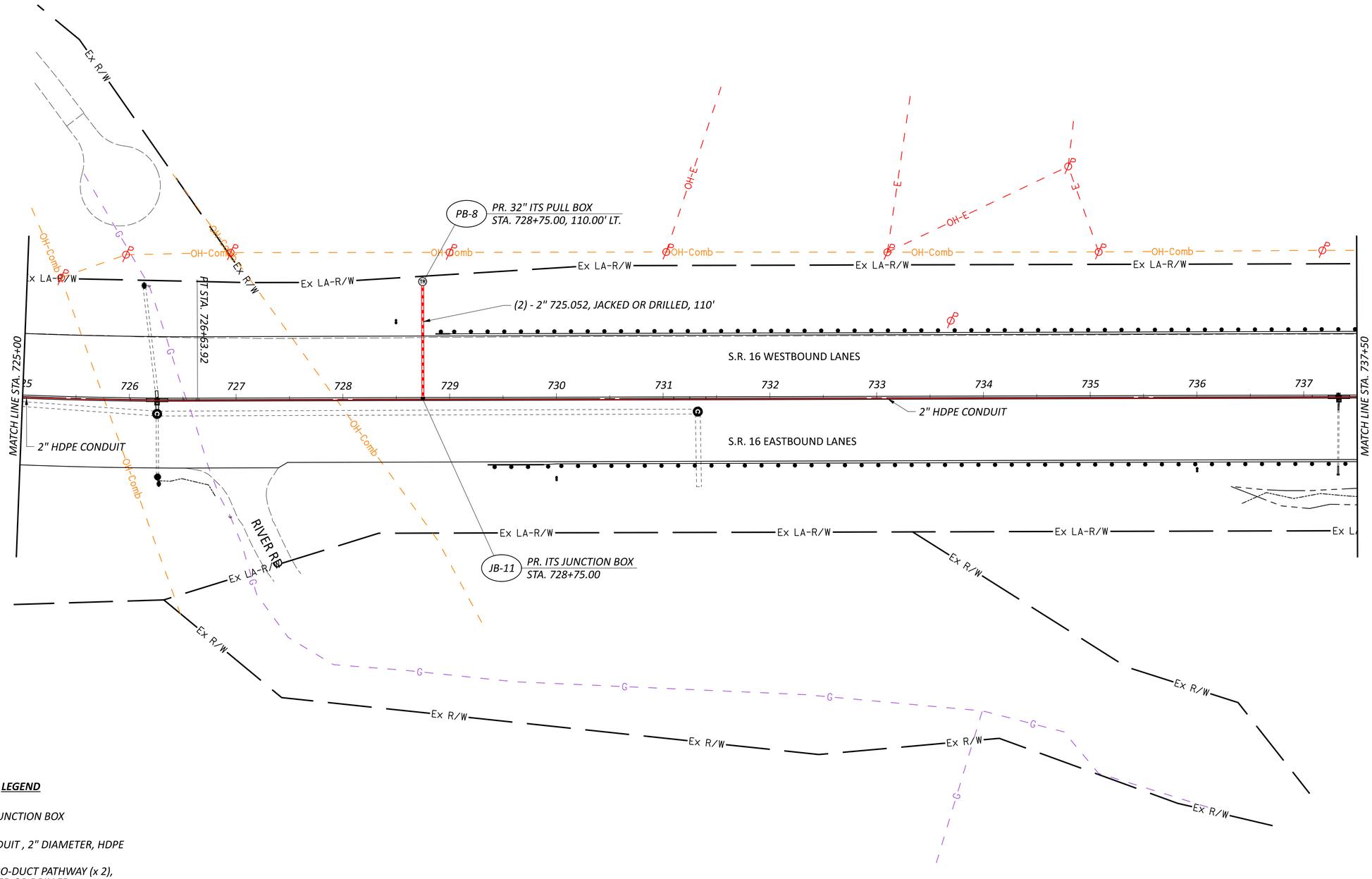
TRAFFIC SUVEILLANCE PLAN
STA. 725+00.00 TO STA. 737+50.00



LEGEND

- *ITS JUNCTION BOX*
- *CONDUIT , 2" DIAMETER, HDPE*
- *MICRO-DUCT PATHWAY (x 2), JACKED OR DRILLED*
- *32" ITS PULL BOX W/ PAD, TYPE 2*

HORIZONTAL SCALE IN FEET
0 25 50 100

DESIGN AGENCY

DESIGNER
WAC

REVIEWER
BRH 09/05/25

PROJECT ID
95445

SHEET P.773 | TOTAL 895

LIC-16/37-14.24/15.47

MODEL: CLP_37-16 - Plan 8 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 12/5/2025 TIME: 8:55:50 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: DS_Color_Utilities.tbl USER: Brian.Harlow@dot.ohio.gov WORKSPACE: OHDOTCivil02 WORKSET: 95445 PRODUCT: OpenRoadsDesigner 24.00.00.205
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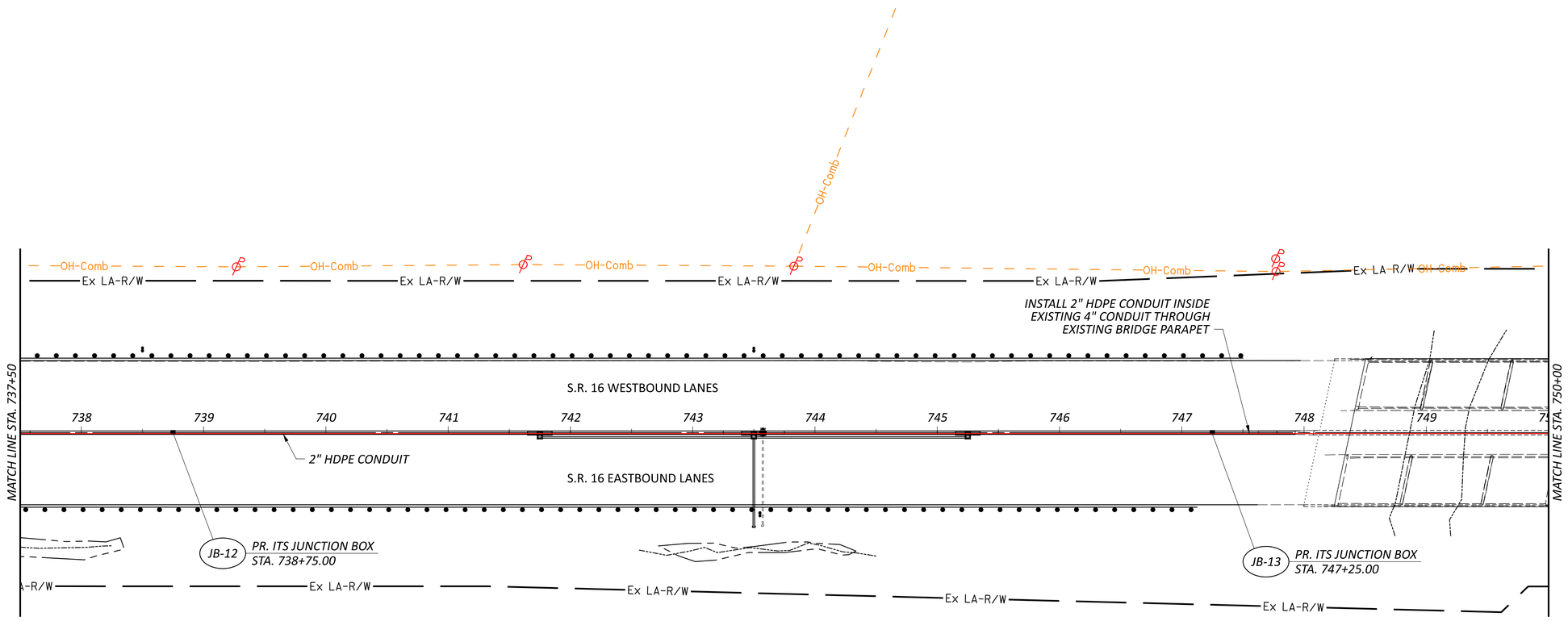

LEGEND

- *ITS JUNCTION BOX*
- *CONDUIT , 2" DIAMETER, HDPE*
- *MICRO-DUCT PATHWAY (x 2), JACKED OR DRILLED*
- *32" ITS PULL BOX W/ PAD, TYPE 2*

HORIZONTAL SCALE IN FEET
0 25 50 100

TRAFFIC SUVEILLANCE PLAN
STA. 737+50.00 TO STA. 750+00.00

DESIGN AGENCY

DESIGNER WAC

REVIEWER BRH 09/05/25

PROJECT ID 95445

SHEET P.774 TOTAL 895

LIC-16/37-14.24/15.47

MODEL: CLP_37-16 - Plan 9 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 12/5/2025 TIME: 8:55:50 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: DS_Color_Utilities.tbl USER: Brian.Harlow@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 95445 PRODUCT: OpenRoadsDesigner 24.00.00.205
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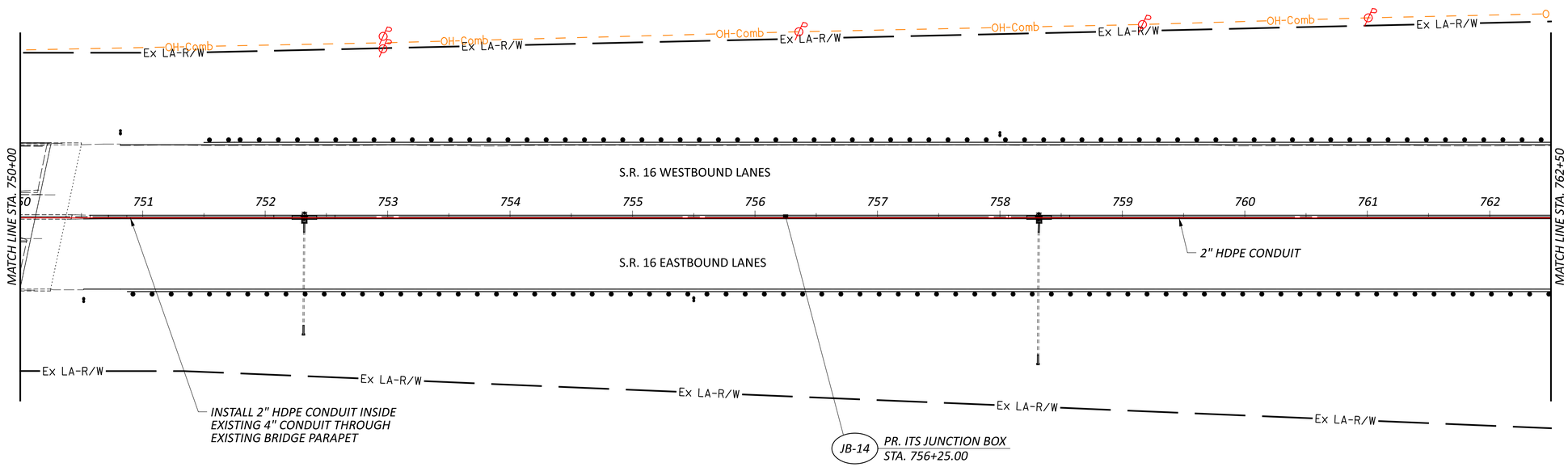


LEGEND

- ITS JUNCTION BOX
- CONDUIT , 2" DIAMETER, HDPE
- MICRO-DUCT PATHWAY (x 2), JACKED OR DRILLED
- 32" ITS PULL BOX W/ PAD, TYPE 2

HORIZONTAL SCALE IN FEET
0 25 50 100

TRAFFIC SUVEILLANCE PLAN
STA. 750+00.00 TO STA. 762+50.00

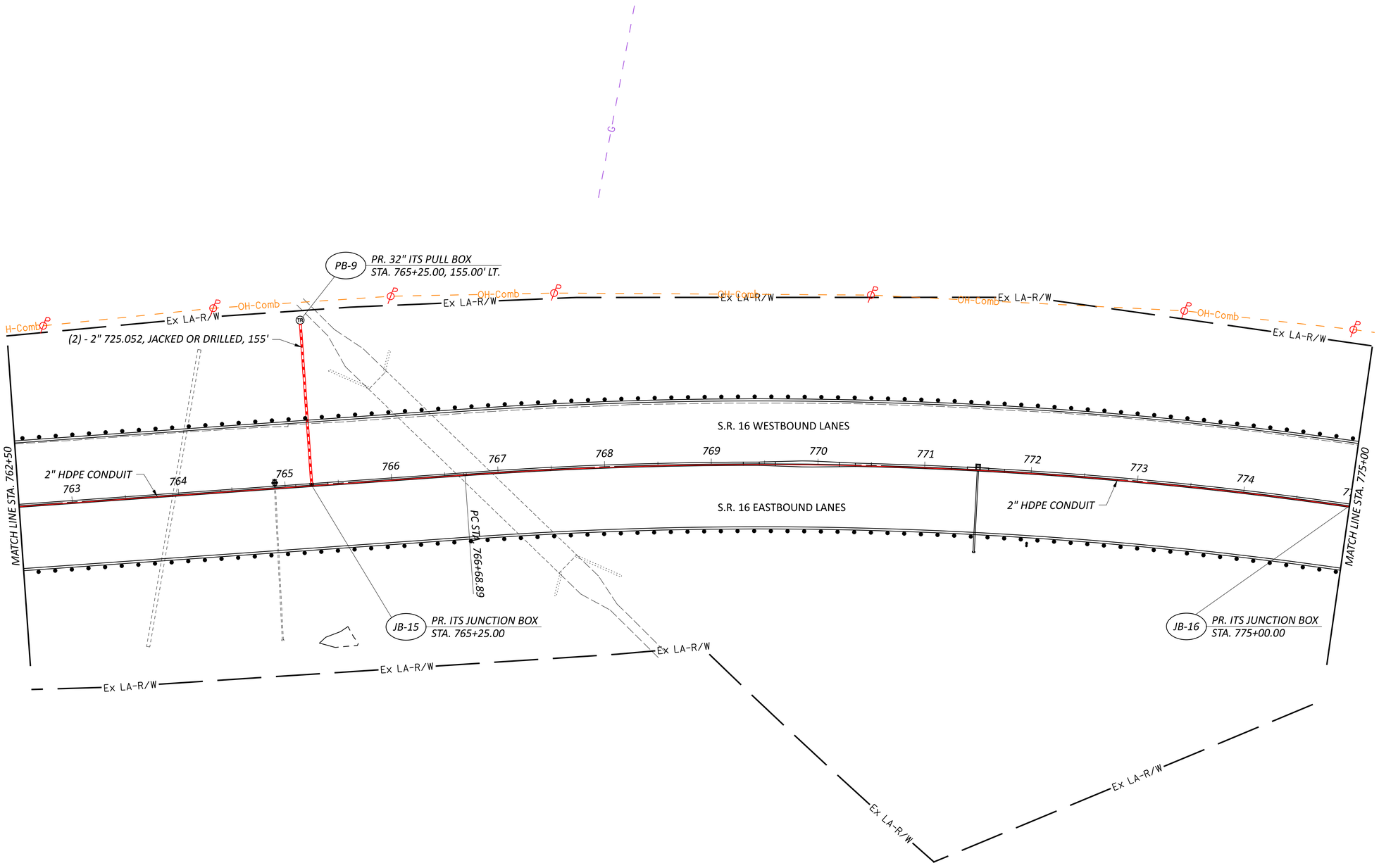
DESIGN AGENCY

DESIGNER WAC

REVIEWER BRH 09/05/25

PROJECT ID 95445

SHEET P.775 TOTAL 895



LEGEND

- *ITS JUNCTION BOX*
- *CONDUIT , 2" DIAMETER, HDPE*
- *MICRO-DUCT PATHWAY (x 2), JACKED OR DRILLED*
- *32" ITS PULL BOX W/ PAD, TYPE 2*

HORIZONTAL SCALE IN FEET
0 25 50 100

TRAFFIC SURVEILLANCE PLAN
STA. 762+50.00 TO STA. 775+00.00

DESIGN AGENCY

DESIGNER WAC
REVIEWER BRH 09/05/25
PROJECT ID 95445
SHEET P.776 TOTAL 895

LIC-16/37-14.24/15.47

MODEL: CLP_37-16 - Plan 11 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 12/5/2025 TIME: 8:55:51 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: DS_Color_Utilities.tbl USER: Brian.Harlow@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 95445 PRODUCT: OpenRoadsDesigner 24.00.00.205
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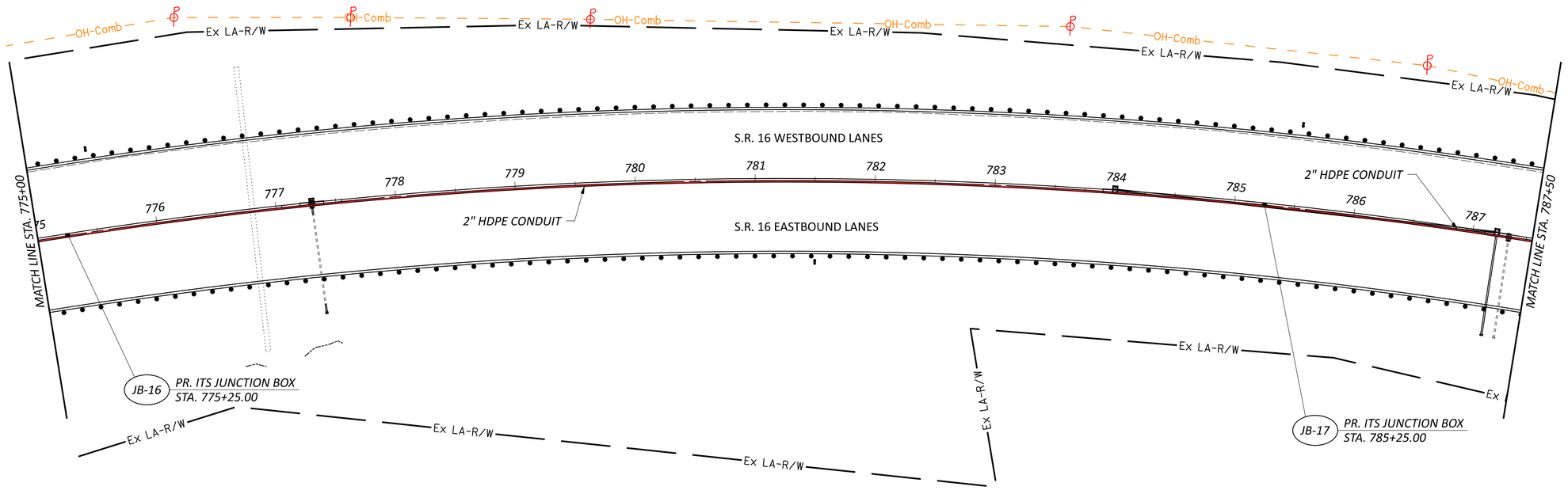

LEGEND

- *ITS JUNCTION BOX*
- *CONDUIT , 2" DIAMETER, HDPE*
- *MICRO-DUCT PATHWAY (x 2), JACKED OR DRILLED*
- *32" ITS PULL BOX W/ PAD, TYPE 2*

HORIZONTAL SCALE IN FEET
0 25 50 100

TRAFFIC SURVEILLANCE PLAN
STA. 775+00.00 TO STA. 787+50.00

DESIGN AGENCY

DESIGNER WAC

REVIEWER BRH 09/05/25

PROJECT ID 95445

SHEET P.777 TOTAL 895

LIC-16/37-14.24/15.47

MODEL: CLP_37-16 - Plan 12 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 12/5/2025 TIME: 8:55:51 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: DS_Color_Utilities.tbl USER: Brian.Harlow@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 95445 PRODUCT: OpenRoadsDesigner 24.00.00.205
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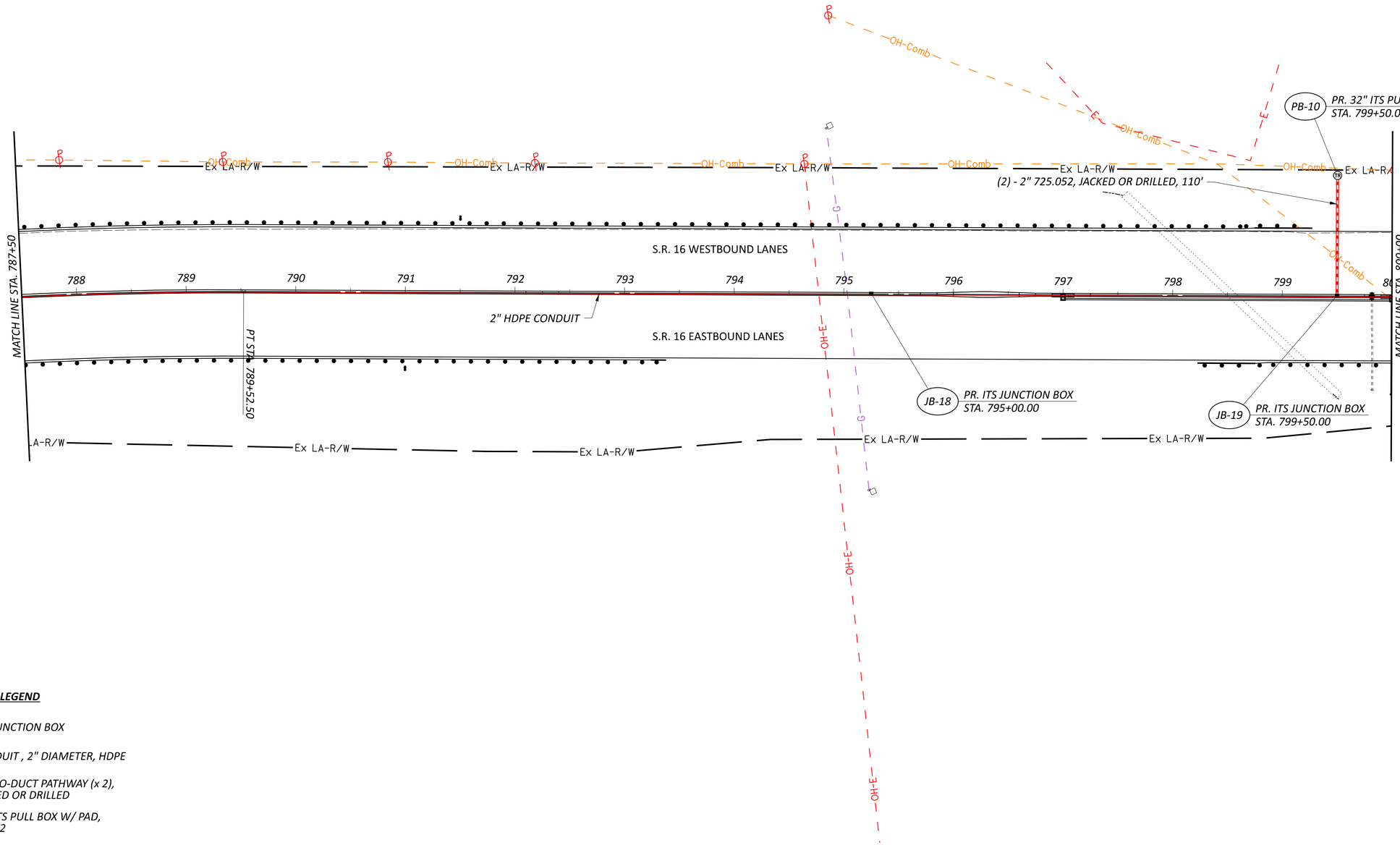
LIC-16/37-14.24/15.47



LEGEND

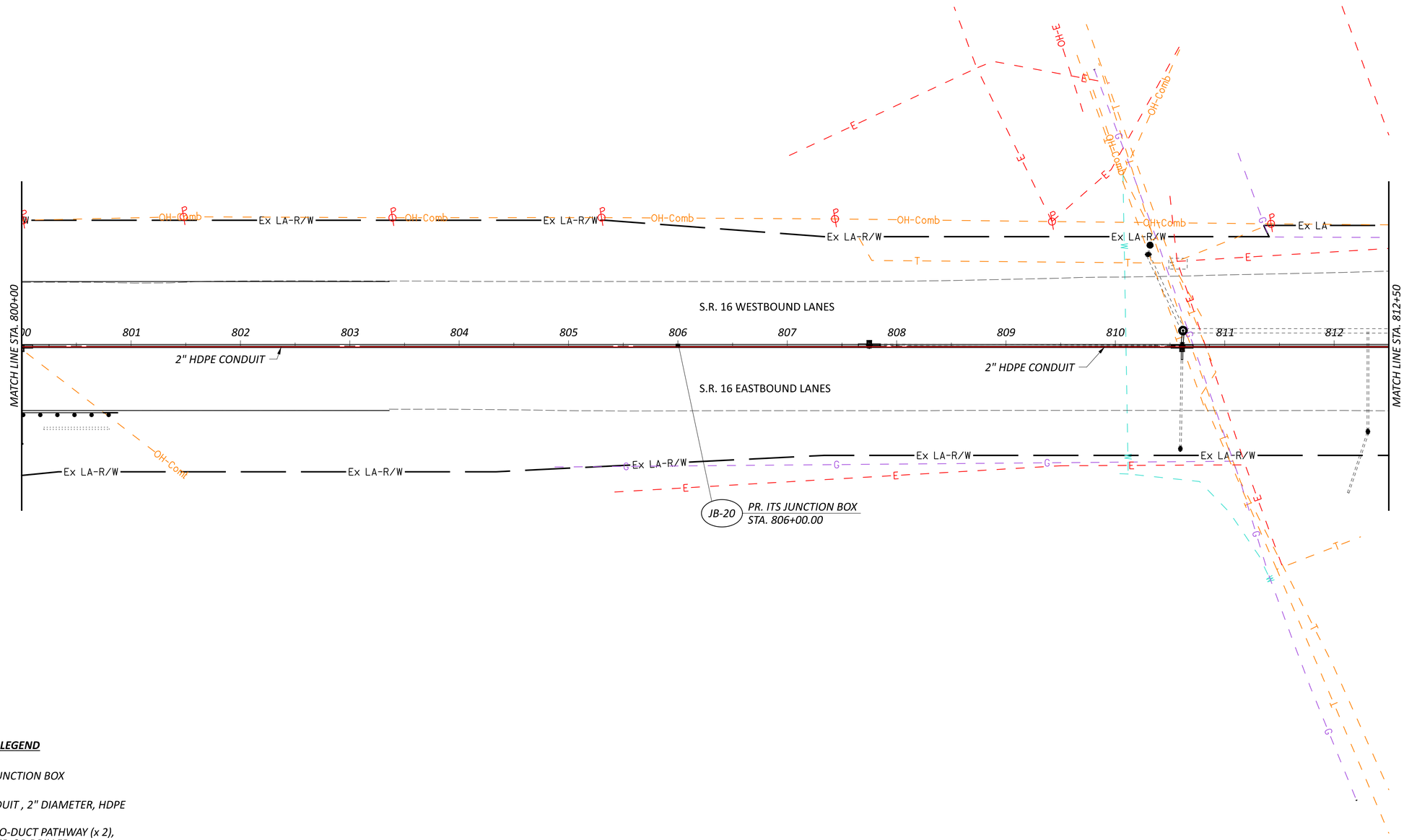
- *ITS JUNCTION BOX*
- *CONDUIT , 2" DIAMETER, HDPE*
- *MICRO-DUCT PATHWAY (x 2), JACKED OR DRILLED*
- *32" ITS PULL BOX W/ PAD, TYPE 2*

HORIZONTAL SCALE IN FEET
0 25 50 100

TRAFFIC SUVEILLANCE PLAN
STA. 787+50.00 TO STA. 800+00.00

DESIGN AGENCY

DESIGNER WAC
REVIEWER BRH 09/05/25
PROJECT ID 95445
SHEET P.778 TOTAL 895



LEGEND

- *ITS JUNCTION BOX*
- *CONDUIT , 2" DIAMETER, HDPE*
- *MICRO-DUCT PATHWAY (x 2), JACKED OR DRILLED*
- *32" ITS PULL BOX W/ PAD, TYPE 2*

HORIZONTAL SCALE IN FEET
0 25 50 100

TRAFFIC SUVEILLANCE PLAN
STA. 800+00.00 TO STA. 812+50.00

DESIGN AGENCY

DESIGNER WAC
REVIEWER BRH 09/05/25
PROJECT ID 95445
SHEET P.779 TOTAL 895

LIC-16/37-14.24/15.47

MODEL: CLP_37-16 - Plan 14 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 12/5/2025 TIME: 8:55:52 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: D5_Color_Utilities.tbl USER: Brian.Harlow@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 95445 PRODUCT: OpenRoadsDesigner 24.00.00.205
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EX-4 EX. ITS DMS PULL BOX
STA. 813+12.00, 91.87' LT.

(2) - 2" 725.052, JACKED OR DRILLED, 92'

JB-21 PR. ITS JUNCTION BOX
STA. 813+12.00

JB-22 PR. ITS JUNCTION BOX
STA. 822+00.00

MATCH LINE STA. 812+50

MATCH LINE STA. 825+00

PC STA. 820+72.97

S.R. 16 WESTBOUND LANES

S.R. 16 EASTBOUND LANES

2" HDPE CONDUIT

2" HDPE CONDUIT

2" HDPE CONDUIT

RAMP A

RAMP C

Ex LA

Ex LA-R/W

OH-Comb

OH-E

OH-T

SAN

G

E

T

813 814 815 816 817 818 819 820 821 822 823 824

LEGEND

- ITS JUNCTION BOX
- CONDUIT , 2" DIAMETER, HDPE
- MICRO-DUCT PATHWAY (x 2), JACKED OR DRILLED
- 32" ITS PULL BOX W/ PAD, TYPE 2

HORIZONTAL SCALE IN FEET
0 25 50 100

TRAFFIC SUVEILLANCE PLAN
STA. 812+50.00 TO STA. 825+00.00

DESIGN AGENCY

DESIGNER WAC

REVIEWER BRH 09/05/25

PROJECT ID 95445

SHEET P.780 TOTAL 895

LIC-16/37-14.24/15.47

MODEL: CLP_37-16 - Plan 15 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 12/5/2025 TIME: 8:55:52 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: DS_Color_Utilities.tbl USER: Brian.Harlow@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 95445 PRODUCT: OpenRoadsDesigner 24.00.00.205
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PB-13 PR. 32" ITS PULL BOX
STA. 831+05.00, 430.00' LT.

(1) - 2" 725.052, JACKED OR DRILLED, 14'

PB-12 PR. 32" ITS PULL BOX
STA. 831+05.00, 385.00' LT.

RAMP A

(1) - 2" HDPE CONDUIT, 312'

RAMP B

THORNWOOD CROSSING

PB-11 PR. 32" ITS PULL BOX
STA. 830+50.00, 70.00' LT.

(1) - 2" 725.052, JACKED OR DRILLED, 70'

MATCH LINE STA. 825+00

S.R. 16 WESTBOUND LANES

825 826 827 828 829 830 831 832 833 834 835 836 837

2" HDPE CONDUIT

S.R. 16 EASTBOUND LANES

RAMP C

RAMP D

Ex LA

Ex LA

JB-23 PR. ITS JUNCTION BOX
STA. 830+50.00

THORNWOOD CROSSING

LEGEND

- ITS JUNCTION BOX
- CONDUIT , 2" DIAMETER, HDPE
- MICRO-DUCT PATHWAY (x 2), JACKED OR DRILLED
- 32" ITS PULL BOX W/ PAD, TYPE 2

HORIZONTAL SCALE IN FEET
0 25 50 100

TRAFFIC SURVEILLANCE PLAN
STA. 825+00.00 TO STA. 837+50.00

DESIGN AGENCY

DESIGNER WAC

REVIEWER BRH 09/05/25

PROJECT ID 95445

SHEET P.781 TOTAL 895

LIC-16/37-14.24/15.47

MODEL: CLP_37-16 - Plan 16 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 12/5/2025 TIME: 8:55:52 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: D5_Color_Utilities.tbl USER: Brian.Harlow@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 95445 PRODUCT: OpenRoadsDesigner 24.00.00.205
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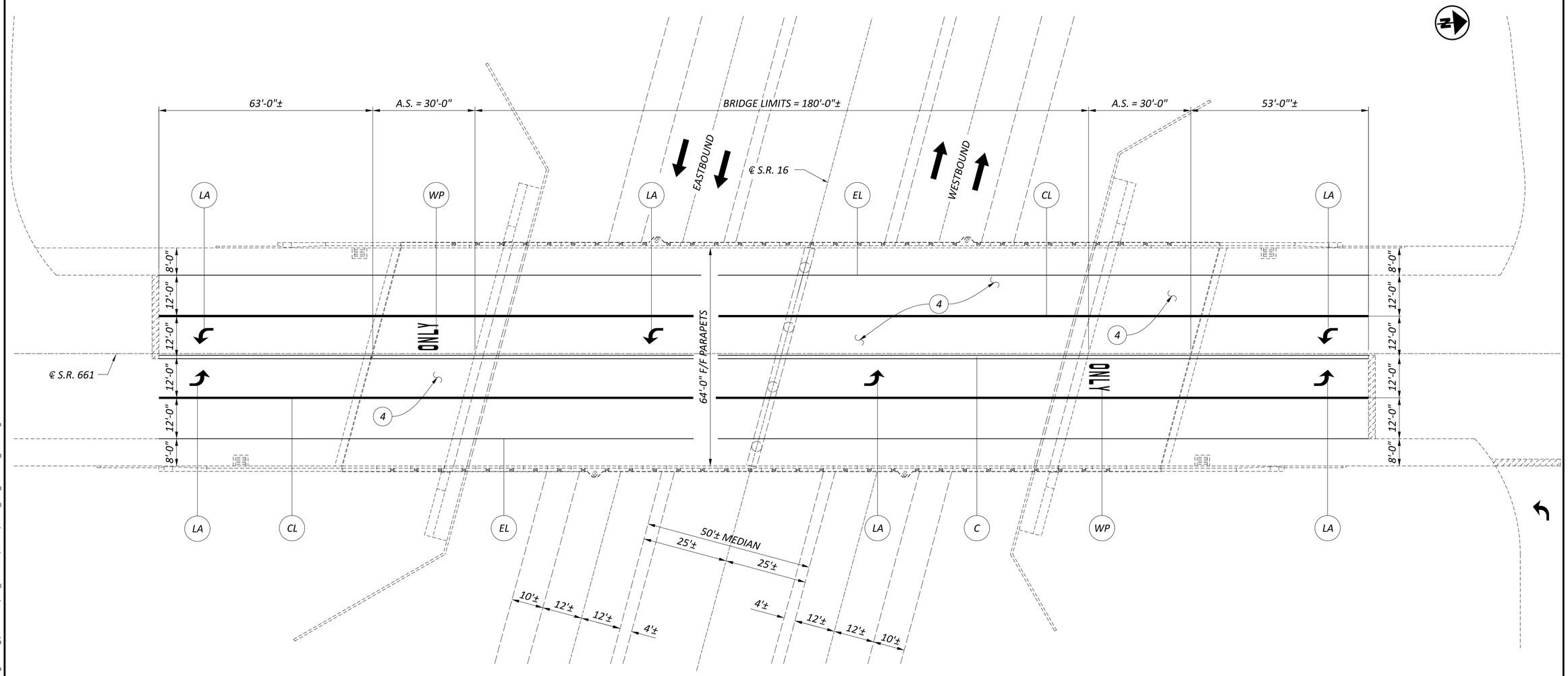

WORK TYPE LEGEND

1. ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN, SUBSTRUCTURE
2. ITEM 202 - REMOVAL MISC.: DETERIORATED DECK EDGES
3. ITEM 511 - CONCRETE, MISC.: CLASS QC2 WITH ACCELERATING ADMIXTURE, APPROACH SLAB AND BACKWALL REPAIR
4. **ITEM 512 - SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN**
5. ITEM 516 - 2" DEEP JOINT SEALER, AS PER PLAN (A)
6. ITEM 516 - STRUCTURAL JOINT OR JOINT SEALER, MISC.: 3" BEJS EMSEAL
7. ITEM 519 - PATCHING BRIDGE DECKS, TYPE B

PAVEMENT MARKING LEGEND

- EL — **ITEM 646 - EDGE LINE, 6"**
- LL — **ITEM 646 - LANE LINE, 6"**
- C — **ITEM 646 - CENTERLINE, 6"**
- CL — **ITEM 646 - CHANNELIZING LINE, 8"**
- LA — **ITEM 646 - LANE ARROW**
- WP — **ITEM 646 - WORD ON PAVEMENT, 72"**

EXISTING STRUCTURE (SFN: 4506333)

TYPE: CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK, SEMI-INTERGRAL ABUTMENTS AND CAP AND COLUMN PIER.
SPANS: 91'-7", 86'-3"
ROADWAY: 80'-0" T/T PARAPET
LOAD FREQUENCY: HL-93
SKEW: $4^{33}/_{64}$-00'-00" LEFT FORWARD
WEARING SURFACE: 1" MONOLITHIC CONCRETE
APPROACH SLABS: 30 FEET LONG (AS-1-81)
ALIGNMENT: TANGENT
CROWN: 0.0156 FT/FT

BRIDGE PLAN
BRIDGE NO.: LIC-661-0.034
OVER S.R. 16

SFN	4506333
DESIGN AGENCY	
DESIGNER	TAG
CHECKER	JKS
REVIEWER	TAG 09/15/25
PROJECT ID	95445
SUBSET	0
TOTAL	0
SHEET	P.848
TOTAL	895

LIC-16/37-14.24/15.47

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 12/4/2025 TIME: 10:27:53 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Brian.Harlow@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 95445 PRODUCT: OpenRoadsDesigner 24.00.00.205
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