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GENERAL SUMMARY

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PROJECT SITE PLAN

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PLAN AND PROFILE - RAMP HA

PLAN AND PROFILE - RAMP HB

MCKINLEY AVENUE INTERCHANGE

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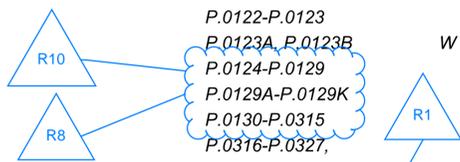
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PLAN AND PROFILE - RAMP W13

PLAN AND PROFILE - RAMP W14



DESIGN DESIGNATION

BEGIN MILE POST	END MILE POST	CURRENT ADT (2027)	DESIGN YEAR ADT (2047)	DESIGN HOURLY	DIRECTIONAL DISTRIBUTION	TRUCKS (24 HOUR B&C)
5.769	7.099	85,500	88,800	9,800	85%	7%
7.099	8.385	112,000	141,000	13,400	70%	3%
8.385	9.420	102,000	107,500	9,700	70%	6%
9.671	10.424	119,000	132,000	13,200	70%	6%
9.420	9.671	109,000	135,000	13,500	70%	5%
10.424	11.146	127,000	138,000	16,600	70%	6%
11.146	12.271	114,000	125,000	15,000	70%	6%
12.271	13.285	139,000	156,300	18,800	70%	6%
13.285	13.621	125,000	143,000	17,200	70%	6%
13.621	14.510	139,000	155,700	20,200	90%	6%
14.510	14.914	30,500	41,000	5,300	100%	8%

STANDARD CONSTRUCTION DRAWINGS

SUPPLEMENTAL SPECIFICATIONS

SPECIAL PROVISIONS

Sheet	Date	Description	Author	Check	Scale	Notes	Sheet	Date	Description	Author	Check	Scale	Notes	Sheet	Date	Description	Author	Check	Scale	Notes			
BP-2.1	1/21/22	DM-2.1	1/18/13	MGS-6.1	1/19/18	AS-1-15	1/20/23	HL-30.22	1/15/21	MT-95.71	7/21/23	MT-101.80	1/17/20	TC-41.20	10/18/13	TC-72.20	7/21/23			800	1/19/24	866	4/21/17
BP-2.2	1/15/21	DM-4.1	7/17/20			AS-2-15	7/21/23	HL-30.31	1/19/24	MT-95.72	7/21/23	MT-101.90	7/17/20	TC-41.30	4/21/23	TC-73.20	7/21/23			807	1/21/22	873	4/16/21
BP-2.4	7/19/13			MH-1	7/15/22	EXJ-4-87	1/19/24	HL-30.41	1/21/22	MT-95.73	7/21/23	MT-102.10	7/21/23	TC-41.40	10/18/13	TC-74.10	7/21/23			808	1/18/19	878	1/21/22
BP-3.1	1/19/24	I-2	7/16/21	MH-2	7/16/21	GSD-1-19	1/19/24	HL-40.20	1/19/24	ITS-14.10	4/21/23	MT-95.82	7/19/13	MT-102.20	4/19/19	TC-41.41	7/19/19	TC-81.22	7/21/23	809	1/19/24	896	7/21/17
BP-5.1	7/15/22	I-2A	7/16/21	MH-4	7/16/21	PCB-91	7/17/20	HL-50.21	7/15/22	ITS-14.11	1/19/24	MT-97.10	4/19/19	MT-102.30	10/16/15	TC-41.50	10/18/13	TC-82.10	7/19/19	816	10/18/19	904	7/15/22
BP-6.1	7/19/13	I-3B, 3B1	7/15/22	MH-5	7/16/21	RB-1-55	7/16/21	HL-60.11	7/21/17	ITS-14.50	1/19/24	MT-97.12	1/20/17	MT-103.10	1/21/22	TC-42.10	10/18/13	TC-83.10	1/17/20	821	4/20/12	907	10/18/19
BP-7.1	1/19/24	I-3D	7/15/22			SBR-1-20	7/21/23	HL-60.31	7/21/23	ITS-14.60	1/19/24	MT-98.10	1/17/20	MT-104.10	1/19/24	TC-42.20	10/18/13	TC-83.20	1/19/24	829	1/20/17	908	10/20/17
BP-9.1	1/18/19			RM-3.1	7/20/18	SBR-2-20	7/21/23			MT-98.11	1/17/20	MT-105.10	1/17/20	TC-51.11	1/15/16	TC-84.20	1/19/24			832	7/21/23	909	1/19/24
CB-1	7/16/21	F-1.1	7/19/13	RM-4.1	1/17/20	SICD-1-21	1/19/24			MT-98.22	1/17/20	MT-110.10	7/19/13	TC-51.12	1/15/16	TC-85.10	1/19/24			840	7/21/23	921	4/20/12
CB-2-3, 2-4	1/20/23	F-3.1	7/19/13	RM-4.2	4/17/20	SICD-2-14	1/15/21			MT-98.28	1/17/20			TC-52.10	10/18/13	TC-85.20	4/21/23			848	1/15/21	929	7/21/23
CB-2-2A, 2B, 2C	1/20/23	F-3.3	7/19/13	RM-4.3	1/21/22	VPF-1-90	7/21/23			MT-95.30	7/19/19	MT-98.29	1/17/20	TC-12.31	4/15/22	TC-52.20	1/15/21			850	7/21/23	996	7/21/23
CB-2-3, 2-4	1/20/23	F-3.4	7/19/13	RM-4.4	7/21/23					MT-95.31	7/19/19	MT-98.30	7/16/21	TC-15.116	1/19/24	TC-61.10	4/21/23						
CB-3	7/16/21			RM-4.5	7/21/17	HL-10.11	7/21/23			MT-95.32	4/19/19	MT-99.20	4/19/19	TC-21.11	7/16/21	TC-61.30	7/19/19						
CB-3A	7/16/21	MGS-1.1	7/16/21	RM-4.6	7/19/13	HL-10.12	7/21/23			MT-95.40	7/21/23	MT-99.30	1/17/20	TC-21.21	1/20/23	TC-64.10	7/21/23						
CB-4	7/16/21	MGS-2.1	1/19/18	RM-5.2	7/21/23	HL-10.13	1/20/23			MT-95.41	7/21/23	MT-99.50	7/21/23	TC-21.50	4/17/20	TC-65.10	1/17/14						
CB-5	7/16/21	MGS-3.1	1/19/18			HL-20.11	7/21/23			MT-95.45	7/21/23	MT-100.00	1/19/24	TC-22.10	4/21/23	TC-65.11	1/19/24						
DM-1.1	7/17/20	MGS-3.2	1/18/13			HL-20.13	7/21/23			MT-95.70	7/21/23	MT-101.60	4/21/23	TC-41.10	7/19/13	TC-71.10	4/21/23						
DM-1.2	7/16/21	MGS-4.2	7/19/13			HL-30.11	7/21/23			MT-101.70	4/21/23												
DM-1.2	7/16/21	MGS-5.3	7/15/16			HL-30.21	4/17/20																

DESIGN AGENCY

STRUCTUREPOINT

DESIGNER

BER

REVIEWER

VDK 08/09/23

PROJECT ID

76779

SHEET TOTAL

P.0002 | P.1587

INDEX OF SHEETS / DESIGN DESIGNATION

SEQUENCE OF CONSTRUCTION

FOR TEMPORARY DRAINAGE, SEE MOT PLANS AND DRAINAGE DETAILS

PHASE 1

TRAFFIC:

- 1. TRAFFIC LOCATED ON ITS EXISTING PATTERN EXCEPT AS SHOWN IN THE PLANS CONSTRUCTION:

- 1. FOUR CROSSOVERS. FIRST WEST OF LAKEVIEW AVE, SECOND WEST OF WOOSTER RD, THIRD WEST OF ALGER RD, AND FOURTH EAST OF W 85TH ST
- 2. TEMPORARY PAVEMENT ON THE OUTSIDE OF RAMP HA
- 3. FASCIA BEAM REPAIR AT WOOSTER ROAD STRUCTURE CUY-00020-08.470

WINTER PHASE 1

- 1. ALL LANES ARE OPEN AND RESTORED TO THEIR PRE-CONSTRUCTION LOCATION EXCEPT AS DEPICTED. ALL LANE CLOSURES SHALL BE IN ACCORDANCE WITH THE ODOT DISTRICT 12 PLCS. NO LANE CLOSURES WILL BE PERMITTED WHEN SNOW OR ICE IS FORECASTED. TEMPORARY TRAFFIC CONTROL DEVICES FOR SHORT-TERM LANE CLOSURES WILL BE REQUIRED TO BE DEMOBILIZED FROM THE SITE AT THE END OF EACH SHIFT UNLESS APPROVED TO REMAIN BY THE ENGINEER.
- 2. CROSSOVERS SHALL BE PROTECTED USING PORTABLE BARRIER
- 3. CONSTRUCT DRAINAGE OUTFALLS B, C, D & M AS DESCRIBED ON P.0063

PHASE 2 STEP A

TRAFFIC:

- 1. ALL RAMPS ARE OPEN EXCEPT RAMP W13
- 2. ONE EASTBOUND LANE IS CLOSED FROM HILLIARD BLVD TO THE WARREN RD ENTRANCE RAMP.
- 3. SHIFT IR 90 WESTBOUND LANES TO OUTSIDE OF IR 90 WESTBOUND SIDE BETWEEN WEST OF LAKEVIEW AVE AND EAST OF W 85TH ST UTILIZING EXISTING SHOULDER
- 4. CROSSOVER INSIDE IR 90 EASTBOUND LANE TO INSIDE OF IR 90 WESTBOUND SIDE WEST OF LAKEVIEW AVE
- 5. CROSSOVER INSIDE IR 90 EASTBOUND LANE TO INSIDE OF IR 90 WESTBOUND SIDE WEST OF ALGER RD
- 6. CROSSOVER TWO INSIDE IR 90 EASTBOUND LANES BACK TO IR 90 EASTBOUND SIDE EAST OF W 85TH ST
- 7. SHIFT TWO OUTSIDE IR 90 EASTBOUND LANES TO OUTSIDE OF IR 90 EASTBOUND SIDE BETWEEN WEST OF LAKEVIEW AVE AND EAST OF W 85TH ST

CONSTRUCTION:

- 1. INSIDE PORTION OF IR 90 EASTBOUND SIDE BETWEEN EAST OF LAKEVIEW AVE AND WEST OF WEST BLVD UP TO INTERMEDIATE COURSE
- 2. RAMP W13 AND ADJACENT TRUNK SEWER
- 3. OUTFALL E AS DESCRIBED ON SHEET P.0063

PHASE 2 STEP B (WILL BE COMPLETED DURING NIGHTTIMES AND WEEKENDS)

TRAFFIC:

- 1. TRAFFIC PATTERN FOR IR 90 EASTBOUND AND WESTBOUND SIDES REMAINS UNCHANGED
- 2. CLOSE CROSSOVER LANE THAT LOCATED WEST OF ALGER RD

CONSTRUCTION:

- 1. REMAINING INSIDE PORTION OF IR 90 EASTBOUND SIDE AT THE SECOND CROSSOVER LOCATION UP TO INTERMEDIATE COURSE

STEPS SEQUENCE DURING PHASE 2:

- STEP B CAN BE COMPLETED ANYTIME DURING STEP A

PHASE 3 STEP A

TRAFFIC:

- 1. ALL RAMPS ARE OPEN EXCEPT SHORT-TERM CLOSURE OF RAMP HA
- 2. TRAFFIC PATTERN FOR IR 90 WESTBOUND SIDE REMAINS UNCHANGED
- 3. SHIFT TWO OUTSIDE IR 90 EASTBOUND LANES TO INSIDE OF IR 90 EASTBOUND SIDE BETWEEN WEST OF LAKEVIEW AVE AND EAST OF W 85TH ST
- 4. SHIFT RAMP HA TRAFFIC TO OUTSIDE OF ITS PAVEMENT

CONSTRUCTION:

- 1. OUTSIDE PORTION OF IR 90 EASTBOUND SIDE BETWEEN EAST OF LAKEVIEW AVE AND WEST OF WEST BLVD UP TO INTERMEDIATE COURSE
- 2. INSIDE PORTION OF RAMP HA
- 3. DRAINAGE IN FRONT OF WOOSTER ROAD REAR ABUTMENT
- 4. INSTALL TEMPORARY PAVEMENT MARKINGS IN PERMANENT LOCATION

PHASE 3 STEP B

TRAFFIC:

- 1. TRAFFIC PATTERN FOR IR 90 EASTBOUND AND WESTBOUND SIDES REMAINS UNCHANGED
- 2. RAMPS MD, W2A, 117-8, 117-7, AND ME ARE CLOSED
- 3. SHIFT RAMP HA TRAFFIC TO INSIDE OF ITS PAVEMENT

CONSTRUCTION:

- 1. RAMPS MD, W2A, 117-8, 117-7, AND ME
- 2. OUTSIDE PORTION OF RAMP HA

PHASE 3 STEP C

TRAFFIC:

- 1. TRAFFIC PATTERN FOR IR 90 EASTBOUND AND WESTBOUND SIDES REMAIN UNCHANGED
- 2. RAMPS ME, W2, 140-4, 117-9, AND W14 ARE CLOSED

CONSTRUCTION:

- 1. RAMPS ME, W2, 140-4, 117-9, AND W14

STEPS SEQUENCE DURING PHASE 3:

- STEP B CAN BE COMPLETED ANYTIME DURING STEP A
- STEP B MUST BE COMPLETED BEFORE STEP C BEGINS
- STEP C MUST BE COMPLETED AS THE LAST PART OF STEP A

RAMP CONSTRUCTION SEQUENCE DURING PHASE 3:

- RAMPS ME AND W2 MUST BE DONE AS THE LAST PART OF PHASE 3

WINTER PHASE 2

- 1. THE EASTBOUND LANE THAT WAS CLOSED IN PHASE 2 STEP A IS OPEN
- 2. ALL LANES ARE OPEN AND RESTORED TO THEIR PRE-CONSTRUCTION LOCATION
- 3. CROSSOVERS SHALL BE PROTECTED USING PORTABLE BARRIER

PHASE 4 STEP A

TRAFFIC:

- 1. ALL RAMPS ARE OPEN
- 2. ONE EASTBOUND LANE IS CLOSED FROM HILLIARD BLVD TO THE WARREN RD ENTRANCE RAMP.
- 3. PATTERN REMAINS UNCHANGED FOR THE TWO OUTSIDE IR 90 WESTBOUND LANES
- 4. CROSSOVER INSIDE IR 90 WESTBOUND LANE TO INSIDE OF IR 90 EASTBOUND SIDE WEST OF LAKEVIEW AVE
- 5. SHIFT IR 90 EASTBOUND LANES TO OUTSIDE OF IR 90 EASTBOUND SIDE BETWEEN WEST OF LAKEVIEW AVE AND EAST OF W 85TH ST
- 6. CROSSOVER INSIDE IR 90 WESTBOUND LANE TO INSIDE OF IR 90 EASTBOUND SIDE WEST OF ALGER RD
- 7. CROSSOVER TWO INSIDE IR 90 WESTBOUND LANES BACK TO IR 90 WESTBOUND SIDE EAST OF W 85TH ST

CONSTRUCTION:

- 1. INSIDE PORTION OF IR 90 WESTBOUND SIDE BETWEEN EAST OF LAKEVIEW AVE AND WEST OF W 85TH ST UP TO INTERMEDIATE COURSE

PHASE 4 STEP B (WILL BE COMPLETED DURING NIGHT TIMES AND WEEKENDS)

TRAFFIC:

- 1. TRAFFIC PATTERN FOR IR 90 EASTBOUND AND WESTBOUND SIDES REMAIN UNCHANGED
- 2. CLOSE CROSSOVER LANE LOCATED WEST OF WOOSTER RD

CONSTRUCTION:

- 1. REMAINING INSIDE PORTION OF IR 90 WESTBOUND SIDE AT CROSSOVER LOCATION WEST OF WOOSTER RD UP TO INTERMEDIATE COURSE

STEPS SEQUENCE DURING PHASE 4:

- STEP B CAN BE COMPLETED ANYTIME DURING STEP A

PHASE 5 STEP A

TRAFFIC:

- 1. ALL RAMPS ARE OPEN
- 2. TRAFFIC PATTERN FOR IR 90 EASTBOUND SIDE REMAINS UNCHANGED
- 3. SHIFT TWO OUTSIDE IR 90 WESTBOUND LANES TO INSIDE OF IR 90 WESTBOUND SIDE BETWEEN WEST OF LAKEVIEW AVE AND EAST OF W 85TH ST
- 4. SHIFT RAMP HB TRAFFIC TO OUTSIDE OF ITS PAVEMENT

CONSTRUCTION:

- 1. OUTSIDE PORTION OF IR 90 WESTBOUND SIDE BETWEEN EAST OF LAKEVIEW AVE AND WEST OF W 85TH ST UP TO INTERMEDIATE COURSE
- 2. INSIDE PORTION OF RAMP HB AND RAMP 117-12

PHASE 5 STEP B

TRAFFIC:

- 1. TRAFFIC PATTERN FOR IR 90 EASTBOUND AND WESTBOUND SIDES REMAINS UNCHANGED
- 2. RAMPS MC, W1A, 117-5, AND 117-11 ARE CLOSED
- 3. SHIFT RAMP HB TRAFFIC TO INSIDE OF ITS PAVEMENT

CONSTRUCTION:

- 1. RAMPS MC, W1A, 117-5, AND 117-11
- 2. OUTSIDE PORTION OF RAMP HB AND RAMP 117-12

PHASE 5 STEP C

TRAFFIC:

- 1. TRAFFIC PATTERN FOR IR 90 EASTBOUND AND WESTBOUND SIDES REMAINS UNCHANGED
- 2. RAMPS MF, W1, 140-3, AND W13 ARE CLOSED

CONSTRUCTION:

- 1. RAMPS MF, W1, 140-3, AND W13 CONNECTION

STEPS SEQUENCE DURING PHASE 5:

- STEP B CAN BE COMPLETED ANYTIME DURING STEP A
- STEP B MUST BE COMPLETED BEFORE STEP C BEGINS
- STEP C MUST BE COMPLETED AS THE LAST PART OF STEP A

RAMP CONSTRUCTION SEQUENCE DURING PHASE 5:

- RAMPS MF AND W1 MUST BE DONE AS THE LAST PART OF PHASE 5

MOT DRAINAGE CURB REMOVAL

THE CONTRACTOR SHALL REMOVE THE EXISTING OUTSIDE CURB WHERE NECESSARY TO FACILITATE DRAINAGE DURING MOT. ALL WORK SHALL BE IN ACCORDANCE WITH C&MS 202 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS. PAYMENT FOR THE ABOVE WORK SHALL BE INCLUDED AT THE UNIT PRICE BID FOR ITEM 202, CURB REMOVAL.

THE FOLLOWING IS A LIST OF LOCATIONS WHERE THE CONTRACTOR IS TO REMOVE THE EXISTING OUTSIDE CURB FOR MOT PHASES 1 AND 2:

REMOVE CURB LOCATIONS (MOT PHASES 1 & 2)					
BEGIN STATION	BEGIN ALIGNMENT	END STATION	END ALIGNMENT	SIDE	NOTES
529+00	CUY-90 EB	539+85	CUY-90 EB	RT	
529+00	CUY-90 WB	535+85	CUY-90 WB	LT	CONTRACTOR TO PROVIDE PROTECTION AT CURB BLUNT END
537+15	CUY-90 WB	542+67	CUY-90 WB	LT	CONTRACTOR TO PROVIDE PROTECTION AT CURB BLUNT END
547+00	CUY-90 WB	574+25	CUY-90 WB	LT	CONTRACTOR TO PROVIDE PROTECTION AT CURB BLUNT END
583+10	CUY-90 EB	587+92	CUY-90 EB	RT	GUARDRAIL TO REMAIN IN PLACE TO HELP PROVIDE PROTECTION FOR BLUNT END
590+70	CUY-90 EB	601+75	CUY-90 EB	RT	GUARDRAIL TO REMAIN IN PLACE TO HELP PROVIDE PROTECTION FOR BLUNT END
602+15	CUY-90 WB	612+85	CUY-90 WB	LT	CONTRACTOR TO PROVIDE PROTECTION AT CURB BLUNT END
602+50	CUY-90 EB	609+63	CUY-90 EB	RT	
5+95	RAMP "ME"	614+60	CUY-90 EB	RT	GUARDRAIL TO REMAIN IN PLACE TO HELP PROVIDE PROTECTION FOR BLUNT END
615+00	CUY-90 WB	617+00	CUY-90 WB	LT	CONTRACTOR TO PROVIDE PROTECTION AT CURB BLUNT END
60+50	RAMP "W2A"	66+50	RAMP "W2A"	RT	ADD TEMP SWALE FROM 60+50 TO 61+50 TO DRAIN TO EX DITCH INLET CONTRACTOR TO PROVIDE TO PROTECTION AT CURB BLUNT END
698+75	CUY-90 WB	714+25	CUY-90 WB	LT	CONTRACTOR TO PROVIDE PROTECTION AT CURB BLUNT END
724+00	CUY-90 EB	730+50	CUY-90 EB	RT	
735+50	CUY-90 EB	739+88	CUY-90 EB	RT	TEMP GRADING TO DRAIN INTO DITCH TO WEST/EX DITCH INLET AT LOW POINT
736+00	CUY-90 WB	743+75	CUY-90 WB	LT	
765+50	CUY-90 WB	770+50	CUY-90 WB	LT	

WINTER PHASE 3

- 1. THE EASTBOUND LANE THAT WAS CLOSED IN PHASE 4 STEP A IS OPEN
- 2. ALL LANES ARE OPEN AND RESTORED TO THEIR PRE-CONSTRUCTION LOCATION
- 3. CROSSOVERS SHALL BE PROTECTED USING PORTABLE BARRIER

PHASE 6

TRAFFIC:

- 1. ALL RAMPS ARE OPEN
- 2. TRAFFIC PATTERN FOR IR 90 EASTBOUND AND WESTBOUND IS IN ITS PERMANENT LOCATION
- 3. SHOULDER CLOSURE PER SCD MT-95.45

CONSTRUCTION:

- 1. MEDIAN BARRIER AT FIRST CROSSOVER WEST OF LAKEVIEW AVE
- 2. MEDIAN BARRIER AT SECOND CROSSOVER WEST OF WOOSTER RD
- 3. MEDIAN BARRIER AND TEMPORARY PAVEMENT REMOVAL AT THIRD CROSSOVER WEST OF ALGER RD
- 4. INSTALL SURFACE COURSE BETWEEN WEST END OF THE PROJECT AND EAST END OF PROJECT
- 5. INSTALL TEMPORARY AND SUBSEQUENTLY PERMANENT PAVEMENT MARKINGS IN PERMANENT LOCATION

MOT DRAINAGE TEMPORARY FILTER SOCK, FILTER FENCE, OR TEMPORARY STORAGE DITCHES

THE CONTRACTOR SHALL INSTALL TEMPORARY FILTER SOCK, FILTER FENCE, OR TEMPORARY STORAGE DITCHES BEHIND THE CURB TO SLOW THE SURFACE RUNOFF FROM THE SLOPE, OVER THE CURB, INTO THE ROADWAY DURING MOT PHASES 1 AND 2. INSTALLATION OF THESE MATERIALS SHOULD BE CONSISTENT WITH THE ODOT TEMPORARY EROSION AND SEDIMENT CONTROL MANUAL AND ALL APPLICABLE SECTIONS OF THE ODOT C&MS. THE INSTALLATION OF THESE MATERIALS SHALL BE INCIDENTAL TO THE LUMP SUM PRICE FOR 614, MAINTAINING TRAFFIC.

THE FOLLOWING IS A LIST OF LOCATIONS WHERE THE CONTRACTOR IS TO PROVIDE TEMPORARY FILTER SOCK, FILTER FENCE, OR TEMPORARY STORAGE DITCHES BEHIND THE CURB FOR MOT PHASES 1 AND 2:

FILTER SOCK, FILTER FENCE, OR TEMP STORAGE DITCH LOCATIONS (MOT PHASES 1 & 2)				
BEGIN STATION	BEGIN ALIGNMENT	END STATION	END ALIGNMENT	SIDE
617+00	CUY-90 WB	36+00	RAMP W1	LT
619+50	CUY-90 EB	620+70	CUY-90 EB	RT
621+25	CUY-90 EB	629+50	RAMP W2	RT
629+50	CUY-90 EB	60+50	CUY-90 EB	RT
639+25	CUY-90 WB	665+00	CUY-90 WB	LT
43+60	RAMP 117-9	749+50	CUY-90 EB	RT
743+65	CUY-90 WB	750+25	CUY-90 WB	LT
759+00	CUY-90 WB	763+75	CUY-90 WB	LT

ESTIMATED QUANTITIES

Sheet P.0067	Sheet P.0067A	Sheet P.0067B	Sheet P.0068	Sheet P.0069	Sheet P.0070	Sheet P.0071	Sheet P.0072	Sheet P.0073	Sheet P.0074	Sheet P.0075	Sheet P.0076	Sheet P.0077	Sheet P.0078	Sheet P.0079	Sheet P.0080	Sheet P.0081	Sheet P.0082	Sheet P.0083	ITEM	EXTENSION	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET
																			441	50101	799	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), AS PER PLAN, PG64-22	P.0061
																			611	97010	1,332	FT	SLOTTED DRAIN, TYPE 2, 15"	
	6	2	7				9	4	1		3			9	3	1	2	6	614	12380	53	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	
	1641	939	1945	429			390	127			1421	364		598	78	88	27	614	12801	8,047	EACH	WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN	P.0060	
	280	127	1989		356	40	312	333	169	113	1747		12	355	619	188	88	614	13310	6,804	EACH	BARRIER REFLECTOR, TYPE 1, ONE WAY		
	280	127	1989		356	40	312	333	169	113	503		12	355	97	188	88	614	13350	5,038	EACH	OBJECT MARKER, ONE WAY		
				6289	6337			2474				4183			1528			614	18030	20,811	FT	MAINTAINING TRAFFIC, MISC.: TROUGH	P.0063	
	11.8	2.00	20.51	1.92		0.82	1.93				26.97	19.1		4.94				614	20056	116.96	MILE	WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT		
		26.97									26.97							614	20110	80.91	MILE	WORK ZONE LANE LINE, CLASS I, 6", 642 PAINT		
	2.85	3.69	29.75	3.08		0.91	10.26	1.26	1.54		24.77	29.33		0.16	10.88	1.6	1.68	614	22056	146.32	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT		
		24.08									24.08							614	22110	72.24	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT		
	13657	7099	16032	8579		100	6100	2535	843	20147	11604	7287			7603	1916	1768	614	23110	125,947	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 807 PAINT		
		20147								20147								614	23210	60,441	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 6", 642 PAINT		
	5096	2983	7360	8717		835	5408	2925	1264	16317	9933	1053	760	5141	999			614	24102	85,108	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 807 PAINT		
		16317								16317								614	24202	48,951	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 642 PAINT		
			212															614	25000	212	FT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I		
	20082		2073	2374														615	20000	28,389	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A		
			31030								31090							622	41011	62,120	FT	PORTABLE BARRIER, 50", AS PER PLAN	P.0057	
	2929	13923	6492	35801		755	15607	3564	8432	5635	22550		605	13267	3790	8185	5000	622	41060	7	EACH	DUAL PORTABLE BARRIER TRANSITION/TERMINATION	P.0064	
			1600			1226	4442	200			2420			4468	1040	1235		622	41100	150,355	FT	PORTABLE BARRIER, UNANCHORED		
																		622	41111	16,631	FT	PORTABLE BARRIER, ANCHORED, AS PER PLAN	P.0057	
		757.4								311.4								617	11100	1,069	TON	COMPACTED AGGREGATE		
		2389								983								617	20000	3,372	SY	SHOULDER PREPARATION		

CUY-90-6.69

MODEL: Sheet PAPER: 34x22 (in.) DATE: 5/17/2024 TIME: 9:52:30 AM USER: breider
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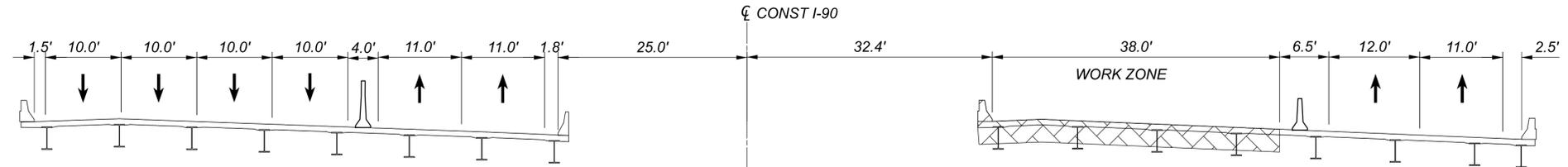
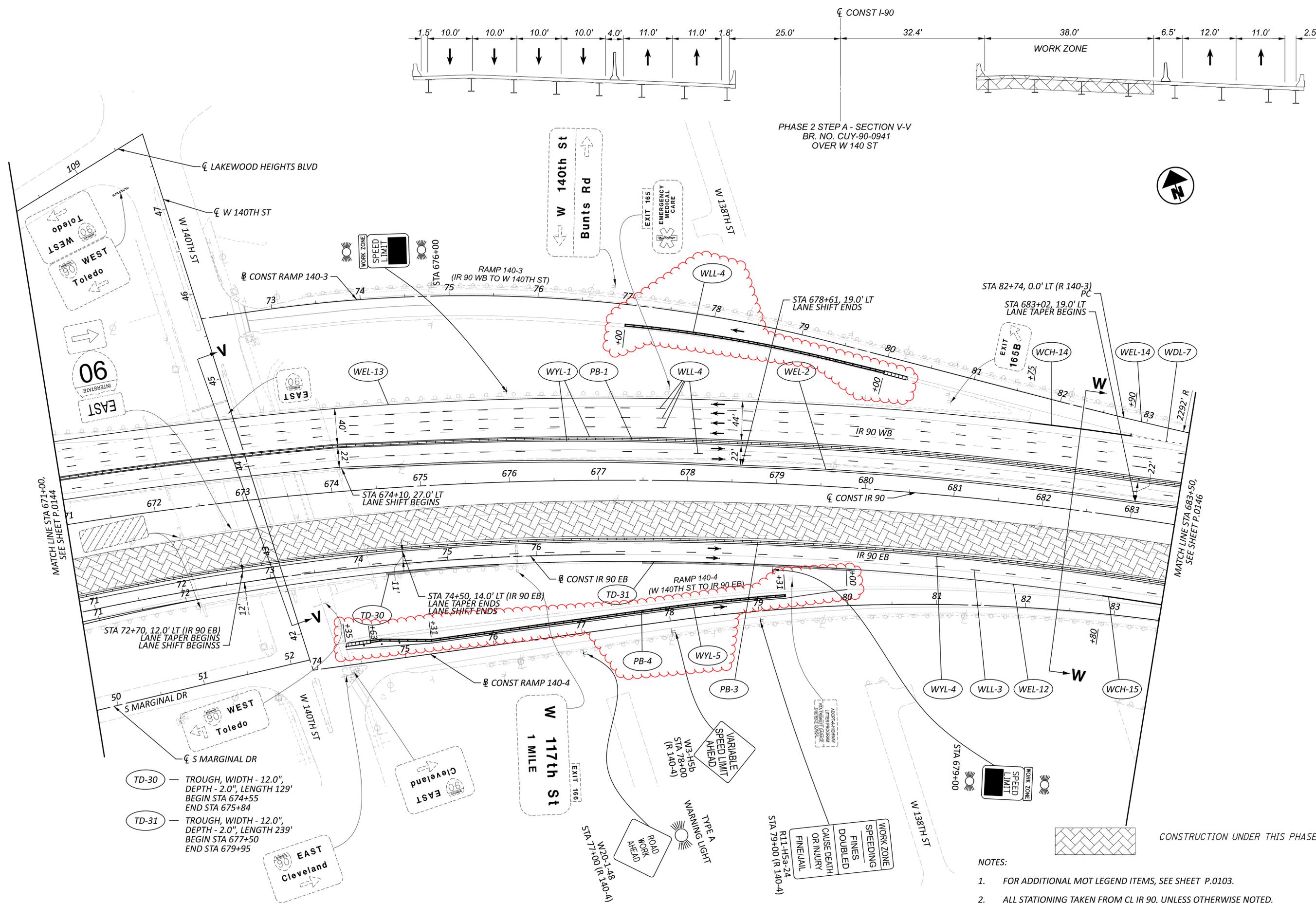
MAINTENANCE OF TRAFFIC SUB-SUMMARY

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.
 DESIGNER
 BER
 REVIEWER
 VDK 08/09/23
 PROJECT ID
 76779
 SHEET TOTAL
 P.0066 P.1587

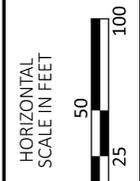
SHEET NO.	REFERENCE NO.	LOCATION	STATION		SIDE	PHASE	STEP	611	614	614	614	614	614	614	614	614	614	615	622	622	622	622			
			SLOTTED DRAIN, TYPE 2	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)				WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN	BARRIER REFLECTOR, TYPE 1	OBJECT MARKER, ONE WAY	MAINTAINING TRAFFIC, MISC.: TROUGH	WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT	WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT (WHITE)	WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT (YELLOW)	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 807 PAINT	WORK ZONE DOTTED LINE, CLASS I, 6", 807 PAINT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	PORTABLE BARRIER, 50", AS PER PLAN	DUAL PORTABLE BARRIER TRANSITION/TERMINATION	PORTABLE BARRIER, UNANCHORED	PORTABLE BARRIER, ANCHORED, AS PER PLAN			
			FROM	TO																					
			FT	EACH	EACH	EACH	EACH	FT	MILE	MILE	MILE	FT	FT	FT	SY	FT	EACH	FT	FT	FT					
	WCH-1	IR 90	323+50.00	338+76.00	RT-LT	2	A																		
	WCH-2	IR 90	329+23.00	341+76.00	LT	2	A																		
	WYL-1	IR 90	332+23.00	821+14.00	LT-RT	2	A																		
	PB-1	IR 90	334+37.00	816+83.00	LT	2	A																		
	WEL-1	IR 90	335+83.00	543+00.00	LT	2	A																		
	ATT-1	IR 90	337+86.00		CL	2	A																		
	WEL-2	IR 90	338+76.00	636+75.00	LT	2	A																		
	WYL-2	IR 90	337+86.00	632+83.00	RT	2	A																		
	WCH-3	IR 90	339+33.00	352+10.00	RT	2	A																		
	WLL-1	IR 90	341+76.00	630+11.00	LT	2	A																		
	WEL-3	IR 90	344+10.00	539+90.00	RT	2	A																		
	ATT-2	IR 90	348+65.00		LT	2	A																		
	PB-2	IR 90	348+65.00	636+60.00	LT-RT	2	A																		
	WLL-2	IR 90	352+10.00	538+10.00	RT	2	A																		
	WYL-3	RAMP HA	36+61.00	40+70.00	LT	2	A																		
	ATT-3	IR 90	351+32.00		RT	2	A																		
	WCH-4	IR 90	538+10.00	548+61.00	RT	2	A																		
	WEL-4	RAMP HA - RAMP MD	39+12.00	89+87.00	RT	2	A																		
	WCH-5	IR 90	543+00.00	545+10.00	LT	2	A																		
	WLL-3	IR 90	548+61.00	624+65.00	RT	2	A																		
	WDL-1	IR 90	544+61.00	557+40.00	RT	2	A																		
	WEL-5	IR 90	548+23.00	590+26.00	LT	2	A																		
	WDL-2	IR 90	583+00.00	593+52.00	LT	2	A																		
	WDL-3	IR 90	584+36.00	589+41.00	RT	2	A																		
	WCH-6	IR 90	589+41.00	590+19.00	RT	2	A																		
	WEL-6	IR 90	590+19.00	608+95.00	RT	2	A																		
	WCH-7	IR 91	593+52.00	595+47.00	LT	2	A																		
	WEL-7	IR 90	595+47.00	612+88.00	LT	2	A																		
	WCH-8	IR 90	608+95.00	612+06.00	RT	2	A																		
	WDL-4	IR 90	612+06.00	627+92.00	RT	2	A																		
	WCH-9	IR 90	612+88.00	614+11.00	LT	2	A																		
	WDL-5	IR 90	614+11.00	629+09.00	LT	2	A																		
	WEL-8	IR 90	614+49.00	627+06.00	LT	2	A																		
	WEL-9	IR 90	615+00.00	628+02.00	LT	2	A																		
	WCH-10	IR 90	627+92.00	628+70.00	RT	2	A																		
	WEL-10	IR 90 - BK 151	628+70.00	35+50.00	RT	2	A																		
	WYL-5	RAMP 140-4	74+35.00	80+00.00	LT	2	A																		
	PB-4	RAMP 140-4	74+62.00	78+31.00	LT	2	A																		
	PB-5	RAMP 140-3	77+00.00	80+00.00	RT	2	A																		
	WCH-11	IR 90	630+11.00	643+00.00	LT	2	A																		
	WCH-12	IR 90	624+65.00	643+29.00	RT-LT	2	A																		
	WGM-	IR 90	634+66.00	637+56.00	RT	2	A																		
	ATT-4	IR 90	637+19.00		RT	2	A																		
	PB-3	IR 90	637+19.00	771+80.00	RT-LT	2	A																		
	ATT-5	IR 90	660+80.00		LT	2	A																		
	TP-1	IR 90	639+00.00	670+22.00	LT	2	A																		
	WYL-4	IR 90 EB - IR 90	37+56.00	817+04.00	RT	2	A																		
	WLL-4	IR 90	643+00.00	809+96.00	LT	2	A																		
	WCH-13	IR 90	666+00.00	666+76.00	LT	2	A																		
	WEL-12	IR 90 EB - IR 90	70+80.00	682+80.00	RT	2	A																		
	WEL-11	IR 90	636+75.00	666+00.00	L	2	A																		
	WDL-6	IR 90	666+76.00	670+36.00	LT-RT	2	A																		
	WEL-13	IR 90	670+36.00	681+75.00	LT	2	A																		
	WCH-14	IR 90	681+75.00	682+90.00	LT	2	A																		
	WEL-14	RAMP 140-3 - RAMP 117-5	82+74.00	30+00.00	LT	2	A																		
	WDL-7	IR 90	682+90.00	689+69.00	LT	2	A																		
	WEL-25	IR 90	637+56.00	817+04.00		2																			
TOTALS CARRIED TO SHEET P.0066									7	1945	1989	1989			20.51	10.70	19.05	16032	7360	212	2073	31030	1	35801	1600

MAINTENANCE OF TRAFFIC ESTIMATED QUANTITIES

DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	BER
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	P.0068
TOTAL	P.1587



PHASE 2 STEP A - SECTION V-V
 BR. NO. CUY-90-0941
 OVER W 140 ST



MAINTENANCE OF TRAFFIC PHASE 2A, 2B
 STA 671+00 TO STA 683+50

- TD-30 - TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 129' BEGIN STA 674+55 END STA 675+84
- TD-31 - TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 239' BEGIN STA 677+50 END STA 679+95

- NOTES:
- FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
 - ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

DESIGN AGENCY	AMERICAN STRUCTUREPOINT
DESIGNER	DMS
REVIEWER	RDC 04/14/23
PROJECT ID	76779
SHEET	P.0145
TOTAL	P.1587

SHEET NUM.						PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
48	63	346	347			01/IMS/04	02/IMS/13	03/IMS/13						
												DRAINAGE CONT.		
		2,127				2,127			611	06100	2,127	FT	15" CONDUIT, TYPE C	
200		73				273			611	06700	273	FT	15" CONDUIT, TYPE F	
		382				382			611	07400	382	FT	18" CONDUIT, TYPE B	
	247					247			611	07401	247	FT	18" CONDUIT, TYPE B, AS PER PLAN	P.0063
		40				40			611	07600	40	FT	18" CONDUIT, TYPE C	
	225					225			611	08901	225	FT	21" CONDUIT, TYPE B, AS PER PLAN	P.0063
		309				309			611	10400	309	FT	24" CONDUIT, TYPE B	
	197					197			611	10401	197	FT	24" CONDUIT, TYPE B, AS PER PLAN	P.0063
		1,315				1,315			611	10600	1,315	FT	24" CONDUIT, TYPE C	
		527				527			611	13600	527	FT	30" CONDUIT, TYPE C	
		931				931			611	16600	931	FT	36" CONDUIT, TYPE C	
		247				247			611	19400	247	FT	42" CONDUIT, TYPE B	
	15	493				508			611	19600	508	FT	42" CONDUIT, TYPE C	
		2,816				2,816			611	22600	2,816	FT	54" CONDUIT, TYPE C	
		472				472			611	23800	472	FT	60" CONDUIT, TYPE B	
	10					10			611	24000	10	FT	60" CONDUIT, TYPE C	
		3,516				3,516			611	96600	3,516	FT	CONDUIT, BORED OR JACKED, 15", TYPE B	
		1,245				1,245			611	96600	1,245	FT	CONDUIT, BORED OR JACKED, 18", TYPE B	
		1,387				1,387			611	96600	1,387	FT	CONDUIT, BORED OR JACKED, 24", TYPE B	
		114				114			611	96600	114	FT	CONDUIT, BORED OR JACKED, 30", TYPE B	
		150				150			611	96600	150	FT	CONDUIT, BORED OR JACKED, 36", TYPE B	
		143				143			611	96600	143	FT	CONDUIT, BORED OR JACKED, 42", TYPE B	
		102				102			611	96600	102	FT	CONDUIT, BORED OR JACKED, 48", TYPE B	
		140				140			611	96600	140	FT	CONDUIT, BORED OR JACKED, 54", TYPE B	
		455				455			611	96600	455	FT	CONDUIT, BORED OR JACKED, 60", TYPE B	
		122				122			611	96600	122	FT	CONDUIT, BORED OR JACKED, 66", TYPE B	
	74					74			611	96601	74	FT	CONDUIT, BORED OR JACKED, AS PER PLAN, 15", TYPE B	P.0063
	15					15			611	96601	15	FT	CONDUIT, BORED OR JACKED, AS PER PLAN, 18", TYPE B	P.0063
	110					110			611	96601	110	FT	CONDUIT, BORED OR JACKED, AS PER PLAN, 24", TYPE B	P.0063
		24				24			611	97400	24	FT	CONDUIT, MISC.: 12" CONDUIT, TYPE B, ROCK CUT	P.0049
			26			26			611	97400	26	FT	CONDUIT, MISC.: 12" CONDUIT, TYPE C, ROCK CUT	P.0049
		8,505				8,505			611	97400	8,505	FT	CONDUIT, MISC.: 15" CONDUIT, TYPE B, ROCK CUT	P.0049
		1,933				1,933			611	97400	1,933	FT	CONDUIT, MISC.: 15" CONDUIT, TYPE C, ROCK CUT	P.0049
		85				85			611	97400	85	FT	CONDUIT, MISC.: 15" CONDUIT, TYPE F, ROCK CUT	P.0049
		1,754				1,754			611	97400	1,754	FT	CONDUIT, MISC.: 18" CONDUIT, TYPE B, ROCK CUT	P.0049
		1,019				1,019			611	97400	1,019	FT	CONDUIT, MISC.: 18" CONDUIT, TYPE C, ROCK CUT	P.0049
		501				501			611	97400	501	FT	CONDUIT, MISC.: 24" CONDUIT, TYPE B, ROCK CUT	P.0049
		469				469			611	97400	469	FT	CONDUIT, MISC.: 24" CONDUIT, TYPE C, ROCK CUT	P.0049
		76				76			611	97400	76	FT	CONDUIT, MISC.: 27" CONDUIT, TYPE C, ROCK CUT	P.0049
		6				6			611	97400	6	FT	CONDUIT, MISC.: 30" CONDUIT, TYPE B, ROCK CUT	P.0049
		1,394				1,394			611	97400	1,394	FT	CONDUIT, MISC.: 30" CONDUIT, TYPE C, ROCK CUT	P.0049
		248				248			611	97400	248	FT	CONDUIT, MISC.: 36" CONDUIT, TYPE B, ROCK CUT	P.0049
		332				332			611	97400	332	FT	CONDUIT, MISC.: 36" CONDUIT, TYPE C, ROCK CUT	P.0049
		262				262			611	97400	262	FT	CONDUIT, MISC.: 42" CONDUIT, TYPE B, ROCK CUT	P.0049
		1,180				1,180			611	97400	1,180	FT	CONDUIT, MISC.: 42" CONDUIT, TYPE C, ROCK CUT	P.0049
		2,467				2,467			611	97400	2,467	FT	CONDUIT, MISC.: 48" CONDUIT, TYPE B, ROCK CUT	P.0049
		368				368			611	97400	368	FT	CONDUIT, MISC.: 54" CONDUIT, TYPE B, ROCK CUT	P.0049
		399				399			611	97400	399	FT	CONDUIT, MISC.: 54" CONDUIT, TYPE C, ROCK CUT	P.0049
		555				555			611	97400	555	FT	CONDUIT, MISC.: 60" CONDUIT, TYPE B, ROCK CUT	P.0049
		209				209			611	97400	209	FT	CONDUIT, MISC.: 60" CONDUIT, TYPE C, ROCK CUT	P.0049
		2,085				2,085			611	97400	2,085	FT	CONDUIT, MISC.: 66" CONDUIT, TYPE B, ROCK CUT	P.0049
		182				182			611	97400	182	FT	CONDUIT, MISC.: 66" CONDUIT, TYPE C, ROCK CUT	P.0049
		42				42			611	98150	42	EACH	CATCH BASIN, NO. 3	
		1				1			611	98151	1	EACH	CATCH BASIN, NO. 3, AS PER PLAN	P.0048
		16				16			611	98180	16	EACH	CATCH BASIN, NO. 3A	
		62				62			611	98300	62	EACH	CATCH BASIN, NO. 5	
		1				1			611	98301	1	EACH	CATCH BASIN, NO. 5, AS PER PLAN	P.0048
	1					1			611	98301	1	EACH	CATCH BASIN, NO. 5, AS PER PLAN (2)	P.0063
		7				7			611	98370	7	EACH	CATCH BASIN, NO. 6	
	1					1			611	98371	1	EACH	CATCH BASIN, NO. 6, AS PER PLAN	P.0063
		1				1			611	98510	1	EACH	CATCH BASIN, NO. 2-3	
		1				1			611	98634	1	EACH	CATCH BASIN RECONSTRUCTED TO GRADE	
		1				1			611	98690	1	EACH	CATCH BASIN, MISC.: CITY OF CLEVELAND CB-1 CATCH BASIN	P.0048
		7				7			611	98820	7	EACH	INLET, NO. 3D	

GENERAL SUMMARY

DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	BER
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET TOTAL	P.0318 P.1587

SHEET NUM.							PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
OFFICE CALCS	49	50	63	337	347	1290	01/IMS/04	02/IMS/13	03/IMS/13						
					49					49		EACH	INLET, NO. 2-A-6		
			1		1					1		EACH	INLET, NO. 2-A-6, AS PER PLAN	P.0063	
					35					35		EACH	INLET, NO. 2-A-8		
					24					24		EACH	INLET, NO. 2-A-10		
					10					10		EACH	INLET, NO. 2-A-12		
					8					8		EACH	INLET, NO. 2-A-14		
					1					1		EACH	INLET, NO. 2-A-16		
					1					1		EACH	INLET, NO. 2-A-18		
					16					16		EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE B1		
					7					7		EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE C1		
					73					73		EACH	MANHOLE, NO. 3		
					33					33		EACH	MANHOLE, NO. 3, AS PER PLAN	P.0048	
					1					1		EACH	MANHOLE, NO. 3, AS PER PLAN (2)	P.0048	
					3					3		EACH	MANHOLE, NO. 3, AS PER PLAN (3)	P.0063	
					2					2		EACH	MANHOLE RECONSTRUCTED TO GRADE		
					1					1		EACH	MANHOLE, MISC.: MH-3 MODIFIED	P.0048	
													PAVEMENT		
										2,000		SY	PARTIAL DEPTH PAVEMENT REPAIR (442)		
										16,985		SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.5"		
										89,922		CY	ASPHALT CONCRETE BASE, (449), AS PER PLAN, PG 64-22	P.0049	
										111,594		CY	AGGREGATE BASE		
										63,691		GAL	TACK COAT		
										677		CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), AS PER PLAN, PG 70-22M	P.0049	
										724		CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN	P.0049	
										18,367		CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446)		
										15,807		CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER PLAN, PG 76-22M	P.0050	
										42		CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (449), AS PER PLAN, PG 76-22M	P.0050	
										49,422		SY	11.5" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/QA		
										159		FT	CURB, TYPE 2-A		
										34		FT	COMBINATION CURB AND GUTTER, TYPE 4, AS PER PLAN	P.0046	
										18,952		FT	CURB, TYPE 4-A		
										31,848		FT	CURB, TYPE 4-C		
										950		SY	4" CONCRETE TRAFFIC ISLAND		
										13.79		MILE	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE), AS PER PLAN	P.0050	
													LIGHTING		
						423				423		EACH	CONNECTION, FUSED PULL APART		
						207				207		EACH	CONNECTION, UNFUSED PERMANENT		
						58				58		EACH	LIGHT POLE, LOW MAST, ALM50		
						142				142		EACH	LIGHT POLE, LOW MAST, ATLM50		
						40				40		EACH	LIGHT POLE ANCHOR BOLTS ON STRUCTURE		
						1				1		EACH	LIGHT POLE FOUNDATION, 24" X 6' DEEP		
						142				142		EACH	LIGHT POLE FOUNDATION, 24" X 10' DEEP		
						48				48		EACH	MEDIAN LIGHT POLE FOUNDATION, 10' DEEP		
						75,825				75,825		FT	NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE		
						30,150				30,150		FT	NO. 10 AWG POLE AND BRACKET CABLE		
						43,650				43,650		FT	1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT CABLES		
						749				749		FT	CONDUIT, 1-1/2", 725.04		
						950				950		FT	CONDUIT, 1-1/2", 725.051		
						3,729				3,729		FT	CONDUIT, 2", 725.051		
						3,746				3,746		FT	CONDUIT, JACKED OR DRILLED, 725.04, 3"		
						200				200		EACH	LUMINAIRE, LOW MAST, SOLID STATE (LED), AS PER PLAN, 480V	P.1310	
						11				11		EACH	LUMINAIRE, UNDERPASS, SOLID STATE (LED), AS PER PLAN, 480V	P.1310	
						4				4		EACH	LUMINAIRE, UNDERPASS, SOLID STATE (LED), AS PER PLAN, CPP FIXTURE	P.1310	
						32,376				32,376		FT	TRENCH		

GENERAL SUMMARY

DESIGN AGENCY
STRUCTUREPOINT
INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET TOTAL
P.0319 | P.1587

SHEET NUM.										PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
OFFICE CALCS	51	52	56	57	58	60	61	66		01/IMS/04	02/IMS/13	03/IMS/13						
							200	799					441	50101	999	CY	MAINTENANCE OF TRAFFIC ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), AS PER PLAN, PG64-22	P.0061
								1,332					611	97010	1,332	FT	SLOTTED DRAIN, TYPE 2, 15"	
							2,000						614	11110	2,000	SNMT	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
						321,300							614	11630	321,300	FT	INCREASED BARRIER DELINEATION	
								53					614	12380	53	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	
													614	12420		LS	DETOUR SIGNING	
													614	18601	49	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	P.0058
													614	12484	17	EACH	WORK ZONE INCREASED PENALTIES SIGN	
													614	12500	50	EACH	REPLACEMENT SIGN	
													614	12756	3	EACH	WORK ZONE CROSSOVER LIGHTING SYSTEM	
													614	12801	8,047	EACH	WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN	P.0060
													614	13000	250	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
													614	13310	6,804	EACH	BARRIER REFLECTOR, TYPE 1, ONE WAY	
													614	13350	5,038	EACH	OBJECT MARKER, ONE WAY	
													614	18030	20,811	FT	MAINTAINING TRAFFIC, MISC.: TROUGH	P.0063
													614	20560	2.2	MILE	WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT	
													614	22110	72.24	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	
													614	22360	1.7	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT	
													614	20056	116.96	MILE	WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT	
													614	20110	80.91	MILE	WORK ZONE LANE LINE, CLASS I, 6", 642 PAINT	
													614	22056	146.32	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT	
													614	23110	125,947	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 807 PAINT	
													614	23210	60,441	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 642 PAINT	
													614	24102	85,108	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 807 PAINT	
													614	24202	48,951	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 642 PAINT	
													614	25000	212	FT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I	
													615	10000		LS	ROADS FOR MAINTAINING TRAFFIC	
													615	20000	32,389	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	
													616	10000	353	MGAL	WATER	
													617	11100	1,069	TON	COMPACTED AGGREGATE	
													617	20000	3,372	SY	SHOULDER PREPARATION	
													622	41011	62,120	FT	PORTABLE BARRIER, 50", AS PER PLAN	P.0057
													622	41060	7	EACH	DUAL PORTABLE BARRIER TRANSITION/TERMINATION	
													622	41100	150,355	FT	PORTABLE BARRIER, UNANCHORED	
													622	41111	16,631	FT	PORTABLE BARRIER, ANCHORED, AS PER PLAN	P.0057
													808	18700	180	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY	
													829	00100	38	SNMT	WORK ZONE EGRESS WARNING SYSTEM	
													896	00010	480	SNMT	PORTABLE NON-INTRUSIVE TRAFFIC SENSOR, CLASS I	
													896	00021	120	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	P.0061
													900	00100	540,000	EACH	RAILROAD FLAGGING SERVICES	P.1351
																	INCIDENTALS	
																	CPM PROGRESS SCHEDULE	
																	MAINTAINING TRAFFIC	
																	FIELD OFFICE, TYPE C, AS PER PLAN	P.0051
																	CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN	P.0052
																	MOBILIZATION	
																	AS-BUILT CONSTRUCTION PLANS	P.0051
																	PERMITS	

GENERAL SUMMARY

DESIGN AGENCY
STRUCTUREPOINT
INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET TOTAL
P.03278 P.1587

ESTIMATED QUANTITIES

Sheet 351	Sheet 352	Sheet 353	Sheet 354	Sheet 355	Sheet 356	Sheet 357	Sheet 358	Sheet 359	Sheet 370	ITEM	EXTENSION	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET	
										611	97400	26	FT	CONDUIT, MISC.: 12" CONDUIT, TYPE C, ROCK CUT	P.0047	
										611	97400	8,505	FT	CONDUIT, MISC.: 15" CONDUIT, TYPE B, ROCK CUT	P.0047	
										611	97400	1,933	FT	CONDUIT, MISC.: 15" CONDUIT, TYPE C, ROCK CUT	P.0047	
										611	97400	85	FT	CONDUIT, MISC.: 15" CONDUIT, TYPE F, ROCK CUT	P.0047	
										611	97400	1,754	FT	CONDUIT, MISC.: 18" CONDUIT, TYPE B, ROCK CUT	P.0047	
										611	97400	1,019	FT	CONDUIT, MISC.: 18" CONDUIT, TYPE C, ROCK CUT	P.0047	
										611	97400	501	FT	CONDUIT, MISC.: 24" CONDUIT, TYPE B, ROCK CUT	P.0047	
										611	97400	469	FT	CONDUIT, MISC.: 24" CONDUIT, TYPE C, ROCK CUT	P.0047	
										611	97400	76	FT	CONDUIT, MISC.: 27" CONDUIT, TYPE C, ROCK CUT	P.0047	
										611	97400	6	FT	CONDUIT, MISC.: 30" CONDUIT, TYPE B, ROCK CUT	P.0047	
										611	97400	1,394	FT	CONDUIT, MISC.: 30" CONDUIT, TYPE C, ROCK CUT	P.0047	
										611	97400	248	FT	CONDUIT, MISC.: 36" CONDUIT, TYPE B, ROCK CUT	P.0047	
										611	97400	332	FT	CONDUIT, MISC.: 36" CONDUIT, TYPE C, ROCK CUT	P.0047	
										611	97400	262	FT	CONDUIT, MISC.: 42" CONDUIT, TYPE B, ROCK CUT	P.0047	
										611	97400	1,180	FT	CONDUIT, MISC.: 42" CONDUIT, TYPE C, ROCK CUT	P.0047	
										611	97400	2,467	FT	CONDUIT, MISC.: 48" CONDUIT, TYPE B, ROCK CUT	P.0047	
										611	97400	368	FT	CONDUIT, MISC.: 54" CONDUIT, TYPE B, ROCK CUT	P.0047	
										611	97400	399	FT	CONDUIT, MISC.: 54" CONDUIT, TYPE C, ROCK CUT	P.0047	
										611	97400	555	FT	CONDUIT, MISC.: 60" CONDUIT, TYPE B, ROCK CUT	P.0047	
										611	97400	209	FT	CONDUIT, MISC.: 60" CONDUIT, TYPE C, ROCK CUT	P.0047	
										611	97400	2,085	FT	CONDUIT, MISC.: 66" CONDUIT, TYPE B, ROCK CUT	P.0047	
										611	97400	182	FT	CONDUIT, MISC.: 66" CONDUIT, TYPE C, ROCK CUT	P.0047	
										611	98150	42	EACH	CATCH BASIN, NO. 3	P.0048	
										611	98151	1	EACH	CATCH BASIN, NO. 3, AS PER PLAN	P.0048	
										611	98180	16	EACH	CATCH BASIN, NO. 3A	P.0048	
										611	98300	62	EACH	CATCH BASIN, NO. 5	P.0048	
										611	98301	1	EACH	CATCH BASIN, NO. 5, AS PER PLAN	P.0048	
										611	98370	7	EACH	CATCH BASIN, NO. 6	P.0048	
										611	98510	1	EACH	CATCH BASIN, NO. 2-3	P.0048	
										611	98690	1	EACH	CATCH BASIN, MISC.: CITY OF CLEVELAND CB-1 CATCH BASIN	P.0048	
										611	99100	16	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE B1	P.0048	
										611	99110	7	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE C1	P.0048	
										611	98820	7	EACH	INLET, NO. 3D	P.0048	
										611	98840	49	EACH	INLET, NO. 2-A-6	P.0048	
										611	98850	35	EACH	INLET, NO. 2-A-8	P.0048	
										611	98860	24	EACH	INLET, NO. 2-A-10	P.0048	
										611	98870	10	EACH	INLET, NO. 2-A-12	P.0048	
										611	98880	8	EACH	INLET, NO. 2-A-14	P.0048	
										611	98890	1	EACH	INLET, NO. 2-A-16	P.0048	
										611	99000	1	EACH	INLET, NO. 2-A-18	P.0048	
										611	99574	73	EACH	MANHOLE, NO. 3	P.0048	
										611	99575	33	EACH	MANHOLE, NO. 3, AS PER PLAN	P.0048	
										611	99575	1	EACH	MANHOLE, NO. 3, AS PER PLAN (2)	P.0048	
										611	99660	2	EACH	MANHOLE RECONSTRUCTED TO GRADE	P.0048	
										633	99690	1	EACH	MANHOLE, MISC.: MH-3 MODIFIED	P.0048	
										1608	659	00300	1,608	CY	TOPSOIL	
										14216	670	00500	14,216	SY	SLOPE EROSION PROTECTION	
										11691	670	00720	11,691	SY	DITCH EROSION PROTECTION MAT, TYPE B	
										444	836	10000	444	SY	SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1	

DESIGN AGENCY
STRUCTUREPOINT
 INC.
 DESIGNER
 BER
 REVIEWER
 VDK 08/09/23
 PROJECT ID
 76779
 SHEET TOTAL
 P.0347 | P.1587

SHEET NO.	REFERENCE NO.	LOCATION	STATION		SIDE	611																									
			FROM	TO		CONDUIT, BORED OR JACKED, 15", TYPE B	CONDUIT, BORED OR JACKED, 18", TYPE B	CONDUIT, BORED OR JACKED, 24", TYPE B	CONDUIT, BORED OR JACKED, 48", TYPE B	CONDUIT, MISC.: 12" CONDUIT, TYPE B, ROCK CUT	CONDUIT, MISC.: 12" CONDUIT, TYPE C, ROCK CUT	CONDUIT, MISC.: 15" CONDUIT, TYPE B, ROCK CUT	CONDUIT, MISC.: 15" CONDUIT, TYPE C, ROCK CUT	CONDUIT, MISC.: 18" CONDUIT, TYPE B, ROCK CUT	CONDUIT, MISC.: 24" CONDUIT, TYPE B, ROCK CUT	CONDUIT, MISC.: 30" CONDUIT, TYPE B, ROCK CUT	CONDUIT, MISC.: 36" CONDUIT, TYPE B, ROCK CUT	CATCH BASIN, NO. 3	CATCH BASIN, NO. 3A	CATCH BASIN, NO. 5	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE B1	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE C1	INLET, NO. 3D	INLET, NO. 2-A-6	INLET, NO. 2-A-8	INLET, NO. 2-A-10	INLET, NO. 2-A-14	MANHOLE, NO. 3			
OUTFALL D CONTINUED																															
1053/1097	D178	IR 90	602+26.00	603+01.00	LT																										
1053/1097	D180	IR 90	603+01.00	603+78.00	LT																										
1053/1097	D181	IR 90	603+78.00	605+01.00	LT																										
1053/1097	D182	IR 90	605+01.00	604+99.00	LT																										
1054/1098	D187	RAMP ME	9+34.00	608+58.00	LT	61																									
1054/1098	D191	IR 90	610+95.00	912+00.00	LT																										
1054/1098	D189	IR 90	611+75.00	611+75.00	RT																										
1054/1098	D190	IR 90	611+75.00	612+00.00	LT/RT																										
1054/1098	D192	IR 90	612+00.00	612+45.00	LT																										
1054/1098	D193	IR 90	612+45.00	612+67.00	LT																										
1054/1098	D194	IR 90	612+67.00	631+96.00	LT																										
1055/1099	D206	IR 90	616+25.00	616+36.00	LT																										
1055/1099	D204	IR 90	616+36.00	616+36.00	LT/RT	85																									
1055/1099	D201	IR 90	616+36.00	616+36.00	RT																										
1055/1099	D197	IR 90	616+36.00	616+36.00	RT	66																									
1055/1099	D205	IR 90	615+30.00	615+56.00	LT																										
1055/1099	D207	IR 90	617+28.00	617+10.00	LT																										
1055/1099	D208	IR 90	617+10.00	616+00.00	LT																										
1055/1099	D209	IR 90	616+00.00	617+01.00	LT																										
1055/1099	D202	IR 90	615+56.00	615+50.00	RT																										
1055/1100	D203	IR 90	617+25.00	617+28.00	RT																										
1055/1099	D198	IR 90	615+70.00	615+50.00	RT																										
1055/1100	D199	IR 90	616+36.00	617+03.00	RT																										
1055/1101	D213	IR 90	618+13.00	618+15.00	LT																										
1055/1101	D214	IR 90	618+15.00	619+37.00	LT																										
1055/1101	D215	IR 90	619+37.00	620+63.00	LT																										
1055/1102	D241	IR 90	628+01.00	626+50.00	LT																										
1055/1102	D240	IR 90	626+50.00	624+75.00	LT																										
1055/1102	D238	IR 90	624+75.00	623+00.00	LT																										
1055/1102	D237	IR 90	623+00.00	621+59.00	LT																										
1055/1102	D234	IR 90	621+59.00	621+56.00	LT/RT																										
1055/1102	D220	IR 90	621+56.00	621+46.00	RT																										
1055/1102	D225	IR 90	621+46.00	622+75.00	RT																										
1055/1103	D226	IR 90	622+75.00	624+25.00	RT																										
1055/1103	D227	IR 90	624+25.00	625+50.00	RT																										
1055/1103	D228	IR 90	625+50.00	626+50.00	RT																										
1055/1103	D229	IR 90	626+50.00	627+50.00	RT																										
1055/1103	D230	IR 90	627+50.00	628+50.00	RT																										
1055/1103	D231	IR 90	628+50.00	629+36.00	RT																										
1055/1104	D223	IR 90	619+01.00	619+35.00	RT																										
1055/1104	D222	IR 90	619+35.00	620+72.00	RT																										
1055/1104	D221	IR 90	620+72.00	621+46.00	RT																										
1055/1104	D233	IR 90	621+86.00	621+56.00	RT																										
1055/1105	D273	IR 90	639+25.00	638+00.00	LT																										
1055/1105	D272	IR 90	638+00.00	636+50.00	LT																										
TOTALS CARRIED TO SHEETS 346 & 347						212	85	168	102	24	6	2648	36	439	15	6	248	4	3	4	1	4	1	18	7	1	1	1			

DRAINAGE ESTIMATED QUANTITIES

DESIGN AGENCY	AMERICAN STRUCTUREPOINT INC.
DESIGNER	BER
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET TOTAL	P.0354 P.1587

SHEET NO.	REFERENCE NO.	LOCATION	STATION		SIDE	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	
			12" CONDUIT, TYPE B	12" CONDUIT, TYPE C		15" CONDUIT, TYPE B	15" CONDUIT, TYPE C	18" CONDUIT, TYPE C	CONDUIT, BORED OR JACKED, 15", TYPE B	CONDUIT, MISC.: 15" CONDUIT, TYPE B, ROCK CUT	CONDUIT, MISC.: 15" CONDUIT, TYPE C, ROCK CUT	CATCH BASIN, NO. 3	CATCH BASIN, NO. 5	CATCH BASIN, NO. 6	CATCH BASIN, MISC.: CB-1 (CITY OF CLEVELAND)	INLET, NO. 2-A-6	INLET, NO. 2-A-8	INLET, NO. 2-A-10	INLET, NO. 2-A-12	INLET, NO. 2-A-14	MANHOLE, NO. 3			
			FROM	TO		FT	FT	FT	FT	FT	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
OUTFALL M CONTINUED																								
1066/1144	D803	IR 90	755+76.25	755+63.00	LT			84																
1066/1144	D801	IR 90	755+63.00	755+65.00	LT/RT				15						1									
1066/1144	D802	IR 90	755+65.00	755+56.00	RT											1								
1066/1144	D799	IR 90	756+75.75	756+74.00	LT			87																
1066/1144	D796	IR 90	757+75.00	758+05.00	LT			92																
1067/1145	D793	IR 90	761+00.00	759+15.00	RT			190																
1067/1145	D792	IR 90	759+15.00	759+15.00	LT/RT																			
1067/1145	D786	IR 90	759+15.00	759+67.00	LT																			
1067/1145	D788	IR 90	759+67.00	760+85.00	LT			115																
1067/1145	D789	IR 90	760+85.00	762+45.00	LT			156																
1067/1145	D790	IR 90	762+45.00	764+25.00	LT			176																
1067/1146	D780	IR 90	763+00.00	763+00.00	LT																			
1067/1146	D776	IR 90	765+70.00	768+52.00	LT																			
1067/1146	D773	RAMP W13	68+31.00	68+34.87	LT																			
1067/1146	D772	IR 90	68+34.87	768+57.00	LT			47																
1067/1146	D765	RAMP W13	70+27.00	70+28.00	RT																			
1067/1146	D764	RAMP W13	70+28.00	70+50.00	RT																			
1067/1146	D760	RAMP W13	70+50.00	70+60.00	RT																			
1067/1146	D761	RAMP W13	70+60.00	70+49.00	LT/RT																			
1067/1146	D762	RAMP W13	70+49.00	70+80.00	LT																			
OUTFALL G																								
1064/1147	D441	W 117TH ST	53+84.00	33+60.64	RT			6																
1064/1147	D442	W 117TH ST	33+60.64	53+88.60	RT			5																
OUTFALL H																								
1064/1148	D448	RAMP 117-8	32+94.00	44+09.59	LT																			
OUTFALL I																								
1067/1149	D452	RAMP W14	69+50.00	69+44.00	LT/RT																			
1067/1149	D451	RAMP W14	69+44.00	69+57.49	RT																			
1067/1149	D453	RAMP W14	69+13.00	69+44.00	RT																			
TOTALS CARRIED TO SHEETS 346 & 347																								
						11	68	995	378	34	332	59	48	5	1	5	1	1	2	3	2	1	1	1

DRAINAGE ESTIMATED QUANTITIES

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.
 DESIGNER
BER
 REVIEWER
 VDK 08/09/23
 PROJECT ID
 76779
 SHEET TOTAL
 P.0359 P.1587

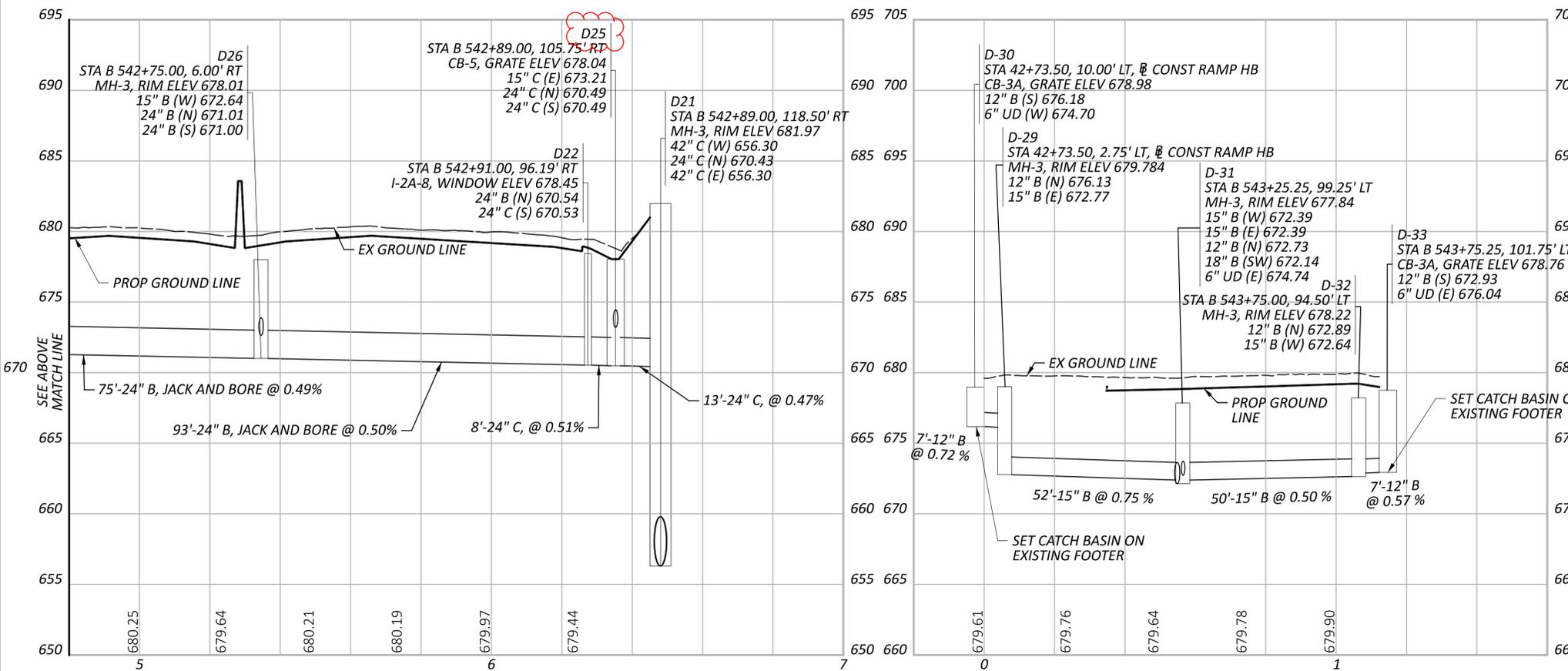
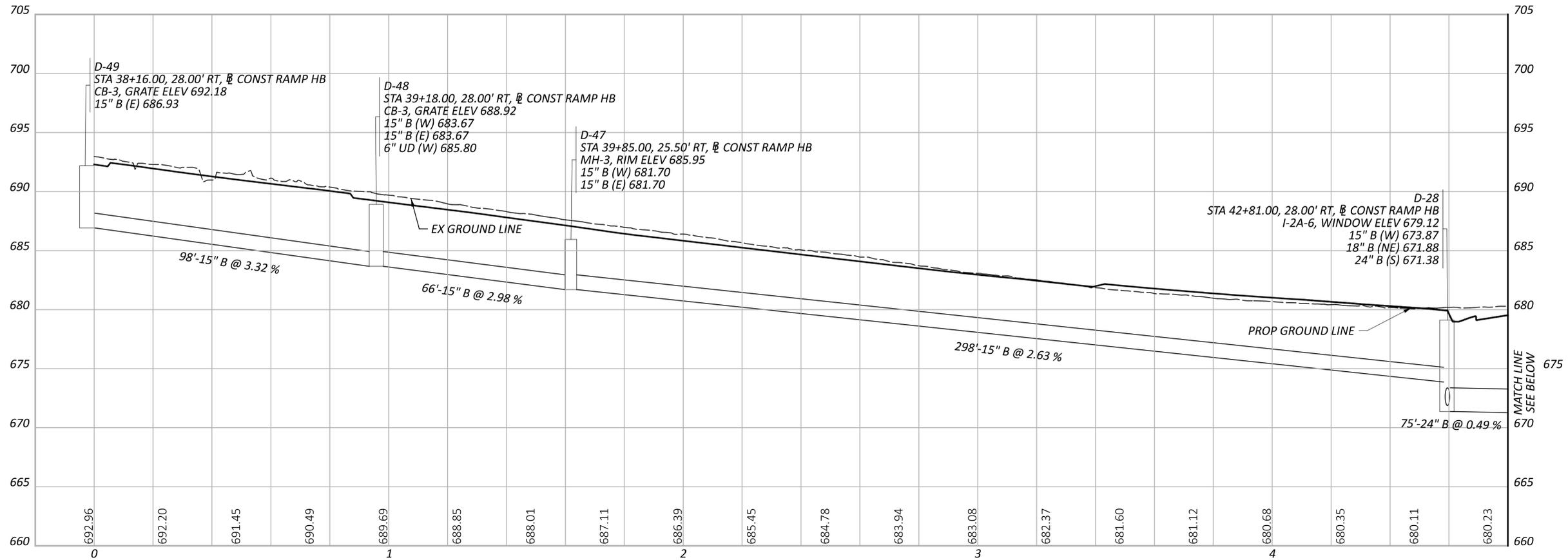
NOTES:

1. ALL STATIONING TAKEN FROM ξ CONST IR 90 UNLESS OTHERWISE NOTED

2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067

3. ALL EXISTING CONNECTIONS TO BE CORED IN THE FIELD

4. ALL PROPOSED PIPES TO BE CONNECTED TO EXISTING SHALL BE FITTED WITH A MASONRY COLLAR PER SCD DM-1.1. COST INCLUDED IN THE UNIT BID PRICE FOR THE PERTINENT CONDUIT ITEM



STORM SEWER PROFILES
OUTFALL B

CUY-90-6.69

MODEL: B.Branches - 3 [Sheet] PAPER SIZE: 34x22 (in.) DATE: 5/17/2024 TIME: 8:47:10 AM USER: briedler
 P:\Structurepoint-pw-bentley.com\structurepoint-pw-0\Documents\Projects\20200062\76779\400-Engineering\Drainage\Sheets\76779_DF032.dgn

DESIGN AGENCY	STRUCTUREPOINT INC.
DESIGNER	AJO
REVIEWER	KEM 08/09/23
PROJECT ID	76779
SHEET TOTAL	P.1077 P.1587