Drainage

Review of Drainage Facilities

Before any work is started on the project and again before final acceptance by the State, representatives of the State and the Contractor, along with local representatives, shall make an inspection of all existing sewers which are to remain in service and which may be affected by the work. The condition of the existing conduits and their appurtenances shall be determined from field observations. Records of the inspection shall be kept in writing by the State.

All new conduits, inlets, catch basins and manholes constructed as part of the project shall be free of all foreign matter and in a clean condition before the project will be accepted by the State.

All existing sewers inspected initially by the above mentioned parties shall be maintained and left in a condition reasonably comparable to that determined by the original inspection. Any change in the condition resulting from the Contractor's operations shall be corrected by the Contractor to the satisfaction of the Engineer.

Payment for all operations described above shall be included in the contract price for the pertinent 611 drainage items.

Item 611 – Inlet, No. 3 for Single Slope Barrier, Type B1, As Per Plan
Item 611 – Inlet, No. 3 for Single Slope Barrier, Type C1, As Per Plan

This item shall consist of furnishing and installing Item 611 – Inlet, No. 3 for Single Slope Barrier, Type B1 and Type C1 according to the CMS and Standard Construction Drawing I-3B & I-3C with the following modifications:

1. This item is intended to replace the concrete barrier on top of the inlet only.
2. The length of the concrete barrier on top of the inlet varies as detailed in the subsummaries in order to avoid leaving very small sections of unreinforced barrier adjacent to the inlet.

All costs for this item of work, including labor, materials, equipment and incidentals shall be included in the unit bid price for Item 611 – Inlet, No. 3 for Single Slope Barrier, Type B1, As Per Plan & Item 611 – Inlet, No. 3 for Single Slope Barrier, Type C1, As Per Plan.

Item 611 – Inlet, Misc.: Inlet, No. 3B50

This item shall consist of furnishing and installing Item 611 – Inlet, Misc.: Inlet, No. 3B50 according to the details shown on P.116 of this plan with the following modifications:

1. This item is intended to replace the concrete barrier on top of the inlet only.
2. The dimensions for D-64 shall be adjusted to match the adjacent Type C Barrier as needed.
3. The length of the concrete barrier on top of the inlet varies as detailed in the subsummaries in order to avoid leaving very small sections of unreinforced barrier adjacent to the inlet.

All costs for this item of work, including labor, materials, equipment and incidentals shall be included in the unit bid price for Item 611 – Inlet, Misc.: Inlet No. 3B50.

Item 611 – Inlet Reconstructed to Grade, As Per Plan

The Contractor and Field Engineer shall field check all existing inlets located within the limits of the project. Any casting found that exhibits substantial deterioration shall be "Reconstructed to Grade", as directed by the Engineer. In addition, if it is found that the inlet trough section exhibits substantial deterioration, then replacement of the trough shall be incidental to Item 611 – Inlet Reconstructed to Grade, As Per Plan.

The following estimated quantity has been carried to the General Summary for use as directed by the Engineer:

Item 611 – Inlet Reconstructed to Grade, As Per Plan …… **10 Each**

Item Special – Miscellaneous Metal

Existing castings may prove to be unsuitable for reuse, as determined by the Engineer. It shall be the Contractor's responsibility to provide the castings of the required type, size, and strength (heavy duty) for the particular structure in question. All materials must meet Item 611 of the CMS and shall have the prior approval of the Engineer.

The Contractor is cautioned to use extreme care in the removal, storage, and replacement of all existing castings. Castings damaged by the negligence of the Contractor, as determined by the Engineer, shall be replaced with the proper new castings at the expense of the Contractor.

The Contractor shall not order materials until authorized by the Engineer, and if none are needed, the item shall be non-performed.

The following estimated quantity has been carried to the General Summary for use as directed by the Engineer:

Item Special – Miscellaneous Metal…….. **3000 Lbs**

Pavement

Profile and Alignment

Place the proposed pavement to follow the alignment of the existing pavement. Place the proposed asphalt concrete with a uniform thickness as shown on the typical sections.

Planing Requirements

The duration of time between planing the asphalt and placing the asphalt overlay shall be kept to a minimum. In no instance shall this time exceed 7 calendar days. The time limit shall begin on the first day of planing and shall continue based on calendar days, minus any weather days, until completion of the asphalt concrete surface course. This is to ensure that the potential degradation of the exposed pavement due to traffic is kept to a minimum. This requirement applies to both mainline and ramps alike.

In the event that the time between exposing the existing pavement and placing the asphalt surface course exceeds 7 calendar days, liquidated damages as per 108.07 of the C&MS shall be assessed.

Item 254 – Pavement Planing, Asphalt Concrete, As Per Plan

This item shall be used to remove a consistent width of the asphalt overlay from the inside shoulder at a depth of 1.5" as specified in the plans on IR-71. Care should be taken to avoid destroying or damaging existing rumble strips. Pavement planing limits shall be offset a minimum of 6" from the edge of the existing rumble strips. For estimating purposes, quantities are based on a consistent width of 4' as shown on the typical sections. The width shall be adjusted in the field, as directed by the Engineer, as required to maintain the minimum 6" offset to the existing rumble strips.

Asphalt Concrete Surface Course Sealing Requirements

In addition to the gutter sealing requirements specified in SCD BP-3.1 and C&MS 401.15, after completion of the surface course, the contractor shall use a certified 702.01 PG binder to seal the following locations:

- All castings including but not limited to monuments, manholes, water valves, catch basins, curb inlets.
- Butt joints and feather joints including bridge approaches.
- Forward joint for driveway asphalt and trailing joint when butting to existing asphalt drive.
- Perimeter of all pavement repairs or other asphalt inlays when pavement repairs/inlays are not overlaid with an asphalt concrete surface course.
- All cold longitudinal joints between paved shoulders and guardrail asphalt.

The material used shall be a certified 702.01 PG binder. The width of the sealer shall be 2-3 inches.

Any additional costs associated with the work identified in this note shall be included in the appropriate asphalt concrete surface course item of work.

Item 442 – Asphalt Concrete Surface Course, 12.5mm, Type A, (446), As Per Plan, PG76-22M

The coarse virgin aggregate for this item shall be limited to a blend of air cooled blast furnace slag (ACBFS) or Trap Rock from Ontario and limestone. The Contractor shall use a minimum 60% of ACBFS or Trap Rock from Ontario with limestone comprising the remaining percentage. At least 50% of fine virgin aggregate for this item shall be limited to ACBFS or Trap Rock from Ontario.

Table 442.02-2 applies except No. 4 sieve requirements are 52 to 60 Total Percent Passing. For the No. 4 sieve do not exceed 63 in production.

When ACBFS is used for a fraction of the coarse aggregate, provide a total asphalt binder content greater than or equal to 6.2 percent. If ACBFS makes up 100% of the coarse aggregate, apply the binder content requirements of C&MS 442.

Item 442 – Asphalt Concrete Surface Course, 12.5mm, Type A, (448), As Per Plan, PG76-22M

The coarse aggregate for this item shall be limited to a blend of air cooled blast furnace slag (ACBFS) and limestone. The Contractor shall use a minimum of 50 percent ACBFS with limestone comprising the remaining percentage.

In addition to the joint sealing requirements specified in 401.17, the Contractor shall seal the perimeter of all rumble strip pavement replacement areas. The material used shall be a certified 702.01 PG binder. The width of the sealer shall be 2-3 inches.

Payment for all labor, materials and equipment required to perform the above work shall be included in the contract price for Item 442 – Asphalt Concrete Surface Course, 12.5MM, Type A (448), As Per Plan, PG70-22M.

GENERAL NOTES

DESIGN AGENCY

DESIGNER DAB
REVIEWER EMK 10/15/21
PROJECT ID 87904
SHEET P.13 TOTAL 152

CUY-71-5.71 BARRIER

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 3/7/2022 TIME: 8:01:49 AM USER: dbrauer
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 12\Cuyahoga\87904\400-Engineering\Roadway\Sheets\87904_GN004.dgn

SHEET NUM.															PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
10	11	13	14	15	17	18	19	20	53	56	57	59	118	127-130	01/IMS/OT						
																				ROADWAY	
										159					159	202	23000	159	SY	PAVEMENT REMOVED	
									22,042						22,042	202	30701	22,042	FT	CONCRETE BARRIER REMOVED, AS PER PLAN	11
											50				50	202	38000	50	FT	GUARDRAIL REMOVED	
	609														609	203	10000	609	CY	EXCAVATION	
	294														294	203	20000	294	CY	EMBANKMENT	
	2,119														2,119	204	10000	2,119	SY	SUBGRADE COMPACTION	
											0.88				0.88	209	15001	0.88	STA	RESHAPING UNDER GUARDRAIL, AS PER PLAN	11
											37.5				37.5	606	15050	37.5	FT	GUARDRAIL, TYPE MGS	
											1				1	606	26150	1	EACH	ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)	
									16,851						16,851	622	10101	16,851	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE B1, AS PER PLAN A	12
									42						42	622	10101	42	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE B1, AS PER PLAN B	12
									365						365	622	10141	365	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE C1, AS PER PLAN	12
									19						19	622	10200	19	EACH	BARRIER TRANSITION	
									5						5	622	10201	5	EACH	BARRIER TRANSITION, AS PER PLAN	12
									133						133	622	25006	133	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE B1	
									12						12	622	25007	12	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE B1, AS PER PLAN	12
									3						3	622	25014	3	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1	
									3						3	622	25015	3	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1, AS PER PLAN	12
								47,650							47,650	622	41100	47,650	FT	PORTABLE BARRIER, UNANCHORED	
									26						26	622	90000	26	FT	BARRIER, MISC.: CONCRETE BARRIER, TYPE B50	12
									9						9	622	90000	9	FT	BARRIER, MISC.: CONCRETE BARRIER, TYPE C50	12
																				EROSION CONTROL	
	2														2	659	00100	2	EACH	SOIL ANALYSIS TEST	
	90														90	659	00300	90	CY	TOPSOIL	
	810														810	659	10000	810	SY	SEEDING AND MULCHING	
	41														41	659	14000	41	SY	REPAIR SEEDING AND MULCHING	
	41														41	659	15000	41	SY	INTER-SEEDING	
	0.11														0.11	659	20000	0.11	TON	COMMERCIAL FERTILIZER	
	0.17														0.17	659	31000	0.17	ACRE	LIME	
	4.38														4.38	659	35000	4.38	MGAL	WATER	
															1,000	832	30000	1,000	EACH	EROSION CONTROL	
																				DRAINAGE	
									59						59	611	99101	59	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE B1, AS PER PLAN	13
									3						3	611	99111	3	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE C1, AS PER PLAN	13
		10													10	611	99155	10	EACH	INLET RECONSTRUCTED TO GRADE, AS PER PLAN	13
									5						5	611	99500	5	EACH	INLET, MISC.: INLET, NO. 3B50	13
		3,000													3,000	SPECIAL	61199820	3,000	LB	MISCELLANEOUS METAL	13
																				PAVEMENT	
					9,666										9,666	254	01000	9,666	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.5"	
										16,301					16,301	254	01001	16,301	SY	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 1.5"	13
									1,538						1,538	304	20000	1,538	CY	AGGREGATE BASE	
										186					186	305	13010	186	SY	9" CONCRETE BASE, CLASS QC 1P	
					870					1,501					2,371	407	20000	2,371	GAL	NON-TRACKING TACK COAT	
										21					21	441	50300	21	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), 4"	
											4				4	441	50701	4	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), (UNDER GUARDRAIL), AS PER PLAN	12
										688					688	442	10001	688	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, PG76-22M, 1.5"	13
					403										403	442	20001	403	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN, PG70-22M, 1.5"	13
					6.59										6.59	618	40600	6.59	MILE	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	
																				LIGHTING	
														88	88	625	00450	88	EACH	CONNECTION, FUSED PULL APART	
														77	77	625	00460	77	EACH	CONNECTION, UNFUSED PULL APART	
														100	100	625	00480	100	EACH	CONNECTION, UNFUSED PERMANENT	
														88	88	625	10495	88	EACH	LIGHT POLE, LOW MAST, AS PER PLAN, ALM50	14
														2	2	625	14306	2	EACH	MEDIAN LIGHT POLE FOUNDATION, 10' DEEP	
														72	72	625	14307	72	EACH	MEDIAN LIGHT POLE FOUNDATION, 10' DEEP, AS PER PLAN A	14
														1	1	625	14307	1	EACH	MEDIAN LIGHT POLE FOUNDATION, 10' DEEP, AS PER PLAN B	14
														9	9	625	14600	9	EACH	LIGHT POLE FOUNDATION, MISC.: MEDIAN FOUNDATION ON SPREAD FOOTER	14
														1	1	625	15201	1	EACH	LIGHT TOWER FOUNDATION, 36" X 25' DEEP, AS PER PLAN	15
														1	1	625	15301	1	EACH	LIGHT TOWER FOUNDATION, 36" X 30' DEEP, AS PER PLAN	15

GENERAL SUMMARY

CUY-71-5.71 BARRIER

DESIGN AGENCY

DESIGNER DAB

REVIEWER EMK 10/15/21

PROJECT ID 87904

SHEET P.40 TOTAL 152

PAVEMENT SUBSUMMARY

REF. NO.	SHEET NO.	PLAN SPLIT NO.	STATION TO STATION		LENGTH	BEGIN WIDTH	ENDING WIDTH	AVERAGE WIDTH	AREA		202 PAVEMENT REMOVED	254 PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 1.5"		305 9" CONCRETE BASE, CLASS QC 1P	407 NON-TRACKING TACK COAT	441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), 4"	442 ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, PG76-22M, 1.5"				
					FT.	FT.	FT.	FT.	SQ. YD.		SY	SY		SY	GAL	CY	CY				
			IR-71 NB RESURFACING																		
		1	814+30.00	822+82.48	852.48	4.00	4.00	4.00	378.88			378.88			34.10		15.79				
		1	825+54.52	825+68.43	13.91			CADD AREA	5.06			5.06			0.46		0.22				
		1	825+68.43	828+05.00	236.57	4.00	4.00	4.00	105.15			105.15			9.47		4.39				
		1	828+05.00	828+95.00	90.00	2.00	2.00	2.00	20.00			20.00			1.80		0.84				
		1	828+95.00	839+21.03	1026.03	4.00	4.00	4.00	456.02			456.02			41.05		19.01				
		1	841+16.38	851+75.00	1058.62	4.00	4.00	4.00	470.50			470.50			42.35		19.61				
		1	851+75.00	852+65.00	90.00	2.00	2.00	2.00	20.00			20.00			1.80		0.84				
		1	852+65.00	879+22.00	2657.00	4.00	4.00	4.00	1180.89			1180.89			106.29		49.21				
		1	879+28.00	902+23.67	2295.67	4.00	4.00	4.00	1020.30			1020.30			91.83		42.52				
		1	902+23.67	902+63.67	40.00	4.00	2.50	3.25	14.45			14.45			1.31		0.61				
		1	902+63.67	903+10.11	46.44	2.50	2.50	2.50	12.91			12.91			1.17		0.54				
		1	903+10.11	903+50.11	40.00	2.50	4.00	3.25	14.45			14.45			1.31		0.61				
		1	903+50.11	927+59.23	2409.12	4.00	4.00	4.00	1070.72			1070.72			96.37		44.62				
		1	929+40.54	938+96.33	955.79	4.00	4.00	4.00	424.80			424.80			38.24		17.70				
		1	940+61.35	941+66.00	104.65	4.00	4.00	4.00	46.52			46.52			4.19		1.94				
		1	941+66.00	942+06.00	40.00	4.00	3.00	3.50	15.56			15.56			1.41		0.65				
		1	942+06.00	942+16.00	10.00	3.00	3.00	3.00	3.34			3.34			0.31		0.14				
		1	942+16.00	942+56.00	40.00	3.00	4.00	3.50	15.56			15.56			1.41		0.65				
		1	942+56.00	942+70.00	14.00	4.00	4.00	4.00	6.23			6.23			0.57		0.26				
		1	942+70.00	943+60.00	90.00	2.00	2.00	2.00	20.00			20.00			1.80		0.84				
		1	943+60.00	953+63.89	1003.89	4.00	4.00	4.00	446.18			446.18			40.16		18.60				
		1	955+75.44	965+05.00	929.56	4.00	4.00	4.00	413.14			413.14			37.19		17.22				
		1	965+05.00	965+73.00	68.00	2.00	2.00	2.00	15.12			15.12			1.37		0.63				
		1	965+73.00	965+84.00	11.00	2.00	1.73	1.86	2.28			2.28			0.21		0.10				
		1	965+84.00	966+13.00	29.00	3.73	3.00	3.36	10.84			10.84			0.98		0.46				
		1	966+13.00	966+23.00	10.00	3.00	3.00	3.00	3.34			3.34			0.31		0.14				
		1	966+23.00	966+63.00	40.00	3.00	4.00	3.50	15.56			15.56			1.41		0.65				
		1	966+63.00	968+28.77	165.77	4.00	4.00	4.00	73.68			73.68			6.64		3.07				
		1	970+98.80	973+94.48	295.68	4.00	4.00	4.00	131.42			131.42			11.83		5.48				
		1	975+90.48	998+35.00	2244.52	4.00	4.00	4.00	997.57			997.57			89.79		41.57				
		1	998+35.00	998+75.00	40.00	4.00	3.00	3.50	15.56			15.56			1.41		0.65				
		1	998+75.00	998+85.00	10.00	3.00	3.00	3.00	3.34			3.34			0.31		0.14				
		1	998+85.00	998+93.00	8.00	3.00	3.20	3.10	2.76			2.76			0.25		0.12				
		1	998+93.00	999+25.00	32.00	1.20	2.00	1.60	5.69			5.69			0.52		0.24				
		1	999+25.00	999+51.00	26.00	2.00	2.00	2.00	5.78			5.78			0.53		0.25				
		1	999+51.00	1010+82.68	1131.68	4.00	4.00	4.00	502.97			502.97			45.27		20.96				
			IR-71 SB RESURFACING																		
		1	781+07.33	781+12.99	5.66			CADD AREA	1.42												
		1	781+12.99	781+89.00	76.01	4.00	4.00	4.00	33.79		7.51	33.79			3.05		1.41				
SUBTOTALS											7.51	7980.36			718.47		332.68				
TOTALS CARRIED TO SHEET 56											8	7980			718		333				
PLAN SPLIT #1 TOTAL											8	7980			718		333				
PLAN SPLIT #2 TOTAL																					

DESIGN AGENCY

DESIGNER DAB

REVIEWER EMK 10/15/21

PROJECT ID 87904

SHEET P.54 TOTAL 152

CUY-71-5.71 BARRIER

REF. NO.	SHEET NO.	PLAN SPLIT NO.	STATION TO STATION		LENGTH	BEGIN WIDTH	ENDING WIDTH	AVERAGE WIDTH	AREA		202 PAVEMENT REMOVED	254 PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 1.5"		305 9" CONCRETE BASE, CLASS QC 1P	407 NON-TRACKING TACK COAT	441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), 4"	442 ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, PG76-22M, 1.5"				
					FT.	FT.	FT.	FT.	SQ. YD.		SY	SY		SY	GAL	CY	CY				
			IR-71 SB RESURFACING (CONT.)																		
		1	806+46.28	806+83.73	37.45	4.00	4.00	4.00	16.65		0.70	16.65			1.50		0.70				
		1	806+83.73	807+23.73	40.00	4.00	3.00	3.50	15.56		3.34	15.56			1.41		0.65				
		1	807+23.73	807+33.73	10.00	3.00	3.00	3.00	3.34		1.40	3.34			0.31		0.14				
		1	807+33.73	807+73.73	40.00	3.00	4.00	3.50	15.56		3.35	15.56			1.41		0.65				
		1	807+73.73	822+77.04	1503.31	4.00	4.00	4.00	668.14		5.19	668.14			60.14		27.84				
		1	825+68.43	828+05.00	236.57	4.00	4.00	4.00	105.15			105.15			9.47		4.39				
		1	828+05.00	828+95.00	90.00	2.00	2.00	2.00	20.00			20.00			1.80		0.84				
		1	828+95.00	839+28.78	1033.78	4.00	4.00	4.00	459.46			459.46			41.36		19.15				
		1	841+05.09	851+75.00	1069.91	4.00	4.00	4.00	475.52			475.52			42.80		19.82				
		1	851+75.00	852+65.00	90.00	2.00	2.00	2.00	20.00			20.00			1.80		0.84				
		1	852+65.00	879+22.00	2657.00	4.00	4.00	4.00	1180.89			1180.89			106.29		49.21				
		1	879+28.00	902+23.67	2295.67	4.00	4.00	4.00	1020.30			1020.30			91.83		42.52				
		1	902+23.67	902+63.67	40.00	4.00	2.50	3.25	14.45			14.45			1.31		0.61				
		1	902+63.67	903+10.11	46.44	2.50	2.50	2.50	12.91			12.91			1.17		0.54				
		1	903+10.11	903+50.11	40.00	2.50	4.00	3.25	14.45			14.45			1.31		0.61				
		1	903+50.11	927+61.89	2411.78	4.00	4.00	4.00	1071.91			1071.91			96.48		44.67				
		1	929+39.91	939+01.15	961.24	4.00	4.00	4.00	427.22			427.22			38.45		17.81				
		1	940+55.57	941+66.00	110.43	4.00	4.00	4.00	49.08			49.08			4.42		2.05				
		1	941+66.00	942+06.00	40.00	4.00	3.00	3.50	15.56			15.56			1.41		0.65				
		1	942+06.00	942+16.00	10.00	3.00	3.00	3.00	3.34			3.34			0.31		0.14				
		1	942+16.00	942+56.00	40.00	3.00	4.00	3.50	15.56			15.56			1.41		0.65				
		1	942+56.00	942+70.00	14.00	4.00	4.00	4.00	6.23			6.23			0.57		0.26				
		1	942+70.00	943+60.00	90.00	2.00	2.00	2.00	20.00			20.00			1.80		0.84				
		1	943+60.00	953+63.26	1003.26	4.00	4.00	4.00	445.90			445.90			40.14		18.58				
		1	955+58.82	965+05.00	946.18	4.00	4.00	4.00	420.53			420.53			37.85		17.53				
		1	965+05.00	965+73.00	68.00	2.00	2.00	2.00	15.12			15.12			1.37		0.63				
		1	965+73.00	965+84.00	11.00	2.00	1.73	1.86	2.28			2.28			0.21		0.10				
		1	965+84.00	966+13.00	29.00	3.73	3.00	3.36	10.84			10.84			0.98		0.46				
		1	966+13.00	966+23.00	10.00	3.00	3.00	3.00	3.34			3.34			0.31		0.14				
		1	966+23.00	966+63.00	40.00	3.00	4.00	3.50	15.56			15.56			1.41		0.65				
		1	966+63.00	968+28.45	165.45	4.00	4.00	4.00	73.54			73.54			6.62		3.07				
		1	970+68.51	973+98.20	329.69	4.00	4.00	4.00	146.53			146.53			13.19		6.11				
		1	975+85.20	998+35.00	2249.80	4.00	4.00	4.00	999.92			999.92			90.00		41.67				
		1	998+35.00	998+75.00	40.00	4.00	3.00	3.50	15.56			15.56			1.41		0.65				
		1	998+75.00	998+85.00	10.00	3.00	3.00	3.00	3.34			3.34			0.31		0.14				
		1	998+85.00	998+93.00	8.00	3.00	3.20	3.10	2.76			2.76			0.25		0.12				
		1	998+93.00	999+25.00	32.00	1.20	2.00	1.60	5.69			5.69			0.52		0.24				
		1	999+25.00	999+51.00	26.00	2.00	2.00	2.00	5.78			5.78			0.53		0.25				
		1	999+51.00	1010+82.68	1131.68	4.00	4.00	4.00	502.97			502.97			45.27		20.96				
SUBTOTALS											13.98	8320.94			749.13		346.88				
TOTALS CARRIED TO SHEET 56											14	8321			749		347				
PLAN SPLIT #1 TOTAL											14	8321			749		347				
PLAN SPLIT #2 TOTAL																					

PAVEMENT SUBSUMMARY

CUY-71-5.71 BARRIER

DESIGN AGENCY

DESIGNER DAB

REVIEWER EMK 10/15/21

PROJECT ID 87904

SHEET P.55 TOTAL 152

REF. NO.	SHEET NO.	PLAN SPLIT NO.	STATION TO STATION		LENGTH	BEGIN WIDTH	ENDING WIDTH	AVERAGE WIDTH	AREA		202 PAVEMENT REMOVED	254 PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 1.5"		305 9" CONCRETE BASE, CLASS QC 1P	407 NON-TRACKING TACK COAT	441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), 4"	442 ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, PG76-22M, 1.5"				
					FT.	FT.	FT.	FT.	SQ. YD.		SY	SY		SY	GAL	CY	CY				
			IR-71 NB FULL DEPTH SHOULDER																		
P-1	70	1	828+05.00	828+95.00	90.00	2.00	2.00	2.00	20.00		14.45			20.00	3.60	2.23	0.84				
P-3	75	1	851+75.00	852+65.00	90.00	2.00	2.00	2.00	20.00		14.45			20.00	3.60	2.23	0.84				
P-5	80	1	879+22.00	879+28.00	6.00	4.00	4.00	4.00	2.67		2.67			2.67	0.49	0.30	0.12				
P-7	93	1	942+70.00	943+60.00	90.00	2.00	2.00	2.00	20.00		14.45			20.00	3.60	2.23	0.84				
P-9	98	1	965+05.00	965+84.00	79.00	2.00	2.00	2.00	17.56		12.33			17.56	3.17	1.96	0.74				
P-11	104	1	998+93.00	999+51.00	58.00	2.00	2.00	2.00	12.89		10.18			12.89	2.33	1.44	0.54				
			IR-71 SB FULL DEPTH SHOULDER																		
P-2	70	1	828+05.00	828+95.00	90.00	2.00	2.00	2.00	20.00		14.45			20.00	3.60	2.23	0.84				
P-4	75	1	851+75.00	852+65.00	90.00	2.00	2.00	2.00	20.00		14.45			20.00	3.60	2.23	0.84				
P-6	80	1	879+22.00	879+28.00	6.00	4.00	4.00	4.00	2.67		2.67			2.67	0.49	0.30	0.12				
P-8	93	1	942+70.00	943+60.00	90.00	2.00	2.00	2.00	20.00		14.45			20.00	3.60	2.23	0.84				
P-10	98	1	965+05.00	965+84.00	79.00	2.00	2.00	2.00	17.56		12.35			17.56	3.17	1.96	0.74				
P-12	104	1	998+93.00	999+51.00	58.00	2.00	2.00	2.00	12.89		10.18			12.89	2.33	1.44	0.54				
SUBTOTALS											137.08			186.24	33.58	20.78	7.84				
TOTALS CARRIED BELOW											137			186	34	21	8				
PLAN SPLIT #1 TOTAL											137			186	34	21	8				
PLAN SPLIT #2 TOTAL																					
TOTALS FROM SHEET 54											8	7980			718		333				
TOTALS FROM SHEET 55											14	8321			749		347				
TOTALS FROM THIS SHEET											137			186	34	21	8				
TOTALS CARRIED TO GENERAL SUMMARY											159	16301		186	1501	21	688				

PAVEMENT SUBSUMMARY

CUY-71-5.71 BARRIER

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 3/7/2022 TIME: 8:06:14 AM USER: dbrauer
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 12\Cuyahoga\87904\400-Engineering\Roadway\Sheets\87904_GS015.dgn

DESIGN AGENCY

DESIGNER DAB

REVIEWER EMK 10/15/21

PROJECT ID 87904