

SUMMARY OF QUANTITIES

	CODED NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
					ROADWAY	BRIDGE SN 060-3366	BRIDGE SN 060-3375	BRIDGE SN 060-3376
					(0004)	(0008)	(0010)	(0008)
	40800025	BITUMINOUS MATERIALS (PRIME COAT)	POUND	6726	6726			
	40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	582	582			
	42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	889	889			
	42001300	PROTECTIVE COAT	SQ YD	3666	3666			
	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	468	468			
	44000100	PAVEMENT REMOVAL	SQ YD	6304	6304			
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	185	185			
	44000400	GUTTER REMOVAL	FOOT	90	90			
	44004000	PAVED DITCH REMOVAL	FOOT	210	210			
	48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	1061	1061	△ 2		
	48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	48	48			
	48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	3519	3519			
	50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1			1	

S = SPECIALTY ITEMS

FILE NAME =	USER NAME = ljackson	DESIGNED - -	REVISED - △ 11/06/2023	COLLINSVILLE TOWNSHIP LEBANON ROAD OVER CSX RAILROAD	SUMMARY OF QUANTITIES			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#121		DRAWN - -	REVISED - -					772	10-04106-00-BR	MADISON	435	6
	PLOT SCALE = 20.0000' / in.	CHECKED - -	REVISED - -		SCALE:	SHEET NO. 4 OF 14 SHEETS	STA.	TO STA.	CONTRACT NO. 97790			
	PLOT DATE = 8/30/2023	DATE - -	REVISED - -									

SUMMARY OF QUANTITIES

	CODED NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
					ROADWAY	BRIDGE SN 060-3366	BRIDGE SN 060-3375	BRIDGE SN 060-3376
					(0004)	(0008)	(0010)	(0008)
	60240320	INLETS, TYPE B, TYPE 15 FRAME AND LID	EACH	1	1			
	60240324	INLETS, TYPE B, TYPE 20 FRAME AND GRATE	EACH	1	1			
	60263000	INLETS TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1			
	60500060	REMOVING INLETS	EACH	1	1			
	60600095	CLASS SI CONCRETE (OUTLET)	CU YD	15	15			
	60602800	CONCRETE GUTTER, TYPE B	FOOT	528	528			
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	6149	6149			
S	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	413	413	△		
S	63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	2			
S	63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4			
S	63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4	4			
S	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4	△		
S	63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	2	2	△		
	63200310	GUARDRAIL REMOVAL	FOOT	109	109			
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	28	28			

S = SPECIALTY ITEMS

FILE NAME =	USER NAME = ljackson	DESIGNED - -	REVISED - △ 11/06/2023	COLLINSVILLE TOWNSHIP LEBANON ROAD OVER CSX RAILROAD	SUMMARY OF QUANTITIES			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#121		DRAWN - -	REVISED - -					772	10-04106-00-BR	MADISON	435	13
	PLOT SCALE = 20,0000' / in.	CHECKED - -	REVISED - -		SCALE:	SHEET NO. 11 OF 14 SHEETS	STA.	TO STA.	CONTRACT NO. 97790			
	PLOT DATE = 8/30/2023	DATE - -	REVISED - -									

PIPE CULVERT SCHEDULE

LOCATION			TRENCH BACKFILL (CU YD)	CONTROLLED LOW-STRENGTH MATERIAL (CU YD)	PIPE CULVERTS						PRECAST REINFORCED CONCRETE FLARED END SECTIONS			CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS	METAL FLARED END SECTIONS	
					CLASS A, TYPE 1, 15" (FOOT)	CLASS A, TYPE 2, 36" (FOOT)	CLASS A, TYPE 3, 18" (FOOT)	CLASS A, TYPE 3, 30" (FOOT)	CLASS A, TYPE 3 EQUIVALENT ROUND-SIZE 84" (FOOT)	CLASS C, TYPE 1, 12" (FOOT)	CLASS C, TYPE 2, 12" (FOOT)	15"	18"	36"	30"	12"
												(EACH)	(EACH)	(EACH)	(EACH)	(EACH)
26+44.00	LEBANON	RT		1,377.0					243				1			
33+38.00	LEBANON	LT/RT	186.38					162					1			
50+55.50	LEBANON	RT							54					2		
53+63.64	LEBANON	LT							46					2		
225+50.00	LOCKMANN	LT/RT	91.98			121					2					
601+50.99	ARNOTTI	LT							50					2		
603+08.13	ARNOTTI	RT							24					2		
330+64.41	CONNECTOR	LT/RT	44.74			64					2					
331+67.77	CONNECTOR	RT							43					2		
332+50.00	CONNECTOR	LT/RT	5.11		30						2					
333+50.55	CONNECTOR	RT							30					2		
334+59.35	CONNECTOR	RT							27					2		
337+15.53	CONNECTOR	LT							40					2		
1+50	MOORE ENTRANCE	LT/RT										63		2		
401+20	PAULINE ENTRANCE	LT/RT			30						2					
SUBTOTAL			328.21	1,377	60	64	121	162	243	314	63	4	2	2	1	18
PAY TOTAL			328.2*	1377.0*	60	64	121	162	243	314	63	4	2*	2	1	18

*NOT A TOTAL QUANTITY

RIPRAP SCHEDULE

LOCATION			POROUS GRANULAR EMBANKMENT (TON)	STONE RIPRAP, CLASS A4 (SQ YD)	STONE DUMPED RIPRAP, CLASS A4 (TON)	FILTER FABRIC (SQ YD)	AGGREGATE DITCH (TON)
STATION TO STATION	SIDE	ROADWAY					
21+50	RT	LEBANON		6.67			6.67
23+00	RT	LEBANON		6.67			6.67
25+50	LT	LEBANON		44.11			44.11
25+50	RT	LEBANON		13.33			13.33
27+21 TO 28+40	LT	LEBANON	21.46		196.18		163.48
28+00	RT	LEBANON		10.00			10.00
31+50	RT	LEBANON		13.33			13.33
32+24 TO 32+75	RT	LEBANON		60.00			60.00
32+58 TO 34+25	RT	LEBANON					138.67 69.34
33+75 TO 34+76	LT	LEBANON					103.11 51.56
48+27 TO 48+87	LT	LEBANON		57.33			57.33
48+28 TO 49+10	RT	LEBANON		87.44			87.44
49+35 TO 49+47	RT	LEBANON		13.44			13.44
49+45 TO 49+62	RT	LEBANON		28.00			28.00
49+47.26	LT/RT	LEBANON	1039.98				
51+62	LT	LEBANON		20.00			20.00
53+50 TO 53+62	LT	LEBANON		5.33			5.33
54+03 TO 54+24	LT	LEBANON		9.78			9.78
224+50 TO 225+53	LT	LOCKMANN					98.22 49.11
224+75 TO 226+51	RT	LOCKMANN		168.89			168.89
232+37 TO 232+84	RT	LOCKMANN		162.22			162.22
232+62 TO 232+87	RT	LOCKMANN		26.67			26.67
232+71.84	LT/RT	LOCKMANN	539.99				
233+00	RT	LOCKMANN		10.00			10.00
234+96 TO 235+12	RT	LOCKMANN		16.67			16.67
601+76 TO 603+50	LT	ARNOTTI					154.67 77.34
602+50 TO 602+96	RT	ARNOTTI					41.33 20.67
603+20 TO 603+50	RT	ARNOTTI					26.67 13.34
330+64	LT	CONNECTOR		97.22			97.22
111+50	LT/RT	EX LOCKMANN		127.89			127.89
126+45	LT/RT	EX LEBANON		411.22			411.22
127+14 TO 127+71	LT/RT	LEBANON CUL-DE-SAC		66.11			66.11
0+90 TO 1+57	LT	MOORE ENTRANCE					42.56 21.28
1+48 TO 2+09	RT	MOORE ENTRANCE					65.00 32.50
SUBTOTAL			1601.43	1462.32	196.18	2296.03	335.14
PAY TOTAL			1602	1463	197	2297*	336

*NOT A TOTAL QUANTITY

CONTROLLED LOW-STRENGTH MATERIAL

LOCATION			CONTROLLED LOW-STRENGTH MATERIAL (CY)
STATION	SIDE	ROADWAY	
111+50	LT/RT	EX LOCKMANN	1182.90
126+45	LT/RT	EX LEBANON	590.30
SUBTOTAL			1773.20
PAY TOTAL			1774

*NOT A TOTAL QUANTITY

PERMANENT PAVEMENT MARKING SCHEDULE

LOCATION		PAINT PAVEMENT MARKING - LINE 4"		PAINT PAVEMENT MARKING - LINE 24"	PAVEMENT MARKING REMOVAL - WATER BLASTING (SQ FT)
		SOLID WHITE (FOOT)	SOLID YELLOW (FOOT)	SOLID WHITE (FOOT)	
16+00.00 TO 33+63.00	LEBANON	3423.0	3526.0		600.0
33+63.00 TO 49+68.00	LEBANON	3210.0	3210.0		
49+68.00 TO 50+51.00	LEBANON	83.0	166.0		
50+51.00 TO 54+00.00	LEBANON	698.0	698.0		
54+00.00 TO 57+77.07	LEBANON		754.0		251.3
220+35.00 TO 220+35.00	LOCKMANN			13.0	
220+35.00 TO 237+52.50	LOCKMANN	877.0	3435.0		
SUBTOTAL		8291.0	11789.0	13.0	851.3
PAY TOTAL		20080		13	852

TEMPORARY PAVEMENT MARKING SCHEDULE

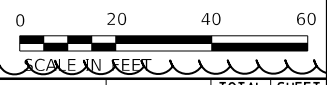
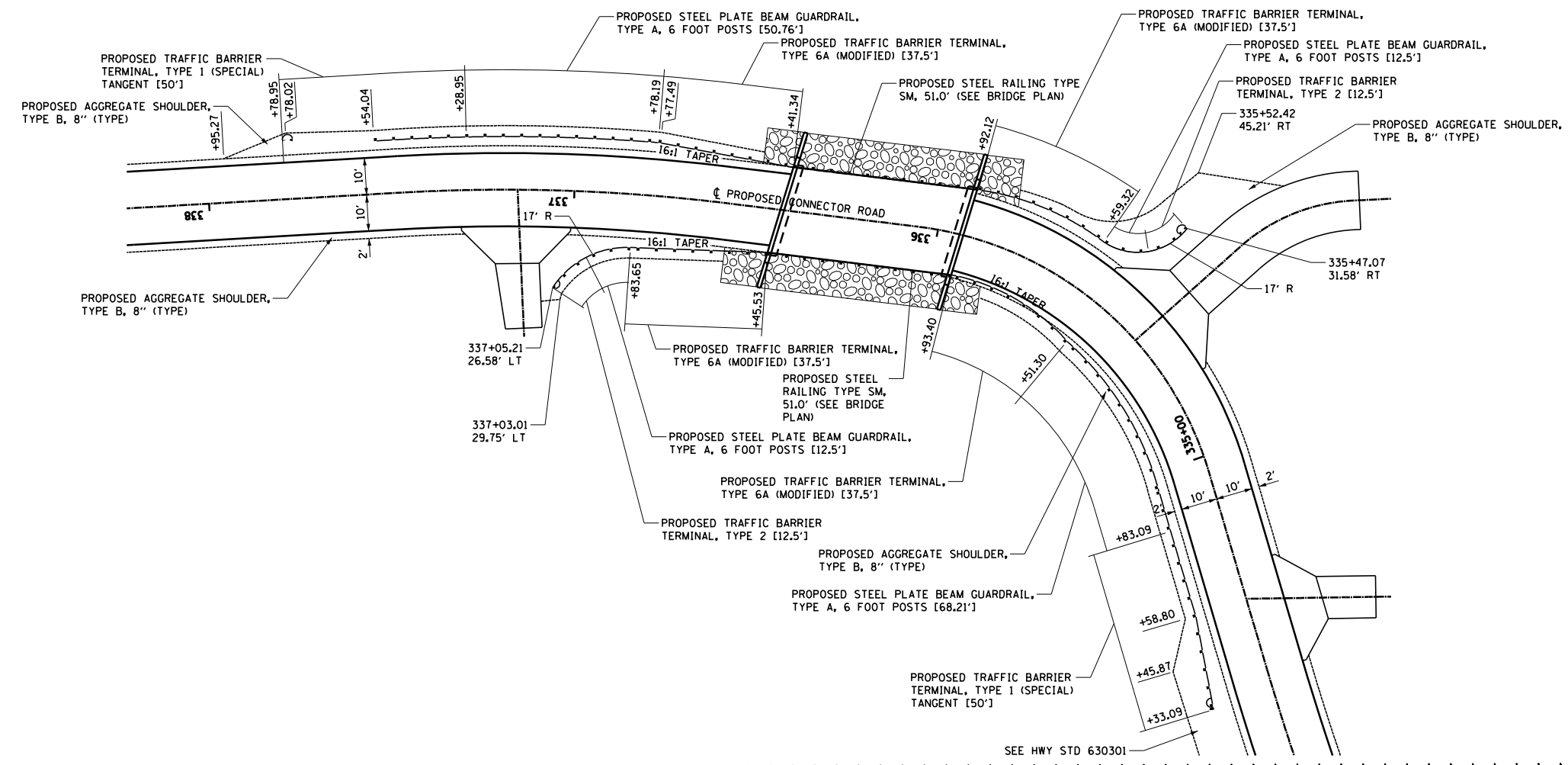
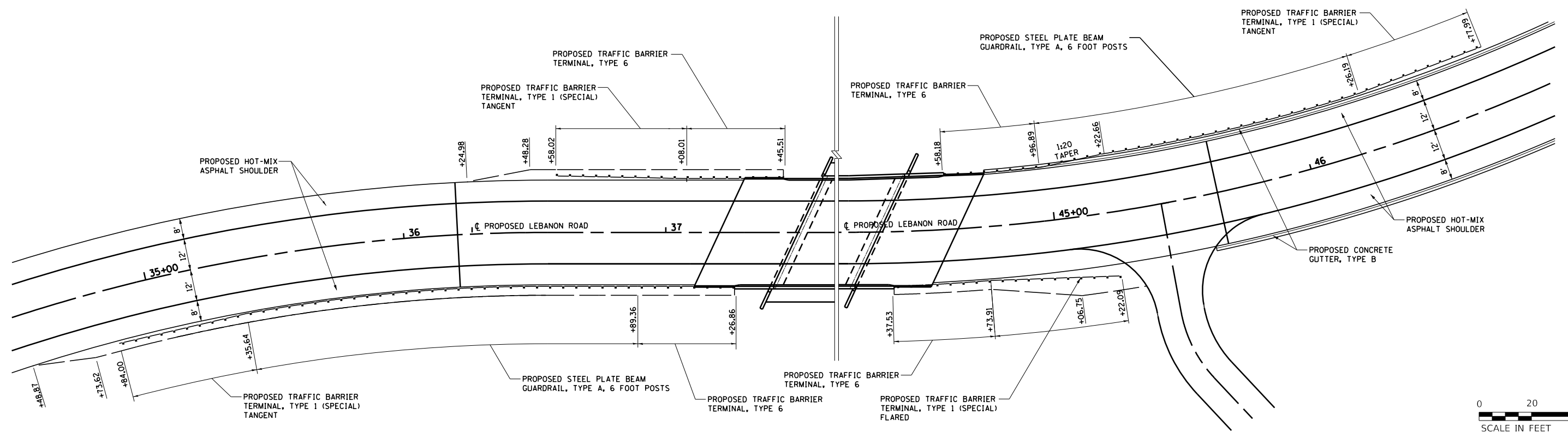
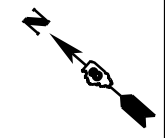
LOCATION		TEMPORARY PAVEMENT MARKING, LINE 4"		TEMPORARY PAVEMENT MARKING, LINE 24"	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL
		SOLID WHITE (FOOT)	SOLID YELLOW (FOOT)	SOLID WHITE (FOOT)	SOLID YELLOW (FOOT)	(SQ FT)
16+00.00 TO 33+63.00	LEBANON	3423.0	3526.0		352.6	117.7
33+63.00 TO 49+68.00	LEBANON	3210.0	3210.0		321.0	107.0
49+68.00 TO 50+51.00	LEBANON	83.0	166.0		16.6	5.7
50+51.00 TO 54+00.00	LEBANON	698.0	698.0		69.8	23.3
54+00.00 TO 57+77.07	LEBANON		754.0		75.4	25.0
220+35.00	LOCKMANN			13.0		
220+35.00 TO 237+52.50	LOCKMANN	849.0	3435.0		343.5	114.7
SUBTOTAL		8263.0	11789.0	13.0	1178.9	393.4
PAY TOTAL		20052		13	1179	394

SIGN SCHEDULE

LOCATION			MUTCD SIGN NO.	SIGN DESCRIPTION	SIGN DIMENSIONS (IN. X IN.)	SIGN PANEL - TYPE 1 (SQ FT)	WOOD SIGN SUPPORT (FOOT)
STATION	SIDE	ROADWAY					
21+00	RT	LEBANON	R2-1	SPEED LIMIT	24 X 30	5.00	15.00
43+00	LT/RT	LEBANON			30 X 30		
52+50	LT	LEBANON	R2-1	SPEED LIMIT	24 X 30	5.00	15.00
52+50	RT	LEBANON	R2-1	SPEED LIMIT	24 X 30	5.00	15.00
220+35	LT	LOCKMANN	R1-1	STOP SIGN	30 X 30	6.25	16.00
220+35	LT	LOCKMANN	STREET NAME SIGN A	STREET NAME	36 X 8	2.00	
220+35	LT	LOCKMANN	STREET NAME SIGN B	STREET NAME	36 X 8	2.00	
221+50	RT	LOCKMANN	R2-1	SPEED LIMIT	24 X 30	5.00	14.50
600+35	LT	ARNOTTI	R1-1	STOP SIGN	30 X 30	6.25	15.00
600+35	LT	ARNOTTI	STREET NAME SIGN D	STREET NAME	30 X 8	1.67	
600+60	RT	ARNOTTI	W14-1	DEAD END	30 X 30	6.25	13.50
330+30	RT	CONNECTOR	R1-1	STOP SIGN	30 X 30	6.25	14.50
330+30	RT	CONNECTOR	STREET NAME SIGN A	STREET NAME	36 X 8	2.00	
330+30	RT	CONNECTOR	STREET NAME SIGN C	STREET NAME	36 X 8	2.00	
SUBTOTAL						54.67	118.50
PAY TOTAL						55	119

GUARDRAIL SCHEDULE

LOCATION			GUARDRAIL REMOVAL (FOOT)	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (FOOT)	TRAFFIC BARRIER TERMINAL, TYPE 2 (EACH)	TRAFFIC BARRIER TERMINAL, TYPE 6 (EACH)	TRAFFIC BARRIER TERMINAL, TYPE 6A (EACH)	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT (EACH)	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED (EACH)	TERMINAL MARKER - DIRECT APPLIED (EACH)	GUARDRAIL REFLECTORS, TYPE A (EACH)
STATION TO STATION	SIDE	ROADWAY									
34484.00 TO 37+26.86	RT	LEBANON		150		1		1		1	4
36+58.02 TO 37+45.51	LT	LEBANON				1		1		1	4
44+37.53 TO 45+22.09	RT	LEBANON				1			1	1	4
44+58.18 TO 46+77.99	LT	LEBANON		125		1		1		1	4
127+38.00 TO 128+32.00	RT	EX LEBANON	102								
143+04.00 TO 143+10.00	LT	EX ARNOTTI	7								
335+47.04 TO 335+92.43	RT	CONNECTOR RD		12.5	1		1				4
334+33.76 TO 335+93.40	LT	CONNECTOR RD		62.5		1			1	1	4
336+41.34 TO 337+78.95	RT	CONNECTOR RD		50.0		1	1			1	4
336+45.53 TO 337+05.21	LT	CONNECTOR RD		12.5	1		1				4
SUBTOTAL			109	413	2	4	4	4	2	6	32
PAY TOTAL			109	413	2	4	4	4	2	6	32



FILE NAME =	USER NAME = l.jackson	DESIGNED - SJC	REVISED - ADD #2 - 11/06/23 - LWJ
S:\Projects\409-0027-0HY Lebanon Rd\dwg\guardrail detail.dgn		DRAWN - LEC	REVISED -
		CHECKED - LWJ	REVISED -
		DATE - 05-19-22	REVISED -

**COLLINSVILLE TOWNSHIP
LEBANON ROAD OVER CSX RAILROAD**

GUARDRAIL PLAN DETAILS

SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. 35+00.00 TO STA. 46+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
772	10-04106-00-BR	MADISON	435	201

CONTRACT NO. 97790

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq. Yd.	-	977	977
Filter Fabric	Sq. Yd.	-	977	977
Structure Excavation	Cu. Yd.	-	2,625	2,625
Floor Drains	Each	8	-	8
Concrete Structures	Cu. Yd.	28.0	1,504.8	1,532.8
Concrete Superstructure	Cu. Yd.	1,042.5	-	1,042.5
Bridge Deck Grooving	Sq. Yd.	3,149	-	3,149
Protective Coat	Sq. Yd.	3,968	-	3,968
Furnishing and Erecting Structural Steel	L. Sum	1	-	1
Stud Shear Connectors	Each	10,854	-	10,854
Reinforcement Bars, Epoxy Coated	Pound	294,600	308,650	603,250
Bridge Fence Railing	Foot	240	-	240
Slope Wall 4 Inch	Sq. Yd.	-	577	577
Furnishing Steel Piles HP12x53	Foot	-	1,628	1,628
Furnishing Steel Piles HP14x89	Foot	-	6,260	6,260
Driving Piles	Foot	-	7,888	7,888
Test Pile Steel HP12x53	Each	-	2	2
Test Pile Steel HP14x89	Each	-	6	6
Pile Shoes	Each	-	236	236
Name Plates	Each	1	-	1
Preformed Joint Strip Seal	Foot	97	-	97
Elastomeric Bearing Assembly, Type 1	Each	30	-	30
Anchor Bolts, 1 1/4"	Each	84	-	84
Granular Backfill for Structures	Cu. Yd.	-	260	260
Geocomposite Wall Drain	Sq. Yd.	-	124	124
Concrete Wearing Surface, 5"	Sq. Yd.	283	-	283
Precast Bridge Approach Slab	Sq. Ft.	2,340	-	2,340
Drainage Scuppers, DS-11	Each	1	-	1
Drainage System	L. Sum	1	-	1
Pipe Underdrains for Structures 4"	Foot	-	194	194

GENERAL NOTES

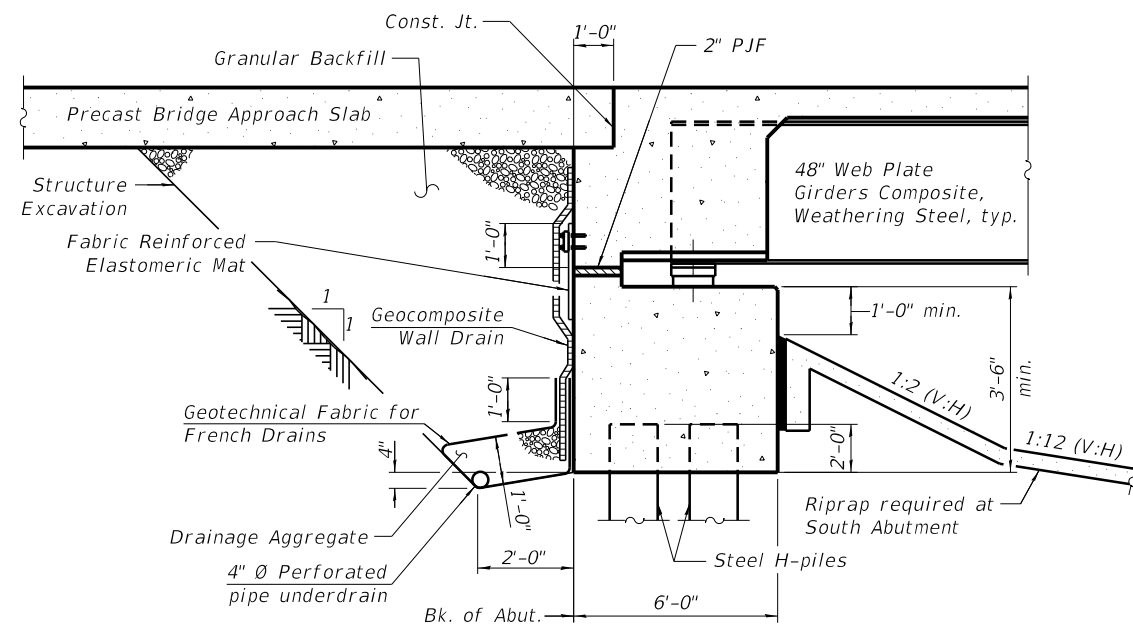
- Fasteners shall be AASHTO F3125 A325 Type 1, mechanically galvanized bolts in painted or metallized areas and ASTM F3125 Grade A325 Type 3 weathering steel bolts in unpainted areas. Bolts 7/8 in. Ø, holes 15/16 in. Ø, unless otherwise noted.
- Calculated weight of Structural Steel = 1,210,200 pounds (Grade 50W).
- All structural steel shall be AASHTO M 270 Grade 50W.
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars designated (E) shall be epoxy coated.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
- Structural steel shall only be painted for a distance equal to the depth of the embedment into the concrete cap plus 18 inches. Painted areas shall be primed in the shop with a Department-approved zinc rich primer. Field painting will not be required.
- All structural steel and exposed surfaces of bearings within a distance of 10 ft. each way from the deck joints shall be painted using the Inorganic Zinc-Rich/Waterborne Acrylic Paint System paint system as specified in Section 506 of the Standard Specifications.
- Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
- The concrete for bridge decks finished according to Article 503.16(a) of the Standard Specifications shall be placed and compacted parallel to the skew in uniform increments along centerline of bridge. The machine used for finishing shall be set parallel to the skew for striking off and screeding the concrete.
- See Guide Bridge Special Provisions for railroad requirements.

INDEX OF SHEETS

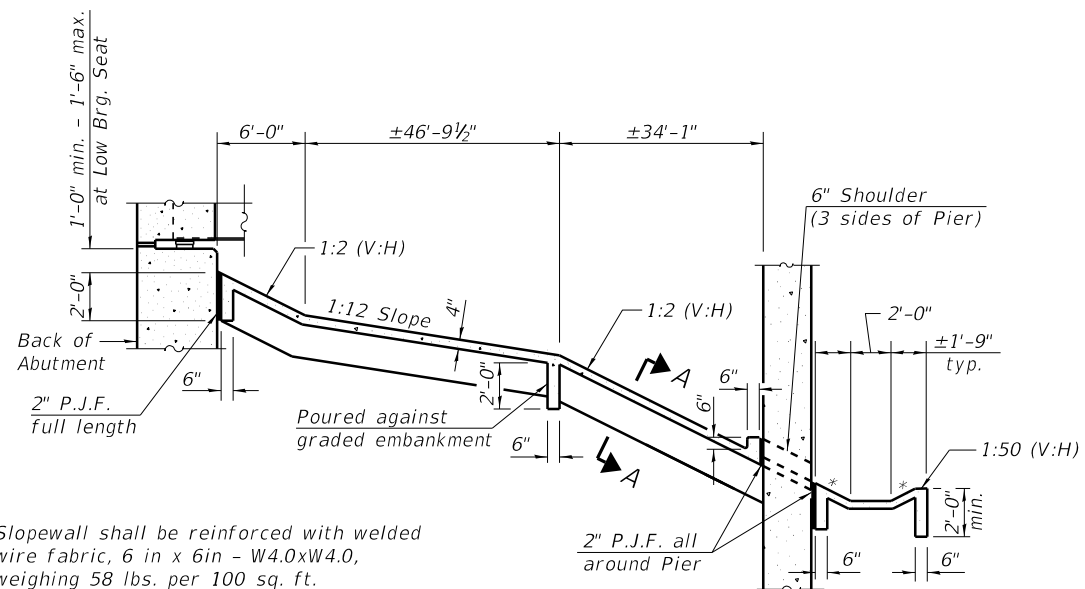
- General Plan & Elevation
- Profile and Curve Data
- General Data
- Top of Slab Elevations I
- Top of Slab Elevations II
- Top of Slab Elevations III
- Top of Slab Elevations IV
- Top of Slab Elevations V
- Top of Slab Elevations VI
- Top of Slab Elevations VII
- Top of North Approach Slab Elevations
- Top of South Approach Slab Elevations
- Superstructure I
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- Superstructure Details II
- Concrete Parapet Slipforming Option
- Bridge Fence Railing, Curved
- Drainage System
- Drainage Scupper, DS-11
- North Diaphragm Details
- South Diaphragm Details
- North Precast Bridge Approach Slab
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- Precast Bridge Approach Slab Details II
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- Pier 4 Details
- Pier 5 Details
- HP Pile Details
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- Soil Borings II
- Soil Borings III

TRIBUTARY TO CANTEN CREEK
 BUILT 20__ BY
 COLLINSVILLE TOWNSHIP
 F.A.S. RT. 772 SEC. 10-04106-00-BR
 STATION 40+91.78
 STR. NO. 060-3366 LOADING HL-93

NAME PLATE
 See Std. 515001



SECTION THRU SEMI-INTEGRAL ABUTMENT
 (Horiz. dim. & slopes at Rt. L's)



SECTION THRU CONCRETE SLOPEWALL AT PIER 1
 (All dimensions and slopes taken at Rt L's to Pier)

Sloped wall shall be reinforced with welded wire fabric, 6 in x 6 in - W4.0xW4.0, weighing 58 lbs. per 100 sq. ft.

Location	Track	Track Station	Top of Rail Elevation	Horizontal Cl. to Crashwall	Top of Crashwall Elevation	Ground Line Elevation	Bottom of Footing Elevation
Pier 1	North	17+61.71	519.24	39'-11 1/8"	525.24	517.00	509.94
Pier 1	North	17+95.70	519.09	27'-5 1/4"	525.24	516.70	509.94
Pier 2	South	6+80.94	520.17	27'-11 3/8"	526.17	516.00	511.50
Pier 2	South	7+14.71	520.04	39'-11 1/8"	526.17	516.00	511.50
Pier 3	-	-	-	-	506.25	501.25	496.75

TABLE OF ELEVATIONS/STATIONS & CLEARANCES FOR PIERS 1, 2 & 3

COLLINSVILLE TOWNSHIP
LEBANON ROAD OVER CSX RAILROAD

GENERAL DATA
STRUCTURE NO. 060-3366

SHEET 3 OF 44 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
772	10-04106-00-BR	MADISON	435	207
STRUCTURE NO. 060-3366			CONTRACT NO. 97790	

MODEL: Default
 FILE NAME: S:\Projects\409-0027-0HY Lebanon Rd.Bridges.dgn\Final Design\080603366-003-Gen Data.dgn



USER NAME = linda	DESIGNED - CPA	REVISED - ADD #1 - 10/30/23 - LWJ
Illinois Design Firm Number 184.001670	CHECKED - REB	REVISED - ADD #2 - 11/06/23 - LWJ
PLOT SCALE =	DRAWN - LEC	REVISED -
PLOT DATE = 6/26/2023 3:13:03 PM	CHECKED - REB	REVISED -