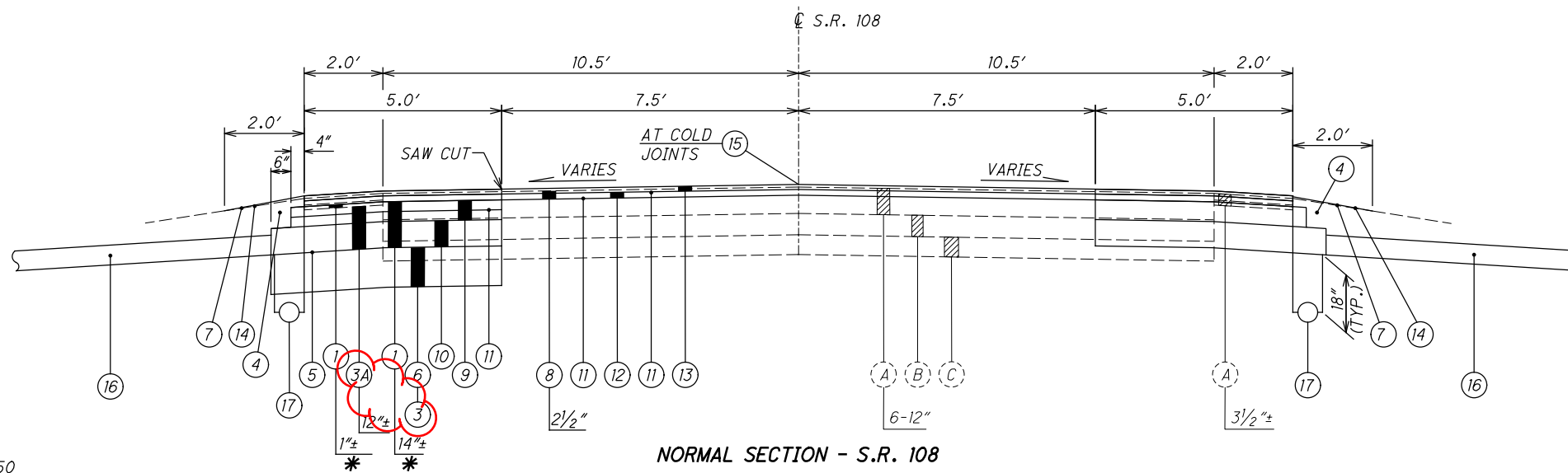


TYPICAL SECTION "A"

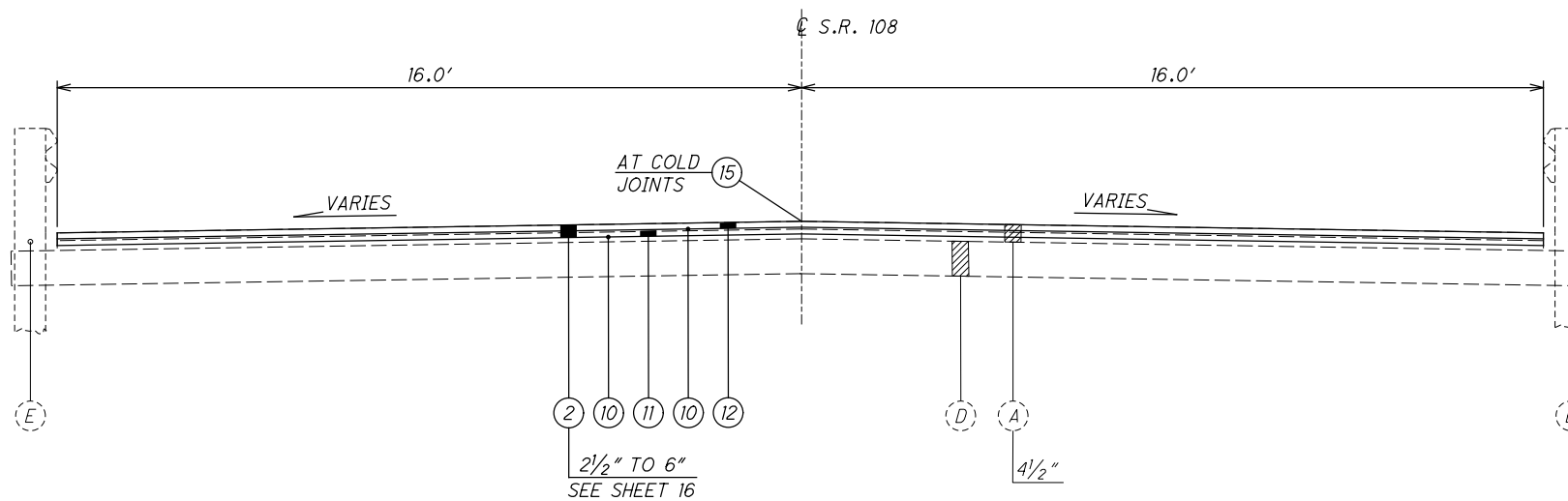


NORMAL SECTION - S.R. 108

TYPICAL SECTION APPLIES FROM: STA. 0+00 TO STA. 215+85 = 21,585 FT.
 STA. 219+95 TO STA. 278+61 = 5,866 FT.
 27,451 FT.

Δ STA. 0+00 TO STA. 8+00
 STA. 133+00 TO STA. 218+50
 STA. 220+00 TO STA. 278+61
 ΔΔ STA. 8+00 TO STA. 133+00
 STA. 218+50 TO STA. 220+00

TYPICAL SECTION "B"



BRIDGE TYPICAL SECTION - BRIDGE NO. HEN-108-0412

TYPICAL SECTION APPLIES FROM: STA. 215+85 TO STA. 219+95 = 410 FT.

CORE LIST			
MILE MARKER	DIRECTION	ASPHALT	CORE #
0.06	NB MAINLINE	9"	#1
0.06	NB SHOULDER	10"	#2
0.61	NB SHOULDER	4"	#3
0.61	NB MAINLINE	8"	#4
1.38	NB MAINLINE	8"	#5
1.85	NB MAINLINE	8 1/2"	#6
2.03	SB MAINLINE	14"	#11
3.64	SB MAINLINE	9 1/2"	#9
3.64	SB MAINLINE	6"	#10
3.65	NB MAINLINE	9"	#7
4.28	NB MAINLINE	12"	#8

PROPOSED LEGEND

- * ① ITEM 202 - PAVEMENT REMOVED, ASPHALT (THICKNESS AS SHOWN)
- ② ITEM 202 - WEARING COURSE REMOVED, AS PER PLAN
- ③ ITEM 203 - EXCAVATION OF SUBGRADE
- ③A ITEM 203 - 12" EXCAVATION
- ④ ITEM 203 - EMBANKMENT
- ⑤ ITEM 204 - SUBGRADE COMPACTION
- ⑥ ITEM 204 - 12" GRANULAR MATERIAL, TYPE C
- ⑦ ITEM 209 - LINEAR GRADING
- ⑧ ITEM 254 - 2 1/2" PAVEMENT PLANING, ASPHALT CONCRETE
- ⑨ ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22 (2 LIFTS 3" EACH)
- ⑩ ITEM 304 - 8" AGGREGATE BASE
- ⑪ ITEM 407 - NON-TRACKING TACK COAT
- ⑫ ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (446)
- ⑬ ITEM 441 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (446), PG64-22
- ⑭ ITEM 617 - COMPACTED AGGREGATE
- ⑮ ITEM 875 - LONGITUDINAL JOINT ADHESIVE
- ⑯ ITEM 611 - 6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS
- ⑰ ITEM 605 - 6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC

EXISTING LEGEND

- Ⓐ ASPHALT CONCRETE (THICKNESS AS SHOWN)
- Ⓑ 6 1/2"± BASE
- Ⓒ EXISTING MACADAM
- Ⓓ 9" REINFORCED CONCRETE
- Ⓔ EXISTING GUARDRAIL

* ITEM 202, PAVEMENT REMOVED DOES NOT INCLUDE TOP 2 1/2" COVERED UNDER PAVEMENT PLANING

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SHEET NUM.												PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
3	4	5	9	10	11	12	01/STR/PV	02/BRO/BR											
	486		30,484					30,970		202	23000	30,970	SY	PAVEMENT REMOVED					
				100				100		202	38000	100	FT	GUARDRAIL REMOVED					
				3				3		202	42001	3	EACH	ANCHOR ASSEMBLY REMOVED, TYPE A, AS PER PLAN			3		
				1				1		202	42040	1	EACH	ANCHOR ASSEMBLY REMOVED, TYPE T					
				4				4		202	47000	4	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED					
			11,855					11,855		203	10000	11,855	CY	EXCAVATION					
			2,439					2,439		203	20000	2,439	CY	EMBANKMENT					
			35,565					35,565		204	10000	35,565	SY	SUBGRADE COMPACTION					
			11,855					11,855		204	13000	11,855	CY	EXCAVATION OF SUBGRADE					
			11,855					11,855		204	30020	11,855	CY	GRANULAR MATERIAL, TYPE C					
			30,484					30,484		204	50100	30,484	SY	GEOTEXTILE FABRIC, 712.09, TYPE A					
				11				11		209	60500	11	MILE	LINEAR GRADING					
	9.95							9.95		209	72051	9.95	MILE	PREPARING SUBGRADE FOR SHOULDER PAVING, AS PER PLAN			3		
				213				213		606	15050	213	FT	GUARDRAIL, TYPE MGS					
				1				1		606	20050	1	EACH	ROUNDED END SECTION					
				3				3		606	26150	3	EACH	ANCHOR ASSEMBLY, MGS TYPE E, MASH2016					
				3				3		606	35140	3	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 4					
				1				1		606	35141	1	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 4, AS PER PLAN			6		
	1							1		SPECIAL	69050100	1	EACH	MAILBOX SUPPORT SYSTEM, SINGLE			4		
														EROSION CONTROL					
		200						200		659	15000	200	SY	INTER-SEEDING					
								LS		832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN					
								LS		832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS					
								LS		832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE					
								20,000		832	30000	20,000	EACH	EROSION CONTROL					
														DRAINAGE					
							29,000	26,170	55,170	605	14020	55,170	FT	6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC					
							1,015	945	1,960	611	00510	1,960	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS					
							29	27	56	611	99711	56	EACH	PRECAST REINFORCED CONCRETE OUTLET, AS PER PLAN			3		
														PAVEMENT					
	387							387		253	02000	387	CY	PAVEMENT REPAIR					
			82,311					82,311		254	01000	82,311	SY	PAVEMENT PLANING, ASPHALT CONCRETE					
	203		5,419					5,622		301	46000	5,622	CY	ASPHALT CONCRETE BASE, PG64-22					
			7,904					7,904		304	20000	7,904	CY	AGGREGATE BASE					
			17,938					17,938		407	20000	17,938	GAL	NON-TRACKING TACK COAT					
			3,481					3,542		441	10000	3,542	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG64-22					
	61		4,061					4,086		441	10200	4,086	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (446)					
	25							20		441	50000	20	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22					
	20		1,694					1,694		617	10100	1,694	CY	COMPACTED AGGREGATE					
			6,966					6,966		875	10000	6,966	LB	LONGITUDINAL JOINT ADHESIVE					
														TRAFFIC CONTROL					
							350	350		621	00100	350	EACH	RPM					
							60	60		621	54000	60	EACH	RAISED PAVEMENT MARKER REMOVED					
							7	7		626	00116	7	EACH	BARRIER REFLECTOR, TYPE 5, BIDIRECTIONAL					
	1							1		630	85100	1	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION					
							10.56	10.56		642	00104	10.56	MILE	EDGE LINE, 6", TYPE 1					
							5.28	5.28		642	00300	5.28	MILE	CENTER LINE, TYPE 1					

GENERAL SUMMARY

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STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	202	203	203	204	204	204	204	209	254	301	304	407	407	407	441	441	617	875	
							PAVEMENT REMOVED	EXCAVATION	EMBANKMENT	SUBGRADE COMPACTION	EXCAVATION OF SUBGRADE	GRANULAR MATERIAL, TYPE C	GEOTEXTILE FABRIC, 712.09, TYPE A	LINEAR GRADING	PAVEMENT PLANING, ASPHALT CONCRETE (T=2.5")	ASPHALT CONCRETE BASE, P664-22 (T=6")	AGGREGATE BASE (T=8")	NON-TRACKING TACK COAT @ 0.55 GAL/SQ. YD.	NON-TRACKING TACK COAT @ 0.085 GAL/SQ. YD.	NON-TRACKING TACK COAT @ 0.055 GAL/SQ. YD.	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), P664-22 (T=1.5")	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (446) (T=1.75")	COMPACTED AGGREGATE	LONGITUDINAL JOINT ADHESIVE	
							SY	CY	CY	SY	CY	CY	SY	MILE	SY	CY	CY	GAL	GAL	GAL	CY	CY	CY	LB	
FULL WIDTH RESURFACING																									
0+00.00	TO	215+85.00	A	LT/RT	21585.00	25.00	59958.33							7.81	59958.33			3297.71	5096.46		2498.26	2914.64		5396.25	
215+85.00	TO	217+45.00	A	LT/RT	160.00	25.00	444.44							0.06				24.44	37.78		18.52	21.60		40.00	
STR. HEN-108-0412 (91.28'x32')																									
218+36.00	TO	219+95.00	A	LT/RT	159.00	25.00	441.67							0.05				24.29	37.54		18.40	21.47		39.75	
219+95.00	TO	278+61.00	A	LT/RT	5866.00	25.00	16294.44							2.12	16294.44			896.19	1385.03		678.94	792.09		1466.50	
SHOULDER REPLACEMENT																									
0+00.00	TO	52+55.00	A	LT	5255.00	5.00	2919.44	2919.44	1135.34	233.56	3406.02	1135.34	1135.34	2919.44		519.01	756.89	160.57	248.15	160.57				162.19	
0+30.00	TO	26+20.00	A	RT	2590.00	5.00	1438.89	1438.89	559.57	115.11	1678.70	559.57	559.57	1438.89		255.80	373.05	79.14	122.31	79.14				79.94	
26+60.00	TO	52+69.00	A	RT	2609.00	5.00	1449.44	1449.44	563.67	115.96	1691.02	563.67	563.67	1449.44		257.68	375.78	79.72	123.20	79.72				80.52	
53+20.00	TO	91+24.00	A	LT	3804.00	5.00	2113.33	2113.33	821.85	169.07	2465.56	821.85	821.85	2113.33		375.70	547.90	116.23	179.63	116.23				117.41	
53+15.00	TO	91+32.00	A	RT	3817.00	5.00	2120.56	2120.56	824.66	169.64	2473.98	824.66	824.66	2120.56		376.99	549.77	116.63	180.25	116.63				117.81	
92+10.00	TO	132+24.00	A	LT	4014.00	5.00	2230.00	2230.00	867.22	178.40	2601.67	867.22	867.22	2230.00		396.44	578.15	122.65	189.55	122.65				123.89	
91+94.00	TO	105+66.00	A	RT	1372.00	5.00	762.22	762.22	296.42	60.98	889.26	296.42	296.42	762.22		135.51	197.61	41.92	64.79	41.92				42.35	
106+26.00	TO	132+34.00	A	RT	2608.00	5.00	1448.89	1448.89	563.46	115.91	1690.37	563.46	563.46	1448.89		257.58	375.64	79.69	123.16	79.69				80.49	
132+92.00	TO	158+60.00	A	LT	2568.00	5.00	1426.67	1426.67	554.81	114.13	1664.44	554.81	554.81	1426.67		253.63	369.88	78.47	121.27	78.47				79.26	
132+77.00	TO	158+61.00	A	RT	2584.00	5.00	1435.56	1435.56	558.27	114.84	1674.81	558.27	558.27	1435.56		255.21	372.18	78.96	122.02	78.96				79.75	
159+10.00	TO	217+45.00	A	LT	5835.00	5.00	3241.67	3241.67	1260.65	259.33	3781.94	1260.65	1260.65	3241.67		576.30	840.43	178.29	275.54	178.29				180.09	
159+19.00	TO	217+45.00	A	RT	5826.00	5.00	3236.67	3236.67	1258.70	258.93	3776.11	1258.70	1258.70	3236.67		575.41	839.14	178.02	275.12	178.02				179.81	
STR. HEN-108-0412																									
218+36.00	TO	264+65.00	A	LT	4629.00	5.00	2571.67	2571.67	1000.09	205.73	3000.28	1000.09	1000.09	2571.67		457.19	666.73	141.44	218.59	141.44				142.87	
265+26.00	TO	278+61.00	A	LT	1335.00	5.00	741.67	741.67	288.43	59.33	865.28	288.43	288.43	741.67		131.85	192.28	40.79	63.04	40.79				41.20	
218+36.00	TO	278+61.00	A	RT	6025.00	5.00	3347.22	3347.22	1301.70	267.78	3905.09	1301.70	1301.70	3347.22		595.06	867.80	184.10	284.51	184.10				185.96	
INTERSECTIONS																									
C.R. A				RT		14.00	506.00								506.00			27.83	43.01	27.83	21.08	24.60			
C.R. A2				RT		15.00	302.00								302.00			16.61	25.67	16.61	12.58	14.68			
C.R. B				LT		23.00	810.00								810.00			44.55	68.85	44.55	33.75	39.38			
C.R. B				RT		15.00	300.00								300.00			16.50	25.50	16.50	12.50	14.58			
C.R. Y				LT		17.00	797.00								797.00			43.84	67.75	43.84	33.21	38.74			
C.R. Y				RT		15.00	511.00								511.00			28.11	43.44	28.11	21.29	24.84			
C.R. C				RT		15.00	338.00								338.00			18.59	28.73	18.59	14.08	16.43			
C.R. C2				LT		15.00	700.00								700.00			38.50	59.50	38.50	29.17	34.03			
C.R. C2				RT		15.00	366.00								366.00			20.13	31.11	20.13	15.25	17.79			
C.R. D				LT		15.00	444.00								444.00			24.42	37.74	24.42	18.50	21.58			
C.R. D				RT		15.00	493.00								493.00			27.12	41.91	27.12	20.54	23.97			
C.R. F				LT		15.00	491.00								491.00			27.01	41.74	27.01	20.46	23.87			
SUBTOTALS							30483.89	11854.85	2438.71	35564.54	11854.85	11854.85	30483.89	10.04	82310.78	5419.36	7903.23	6257.46	9670.62	2009.80	3480.06	4060.07	1693.55	6965.32	
TOTALS CARRIED TO GENERAL SUMMARY							30484	11855	2439	35565	11855	11855	30484	11	82311	5419	7904	6257	9671	2010	3481	4061	1694		6966

PAVEMENT CALCULATIONS

HEN-108-0.00

CALCULATED
TLM
CHECKED
JMF