

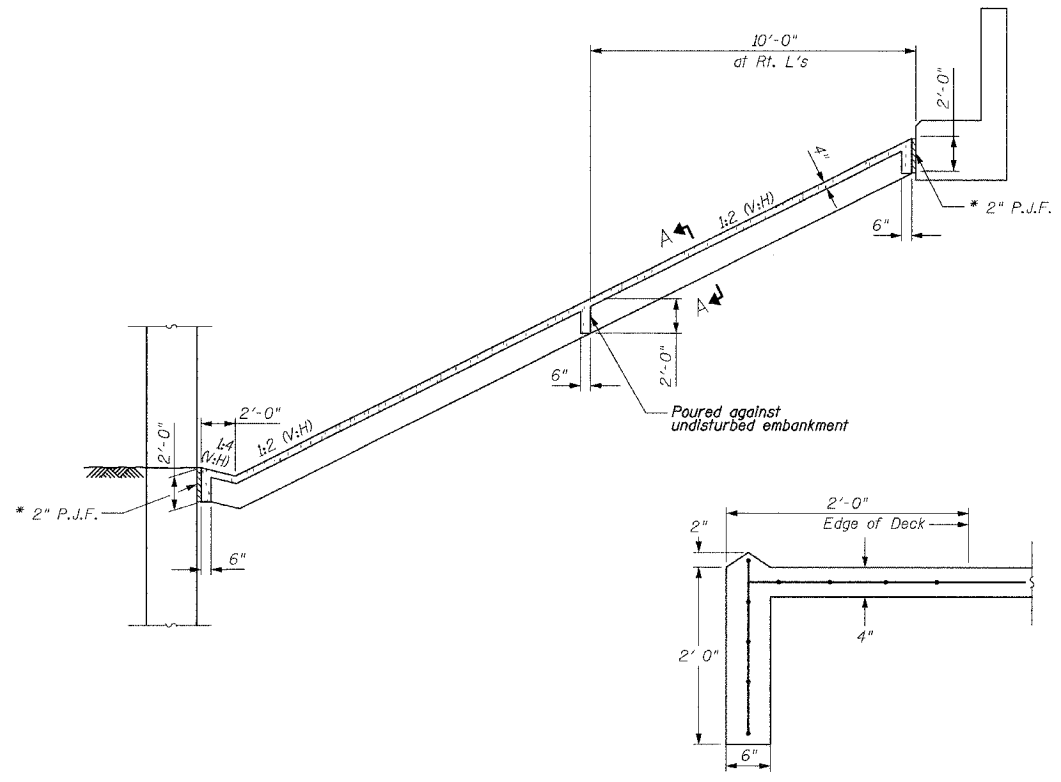
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	00-00094-03-BR	COOK	69	44
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
Sheet SB-2	of SB-22	CONTRACT	83850	

**GENERAL NOTES**

- Fasteners shall be high strength bolts (AASHTO M 164, Type 3 in unpainted areas and mechanically galvanized AASHTO M 164, Type 1 or Type 2 in painted areas). Bolts 3/4"  $\phi$ , open holes 5/8"  $\phi$ , unless otherwise noted.
- Calculated weight of Structural Steel = Grade 50=90,405 Lbs.  
Grade 36=23,024 Lbs.
- Field welding of construction accessories will not be permitted to beams or girders.
- Anchor bolts shall be set before bolting diaphragms over supports.
- The structural steel bearing plates of the Elastomeric Bearing Assembly shall conform to the requirements of AASHTO M270 Grade 50.
- The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2.
- Reinforcement bars shall conform to the requirements of AASHTO M-31 or M-322 Grade 60.
- Slope wall shall be reinforced with welded wire fabric, 6" x 6" -W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.
- Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price for the work.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two 1/8" adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims. For Type I Elastomeric Bearings, two 1/8" adjusting shims shall be provided for each bearing and placed as detailed.
- Bridge Seat Sealer shall be applied to the seat area of both abutments.
- All construction joints shall be bonded.
- The roadway signs that hang from each fascia beam below the bridge shall be removed and salvaged prior to removal of the superstructure and reinstalled once the new beams are set.
- All new structural steel shall be galvanized. The fascia and underside of the exterior beams and their associated splice plates shall be painted with the acrylic system. The color of the final finish coat shall be Reddish Brown, Munsell No. 2.5 YR 3/4. See Special Provision for "Hot Dip Galvanizing for Structural Steel".
- The existing structure steel coating contains lead. The contractor shall take appropriate precautions to deal with the presence of lead on this project.
- The existing restricted clearance at the structure must not be reduced while the tracks are in service.

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- SB-1 General Plan & Elevation
- SB-2 General Notes & Quantities
- SB-3 Cantilever Forming Brackets
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- SB-5 Top of Slab Elevations II
- SB-6 Deck Reinforcement Plan & Cross Section
- SB-7 Deck Details
- SB-8 Concrete Barrier Details
- SB-9 Framing Plan & Beam Elevation
- SB-10 Diaphragm & Splice Details
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- SB-12 Bearing Details II
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- SB-15 Anchor Bolt Details for Bearings
- SB-16 Limits of Removal
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- SB-21 Bar Splicer Assembly Details
- SB-22 Bridge Approach Pavement (Special)



**SECTION A-A**

**SLOPEWALL DETAIL**

\* Preformed Joint Filler (P.J.F.) incidental to Pay Item Slope Wall, 4"

**TOTAL BILL OF MATERIAL**

NUMBER	ITEM	UNIT	SUPER.	SUB	TOTAL
1	Bridge Approach Pavement	Sq. Yd.	77		77
2	Protective Coat	Sq. Yd.	580		580
3	Bridge Approach Pavement, Special	Sq. Yd.	83		83
4	Approach Slab Removal	Sq. Yd.	62		62
5	Removal of Existing Superstructures No. 2	Each	1		1
6	Concrete Removal	Cu. Yd.		11.7	11.7
7	Concrete Structures	Cu. Yd.		18.3	18.3
8	Concrete Superstructures	Cu. Yd.	144.2		144.2
9	Bridge Deck Grooving	Sq. Yd.	321		321
10	Elastomeric Bearing Assembly, Type I	Each	28		28
11	Structural Repair of Concrete (Depth Equal to or Less than 5")	Sq. Ft.		75	75
12	Stud Shear Connectors	Each	1,932		1,932
13	Reinforcement Bars, Epoxy Coated	Lb.	34,972	1,261	36,233
14	Slope Wall, 4 Inch	Sq. Yd.		275	275
15	Name Plates	Each	1		1
16	Bridge Seat Sealer	Sq. Ft.		111	111
17	Epoxy Crack Sealing	Foot		43	43
18	Bridge Joint System (Expansion), 1"	Foot		59	59
19	Furnishing and Erecting Structural Steel, Bridge No.2	L. Sum	1		1
20	Concrete Barrier Wall (Special)	Cu. Yd.	27.0		27.0
21	Bar Splicers	Each		44	44
22	Protective Shield	Sq. Yd.		469	469

\* - Special Provision

REVISIONS	
NAME	DATE

**GG** **Clorba Group, Inc.**  
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VILLAGE OF WINNETKA, ILLINOIS  
 GENERAL NOTES AND QUANTITIES  
 ELDORADO STREET OVER THE UNION PACIFIC R.R.  
 R.R. MILE POST 17.26 KENOSHA SUBDIVISION  
 COOK COUNTY STA. 201+07.21  
 STRUCTURE NO. 016-8260

SCALE: NONE  
 DATE: JUNE 2006  
 FILE: 3278

DRAWN BY: RCD  
 DESIGN BY: BWS  
 CHECKED BY: SCD

DATE: 7/21/2006  
 FILENAME: N:\PROJ\8278\El Dorado\Structural\El Dorado\_8278\CAD\Final\_revised\8278-eldo-grap01.dgn