

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.S. 1671	SECTION ‡	COUNTY DOUGLAS	TOTAL SHEETS 181	SHEET NO. 86
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

SHEET NO. 2
46 SHEETS

Contract #70258
‡ 22VBR-1 and 144SBR-2

**GENERAL NOTES FOR
BOTH STRUCTURES**

Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 322 Grade 60.

The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.

All Construction joints shall be bonded.

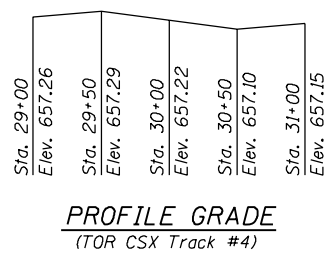
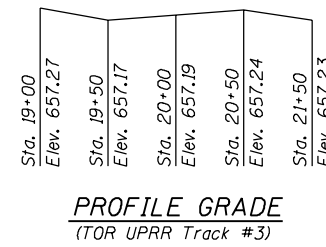
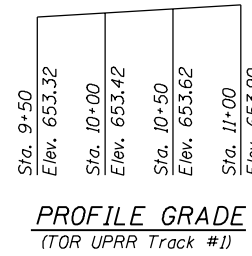
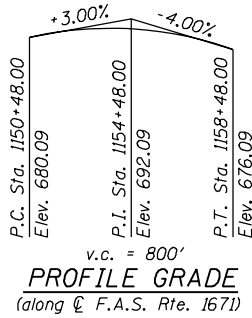
Sloped wall 4" shall be reinforced with welded wire fabric, 6" x 6" - W4.0 x W4.0, weighing 58 Lbs. per 100 sq. ft.

The Contractor is advised that the existing PPC deck beams are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the beams when developing procedures for removal of the existing structure. Before starting work, the contractor shall submit a demolition procedure for the removal of the existing structure to the Engineer for approval. The demolition procedure is to be prepared by an Illinois licensed structural engineer. Cost included with Removal of Existing Structures.

Embankment between the bridges shall be placed prior to any bridge construction.

**BOTH STRUCTURES
TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.		271	271
Removal of Existing Structures No. 2	Each			1.0
Structure Excavation	Cu. Yd.		582	582
Driving Steel Piles	Foot		3155	3155
Concrete Structures	Cu. Yd.		521.4	521.4
Concrete Superstructure	Cu. Yd.	495.2		495.2
Bridge Deck Grooving	Sq. Yd.	1313		1313
Protective Coat	Sq. Yd.	1730		1730
Furnishing and Erecting Precast Prestressed Concrete I Beams, 42"	Foot	1195		1195
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	3330		3330
Reinforcement Bars, Epoxy Coated	Pound	100990	36660	137650
Sloped wall 4"	Sq. Yd.		57	57
Bituminous Coated Aggregate Sloped wall 6"	Sq. Yd.		1105	1105
Furnishing Steel Piles HP 12x53	Foot		2135	2135
Furnishing Steel Piles HP 12x63	Foot		325	325
Furnishing Steel Piles HP 12x74	Foot		695	695
Test Pile Steel HP 12x53	Each		5	5
Test Pile Steel HP 12x63	Each		1	1
Test Pile Steel HP 12x74	Each		2	2
Temporary Sheet Piling	Sq. Ft.		416	416
Name Plates	Each	2		2
Geocomposite Wall Drain	Sq. Yd.		148	148
Pipe Underdrains for Structures, 4"	Foot		286	286
Diamond Grinding (Bridge Section)	Sq. Yd.	1673		1673
Bar Splicers	Each	128		128

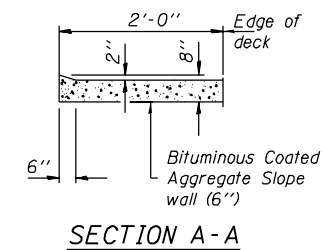
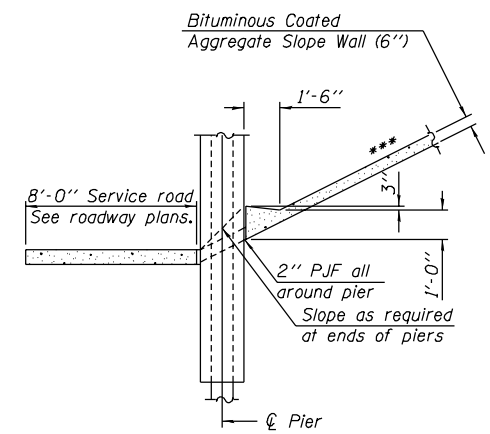
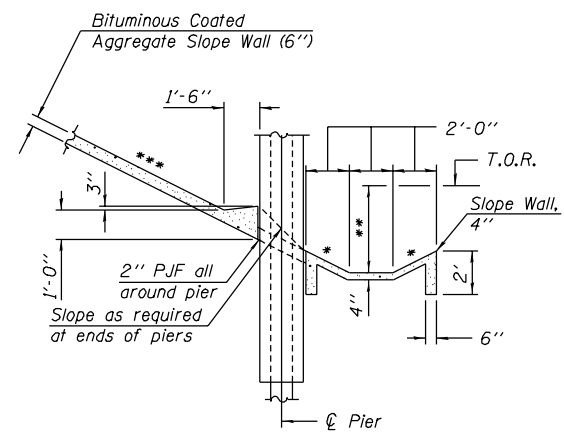


CURVE DATA
(C UPRR Track #1)
P.I. Sta. = 10+70.24
Δ = 36°-13'-31"
D = 10°-09'-42"
R = 563.85'
T = 184.43'
L = 356.49'
P.C. Sta. = 8+85.81
P.T. Sta. = 12+42.30

CURVE DATA
(C UPRR Track #3)
P.I. Sta. = 18+53.36
Δ = 8°-50'-20"
D = 2°-24'-26"
R = 2,380.04'
T = 183.95'
L = 367.16'
P.C. Sta. = 16+69.42
P.T. Sta. = 20+36.58

CURVE DATA
(C CSX Track #4)
P.I. Sta. = 30+11.16
Δ = 16°-36'-20"
D = 4°-53'-52"
R = 1,169.81'
T = 170.72'
L = 339.04'
P.C. Sta. = 28+40.44
P.T. Sta. = 31+79.48

INDEX OF SHEETS
(both structures)
1 - 2 General Plan & Elevation and Details
3 - 24 Bridge Plans (021-0061)
25 - 43 Bridge Plans (021-0060)
44 - 46 Soil Boring Logs



DESIGNED	Curt M. Evoy
CHECKED	Rebecca L. Tharp
DRAWN	Michael B. Mossman
CHECKED	C.M.E. / R.L.T.

August 4, 2006
EXAMINED *Thomas J. Domagala*
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES

- * 1:4 (V:H)
- ** 4'-0" Max. (021-0061)
3'-0" Max. (021-0060)
- *** 1:2 (V:H) minimum slope at right angles. Slope bituminous coated aggregate slope wall to match the concrete slope wall.

DETAILS
U.S. ROUTE 45 OVER
UNION PACIFIC & CSX RAILROADS
F.A.S. ROUTE 1671 - SEC. 22VBR-1
DOUGLAS COUNTY
STATION 1151+65.86 (SOUTH)
STATION 1154+99.02 (NORTH)
STRUCTURE NO. 021-0061 (SOUTH)
STRUCTURE NO. 021-0060 (NORTH)