

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 227	98-11120-00-BR	JEFFERSON	35	2
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 98A37				

INDEX OF SHEETS

1. COVER SHEET
2. SUMMARY OF QUANTITIES
3. TYPICAL SECTIONS
- 4.-6. PLAN AND PROFILE OF ROADWAY
- 7.-13. CROSS SECTIONS OF ROADWAY
- 14.-15. CROSS SECTIONS OF RAILROAD
- 16.-18. EROSION CONTROL PLAN
19. GENERAL PLAN AND ELEVATION OVERFLOW BRIDGE
20. PPCDB OVERFLOW BRIDGE
21. STEEL RAILING, TYPE S1 DETAILS OVERFLOW BRIDGE
22. ABUTMENT DETAILS OVERFLOW BRIDGE
23. GENERAL PLAN AND ELEVATION MAIN STRUCTURE
24. GENERAL DATA MAIN STRUCTURE
- 25.-26. PPCDB MAIN STRUCTURE
27. STEEL RAILING, TYPE S1 DETAILS (SPECIAL) MAIN STRUCTURE
28. RAIL POST SPACING MAIN STRUCTURE
29. ABUTMENT DETAILS MAIN STRUCTURE
30. PIER DETAILS MAIN STRUCTURE
31. GENERAL PLAN AND ELEVATION FIELD ENTRANCE BRIDGE
32. ABUTMENT DETAILS FIELD ENTRANCE BRIDGE
33. STEEL FRAMING DETAILS FIELD ENTRANCE BRIDGE
34. ANCHOR BOLT DETAILS FIELD ENTRANCE BRIDGE
35. PRECAST CONCRETE BRIDGE SLAB DETAILS FIELD ENTRANCE BRIDGE

STANDARDS ARE INCLUDED IN PLANS AFTER SHEET NO. 35

- | | |
|-----------|---|
| 000001-04 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 280001-02 | TEMPORARY EROSION CONTROL SYSTEMS |
| 515001-02 | NAME PLATE FOR BRIDGES |
| 542301 | PRECAST REINFORCED CONCRETE FLARED END SECTION |
| 630001-05 | STEEL PLATE BEAM GUARD RAIL |
| 630301-03 | SHOULDER WIDENING FOR TYPE 1 GUARDRAIL TERMINALS |
| 631026-02 | TRAFFIC BARRIER TERMINAL, TYPE 5 & 5A |
| 635006-02 | REFLECTOR AND TERMINAL MARKER PLACEMENT |
| 702001-05 | TRAFFIC CONTROL DEVICES |
| BLR 21-6 | TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS |

SOIL BORINGS (SEE SPECIFICATIONS)

GENERAL NOTES

Centerline profiles refer to the finished surface.

Any reference to a Standard in these plans shall be interpreted to mean the edition as indicated by the sub-number listed in the Index of Sheets or the copy of the Standard included in these plans.

Existing utilities shown are located from surface observations or information provided by the respective utilities and must be considered approximate. There may be others, the exact location of which are unknown and not shown. The Contractor will be responsible for notifying the respective utilities before work is begun. Field marking of underground utilities may be obtained by providing a minimum of 48 hours advance notice through the J.U.L.I.E. system by calling 1-800-892-0123, or by direct contact with non-members of J.U.L.I.E.

The nominal thickness for surface course is shown on the Typical Sections, Standards, Schedules, or Special Details. The constructed thickness of the above item shall not be less than 90 percent of the nominal thickness at any location.

Factors used for quantity calculations are as follows:

- | | |
|----------------------------|--------------------|
| Porous Granular Embankment | 2.1 tons/cu. yd. |
| Stone Dumped Riprap | 130 pounds/cu. ft. |
| Aggregate Courses | 2.1 tons/cu. yd. |
| Bituminous Materials | 0.4 gallon/sq. yd. |

UTILITIES

- | | |
|---------------------------|--------------|
| Water | |
| City of Mount Vernon | 618-242-5000 |
| Electric | |
| Tri-County Electric Co-Op | 618-244-5151 |
| Sue Echols | |

SUMMARY OF QUANTITIES

Location				Bridge	Roadway
				Construct.	Type Code
Code No.	Item	Unit	Quantity	X080	E000
* 20200100	Earth Excavation	Cu Yd	314	-	314
20300100	Channel Excavation	Cu Yd	2324	2324	-
* 20400800	Furnished Excavation	Cu Yd	72155	-	72155
* 20700110	Porous Granular Embankment	Ton	159	159	-
* 21001000	Geotechnical Fabric for Ground Stabilization	Sq Yd	4403	-	4403
* 25001000	Seeding, Class 2 (Special)	Acre	3.9	-	3.9
28000250	Temporary Erosion Control Seeding	Pound	1560	-	1560
28000300	Temporary Ditch Checks	Each	6	-	6
28000400	Perimeter Erosion Barrier	Foot	4940	-	4940
28000500	Inlet and Pipe Protection	Each	2	-	2
* 28100807	Stone Dumped Riprap, Class A4	Ton	820	820	-
* 35101400	Aggregate Base Course, Type B	Ton	2054	-	2054
* 40200800	Aggregate Surface Course, Type B	Ton	188	-	188
40300100	Bituminous Materials (Prime Coat)	Gallon	1937	-	1937
40300300	Bituminous Materials (Cover and Seal Coats)	Gallon	5283	-	5283
40300500	Cover Coat Aggregate	Ton	110	-	110
40300600	Seal Coat Aggregate	Ton	55	-	55
* 42001400	Bridge Approach Pavement (Special)	Sq Yd	100.8	100.8	-
* 50100100	Removal of Existing Structures	Each	1	1	-
50300225	Concrete Structures	Cu Yd	301.0	301.0	-
* 50400605	Precast Prestressed Concrete Deck Beams (33" Depth)	Sq Ft	9122	9122	-
* 50500105	Furnishing and Erecting Structural Steel	L Sum	1	1	-
50800105	Reinforcement Bars	Pound	41950	41950	-
50900205	Steel Railing, Type S1	Foot	164	164	-
50901305	Steel Railing, Type S1 (Special)	Foot	604	604	-
51201600	Furnishing Steel Piles HP12x53	Foot	1242	1242	-
51201610	Furnishing Steel Piles HP12x63	Foot	2297	2297	-
51202700	Driving Steel Piles	Foot	3539	3539	-
51203600	Test Pile Steel HP12x53	Each	3	3	-
51203610	Test Pile Steel HP12x63	Each	1	1	-
* 51205200	Temporary Sheet Piling	Sq Ft	920	920	-
51500100	Name Plates	Each	2	2	-
54213663	Precast Reinforced Concrete Flared End Sections 18"	Each	4	-	4
542A0223	Pipe Culverts, Class A, Type 1 18"	Foot	52	-	52
63000000	Steel Plate Beam Guard Rail, Type A	Foot	1612.5	-	1612.5
63100075	Traffic Barrier Terminal, Type 5A	Each	8	-	8
63100167	Traffic Barrier Terminal Type 1, Special (Tangent)	Each	6	-	6
67100100	Mobilization	L Sum	1	-	1
78201000	Terminal Marker - Direct Applied	Each	6	-	6
* XX005977	Controlled Low-Strength Materials (CLSM)	Cu Yd	21.6	21.6	-
* Z0048665	Railroad Protective Liability Insurance	L Sum	1	1	-
* XX006333	Setting Precast Concrete Bridge Slabs	L Sum	1	1	-

* See Special Provisions

SUMMARY OF QUANTITIES
PROPOSED BRIDGE OVER
UNION PACIFIC RAILROAD AND CASEY FORK
TR 227 (GREEN ROAD)
SECTION 98-11120-00-BR
JEFFERSON COUNTY, ILLINOIS

Sheet
2
of 35
Job No. 52303

06/24/2005