

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------|---------|---------------------------|--------------|-----------|
| 789 | 54BR-1 | MADISON | 62 | 50 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

STATE OF ILLINOIS

GENERAL NOTES

It shall be the responsibility of the Contractor to verify all dimensions and conditions existing in the field prior to construction and ordering of materials. All reinforcement bars shall be dipped 24 diameters unless otherwise shown.

An alternate strand pattern using Extra High Strength Restressing strand (270 K-31), is permitted. Expansion bolts shall consist of self-drilling expansion anchors and 3/4" hooked bolts. Hooked bolts shall extend a minimum of 10" into new concrete unless otherwise shown.

The basic lead silico chromate paint system shall be used for shop and field painting of Structural Steel. The Contractor installing steel piles in a permanent location, 18" in diam, 14' pier & 1' 10" pier & as directed by the Engineer before ordering the remainder of piles.

TOTAL BILL OF MATERIAL

| Item | Unit | Super | Sub | Total |
|-----------------------------------|----------|--------|-----|--------|
| Precast Prest. Conc. Slabs (17') | Sq. Ft. | 11,133 | | 11,133 |
| Class I Concrete | Cu Yds | 120 | | 120 |
| Reinforcement Bars | Lbs. | 30,000 | | 30,000 |
| Steel Piling Type N | Lin. Ft. | 285 | | 285 |
| Bit Conc Surf. Course Class 1 | Tons | 143 | | 143 |
| Coal Tar Intermediate Product (1) | Sq. Yds | 1,250 | | 1,250 |
| Steel Piles (18" x 36') | Each | 328 | | 328 |
| Expansion Bolts 3/4" | Each | 328 | | 328 |
| Concrete Removal | Cu Yds | 8 | | 8 |
| Part. Em. Spec. Coat Type I (1) | Sq. Yds | 1 | | 1 |
| Removal of Exst. Superst. | Each | 1 | | 1 |
| Channel Excavation | Cu Yds | 5,200 | | 5,200 |
| Name Plates | Each | 1 | | 1 |
| Structure Excavation | Cu Yds | 165 | | 165 |
| Test Piles Steel (18" x 36') | Each | 3 | | 3 |
| Structural Steel | Lbs. | 2,740 | | 2,740 |
| Reformed Joint Sealant | Lin. Ft. | | | 132 |

DESIGN STRESSES

FIELD UNITS

Re: 1400 psi Sub
Re: 3000 psi. Plain Structural
v. 75 psi. Forming
P-10
PRECAST REINFORCED UNITS
Re: 3000 psi
Re: 4000 psi
Re: 200,000 psi Strands
Re: 17,000 psi Strands

LOADING H2EO-32

WATERWAY INFORMATION

Drainage Area: 470 acres
Character: wooded & cultivated
Present Opening: 3000 Sq. Ft.
Road Opening: 2720 Sq. Ft.
Proposed Opening: 2720 Sq. Ft.
Q100: 11,000 cfs.

GENERAL PLAN AND ELEVATION
FAS. 775 OVER SILVER CREEK
FAS. RTE 175 SEC 54 BR
MADISON COUNTY
STA 281+00

LOCATION SKETCH

FOR INFORMATION ONLY

| REVISIONS | | ILLINOIS DEPARTMENT OF TRANSPORTATION EXISTING STRUCTURE PLANS |
|-----------|--------------|---|
| NAME | DATE | |
| | | FAP ROUTE 789 SECTION 54BR-1 MADISON COUNTY |
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| SCALE: | VERT. HORIZ. | DRAWN BY |
| DATE | | CHECKED BY |

PLOT DATE = 10/18/2006
FILE NAME = c:\projects\76864\1485\plan\plan-01.dwg
PLOT SCALE = 50.000000 / 1 IN.
REFERENCE = #REFS