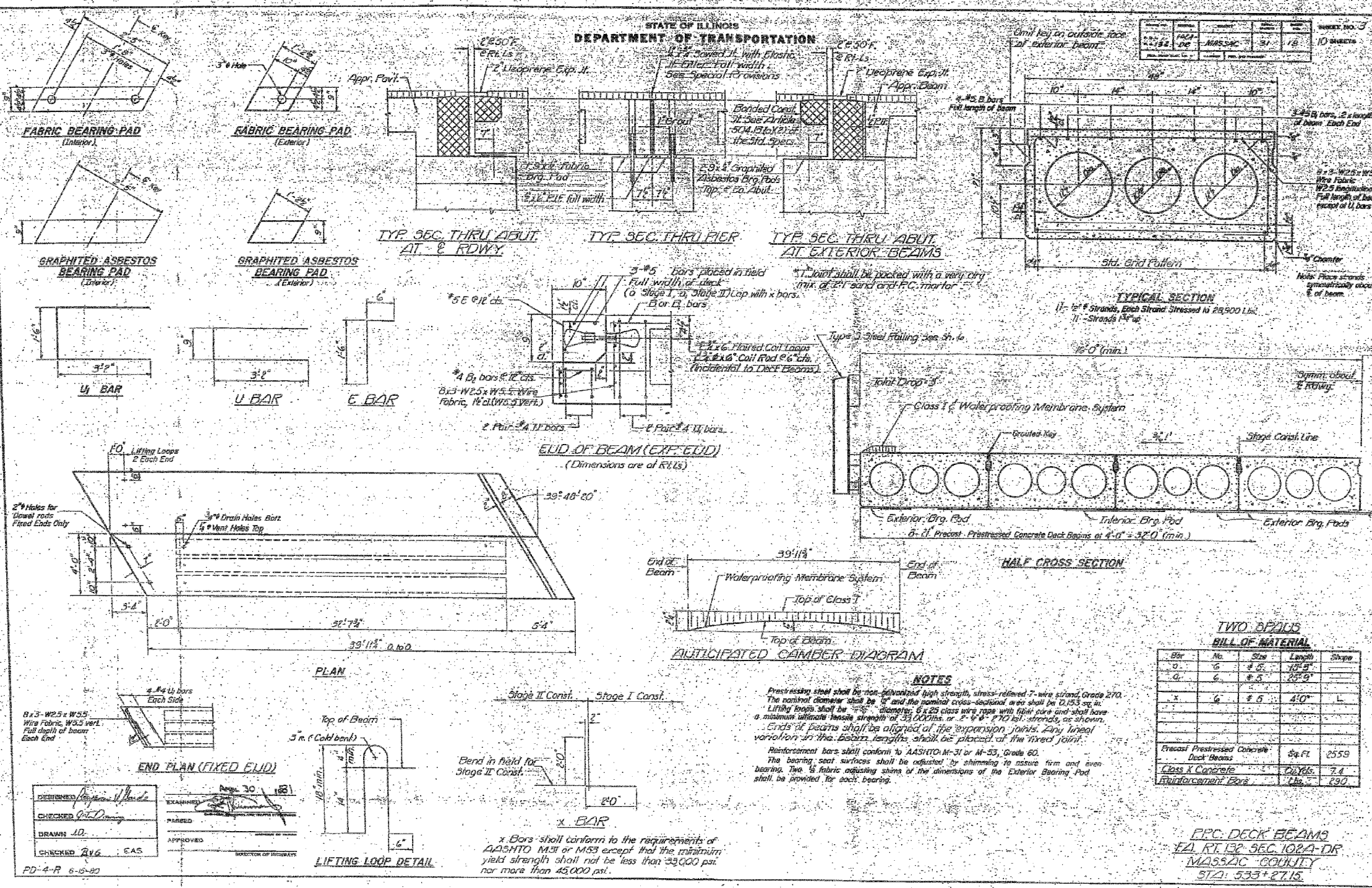


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | |
|--------------|---------|
| PROJECT NO. | 102BR-1 |
| SECTION | 102BR-1 |
| COUNTY | MASSAC |
| TOTAL SHEETS | 82 |
| SHEET NO. | 71 |



**TWO SPANS
BILL OF MATERIAL**

| Bar | No. | Size | Length | Shape |
|---|---------|------|--------|-------|
| U | 6 | # 6 | 75'-5" | |
| E | 6 | # 5 | 25'-9" | |
| X | 6 | # 6 | 4'-0" | L |
| Precast Prestressed Concrete Deck Beams | Sq. Ft. | 2559 | | |
| Class X Concrete | Cu Yds. | 7.4 | | |
| Reinforcement Bars | Lbs. | 690 | | |

NOTES

Prestressing steel shall be non-galvanized high strength, stress-relieved 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. Lifting loops shall be 3/8" diameter, 6 x 25 class wire rope with full core and shall have a minimum ultimate tensile strength of 33,000 lbs. or 2" x 4" 710 ksi strands, as shown. Ends of beams shall be aligned at the expansion joints. Any linear variation in the beam lengths shall be placed at the fixed joint.

Reinforcement bars shall conform to AASHTO M-31 or M-53, Grade 60. The bearing seat surfaces shall be adjusted by shimming to assure firm and even bearing. Two 1/8" fabric adjusting shims of the dimensions of the Exterior Bearing Pad shall be provided for each bearing.

DESIGNED: J. J. W. / J. W. W.
CHECKED: J. W. W.
DRAWN: J. W. W.
CHECKED: R. V. G. CAS

EXAMINED: [Signature]
PASSED: [Signature]
APPROVED: [Signature]

DATE: 02/04/08



FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS

| | | | | | | | | | | | |
|--------------------|----------------------|-----------------|-----------|---|--------------------------|---|---------|--------|--------------|-----------|--|
| FILE NAME = | USER NAME = #USER# | DESIGNED - JMH | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | EXISTING STRUCTURE PLANS | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| #FILEL# | PLOT SCALE = #SCALE# | DRAWN - AEC | REVISED - | | | 132 | 102BR-1 | MASSAC | 82 | 71 | |
| PLOT DATE = #DATE# | DATE - 02/04/08 | CHECKED - JMH | REVISED - | | | CONTRACT NO. 78032 | | | | | |
| | | DATE - 02/04/08 | REVISED - | | | FED. ROAD DIST. NO. 7 (ILLINOIS) FED. AID PROJECT | | | | | |