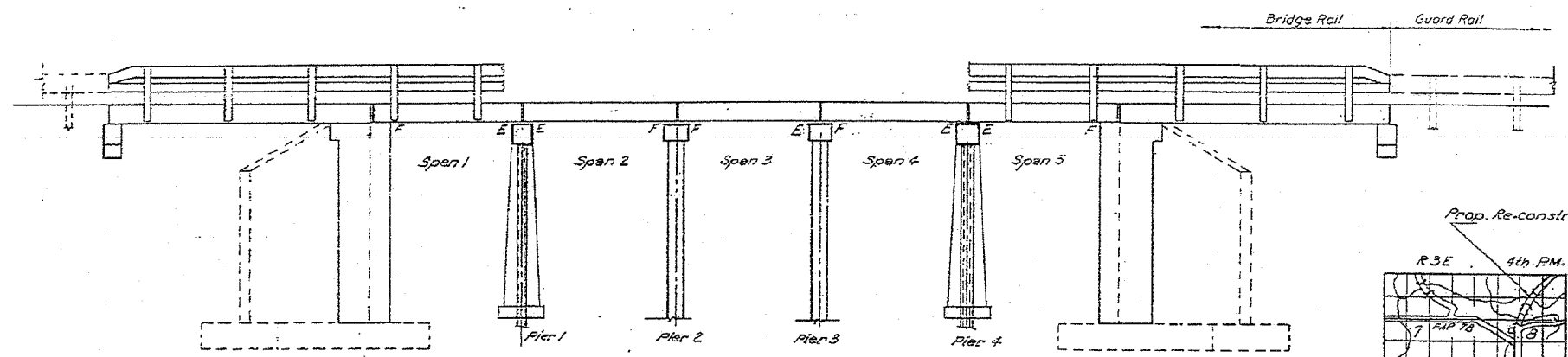


| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------|---------|---------------------------|--------------|-----------|
| 315 | ... | FULTON | 684 | 139 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

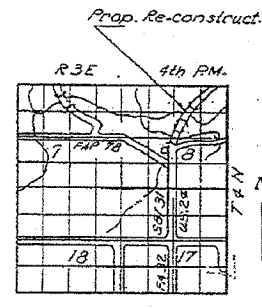
18L188RY&188RY-1BR,188-1

Built as S.B. 1. P. 31, Section 18-120, Sta. 64+75, Year 1726 Sec. 10.51-1 in 1965
 Existing Structure: R.C. Abutments, R.C. Piers, 2 spans PPC Slabs to remain in place.
 1 span Steel Truss 150' long (22' Roadway). Salvage Steel Truss by contractor.

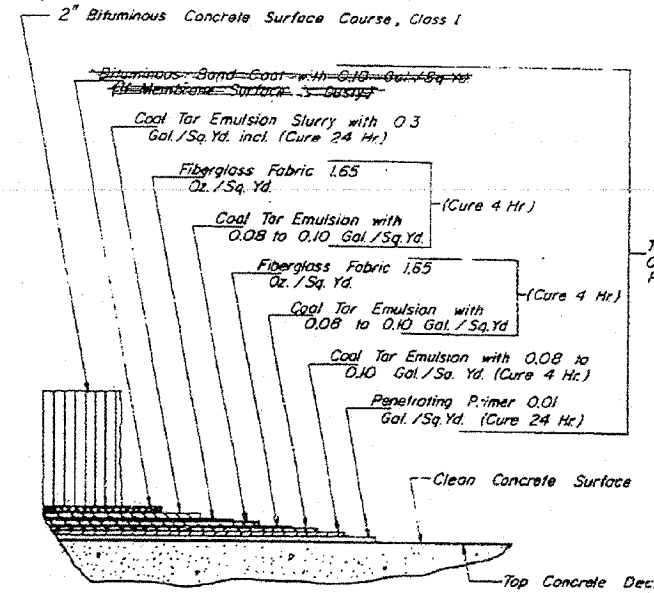
STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS
 DIVISION OF HIGHWAYS



ELEVATION



LOCATION SKETCH



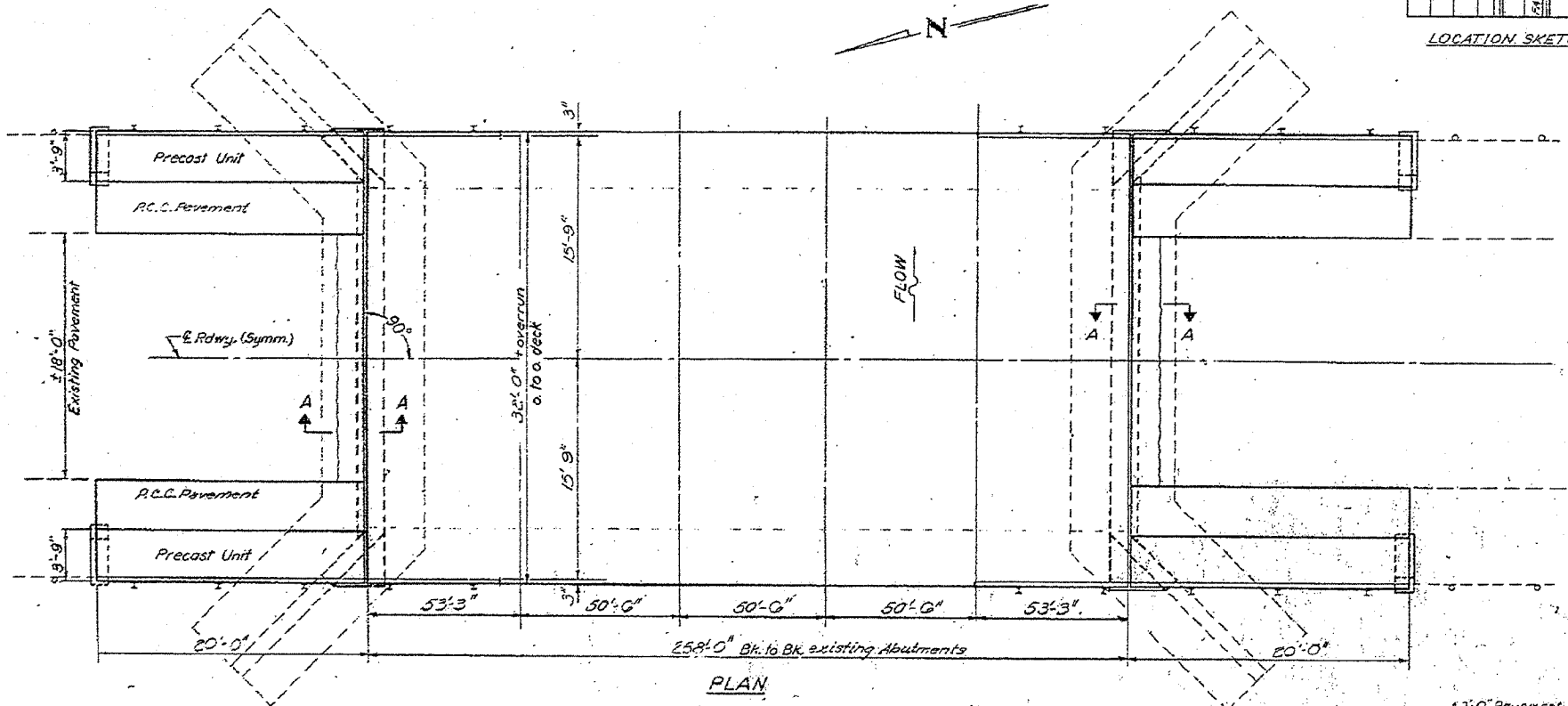
DETAIL OF DECK SURFACING

GENERAL NOTES

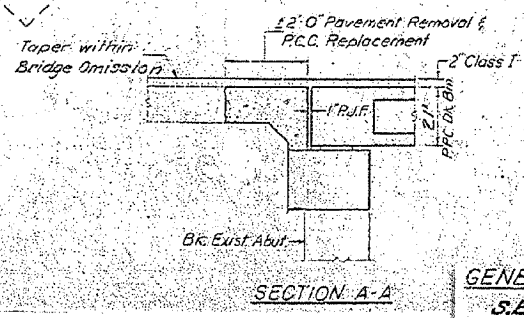
- All reinforcement bars shall be lapped 24 diameters unless otherwise shown.
- It shall be the responsibility of the Contractor to verify all dimensions and conditions existing in the field prior to construction and ordering of materials.
- An alternate strand pattern using Extra High Strength Prestressing strand (270 ksi.) is permitted.
- Expansion bolts shall consist of self drilling expansion anchors and 3/4" hooked bolts. Hooked bolts shall extend a minimum of 12" into new concrete.
- Shoulder transition to wingwall shall be shaped with broken concrete. Cost Incidental.
- Limits of Coal Tar Interlayer Protective Coat shall be back to back of abutments.
- The Contractor shall drive one Metal Shell test pile in a permanent location at Pier 2 as directed by the Engineer before ordering the remainder of Piles

TOTAL BILL OF MATERIAL

| Item | Unit | Super | Sub. | Total |
|---|----------|-------|------|-------|
| Class A Excavation | Cu. Yds. | | 104 | 104 |
| Portland Cement Concrete Pavement (10") | Sq. Yds. | 29 | | 29 |
| Pavement Fabric | Sq. Yds. | 29 | | 29 |
| Concrete Removal | Cu. Yds. | 8 | 10 | 18 |
| Expansion Bolts (3/4") | Each | 52 | 150 | 202 |
| Class X Concrete | Cu. Yds. | 1.6 | 91.3 | 92.9 |
| Precast Concrete Bridge Slab | Sq. Ft. | 299 | | 299 |
| Precast Prestressed Concrete Deck Beams (21) | Sq. Ft. | 3701 | | 3701 |
| Steel Railing, Type N | Lin. Ft. | 596 | | 596 |
| Reinforcement Bars | Lbs. | | 7860 | 7860 |
| Pavement Removal & P.C.C. Replacement, Type 2 (10") | Sq. Yds. | 8 | | 8 |
| Coal Tar Interlayer Protective Coat | Sq. Yds. | 917 | | 917 |
| Bituminous Concrete Surface Removal | Sq. Yds. | 247 | | 247 |
| Removal of Existing Superstructure | Each | 1 | | 1 |
| Metal Shell Piles (12" dia) | Lin. Ft. | | 874 | 874 |
| Test Piles (Metal Shell Piles) | Each | | 1 | 1 |
| Bridge Handrail Removal | Lin. Ft. | 212 | | 212 |



PLAN



SECTION A-A

DESIGN STRESSES

| FIELD UNITS | PRECAST PRESTR. UNITS |
|-----------------------------|-------------------------|
| $f_c = 1400$ psi. (super) | $f_c = 5000$ psi. |
| $f_c = 1000$ psi. (sub) | $f_{cr} = 4000$ psi. |
| $f_s = 20,000$ psi. (reinf) | $f_s = 248,000$ psi. |
| $v_c = 75$ psi. (footing) | $f_{si} = 173,600$ psi. |
| $n = 10$ | |

LOADING HS 20-44

DESIGNED: *John Schuller*
 CHECKED: *James Hamilton*
 DRAWN: *J.L. Armstrong, JR.*
 CHECKED: *J.H. JP*

EXAMINED: *Richard H. Holtzman*
 PASSED: *W.E. Beaman*
 APPROVED: *Richard H. Holtzman*

February 6 1970

GENERAL PLAN & ELEVATION
 S.B. 1. RT. 31 - SEC. 18 BRY
 FULTON COUNTY
 STATION 64+75

| REVISIONS | |
|-----------|------|
| NAME | DATE |
| | |
| | |
| | |
| | |

ILLINOIS DEPARTMENT OF TRANSPORTATION
 EXISTING OVERFLOW STRUCTURE
 FOR INFORMATION ONLY

SCALE: VERT. _____
 HORIZ. _____
 DATE _____
 DRAWN BY _____
 CHECKED BY _____

PLOT DATE: 2/23/2000
 FILE NAME: c:\valcom\188ry\188ry.dgn
 USER: JH
 USER MAKE: Autodesk