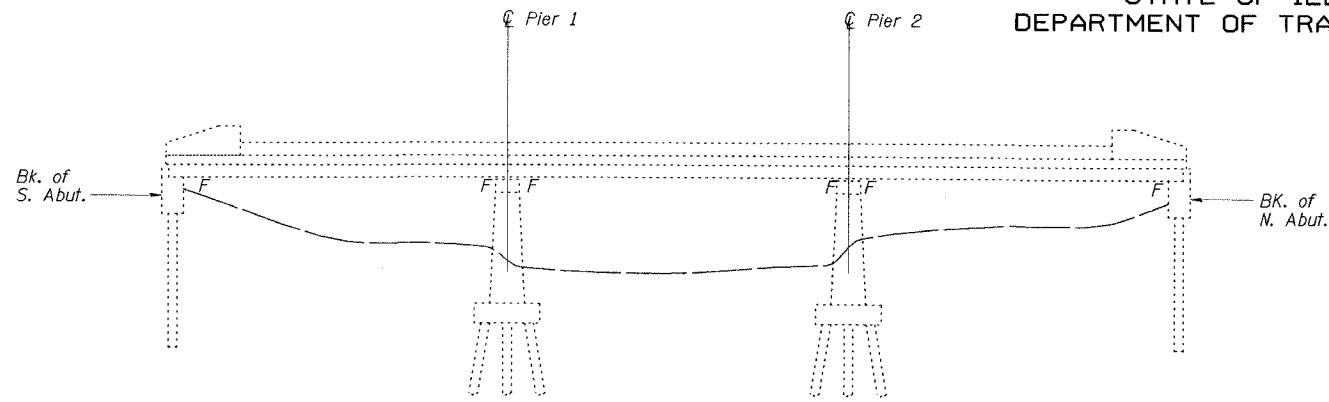


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 716	*	MACON	22	7
FED. ROAD DIST. NO. #	BLDG. NO.	FED. AID PROJECT #/ID		
* (130BR-1)BR			CONTRACT NO. 74239	

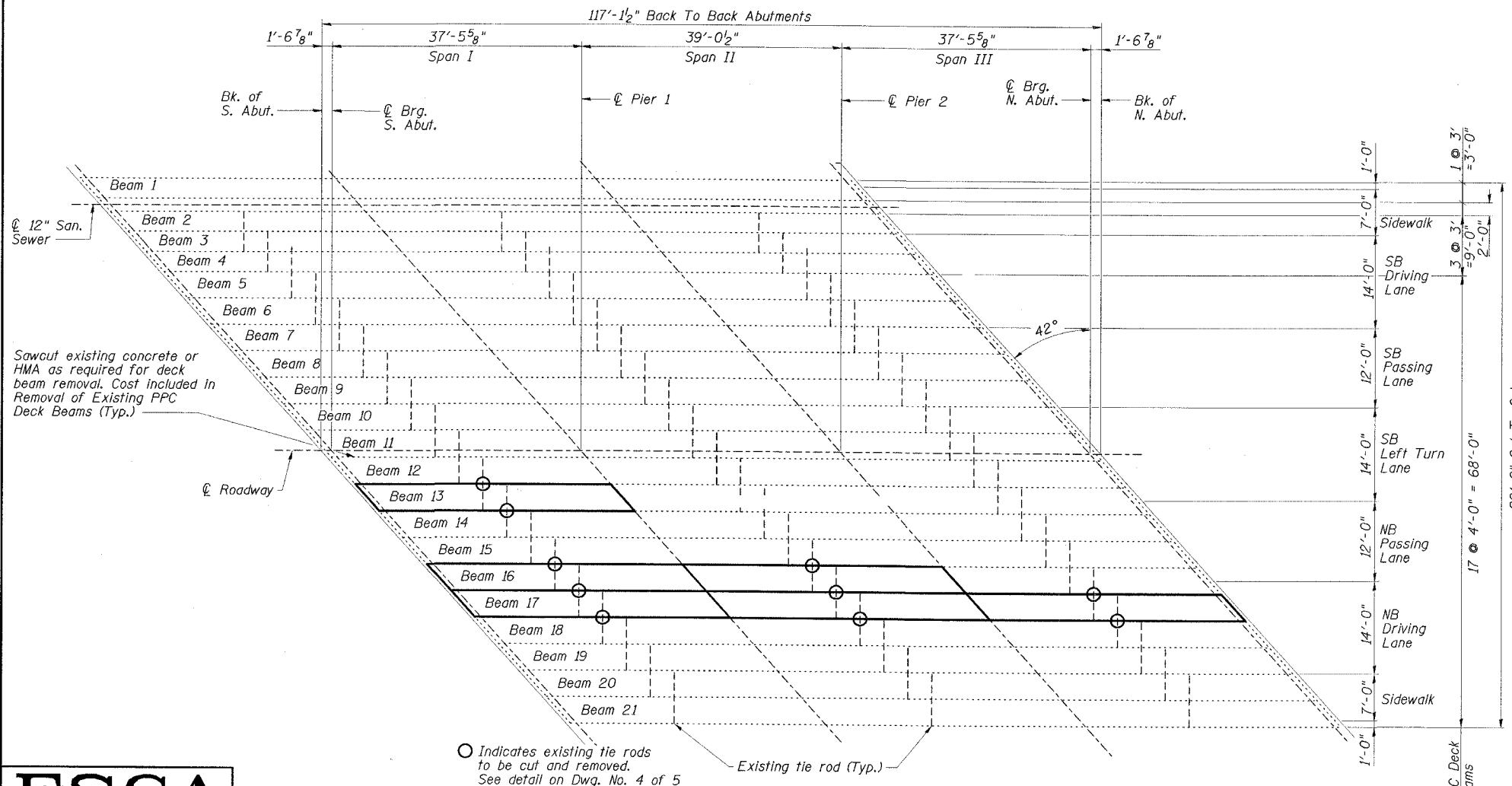
SHEET NO. 1  
5 SHEETS



ELEVATION

GENERAL NOTES

- Plan dimensions and details relative to existing plans are subject to routine variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.
- Truck mixers, concrete pumps, vacuum trucks or other heavy equipment will not be allowed on any portion of the bridge. The sum of all equipment shall not exceed 15 tons in one span.
- Any damage done to the bridge during beam removal shall be repaired by the Contractor. Cost to be included in the cost of Removal of Existing PPC Deck Beams.
- The thickness of Hot-Mix Asphalt overlay shall match the existing thickness and shall be adjusted for the new expected beam camber.
- Beam 13 in Span I and Beam 17 in Spans I, II, and III shall be 47" wide. Beam 16 in Spans I and II shall be 48" wide.



TOTAL BILL OF MATERIAL

Item	Unit	Quantity
Removal of Existing Precast Prestressed Concrete Deck Beams	Sq. Ft.	924
Precast Prestressed Concrete Deck Beams (17" Depth)	Sq. Ft.	910
Hot-Mix Asphalt Surface Course, Mix "D", N50	Ton	23
Hot-Mix Asphalt Surface Removal	Sq. Yd.	35

DESIGN STRESSES  
PRECAST UNITS

$f'_c = 5,000 \text{ psi}$   
 $f'_{cl} = 4,000 \text{ psi}$   
 $f'_s = 270,000 \text{ psi}$  ( $\frac{1}{2}$ "  $\phi$  low lax strands)  
 $f'_{si} = 201,960 \text{ psi}$  ( $\frac{1}{2}$ "  $\phi$  low lax strands)

STATE OF ILLINOIS  
 LICENSED PROFESSIONAL ENGINEER  
 No. 4647  
 EXPIRES 11-30-07  
 SIGNATURE  
 03-20-07  
 DATE

GENERAL PLAN  
 FAP ROUTE 716 (IL 48)  
 OAKLAND AVENUE  
 SECTION (130BR-1)BR  
 MACON COUNTY  
 SN 058-0056

**ESCA**  
 CONSULTANTS, INC.  
 DESIGNED BY: ELH 02/07  
 DRAWN BY: JPC 02/07  
 CHECKED BY: ELH 03/07  
 APPROVED BY: RDP 03/07

DECK BEAM PLAN