

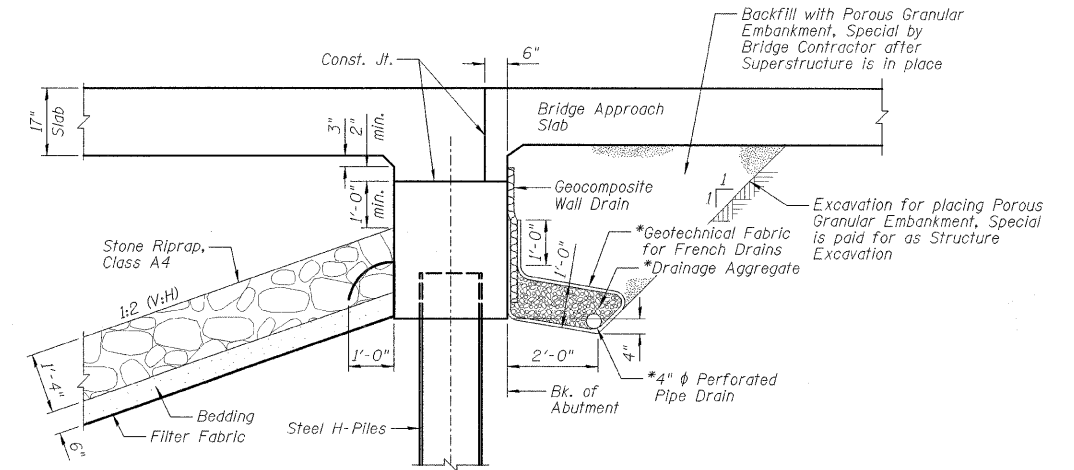
TOTAL BILL OF MATERIAL

ITEMS	UNITS	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu. Yd.		84	84
Stone Riprap, Class A4	Sq. Yd.		1,278	1,278
Filter Fabric	Sq. Yd.		1,278	1,278
Removal of Existing Structures	Each	1		1
Structure Excavation	Cu. Yd.		204	204
Floor Drains	Each	8		8
Concrete Structures	Cu. Yd.		166.9	166.9
Concrete Superstructure	Cu. Yd.	316.0		316.0
Bridge Deck Grooving	Sq. Yd.		536	536
Concrete Encasement	Cu. Yd.		14.0	14.0
Protective Coat	Sq. Yd.		668	668
Reinforcement Bars, Epoxy Coated	Pound		9,740	81,550
Bar Splicers	Each		441	56
Furnishing Steel Piles HP12x63	Foot		1,418	1,418
Driving Piles	Foot		1,418	1,418
Test Pile Steel HP12x63	Each		2	2
Name Plates	Each	1		1
Geocomposite Wall Drain	Sq. Yd.		50	50
Pipe Underdrains For Structures 4"	Foot		164	164
Temporary Soil Retention System	Sq. Ft.	112		112
Underwater Structure Excavation Protection - Location 1	Each		1	1
Underwater Structure Excavation Protection - Location 2	Each		1	1

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

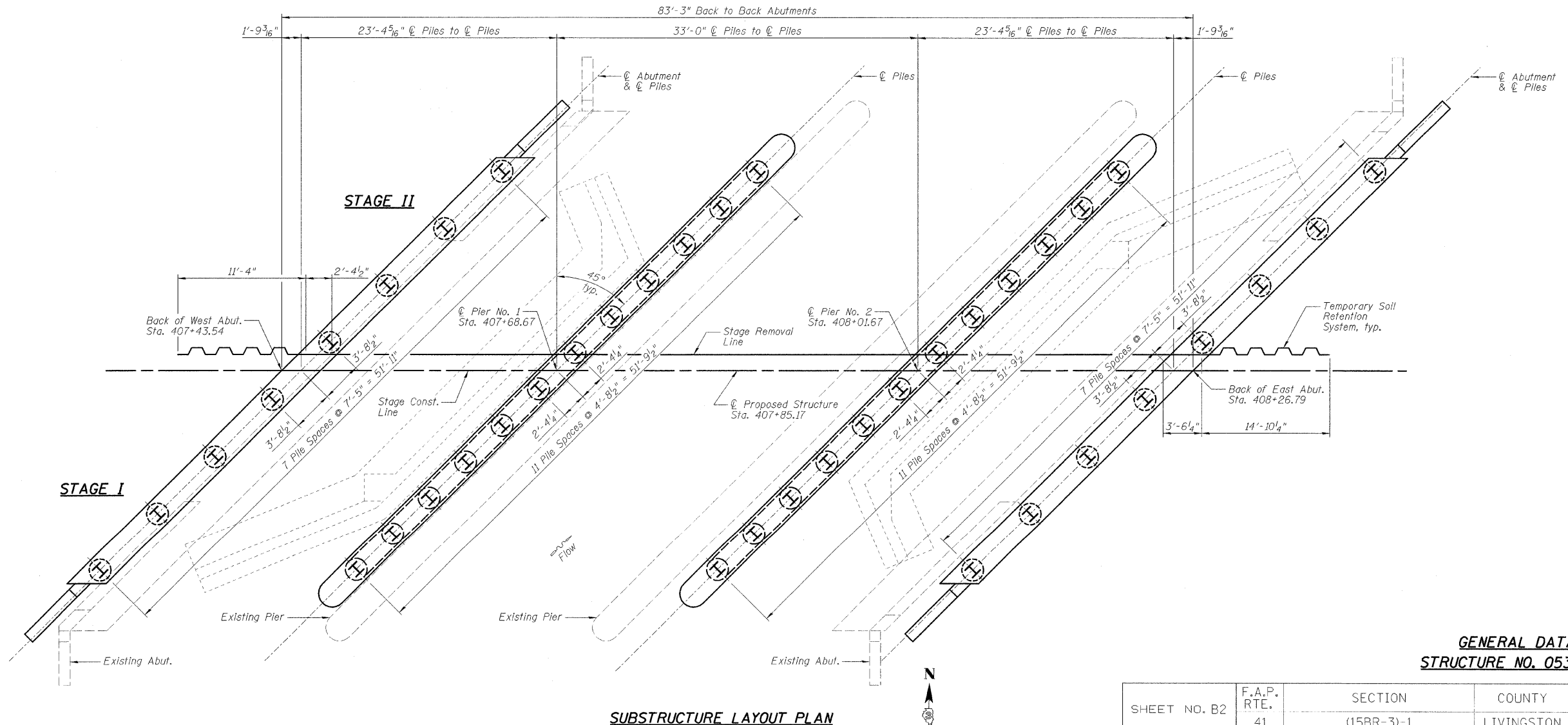
GENERAL NOTES:

- 1.) Reinforcement bars shall conform to the requirements of ASTM A706 Gr. 60. See Special Provisions.
- 2.) Reinforcement bars designated (E) shall be epoxy coated.
- 3.) Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- 4.) The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.
- 5.) The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection. Forms for deck slab shall be removed prior to placement of bridge approach slab.
- 6.) Slipforming of parapets is not allowed.
- 7.) The cost of removing and salvaging the temporary steel supports shall be included in the cost of Removal of Existing Structures.
- 8.) The Contractor is advised that the existing PPC deck beams are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the beams when developing construction procedures for the removal and replacement of the structure.
- 9.) If the Contractor's procedures for existing beam removal involve placement of heavy equipment on the existing deck beams, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, sealed by an Illinois licensed Structural Engineer, verifying the structural adequacy of the beams for the proposed loads. Cost included with Removal of Existing Structures.
- 10.) The pay item Removal of Existing Structures shall include the removal of the Temporary Support Connections at the Abutments & Piers, the Temporary Supports under each Superstructure Span and the Approach Pavement at each end of the bridge (beneath the proposed Bridge Approach Slab). All structural steel from the existing temporary supports shall become the property of IDOT and delivered to the Pontiac Maintenance Yard.



SECTION THRU EAST ABUTMENT
(Similar for West Abutment)

- NOTES:**
- 1.) Horizontal dimensions @ Rt. L's to Abutment.
 - 2.) *Included in the cost of Pipe Underdrains for Structures.
 - 3.) All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).



SUBSTRUCTURE LAYOUT PLAN

DESIGNED	SDH
CHECKED	JML
DRAWN	JWK/DJM
CHECKED	MSW

DATE 10/07/09

FARNSWORTH GROUP, INC.

CONSULTING ENGINEERS - 2709 MCGRAW DRIVE BLOOMINGTON, ILLINOIS 61704 (309) 663-8435 / (309) 663-1571 FAX

**GENERAL DATA
STRUCTURE NO. 053-0185**

SHEET NO. B2	F.A.P. RTE. 41	SECTION (15BR-3)-1	COUNTY LIVINGSTON	TOTAL SHEETS 45	SHEET NO. 13
22 SHEETS	SN 053-0185		CONTRACT NO. 66833		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT	