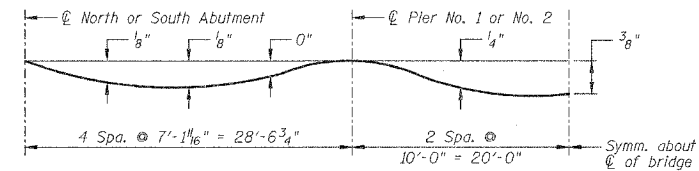


SECTION THRU INTEGRAL ABUTMENT

GENERAL NOTES

- 1.) All items deemed salvageable by the Engineer shall become property of the county and shall be stockpiled within the right-of-way.
- 2.) The design specifications are the 2002 AASHTO Standard Specifications for Highway Bridges.
- 3.) The live loading is HS20 with an allowance of 50 lb/sq. ft. for future wearing surface.
- 4.) This project shall be constructed in accordance with IDOT Standard Specifications for Road and Bridge Construction Adopted January 1, 2002.
- 5.) Class BD Concrete shall be used for the Deck Slab. The Deck Slab shall be finished in accordance with Article 503.17 of the Standard Specifications and shall be cast in one continuous operation.
- 6.) The Contractor shall drive two Test Piles to 110% of the nominal required bearing, each in a permanent location, one Test Pile in Pier No. 2 and one Test Pile in the South Abutment before ordering the remaining piles.
- 7.) Reinforcement bars shall meet the requirements of ASTM A706 Grade 60 (IL Modified), see Special Provisions. The reinforcement strength is 60,000 psi. All reinforcing bars shall be epoxy coated.
- 8.) See sheets B13-B16 for boring data.
- 9.) Layout of the stone riprap may be varied in the field to suit ground conditions as directed by the Engineer.
- 10.) For field data, see Farnsworth Group field book No. 2606.
- 11.) Pier piles shall have a minimum tip elevation of 15' below streambed (min. tip elev. = 49.70).
- 12.) This structure has been designed to be stable for scour conditions in accordance with the FHWA Technical Advisory - T 5140.23, "Evaluating Scour at Bridges" Hydraulic Engineering Circular 18 - "Evaluating Scour at Bridges".



DEADLOAD DEFLECTION DIAGRAM

TOTAL BRIDGE BILL OF MATERIALS

ITEM	UNIT	TOTAL
Porous Granular Embankment	Ton	98
Stone Riprap, Class A4	Ton	784
Filter Fabric	Sq. Yd.	862
Removal of Existing Structures	Each	1
Structure Excavation	Cu. Yd.	1010
Concrete Superstructure	Cu. Yd.	197.1
Bridge Deck Grooving	Sq. Yd.	308
Protective Coat	Sq. Yd.	330
Reinforcement Bars, Epoxy Coated	Pound	33710
Steel Railing, Type S1	Foot	198
Test Pile Concrete	Each	2
Name Plates	Each	1
Furnishing & Driving Concrete Piles	Foot	1340

Note: Pile lengths are based on 12" Metal Shells.

TRIBUTARY TO SOUTH FORK
 VERMILION RIVER
 BUILT 200... BY
 GERMANVILLE ROAD DISTRICT
 LIVINGSTON COUNTY
 SEC. 02-00208-01-BR
 STATION 173+33.00
 STR. NO. 053-3454 LOADING HS20

NAME PLATE DETAIL

See Standard 515001

SECTION 02-00208-01-BR
 LIVINGSTON COUNTY
 F.A.S. 342/C.H. 3

**GENERAL NOTES, TOTAL BILL
 OF MATERIALS AND SECTION
 THRU INTEGRAL ABUTMENT**

DRAWN BY DMM	FILE NO. 24-7131
DATE 12/01/06	BOOK NO. 2606
CHECKED BY MSW	SHEET NO. 7 OF 24

