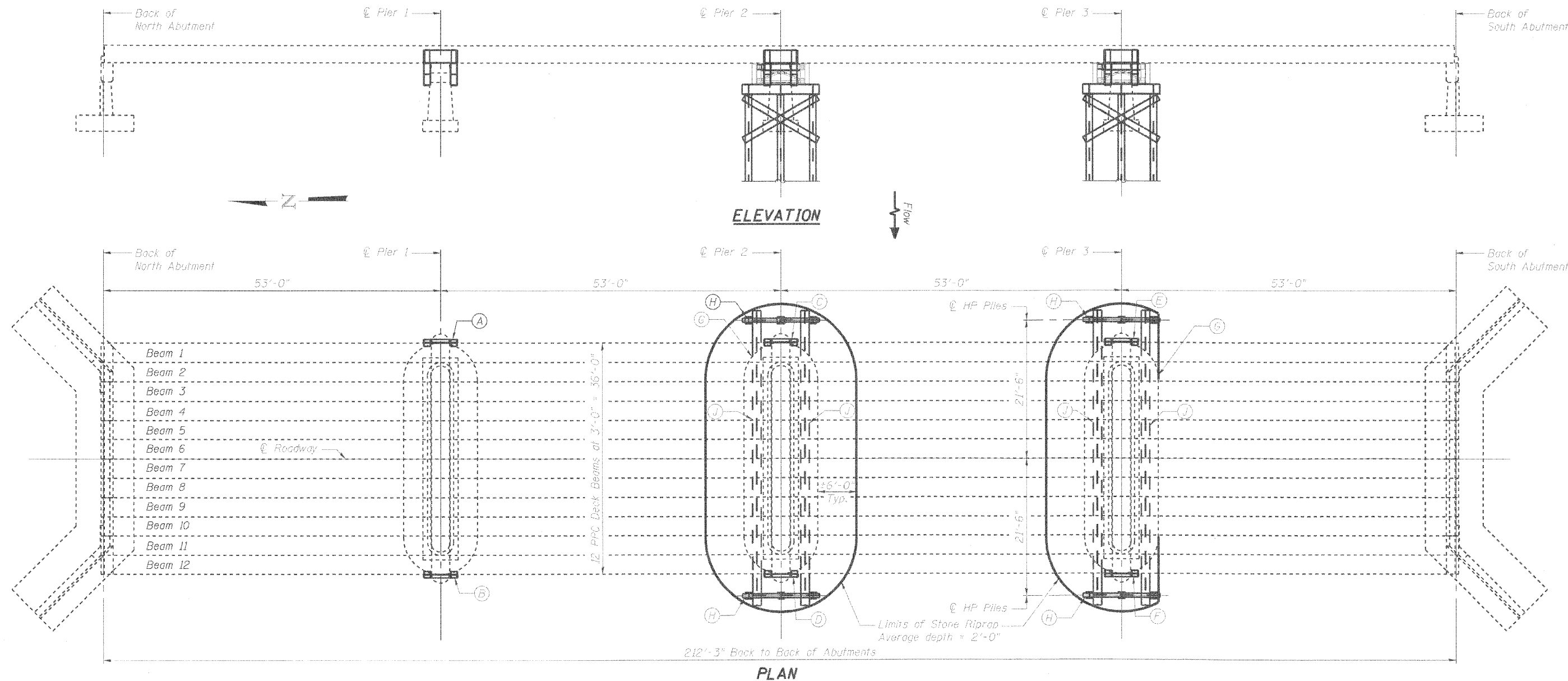


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING SN. 053-0050 EMERGENCY
REPAIR PLANS - FOR INFORMATION ONLY -
STRUCTURE TO BE REMOVED

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. /
		Livingston	35+	148	4 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			



CONSTRUCTION SEQUENCE

1. Install pier containment brackets.
2. Grout joints at Piers 1 and 3.
3. Install steel sheeting, angles and cables at Piers 2 and 3. Place grout slurry under existing Pier footings at Piers 2 and 3.
4. Install Superstructure Support System.
5. Place Stone Riprap at Piers 2 and 3. Riprap may be placed against sheeting to hold sheeting during grout slurry placement. Riprap at pile locations to be placed after completing support system.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Furnishing and Erecting Structural Steel	Pound	63980
Furnishing Steel Piles HP12x53	Foot	1200
Driving Steel Piles	Foot	1200
Stone Riprap, Class A4	Ton	120
Grout Slurry	Cu. Yd.	12.0
Grout Repair	Foot	72
Cofferdam Repair	Sq. Ft.	1750

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 50, unless otherwise noted.
Fasteners shall be high strength bolts. Bolts $\frac{7}{8}$ " ϕ , open holes $\frac{15}{16}$ " ϕ , unless otherwise noted.
Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field 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 the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with Furnishing and Erecting Structural Steel.
Diaphragm connection holes shall be $\frac{15}{16}$ " ϕ for $\frac{3}{4}$ " ϕ bolts. Two hardened washers shall be required at diaphragm connections.
Contractor may substitute for the W40x215 with an equivalent built-up section with a minimum Section Modulus of $S_x = 858 \text{ in}^3$.

- (A) Pier Containment Bracket P1E See Sheet 2 of 4.
- (B) Pier Containment Bracket P1W See Sheet 2 of 4.
- (C) Pier Containment Bracket P2E See Sheet 2 of 4.
- (D) Pier Containment Bracket P2W See Sheet 2 of 4.
- (E) Pier Containment Bracket P3E See Sheet 2 of 4.
- (F) Pier Containment Bracket P3W See Sheet 2 of 4.
- (G) Pier Cofferdam and Grout Repair See Sheet 3 of 4.
- (H) Superstructure Support System End Brace See Sheet 4 of 4.
- (J) Superstructure Support System Cross Beam See Sheet 4 of 4.

DESIGNED	_____
CHECKED	_____
DRAWN	_____
CHECKED	_____
EXAMINED	_____
PASSED	_____

PLAN AND ELEVATION
S.B.I. RT. 47
LIVINGSTON COUNTY
SN 053-0050