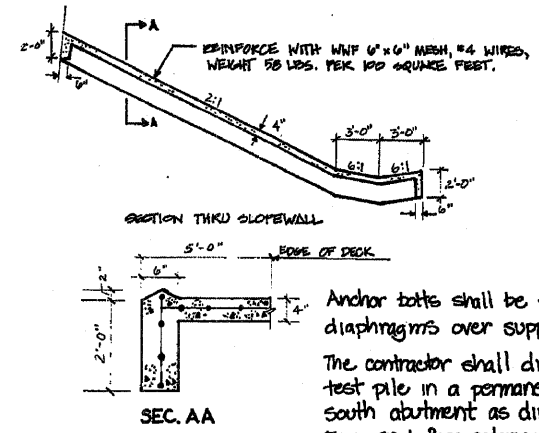
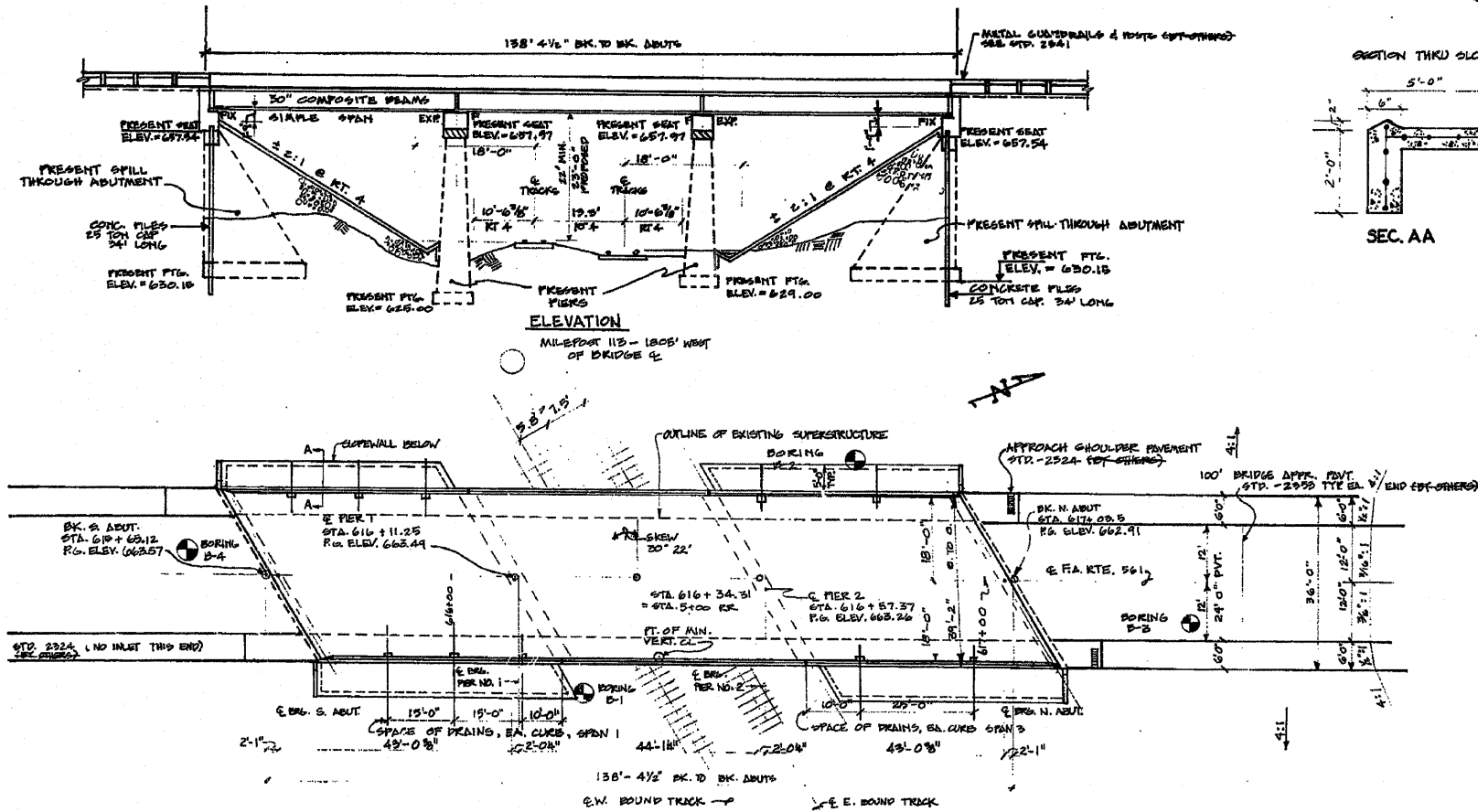


Existing Structure: See Note on Sheet 1 of 34
Structure Number 098-0024

ROUTE NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS	SHEET NO.	SHEETS
561	105V-BR	WHITESIDE	34	11	2	13

FOR INFORMATION ONLY



GENERAL NOTES

See proposal for boring data.
Fasteners shall be high strength bolts, AASHTO M164, TYPE 3. BOLTS 3/4" ϕ , OPEN HOLES 13/16" ϕ , UNLESS OTHERWISE NOTED.
Calculated weight of structural steel = 83,100 #
All structural steel shall be AASHTO M 222 unpainted Type

Anchor bolts shall be set before bolting diaphragms over supports.

The contractor shall drive one concrete test pile in a permanent location at the south abutment as directed by the Engineer before ordering the remainder of piles.

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.

Reinforcement bars shall conform to the requirements of AASHTO M-31 or M-53 grade 60.

The structural steel bearing plates of the Elastomeric Bearing Assembly shall conform to the requirements of AASHTO M222.

The concrete rail section above the mandatory construction joint at the top of the slab shall be constructed of Class X concrete, except the approaches shall conform to the requirements of Normal Concrete.

Expansion bolts shall consist of approved expansion anchors, providing certified minimum proof load = 4080 LBS, and 3/4" ϕ x 12" hooked bolts.

The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These components are the wide flange beams.

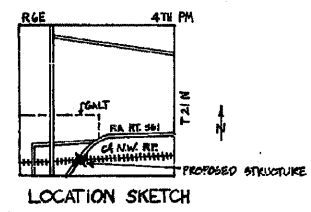
All structural steel for a distance of three times the depth of the beams, but not exceeding 10 feet each way from deck joints, shall be cleaned and given one coat of the basic lead silico chromate primer and maroon field coat. Both coats to be applied in the shop with spot painting only in the field.

TOTAL BILL OF MATERIAL

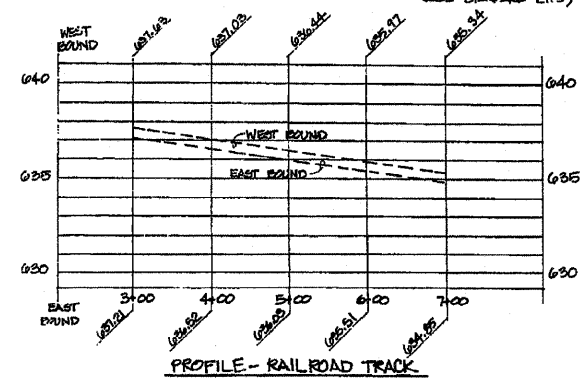
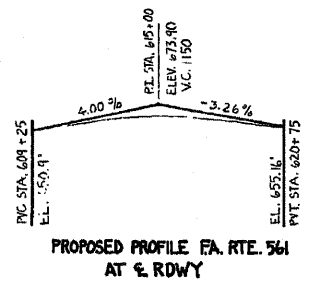
Item	Unit	Super	Sub	Total
Structure Excavation	Cu. Yd.	—	45	45
Class X Concrete	Cu. Yd.	—	108.6	268.6
Reinforcement Bars	Pound	18670	12390	31,060
Reinforcement Bars (Epoxy)	Pound	27020	—	27,020
Structural Steel	LUMP SUM	—	—	LUMP SUM
Slope Wall (4")	Sa. Yd.	—	528	528
Neoprene Exp. Jt. (2")	Lin. Ft.	92	—	92
Name Plates	Each	1	—	1
Concrete Piles	Lin. Ft.	—	196	196
Test Pile Concrete	Each	—	1	1
Protective Coat	Sa. Yd.	602	—	602
Stud Shear Connectors	Each	—	3270	3270
Concrete Removal	Cu. Yd.	—	24.8	24.8
Removal of Existing Superstructure	EACH	1	—	1
Expansion Bolts 3/4" ϕ	EACH	—	168	168
Elastomeric Bg. Assy. Type I	Each	—	10	10

DESIGN STRESSES
(LOAD FACTOR DESIGN)
f'c = 3500 PSI
f'y = 60,000 PSI (REINFC)
f'y = 50,000 PSI (STRUCTURAL STEEL)

LOADING HS 20-44
Allowance of twenty-five (25) pounds per square foot for tube wearing surface. Designed in accordance with the "Standard Specifications for Highway Bridges" adopted by The American Association of State, Highway and Transportation Officials (AASHTO), 1977 edition and Interims 1978, 1979 and 1980.



STATION 616+34.31
BUILT 198 BY
STATE OF ILLINOIS
FA. ROUTE 561 SECTION 105 V-BR
F.A. PROJECT BR-F-56(N7)
LOADING HS20
STR NO 098 0024



APPROVED
FOR SUBMITTAL TO THE STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



GENERAL PLAN & ELEVATION
FA. ROUTE 561 (ILLINOIS RT. 2)
OVER C&N RR AT GALT
SECTION 105 VBR
WHITESIDE COUNTY
STA. 616+34.31

* FAS 1197 (West Lincolnway Road) & FAP 308 (IL 84)
**D2 Bridge Painting 2009-3

FILE NAME = P:\PAINTING\64E93\PLN\eng.dgn	USER NAME = lmkdj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	Existing Plans SN 098-0024	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 58.0000' / IN.	DRAWN -	REVISED -	Whiteside			15	4			
PLOT DATE = Thu Jan 29 10:18:09 2009	CHECKED -	REVISED -	CONTRACT NO. 64E93							
	DATE	REVISED	ILLINOIS FED. AID PROJECT							