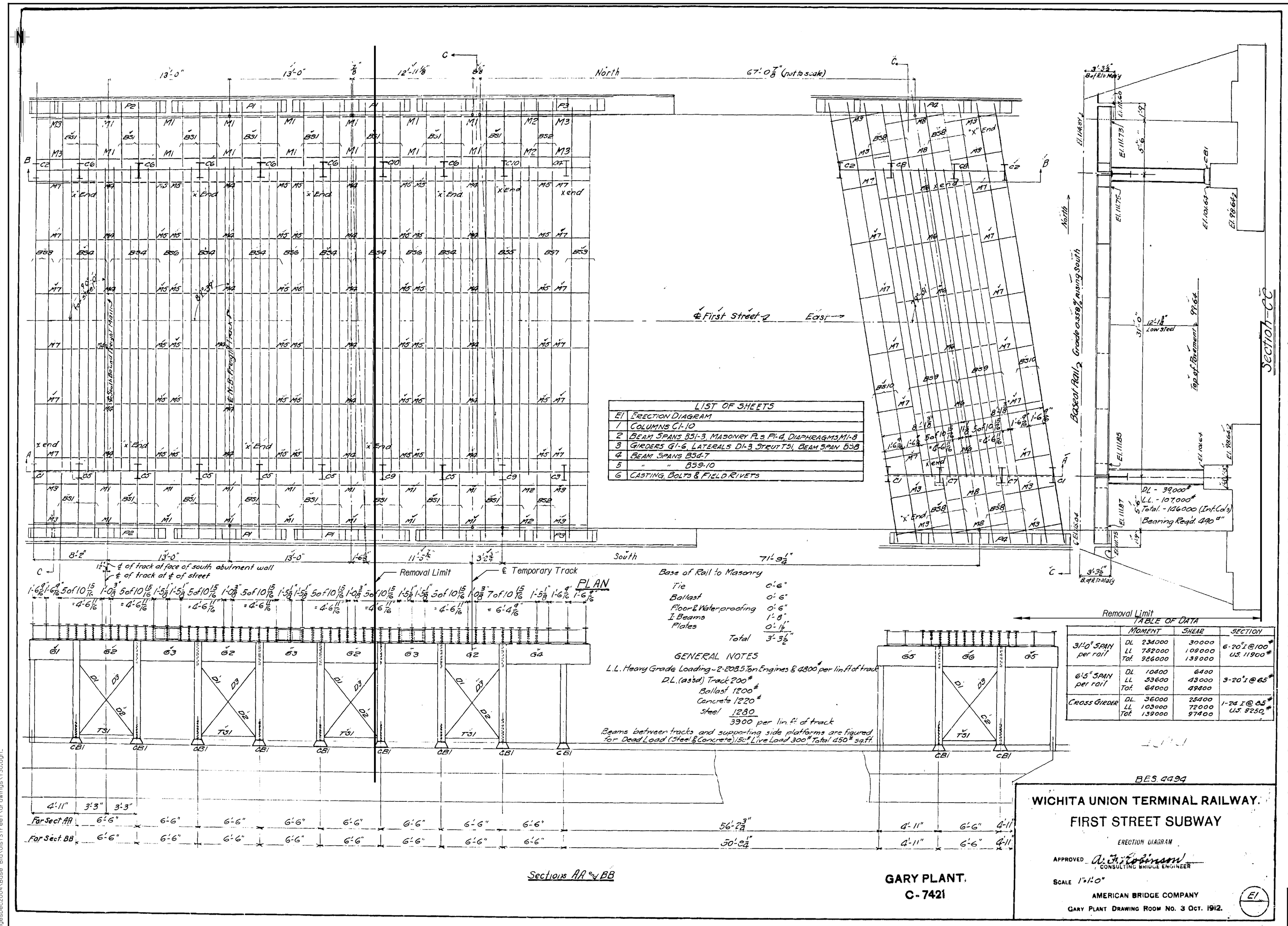
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	472-84071	2005	B6.29	



LIST OF SHEETS

E1	ERECTION DIAGRAM
1	COLUMNS C1-10
2	BEAM SPANS B51-3, MASONRY PLS P1-4, DIAPHRAGMS M1-8
3	GIRDERS G1-6, LATERALS D1-3, STRUT T51, BEAM SPAN B58
4	BEAM SPANS B54-7
5	" " B59-10
6	CASTING, BOLTS & FIELD RIVETS

TABLE OF DATA

		MOMENT	SHEAR	SECTION
31'-0" SPAN per rail	DL	234000	30000	6-20" I @ 100#
	LL	752000	109000	U.S. 11900#
	Tot.	986000	139000	
6'-5" SPAN per rail	DL	10400	6400	3-20" I @ 65#
	LL	53600	43000	
	Tot.	64000	49400	
CROSS GIRDER	DL.	36000	25400	1-24 I @ 85#
	LL	103000	72000	U.S. 9250#
	Tot.	139000	97400	

BES. 4494

WICHITA UNION TERMINAL RAILWAY.

FIRST STREET SUBWAY

ERECTION DIAGRAM

APPROVED A. F. Robinson
CONSULTING BRIDGE ENGINEER

SCALE 1"=1'-0"

AMERICAN BRIDGE COMPANY

GARY PLANT DRAWING ROOM NO. 3 OCT. 1912.

E1

GARY PLANT.
C-7421

NOTES:
Existing plans are FOR INFORMATION ONLY.

Existing handrails, concrete deck (3 5/8" +/- thick), waterproofing and ballast are not shown.

CONSTRUCTION SEQUENCE:

Phase 1
Install temporary shoring perpendicular to the back face of the existing abutments to protect the temporary track.

Construct temporary track.

Design and detail new temporary handrails along the "new" west edge of the bridge. Submit temporary handrails to the Engineer & Railroad for approval prior to bridge removal.

Phase 2
Construct temporary handrails along the "new" west edge of the bridge.

Remove the existing superstructure from the "Removal Line" to the west limit of the bridge.

Remove the existing substructure above the existing footings from the "Removal Line" to the west limit of the bridge. Remove the footings as required to avoid interference with the proposed roadway, utilities or bridge. Portions of the footings may remain in place, unless directed to remove by the Engineer.

Construct temporary shoring to protect the Santa Fe roadway as required.

Excavate existing fill at each abutment as indicated in the retaining wall plans.

Construct backfill to the bottom of proposed footing.

Construct Phase 2 Foundations and Substructure.

Construct temporary shoring to protect the Phase 2 abutment and temporary MSE wall.

Construct Phase 2 backfill and Temporary MSE (TMSE) wall.

Construct Phase 2 Superstructure.

Phase 3
Relocate railroad traffic to Phase 2 construction and remove temporary track. Refer to track plans and details for additional information.

Phase 4
Remove the remainder of the existing superstructure.

Remove the existing substructure above the existing footings from the "Removal Line" to the east limit of the bridge. Remove the footings as required to avoid interference with the proposed roadway, utilities or bridge. Portions of the footings may remain in place, unless directed to remove by the Engineer.

Refer to Retaining Wall plans, details and specifications for removal and construction details at the southeast corner of the abutment.

Excavate existing fill at each abutment as indicated in the retaining wall plans.

Construct backfill to the bottom of proposed footing.

Construct Phase 4 Foundations and Substructure.

Construct Phase 4 backfill.

Construct Phase 4 Superstructure.

NOTES:
Existing concrete handrail, concrete deck (3 5/8" thick), waterproofing and ballast not shown.

This sheet designed by:

HNTB
ARCHITECTS ENGINEERS PLANNERS

NO.	DATE	REVISIONS	BY	APP'D
3				
2				
1				

CITY OF WICHITA

WICHITA CENTRAL CORRIDOR

IST STREET
EXISTING BRIDGE REMOVAL LIMITS

SHEET NO.	OF	SCALE AS NOTED	APP'D				
DESIGNED	DMH	DETAILED	DJJ	QUANTITIES	DJJ	TRACED	DJJ
DESIGN CK.	JWH	DETAIL CK.	DMH	QUAN.CK.	DMH	TRACE CK.	DMH

LOCATION:
BNSF BR. 212.2 WICHITA, KS LINE SEGMENT 7400

Plotted on: 04-JAN-2005 13:29 $time$
djamison Plot Queue: $queue$
Plot Scale: $scale$ Pen Table: $pentable$
Design Filename: k:\b29049\Bridges\Dec2004\Base Bld\OlstStreet\drawings\f30.dgn