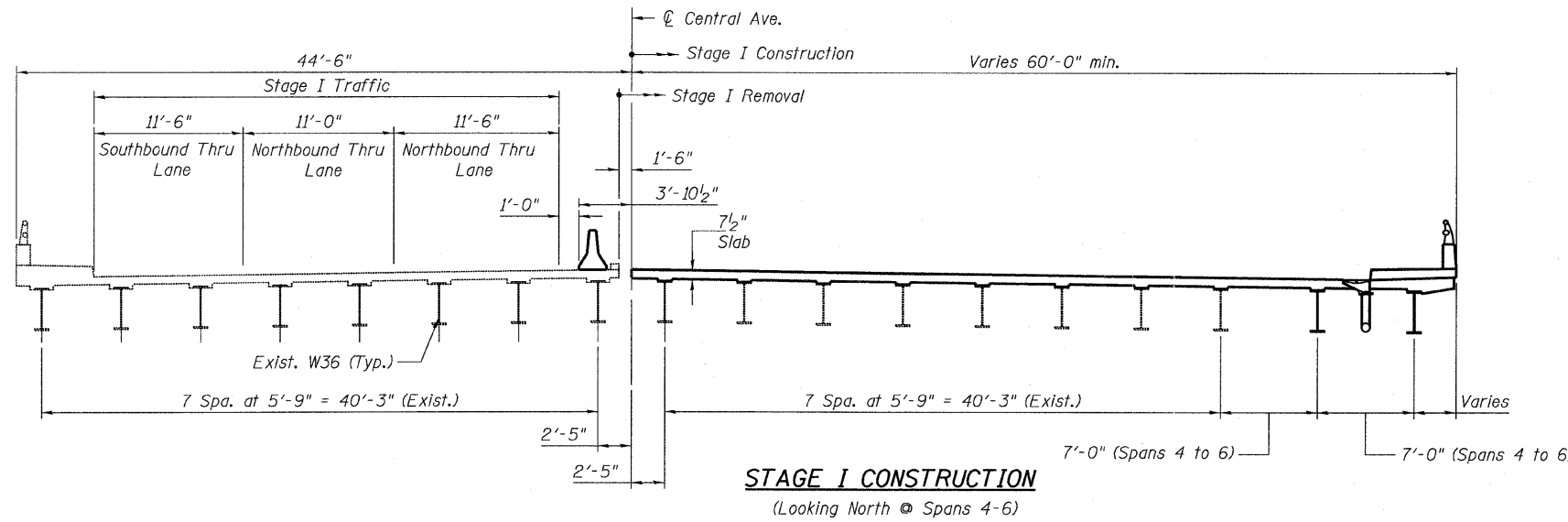


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE I REMOVAL

1. Install temporary concrete barrier as shown and divert traffic to the existing Southbound bridge.
2. Install Temporary Soil Retention System and Braced Excavation at locations shown.
3. Remove Stage I limits of the existing concrete deck.
4. Remove Stage I limits of substructure units as shown on Sheet 6. Jack and Crib Stage I existing beams at S. Abutment, Pier 3 and south beams on C. Abut. 1. Paid for as "Jacking Existing Superstructure."
5. Remove and replace existing bearings for Stage I beams on Piers 2 and 4. Removing existing bearings and shoring of beams paid for as "Jack and Remove Existing Bearings."
6. Remove existing end steel diaphragms at the South Abutment, Pier 3 and the south bearings at C. Abut. 1.



LEGEND

Stage I Removal

STAGE I CONSTRUCTION

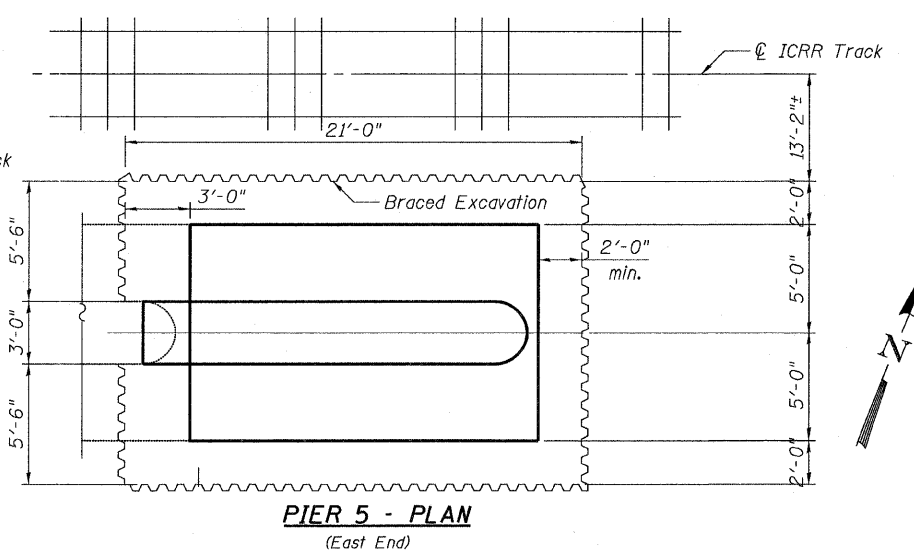
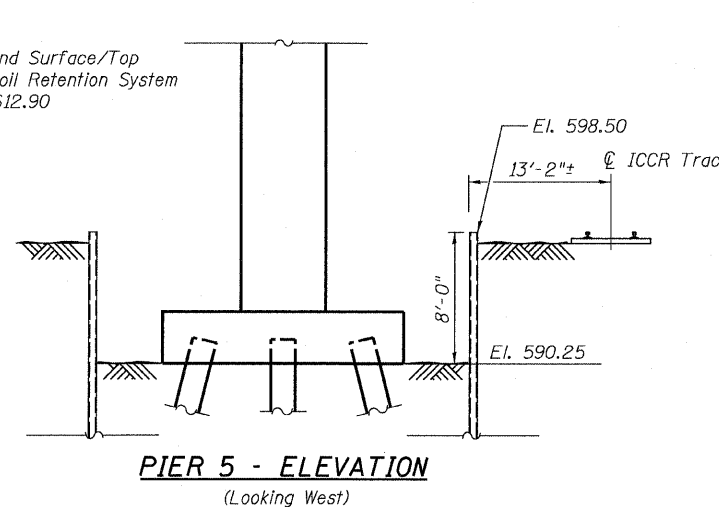
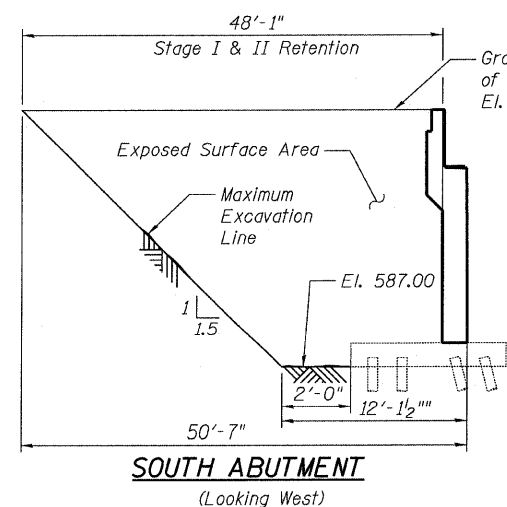
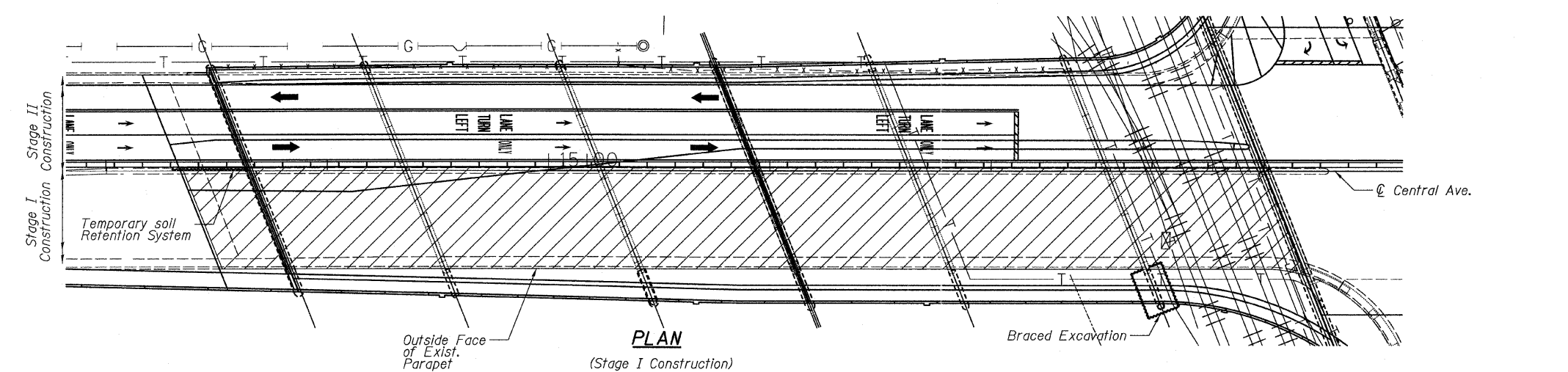
1. Construct widened portions of piers 1, 2, 4 and 5.
2. Reconstruct and widen the South Abutment, Pier 3 & C. Abutment 1, within the limits of Stage I.
3. Replace existing expansion bearings on Piers 2 and 4.
4. Paint existing structural steel beams and diaphragms, within the limits of Stage I.
5. Erect new Stage I structural steel.
6. Construct new Stage I bridge deck.

NOTES:

1. A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.
2. All temporary shoring systems that support or impact the Railroad's tracks or operations shall be designed and constructed to provide safe and adequate rigidity. The Contractor's design and installation shall meet the requirements of the current American Railway Engineering and Maintenance-of-Way Association (AREMA) Manual of Recommended Practice and any specific requirements of the Illinois Central Railroad Company and its Parent.
3. The Contractor shall coordinate the installation of the Braced Excavation with the IC/CN Railroad.

ITEM	UNIT	TOTAL
Temporary Soil Retention System	SQ FT	745
Braced Excavation	CU YD	87

**STAGE I CONSTRUCTION
STRUCTURE NO. 016-3241**



TYLIN INTERNATIONAL	DESIGNED - PK	REVISIONS	
	CHECKED - AMD,	NAME	DATE
	DRAWN - EMK, PK		
	CHECKED - AMD,		
	DATE - 03/25/2011		

SHEET NO. 3 71 SHEETS	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	0711.2R & 1011.1BR	COOK	741	256
CONTRACT NO. 60999					
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					