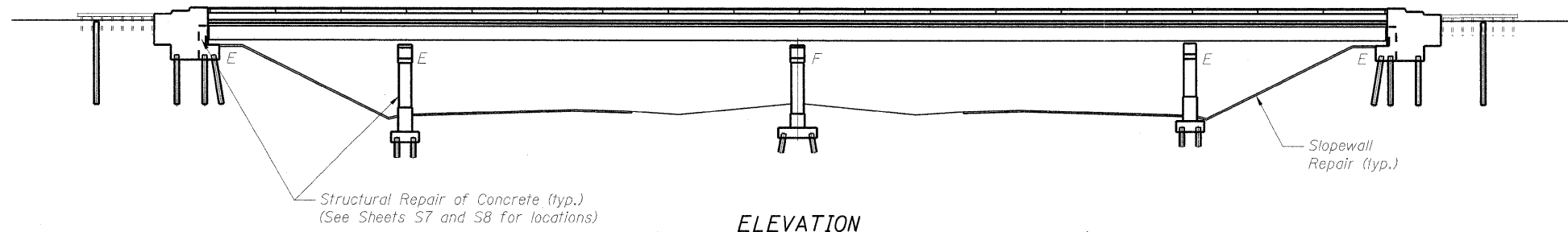


Existing Structure: S.N. 016-0961 built in 1968 as F.A. Route 61 Section 531-4HBK is a four span continuous steel beam superstructure with concrete deck on reinforced concrete abutments and piers. In 1989, a bridge deck overlay was added and the bridge underwent various repairs. Beam and parapet repair was performed in 1999 and 2005 due to vehicle impact.

Traffic to be maintained using stage construction.

No salvage.



**SCOPE OF WORK**

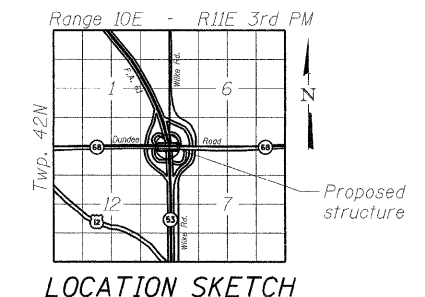
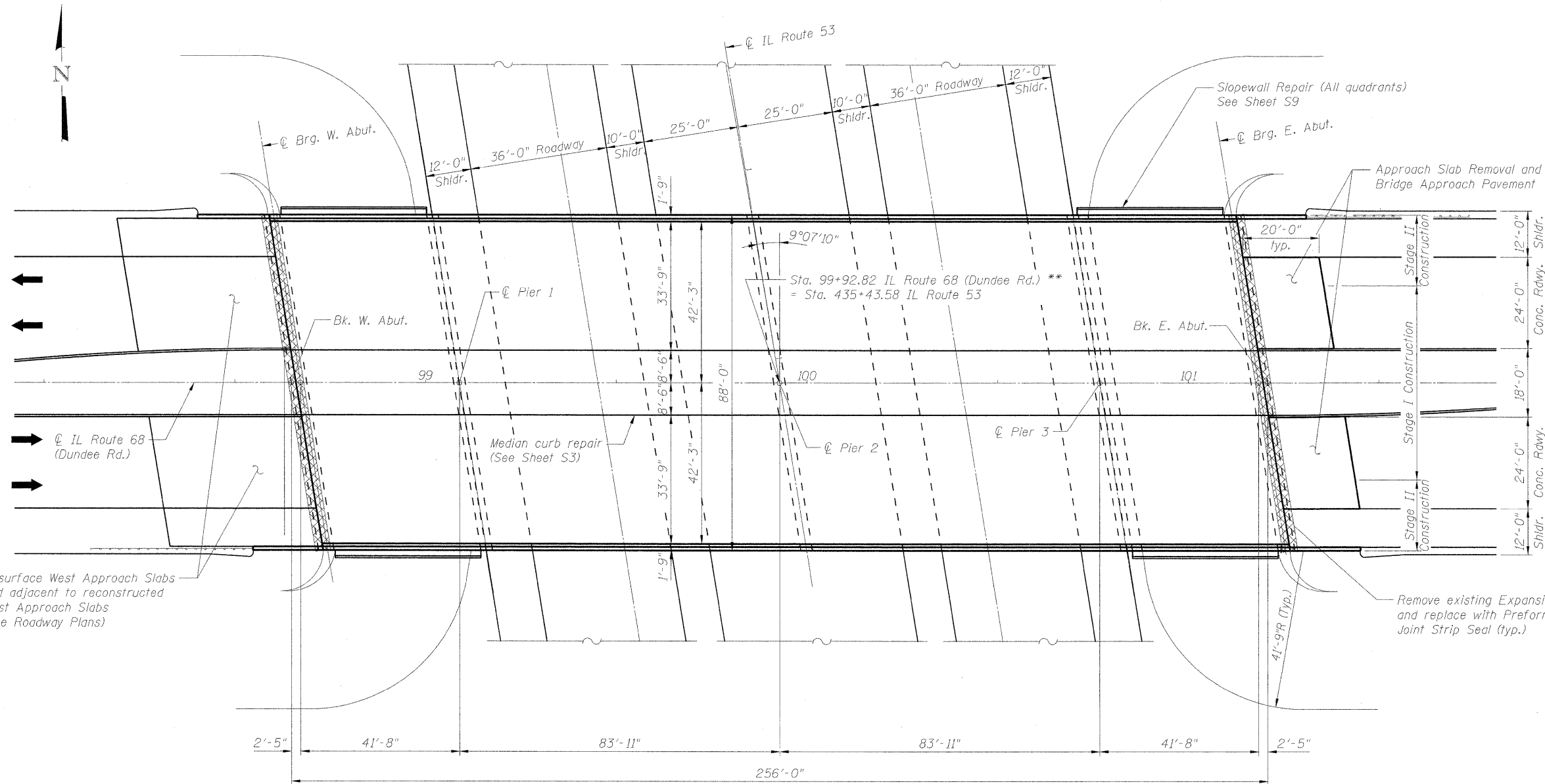
1. East Approach Slab Removal
2. East Approach Slab Reconstruction
3. Reconstruct expansion joints to strip seals
4. Structural repair of concrete on median curb
5. Partial depth concrete repair on bridge deck
6. Apply protective coat to approach slabs
7. Apply protective coat to existing bridge deck
8. Structural repair of concrete on abutments and piers
9. Slopewall repair

**DESIGN SPECIFICATIONS**

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition

**DESIGN STRESSES**

FIELD UNITS  
 $f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (reinforcement)



**PLAN**

\*\* Stationing taken from original 1969 plans.

FILE NAME = G:\Projects\2102155\_008A\CADD\Structure\0160961\_68L\_47\_801-General Plans.dgn



USER NAME = 2sagerb	DESIGNED - BHS	REVISED -
PLOT SCALE = N/A	CHECKED - GSP	REVISED -
PLOT DATE = 3/18/2011	DRAWN - MJB	REVISED -
	CHECKED - GSP	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND ELEVATION  
S.N. 016-0961**

SHEET NO. 51 OF 11 SHEETS

F.A.P. RTE. 343	SECTION 531-4HBK-BR-1	COUNTY COOK	TOTAL SHEETS 25	SHEET NO. 11
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60L47	



*Brad H. Sayers*  
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 IL. LIC. NO. 081-006267  
 EXP 11/30/2012  
 DATE 3/21/2011