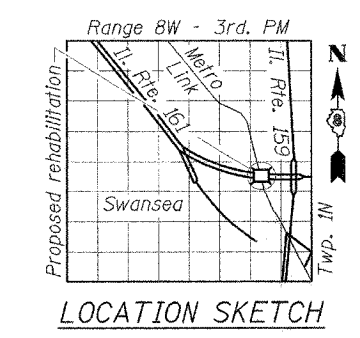
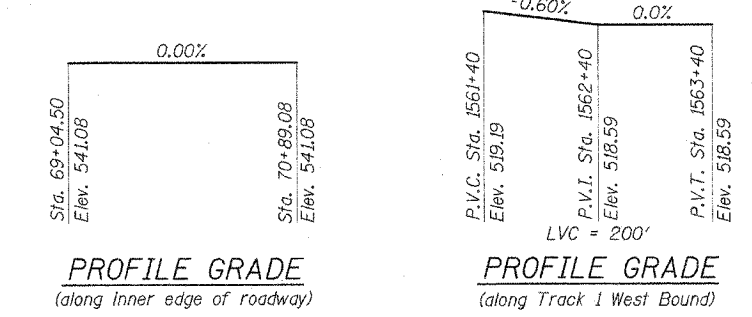
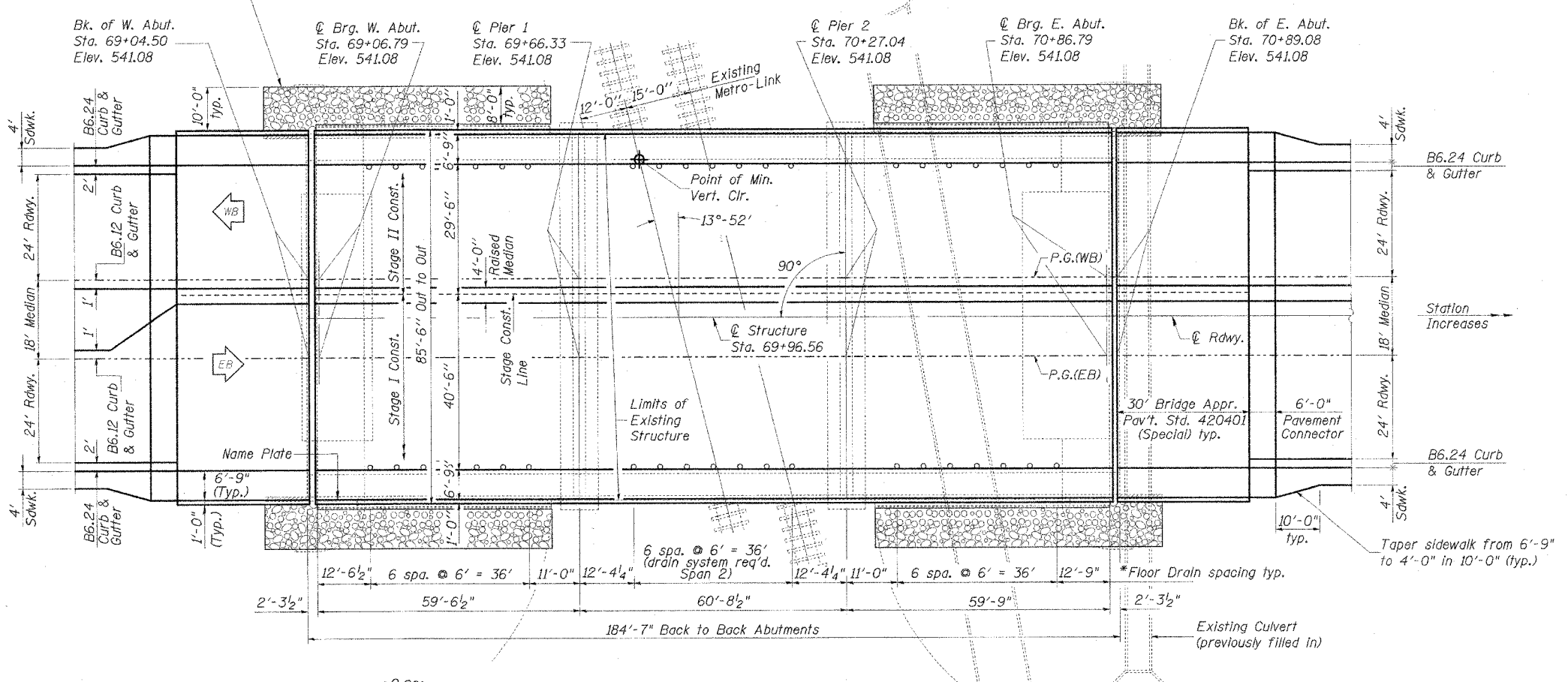
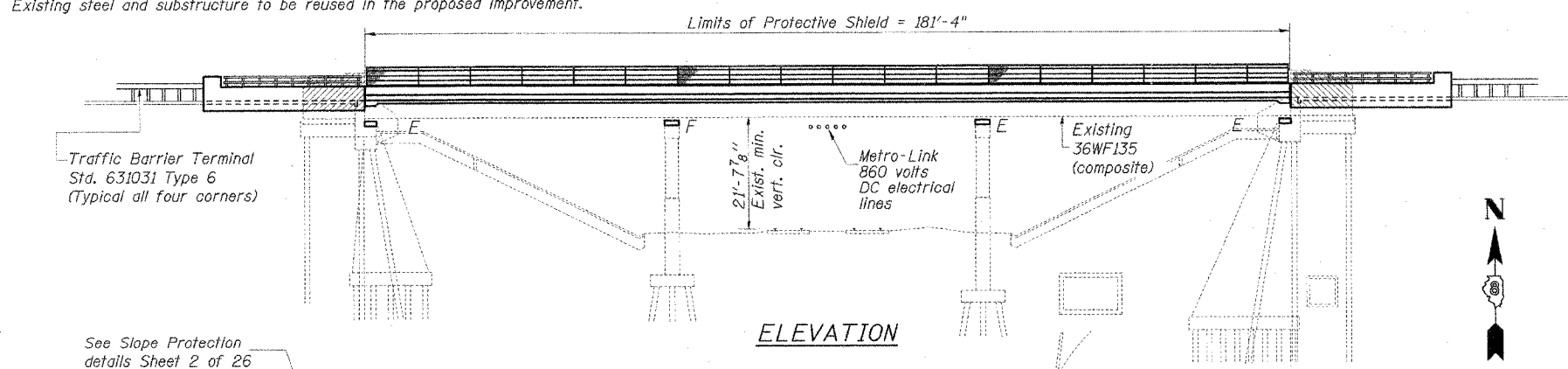


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	122VBR-1	ST. CLAIR	58	26
STA.	N/A	TO STA.	N/A	
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
Contract #76558			SHEET 1 OF 26	



Bench Mark: Cut "□" on south parapet wall, west end of Il. 161 bridge over Metro Link. Elev. 543.308

Existing Structure: S.N. 082-0091, 3 span concrete deck on composite wide flange beams (except Span 2 non-composite). Built 1935 under SBI-161, Section 122VBR at Station 69+89.05, and widened with new superstructure in 1972. Open pile bent abutments & piers supported on timber piles. The existing concrete deck to be removed and replaced. Traffic maintained utilizing stage construction with median cross-overs. Existing steel and substructure to be reused in the proposed improvement.



STATION 69+96.56
REBUILT 200_ BY
STATE OF ILLINOIS
F.A.P. RT. 805 SEC. 122VBR-1
LOADING HS 20
STR. NO. 082-0091

NAME PLATE
See Std. 515001

NOTE:
Existing name plate to be cleaned and relocated next to the new name plate. Cost included with Name Plates.

LOADING HS20-44
Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS
2002 AASHTO
Seismic Retrofitting Manual for Highway Bridges
FHWA-RD-94-052 May 1995

DESIGN STRESSES

NEW UNITS
 $f_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)
 $f_y = 50,000$ psi (structural steel-AASHTO M270, Grade 50)

EXISTING UNITS
 $f_c = 1,200$ psi
 $f_s = 20,000$ psi (reinforcement)
 $f_s = 20,000$ psi (structural steel)

SEISMIC DATA
Seismic Performance Category (SPC) = B
Bedrock Acceleration Coefficient (A) = 12%
Site Coefficient (S) = 1.3

PLAN

APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

REGISTERED PROFESSIONAL ENGINEER
GERALD B. ROTHERHAM
081-005673
STATE OF ILLINOIS

Gerald B. Rotherham
Expires: 11/30/2006
10/30/2004

CMT
CRAWFORD MURPHY & TILLY, INC.
CONSULTING ENGINEERS
SPRINGFIELD, IL ■ AURORA, IL ■ ST. LOUIS, MO
ROCKFORD, IL ■ PEORIA, IL ■ CHICAGO, IL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL PLAN & ELEVATION
F.A.P. ROUTE 805
SECTION 122VBR-1
ST. CLAIR COUNTY
ILLINOIS ROUTE 161 OVER METRO-LINK
STATION 69+96.56 S.N. 082-0091

SCALE: NONE DRAWN BY: GLD
DATE: 7/03/06 CHECKED BY: GBR

L:\V00T_04\06610\WORK\04\cor-5\DRAW\Sheets\REVISED\DWG\STAGING CHANGE\GEN-PLAN_REV.DWG 6/30/2006