Bench Marks: 3342-3 - Chiseled "□" on top inside corner of west walkway
○ S.W. cor. of structure 001-0011. Elev. 174.413
3342-4 - Chiseled "□" on top inside corner of walkway
○ N.E. cor. of structure 001-0011. Elev. 170.213

Existing Structure: No. 001-0011, Built in 1968 as F.A. Rte. 36, Sec. 78-3VHB
The Superstructure consists of a 177.8 mm P.C. Deck, 131.102m long x 9.235m wide supported on 2 main spans of continuous welded plate girders and 3 spans of wide flange beams, 2 of which are continuous. Beams are supported by 4 hammerhead piers and 2 pile bent abutments. Traffic to be maintained during the rehabilitation by stage construction.

Salvage: None

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTAION

F.A.P. 63	*	ADAMS	211	103
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJ.		

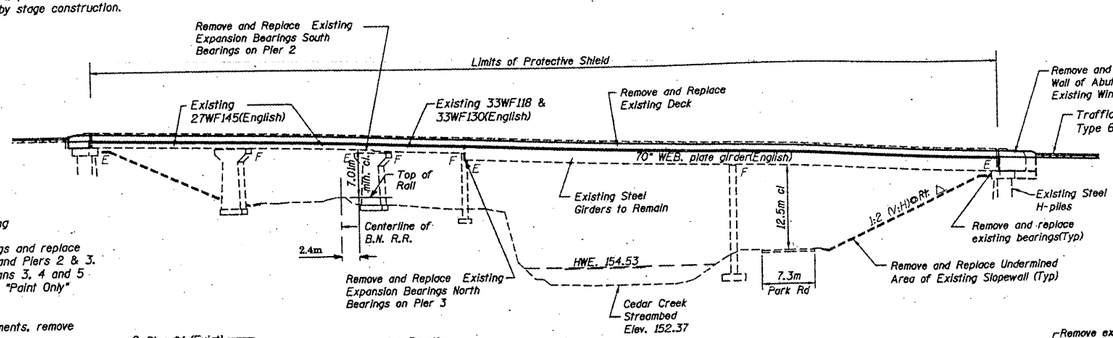
* (78-3VHB)R

CONTRACT: 72D51
SHEET 4 OF 13

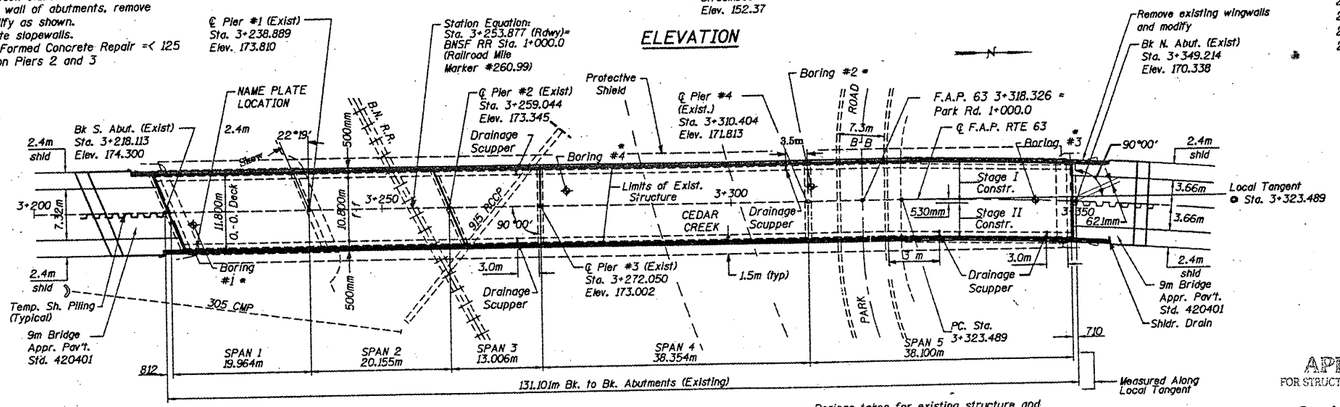
Index of Bridge Plans

Scope of Work

1. Remove and replace existing deck utilizing stage construction.
2. Remove existing steel expansion bearings and replace with elastomeric bearings at abutments and Piers 2 & 3.
3. Install stud Shear connectors along spans 3, 4 and 5
4. Cleaning and Painting under a separate "Paint Only" contract.
5. Remove and replace approach slabs.
6. Remove and Replace back wall of abutments, remove existing wingwalls and modify as shown.
7. Repair undermined concrete slopewalls.
8. Repair substructure with Formed Concrete Repair =< 125 and Epoxy Crack Sealing on Piers 2 and 3



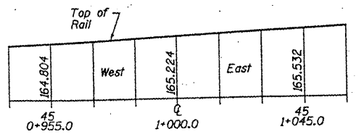
ELEVATION



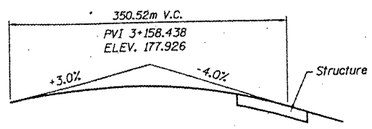
* Borings taken for existing structure and can be found in existing structure plans.

CURVE DATA

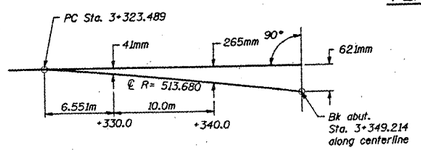
PI Sta. 3+618.759
△ = 59° 46' 54" (RT)
T = 295.270m
R = 513.680m
L = 535.967m
E = 78.816m
PC Sta. 3+323.489
PT Sta. 3+859.456
SE = 5.7%
SE Attained Sta. 3+283.489 to Sta. 3+343.489
Vertical Transition ○ ℄
0 to 40mm Sta. 3+283.489
to Sta. 3+343.489



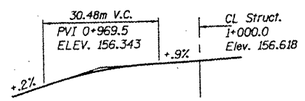
PROFILE GRADE - B.N. R.R.



PROFILE GRADE - FAP 63



LOCAL TANGENT OFFSET SKETCH



PROFILE GRADE - PARK RD.

SEISMIC DATA

Seismic Performance Catagory (SPC) = A
Bedrock Acceleration Coefficient(A) = .04g
Site Coefficient (S) = 1.0

DESIGN SPECIFICATIONS

1996 AASHTO with 1997 & 1998 Interim

LOADING MS18

No allowance for future wearing surface

DESIGN STRESSES

NEW CONSTRUCTION

f'c = 24 MPa
fy = 400 MPa (REINF)
fy = 250 MPa (Structural Steel M270 M, Grade 250)

EXISTING STRUCTURE

fy = 250 MPa Struct. Steel

STATION 3+283.664
REBUILT 200_ BY
STATE OF ILLINOIS
F.A.P. RTE 63 US RTE 24
SECTION (78-3VHB)R
PROJECT NO. F-63(56)
LOADING MS18
STR. NO. 001-0011

NAME PLATE

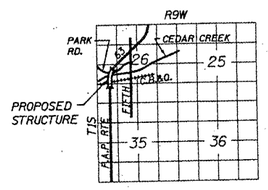
See Std. 515001

Existing nameplate to be cleaned and relocated next to new nameplate. Cost included with nameplate.

McCLURE ENGINEERING ASSOCIATES, INC.
714 East Jackson Street (309) 833-4594
Designer DF Macomb, Illinois 61455
Checker ECM FAX (309) 837-4909

AJA GHARAMTI
081-005080
LICENSED STRUCTURAL ENGINEER OF MOLINE
STATE OF ILLINOIS
Signature
Date 10/30/20
Exp. Date 11/30/02

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES



LOCATION PLAN

FOR INFORMATION ONLY

EXISTING PLANS, SN 001-0011
FAP 63 (US 24) & 310 (IL 104)
D6REHAB BDGE PAINTING 2010-1
ADAMS & MORGAN COUNTIES