

B.M.: #23 Square "□" cut in center of crash wall of center pier with Elev. 285.56.

Existing Structure: Built in 1958, S.N. 056-3015 consists of 4 continuous concrete T-Beam spans with three reinforced concrete piers and two pile bent abutments. Structure is 57.15m (bk. to bk. abut.) long & 10.262m (out to out) wide

Staging Note : Two way traffic shall be maintained on one lane utilizing temporary traffic signals during staged construction.

No salvage

Note: All dimensions are in millimeters (mm) except as noted.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. RT. 305	28R-2-RS-1	McHenry	53	14
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NUMBER: 60756

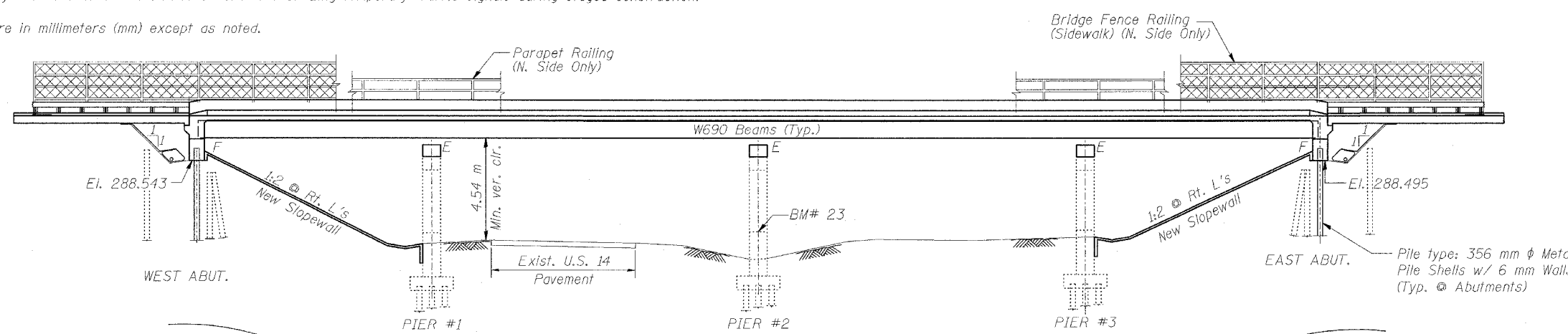
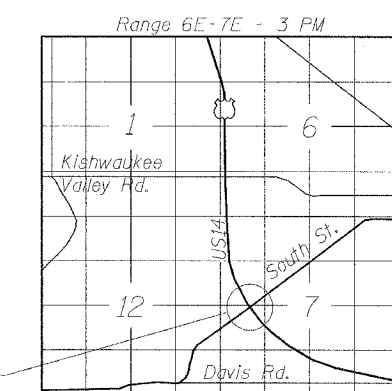


APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

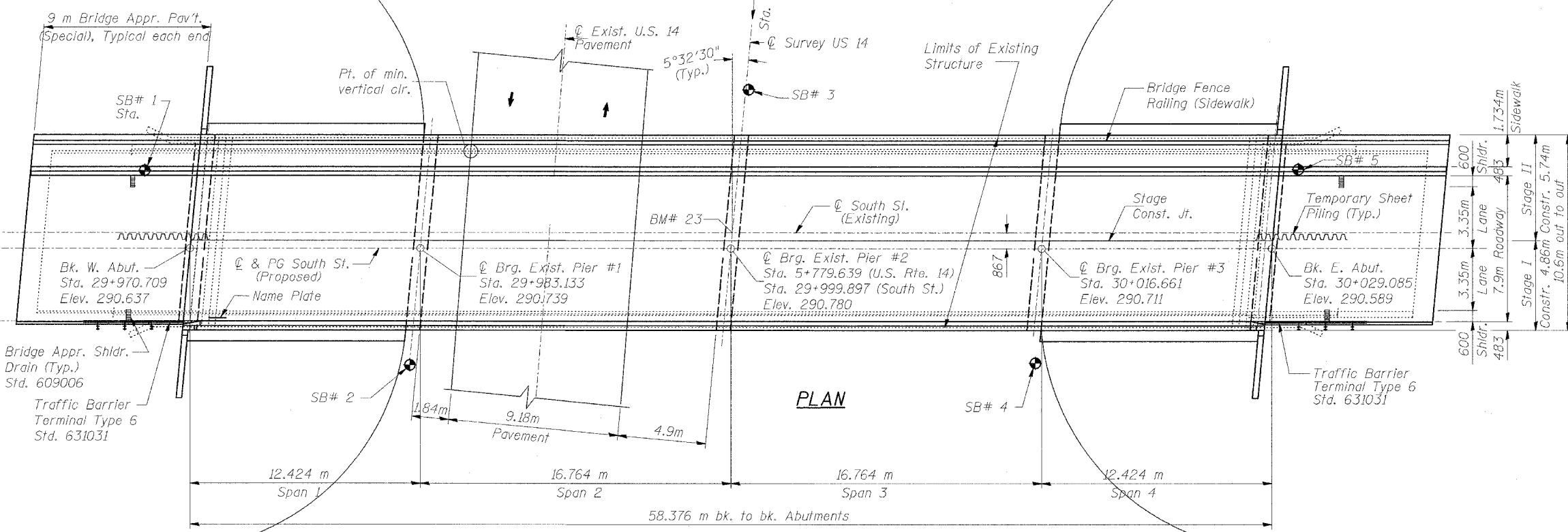
LETTERING FOR NAME PLATE
(See Std. 515001)

STATION 29+999.897
REBUILT 20__ BY
STATE OF ILLINOIS
F.A.P. RT. 305 SEC. 28R-2-RS-1
LOADING MS18
STR. NO. 056-3015

Existing name plate shall be cleaned and relocated adjacent to new plate. Cost included with Name Plates.



ELEVATION
(Looking North)



PLAN

LOADING MS18

Allow 2.4 kN/m² for future wearing surface.

DESIGN SPECIFICATIONS

1996 AASHTO & 1997, 1998, 1999, 2000 & 2002 Interims

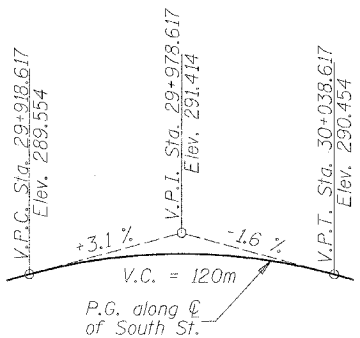
SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.035g
Site Coefficient (S) = 1.0

DESIGN STRESSES

FIELD UNITS
f_c = 24 MPa
f_y = 400 MPa (reinforcement)
f_y = 345 MPa, M270M (structural steel)

EXISTING
f_c = 10 MPa (without earth pressure)
f_c = 7 MPa (with earth pressure)
f_y = 275 MPa (reinforcement)



PROFILE GRADE SOUTH STREET

PROFILE GRADE US14
Along West Edge of Pavement

Sta. 5+725	Elev. 285.368
Sta. 5+750	Elev. 285.298
Sta. 5+773.94	Elev. 285.242
Sta. 5+786.35	Elev. 285.214
Sta. 5+800	Elev. 285.159
Sta. 5+825	Elev. 285.092

CURVE DATA US-14

P.I. STA. = 6+095.174
Δ = 76° 28' 10" LT.
T = 1,086.257 m
R = 1,378.668 m
L = 1,840.029 m
E = 376.518 m
P.C. STA. = 5+008.917
P.T. STA. = 6+848.946

GENERAL PLAN & ELEVATION			
Date	Designed MR	SOUTH ST. OVER US 14 FAP ROUTE NO. 305 SECTION 28R-2-RS-1 STATION 29+999.897 COUNTY McHENRY STRUCTURE NO. 056-3015	Sheet No.
Revisions	Drawn MR/RV		1
	Checked KSM		of 31
	Approved KSM		
		65 East Jackson Blvd. Chicago, Illinois 60604 312/466-8131	File Name: 1962S01.DGN Job No. 1962