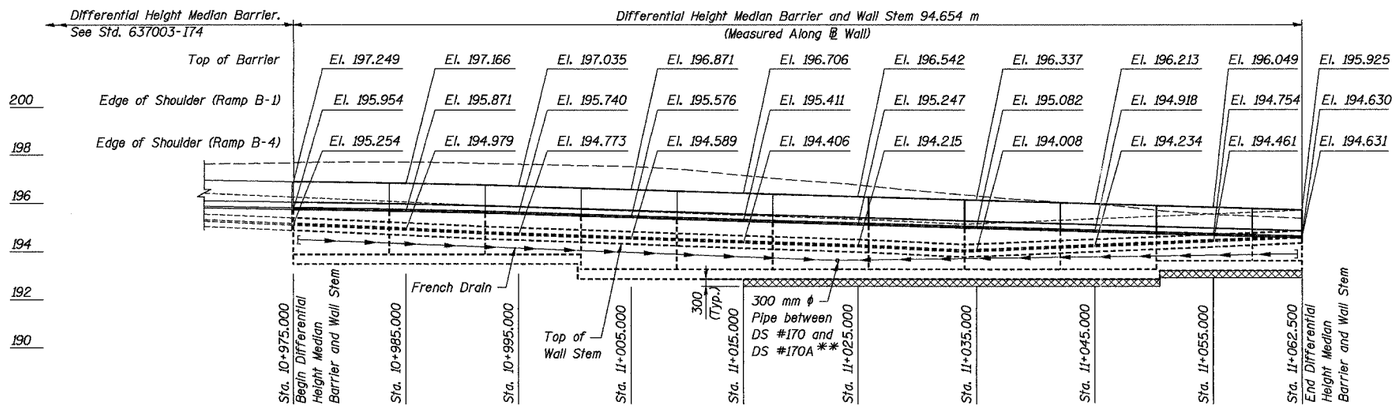
B. M. #49 : Southwest base bolt on aluminum light pole, north side of WB lanes, I-74 and 30 m± west of bridge, War Memorial Drive spur over I-74, El. 190.771 m
B. M. #3001 : Chiseled " □ " on concrete sign base (I-74 - Bloomington/Galesburg) on west side of War Memorial Drive spur. El. 198.767 m
Construction Staging: Single Stage Construction

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	636	1360
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

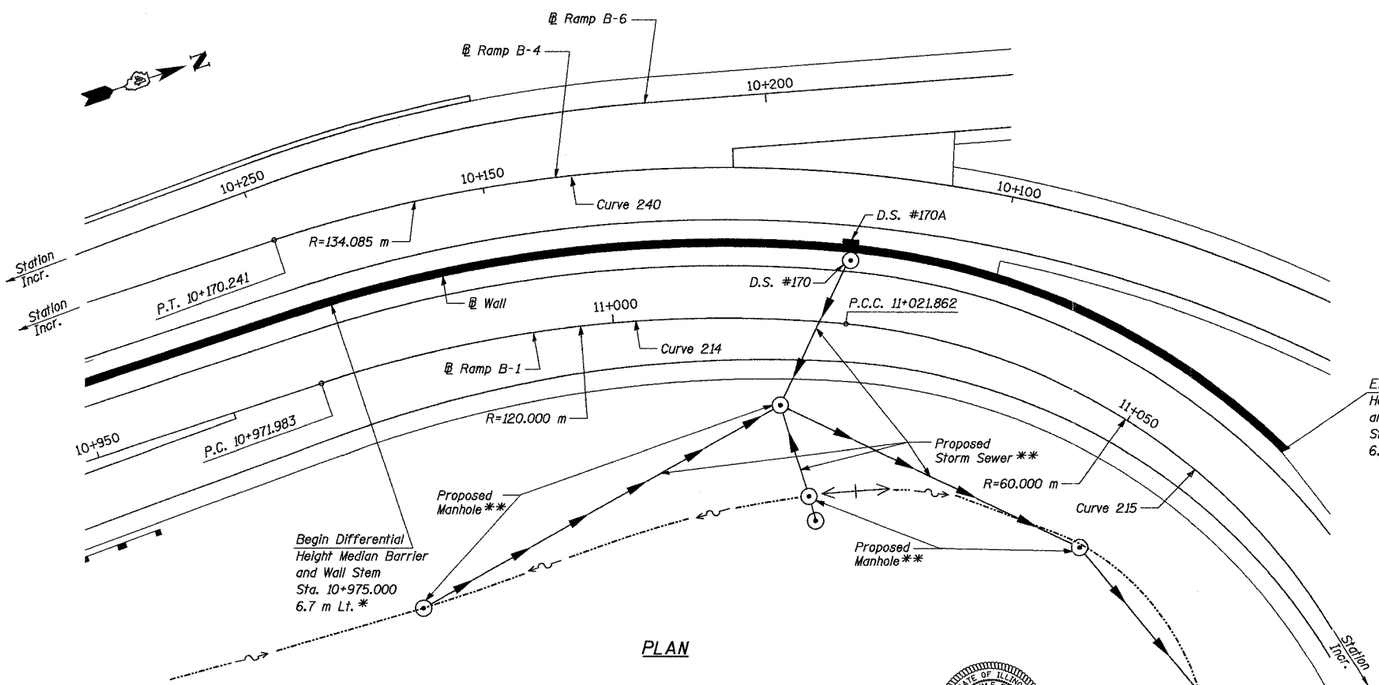
CONTRACT NO. 68200



WALL ELEVATION - RAMP B-1

(Looking West)

Removal limits below bottom of footing. Final limits of Removal and Disposal of Unsuitable Materials shall be determined by the Engineer at the time of construction. Replace with Porous Granular Embankment.



PLAN

* Offsets refer to Ramp B-1 at ℄ Wall. See Typical Sections on Sheet 3 for Details.

** See Drainage Plans

STATE OF ILLINOIS WILLIAM E. BAKER 081-006061 CHICAGO LICENSED STRUCTURAL ENGINEER

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal and Disposal of Unsuitable Material	m^3	30
Porous Granular Embankment	m^3	30
French Drains	m^3	17.0
Structure Excavation	m^3	226
Concrete Barrier, Double Face (Special)	m^3	223.9
Reinforcement Bars, Epoxy Coated	kg	7790

INDEX OF SHEETS

1. General Plan and Elevation
2. Plan and Elevation
3. Bill of Material and Misc. Details

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications

DESIGN STRESSES

FIELD UNITS

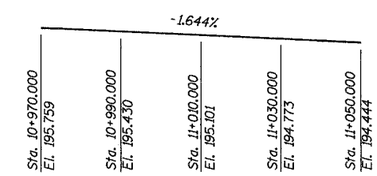
f'c = 24 MPa
fy = 400 MPa (Reinf.)

CURVE DATA

RAMP B-1 CURVE 214
Δ = 23° 48' 55" (RT)
R = 120.000 m
T = 25.305 m
L = 49.878 m
E = 2.639 m
P.C. STA = 10+971.983
P.I. STA = 10+997.288
P.T. STA = 11+021.862
S.E. = 8.0%
Transition In STA. 10+936 to STA. 10+989
Transition Out N/A

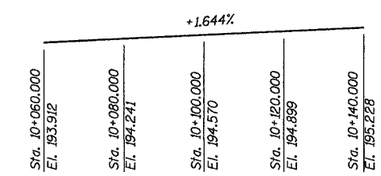
RAMP B-1 CURVE 215
Δ = 85° 02' 20" (RT)
R = 60.000 m
T = 55.017 m
L = 89.053 m
E = 21.406 m
P.C. STA = 11+021.862
P.I. STA = 11+076.879
P.T. STA = 11+110.914
S.E. = 8.0%
Transition In N/A
Transition Out STA. 11+096 to 11+111

RAMP B-4 CURVE 240
Δ = 72° 44' 44" (RT)
R = 134.085 m
T = 98.757 m
L = 170.241 m
E = 32.444 m
P.C. STA = 10+000.000
P.I. STA = 10+098.757
P.T. STA = 10+170.241
S.E. = -7.9%
Transition In 10+013 to 10+075
Transition Out STA. 10+153 to 10+230



PROFILE GRADE RAMP B-1

(Along ℄ Ramp B-1)

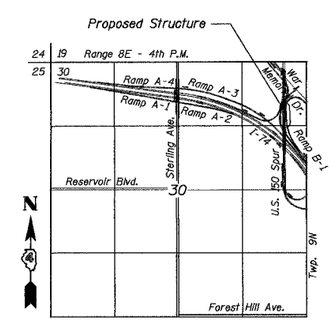


PROFILE GRADE RAMP B-4

(Along ℄ Ramp B-4)

GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of AASHTO M 31M, or M 322M Grade 400.
2. All dimensions are in millimeters (mm) except as noted.
3. All construction joints shall be bonded.



LOCATION SKETCH

REVISION	DATE	DESCRIPTION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION

DIFFERENTIAL HEIGHT MEDIAN BARRIER - RAMP B-1
F.A.I. ROUTE 74 SECTION (72-7)R-3
PEORIA COUNTY
STA. 10+975 TO STA 11+062.5 (RAMP B-1)
STRUCTURE NUMBER 072-NA

PARSONS TRANSPORTATION GROUP
CHICAGO, ILLINOIS

DRAWING NO.	SCALE	DATE	SHEET NO.
1	N.T.S.	11/16/04	1

Designed by:	CJJ/WEE
Checked by:	EI/AK
Drafted by:	RK-S
Checked by:	CJJ/AK

Filename: P:\643996\structural\Wall #12b\sheet\Tracings\GP0001-1A.dgn
Date: 11/22/2004 Time: 01:58:17 PM