

Bench Mark: MON 144 - Located East of Spine Road and West of Mannheim Road at the Southeastern side of O'Hare Airport. Elev. 643.22

Existing Structure: None

During Stage II Construction Two-Way Traffic Will Be Maintained on N.B. Mannheim Road.

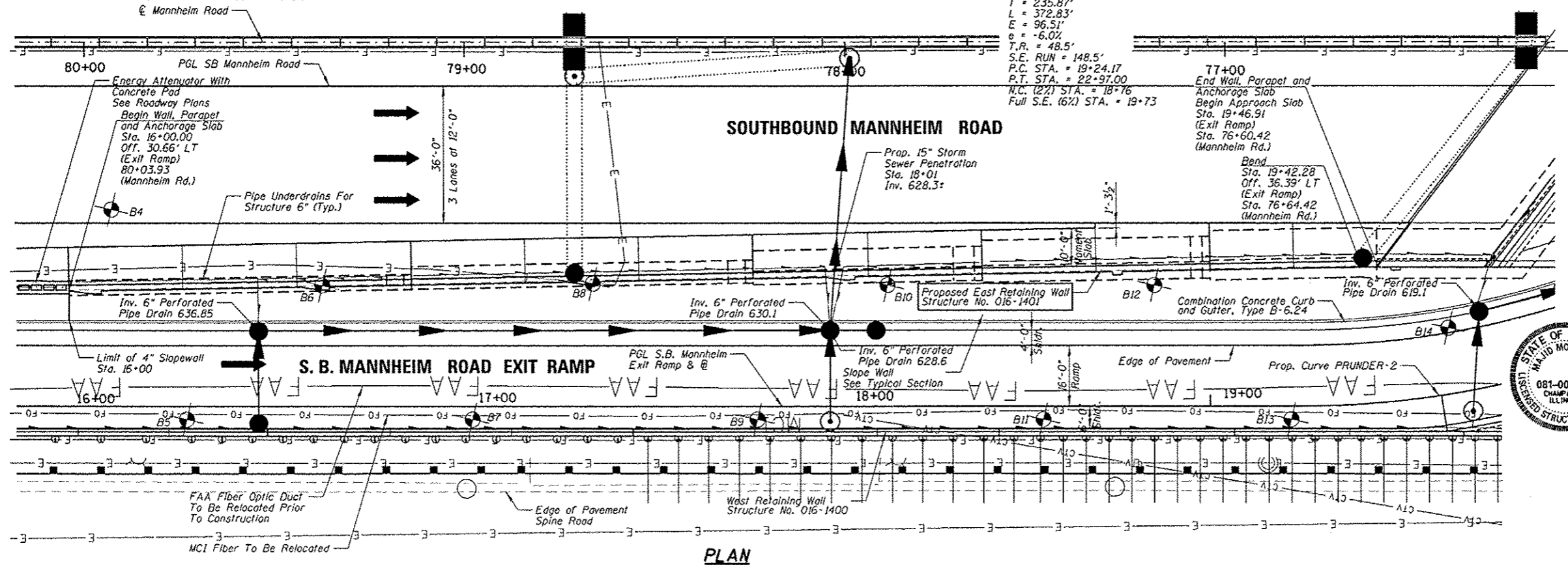
CURVE DATA

PROP. CURVE PRUNDER-2
 P.I. STA. = 21+60.04
 $\Delta = 89^\circ 00' 23" (LT)$
 $D = 23^\circ 52' 24"$
 $R = 240.00'$
 $T = 235.87'$
 $L = 372.83'$
 $E = 96.51'$
 $e = -6.0\%$
 $T.R. = 48.5'$
 $S.E. RUN = 148.5'$
 $P.C. STA. = 19+24.17$
 $P.T. STA. = 22+97.00$
 $M.C. (2%) STA. = 18+76$
 $Full S.E. (6%) STA. = 19+73$



Mark	Station	Offset	T/Wall Elevation	T/Parapet Elevation
1	16+00.00	30.66' LT	641.43	645.72
2	16+29.99	31.21' LT	641.29	645.58
3	16+59.98	31.77' LT	641.15	645.44
4	16+89.98	32.33' LT	641.01	645.30
5	17+19.97	32.89' LT	640.87	645.16
6	17+49.97	33.44' LT	640.73	645.02
7	17+79.96	34.00' LT	640.59	644.88
8	18+09.96	34.56' LT	640.45	644.74
9	18+39.95	35.12' LT	640.31	644.60
10	18+69.95	35.67' LT	639.16	644.05
11	18+99.94	36.23' LT	639.46	643.75
12	19+21.79	36.64' LT	639.19	643.48
13	19+42.26	36.39' LT	638.96	643.25
14	19+46.91	35.72' LT	639.03	643.20

NOTE: All Offsets Are Measured From The Proposed Baseline Of S.B. Mannheim Road Exit Ramp To The Front Face Of The Retaining Wall. See Typical Section Thru Wall on Sheet S-6.

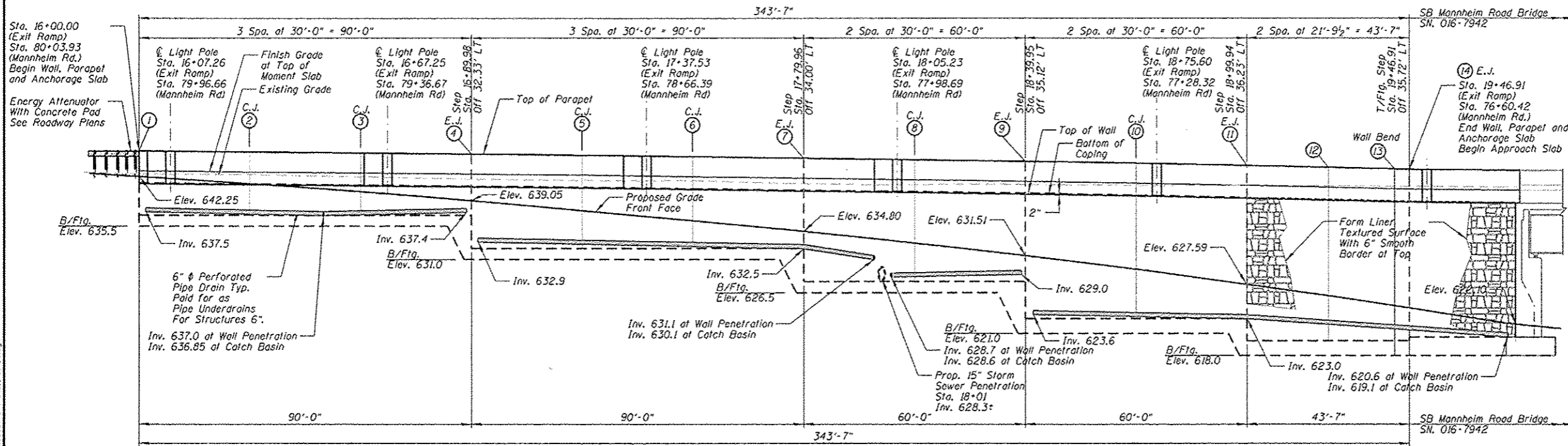


PLAN



Majid Mobasseri 10/18/12
MAJID MOBASSERI
 ILLINOIS REGISTRATION NO. 081-005058
 STRUCTURAL ENGINEER
 EXPIRATION DATE: 11/30/14

APPROVED
 For Structural Adequacy Only
Carl Krueger
 Engineer of Bridges & Structures



ELEVATION

NOTE: See Sheet S-2 For Profile Grade - S.B. Mannheim Road Exit Ramp and Profile Grade - S.B. Mannheim Road.



GENERAL PLAN AND ELEVATION
EAST RETAINING WALL
SOUTHBOUND EXIT RAMP
 E.A.P. RTE. 330-SEC 0105 WRS&HB
 COOK COUNTY
 STRUCTURE NO. 016-1401

DESIGN SPECIFICATIONS
 2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition.

DESIGN STRESSES
 FIELD UNITS
 $f_c = 3,500 \text{ psi}$
 $f_y = 60,000 \text{ psi (Reinf.)}$

LOADING
 Live Load Surcharge = 2 ft of Earth
 Traffic Impact Load = 2 kip over 5 ft Length of Parapet

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 2015 N. Higgins Road, Suite 100
 Downers Grove, IL 60515
 (630) 833-0000

USER NAME	DESIGNED	REVISIONS
JMB	JMB	REVISIONS
MM	MM	REVISIONS
PDR	PDR	REVISIONS
MM	MM	REVISIONS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
 EAST RETAINING WALL - STRUCTURE NO. 016-1401

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	60	403

CONTRACT NO. 60637
 ILLINOIS FED. AID PROJECT