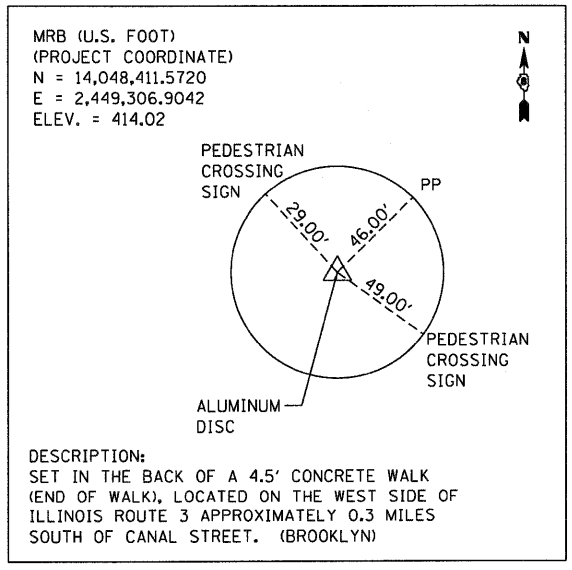
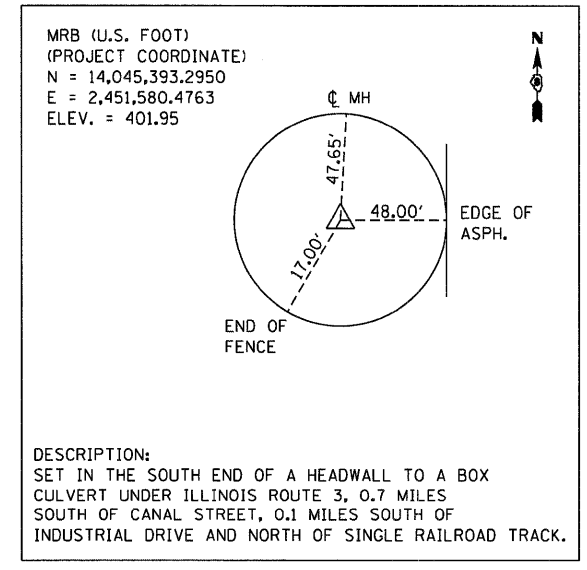


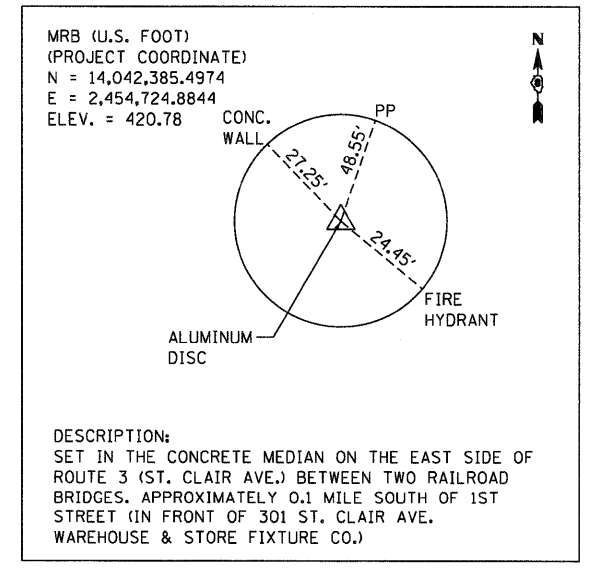
MONUMENT NO. 11



MONUMENT NO. 8



MONUMENT NO. 10



COORDINATE SYSTEM

THE MISSISSIPPI RIVER BRIDGE (MRB) PROJECT COORDINATE SYSTEM IS BASED ON A MODIFIED UNIVERSAL TRANSVERSE MERCATOR (UTM) SYSTEM. THE MRB PROJECT COORDINATE SYSTEM HAS CONVERTED FROM UTM ZONE 15 NORTH BY AN AVERAGE PROJECTION FACTOR AND ALSO CONVERTED FROM METERS TO U.S. SURVEY FEET.

HORIZONTAL DATUM

THE DATUM USED IS NAD-83
 THE MRB PROJECT COORDINATES HAVE BEEN TRANSFORMED FROM UTM BY USING AN AVERAGE PROJECTION FACTOR IN THE PROJECT AREA.

AVERAGE GRID FACTOR = 1.000339495
 PROJECTION FACTOR = 1/GRID = 0.999660620

THE BASE POINT THAT ALL UTM COORDINATES WERE SCALED FROM WAS THE CENTRALLY LOCATED MONUMENT NO. 10. EACH VECTOR FROM MONUMENT NO. 10 TO ALL OTHER MONUMENTS WAS MULTIPLIED BY THE PROJECTION FACTOR TO CALCULATE A SURFACE VECTOR AND THEN THIS SURFACE VECTOR WAS USED TO CALCULATE THE SURFACE COORDINATE (MRB). (NOTE: 1 METER EQUALS 3.28083333 U.S. SURVEY FOOT).

UTM ZONE 15 NORTH (METERS) = PROJECTED GRID COORDINATES
 MRB (FEET) = PROJECT SURFACE COORDINATES

VERTICAL DATUM

THE DATUM USED IS NAVD 1988

\\BDCDN\98-MOTIFLIGN... \\BDCDN\98-BORDERLIGN... \\BDCDN\99-LAYOUTLIGN... \\BDCDN\99-ALIGNMENTLIGN... \\BDCDN\24-SIT-ALIGNLIGN... \\BDCDN\05-MOTIFLIGN... \\BDCDN\05-SIT-ALIGNLIGN... \\BDCDN\05-BORDERLIGN... \\BDCDN\05-VAUL_LD_FRANS... \\NF5-084\4\VAUL_LD_FRANS...

FILE NAME =	USER NAME = #USER#	DESIGNED - JB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION I-70 CONNECTION	ALIGNMENTS, TIES & BENCHMARKS 4 SCALE: 1"=500' SHEET NO. OF SHEETS STA. TO STA.			F.A.P. RTE. 998	SECTION 82-2-1HYB	COUNTY ST. CLAIR	TOTAL SHEETS 285	SHEET NO. 21
#FILE#	PLOT SCALE = #SCALE#	DRAWN - JB	REVISED -					CONTRACT NO. 76C44				
TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS	CHECKED - ACL	REVISIED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
	PLOT DATE = #DATE#	DATE - 06/04/10	REVISED -									