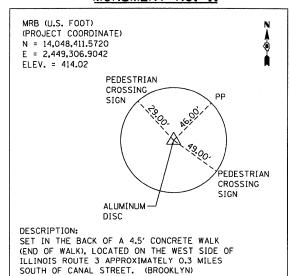
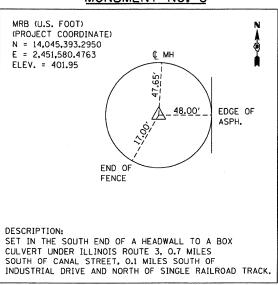


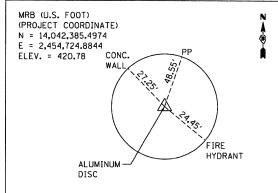
MONUMENT NO. 11



MONUMENT NO. 8



MONUMENT NO. 10



DESCRIPTION:
SET IN THE CONCRETE MEDIAN ON THE EAST SIDE OF ROUTE 3 (ST. CLAIR AVE.) BETWEEN TWO RAILROAD BRIGGES. APPROXIMATELY 0.1 MILE SOUTH OF 1ST STREET (IN FRONT OF 301 ST. CLAIR AVE. WAREHOUSE & STORE FIXTURE CO.)

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 CORRDINATES

VERTICAL DATUM

THE DATUM USED IS NAVD 1988

E &									
16:1	FILE NAME =	USER NAME = \$USER\$	DESIGNED - JB	REVISED ~	STATE OF ILLINOIS	ALIGNMENTS, TIES &	F.A.P. SECT	TION	TOTAL SHEET
-2009.	LELS TENG & ASSOCIATES, INC.		DRAWN - JB	REVISED -	DEPARTMENT OF TRANSPORTATION	BENCHMARKS 3	11116	TION COUNTY	SHEETS NO.
		PLOT SCALE = \$SCALE\$	CHECKED - ACL	REVISED -		DESCRIPTION O	9153 82-	1K ST. CLAI	IR 107 18
ND8	TEND ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS	PLOT DATE = \$DATE\$	DATE - 10/09/	09 REVISED ~	I-70 CONNECTION	SCALE: 1"=500" SHEET NO. OF SHEETS STA. TO STA	FED. ROAD DIST. NO.		ACT NO. 76C40
							FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	