BENCHMARKS				
MONUMENT	EL	STATION	OFFSET	DESCRIPTION
BM DAS 11	426.33	55S70W 53+26	35.4' RT	CUT "X" SE BOLT WEST FOUNDATION SIGN TRUSS OVER I-55/I-70 NORTH OF EXCHANGE AVE.
BM DAS 12	417.42	I-55 SB/I-70 WB 59+07	109.3' RT	CHSLD "SQUARE" CURB INLET NORTH SIDE EXCHANGE AVE. RAMP FROM I-55 S.B./I-70 W.B.
BM DAS 13	418.61	70E55N 86+82	12.2' LT	CHISELED "SQUARE" NE CORNER RETAINING WALL BETWEEN I-55 N.B. / I-70 E.B. & EXCHANGE AVE. ON RAMP
BM DAS 14	433.99	70E55N 92+20	26.0' RT	CUT "X" NW BOLT IN FOUNDATION OF LARGE LIGHT POLE I-55 / I-70 E.B. 500' NORTH OF EXCHANGE AVE. BRIDGE
BM JD 2	397.22	I-55 NB 63+96	62.6' RT	CHSLD "SQUARE" TOP OF CRASHWALL I-55/I-70 E.B. AT NE CORNER PIER ST. CLAIR AVE. BRIDGE
BM JD 4	403.40	I-55 SB/I-64 EB 18+35	35.5' RT	CHISELLED SQUARE NORTHERLY FOUNDATION SIGN TRUSS OVER I-55/70 WB RAMP TO I-64 EB
BM 25	429.43	I-70 EB/I-55 NB 60+32	65' RT	CHISELLED SQUARE IN CONCRETE FOUNDATION OF MANHOLE STRUCTURE BETWEEN I-55/70 WB & CSX RR, NE'LY OF ST. CLAIR AVE
BM 26	423.65	I-70 EB/I-55 NB 51+42	210' RT	CHISELLED 'X' SOUTHERLY CAP BOLT FIRE HYDRANT AT NORTH QUADRANT 2ND ST. & ST. CLAIR AVE

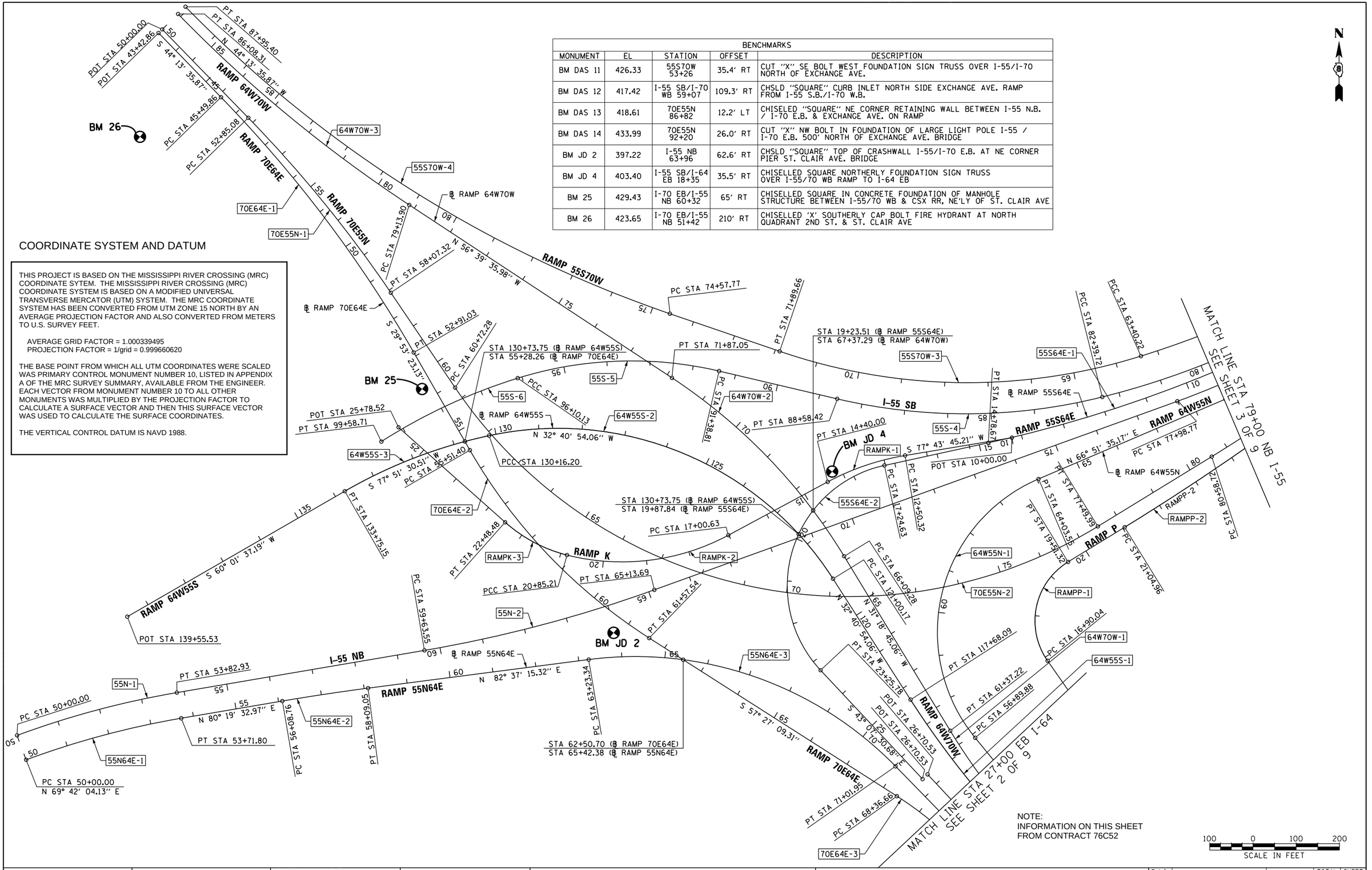
COORDINATE SYSTEM AND DATUM

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

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

THE BASE POINT FROM WHICH ALL UTM COORDINATES WERE SCALED WAS PRIMARY CONTROL MONUMENT NUMBER 10, LISTED IN APPENDIX A OF THE MRC SURVEY SUMMARY, AVAILABLE FROM THE ENGINEER. EACH VECTOR FROM MONUMENT NUMBER 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 COORDINATES.

THE VERTICAL CONTROL DATUM IS NAVD 1988.



NOTE:
INFORMATION ON THIS SHEET FROM CONTRACT 76C52

100 0 100 200
SCALE IN FEET

FILE NAME = D8TRI-76C52-sht-ATB-01.dgn	USER NAME = searsb	DESIGNED OP	REVISED -
		DRAWN OP	REVISED -
	PLOT SCALE = 200.0000 ' / in.	CHECKED DBM	REVISED -
	PLOT DATE = 1/24/2012	DATE 1-20-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1"=100' | SHEET NO. 1 OF 9 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1-R(A)LS	ST. CLAIR	83	6
		CONTRACT NO. 76F71		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		