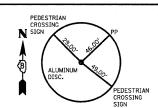


BENCHMARK MONUMENT *3

DESCRIPTION:

SET AT THE END OF A CONCRETE WALK AT THE NORTHWEST CORNER OF MULLANPHY STREET AND 1ST STREET; AND THE SOUTHEAST CORNER OF THE PROPERTY OF STATE CORRECTIONAL FACILITY

NORTHING = 14044432.0298 EASTING = 2444615.4314 ELEV = 444.67

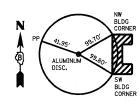


BENCHMARK MONUMENT *11

DESCRIPTION:

SET IN THE BACK OF A 4.5' CONCRETE APPROXIMATELY 0.3 MILES SOUTH OF CANAL STREET. (BROOKLYN)

NORTHING = 14048411.5720 EASTING = 2449306.9042

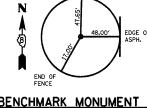


BENCHMARK MONUMENT *7

DESCRIPTION:

SET IN THE SOUTHWEST CORNER OF CONCRETE TO A 6'X6' S.Q. MANHOLE STRUCTURE ON THE EAST SIDE OF FRONT STREET IN GRAVEL AT EDGE OF ASPHALT BETWEEN LOW SERVICE PUMPSTATION AND BISTATE WAREHOUSING, INC. 650 N. FRONT STREET, 0.7 MILE NORTH OF THE INTERSECTION OF FRONT STREET AND RIVERPARK

NORTHING = 14044016.7556 EASTING = 2448022.8515 ELEV = 416.06

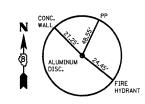


BENCHMARK MONUMENT *8

DESCRIPTION:

SET IN SOUTH END OF A HEADWALL TO A BOX CULVERT UNDER ILLINOIS ROUTE 3, 0.7 MILES SOUTH OF CANAL STREET, O.1 MILES SOUTH OF INDUSTRIAL DRIVE AND NORTH OF SINGLE RAILROAD TRACK.

NORTHING = 14045393.2950 EASTING = 2451580.4763 ELEV = 401.95

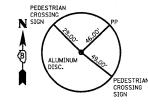


BENCHMARK MONUMENT *10

DESCRIPTION:

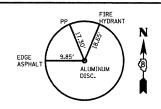
SET IN CONCRETE MEDIAN ON THE EAST SIDE OF ROUTE 3 (ST. CLAIR AVE) BETWEEN TWO RAILROAD BRIDGES. APPROXIMATELY 0.1 MILE SOUTH OF 1ST STREET (IN FRONT OF 301 ST. CLAIR AVE WAREHOUSE & STORE FIXTURE CO.)

NORTHING = 14042385.4974 EASTING = 2454724.8844 ELEV = 420.78



WALK (END OF WALK), LOCATED ON THE WEST SIDE OF ILLINOIS ROUTE 3

ELEV = 414.02



BENCHMARK MONUMENT *12

DESCRIPTION:

SET IN THE SOUTHWEST CORNER OF A LARGE CONCRETE WATER VAULT AT THE NORTHEAST CORNER OF CORNELL AND CANAL /EAGLE PARK ROAD. 0.3_+ MILES FROM THE INTERSECTION OF CANAL AND ILLINOIS ROUTE 3.

NORTHING = 14050279.7954 EASTING = 2450624.9022 ELEV = 411.30

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.

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

REVISED -REVISED -REVISED -ILLINOIS APPROACH STRUCTURE New 1–70 Mississippi River Br POINT REFERENCE

CONTRACT NO. 76D61 F.A. ROUTE SECTION

FED. AID PROJECT ILLINOIS

USER NAME = John Keeven PLOT SCALE = 1.2000 ' / IN. PLOT DATE = 4/14/2010 DESIGNED - HNTB CHECKED - CMT

COLINTY

DRAWN

REVISED -

82-1B-2

ST. CLAIR

- CMT / HNTB

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION HIGHWAYS TION COMIN MISSOURI F AND



SHEET 14 OF 81