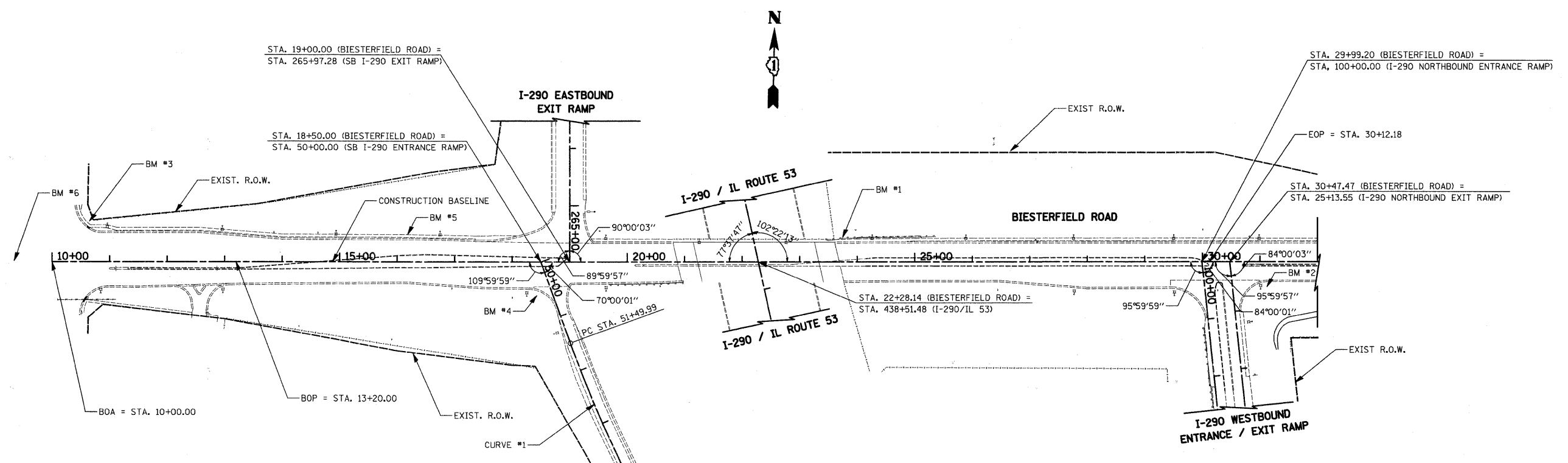


DATE: _____
 BY: _____
 SURVEYED: _____
 ALIGNED: _____
 CHECKED: _____
 PLAN: _____
 NO. _____

DATE: _____
 BY: _____
 SURVEYED: _____
 GRADES CHECKED: _____
 PROFILE: _____
 NO. _____



BIESTERFIELD ROAD ALIGNMENT DATA

POINT NO.	STATION	NORTHING	EASTING
BOA	10+00.00	1943939.401	1066349.330
BOP	13+20.00	1943945.246	1066669.277
EOP	30+12.18	1943976.155	1068361.176
EOA	40+00.00	1943994.198	1069348.830

SOUTHBOUND ENTRANCE RAMP ALIGNMENT DATA

POINT NO.	STATION	NORTHING	EASTING
BOA	50+00.00	1943954.927	1067199.194
EOP	58+00.00	1943241.801	1067557.370

SOUTHBOUND ENTRANCE RAMP CURVE #1 ALIGNMENT DATA

POINT NO.	STATION	NORTHING	EASTING
P.C.	51+49.99	1943814.945	1067253.058
P.I.	53+50.50	1943627.805	1067325.067
P.T.	55+50.00	1943456.014	1067428.479

CURVE #1
 P.I. STA= 53+50.50
 $\Delta = 10^{\circ} 00' 01''$
 $D = 2^{\circ} 30' 00''$
 $R = 2291.83'$
 $T = 200.52'$
 $L = 400.01'$
 $E = 8.76'$
 $e = 1.50\%$ (PER RECORD PLANS)
 P.C. STA= 51+49.99
 P.T. STA= 55+50.00

NOTES:
 BOA = BEGINNING OF ALIGNMENT
 BOP = BEGINNING OF PROJECT
 EOA = END OF ALIGNMENT
 EOP = END OF PROJECT
 P.I. = POINT OF INTERSECTION
 P.C. = POINT OF CURVATURE
 P.T. = POINT OF TANGENT
 BM = BENCHMARK

SOUTHBOUND ENTRANCE RAMP CURVE #2 ALIGNMENT DATA

POINT NO.	STATION	NORTHING	EASTING
P.C.	57+84.86	1943254.796	1067549.606
P.I.	61+24.64	1942963.692	1067724.840
P.T.	64+59.50	1942634.267	1067808.078

CURVE #2
 P.I. STA= 61+24.64
 $\Delta = 16^{\circ} 51' 58''$
 $D = 2^{\circ} 30' 00''$
 $R = 2291.83'$
 $T = 339.78'$
 $L = 674.64'$
 $E = 25.05'$
 $e = 2.00\%$ (PER RECORD PLANS)
 P.C. STA= 57+84.86
 P.T. STA= 64+59.50

BENCHMARKS

- REF BM NGS PID-MF0043; THE STATION IS LOCATED ALONG ROUTE 53, 290 FEET SOUTH OF THE CENTERLINE OF HOLLYWOOD AVENUE AND 48.6 FEET EAST OF THE CENTERLINE OF ROUTE 53. THE STATION IS 141 FEET NORTHWEST OF THE SOUTHWEST CORNER OF AN INDUSTRIAL OFFICE BUILDING (ADDRESS 701 ROUTE 53). THE MONUMENT IS A 3.5 INCH DISK IN THE TOP OF A CONCRETE MONUMENT WITH A PVC SLEEVE AND A 6 INCH LID. DISK IS 2.0 FEET BELOW LID. ELEV. = 735.66
- BM #1 RIM OF TRAFFIC SIGNAL MANHOLE LOCATED APPROXIMATELY 13 FEET EAST OF THE I-290 BRIDGE (NORTH SIDE OF BIESTERFIELD ROAD). ELEV. = 726.11
- BM #2 NORTHEAST CORNER OF THE TRAFFIC SIGNAL CONTROL BOX LOCATED AT THE SOUTHEAST CORNER OF THE I-290 EXIT RAMP AND BIESTERFIELD ROAD (SOUTH SIDE OF BIESTERFIELD ROAD). ELEV. = 714.10
- BM #3 NORTHWEST BONNET BOLT OF FIRE HYDRANT LOCATED AT THE SOUTHEAST CORNER OF MARTHA STREET AND BIESTERFIELD ROAD (SOUTH SIDE OF BIESTERFIELD ROAD). ELEV. = 704.66
- BM #4 NORTH CORNER OF THE TRAFFIC SIGNAL CONTROL BOX LOCATED APPROXIMATELY 250 FEET WEST OF THE I-290 BRIDGE (SOUTH SIDE OF BIESTERFIELD ROAD). ELEV. = 723.65
- BM #5 RIM OF TRAFFIC SIGNAL MANHOLE LOCATED APPROXIMATELY 560 FEET EAST OF THE INTERSECTION OF BIESTERFIELD ROAD AND ROHLWING ROAD (NORTH SIDE OF BIESTERFIELD ROAD). ELEV. = 719.94
- BM #6 CROSS CUT IN NOSE OF CONCRETE MEDIAN AT THE INTERSECTION OF BIESTERFIELD ROAD AND ROHLWING ROAD. ELEV. = 710.36

ELEVATIONS ARE BASED ON USGS DATUM

