



**PROPOSED PLAN & B CURVE DATA**

YORK STREET	BRUSH HILL ROAD	ILLINOIS ROUTE 38 ENTRANCE RAMP
PROP. CURVE PRYORK-1 PI STA. = 223+03.13 Δ = 3° 51' 22" (LT) D = 0° 23' 56" R = 14,360.00' T = 483.40' L = 966.44' E = 8.13' e = N.C. T.R. = N/A S.E. RUN = N/A P.C. STA. = 218+19.73 P.T. STA. = 227+86.17	EX. CURVE BRUSH-1 PI STA. = 115+89.18 Δ = 69° 11' 27" (LT) D = 32° 44' 26" R = 175.00' T = 120.70' L = 211.33' E = 37.59' e = 6.00% T.R. = 42.08' S.E. RUN = 126.25' P.C. STA. = 114+68.47 P.T. STA. = 116+79.80	PROP. CURVE BRUSH-2 PI STA. = 120+36.25 Δ = 56° 28' 06" (RT) D = 20° 27' 46" R = 280.00' T = 150.35' L = 275.96' E = 37.81' e = 3.51% AND VARIES T.R. = 43' S.E. RUN = 75' P.C. STA. = 118+85.90 P.T. STA. = 121+61.86

ILLINOIS ROUTE 38 ENTRANCE RAMP	ILLINOIS ROUTE 38 ENTRANCE RAMP	ILLINOIS ROUTE 38 ENTRANCE RAMP
PROP. CURVE PRENT-A-1 PI STA. = 501+31.56 Δ = 18° 20' 23" (RT) D = 7° 01' 49" R = 815.00' T = 131.56' L = 260.87' E = 10.55' e = VARIES 1.59% TO 6.60% T.R. = ** S.E. RUN = ** P.C. STA. = 500+00.00 P.C.C. STA. = 502+60.87	PROP. CURVE PRENT-A-2 PI STA. = 503+52.47 Δ = 24° 36' 26" (RT) D = 13° 38' 31" R = 420.00' T = 91.60' L = 180.38' E = 9.87' e = 6.60% T.R. = ** S.E. RUN = ** P.C. STA. = 502+60.87 P.C.C. STA. = 504+41.25	PROP. CURVE PRENT-A-3 PI STA. = 505+50.43 Δ = 54° 43' 03" (RT) D = 27° 09' 16" R = 211.00' T = 109.18' L = 201.50' E = 26.57' e = 8.00% T.R. = 50' S.E. RUN = 180' P.C. STA. = 504+41.25 P.T. STA. = 506+42.76

**ILLINOIS ROUTE 38 EXIT RAMP**

ILLINOIS ROUTE 38 EXIT RAMP	ILLINOIS ROUTE 38 EXIT RAMP
PROP. CURVE PREXIT-A-1 PI STA. = 403+31.77 Δ = 10° 37' 50" (RT) D = 10° 13' 53" R = 560.00' T = 52.10' L = 103.90' E = 2.42' e = MATCH EXISTING T.R. = MATCH EXISTING S.E. RUN = MATCH EXISTING P.C. STA. = 402+79.67 P.C.C. STA. = 403+83.57	PROP. CURVE PREXIT-A-2 PI STA. = 404+84.30 Δ = 39° 34' 16" (RT) D = 20° 27' 46" R = 280.00' T = 100.73' L = 193.38' E = 17.57' e = MATCH EXISTING T.R. = MATCH EXISTING S.E. RUN = MATCH EXISTING P.C. STA. = 403+83.57 P.T. STA. = 405+76.95

**COORDINATE DATA**

CURVE	POINT	STATION	NORTHING	EASTING
<b>YORK STREET</b>				
	POT	208+40.64	3,292.27	7,469.34
PRYORK-1	PI	223+03.13	4,719.29	7,149.23
PRYORK-1	PC	218+19.73	4,247.61	7,255.04
PRYORK-1	PT	227+86.17	5,182.79	7,011.94
<b>ILLINOIS ROUTE 38 ENTRANCE RAMP</b>				
PRENT-A-1	PI	501+31.56	3,282.29	7,606.39
PRENT-A-1	PC	500+00.00	3,256.13	7,477.46
PRENT-A-1	PT	502+60.87	3,266.56	7,737.01
PRENT-A-2	PI	503+52.47	3,255.61	7,827.95
PRENT-A-2	PC	502+60.87	3,266.56	7,737.01
PRENT-A-2	PT	504+41.25	3,207.78	7,906.08
PRENT-A-3	PI	505+50.43	3,151.81	7,999.82
PRENT-A-3	PC	504+41.25	3,207.78	7,906.08
PRENT-A-3	PT	506+42.76	3,042.96	8,008.27
<b>ILLINOIS ROUTE 38 EXIT RAMP</b>				
PREXIT-A-1	PI	403+31.77	3,313.05	7,797.78
PREXIT-A-1	PC	402+79.67	3,312.08	7,745.69
PREXIT-A-1	PT	403+83.57	3,304.39	7,849.16
PREXIT-A-2	PI	404+84.3	3,287.66	7,948.49
PREXIT-A-2	PC	403+83.57	3,304.39	7,849.16
PREXIT-A-2	PT	405+76.95	3,211.49	8,014.39
<b>BRUSH HILL ROAD</b>				
BRUSH-1	PI	115+89.18	2,751.20	6,874.80
BRUSH-1	PC	114+68.47	2,751.36	6,754.10
BRUSH-1	PT	116+79.80	2,863.98	6,917.83
BRUSH-2	PI	120+36.25	3,197.01	7,044.89
BRUSH-2	PC	118+85.90	3,056.54	6,991.29
BRUSH-2	PT	121+61.86	3,229.93	7,191.59

**BENCHMARK SUMMARY**

NUMBER	ELEVATION	DESCRIPTION
9730	660.53	MAG NAIL ON EAST SIDE OF BRUSH HILL ROAD SOUTHWEST OF YORK STREET BRUSH HILL ROAD STATION 117+27.62, 17.61' RT
9914	667.43	DISC LOCATED ON WEST SIDE OF HOSPITAL DRIVEWAY ON NORTH SIDE OF BRUSH HILL ROAD, WEST OF YORK STREET BRUSH HILL ROAD STATION 120+85.95, 28.30' LT
TSC 1	668.82	MAG NAIL ON NORTH SIDE OF EXIT RAMP AND EAST OF YORK STREET ILLINOIS ROUTE 38 EXIT RAMP STATION 402+34.25, 13.82' LT
TSC 2	665.80	MAG NAIL BETWEEN ILLINOIS ROUTE 38 EXIT AND ENTRANCE RAMPS ILLINOIS ROUTE 38 ENTRANCE RAMP STATION 506+19.05, 64.86' LT
YK13001	685.99 (PUBLISHED) 686.01 (HELD)	BRONZE DISK MONUMENT ESTABLISHED IN CONCRETE BASE OF TRAFFIC CONTROL LIGHT STAMPED WITH "DUPAGE COUNTY OF MAPS AND PLATS" LOCATED AT THE SOUTHEAST CORNER OF BUTTERFIELD AND YORK ROADS.

**PLAN**

DATE	
BY	
SURVEYED	
PLOTTED	
CHECKED	
NOTE BOOK NO.	
ADD FILE NAME	

**PROFILE**

DATE	
BY	
SURVEYED	
PLOTTED	
CHECKED	
NOTE BOOK NO.	
STRUCTURE NOTATIONS CHKD	

FILE NAME = g:\CH08\8887\Road\Phase 2\Sheets\DX18087	USER NAME = jngolemba	DESIGNED - TKH	REVISED -
	AT&B.dgn	DRAWN - TKH	REVISED -
	PLOT SCALE = 200.0000' / IN.	CHECKED - JMG	REVISED -
	PLOT DATE = 8/5/2011	DATE = 7/4/2011	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**YORK STREET AT IL RTE 38 RAMPS/BRUSH HILL ROAD  
 ALIGNMENT, TIES & BENCHMARKS**

SCALE: 1"=200' SHEET NO. 12 OF 85 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2678	09-00171-00-CH	DUPAGE	85	12
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63610	