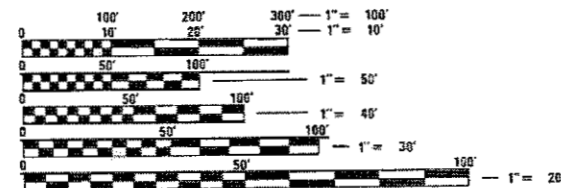


06-15-2018 LETTING ITEM 066

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FUNCTIONAL CLASSIFICATION:
OTHER ARTERIAL

TOWNSHIPS:
ST. CLAIR
BELLEVILLE



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: TIM PADGETT (618) 346-3325
PROJECT MANAGER: PHILLIP COPPERNOLL (618) 346-3480

CONTRACT NO. 76H45

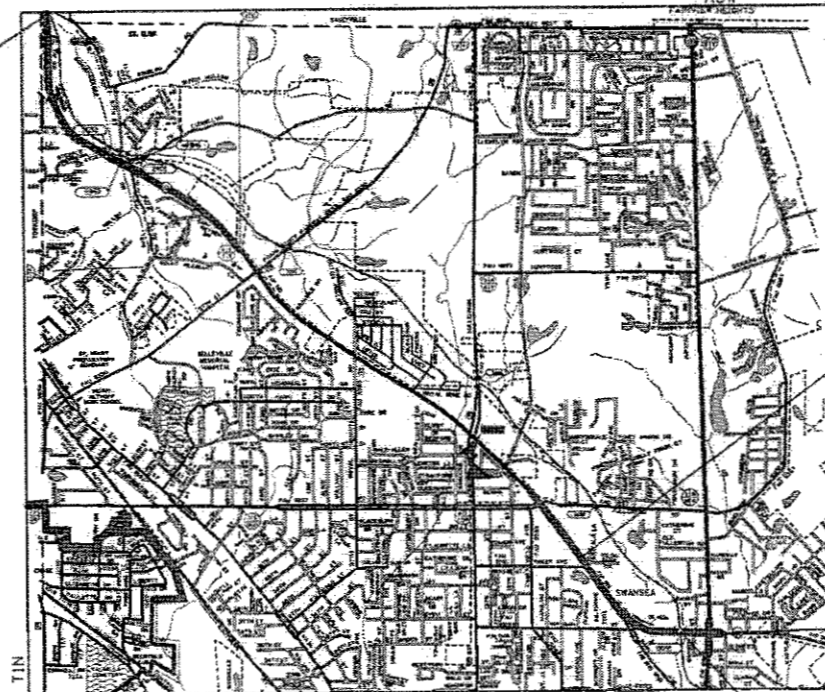
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

FAP ROUTE 805 (IL RTE. 161)
SECTION 146RS-4,122RS-2
PROJECT NHPP-JIXS(595)
3P RESURFACING PROJECT
ST. CLAIR COUNTY

C-98-074-14

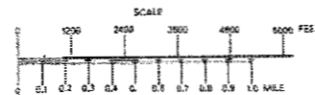
BEGIN PROJECT
STA. 113+00 (EB)
LAT: 38.571026
LONG: -90.035865
STA. 113+50 (WB)
LAT: 38.570872
LONG: -90.035685



STATION EQUATION
STA. 284+53.62 BK =
STA. 35+93.17 AH

END PROJECT
STA. 83+00
LAT: 38.533709
LONG: -89.981214

SN 000-0091 - BRIDGE OMISSION
STA. 63+04.50 - STA. 70+89.08



GROSS LENGTH = 21860.45 FT. = 4.140 MILE
NET LENGTH = 21675.87 FT. = 4.105 MILE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	1

ILLINOIS CONTRACT NO. 76H45

D-98-071-14



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED *Jan 24 2018*
Jeffrey Z. Ka...
REGIONAL ENGINEER

May 11 2018
co E.A. ETC
ENGINEER OF DESIGN AND ENVIRONMENT

May 18 2018
Paul P. Ch...
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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- 2 INDEX OF SHEETS, ADT, HIGHWAY STANDARDS,
& COMMITMENTS
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COMMITMENTS

WORK AT THE HIGH MOUNT ELEMENTARY SCHOOL ENTRANCE SHALL NOT CONFLICT WITH SCHOOL OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH THE SCHOOL. CONTACT PERSON IS MR. GEORGE WILKERSON, PRINCIPAL (233-4054).

ADT

BEGINNING OF PROJECT TO FRANK SCOTT PKWY
 2015 ADT = 14200 (ACTUAL)
 2017 ADT = 14600 (ESTIMATED)
 2037 ADT = 17800 (ESTIMATED)
 SU = 5.2%
 MU = 1.8%

FRANK SCOTT PARKWAY TO ROYAL HEIGHTS
 2015 ADT = 14700 (ACTUAL)
 2017 ADT = 15000 (ESTIMATED)
 2037 ADT = 18300 (ESTIMATED)
 SU = 4.4%
 MU = 1.4%

ROYAL HEIGHTS TO SULLIVAN/17TH
 2015 ADT = 15700 (ACTUAL)
 2017 ADT = 16000 (ESTIMATED)
 2037 ADT = 19500 (ESTIMATED)
 SU = 3.3%
 MU = 1.0%

SULLIVAN/17TH TO FULLERTON
 2015 ADT = 14000 (ACTUAL)
 2017 ADT = 14300 (ESTIMATED)
 2037 ADT = 17400 (ESTIMATED)
 SU = 3.9%
 MU = 1.2%

FULLERTON TO BOUL
 2015 ADT = 20400 (ACTUAL)
 2017 ADT = 20800 (ESTIMATED)
 2037 ADT = 25400 (ESTIMATED)
 SU = 4.0%
 MU = 1.8%

BOUL TO IL 159
 2015 ADT = 17400 (ACTUAL)
 2017 ADT = 17700 (ESTIMATED)
 2037 ADT = 21700 (ESTIMATED)
 SU = 2.4%
 MU = 0.8%

IL 159 TO END OF PROJECT
 2015 ADT = 22800 (ACTUAL)
 2017 ADT = 23300 (ESTIMATED)
 2037 ADT = 28400 (ESTIMATED)
 SU = 2.1%
 MU = 0.3%

HIGHWAY STANDARDS

000001-06	642001-02	701901-07
001001-02	642006	725001-01
001006	667101-02	780001-05
420001-09	668001-01	781001-04
424001-10	701101-05	782001-01
424006-03	701421-08	782006
424011-03	701422-10	814001-03
424021-04	701426-09	814006-02
424031-01	701601-09	876001-04
442201-03	701602-09	878001-10
606001-07	701606-10	886001-01
606301-04	701701-10	886006-01
630001-12	701801-06	
631006-08		

FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, ADT, HIGHWAY STANDARDS, & COMMITMENTS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIDOT\Documents\DOT Offices\District 8\Projects\0875\Drawings\EA0\sheet\0875h45-sht-gen	DESIGNED -	REVISED -	805			146RS-4,122RS-2	ST. CLAIR	74	2	
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -	CONTRACT NO. 76H45							
PLOT DATE = 1/25/2018	DATE -	REVISED -	SCALE:			SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

GENERAL NOTES

1. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

	AERIAL	BURIED
*AMEREN ILLINOIS (GAS & ELECTRIC)	X	X
*AT&T ILLINOIS (COMMUNICATIONS)	X	X
*CITY OF BELLEVILLE (SANITARY SEWER)		X
*BUCKEYE PARTNERS L.P. - WOOD RIVER PIPELINE (PIPELINE)		X
*CHARTER COMMUNICATIONS, INC. (CABLE TV)	X	X
*CLEARWAVE COMMUNICATIONS (COMMUNICATIONS)	X	X
*ILLINOIS AMERICAN WATER COMPANY (WATER)		X
*METRO (COMMUNICATIONS)	X	X
*VILLAGE OF SWANSEA (SANITARY SEWER)		X

MEMBERS OF J.U.L.I.E. CALL TOLL FREE (800)892-0123 OR 811 AND ARE INDICATED BY *. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

- THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING, TOPOGRAPHY, AND QUANTITIES SHOWN IN THE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS. ALL SHALL BE ASSUMED TO BE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE PAVEMENT MARKING SHOWN IN THE PLANS IS APPROXIMATE. THE LOCATIONS OF THE PROPOSED PAVEMENT MARKING SHOULD MATCH EXISTING FIELD CONDITIONS WITH THE EXCEPTION OF AREAS WITH MEDIAN REMOVAL OR ADA IMPROVEMENTS.
- SHORT-TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED, LEVELING BINDER, AND FINAL BITUMINOUS SURFACE. ONLY THE REMOVAL OF THE FINAL SURFACE APPLICATION WILL BE PAID FOR (SHORT TERM PAVEMENT MARKING REMOVAL - SQ FT). A QUANTITY FOR TEMPORARY PAVEMENT MARKING EQUAL TO THE AMOUNT OF PERMANENT PAVEMENT MARKING HAS BEEN ADDED TO THE PLANS.
- MTD CAN OPERATE IN AN UNLOADED CONDITION ON SN 082-0091, SN 082-2030, AND SN 082-2434.
- THE THICKNESS OF THE BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE	POLY SURFACE	LEVEL BINDER	PATCHING	SHOULDERS ≥ 2.25"
AC/PG	SBS PG 76-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70	**2.0% @ Ndes=30
MIX COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL 9.5 FG	IL 19.0 FG	NMAS 3/4"
FRICION AGG	MIXTURE "D"	MIXTURE "C"	MIXTURE "B"	
QUALITY MGMT PROGRAM	QCP	QCP	QC/QA	QC/QA

**Top Lift Shoulders - Design this mix at 2% voids and add asphalt to reduce voids to 1.5%.

Plan quantities for Bituminous Concrete Surface Course Items are calculated using a unit weight of 112 lb/sq yd/in (59.8 kg/sq m/25 mm thickness).

- THE DEPARTMENT STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN, AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN, AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, TEC.), AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.
- ALL TRAFFIC CONTROL DEVICES SHALL BE NEW OR "LIKE NEW" CONDITION AT THE BEGINNING OF THE PROJECT.
- ALL AREAS DISTURBED FOR ANY REASON SHALL BE PERMANENTLY SEEDED AS DIRECTED BY THE ENGINEER. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTOR'S EXPENSE.
- THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF HIGHWAY LIGHTING AND/OR ITS UTILITIES WITHIN THE PROJECT LIMITS. IF HIGHWAY LIGHTING AND/OR ITS UTILITIES EXIST WITHIN THE PROJECT LIMITS, AND IF THESE ITEMS REQUIRE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDING TO SECTION 803 OF THE STANDARD SPECIFICATIONS. IF "LOCATING UNDERGROUND CABLE" IS NOT INCLUDED AS PART OF THE PLANS, THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED UNLESS APPROVED BY THE ENGINEER.
- IF ANY PART OF THE EXISTING GUARDRAIL NEEDS TO BE REMOVED FOR HMA REMOVAL OR RESURFACING ACTIVITIES, THAT COST SHALL BE CONSIDERED INCLUDED IN THE COST OF THAT OPERATION.
- THE CONTRACTOR SHALL BE AWARE THAT THERE ARE MANHOLES AND VALVES LOCATED WITHIN THE RESURFACING LIMITS. CARE SHALL BE TAKEN IN THESE LOCATIONS DURING MILLING OPERATIONS.
- THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AT ALL TIMES.
- ACCESS SHALL BE MAINTAINED TO ALL PROPERTIES UNLESS OTHERWISE NOTED IN THE PLANS.
- IF THE SURFACE REMOVAL ON THIS PROJECT PRODUCES A MILLED EDGE NEAR CENTERLINE GREATER THAN 1.5 INCHES BETWEEN ADJACENT OPEN LANES OF TRAFFIC, ONE OF THE FOLLOWING SHALL APPLY:
 - *THE CONTRACTOR SHALL ORGANIZE THE WORK TO AVOID THE MILLED EDGE.
 - *THE CONTRACTOR SHALL CONSTRUCT A TEMPORARY HOT-MIX ASPHALT WEDGE ALONG THE MILLED EDGE.
 - *THE CONTRACTOR SHALL CONSTRUCT A MILLED SLOPED EDGE (MINIMUM 1:3) ALONG THE MILLED EDGE.

THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST PER SQUARE YARD FOR HOT-MIX ASPHALT SURFACE REMOVAL OF THE DEPTH SPECIFIED.

- SIX CHANGEABLE MESSAGE BOARDS SHALL BE REQUIRED FOR THIS PROJECT. THEY SHALL BE PLACED TWO WEEKS PRIOR TO ANY LANE CLOSURE AT EACH END OF THE PROJECT AND AT THE INTERSECTIONS OF FRANK SCOTT PARKWAY AND IL 159. THE CHANGEABLE MESSAGE BOARDS SHALL BE PLACED AS DIRECTED BY THE ENGINEER.
- AN ESTIMATED QUANTITY OF 24,400 TONS OF CUTTINGS FROM THE HOT-MIX ASPHALT SURFACE REMOVAL OPERATION IS ANTICIPATED.

URBAN
80% FED
20% STATE

CONSTR. CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY
				0005 S.N.
60605500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (VARIABLE WIDTH GUTTER FLAG)	FOOT	142	142
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	2543	2543
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	140	140
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	87.5	87.5
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	1	1
63200310	GUARDRAIL REMOVAL	FOOT	382	382
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	2457	2457
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	32887	32887
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	15	15
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1
67100100	MOBILIZATION	LSUM	1	1
* 66900105	UNDERGROUND STORAGE TANK REMOVAL	EACH	1	1
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	LSUM	1	1
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	3	3
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	LSUM	1	1
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	LSUM	1	1
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	LSUM	1	1

* SPECIALTY ITEM

URBAN
80% FED
20% STATE

CONSTR. CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY
				0005 S.N.
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	LSUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	25	25
70300100	SHORT TERM PAVEMENT MARKING	FOOT	24396	24396
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2711	2711
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	1872	1872
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	100902	100902
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	1119	1119
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1107	1107
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	493	493
* 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	6	6
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	1	1
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1872	1872

URBAN
80% FED
20% STATE

CONSTR. CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	
				0005	S.N.
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	100902	100902	
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1119	1119	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1107	1107	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	493	493	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1055	1055	
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	4	4	
* 78200020	CURB REFLECTORS	EACH	508	508	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1055	1055	
* 80300100	LOCATING UNDERGROUND CABLE	FOOT	401	401	
* 81026320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	151	151	
* 81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	3	3	
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1528	1528	
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	278	278	
* 87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1	1	

* SPECIALTY ITEM

URBAN
80% FED
20% STATE

CONSTR. CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	
				0005	S.N.
* 87600100	PEDESTRIAN PUSH-BUTTON POST, TYPE I	EACH	7	7	
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3	3	
* 87900100	DRILL EXISTING FOUNDATION	EACH	3	3	
* 87900200	DRILL EXISTING HANDHOLE	EACH	5	5	
* 88102718	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, POST MOUNTED	EACH	1	1	
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	8786	8786	
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	23	23	
* 89502200	MODIFY EXISTING CONTROLLER	EACH	3	3	
* 89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	3	3	
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1495	1495	
* 89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	23569	23569	
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	20	20	
89502380	REMOVE EXISTING HANDHOLE	EACH	3	3	
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	918	918	

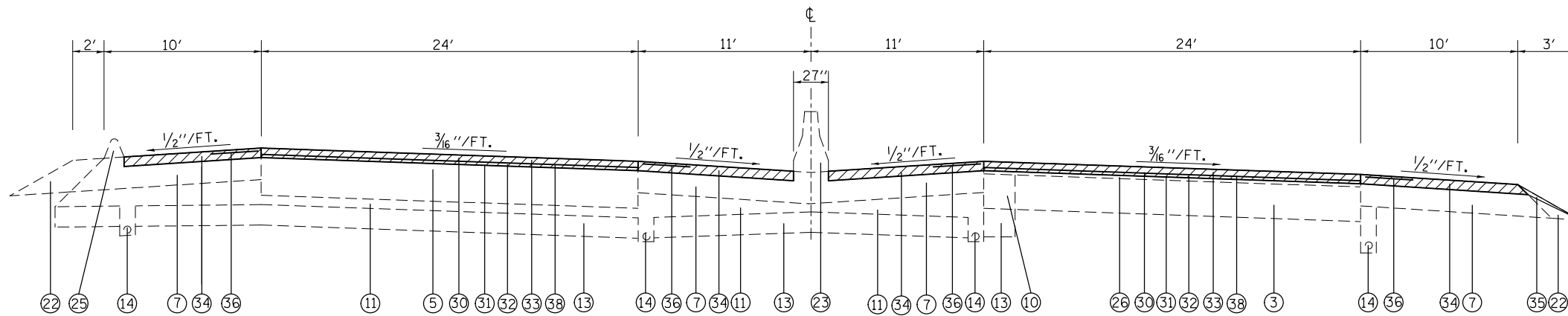
URBAN
80% FED
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				ROADWAY 0005 S.N.
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	3614	3614
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	84	84
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	39113	39113
* X7800100	PAINT PAVEMENT MARKING - RAISED MEDIAN	SQ FT	558	558
* X7800200	PAINT PAVEMENT MARKING CURB	FOOT	1692	1692
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	167310	167310
∅ Z0076600	TRAINEES	HOUR	1500	1500
Z0034105	MATERIAL TRANSFER DEVICE	TON	19561	19561
∅ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1500	1500
Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	15	15

* SPECIALTY ITEM

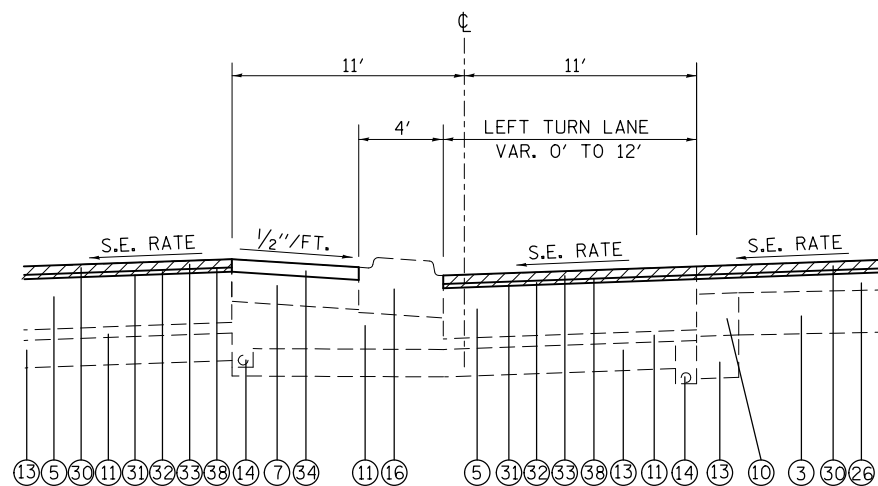
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FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBID\INTEG.illinois.gov\FWIDOT\Documents\DOT Offices\District 8\Projects\087	PROJECT DATA\LEAD\sheet\087645-sh-500.dwg	CHECKED -	REVISED -		805	146RS-4,122RS-2	ST. CLAIR	74	7				
PLOT SCALE = 1/8" = 100.0000' / in.	DATE -	CHECKED -	REVISED -		CONTRACT NO. 76H45								
PLOT DATE = 1/11/2018	DATE -	CHECKED -	REVISED -		SCALE:	SHEET NO. 4 OF 4 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



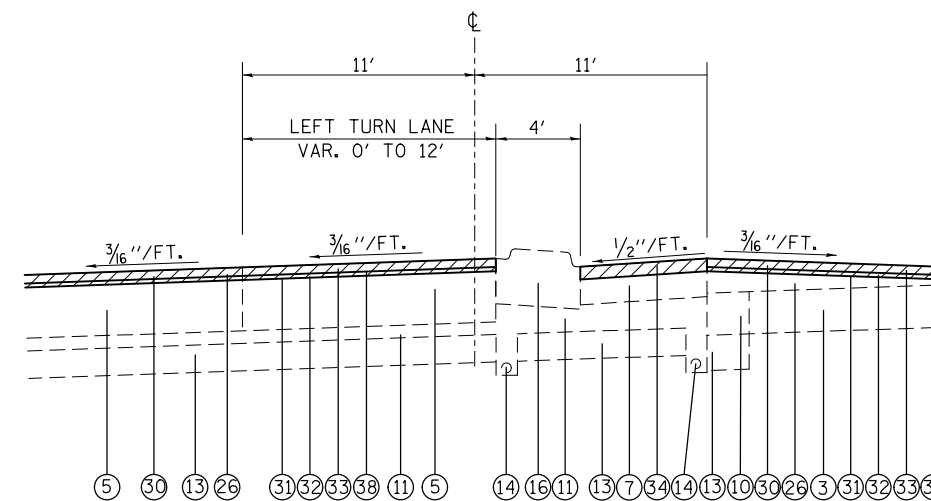
TYPICAL SECTION (IL 161)

STA. 113+50.00 (W.B.) TO STA. 119+89.51
 STA. 113+00.00 (E.B.) TO STA. 119+89.51
 STA. 122+14.99 TO STA. 143+96.68



LEFT TURN LANE DETAIL

STA. 123+55.39 TO STA. 127+90.39



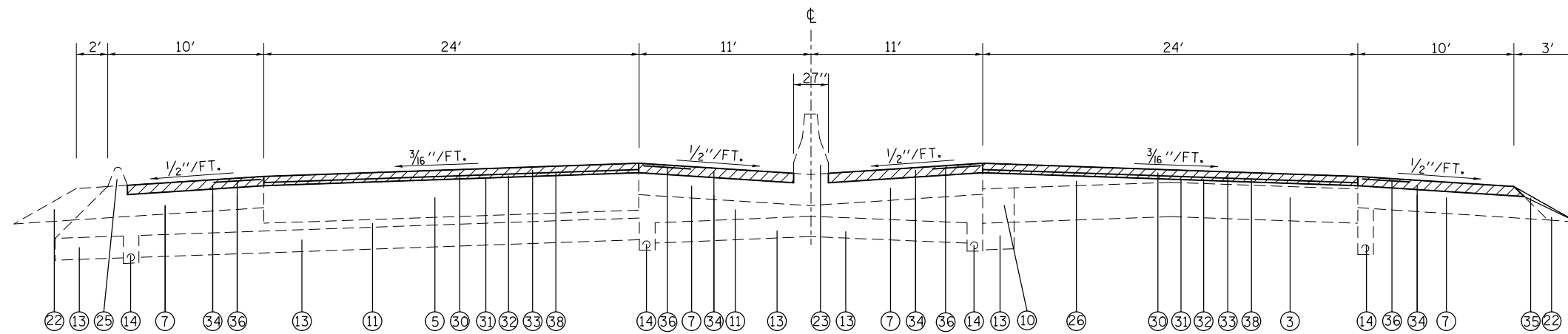
LEFT TURN LANE DETAIL

STA. 128+88.11 TO STA. 133+23.11

LEGEND

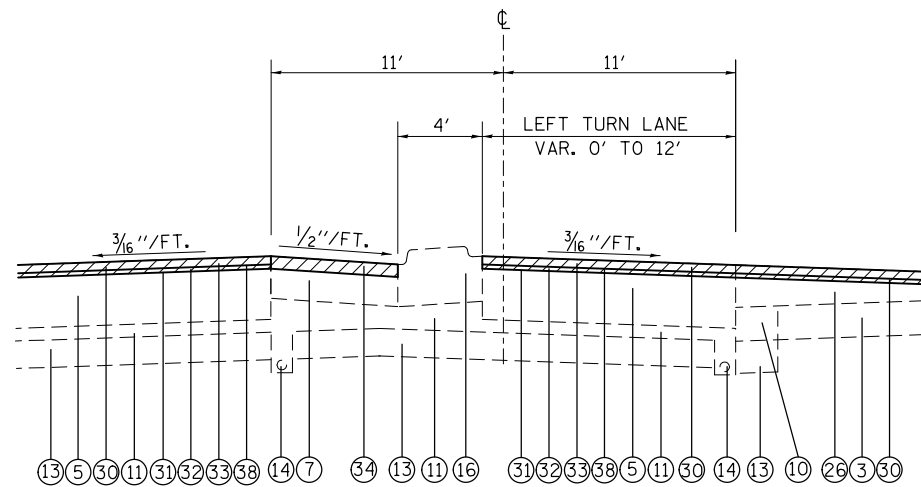
- | | | |
|---|--|---|
| <ul style="list-style-type: none"> ① OMIT ② EXISTING PCC BASE COURSE, 8" ③ EXISTING PCC PAVEMENT, 9" ④ EXISTING PCC PAVEMENT, 10" ⑤ EXISTING HMA PAVEMENT, 14" ⑥ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 4" ⑦ EXISTING HMA SHOULDERS, 8" ⑧ EXISTING HMA SHOULDERS, 12" ⑨ OMIT ⑩ EXISTING BASE COURSE WIDENING, 11" ⑪ EXISTING ASPHALT TREATED OPEN-GRADED DRAINAGE LAYER ⑫ EXISTING SEPERATION, 2 1/2" ⑬ EXISTING LIME MODIFIED SOIL, 12" ⑭ EXISTING PIPE UNDERDRAINS, 4" ⑮ EXISTING COMPACTED SAND | <ul style="list-style-type: none"> ⑯ EXISTING CONCRETE MEDIAN, TYPE SM-4.06 ⑰ EXISTING CONCRETE MEDIAN SURFACE ⑱ EXISTING CONCRETE MEDIAN SB 6.12 ⑲ EXISTING CORRUGATED MEDIAN ⑳ EXISTING COMBINATION CURB AND GUTTER, TYPE B 6.12 ㉑ EXISTING COMBINATION CURB AND GUTTER, TYPE B 6.24 ㉒ EXISTING AGGREGATE SHOULDERS ㉓ EXISTING CONCRETE BARRIER ㉔ EXISTING CONCRETE SIDEWALK, 4" ㉕ EXISTING HMA CURB ㉖ EXISTING HMA RESURFACING, 3" & VARIES ㉗ EXISTING HMA RESURFACING, VARIES 2 1/2" TO 4 3/4" ㉘ EXISTING HMA RESURFACING, 5 1/2" ㉙ EXISTING HMA RESURFACING, 6" ㉚ PROPOSED HMA SURFACE REMOVAL 2 1/4" | <ul style="list-style-type: none"> ㉛ PROPOSED BITUMINOUS MATERIALS (TACK COAT) ㉜ PROPOSED LEVELING BINDER (MM), IL-9.5 FG, N70, 3/4" ㉝ PROPOSED POLYMER HMA SURFACE COURSE, MIX D, N70 1 1/2" ㉞ PROPOSED HMA SHOULDERS, 2 1/4" ㉟ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B ㊱ PROPOSED SHOULDER RUMBLE STRIPS, 16" ㊲ PROPOSED SHOULDER RUMBLE STRIPS, 8" ㊳ PROPOSED POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) |
|---|--|---|

FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.P. RTE. 805	SECTION 146RS-4,122RS-2	COUNTY ST. CLAIR	TOTAL SHEETS 74	SHEET NO. 8
PLOT SCALE = 1/8" = 100.0000' / 1in. PLOT DATE = 1/11/2018						CONTRACT NO. 76H45		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		



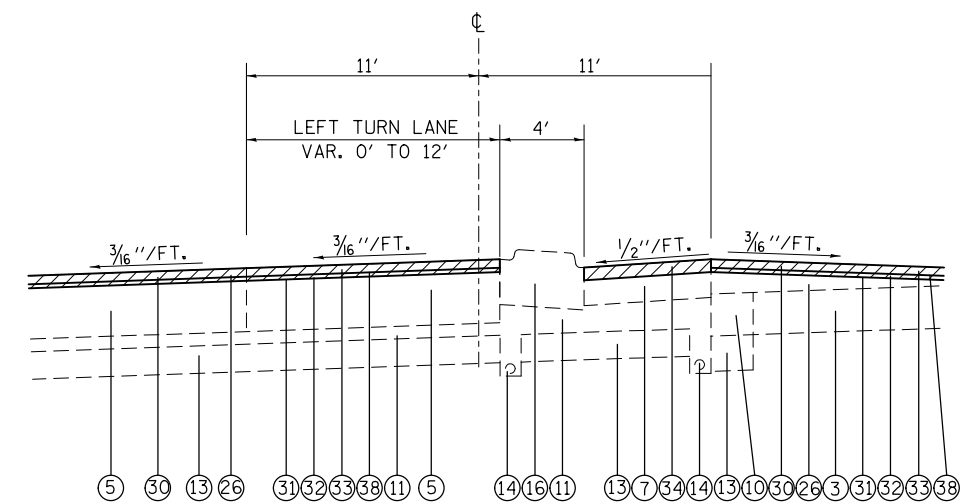
TYPICAL SECTION (IL 161)

STA. 119+89.52 TO STA. 122+14.99
 STA. 143+96.68 TO STA. 158+80.76



LEFT TURN LANE DETAIL

STA. 148+89.66 TO STA. 153+24.66



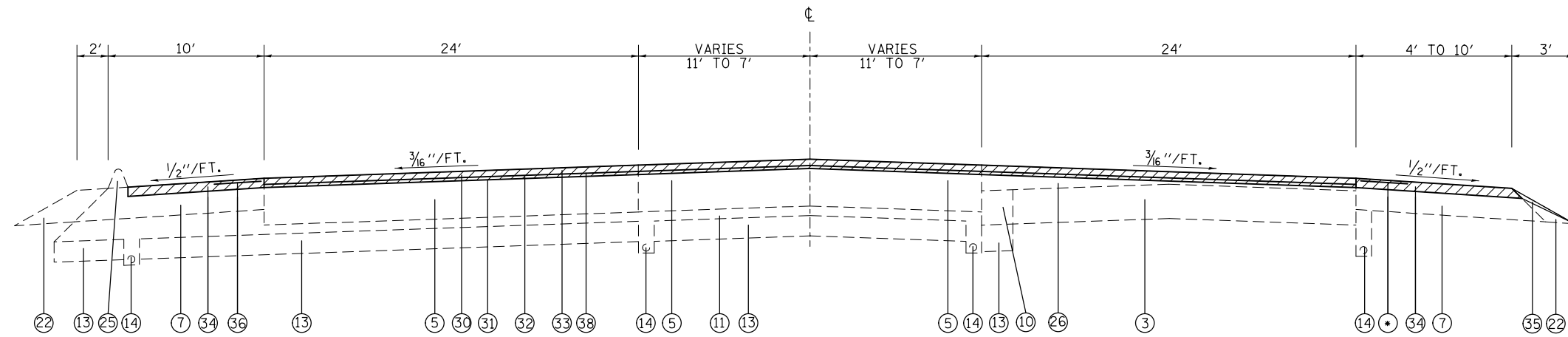
LEFT TURN LANE DETAIL

STA. 154+45.76 TO STA. 158+80.76

LEGEND

- | | | |
|---|--|---|
| <ul style="list-style-type: none"> ① OMIT ② EXISTING PCC BASE COURSE, 8" ③ EXISTING PCC PAVEMENT, 9" ④ EXISTING PCC PAVEMENT, 10" ⑤ EXISTING HMA PAVEMENT, 14" ⑥ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 4" ⑦ EXISTING HMA SHOULDERS, 8" ⑧ EXISTING HMA SHOULDERS, 12" ⑨ OMIT ⑩ EXISTING BASE COURSE WIDENING, 11" ⑪ EXISTING ASPHALT TREATED OPEN-GRADED DRAINAGE LAYER ⑫ EXISTING SEPERATION, 2 1/2" ⑬ EXISTING LIME MODIFIED SOIL, 12" ⑭ EXISTING PIPE UNDERDRAINS, 4" ⑮ EXISTING COMPACTED SAND | <ul style="list-style-type: none"> ⑯ EXISTING CONCRETE MEDIAN, TYPE SM-4.06 ⑰ EXISTING CONCRETE MEDIAN SURFACE ⑱ EXISTING CONCRETE MEDIAN SB 6.12 ⑲ EXISTING CORRUGATED MEDIAN ⑳ EXISTING COMBINATION CURB AND GUTTER, TYPE B 6.12 ㉑ EXISTING COMBINATION CURB AND GUTTER, TYPE B 6.24 ㉒ EXISTING AGGREGATE SHOULDERS ㉓ EXISTING CONCRETE BARRIER ㉔ EXISTING CONCRETE SIDEWALK, 4" ㉕ EXISTING HMA CURB ㉖ EXISTING HMA RESURFACING, 3" & VARIES ㉗ EXISTING HMA RESURFACING, VARIES 2 1/2" TO 4 3/4" ㉘ EXISTING HMA RESURFACING, 5 1/2" ㉙ EXISTING HMA RESURFACING, 6" ㉚ PROPOSED HMA SURFACE REMOVAL 2 1/4" | <ul style="list-style-type: none"> ㉛ PROPOSED BITUMINOUS MATERIALS (TACK COAT) ㉜ PROPOSED LEVELING BINDER (MM), IL-9.5 FG, N70, 3/4" ㉝ PROPOSED POLYMER HMA SURFACE COURSE, MIX D, N70 1 1/2" ㉞ PROPOSED HMA SHOULDERS, 2 1/4" ㉟ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B ㊱ PROPOSED SHOULDER RUMBLE STRIPS, 16" ㊲ PROPOSED SHOULDER RUMBLE STRIPS, 8" ㊳ PROPOSED POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) |
|---|--|---|

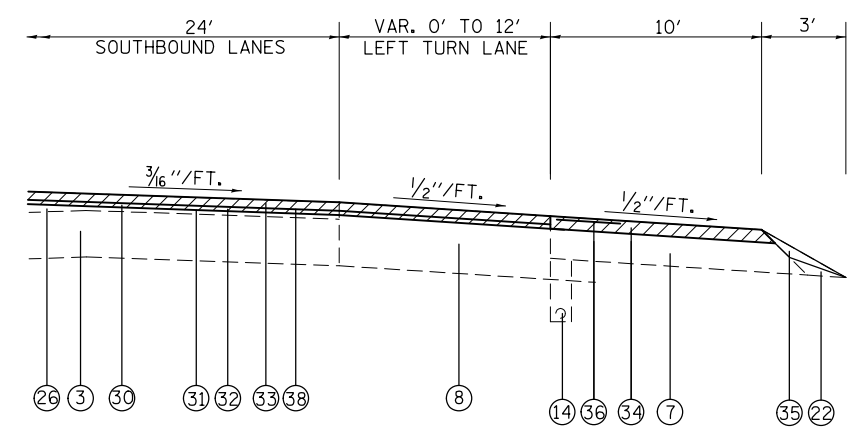
FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 8\Projects\0875\Drawings\084EBIDINTEG.dwg		CHECKED -	REVISED -		SCALE:	SHEET NO. 2 OF 11 SHEETS	STA.	TO STA.	805	146RS-4,122RS-2	ST. CLAIR	74	9
		DATE -	REVISED -					CONTRACT NO. 76H45					
								FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



TYPICAL SECTION (IL 161)

STA. 158+80.76 TO STA. 162+40.76 (MEDIAN VARIES 22' TO 14')
 STA. 162+40.76 TO STA. 166+00 (MEDIAN 14')
 STA. 216+00 TO STA. 240+72.67
 STA. 251+04.52 TO STA. 267+91.26

• 36 ON 10' SHOULDER
 37 ON 4' SHOULDER

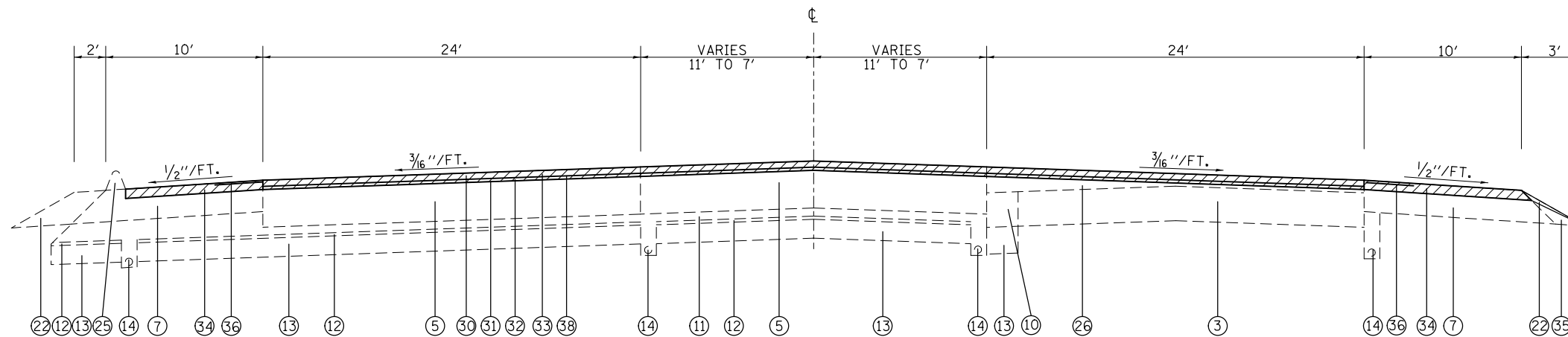


RIGHT TURN LANE DETAIL

STA. 216+33.41 TO STA. 219+24.03

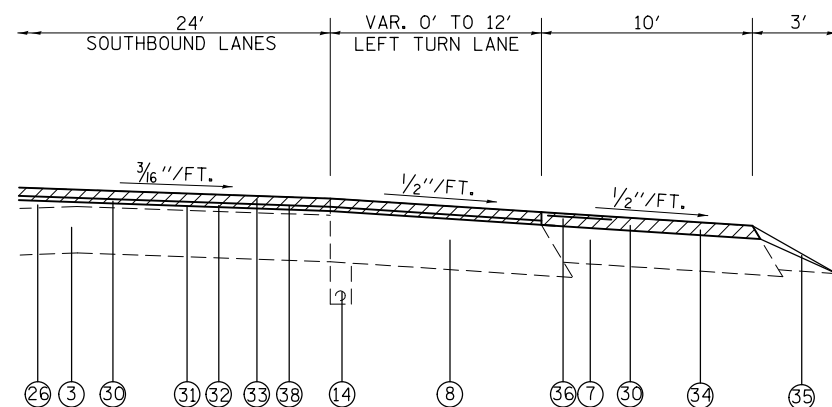
LEGEND

- | | | |
|--|--|---|
| 1 OMIT | 16 EXISTING CONCRETE MEDIAN, TYPE SM-4.06 | 31 PROPOSED BITUMINOUS MATERIALS (TACK COAT) |
| 2 EXISTING PCC BASE COURSE, 8" | 17 EXISTING CONCRETE MEDIAN SURFACE | 32 PROPOSED LEVELING BINDER (MM), IL-9.5 FG, N70, 3/4" |
| 3 EXISTING PCC PAVEMENT, 9" | 18 EXISTING CONCRETE MEDIAN SB 6.12 | 33 PROPOSED POLYMER HMA SURFACE COURSE, MIX D, N70 1 1/2" |
| 4 EXISTING PCC PAVEMENT, 10" | 19 EXISTING CORRUGATED MEDIAN | 34 PROPOSED HMA SHOULDERS, 2 1/4" |
| 5 EXISTING HMA PAVEMENT, 14" | 20 EXISTING COMBINATION CURB AND GUTTER, TYPE B 6.12 | 35 PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B |
| 6 EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 4" | 21 EXISTING COMBINATION CURB AND GUTTER, TYPE B 6.24 | 36 PROPOSED SHOULDER RUMBLE STRIPS, 16" |
| 7 EXISTING HMA SHOULDERS, 8" | 22 EXISTING AGGREGATE SHOULDERS | 37 PROPOSED SHOULDER RUMBLE STRIPS, 8" |
| 8 EXISTING HMA SHOULDERS, 12" | 23 EXISTING CONCRETE BARRIER | 38 PROPOSED POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) |
| 9 OMIT | 24 EXISTING CONCRETE SIDEWALK, 4" | |
| 10 EXISTING BASE COURSE WIDENING, 11" | 25 EXISTING HMA CURB | |
| 11 EXISTING ASPHALT TREATED OPEN-GRADED DRAINAGE LAYER | 26 EXISTING HMA RESURFACING, 3" & VARIES | |
| 12 EXISTING SEPERATION, 2 1/2" | 27 EXISTING HMA RESURFACING, VARIES 2 1/2" TO 4 3/4" | |
| 13 EXISTING LIME MODIFIED SOIL, 12" | 28 EXISTING HMA RESURFACING, 5 1/2" | |
| 14 EXISTING PIPE UNDERDRAINS, 4" | 29 EXISTING HMA RESURFACING, 6" | |
| 15 EXISTING COMPACTED SAND | 30 PROPOSED HMA SURFACE REMOVAL 2 1/4" | |



TYPICAL SECTION (IL 161)

STA. 166+00.00 TO STA. 166+38.27 (MEDIAN 14')
 STA. 183+72.28 TO STA. 192+52.54
 STA. 208+72.32 TO STA. 216+00.00



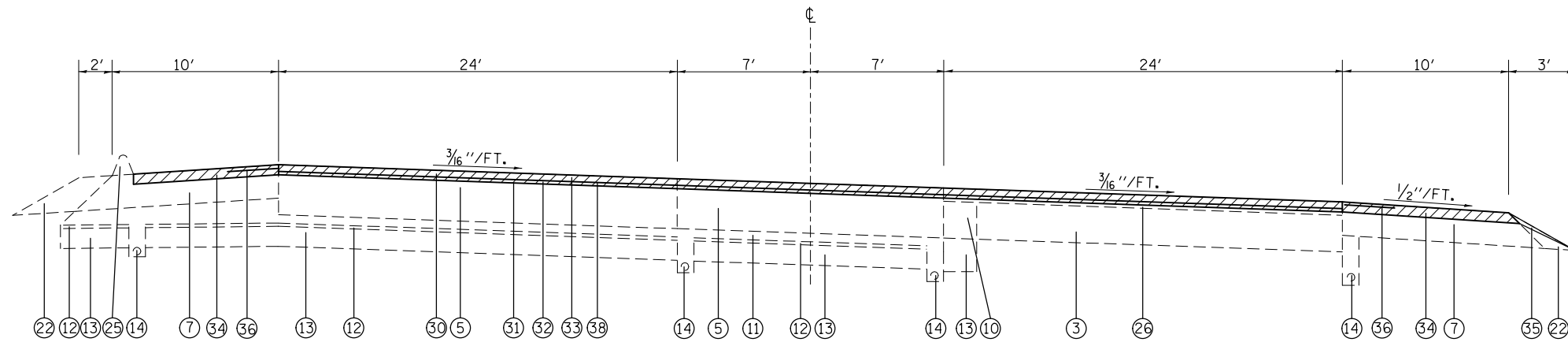
RIGHT TURN LANE DETAIL

STA. 186+51.00 TO STA. 189+84.82

LEGEND

- | | | |
|---|--|---|
| <ul style="list-style-type: none"> ① OMIT ② EXISTING PCC BASE COURSE, 8" ③ EXISTING PCC PAVEMENT, 9" ④ EXISTING PCC PAVEMENT, 10" ⑤ EXISTING HMA PAVEMENT, 14" ⑥ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 4" ⑦ EXISTING HMA SHOULDERS, 8" ⑧ EXISTING HMA SHOULDERS, 12" ⑨ OMIT ⑩ EXISTING BASE COURSE WIDENING, 11" ⑪ EXISTING ASPHALT TREATED OPEN-GRADED DRAINAGE LAYER ⑫ EXISTING SEPERATION, 2 1/2" ⑬ EXISTING LIME MODIFIED SOIL, 12" ⑭ EXISTING PIPE UNDERDRAINS, 4" ⑮ EXISTING COMPACTED SAND | <ul style="list-style-type: none"> ⑯ EXISTING CONCRETE MEDIAN, TYPE SM-4.06 ⑰ EXISTING CONCRETE MEDIAN SURFACE ⑱ EXISTING CONCRETE MEDIAN SB 6.12 ⑲ EXISTING CORRUGATED MEDIAN ⑳ EXISTING COMBINATION CURB AND GUTTER, TYPE B 6.12 ㉑ EXISTING COMBINATION CURB AND GUTTER, TYPE B 6.24 ㉒ EXISTING AGGREGATE SHOULDERS ㉓ EXISTING CONCRETE BARRIER ㉔ EXISTING CONCRETE SIDEWALK, 4" ㉕ EXISTING HMA CURB ㉖ EXISTING HMA RESURFACING, 3" & VARIES ㉗ EXISTING HMA RESURFACING, VARIES 2 1/2" TO 4 3/4" ㉘ EXISTING HMA RESURFACING, 5 1/2" ㉙ EXISTING HMA RESURFACING, 6" ㉚ PROPOSED HMA SURFACE REMOVAL 2 1/4" | <ul style="list-style-type: none"> ㉛ PROPOSED BITUMINOUS MATERIALS (TACK COAT) ㉜ PROPOSED LEVELING BINDER (MM), IL-9.5 FG, N70, 3/4" ㉝ PROPOSED POLYMER HMA SURFACE COURSE, MIX D, N70 1 1/2" ㉞ PROPOSED HMA SHOULDERS, 2 1/4" ㉟ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B ㊱ PROPOSED SHOULDER RUMBLE STRIPS, 16" ㊲ PROPOSED SHOULDER RUMBLE STRIPS, 8" ㊳ PROPOSED POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) |
|---|--|---|

FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 8\Projects\0875\Drawings\EA0\Sheets\d876h45-sht-typoc	DESIGNED -	REVISED -	REVISED -		805	146RS-4,122RS-2	ST. CLAIR	74	11			
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	REVISED -		CONTRACT NO. 76H45			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
PLOT DATE = 1/11/2018	DATE -	REVISED -	REVISED -	SCALE:	SHEET NO. 4 OF 11 SHEETS	STA.	TO STA.					



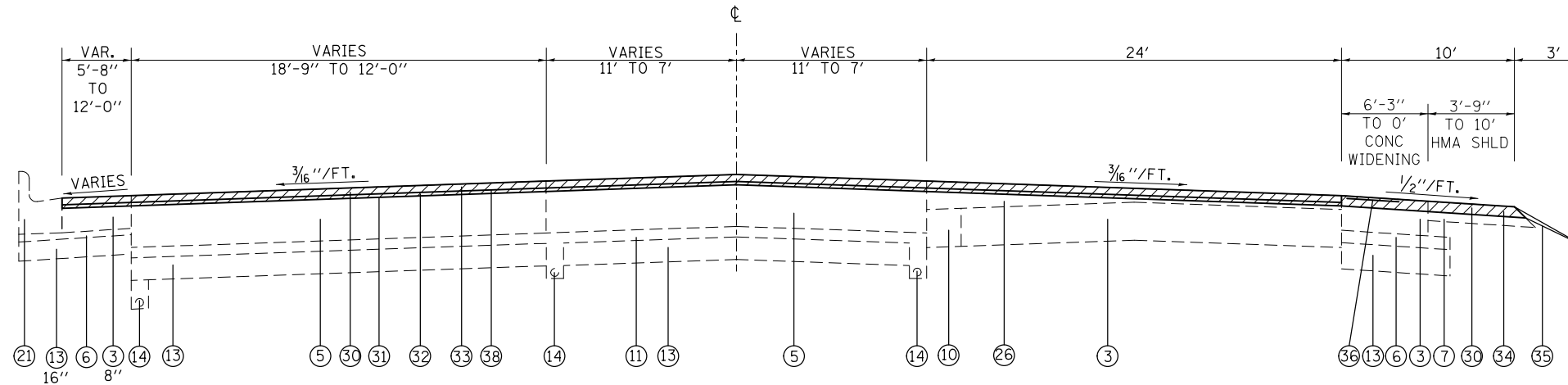
TYPICAL SECTION (IL 161)

STA. 166+38.27 TO STA. 183+72.28
 STA. 196+66.89 TO STA. 208+72.32

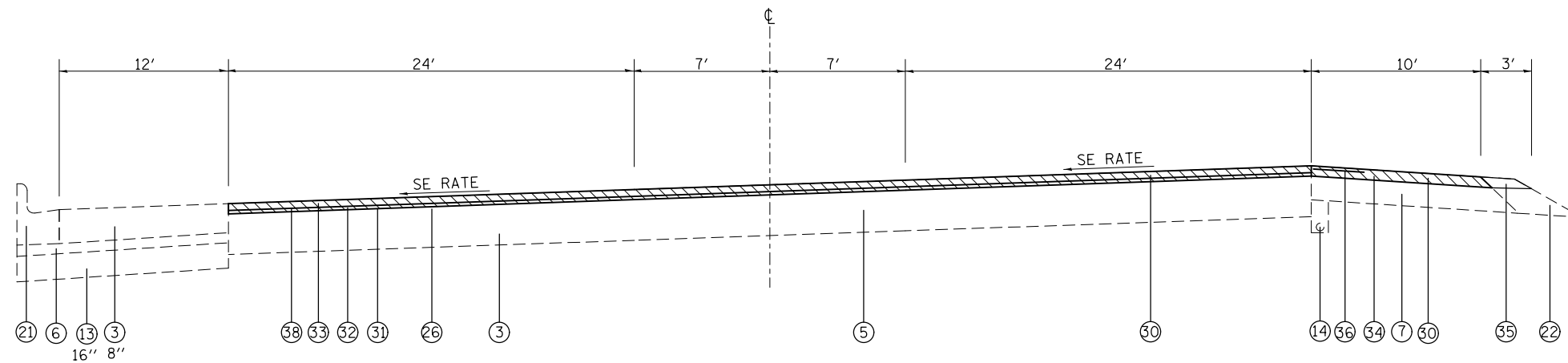
LEGEND

- ① OMIT
- ② EXISTING PCC BASE COURSE, 8"
- ③ EXISTING PCC PAVEMENT, 9"
- ④ EXISTING PCC PAVEMENT, 10"
- ⑤ EXISTING HMA PAVEMENT, 14"
- ⑥ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 4"
- ⑦ EXISTING HMA SHOULDERS, 8"
- ⑧ EXISTING HMA SHOULDERS, 12"
- ⑨ OMIT
- ⑩ EXISTING BASE COURSE WIDENING, 11"
- ⑪ EXISTING ASPHALT TREATED OPEN-GRADED DRAINAGE LAYER
- ⑫ EXISTING SEPERATION, 2 1/2"
- ⑬ EXISTING LIME MODIFIED SOIL, 12"
- ⑭ EXISTING PIPE UNDERDRAINS, 4"
- ⑮ EXISTING COMPACTED SAND
- ⑯ EXISTING CONCRETE MEDIAN, TYPE SM-4.06
- ⑰ EXISTING CONCRETE MEDIAN SURFACE
- ⑱ EXISTING CONCRETE MEDIAN SB 6.12
- ⑲ EXISTING CORRUGATED MEDIAN
- ⑳ EXISTING COMBINATION CURB AND GUTTER, TYPE B 6.12
- ㉑ EXISTING COMBINATION CURB AND GUTTER, TYPE B 6.24
- ㉒ EXISTING AGGREGATE SHOULDERS
- ㉓ EXISTING CONCRETE BARRIER
- ㉔ EXISTING CONCRETE SIDEWALK, 4"
- ㉕ EXISTING HMA CURB
- ㉖ EXISTING HMA RESURFACING, 3" & VARIES
- ㉗ EXISTING HMA RESURFACING, VARIES 2 1/2" TO 4 3/4"
- ㉘ EXISTING HMA RESURFACING, 5 1/2"
- ㉙ EXISTING HMA RESURFACING, 6"
- ㉚ PROPOSED HMA SURFACE REMOVAL 2 1/4"
- ㉛ PROPOSED BITUMINOUS MATERIALS (TACK COAT)
- ㉜ PROPOSED LEVELING BINDER (MM), IL-9.5 FG, N70, 3/4"
- ㉝ PROPOSED POLYMER HMA SURFACE COURSE, MIX D, N70 1 1/2"
- ㉞ PROPOSED HMA SHOULDERS, 2 1/4"
- ㉟ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ㊱ PROPOSED SHOULDER RUMBLE STRIPS, 16"
- ㊲ PROPOSED SHOULDER RUMBLE STRIPS, 8"
- ㊳ PROPOSED POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)

FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 8\Projects\0875\Drawings\EA0\Sheets\d876h45-sht-typosec.dwg					SCALE:	SHEET NO. 5 OF 11 SHEETS	STA.	TO STA.	805	146RS-4,122RS-2	ST. CLAIR	74	12
					CONTRACT NO. 76H45								
					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								



TYPICAL SECTION (IL 161)
STA. 192+52.54 TO STA. 193+45.70

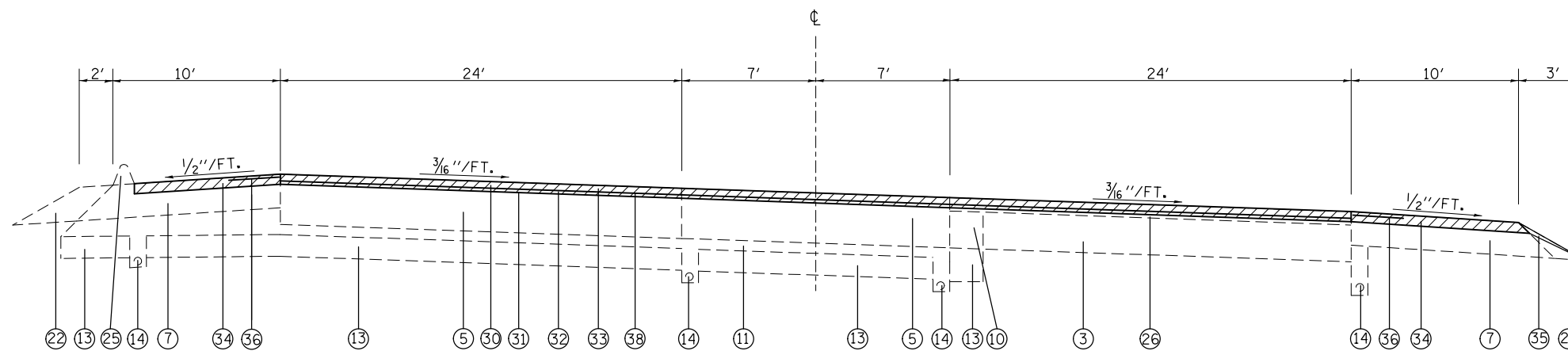


TYPICAL SECTION (IL 161)
STA. 193+45.70 TO STA. 196+66.89

LEGEND

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|---|--|---|
| <ul style="list-style-type: none"> ① OMIT ② EXISTING PCC BASE COURSE, 8" ③ EXISTING PCC PAVEMENT, 9" ④ EXISTING PCC PAVEMENT, 10" ⑤ EXISTING HMA PAVEMENT, 14" ⑥ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 4" ⑦ EXISTING HMA SHOULDERS, 8" ⑧ EXISTING HMA SHOULDERS, 12" ⑨ OMIT ⑩ EXISTING BASE COURSE WIDENING, 11" ⑪ EXISTING ASPHALT TREATED OPEN-GRADED DRAINAGE LAYER ⑫ EXISTING SEPERATION, 2 1/2" ⑬ EXISTING LIME MODIFIED SOIL, 12" ⑭ EXISTING PIPE UNDERDRAINS, 4" ⑮ EXISTING COMPACTED SAND | <ul style="list-style-type: none"> ⑯ EXISTING CONCRETE MEDIAN, TYPE SM-4.06 ⑰ EXISTING CONCRETE MEDIAN SURFACE ⑱ EXISTING CONCRETE MEDIAN SB 6.12 ⑲ EXISTING CORRUGATED MEDIAN ⑳ EXISTING COMBINATION CURB AND GUTTER, TYPE B 6.12 ㉑ EXISTING COMBINATION CURB AND GUTTER, TYPE B 6.24 ㉒ EXISTING AGGREGATE SHOULDERS ㉓ EXISTING CONCRETE BARRIER ㉔ EXISTING CONCRETE SIDEWALK, 4" ㉕ EXISTING HMA CURB ㉖ EXISTING HMA RESURFACING, 3" & VARIES ㉗ EXISTING HMA RESURFACING, VARIES 2 1/2" TO 4 3/4" ㉘ EXISTING HMA RESURFACING, 5 1/2" ㉙ EXISTING HMA RESURFACING, 6" ㉚ PROPOSED HMA SURFACE REMOVAL 2 1/4" | <ul style="list-style-type: none"> ㉛ PROPOSED BITUMINOUS MATERIALS (TACK COAT) ㉜ PROPOSED LEVELING BINDER (MM), IL-9.5 FG, N70, 3/4" ㉝ PROPOSED POLYMER HMA SURFACE COURSE, MIX D, N70 1 1/2" ㉞ PROPOSED HMA SHOULDERS, 2 1/4" ㉟ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B ㊱ PROPOSED SHOULDER RUMBLE STRIPS, 16" ㊲ PROPOSED SHOULDER RUMBLE STRIPS, 8" ㊳ PROPOSED POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) |
|---|--|---|

FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 1/8" = 100.0000' / 1in.					SCALE:	SHEET NO. 6 OF 11 SHEETS	STA.	TO STA.	CONTRACT NO. 76H45			
PLOT DATE = 1/11/2018					DATE	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						

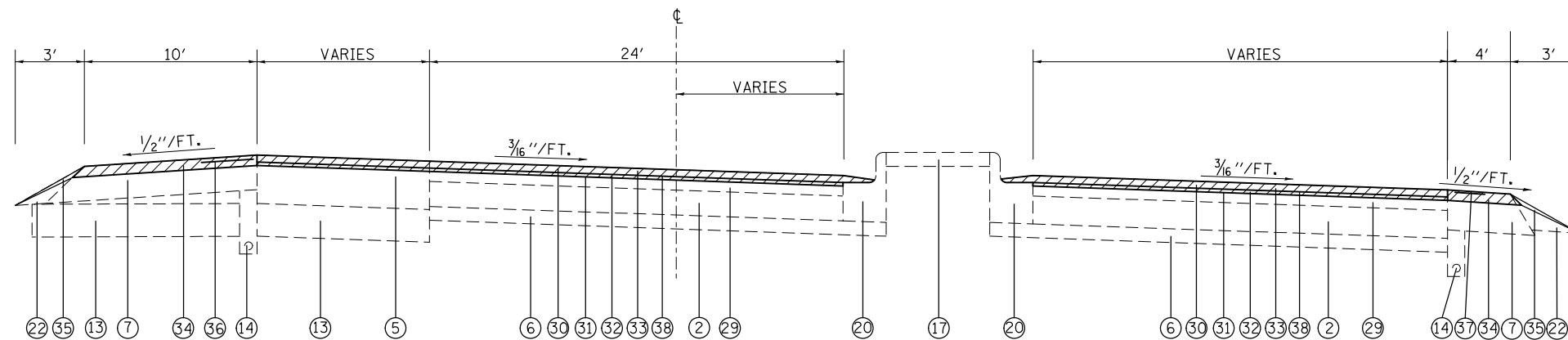


TYPICAL SECTION (IL 161)
 STA. 240+72.67 TO STA. 251+04.52

LEGEND

- | | | |
|---|--|---|
| <ul style="list-style-type: none"> ① OMIT ② EXISTING PCC BASE COURSE, 8" ③ EXISTING PCC PAVEMENT, 9" ④ EXISTING PCC PAVEMENT, 10" ⑤ EXISTING HMA PAVEMENT, 14" ⑥ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 4" ⑦ EXISTING HMA SHOULDERS, 8" ⑧ EXISTING HMA SHOULDERS, 12" ⑨ OMIT ⑩ EXISTING BASE COURSE WIDENING, 11" ⑪ EXISTING ASPHALT TREATED OPEN-GRADED DRAINAGE LAYER ⑫ EXISTING SEPERATION, 2 1/2" ⑬ EXISTING LIME MODIFIED SOIL, 12" ⑭ EXISTING PIPE UNDERDRAINS, 4" ⑮ EXISTING COMPACTED SAND | <ul style="list-style-type: none"> ⑯ EXISTING CONCRETE MEDIAN, TYPE SM-4.06 ⑰ EXISTING CONCRETE MEDIAN SURFACE ⑱ EXISTING CONCRETE MEDIAN SB 6.12 ⑲ EXISTING CORRUGATED MEDIAN ⑳ EXISTING COMBINATION CURB AND GUTTER, TYPE B 6.12 ㉑ EXISTING COMBINATION CURB AND GUTTER, TYPE B 6.24 ㉒ EXISTING AGGREGATE SHOULDERS ㉓ EXISTING CONCRETE BARRIER ㉔ EXISTING CONCRETE SIDEWALK, 4" ㉕ EXISTING HMA CURB ㉖ EXISTING HMA RESURFACING, 3" & VARIES ㉗ EXISTING HMA RESURFACING, VARIES 2 1/2" TO 4 3/4" ㉘ EXISTING HMA RESURFACING, 5 1/2" ㉙ EXISTING HMA RESURFACING, 6" ㉚ PROPOSED HMA SURFACE REMOVAL 2 1/4" | <ul style="list-style-type: none"> ㉛ PROPOSED BITUMINOUS MATERIALS (TACK COAT) ㉜ PROPOSED LEVELING BINDER (MM), IL-9.5 FG, N70, 3/4" ㉝ PROPOSED POLYMER HMA SURFACE COURSE, MIX D, N70 1 1/2" ㉞ PROPOSED HMA SHOULDERS, 2 1/4" ㉟ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B ㊱ PROPOSED SHOULDER RUMBLE STRIPS, 16" ㊲ PROPOSED SHOULDER RUMBLE STRIPS, 8" ㊳ PROPOSED POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) |
|---|--|---|

FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 8\Projects\0875\DRAWING\084EBIDINTEG.d875-sht-typosec.dwg					SCALE:	SHEET NO. 7 OF 11 SHEETS	STA.	TO STA.	805	146RS-4,122RS-2	ST. CLAIR	74	14
					CONTRACT NO. 76H45								
					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								



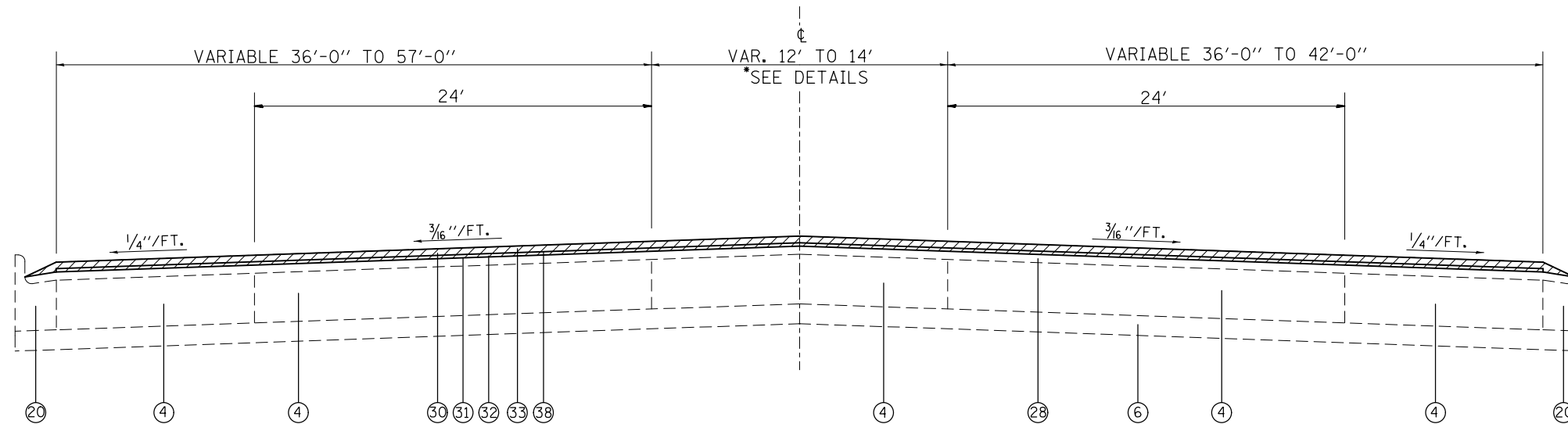
TYPICAL SECTION (IL 161)

STA. 267+91.26 TO STA. 273+65.76

LEGEND

- | | | |
|---|--|---|
| <ul style="list-style-type: none"> ① OMIT ② EXISTING PCC BASE COURSE, 8" ③ EXISTING PCC PAVEMENT, 9" ④ EXISTING PCC PAVEMENT, 10" ⑤ EXISTING HMA PAVEMENT, 14" ⑥ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 4" ⑦ EXISTING HMA SHOULDERS, 8" ⑧ EXISTING HMA SHOULDERS, 12" ⑨ OMIT ⑩ EXISTING BASE COURSE WIDENING, 11" ⑪ EXISTING ASPHALT TREATED OPEN-GRADED DRAINAGE LAYER ⑫ EXISTING SEPERATION, 2 1/2" ⑬ EXISTING LIME MODIFIED SOIL, 12" ⑭ EXISTING PIPE UNDERDRAINS, 4" ⑮ EXISTING COMPACTED SAND | <ul style="list-style-type: none"> ⑯ EXISTING CONCRETE MEDIAN, TYPE SM-4.06 ⑰ EXISTING CONCRETE MEDIAN SURFACE ⑱ EXISTING CONCRETE MEDIAN SB 6.12 ⑲ EXISTING CORRUGATED MEDIAN ⑳ EXISTING COMBINATION CURB AND GUTTER, TYPE B 6.12 ㉑ EXISTING COMBINATION CURB AND GUTTER, TYPE B 6.24 ㉒ EXISTING AGGREGATE SHOULDERS ㉓ EXISTING CONCRETE BARRIER ㉔ EXISTING CONCRETE SIDEWALK, 4" ㉕ EXISTING HMA CURB ㉖ EXISTING HMA RESURFACING, 3" & VARIES ㉗ EXISTING HMA RESURFACING, VARIES 2 1/2" TO 4 3/4" ㉘ EXISTING HMA RESURFACING, 5 1/2" ㉙ EXISTING HMA RESURFACING, 6" ㉚ PROPOSED HMA SURFACE REMOVAL 2 1/4" | <ul style="list-style-type: none"> ㉛ PROPOSED BITUMINOUS MATERIALS (TACK COAT) ㉜ PROPOSED LEVELING BINDER (MM), IL-9.5 FG, N70, 3/4" ㉝ PROPOSED POLYMER HMA SURFACE COURSE, MIX D, N70 1 1/2" ㉞ PROPOSED HMA SHOULDERS, 2 1/4" ㉟ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B ㊱ PROPOSED SHOULDER RUMBLE STRIPS, 16" ㊲ PROPOSED SHOULDER RUMBLE STRIPS, 8" ㊳ PROPOSED POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) |
|---|--|---|

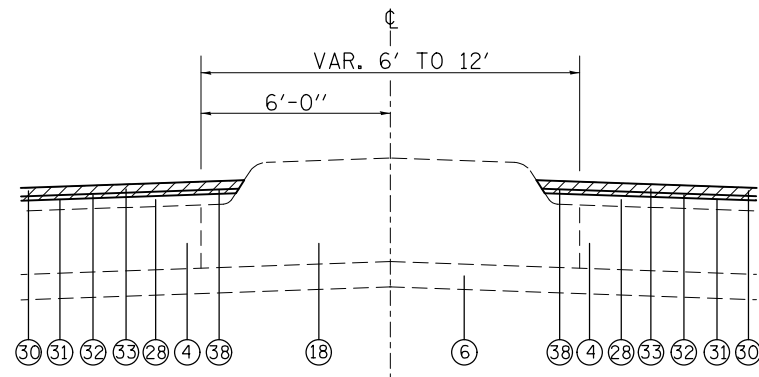
FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 8\Projects\0876\Drawings\0876\0876-45-shr-typosec.dwg	Documents\IDOT Offices\District 8\Projects\0876\Drawings\0876\0876-45-shr-typosec.dwg	DRAWN	REVISED		805	146RS-4,122RS-2	ST. CLAIR	74	15			
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	REVISED -		SCALE: SHEET NO. 8 OF 11 SHEETS STA. TO STA.			CONTRACT NO. 76H45				
PLOT DATE = 1/11/2018	DATE -	REVISED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							



TYPICAL SECTION (IL 161)

STA. 273+65.76 TO STA. 49+48.00
 STA. 60+21.00 TO STA. 67+75.00

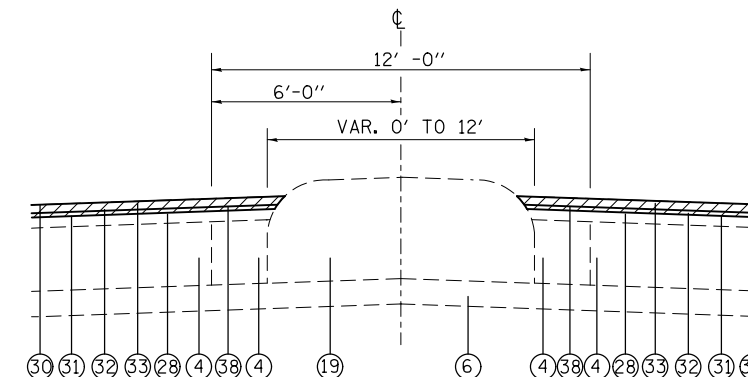
STATION EQUATION: 284+53.62 BK =
 35+93.17 AH



DETAIL A

MEDIAN SECTION

STA. 275+96.00 TO STA. 277+67.00
 STA. 277+67.00 TO STA. 279+67.00
 STA. 60+21.00 TO STA. 83+00.00



DETAIL B

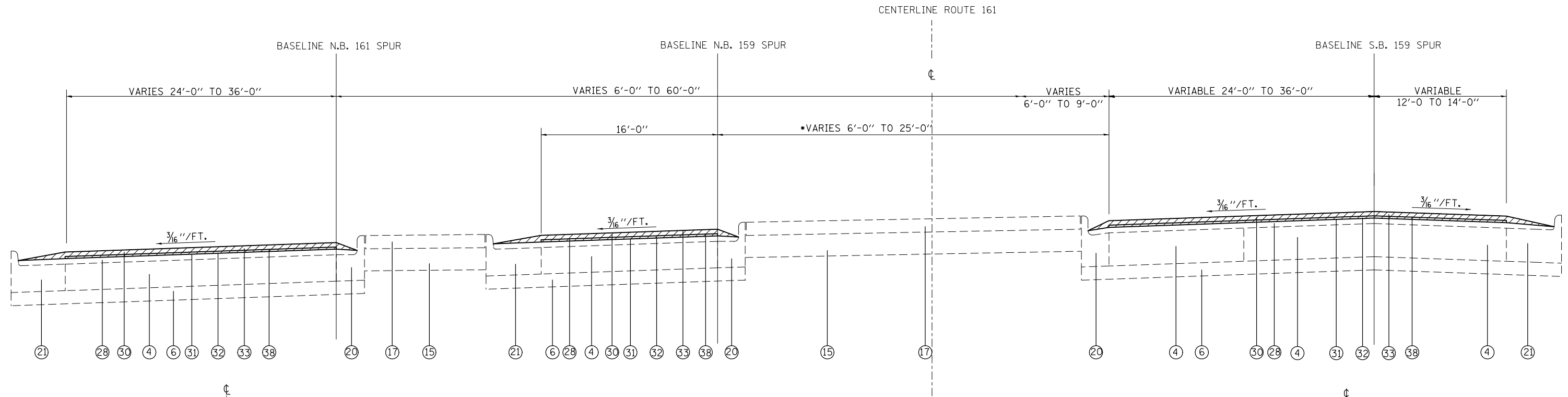
CORRUGATED MEDIAN SECTION

STA. 279+67.00 TO STA. 280+47.00

LEGEND

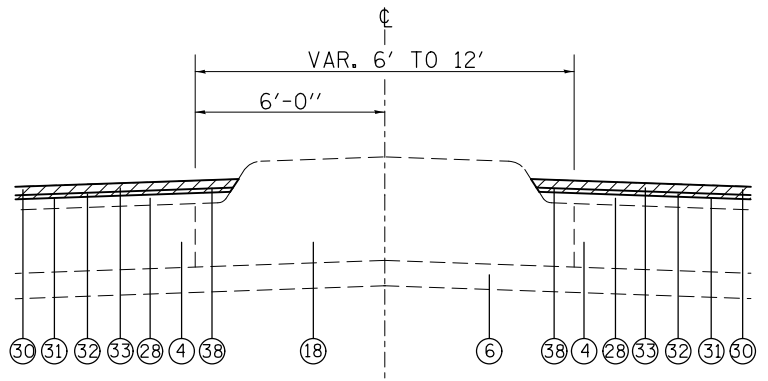
- ① OMIT
- ② EXISTING PCC BASE COURSE, 8"
- ③ EXISTING PCC PAVEMENT, 9"
- ④ EXISTING PCC PAVEMENT, 10"
- ⑤ EXISTING HMA PAVEMENT, 14"
- ⑥ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 4"
- ⑦ EXISTING HMA SHOULDERS, 8"
- ⑧ EXISTING HMA SHOULDERS, 12"
- ⑨ OMIT
- ⑩ EXISTING BASE COURSE WIDENING, 11"
- ⑪ EXISTING ASPHALT TREATED OPEN-GRADED DRAINAGE LAYER
- ⑫ EXISTING SEPERATION, 2 1/2"
- ⑬ EXISTING LIME MODIFIED SOIL, 12"
- ⑭ EXISTING PIPE UNDERDRAINS, 4"
- ⑮ EXISTING COMPACTED SAND
- ⑯ EXISTING CONCRETE MEDIAN, TYPE SM-4.06
- ⑰ EXISTING CONCRETE MEDIAN SURFACE
- ⑱ EXISTING CONCRETE MEDIAN SB 6.12
- ⑲ EXISTING CORRUGATED MEDIAN
- ⑳ EXISTING COMBINATION CURB AND GUTTER, TYPE B 6.12
- ㉑ EXISTING COMBINATION CURB AND GUTTER, TYPE B 6.24
- ㉒ EXISTING AGGREGATE SHOULDERS
- ㉓ EXISTING CONCRETE BARRIER
- ㉔ EXISTING CONCRETE SIDEWALK, 4"
- ㉕ EXISTING HMA CURB
- ㉖ EXISTING HMA RESURFACING, 3" & VARIES
- ㉗ EXISTING HMA RESURFACING, VARIES 2 1/2" TO 4 3/4"
- ㉘ EXISTING HMA RESURFACING, 5 1/2"
- ㉙ EXISTING HMA RESURFACING, 6"
- ㉚ PROPOSED HMA SURFACE REMOVAL 2 1/4"
- ㉛ PROPOSED BITUMINOUS MATERIALS (TACK COAT)
- ㉜ PROPOSED LEVELING BINDER (MM), IL-9.5 FG, N70, 3/4"
- ㉝ PROPOSED POLYMER HMA SURFACE COURSE, MIX D, N70 1 1/2"
- ㉞ PROPOSED HMA SHOULDERS, 2 1/4"
- ㉟ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ㊱ PROPOSED SHOULDER RUMBLE STRIPS, 16"
- ㊲ PROPOSED SHOULDER RUMBLE STRIPS, 8"
- ㊳ PROPOSED POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)

FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
					SCALE:	SHEET NO. 9 OF 11 SHEETS	STA.	TO STA.	805	146RS-4,122RS-2	ST. CLAIR	74	16
									CONTRACT NO. 76H45				
									FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



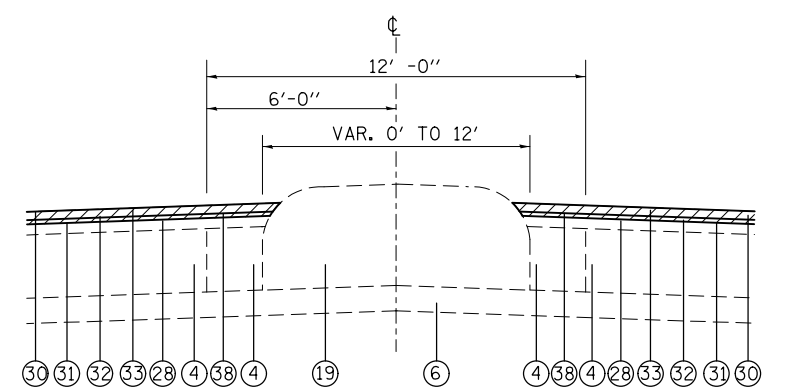
TYPICAL SECTION (IL 161)

STA. 49+48.00 TO STA. 60+21.00



DETAIL A
MEDIAN SECTION

STA. 51+44.00 TO STA. 54+55.00

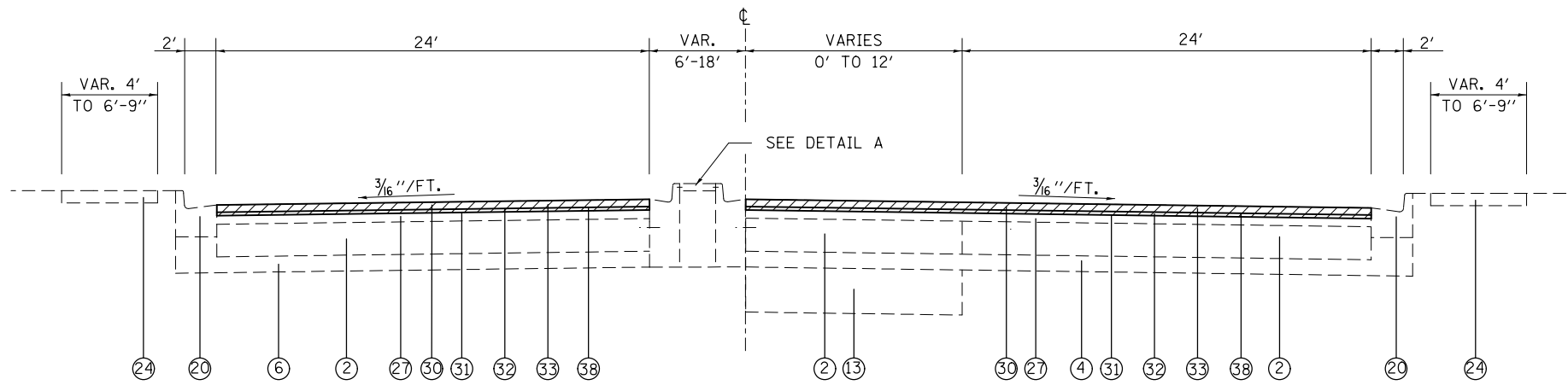


DETAIL B
CORRUGATED MEDIAN SECTION

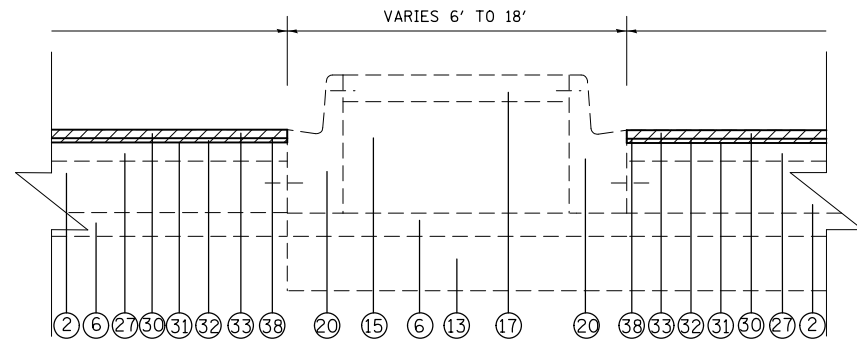
STA. 50+64.00 TO STA. 51+44.00

LEGEND

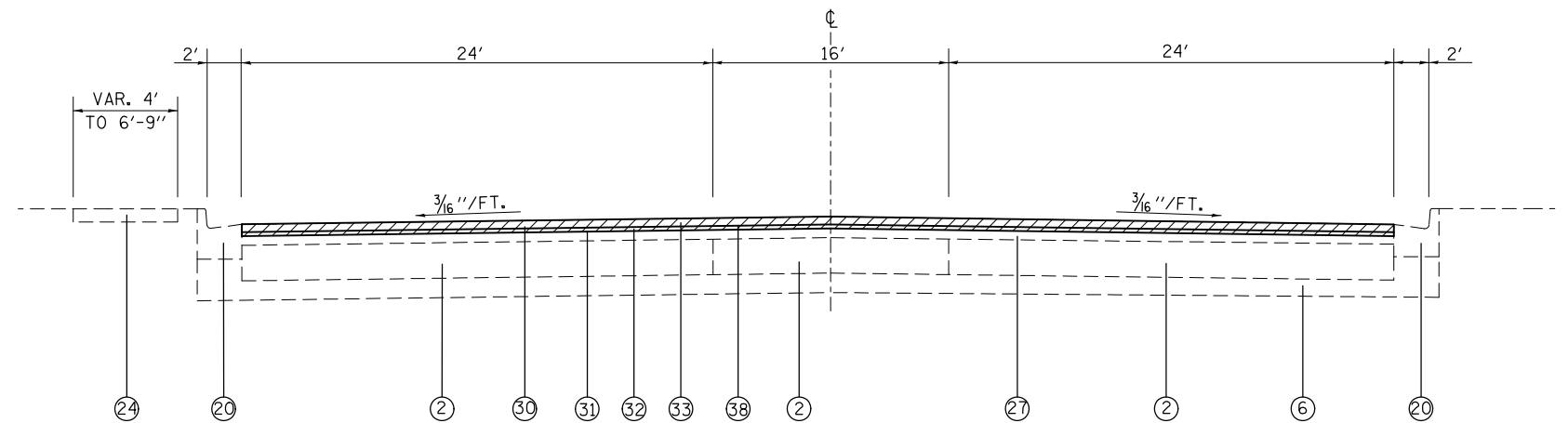
- ① OMIT
- ② EXISTING PCC BASE COURSE, 8"
- ③ EXISTING PCC PAVEMENT, 9"
- ④ EXISTING PCC PAVEMENT, 10"
- ⑤ EXISTING HMA PAVEMENT, 14"
- ⑥ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 4"
- ⑦ EXISTING HMA SHOULDERS, 8"
- ⑧ EXISTING HMA SHOULDERS, 12"
- ⑨ OMIT
- ⑩ EXISTING BASE COURSE WIDENING, 11"
- ⑪ EXISTING ASPHALT TREATED OPEN-GRADED DRAINAGE LAYER
- ⑫ EXISTING SEPERATION, 2 1/2"
- ⑬ EXISTING LIME MODIFIED SOIL, 12"
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- ⑯ EXISTING CONCRETE MEDIAN, TYPE SM-4.06
- ⑰ EXISTING CONCRETE MEDIAN SURFACE
- ⑱ EXISTING CONCRETE MEDIAN SB 6.12
- ⑲ EXISTING CORRUGATED MEDIAN
- ⑳ EXISTING COMBINATION CURB AND GUTTER, TYPE B 6.12
- ㉑ EXISTING COMBINATION CURB AND GUTTER, TYPE B 6.24
- ㉒ EXISTING AGGREGATE SHOULDERS
- ㉓ EXISTING CONCRETE BARRIER
- ㉔ EXISTING CONCRETE SIDEWALK, 4"
- ㉕ EXISTING HMA CURB
- ㉖ EXISTING HMA RESURFACING, 3" & VARIES
- ㉗ EXISTING HMA RESURFACING, VARIES 2 1/2" TO 4 3/4"
- ㉘ EXISTING HMA RESURFACING, 5 1/2"
- ㉙ EXISTING HMA RESURFACING, 6"
- ㉚ PROPOSED HMA SURFACE REMOVAL 2 1/4"
- ㉛ PROPOSED BITUMINOUS MATERIALS (TACK COAT)
- ㉜ PROPOSED LEVELING BINDER (MM), IL-9.5 FG, N70, 3/4"
- ㉝ PROPOSED POLYMER HMA SURFACE COURSE, MIX D, N70 1 1/2"
- ㉞ PROPOSED HMA SHOULDERS, 2 1/4"
- ㉟ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ㊱ PROPOSED SHOULDER RUMBLE STRIPS, 16"
- ㊲ PROPOSED SHOULDER RUMBLE STRIPS, 8"
- ㊳ PROPOSED POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)



TYPICAL SECTION (IL 161)
STA. 67+75.00 TO STA. 79+11.24 DETAIL A



DETAIL A



TYPICAL SECTION (IL 161)
STA. 79+11.24 TO STA. 83+00.00

LEGEND

- | | | |
|---|--|---|
| <ul style="list-style-type: none"> ① OMIT ② EXISTING PCC BASE COURSE, 8" ③ EXISTING PCC PAVEMENT, 9" ④ EXISTING PCC PAVEMENT, 10" ⑤ EXISTING HMA PAVEMENT, 14" ⑥ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 4" ⑦ EXISTING HMA SHOULDERS, 8" ⑧ EXISTING HMA SHOULDERS, 12" ⑨ OMIT ⑩ EXISTING BASE COURSE WIDENING, 11" ⑪ EXISTING ASPHALT TREATED OPEN-GRADED DRAINAGE LAYER ⑫ EXISTING SEPERATION, 2 1/2" ⑬ EXISTING LIME MODIFIED SOIL, 12" ⑭ EXISTING PIPE UNDERDRAINS, 4" ⑮ EXISTING COMPACTED SAND | <ul style="list-style-type: none"> ⑯ EXISTING CONCRETE MEDIAN, TYPE SM-4.06 ⑰ EXISTING CONCRETE MEDIAN SURFACE ⑱ EXISTING CONCRETE MEDIAN SB 6.12 ⑲ EXISTING CORRUGATED MEDIAN ⑳ EXISTING COMBINATION CURB AND GUTTER, TYPE B 6.12 ㉑ EXISTING COMBINATION CURB AND GUTTER, TYPE B 6.24 ㉒ EXISTING AGGREGATE SHOULDERS ㉓ EXISTING CONCRETE BARRIER ㉔ EXISTING CONCRETE SIDEWALK, 4" ㉕ EXISTING HMA CURB ㉖ EXISTING HMA RESURFACING, 3" & VARIES ㉗ EXISTING HMA RESURFACING, VARIES 2 1/2" TO 4 3/4" ㉘ EXISTING HMA RESURFACING, 5 1/2" ㉙ EXISTING HMA RESURFACING, 6" ㉚ PROPOSED HMA SURFACE REMOVAL 2 1/4" | <ul style="list-style-type: none"> ㉛ PROPOSED BITUMINOUS MATERIALS (TACK COAT) ㉜ PROPOSED LEVELING BINDER (MM), IL-9.5 FG, N70, 3/4" ㉝ PROPOSED POLYMER HMA SURFACE COURSE, MIX D, N70 1 1/2" ㉞ PROPOSED HMA SHOULDERS, 2 1/4" ㉟ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B ㊱ PROPOSED SHOULDER RUMBLE STRIPS, 16" ㊲ PROPOSED SHOULDER RUMBLE STRIPS, 8" ㊳ PROPOSED POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) |
|---|--|---|

FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS			
SCALE:	SHEET NO. 11 OF 11 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	18
CONTRACT NO. 76H45				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

MAINLINE RESURFACING SCHEDULE						
LOCATION	HMA SURFACE REMOVAL 2 1/4"	TEMPORARY RAMPS*	BITUMINOUS MATERIAL (TACK COAT)	POLYMERIZED BITUMINOUS MATERIAL (TACK COAT)	LEVELING BINDER (MM), IL-9.5 FG, N70 3/4"	POLY HMA SURFACE COURSE, MIX D, N70 1 1/2"
	SQ YD	SQ YD	POUND	POUND	TON	TON
113+00 - 120+00	3600.0	40	1620.0	810.0	151.2	302.4
120+00 - 125+00	2853.3		1284.0	642.0	119.8	239.7
125+00 - 128+97	4147.9	513.2	1866.6	933.3	174.2	348.4
131+00 - 143+00	6689.6		3010.3	1505.2	281.0	561.9
143+00 - 151+00	4548.0		2046.6	1023.3	191.0	382.0
151+00 - 157+00	4156.4	483.4	1870.5	935.2	174.6	349.1
157+00 - 169+00	8386.4		3773.9	1886.9	352.2	704.5
167+00 - 181+00	8266.7		3720.0	1860.0	347.2	694.4
181+00 - 188+00	4875.5		2194.0	1097.0	204.8	409.5
188+00 - 194+00	4707.4	256.6	2118.3	1059.2	197.7	395.4
194+00 - 206+00	8290.4		3730.7	1865.3	348.2	696.4
206+00 - 217+00	7760.6		3412.2	1706.1	325.9	651.9
217+00 - 223+00	4920.0	205.0	2214.0	1107.0	206.6	413.3
223+00 - 233+00	6888.9		3100.0	1550.0	289.3	578.7
233+00 - 239+00	4133.3	200.0	1860.0	930.0	173.6	347.2
239+00 - 249+00	6937.9		3122.0	1561.0	291.4	582.8
249+00 - 255+00	4882.5	332.5	2197.1	1098.6	188.3	410.1
255+00 - 260+00	3444.4		1550.0	775.0	144.7	289.3
260+00 - 266+00	4221.9	71.7	1900.0	949.9	177.3	354.6
266+00 - 272+00	4216.7		1897.5	948.7	177.1	354.2
272+00 - 278+00	5237.7	229.2	2384.7	1192.3	220.0	440.0
278+00 - 41+00	10803.0		4861.4	2430.6	453.7	907.5
41+00 - 53+00	11032.9	125.0	4964.8	2482.4	463.4	926.8
53+00 - 59+00	4797.9	40.0	2159.1	1079.5	201.5	403.0
59+00 - 65+00	4120.2	70.8	1854.1	927.1	173.0	346.1
65+00 - 72+60	3713.4	110.9	1671.0	835.5	156.0	311.9
72+60 - 78+60	4393.0	677.5	1976.9	988.4	184.5	369.0
78+60 - 83+00	3287.7	155.9	1499.5	749.7	138.1	276.2
SCHOOL ENTRANCE		66.7	18.4	9.2	1.7	3.4
TOTALS	155314	3578	69878	34938	6508	13050

*CONSTRUCT TEMPORARY RAMPS AT SIDEROADS AND SCHOOL ENTRANCE WITH 2' WIDTH

SHOULDER RESURFACING SCHEDULE						
LOCATION	HMA SURFACE REMOVAL 2 1/4"	BITUMINOUS MATERIAL (TACK COAT)	HMA SHOULDERS	SHOULDER RUMBLE STRIPS 8"	SHOULDER RUMBLE STRIPS 16"	AGGREGATE SHOULDER WEDGE TYPE B
	SQ YD	POUND	TON	FOOT	FOOT	TON
113+00 - 120+00	2981.3	1341.5	375.6		2700	39.4
120+00 - 125+00	1999.5	899.8	251.9	147	1840	29.2
125+00 - 128+97	1233.7	555.1	155.4	484	822	23.9
131+00 - 143+00	4971.8	2237.3	626.4	223	4324	70
143+00 - 151+00	3214.5	1446.5	405.0	212	2749	46.6
151+00 - 157+00	1236.6	556.5	155.8	460	857	25
157+00 - 169+00	2787.1	1254.2	351.2	181	2400	70
167+00 - 181+00	2666.6	1200.0	336.0		2400	70
181+00 - 188+00	1526.6	687.0	192.4		1255.5	40.8
188+00 - 194+00	417.9	212.4	52.7		235	16.3
194+00 - 206+00	2445.9	1100.7	308.2		2133	65
206+00 - 217+00	2444.4	1100.0	308.0		2200	64.2
217+00 - 223+00	955.0	430.0	120.3		749.7	25.5
223+00 - 233+00	2222.2	1000.0	280.0		2000	58.4
233+00 - 239+00	1064.3	478.9	134.1		958.3	27.9
239+00 - 249+00	2222.2	1000.0	280.0		2000	58.4
249+00 - 255+00	659.2	296.7	83.1		562	17.4
255+00 - 260+00	1111.2	500.0	140.0		1000	29.2
260+00 - 266+00	1097.0	493.7	138.2	80	962.3	30.5
266+00 - 272+00	933.4	420.0	117.6	600	600	35
272+00 - 278+00	183.3	82.5	23.1	70	139	6.2
TOTALS	38374	17293	4835	2457	32887	849

PAVEMENT MARKING REMOVAL - WATERBLASTING				
LOCATION	WIDTH (INCH)	SIZE (SQ FT)	COMMENTS	
219+74	LT	12	21.5	CROSSWALK FROM MEDIAN TO NW CORNER
219+76	LT	24	84.0	STOP BAR ON RIGHT TURN LANE
220+11	LT	24	24.0	STOP BAR FOR SB TRAFFIC
220+28	LT	12	79.5	CROSSWALK ACROSS ROYAL HEIGHTS RD.
220+40	RT	24	32.0	STOP BAR ON RIGHT TURN LANE
220+50	RT	12	32.0	CROSSWALK FROM MEDIAN TO SW CORNER
220+91	RT	12	98.0	CROSSWALK ACROSS ROYAL HEIGHTS RD.
221+46	RT	12	53.6	CROSSWALK FROM MEDIAN TO SE CORNER
64+75	CL	4	8.8	ON MEDIAN
75+60	RT	24	32.0	STOP BAR ON RIGHT TURN LANE
75+70	RT	12	35.7	CROSSWALK ACROSS IL 161 (PARTIAL)
76+06	LT	12	24.0	STOP BAR FOR SB TRAFFIC
76+24	RT	12	191.5	CROSSWALK ACROSS IL 159
76+35	LT	12	153.0	CROSSWALK ACROSS IL 159
76+62	RT	24	48.0	STOP BAR FOR NB TRAFFIC
TOTAL:			918	

PAVEMENT MARKING SCHEDULE

LOCATION	THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS			THERMOPLASTIC PAVEMENT MARKING - LINE 4"						THERMOPLASTIC PAVEMENT MARKING - LINE 8"		THERMOPLASTIC PAVEMENT MARKING - LINE 12"			THERMOPLASTIC PAVEMENT MARKING - LINE 24"
				EDGELINE	CENTERLINE	TURN LANE	MEDIAN - SOLID	MEDIAN - SOLID	MEDIAN - DASH	TURN LANES	ISLANDS	CROSSWALK	CHEVRONS	CHEVRONS	STOP BAR
	LEFT TURN	RIGHT TURN	DUAL LEFT	WHITE	WHITE	WHITE	WHITE	YELLOW	YELLOW	DASHED WHITE	SOLID WHITE	WHITE	WHITE	YELLOW	WHITE
	SQ FT	SQ FT	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT
113+00 - 120+00				1350	340			1350							
120+00 - 125+00				1000	240			1000							
125+00 - 128+97	62.4			807	280	450		1030							72
131+00 - 143+00				2400	600			2400							
143+00 - 151+00				1600	400			1600							
151+00 - 157+00				857	240	410		958							
157+00 - 169+00			124.8	2400	600			2400	520						
167+00 - 181+00			156.0	2400	600			2400	600						
181+00 - 188+00				1400	360			1400	360						
188+00 - 194+00	62.4	31.2		676.5	200	663.5		976		233.7	273.5	80			72.0
194+00 - 206+00			124.8	2230	600			2400	230						
206+00 - 217+00			156.0	2200	560			2200	480						
217+00 - 223+00	62.4	31.2		969.0	110.0	532.4		838.0		276.6	142				78.0
223+00 - 233+00				2000	500			2000	260						
233+00 - 239+00	62.4			958.3	240.0	409.0		958.0							24.0
239+00 - 249+00			93.6	2000	500			2000	320						75.0
249+00 - 255+00	62.4	31.2		612	260	610.2		878		271.1					
255+00 - 260+00				1000	130	14		1000							
260+00 - 266+00	46.8			1097.3	280	268		891.3					8.2		
266+00 - 272+00	15.6			1200	300			1200					91.8		
272+00 - 278+00	93.6			815	320	425.8	325.5	1012		122.5					84.0
278+00 - 41+00			156.0	2320.9	1160			2780.9							
41+00 - 53+00			156.0	2135.5	1100.0			2400.0	480.0						
53+00 - 59+00				1176.0	330.0	348.2	350.0	1236.3							
59+00 - 65+00	78.0			1112.5	300	212		1101.7	48						
65+00 - 72+60	62.4			1158	300	173		1130.7	22						
72+60 - 78+60	109.2	31.2		597	220	305		874		145.1	498	13.5			87.5
78+60 - 83+00			62.4	880	220	18		880	200						
SUB-TOTALS	717.6	124.8	1029.6	39352	11290	4839.1	675.5	41294.9	3450	70	1049.0	913.5	93.5	100	492.5
TOTALS		1872				100902				1119		1107			493

LOCATION	PAINT PAVEMENT MARKING CURB	PRISMATIC CURB REFLECTOR
	FOOT	EACH
123+53 - 127+81	116	28
128+97 - 133+23	116	26
148+88 - 153+15	116	26
154+55 - 158+81	116	26
269+11 - 273+97	116	28
273+34 - 274+04	68	8
274+96 - 275+64	68	8
275+00 - 279+68	116	25
51+44 - 57+53	116	31
54+54 - 59+90	116	32
60+45 - 64+85	116	26
65+15 - 75+50	116	46
77+18 - 79+10	116	14
TOTALS	1412	324

LOCATION	PAVEMENT PATCHING SCHEDULE				
	TYPE I, 13"	TYPE II, 13"		TYPE III, 13"	TYPE IV, 13"
		DRIVING	PASSING		
SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	
157+25		8	8		
178+80		8	8		
179+90		8	8		
183+65		8	8		
186+50		8			
230+00		8			
231+00		8			
237+00			8		
251+80			8		
PROJECT LIMITS	4			24	25
SUB-TOTALS	4	56	48	24	25
15% CONT.		16			
TOTALS	4	120	24	25	

PAVEMENT MARKING REMOVAL			
LOCATION	SIZE	SQ FT	COMMENTS
64+75	4"	8.8	ON MEDIAN
75+60	24"	32	STOP BAR ON RIGHT TURN LANE
75+70	12"	35.7	CROSSWALK ACROSS IL 161 (PARTIAL)
75+70	12"	191.5	CROSSWALK ACROSS IL 159
TOTAL		268	

RAISED REFLECTIVE PAVEMENT MARKERS			
LOCATION	REMOVAL	CRYSTAL	AMBER
	EACH	EACH	EACH
113+00 - 120+00	17	17	
120+00 - 125+00	12	12	
125+00 - 131+00	24	24	
131+00 - 143+00	30	30	
143+00 - 151+00	20	20	
151+00 - 157+00	22	22	
157+00 - 169+00	56	30	26
169+00 - 181+00	60	30	30
181+00 - 188+00	46	18	28
188+00 - 194+00	33	33	
194+00 - 206+00	76	30	46
206+00 - 217+00	74	28	46
217+00 - 223+00	21	21	
223+00 - 233+00	53	27	26
233+00 - 239+00	24	24	
239+00 - 249+00	58	26	32
249+00 - 255+00	26	26	
255+00 - 260+00	13	13	
260+00 - 266+00	23	23	
266+00 - 272+00	18	18	
272+00 - 278+00	22	22	
278+00 - 41+00	106	60	46
41+00 - 53+00	102	54	48
53+00 - 59+00	21	21	
59+00 - 65+00	22	22	
65+00 - 72+60	18	18	
72+60 - 78+60	24	24	
78+60 - 83+00	34	14	20
SBUTOTAL:	1055	707	348
TOTALS	1055	1055	

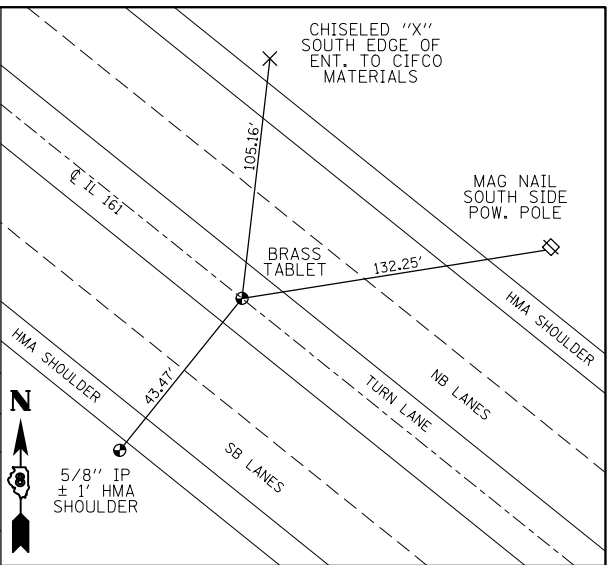
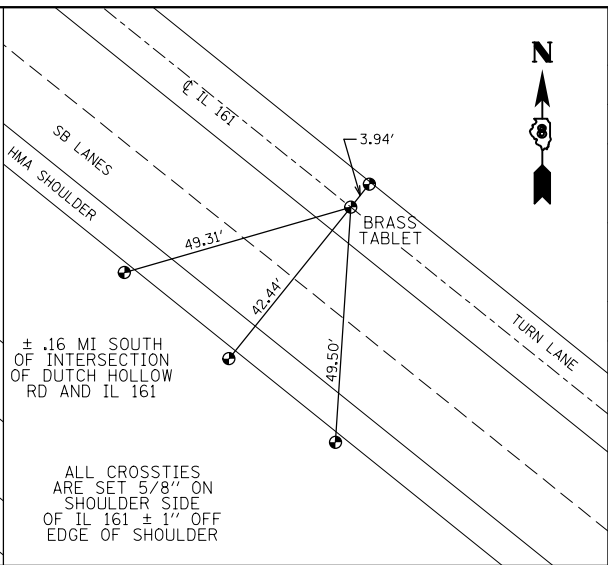
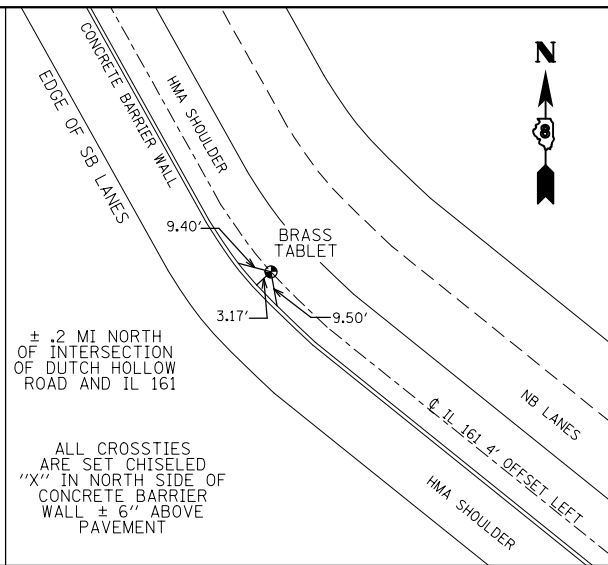
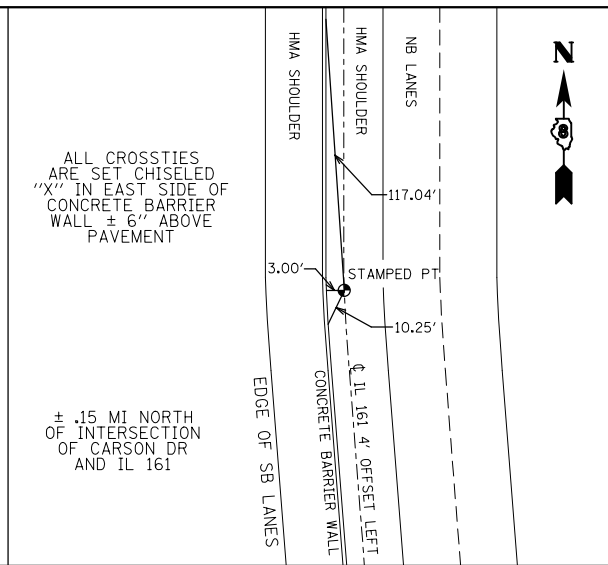
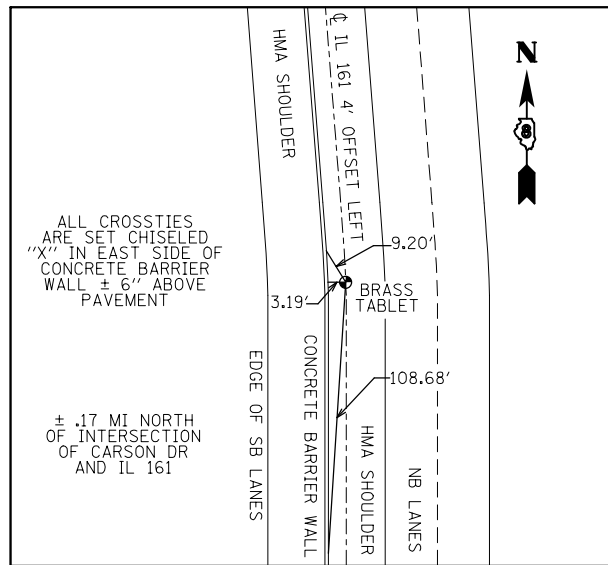
PAVEMENT PATCHING 14 INCH SCHEDULE					
APPROX. LOCATION	DIRECTION	LANE	LENGTH	LANE WIDTH	PAVEMENT PATCHING TYPE II
			(FT)	(FT)	(SQ. YD.)
154+04	EB	PASSING	4.0	12.0	5.3
154+04	EB	PASSING	8.0	12.0	10.7
217+48	EB	PASSING	4.0	12.0	5.3
222+36	EB	PASSING	6.0	12.0	8.0
232+12	EB	PASSING	4.0	12.0	5.3
232+12	EB	PASSING	4.0	12.0	5.3
232+12	EB	PASSING	6.0	12.0	8.0
237+00	EB	PASSING	6.0	12.0	8.0
237+00	EB	PASSING	6.0	12.0	8.0
237+00	EB	PASSING	4.0	12.0	5.3
251+64	EB	PASSING	4.0	12.0	5.3
251+64	EB	PASSING	8.0	12.0	10.7
251+64	EB	PASSING & CENTER (HALF)	6.0	18.0	12.0
261+40	EB	LEFT TURN	8.0	12.0	10.7
SUBTOTALS:					108.0
ANTICIPATED FAILURES (15%):					16.2
TOTALS:					124

PAVEMENT PATCHING 12 INCH SCHEDULE							
APPROX. LOCATION	DIRECTION	LANE	LENGTH	LANE WIDTH	PAVEMENT PATCHING TYPE II	PAVEMENT PATCHING TYPE III	PAVEMENT PATCHING TYPE IV
			(FT)	(FT)	(SQ. YD.)	(SQ. YD.)	(SQ. YD.)
139+40	EB	DRIVING	6.0	12.0	8.0		
139+40	EB	PASSING	6.0	12.0	8.0		
149+16	EB	DRIVING	4.0	12.0	5.3		
154+04	EB	DRIVING	6.0	12.0	8.0		
154+04	EB	DRIVING	8.0	12.0	10.7		
163+80	EB	DRIVING	6.0	12.0	8.0		
173+56	EB	DRIVING	4.0	12.0	5.3		
173+56	EB	PASSING	4.0	12.0	5.3		
178+44	EB	DRIVING	6.0	12.0	8.0		
183+32	EB	DRIVING	6.0	12.0	8.0		
202+84	EB	DRIVING	10.0	12.0	13.3		
202+84	EB	DRIVING	8.0	12.0	10.7		
217+48	EB	DRIVING	4.0	12.0	5.3		
217+48	EB	DRIVING	6.0	12.0	8.0		
217+48	EB	DRIVING	8.0	12.0	10.7		
222+36	EB	DRIVING	8.0	12.0	10.7		
222+36	EB	DRIVING	6.0	12.0	8.0		
232+12	EB	DRIVING	4.0	12.0	5.3		
232+12	EB	DRIVING	4.0	12.0	5.3		
232+12	EB	DRIVING	6.0	12.0	8.0		
232+12	EB	DRIVING	4.0	12.0	5.3		
237+00	EB	DRIVING (OUTSIDE HALF)	20.0	6.0	13.3		
237+00	EB	DRIVING	12.0	12.0		16.0	
237+00	EB	DRIVING	4.0	12.0	5.3		
241+88	EB	DRIVING	4.0	12.0	5.3		
241+88	EB	PASSING	4.0	12.0	5.3		
241+88	EB	DRIVING	6.0	12.0	8.0		
241+88	EB	PASSING	6.0	12.0	8.0		
241+88	EB	DRIVING	6.0	12.0	8.0		
241+88	EB	PASSING	6.0	12.0	8.0		
246+76	EB	DRIVING	6.0	12.0	8.0		
246+76	EB	DRIVING (INSIDE HALF)	20.0	6.0	13.3		
251+64	EB	DRIVING	4.0	12.0	5.3		
251+64	EB	DRIVING	8.0	12.0	10.7		
275+76	WB	MEDIAN*	161.0	4.0			71.6
SUBTOTALS:					264.0	16.0	71.6
ANTICIPATED FAILURES (15%):					39.6	2.4	10.7
TOTALS:					304	18	82

*COST OF EXISTING CONCRETE AND CORRUGATED MEDIAN REMOVAL TO BE INCLUDED IN COST OF PATCH

CURB AND MEDIAN PAINTING AND REFLECTORS								
LOCATION			PAINT PAVEMENT MARKING - RAISED MEDIAN, WHITE	PAINT PAVEMENT MARKING - RAISED MEDIAN, YELLOW	PAINT PAVEMENT MARKING CURB, WHITE	PAINT PAVEMENT MARKING CURB, YELLOW	CURB REFLECTOR, CRYSTAL	CURB REFLECTOR, AMBER
			(SQ FT)	(SQ FT)	(FOOT)	(FOOT)	(EACH)	(EACH)
123+53	TO	127+81		34.1		96		28
128+97	TO	133+23		34.1		96		26
148+88	TO	153+15		34.1		96		26
154+55	TO	158+81		34.1		96		26
190+82	TO	191+05	16.3		24		14	
190+84	TO	191+04	15.5		17		14	
191+63	TO	191+84	21.5		19		14	
191+66	TO	191+87	15.0		21		14	
219+83	TO	220+13	8.0		34		15	
220+25	TO	220+67	12.0		87		19	
221+12	TO	221+35	10.8		26		12	
269+11	TO	273+97		52.5		96		28
273+34	TO	274+04			68		8	
275+00	TO	279+68				116		25
51+44	TO	57+53				116		31
54+54	TO	59+90		27.0	58	48	17	15
60+45	TO	64+85		90.3		96		26
65+15	TO	75+50		32.1		106		46
75+74	TO	75+94	9.5		15		10	
76+73	TO	77+03	9.0		50		16	
76+73	TO	77+06	10.5		61		18	
77+18	TO	79+10		40.3		96		14
SUB-TOTALS:			128	379	480	1058	171	291
FIELD VARIANCE (10%)			13	38	48	106	17	29
TOTALS:			558		1692		508	

LONGITUDINAL JOINT SEALANT				
LOCATION			PLACED ON	
STA.	TO	STA.	MILLED SURFACE (FOOT)	LEVELING BINDER (FOOT)
113+00	TO	120+00	1350.0	1350.0
120+00	TO	125+00	1141.0	1141.0
125+00	TO	131+00	2030.0	2030.0
131+00	TO	143+00	2623.0	2623.0
143+00	TO	151+00	1811.0	1811.0
151+00	TO	157+00	2088.0	2088.0
157+00	TO	169+00	4620.0	4620.0
169+00	TO	181+00	4800.0	4800.0
181+00	TO	188+00	2850.0	2850.0
188+00	TO	194+00	2682.0	2682.0
194+00	TO	206+00	4800.0	4800.0
206+00	TO	217+00	4400.0	4400.0
217+00	TO	223+00	2825.0	2825.0
223+00	TO	233+00	4000.0	4000.0
233+00	TO	239+00	2400.0	2400.0
239+00	TO	249+00	4520.0	4520.0
249+00	TO	255+00	2995.0	2995.0
255+00	TO	260+00	2000.0	2000.0
260+00	TO	266+00	2420.0	2420.0
266+00	TO	272+00	2430.0	2430.0
272+00	TO	278+00	2427.0	2427.0
278+00	TO	41+00	6476.0	6476.0
41+00	TO	53+00	6984.0	6984.0
53+00	TO	59+00	1792.0	1792.0
59+00	TO	65+00	1748.0	1748.0
65+00	TO	72+60	1436.0	1436.0
72+60	TO	78+60	2119.0	2119.0
78+60	TO	83+00	1888.0	1888.0
SUB-TOTALS			83655.0	83655.0
TOTAL			167310	



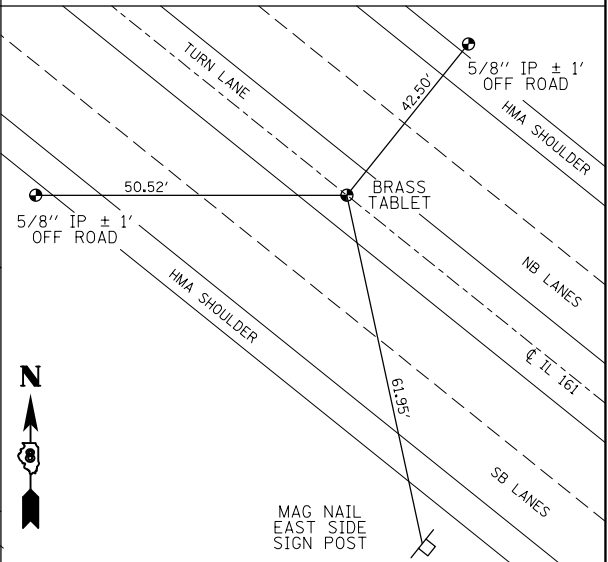
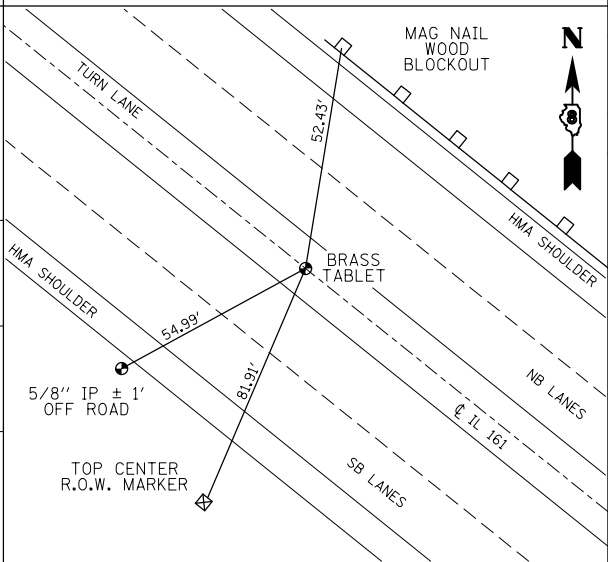
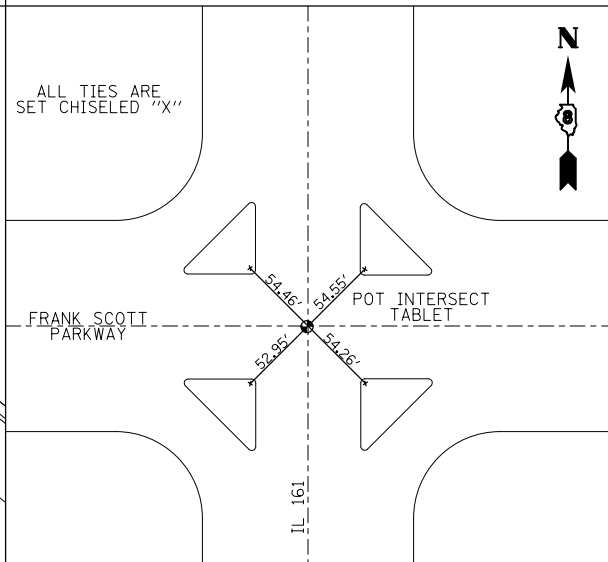
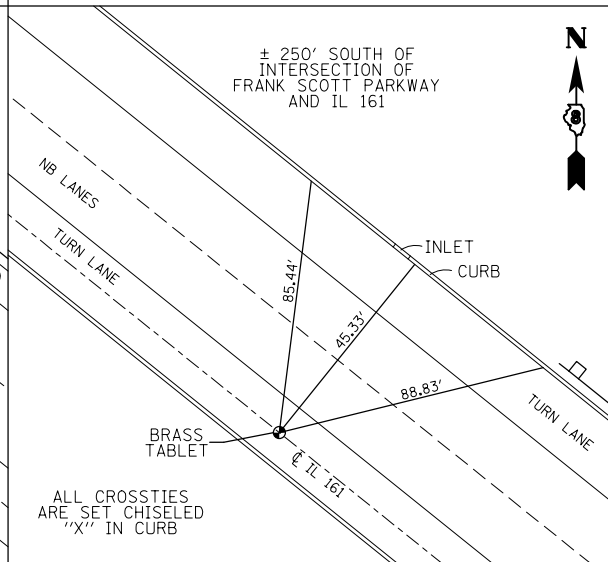
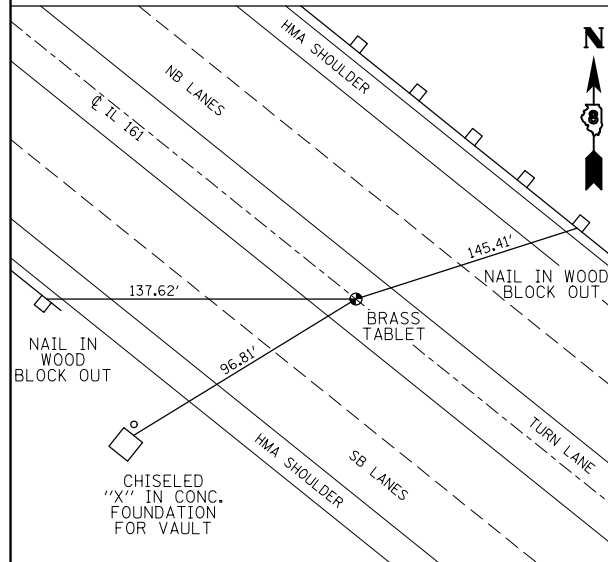
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PT STATION 122+15.00

PT STATION 143+96.91

PT STATION 152+40.78

PT STATION 168+38.27



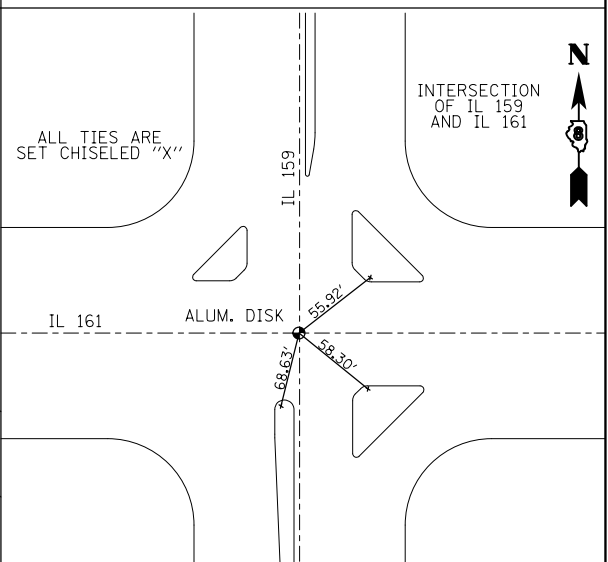
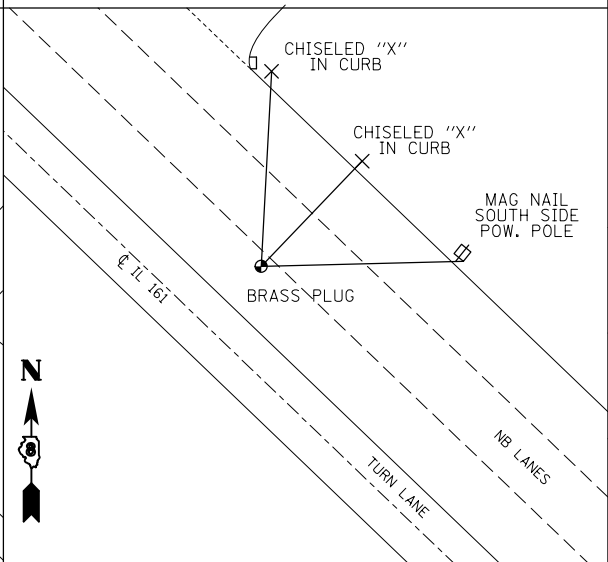
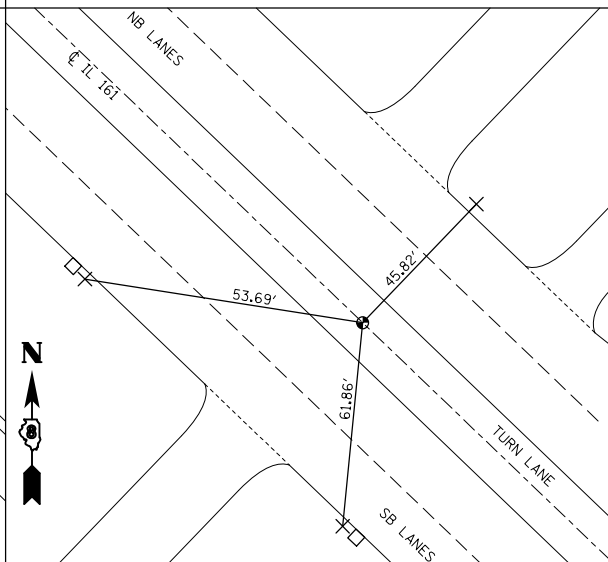
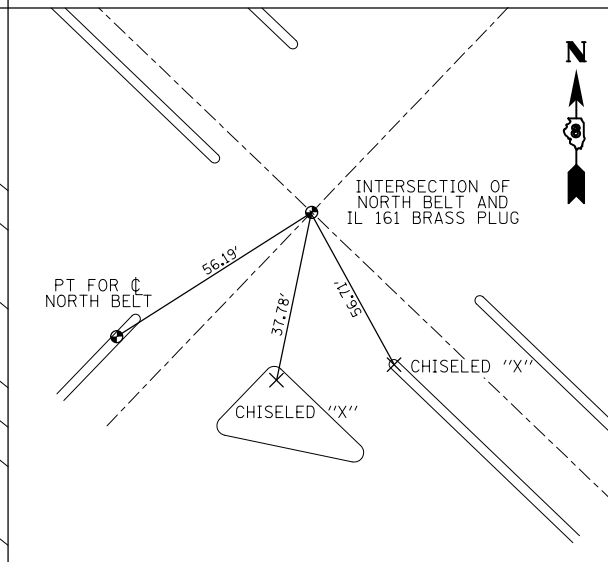
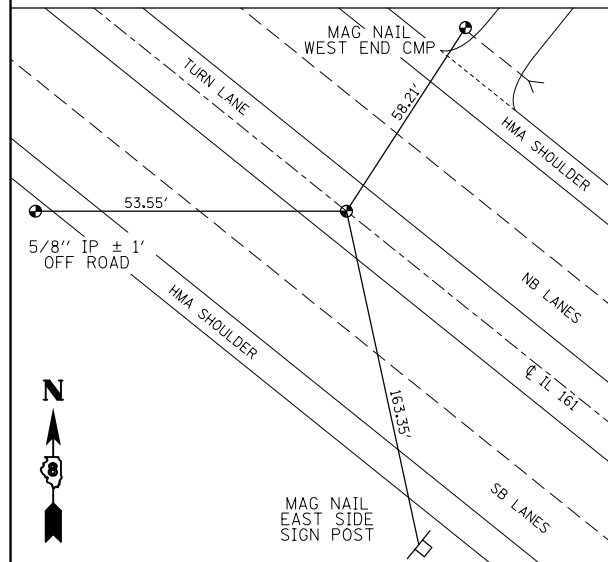
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PT STATION 198+45.78

INTERSECTION OF IL 161 & FRANK SCOTT PARKWAY

PT STATION 208+74.42

PT STATION 240+72.77



PT STATION 251+04.63

INTERSECTION OF IL 161 & N BELT

MARKED STATIONS OF 35+48.45 TO 35+99.17

POSSIBLE NE COR., S-E 1/4, N-W 1/4, SEC. 16

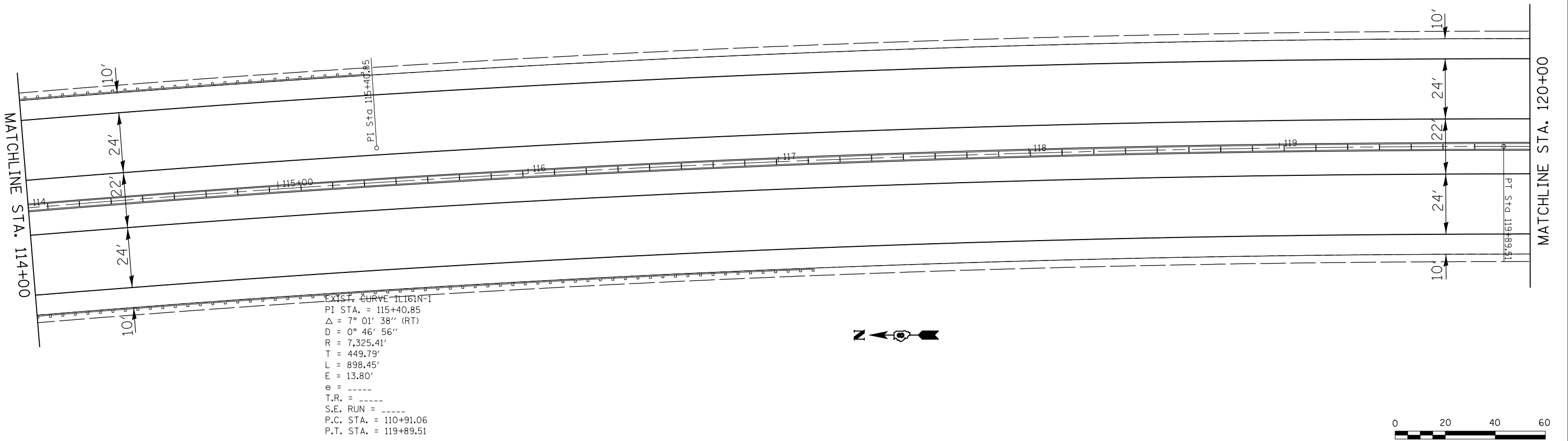
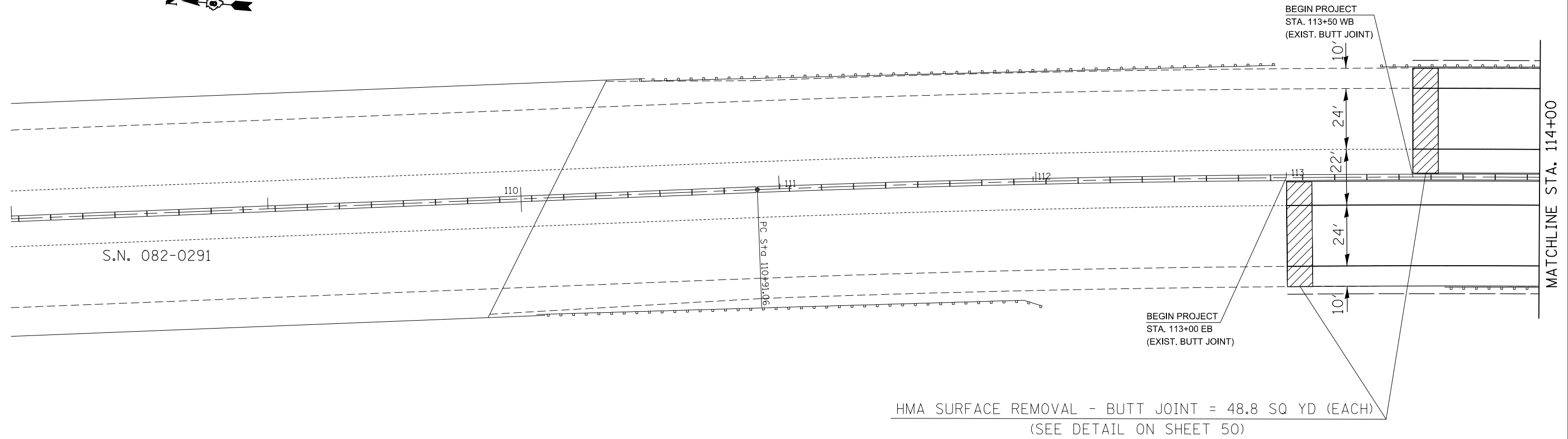
INTERSECTION OF IL 161 & IL 159

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SURVEY MONUMENTS			
SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	23
CONTRACT NO. 76H45				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



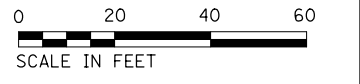
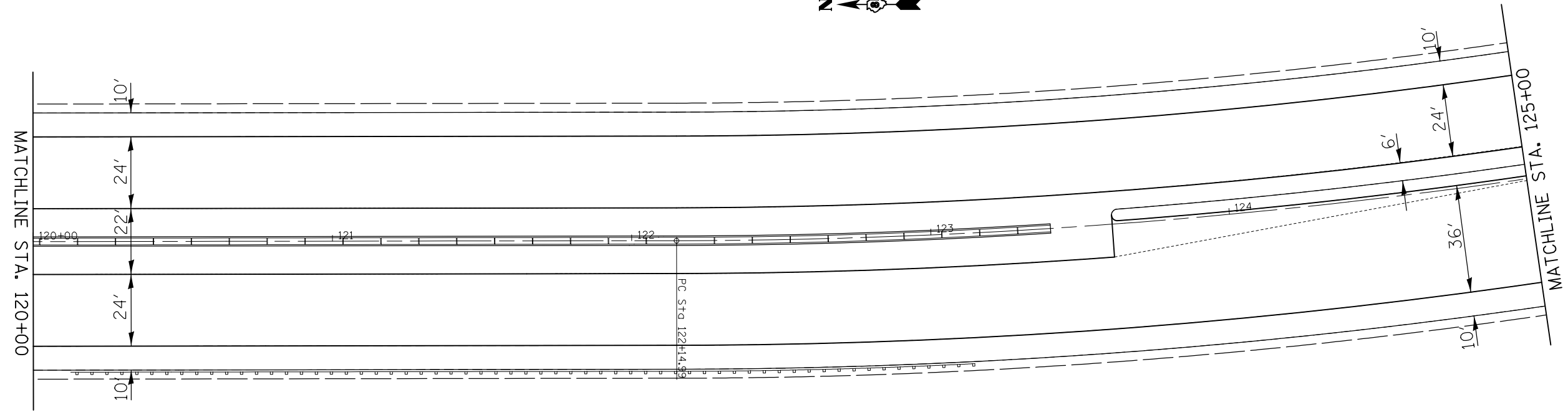
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 1 OF 28 SHEETS STA. 108+00 TO STA. 120+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	24
CONTRACT NO. 76H45				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



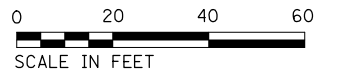
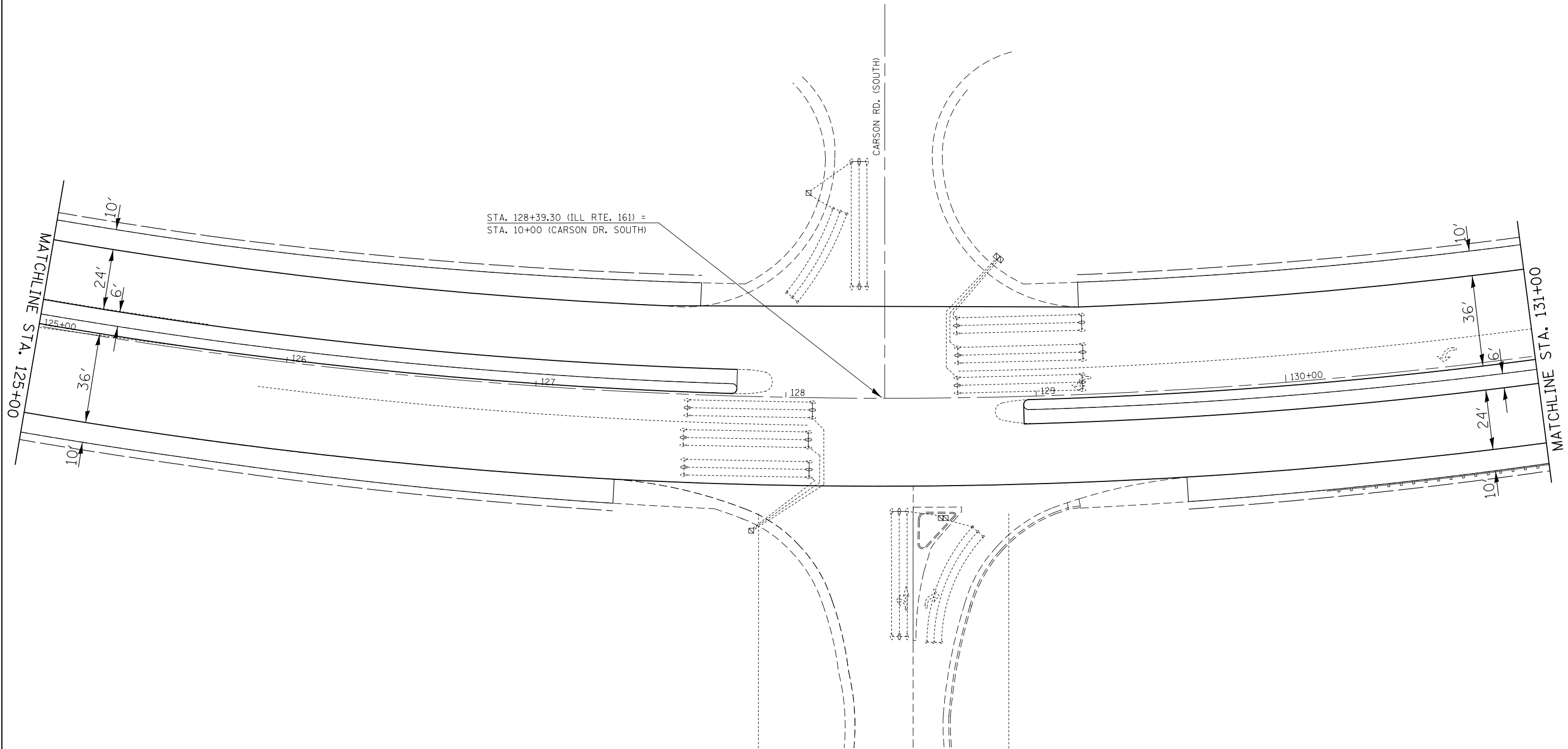
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	PLOT DATE = 1/11/2018		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 2 OF 28 SHEETS STA. 120+00 TO STA. 125+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	25
CONTRACT NO. 76H45				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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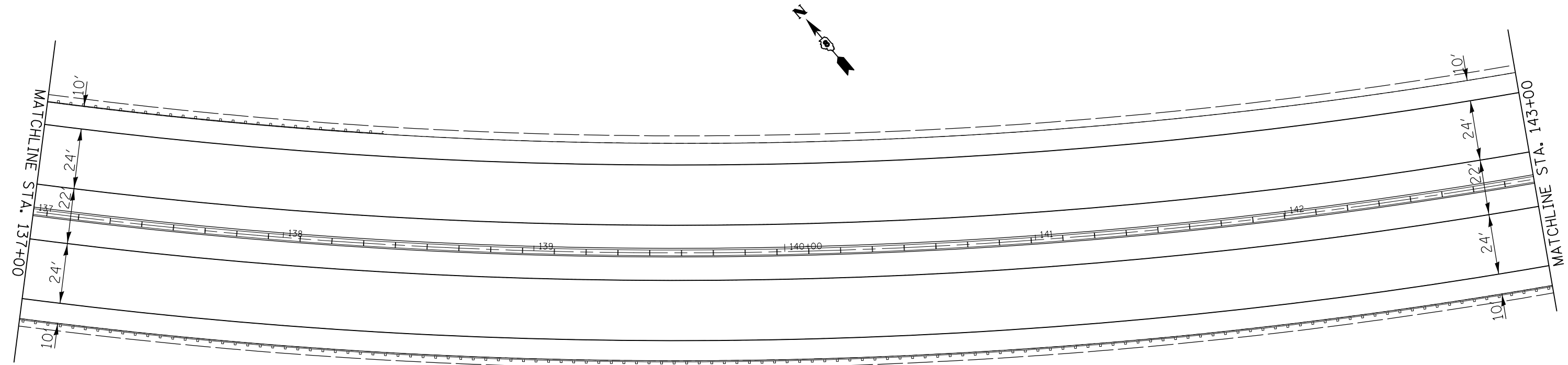
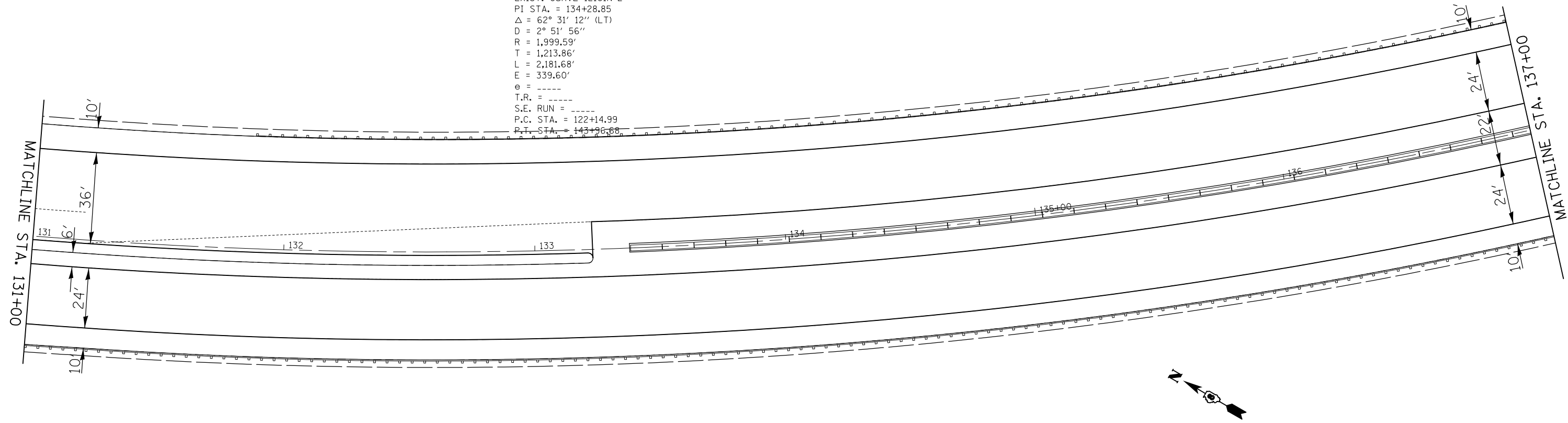
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 3 OF 28 SHEETS STA. 125+00 TO STA. 131+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	26
CONTRACT NO. 76H45				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

EXIST. CURVE IL161N-2
 PI STA. = 134+28.85
 $\Delta = 62^\circ 31' 12''$ (LT)
 $D = 2^\circ 51' 56''$
 $R = 1,999.59'$
 $T = 1,213.86'$
 $L = 2,181.68'$
 $E = 339.60'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 $P.C. \text{ STA.} = 122+14.99$
 $P.T. \text{ STA.} = 143+96.68$



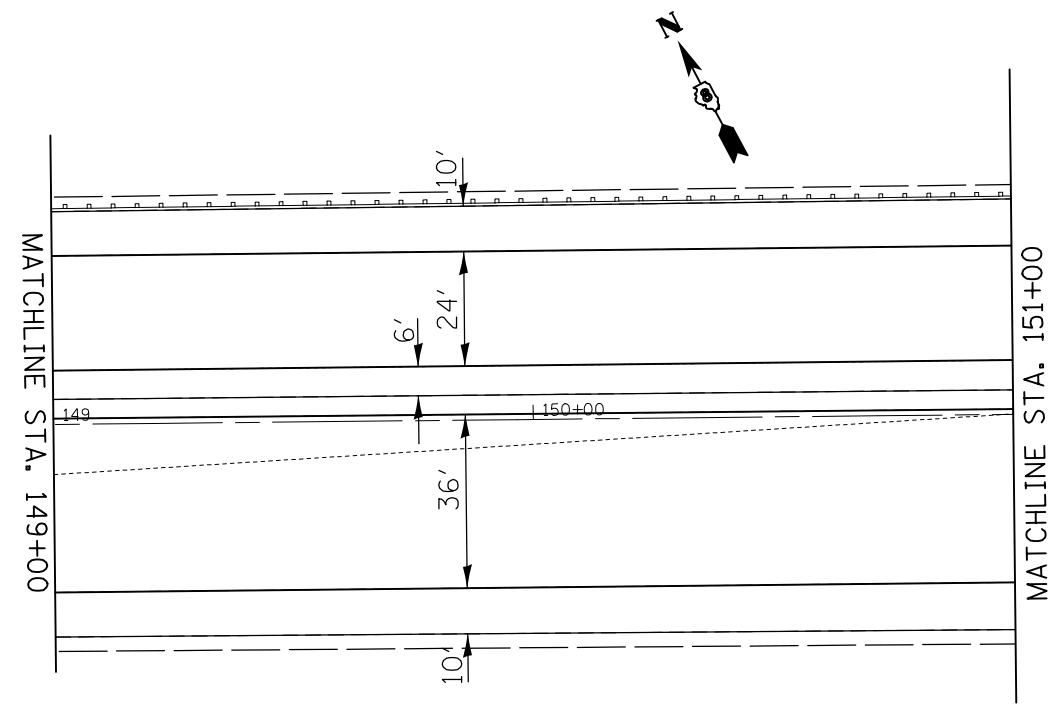
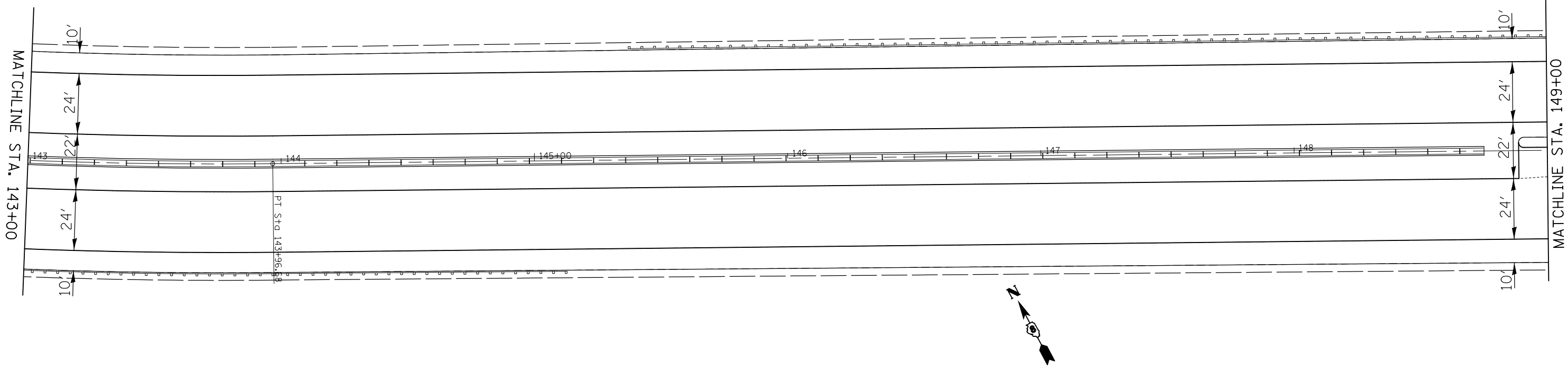
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	PLOT DATE = 1/11/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 4 OF 28 SHEETS STA. 131+00 TO STA. 143+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	27
CONTRACT NO. 76H45				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



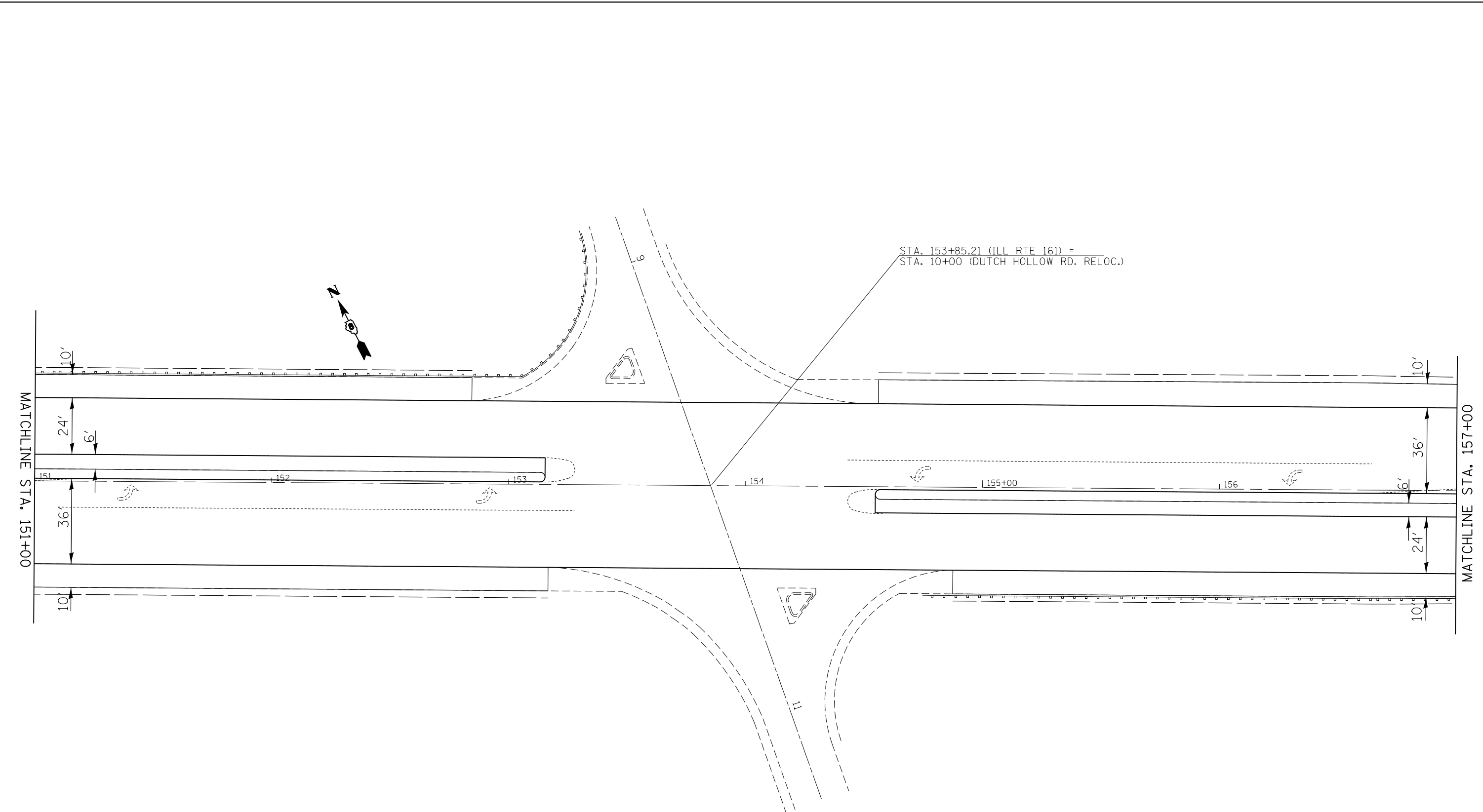
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	PLOT DATE = 1/11/2018		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 5 OF 28 SHEETS STA. 143+00 TO STA. 151+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	28
CONTRACT NO. 76H45				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



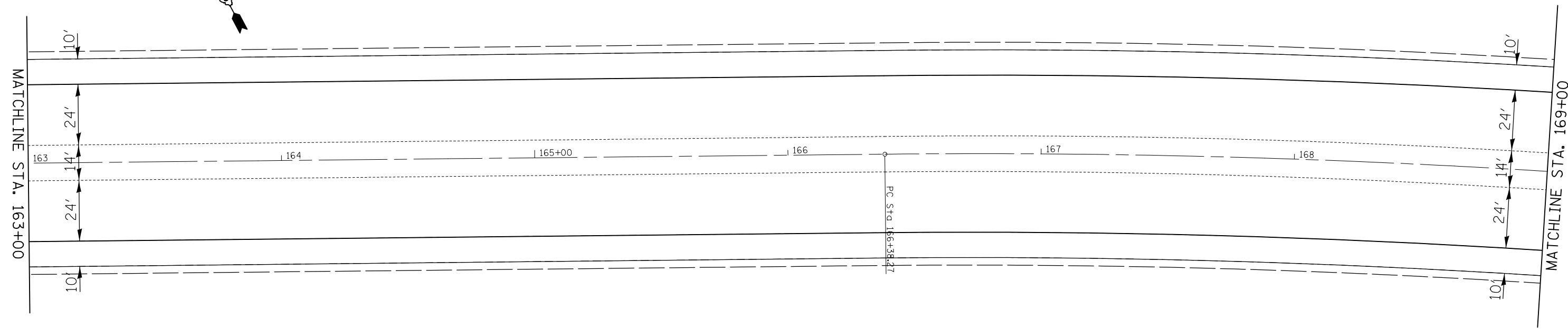
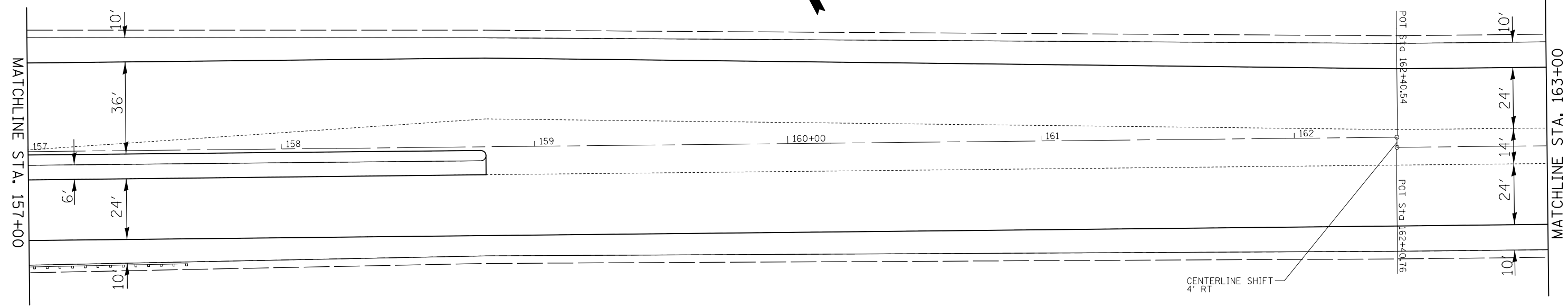
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	PLOT SCALE = 40.0000' / in.	DATE -	REVISED -
	PLOT DATE = 1/11/2018		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 6 OF 28 SHEETS STA. 151+00 TO STA. 157+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	29
CONTRACT NO. 76H45				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



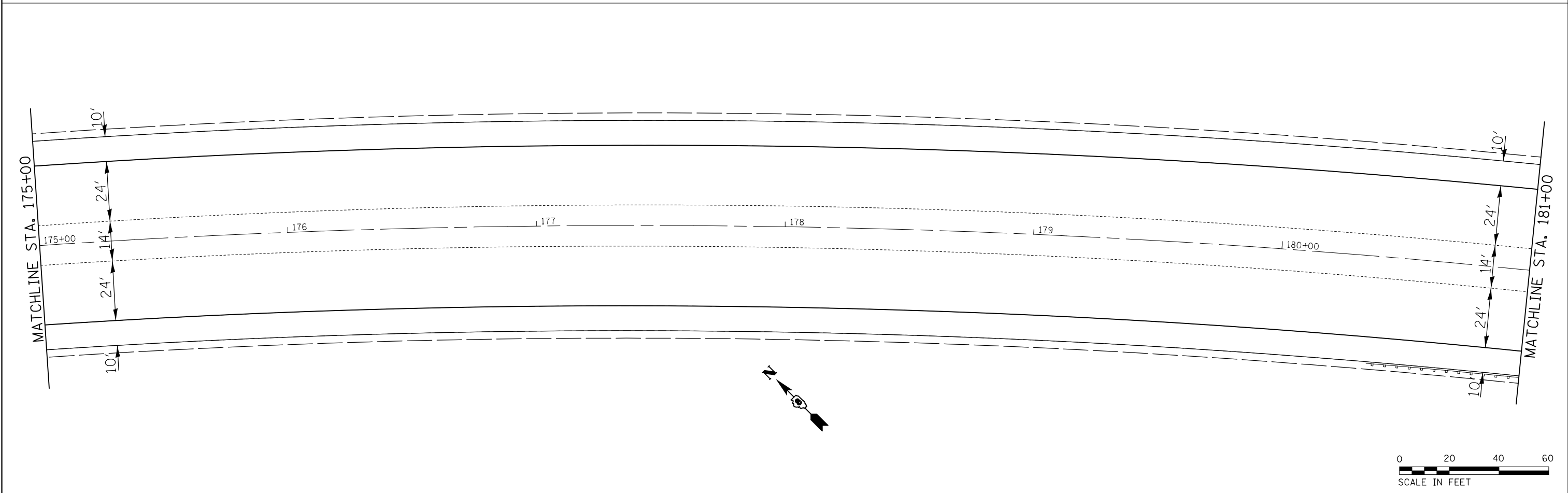
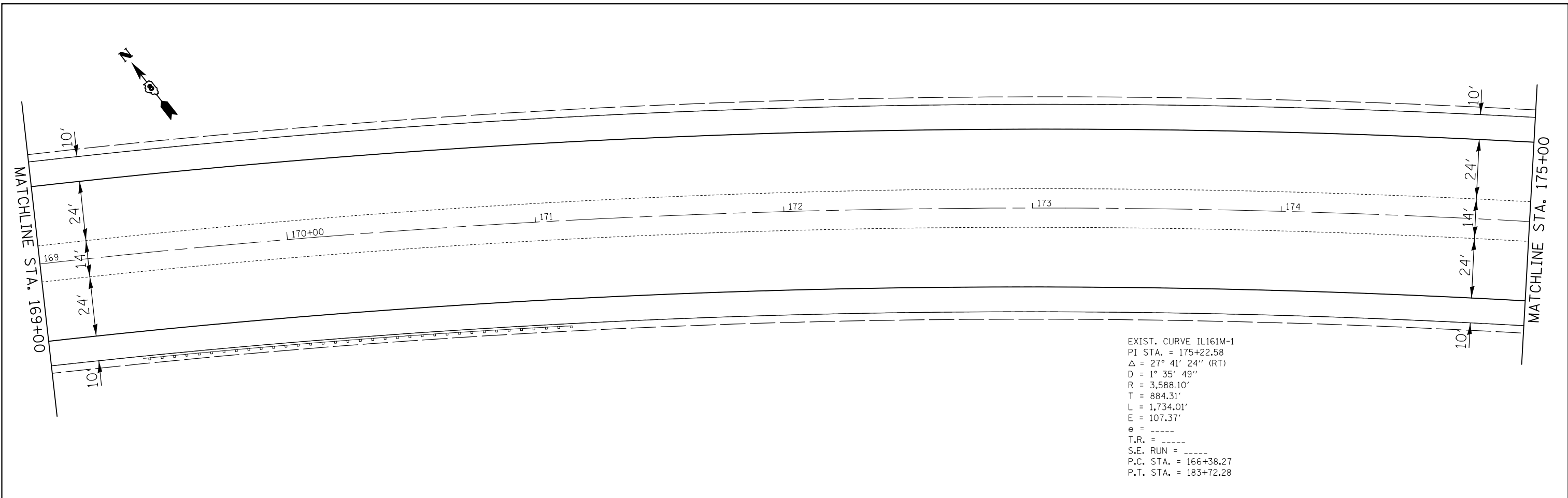
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	PLOT SCALE = 40.0000' / in.	DATE -	REVISED -
	PLOT DATE = 1/11/2018		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

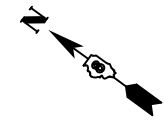
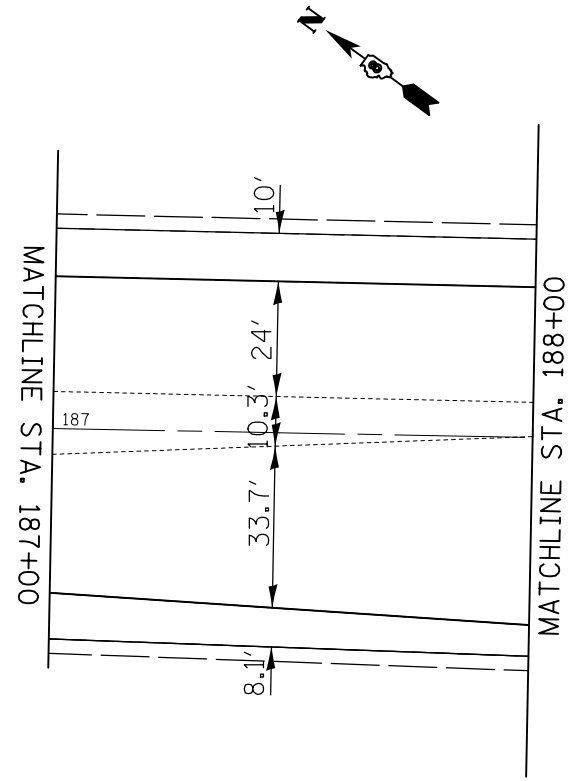
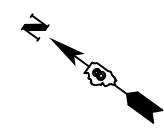
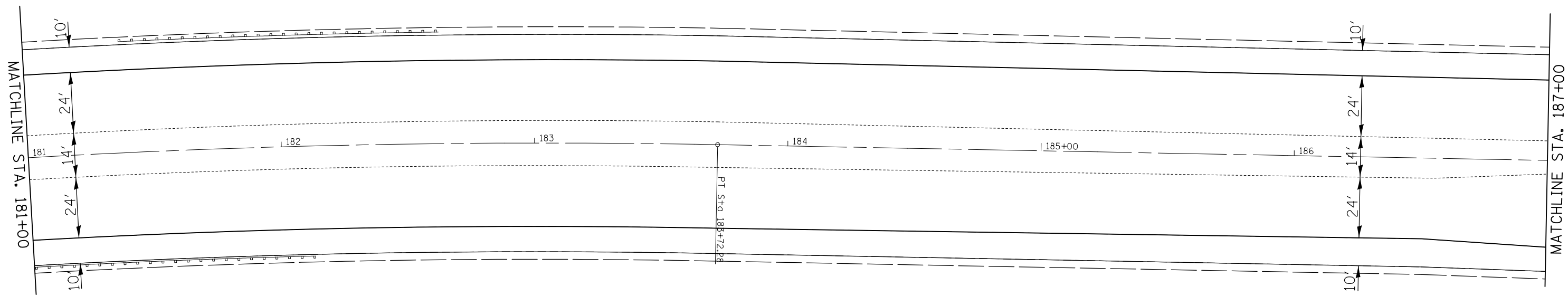
PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 7 OF 28 SHEETS STA. 157+00 TO STA. 169+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	30
CONTRACT NO. 76H45				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT SCALE = 40.0000' / in.	DATE -	REVISED -		SCALE: 1" = 20' SHEET NO. 8 OF 28 SHEETS STA. 169+00 TO STA. 181+00			CONTRACT NO. 76H45				
	PLOT DATE = 1/11/2018				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							



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	PLOT SCALE = 40.0000' / in.	DATE -	REVISED -
	PLOT DATE = 1/11/2018		

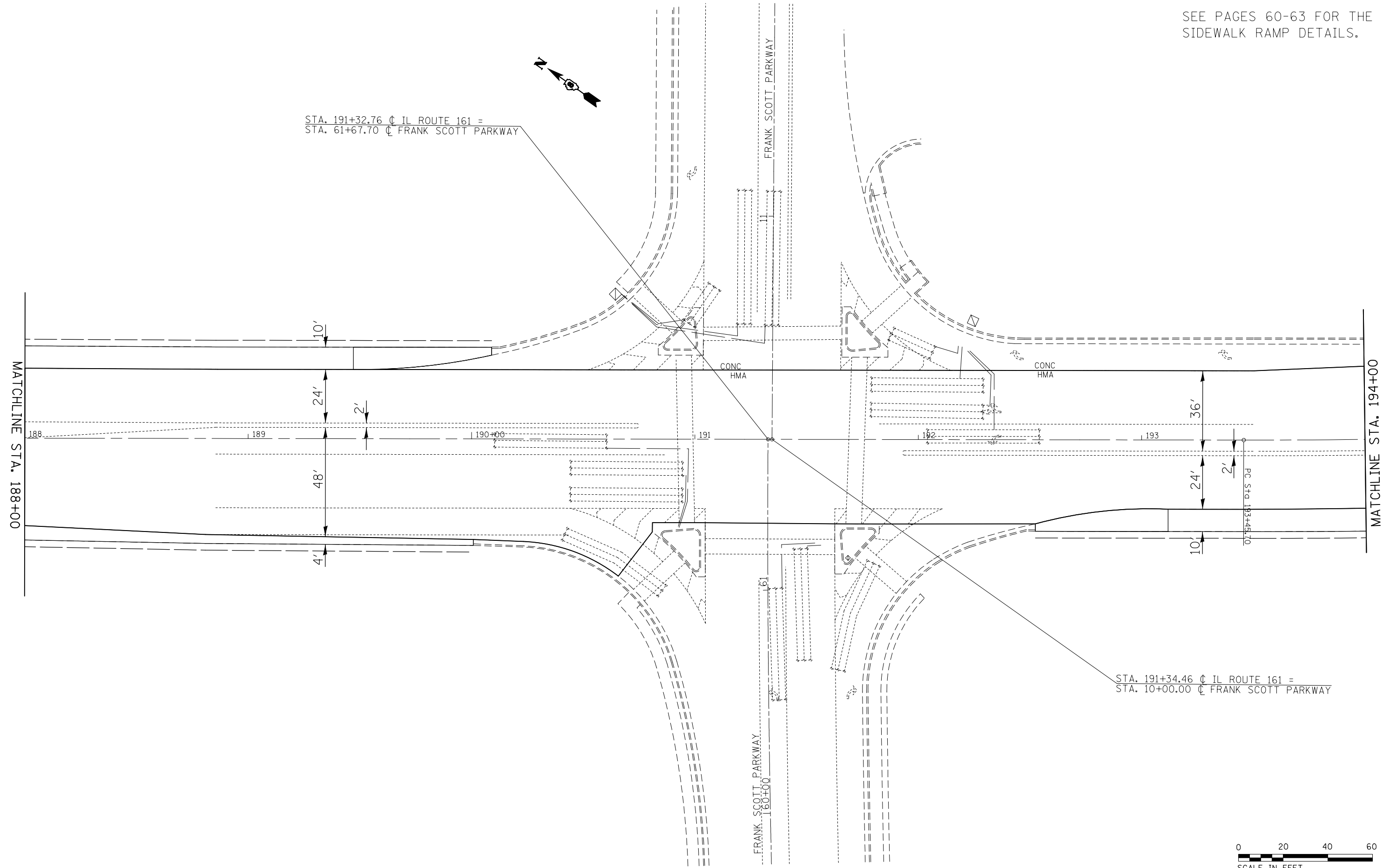
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 9 OF 28 SHEETS STA. 181+00 TO STA. 188+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	32
CONTRACT NO. 76H45				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SEE PAGES 60-63 FOR THE
SIDEWALK RAMP DETAILS.



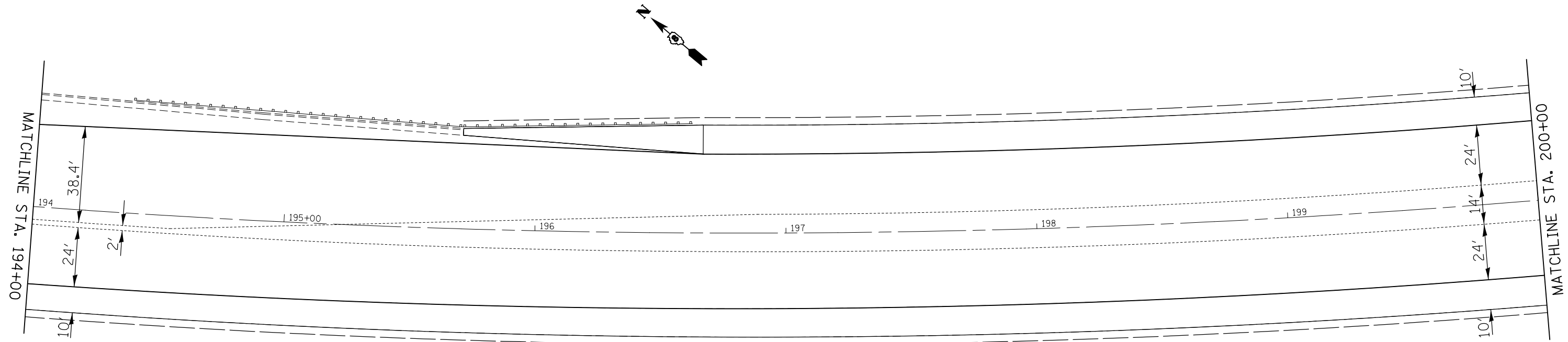
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/11/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

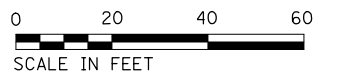
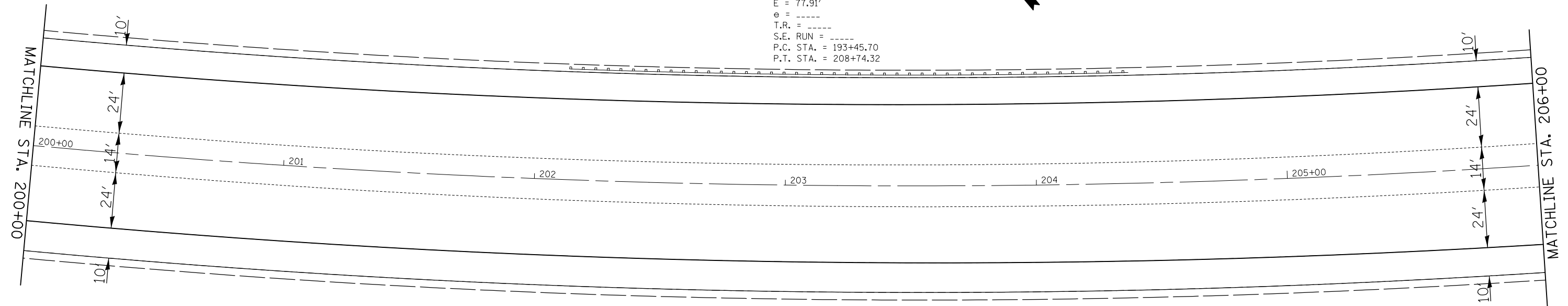
PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 10 OF 28 SHEETS STA. 188+00 TO STA. 194+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	33
CONTRACT NO. 76H45				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



EXIST. CURVE IL161M-2
 PI STA. = 201+20.44
 Δ = 22° 58' 16" (LT)
 D = 1° 30' 10"
 R = 3,812.86'
 T = 774.74'
 L = 1,528.62'
 E = 77.91'
 θ = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 193+45.70
 P.T. STA. = 208+74.32



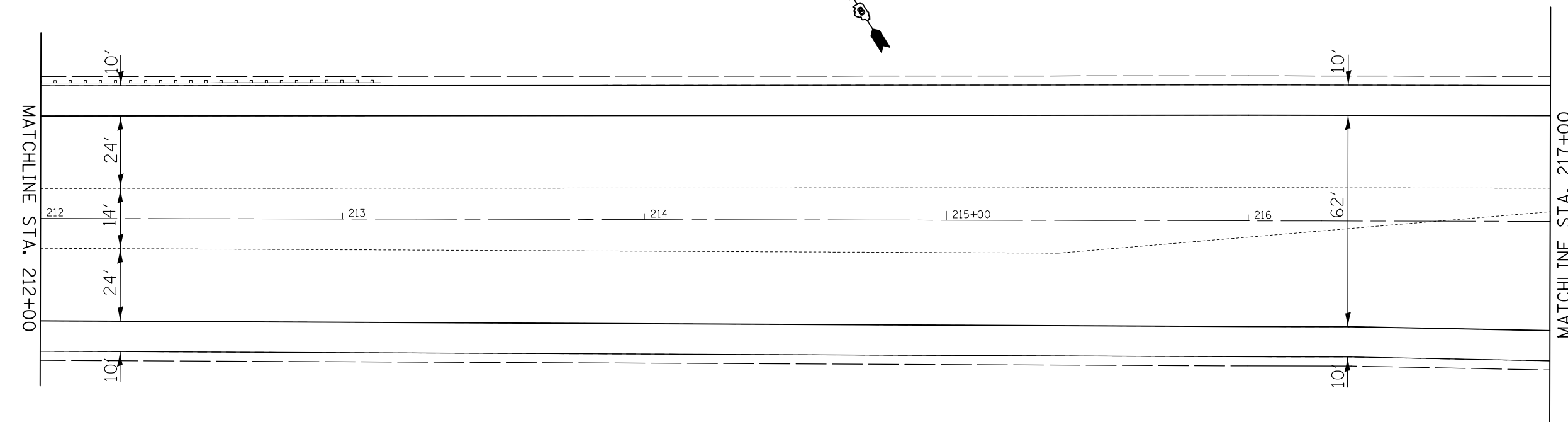
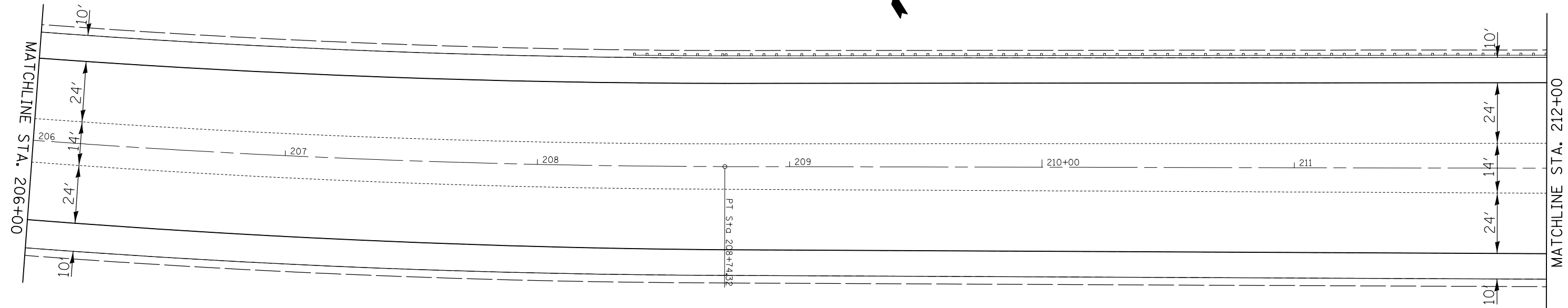
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 11 OF 28 SHEETS STA. 194+00 TO STA. 206+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	34
CONTRACT NO. 76H45				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -
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	PLOT DATE = 1/11/2018	DATE -	REVISED -

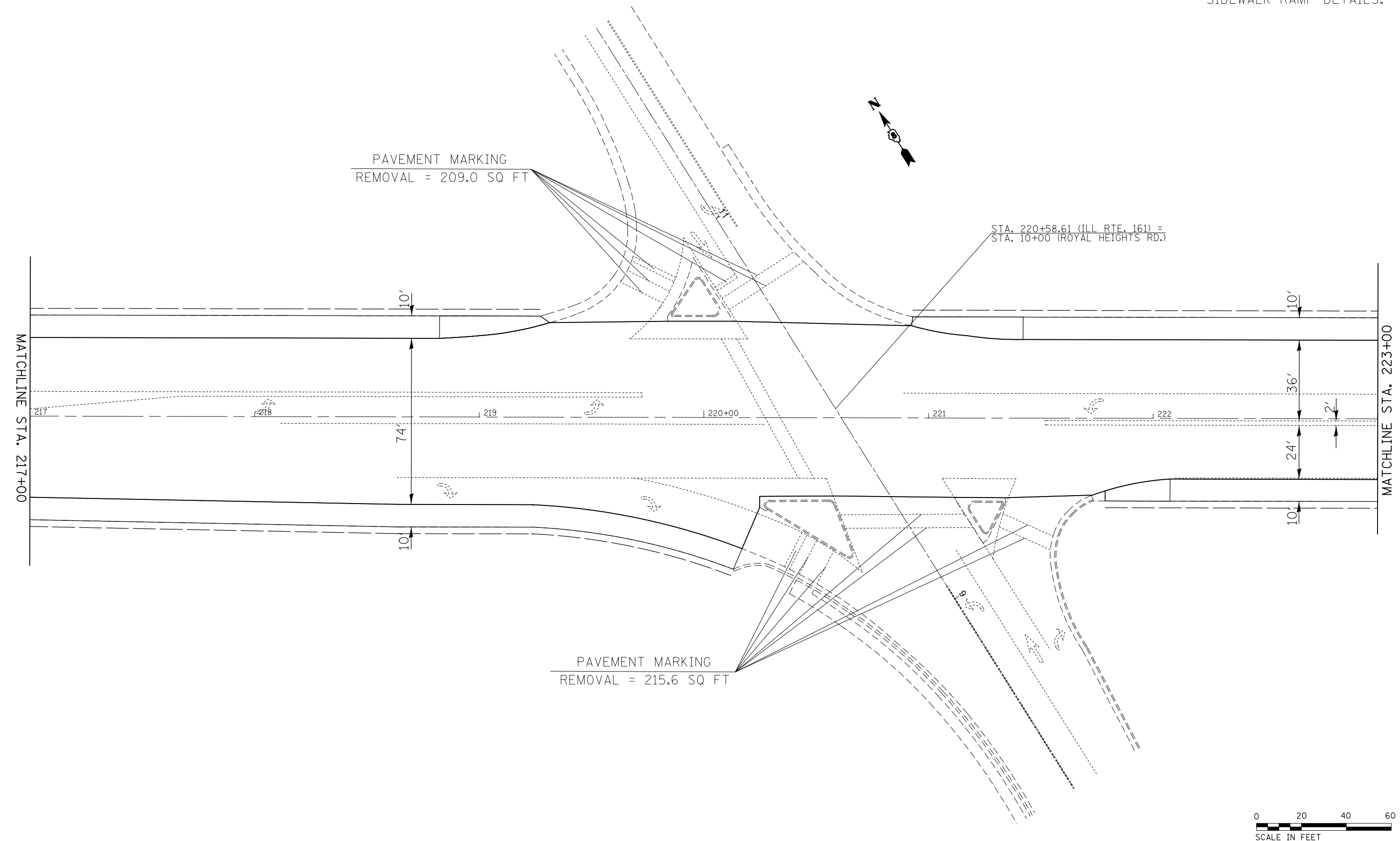
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 12 OF 28 SHEETS STA. 206+00 TO STA. 217+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	35
CONTRACT NO. 76H45				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SEE PAGES 64-67 FOR THE
SIDEWALK RAMP DETAILS.



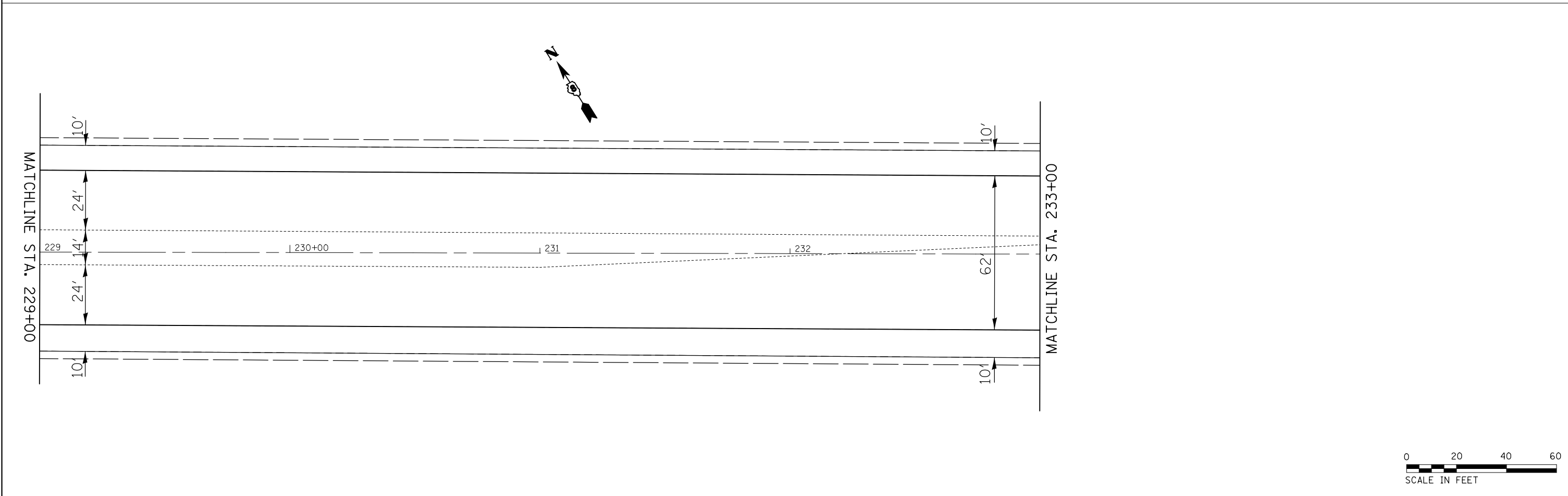
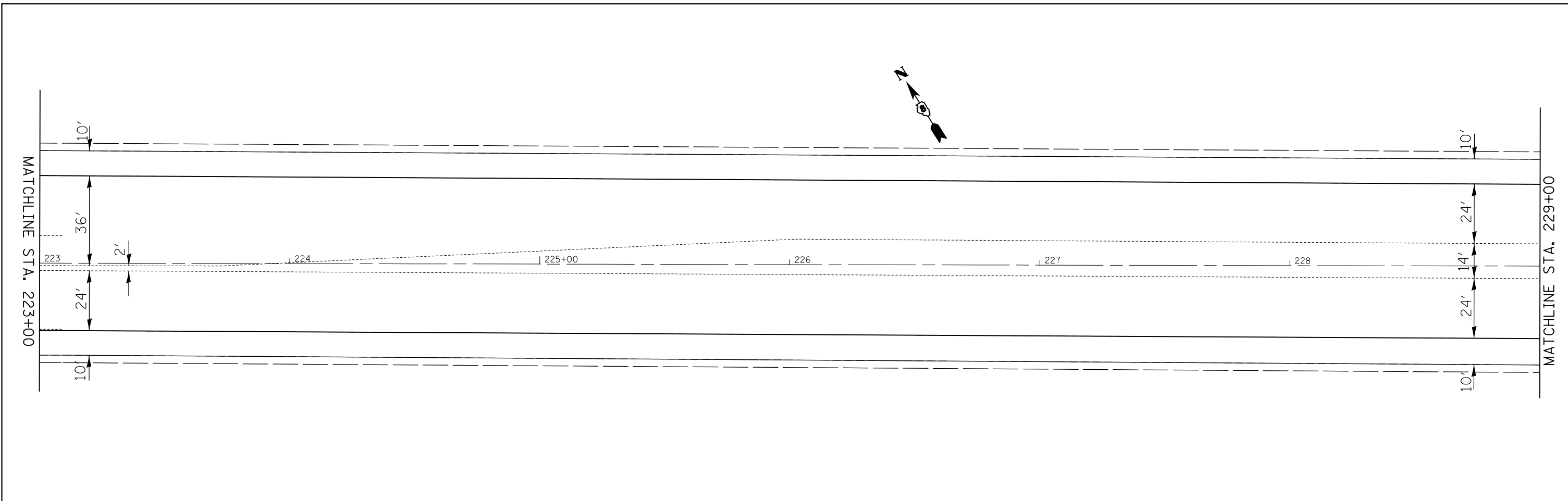
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/11/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

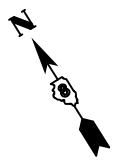
PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 13 OF 28 SHEETS STA. 217+00 TO STA. 223+00

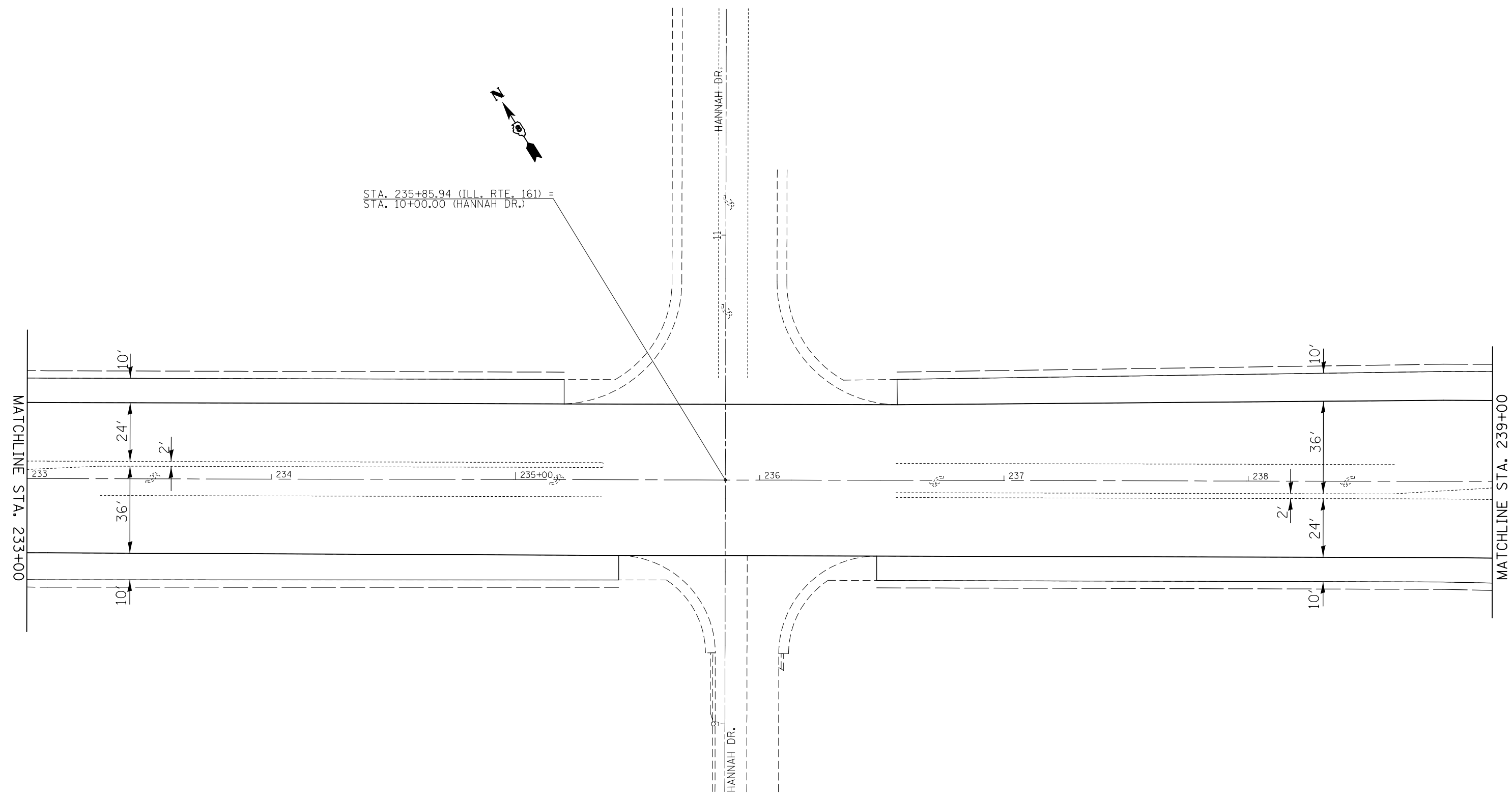
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	36
CONTRACT NO. 76H45				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		DATE -	REVISED -					CONTRACT NO. 76H45				
								FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



STA. 235+85.94 (ILL. RTE. 161) =
 STA. 10+00.00 (HANNAH DR.)



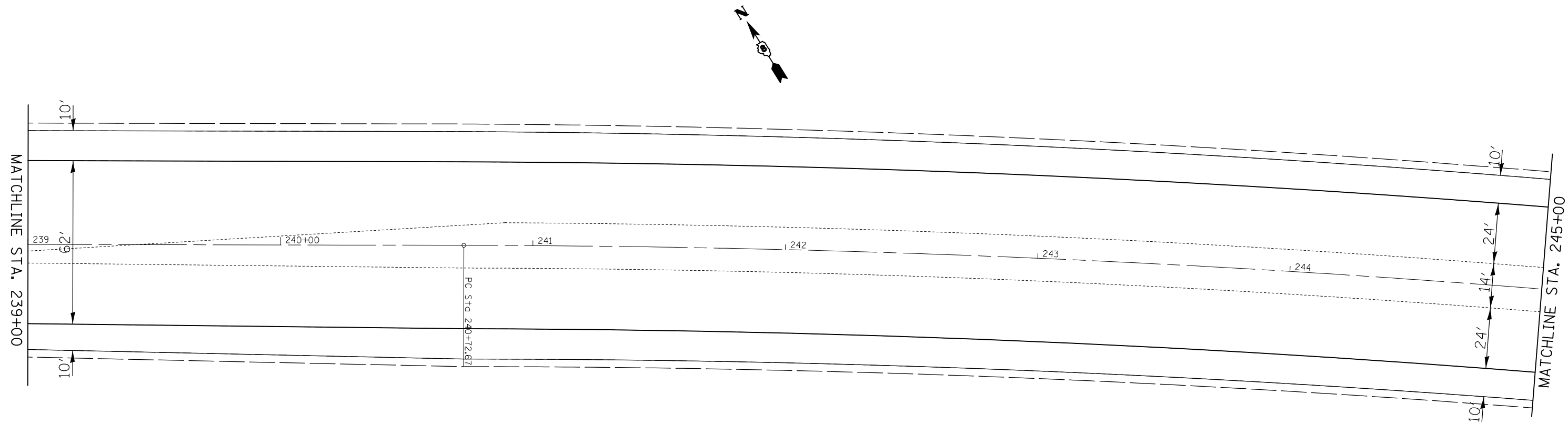
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	PLOT DATE = 1/11/2018		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

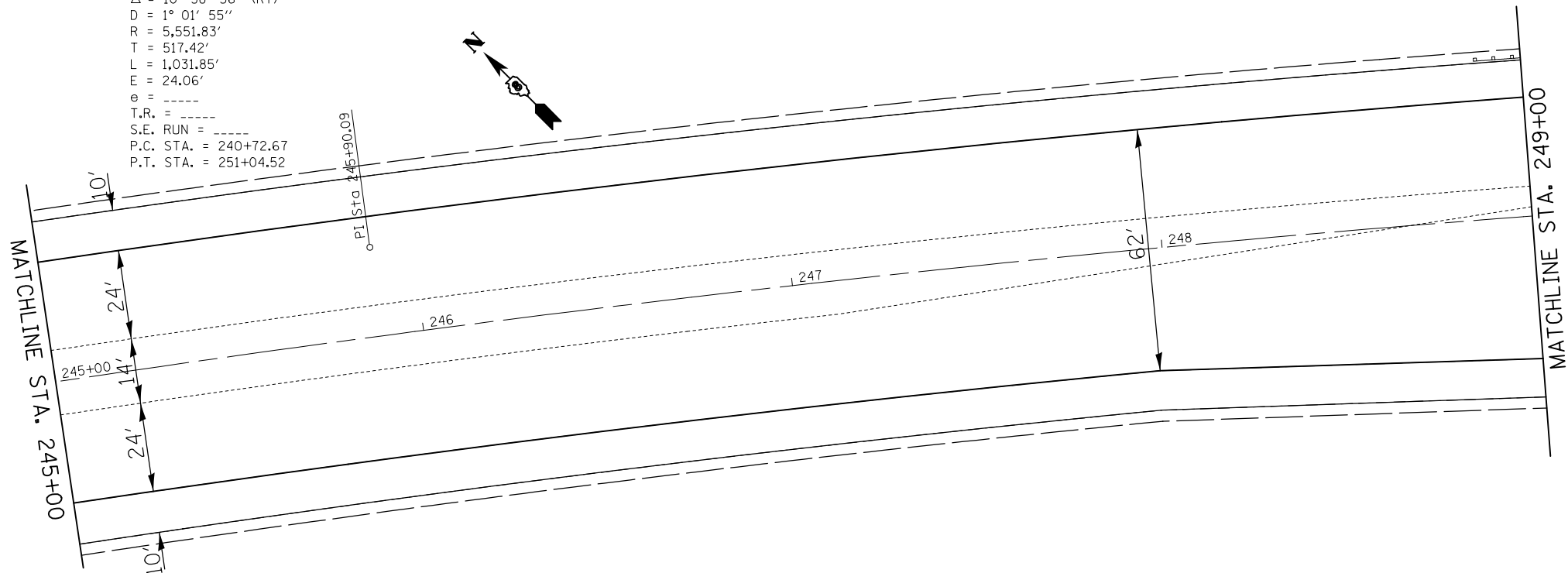
PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 15 OF 28 SHEETS STA. 233+00 TO STA. 239+00

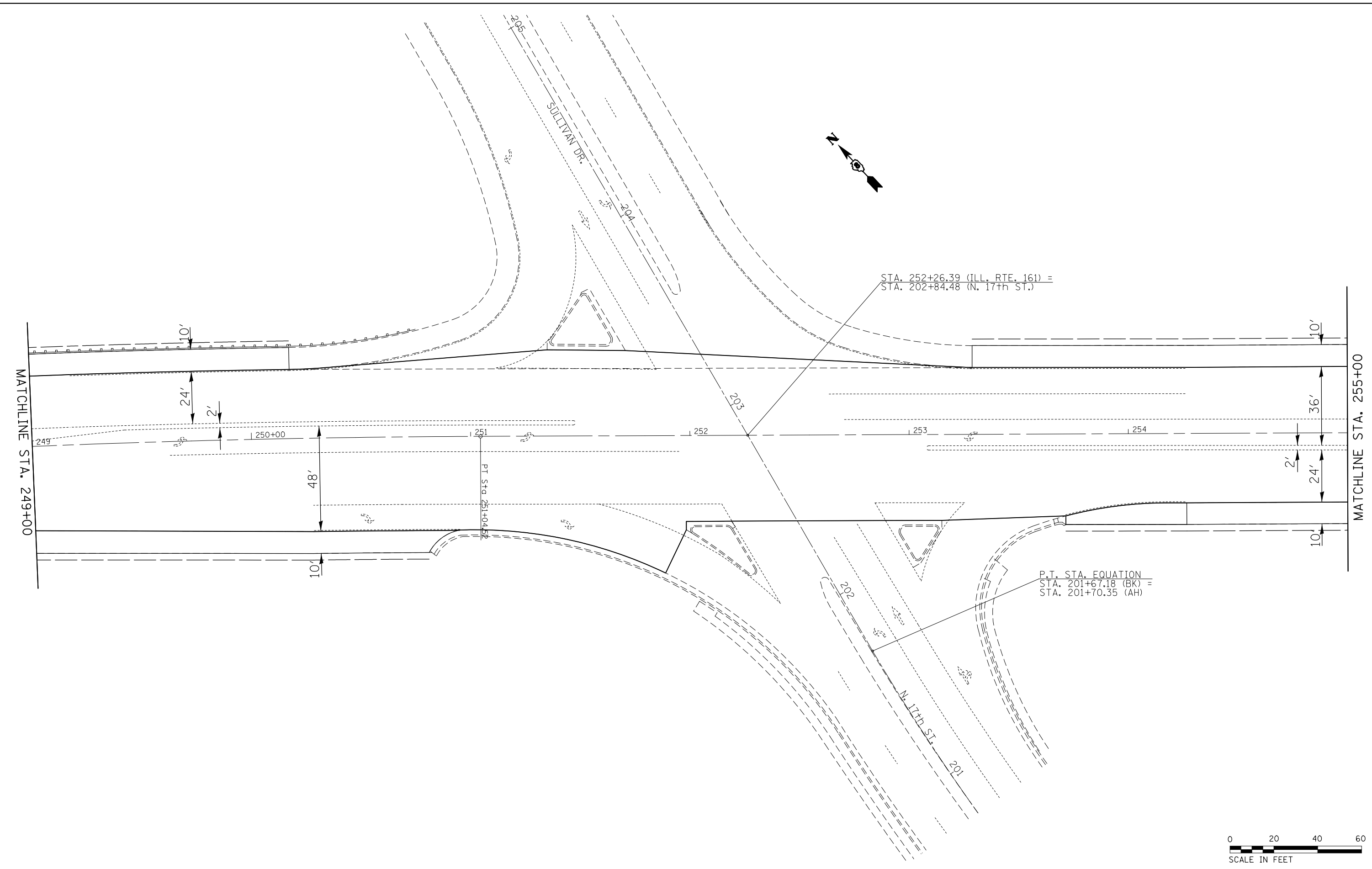
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	38
CONTRACT NO. 76H45				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



EXIST. CURVE IL161M-3
 PI STA. = 245+90.09
 $\Delta = 10^\circ 38' 56''$ (RT)
 $D = 1^\circ 01' 55''$
 $R = 5,551.83'$
 $T = 517.42'$
 $L = 1,031.85'$
 $E = 24.06'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 $P.C. \text{ STA.} = 240+72.67$
 $P.T. \text{ STA.} = 251+04.52$



FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 1/11/2018				FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT					



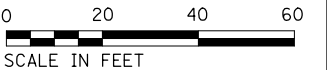
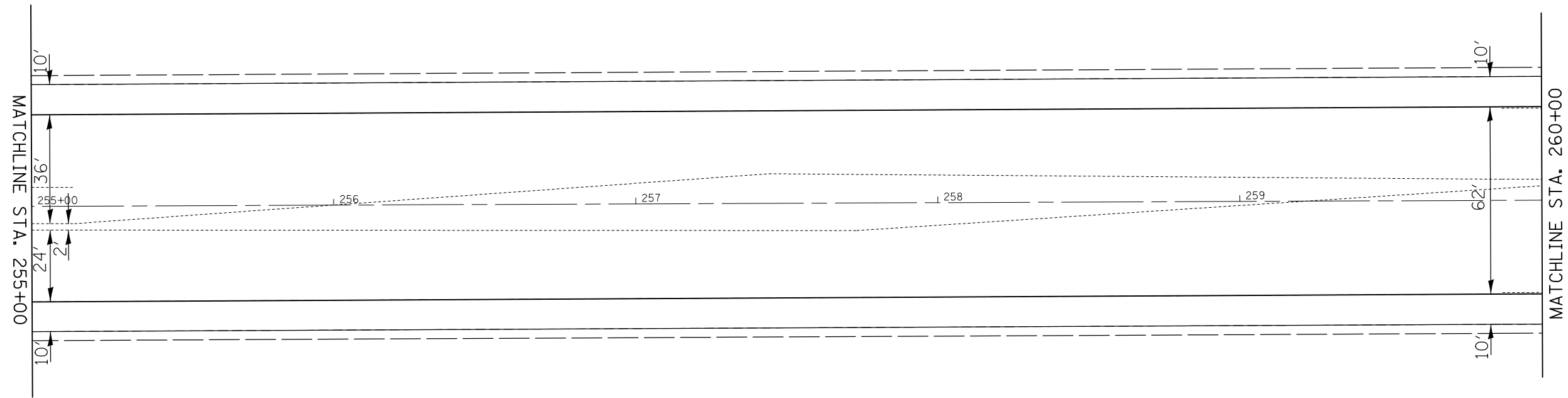
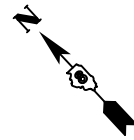
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	PLOT DATE = 1/11/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 17 OF 28 SHEETS STA. 249+00 TO STA. 255+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	40
CONTRACT NO. 76H45				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



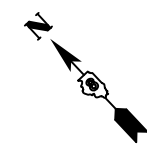
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	PLOT SCALE = 40.0000' / in.	DATE -	REVISED -
	PLOT DATE = 1/11/2018		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 18 OF 28 SHEETS STA. 255+00 TO STA. 260+00

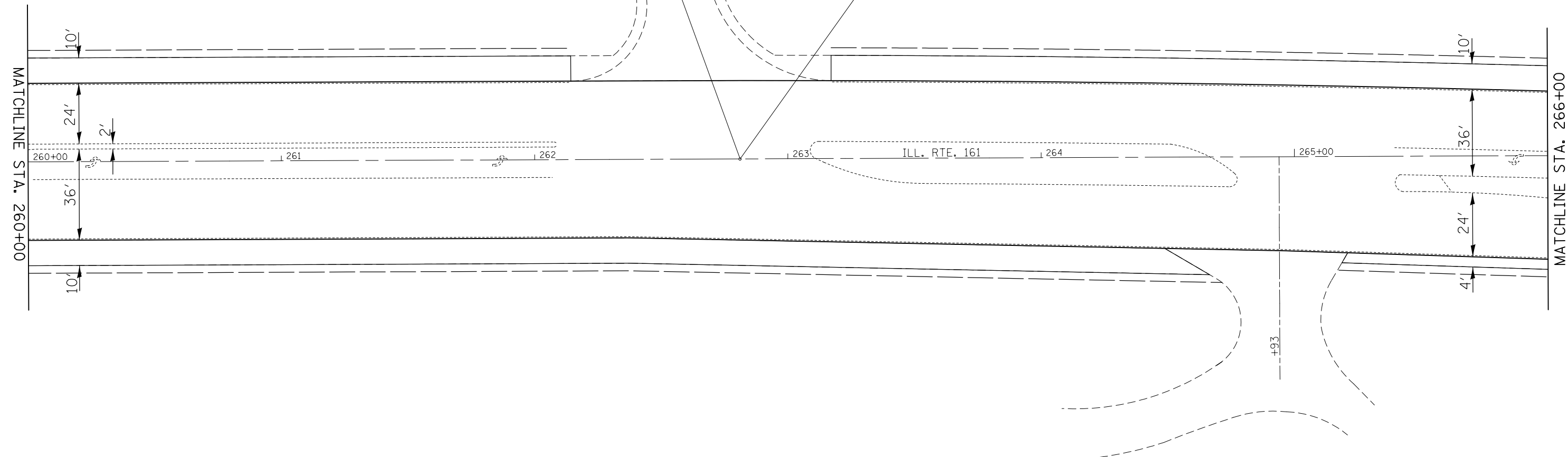
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	41
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76H45	



OLD CASEYVILLE RD.
12

11

STA. 262+81.14 (ILL. RTE. 161) =
STA. 10+00 (OLD CASEYVILLE RD.)



MATCHLINE STA. 260+00

MATCHLINE STA. 266+00



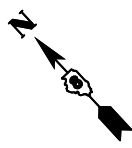
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

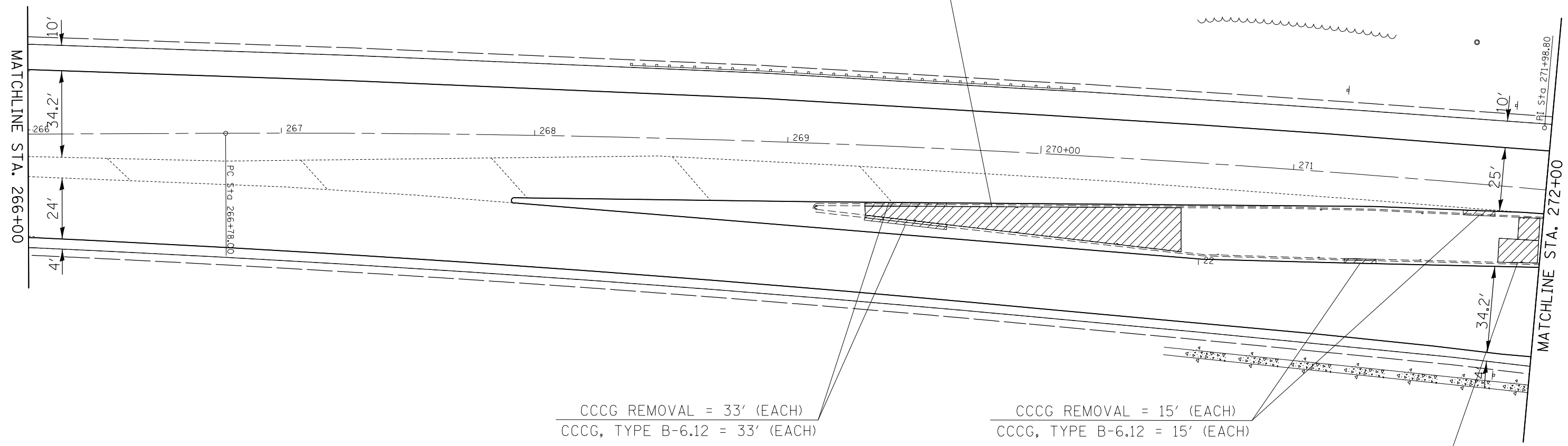
SCALE: 1" = 20' SHEET NO. 19 OF 28 SHEETS STA. 260+00 TO STA. 266+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	42
CONTRACT NO. 76H45				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



EXIST. CURVE IL161M-4
 PI STA. = 271+98.80
 $\Delta = 10^\circ 43' 05''$ (RT)
 D = $1^\circ 01' 55''$
 R = 5,551.83'
 T = 520.80'
 L = 1,038.55'
 E = 24.37'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 266+78.00
 P.T. STA. = 277+16.54

CONCRETE MEDIAN SURFACE REMOVAL = 1281 SQ FT
 CONCRETE MEDIAN SURFACE, 4" = 1281 SQ FT



CCCG REMOVAL = 33' (EACH)
 CCCG, TYPE B-6.12 = 33' (EACH)

CCCG REMOVAL = 15' (EACH)
 CCCG, TYPE B-6.12 = 15' (EACH)

CONCRETE MEDIAN SURFACE REMOVAL = 192 SQ FT
 CONCRETE MEDIAN SURFACE, 4" = 192 SQ FT



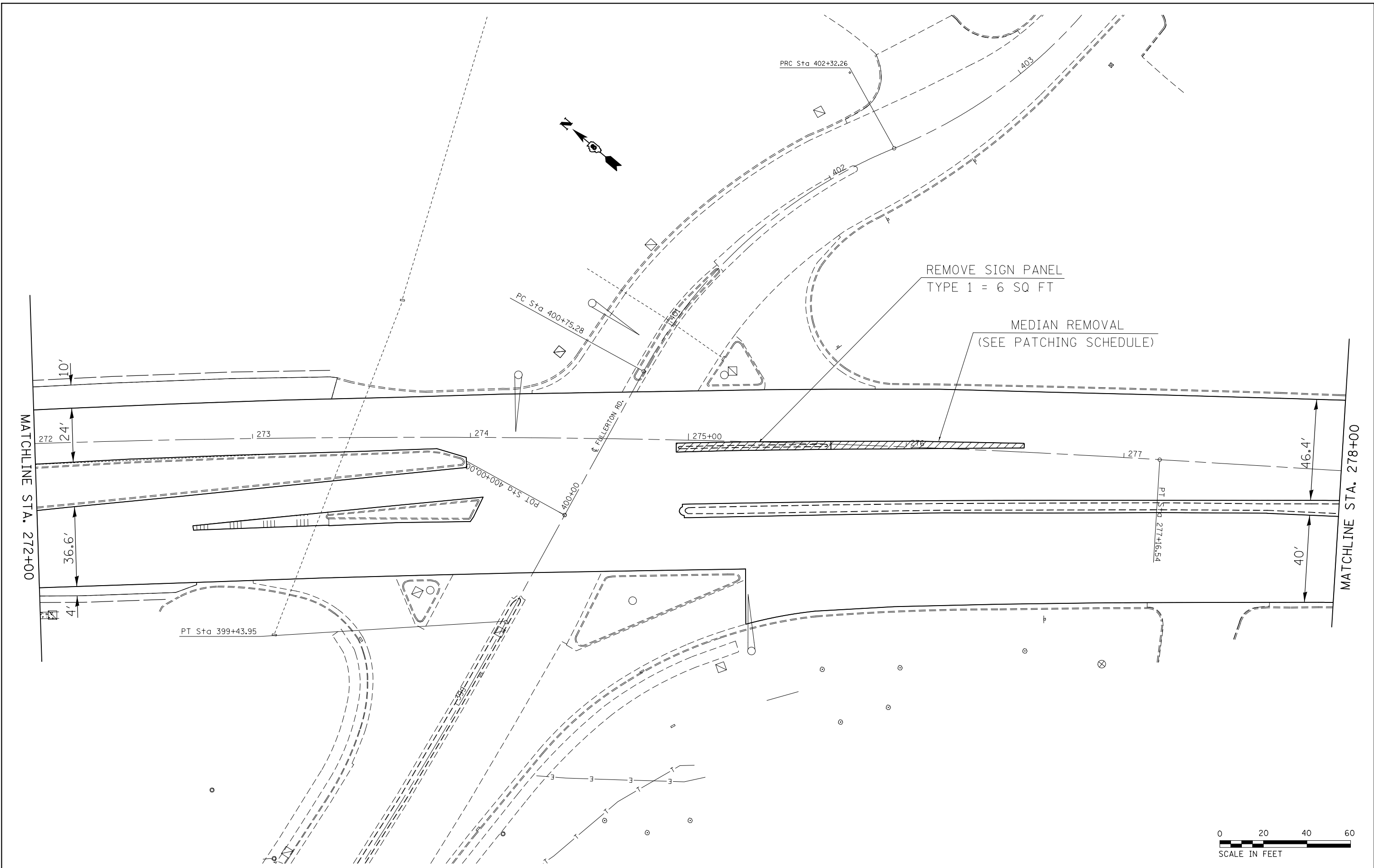
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	PLOT DATE = 1/11/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 20 OF 28 SHEETS STA. 266+00 TO STA. 272+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	43
CONTRACT NO. 76H45				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



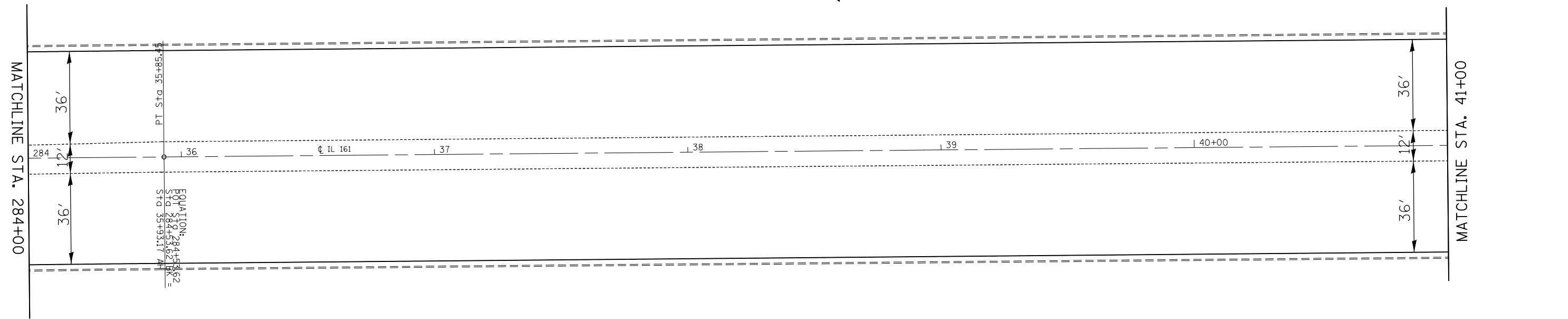
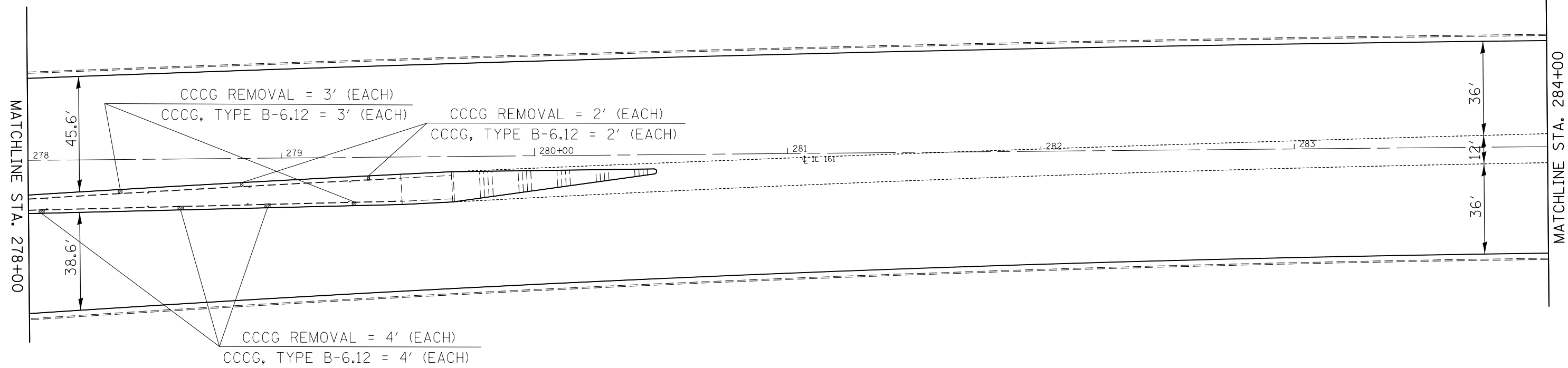
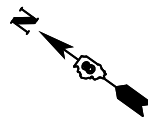
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/11/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 21 OF 28 SHEETS STA. 272+00 TO STA. 278+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	44
CONTRACT NO. 76H45				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



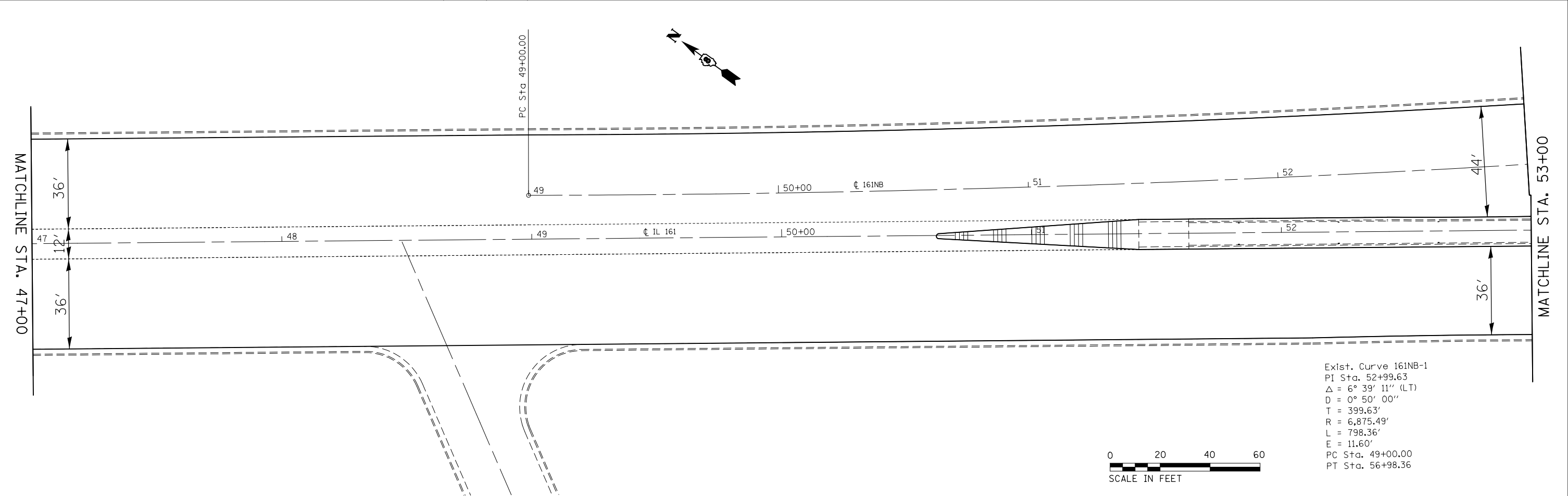
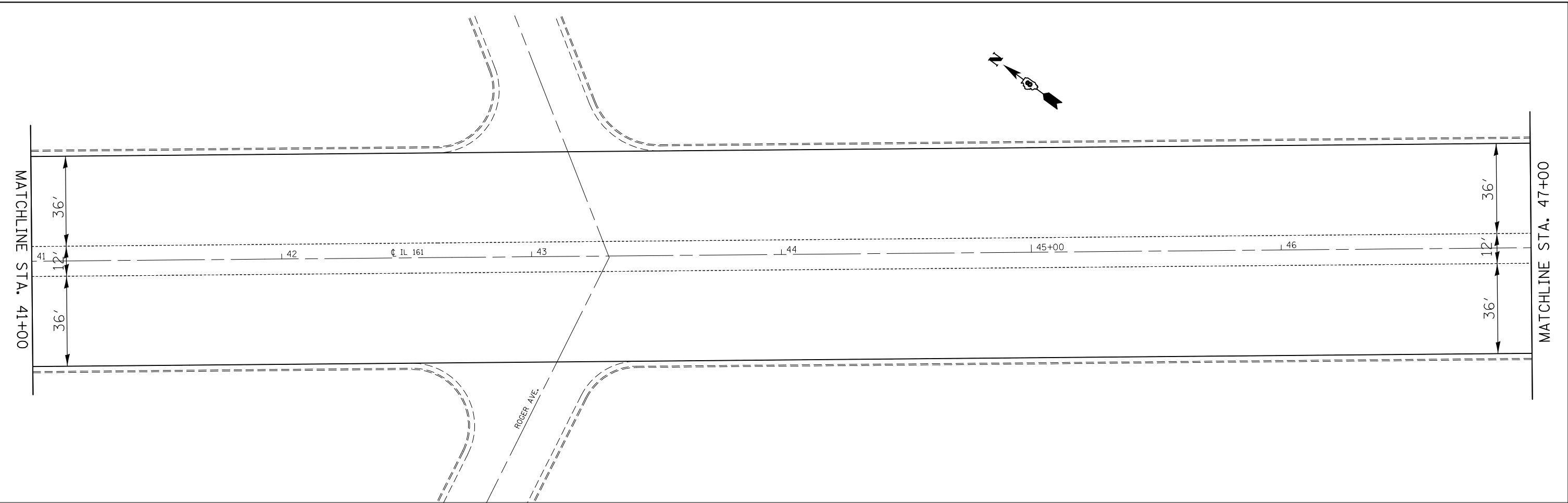
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	PLOT SCALE = 40.0000' / in.	DATE -	REVISED -
	PLOT DATE = 1/11/2018		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 22 OF 28 SHEETS STA. 278+00 TO STA. 41+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	45
CONTRACT NO. 76H45				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

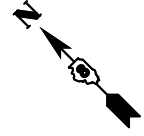


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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

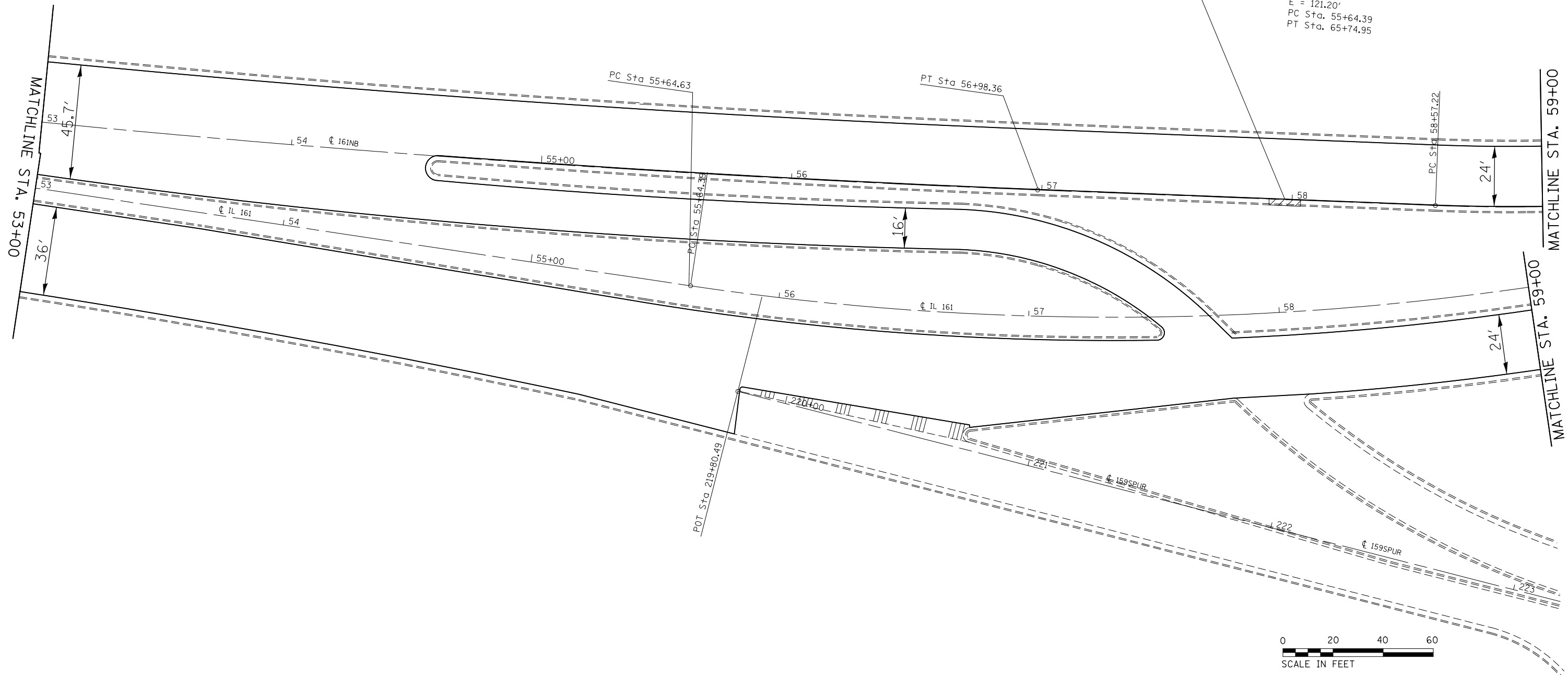
PLAN SHEETS		
SCALE: 1" = 20'	SHEET NO. 23 OF 28 SHEETS	STA. 41+00 TO STA. 53+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	46
CONTRACT NO. 76H45				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



CCCG REMOVAL = 15'
 CCCG, TYPE B-6.12 = 15'

Exist. Curve C1
 PI Sta. 61+05.18
 $\Delta = 50^\circ 31' 40''$ (LT)
 $D = 5^\circ 00' 00''$
 $T = 540.79'$
 $R = 1,145.92'$
 $L = 1,010.56'$
 $E = 121.20'$
 PC Sta. 55+64.39
 PT Sta. 65+74.95



FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 8\Projects\0875\DRAWING\DATA\EA0\sheets\d876h45-sht-plan.dwg		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/11/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

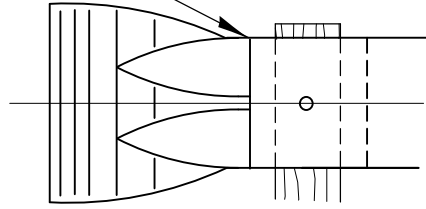
PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 24 OF 28 SHEETS STA. 53+00 TO STA. 59+00

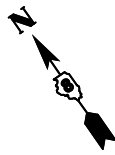
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	47
CONTRACT NO. 76H45				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

END SECTION DETAIL

Lap rail over end section



*END SECTION FOR RADIUS RAIL, COST INCLUDED WITH STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS



EXIST. CURVE C1
 PI STA. = 61+05.18
 $\Delta = 50^\circ 31' 40''$ (LT)
 $D = 5^\circ 00' 00''$
 $R = 1,145.92'$
 $T = 540.79'$
 $L = 1,010.56'$
 $E = 121.20'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 P.C. STA. = 55+64.39
 P.T. STA. = 65+74.95

PAVEMENT MARKING
 REMOVAL = 8.8 SQ FT

CCCG REMOVAL = 5'
 CCCG, TYPE B-6.12 = 5'

MEDIAN REMOVAL = 140 SQ FT (TOTAL)
 CONC. MEDIAN, TYPE SB-6.12 = 140 SQ FT (TOTAL)

PCC SURFACE REMOVAL -
 BUTT JOINT = 41 SQ YD

CCCG REMOVAL = 101' (TOTAL)
 CCCG, TYPE B-6.12 = 101' (TOTAL)

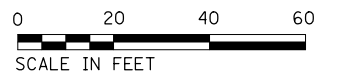
GUARDRAIL
 REMOVAL = 240'

STEEL BEAM PLATE GUARDRAIL, TYPE A, 6' POSTS = 12.5'
 (5' RADIUS) WITH END SECTION (SEE END SECTION DETAIL)

GUARDRAIL
 REMOVAL = 142'

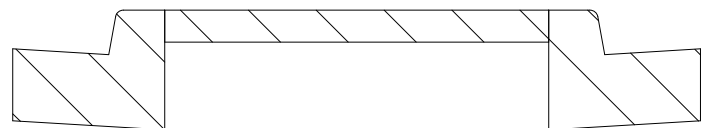
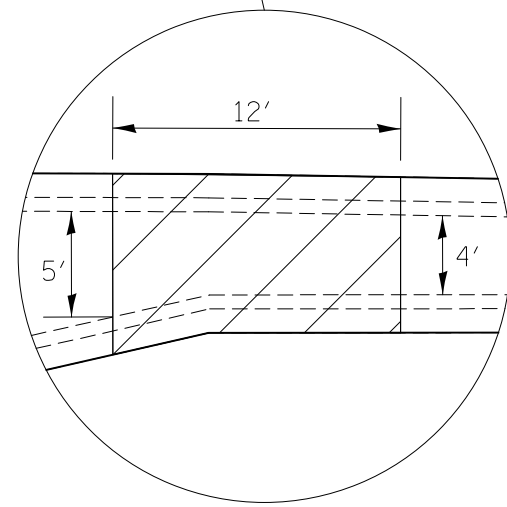
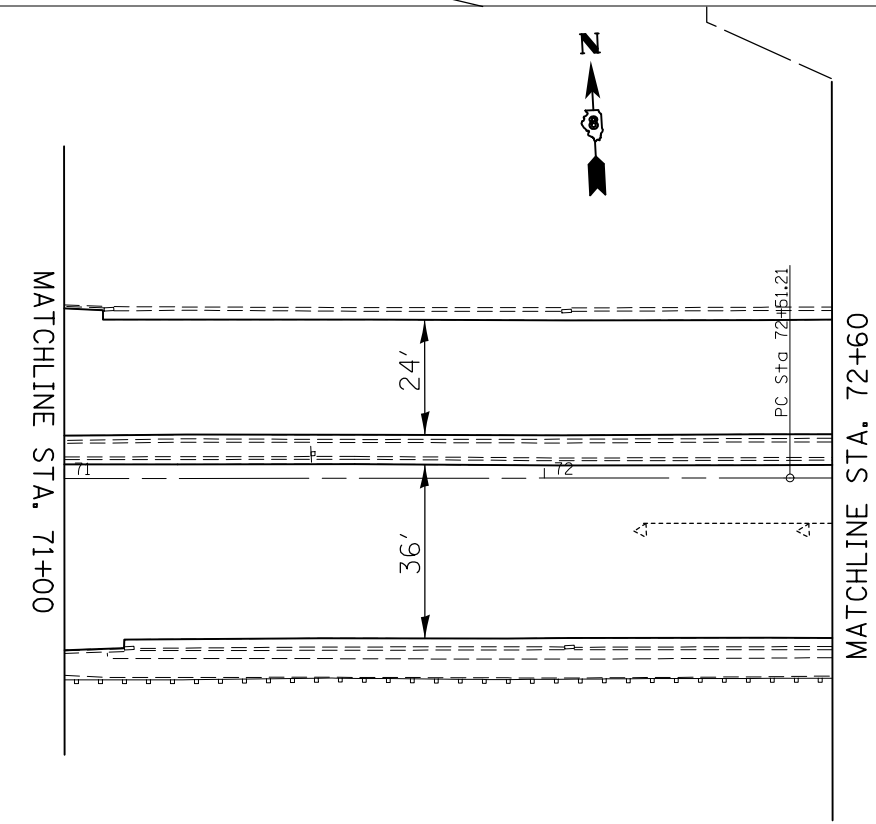
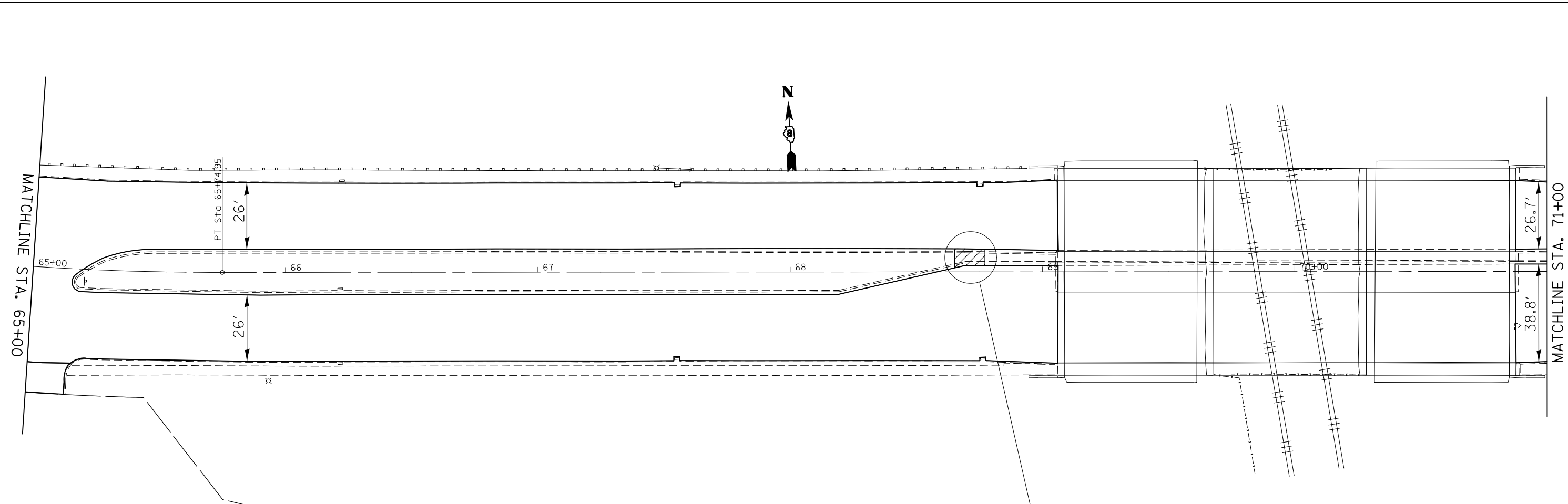
STEEL BEAM PLATE GUARDRAIL, TYPE A, 6' POSTS = 75'
 GUARDRAIL REFLECTORS = 4 EA (OVER ENTIRE RUN)

TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED = 1 EA
 TERMINAL MARKER - DIRECT APPLIED = 1 EA



Exist. Curve MORGAN-1
 PI Sta. 304+87.44
 $\Delta = 45^\circ 38' 15''$ (LT)
 $D = 25^\circ 00' 01''$
 $T = 96.43'$
 $R = 229.18'$
 $L = 182.55'$
 $E = 19.46'$
 PC Sta. 303+91.02
 PT Sta. 305+73.56

FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\1\084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 8\Projects\0875\DRAWING\DATA\EA0\sheet\0875\sh-plant\0875\sh-plant.dwg		CHECKED -	REVISED -		SCALE: 1" = 20'	SHEET NO. 25 OF 28 SHEETS	STA. 59+00 TO STA. 65+00	805	146RS-4,122RS-2	ST. CLAIR	74	48
PLOT SCALE = 48.0000' / in.		DATE -	REVISED -					CONTRACT NO. 76H45				
PLOT DATE = 1/11/2018								FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



NOTE: ANY EXCAVATION OR EMBANKMENT REQUIRED TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE PRICE PER SQ FT FOR MEDIAN REMOVAL.

CONCRETE MEDIAN SURFACE REMOVAL = 50 SQ FT
 CONCRETE MEDIAN SURFACE, 4" = 50 SQ FT
 CCCG REMOVAL = 24'
 CCCG, TYPE B-6.12 = 24'



FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG.illinois.gov\PIDOT\Documents\IDOT Offices\District 8\Projects\0875\DRAWING\DATA\EA0\sheets\d876h45-sht-plan.dwg		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/11/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 26 OF 28 SHEETS STA. 65+00 TO STA. 72+60

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	49
CONTRACT NO. 76H45				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

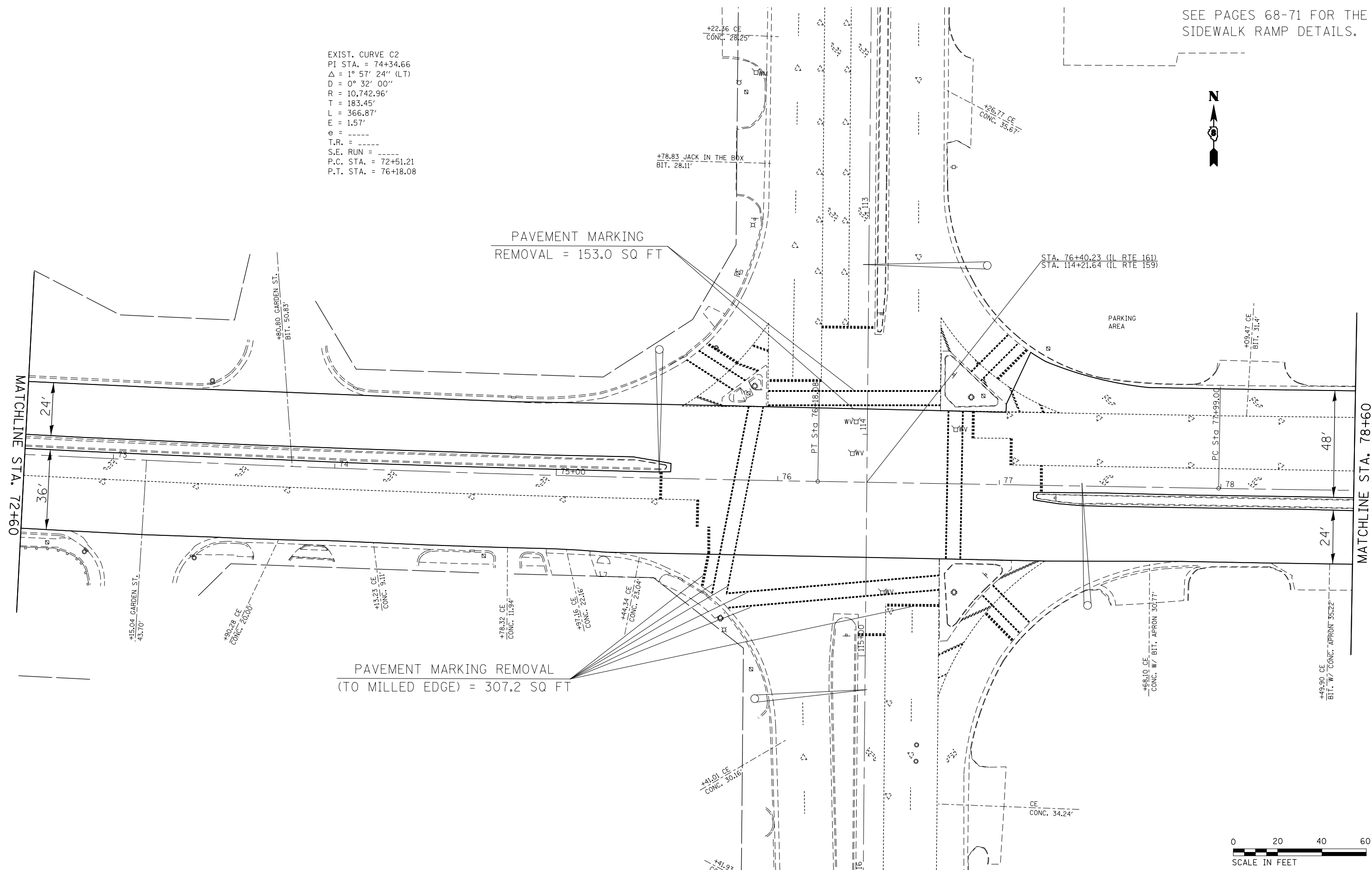
SEE PAGES 68-71 FOR THE
SIDEWALK RAMP DETAILS.

EXIST. CURVE C2
PI STA. = 74+34.66
 $\Delta = 1^\circ 57' 24''$ (LT)
D = $0^\circ 32' 00''$
R = 10,742.96'
T = 183.45'
L = 366.87'
E = 1.57'
e = ----
T.R. = ----
S.E. RUN = ----
P.C. STA. = 72+51.21
P.T. STA. = 76+18.08



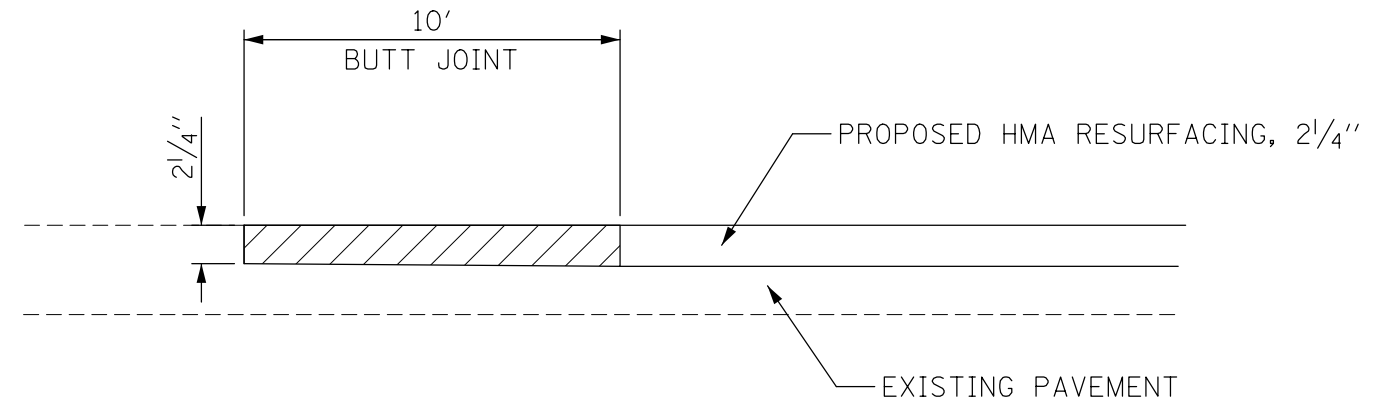
PAVEMENT MARKING
REMOVAL = 153.0 SQ FT

PAVEMENT MARKING REMOVAL
(TO MILLED EDGE) = 307.2 SQ FT

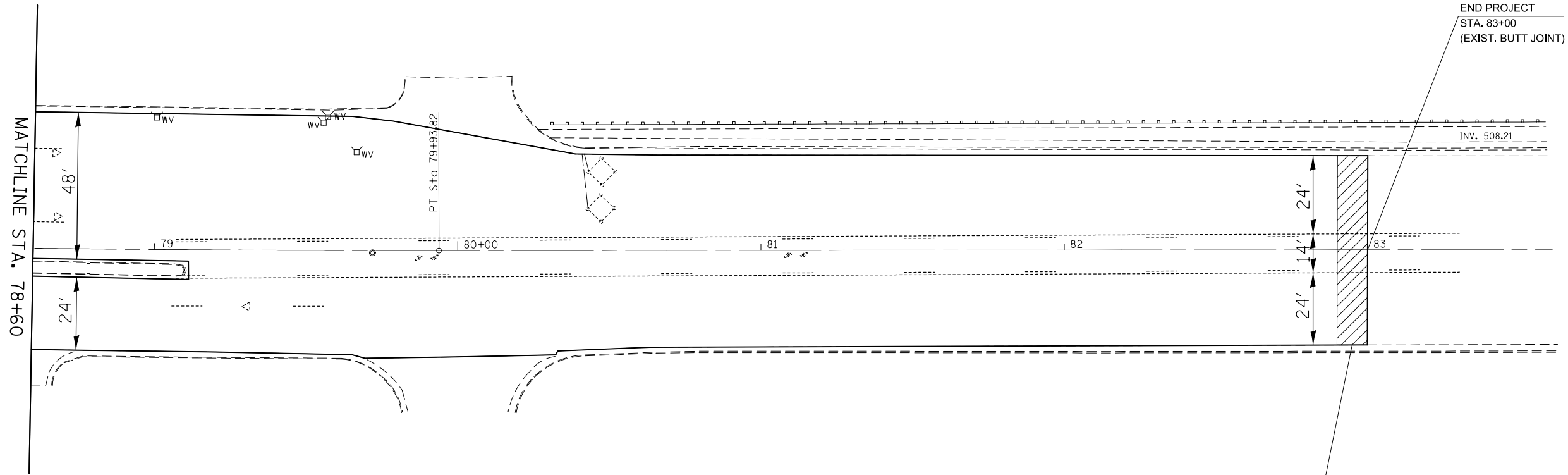


FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS			F.A.P. RTE. 805	SECTION 146RS-4,122RS-2	COUNTY ST. CLAIR	TOTAL SHEETS 74	SHEET NO. 50
DRAWN					REVISED -	SCALE: 1" = 20'	SHEET NO. 27 OF 28 SHEETS	STA. 72+60 TO STA. 78+60	CONTRACT NO. 76H45			
PLOT SCALE = 40.0000' / in.					CHECKED -	REVISED -						
PLOT DATE = 1/11/2018					DATE -	REVISED -						

EXIST. CURVE C3
 PI STA. = 78+96.41
 $\Delta = 1^\circ 02' 21''$ (LT)
 $D = 0^\circ 32' 00''$
 $R = 10,742.94'$
 $T = 97.41'$
 $L = 194.82'$
 $E = 0.44'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 P.C. STA. = 77+99.00
 P.T. STA. = 79+93.82



BUTT JOINT - HMA
 (ELEVATION VIEW)
 NOT TO SCALE



HMA SURFACE REMOVAL -
 BUTT JOINT = 68.9 SQ YD



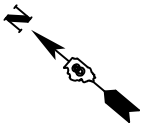
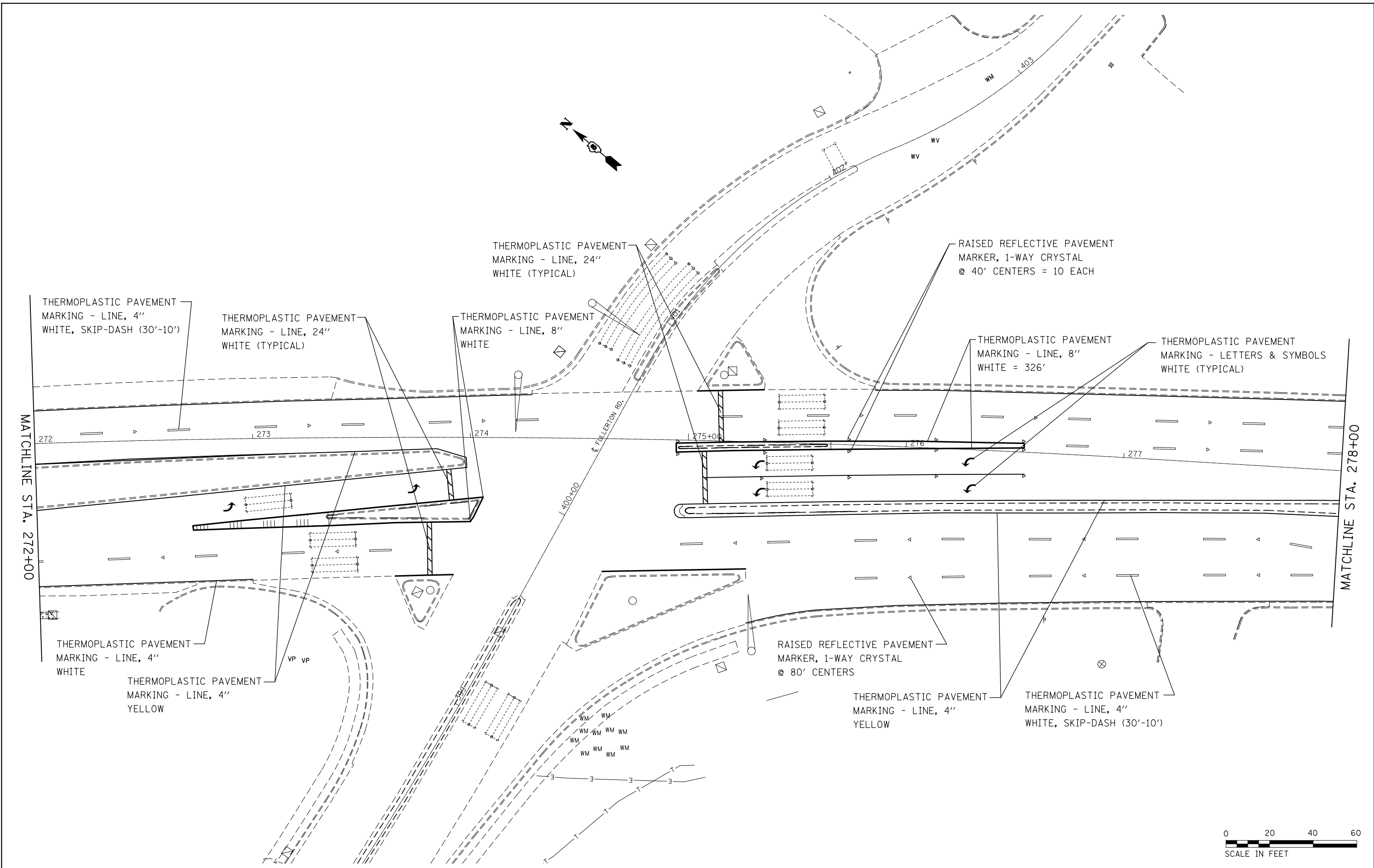
FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/11/2018	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 28 OF 28 SHEETS STA. 78+60 TO STA. 83+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	51
CONTRACT NO. 76H45				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -
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	PLOT DATE = 1/25/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAIL FOR MEDIAN REMOVAL

SCALE: 1" = 20' SHEET NO. 1 OF 1 SHEET STA. 272+00 TO STA. 278+00

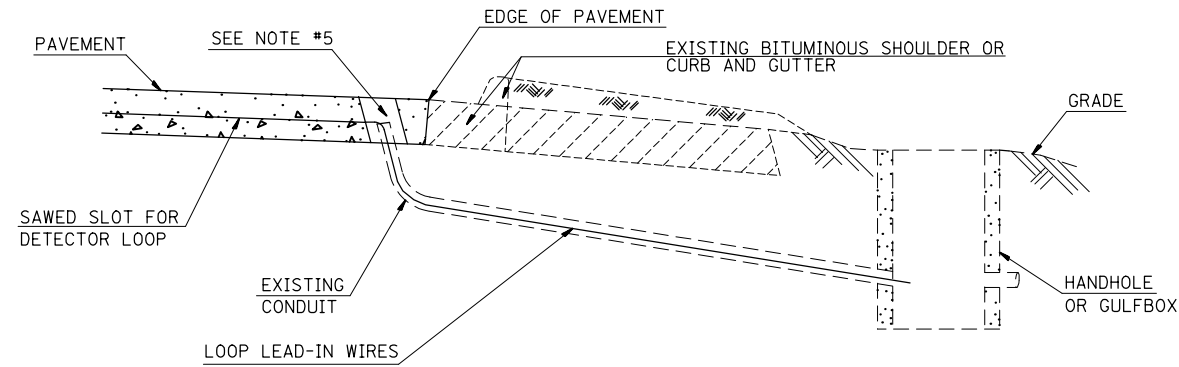
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	52
CONTRACT NO. 76H45				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

NOTES:

SEE TABLE "DETECTOR LOOP REQUIREMENTS AND CALCULATIONS"
FOR LOOP SIZE AND CALCULATED NUMBER OF TURNS.

SEE "DETAIL A" FOR INSTALLING DETECTOR LOOP WIRES
IN EXISTING CONDUITS.

SCHEDULE OF QUANTITIES		TOTAL QUANTITIES	IL 161 & CARSON DR.	IL 161 & F. S. PRKWY.	IL 161 & ROYAL HGTS. RD.	IL 161 & 17TH ST./SULLIVAN RD.	IL 161 & N. BELT W./FULLERTON RD.	IL 161 & IL 159
80300100	LOCATING UNDERGROUND CABLE	401	40	78	132	60	60	31
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	3			2			1
88600600	DETECTOR LOOP REPLACEMENT	8786	1357	1650	1793	1987	1999	
87600100	PEDESTRIAN PUSH-BUTTON POST, TYPE I	7			1			2
81028370	UNDERGROUND CONDUIT, PVC, 1" DIA.	151		38	82			31
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	1528		753	499			276
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	278			278			
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	1			1			
87800100	CONCRETE FOUNDATION, TYPE A	3			3			
87900100	DRILL EXISTING FOUNDATION	3		3				
87900200	DRILL EXISTING HANDHOLE	5		1	2			2
88102710	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, POST MOUNTED	1			1			
89902100	MODIFY EXISTING CONTROLLER	3		1	1			1
89502310	MODIFY EXISTING CONTROLLER CABINET	3		1	1			1
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	1495		733	510			252
88502300	REMOVE EXISTING HANDHOLE	3			2			1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	20		8	4			8
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	23569		12872	9437			1260
88800100	PEDESTRIAN PUSH-BUTTON	23		8	7			8



DETAIL A
(NO SCALE)

INSTALLING DETECTOR LOOP WIRES IN EXISTING CONDUIT

1. DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
2. REMOVE EXISTING DETECTOR LOOP WIRES TO HANDHOLE OR GULFBOX.
3. INSTALL NEW LOOP LEAD-IN WIRES IN EXISTING CONDUIT.
4. SPLICE NEW DETECTOR LOOP WIRES TO EXISTING LOOP LEAD-IN CABLE IN HANDHOLE OR GULFBOX.
5. FILL HOLE WITH APPROVED SEALER. PREVENT SEALER FROM ENTERING INTO CONDUIT.
6. LOCATING UNDERGROUND CABLE WILL BE PAID FOR SEPARATELY.

NOT A PAY ITEM. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "DETECTOR LOOP REPLACEMENT"

DETECTOR LOOP REPLACEMENT LEGEND

- EX. HANDHOLE
- EX. DETECTOR LOOP
- EX. TRAFFIC SIGNAL CONTROLLER
- EXISTING CONDUIT
- PROPOSED DETECTOR LOOP

FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN GENERAL NOTES, SCHEDULE OF QUANTITIES, DETAIL AND LEGEND			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\IL084EBIDINTEG.illinois.gov\PIDOT\Documents\IDOT Offices\District 8\Projects\0876\DRAWING\084EBIDINTEG.dwg	PLLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -					805	146RS-4,122RS-2	ST. CLAIR	74	53
	PLLOT DATE = 1/11/2018	DATE -	REVISED -		SCALE: SHEET NO. 1 OF 7 SHEETS STA. TO STA.			CONTRACT NO. 76H45		ILLINOIS FED. AID PROJECT		

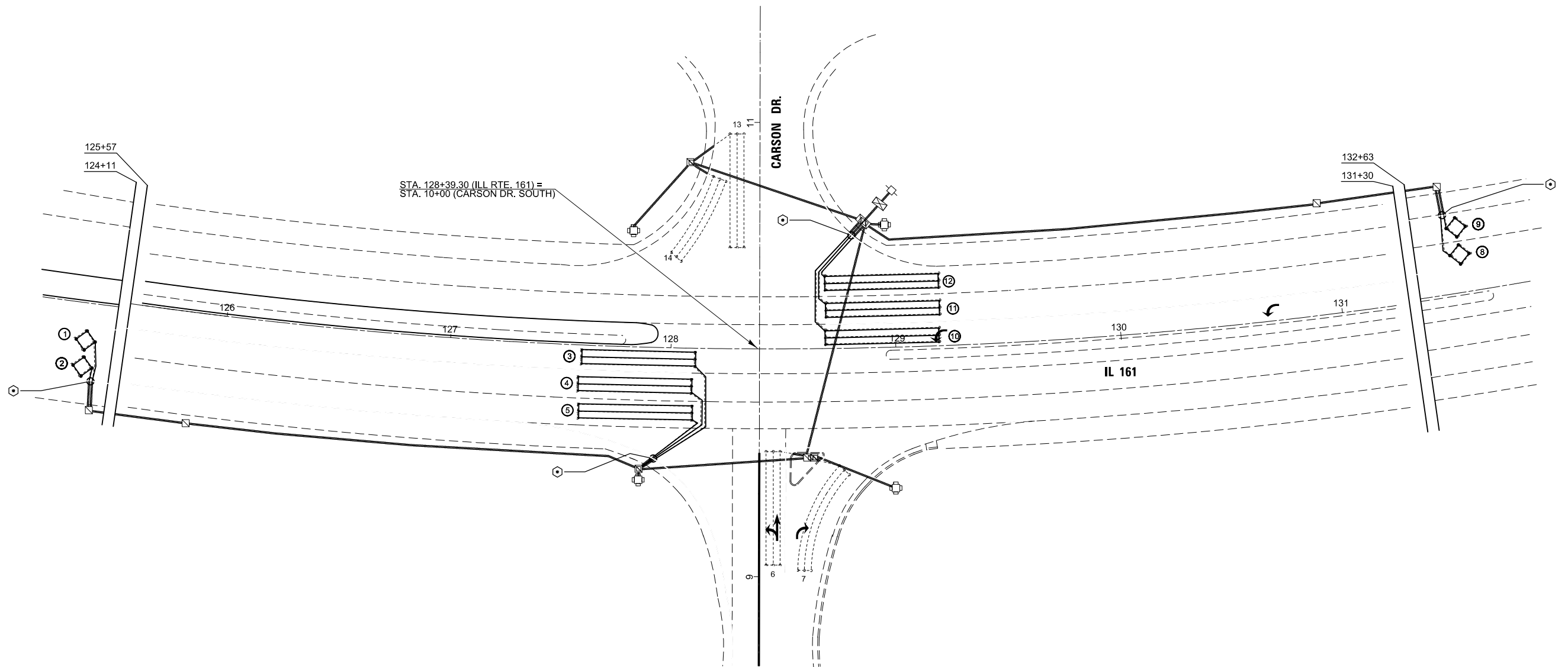
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 161 & CARSON DR.

LOOP#	PHASE#	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. SB CCO A	6	6 X 6	6	508.8	3.7
2. SB CCO B	6	6 X 6	6	506.4	3.6
3. SB LT CD	1	6 X 50-Q	3-6-3	846.5	3.0
4. SB THRU CD A	6	6 X 50-Q	3-6-3	843.6	2.9
5. SB THRU CD B	6	6 X 50-Q	3-6-3	840.3	2.8
6. EB THRU CD	3	6 X 50-Q	3-6-3	818.3	2.3
7. EB RT CD	3	6 X 50-Q	3-6-3	818.1	2.3
8. NB CCO A	2	6 X 6	6	353.4	2.6
9. NB CCO B	2	6 X 6	6	350.6	2.5
10. NB LT CD	5	6 X 50-Q	3-6-3	804.5	2.0
11. NB THRU CD A	2	6 X 50-Q	3-6-3	801.4	1.9
12. NB THRU CD B	2	6 X 50-Q	3-6-3	798.3	1.9
13. WB THRU CD	4	6 X 50-Q	3-6-3	814.2	2.2
14. WB RT CD	4	6 X 50-Q	3-6-3	812.0	2.2

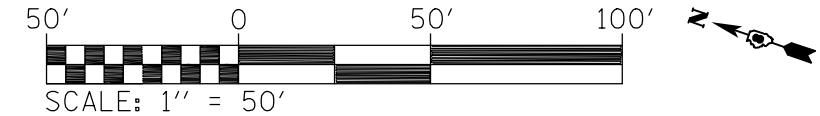
THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

⊙ =SEE DETAIL A



IL 161 & CARSON DR.



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pw:\IL084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 8\Projects\0875\DRAWING\DATA\EA0\sheets\d876h45-sht-TS.dgn		CHECKED -	REVISED -		805	146RS-4,122RS-2	ST. CLAIR	74	54			
PLOT SCALE = 50.0000' / in.		DATE -	REVISED -		CONTRACT NO. 76H45							
PLOT DATE = 1/11/2018					SCALE:	SHEET NO. 2 OF 7 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

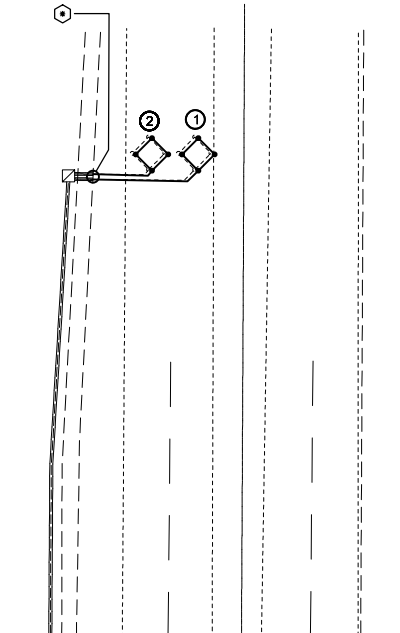
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 161 & F. S. PRKWY.

LOOP#	PHASE#	LOOP SIZE (FT. X FT.)	REQUIRED# OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. SB CCO A	6	6 X 6	6	363.6	2.8
2. SB CCO B	6	6 X 6	6	360.7	2.8
3. SB LT CD	1	6 X 50-Q	3-6-3	843.2	2.9
4. SB THRU CD A	6	6 X 50-Q	3-6-3	841.0	2.8
5. SB THRU CD B	6	6 X 50-Q	3-6-3	838.4	2.8
6. SB RT CD	6	6 X 50-Q	3-6-3	837.7	2.8
7. EB LT CD	7	6 X 50-Q	3-6-3	809.2	2.1
8. EB THRU CD A	4	6 X 50-Q	3-6-3	805.9	2.0
9. EB THRU CD B	4	6 X 50-Q	3-6-3	803.1	2.0
10. EB RT CD	4	6 X 50-Q	3-6-3	803.5	2.0
11. NB CCO A	2	6 X 6	6	347.1	2.5
12. NB CCO B	2	6 X 6	6	344.2	2.4
13. NB LT CD	5	6 X 50-Q	3-6-3	829.2	2.6
14. NB THRU CD A	2	6 X 50-Q	3-6-3	827.0	2.5
15. NB THRU CD B	2	6 X 50-Q	3-6-3	823.9	2.5
16. NB RT CD	2	6 X 50-Q	3-6-3	820.9	2.4
17. WB LT CD	3	6 X 50-Q	3-6-3	882.4	3.8
18. WB THRU CD A	8	6 X 50-Q	3-6-3	879.3	3.7
19. WB THRU CD B	8	6 X 50-Q	3-6-3	876.6	3.7
20. WB RT CD	8	6 X 50-Q	3-6-3	876.4	3.7

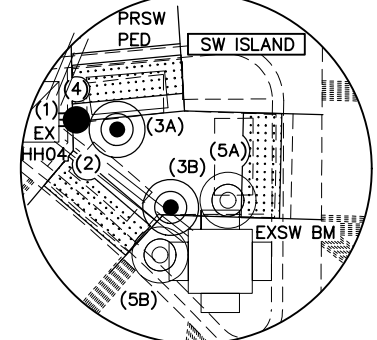
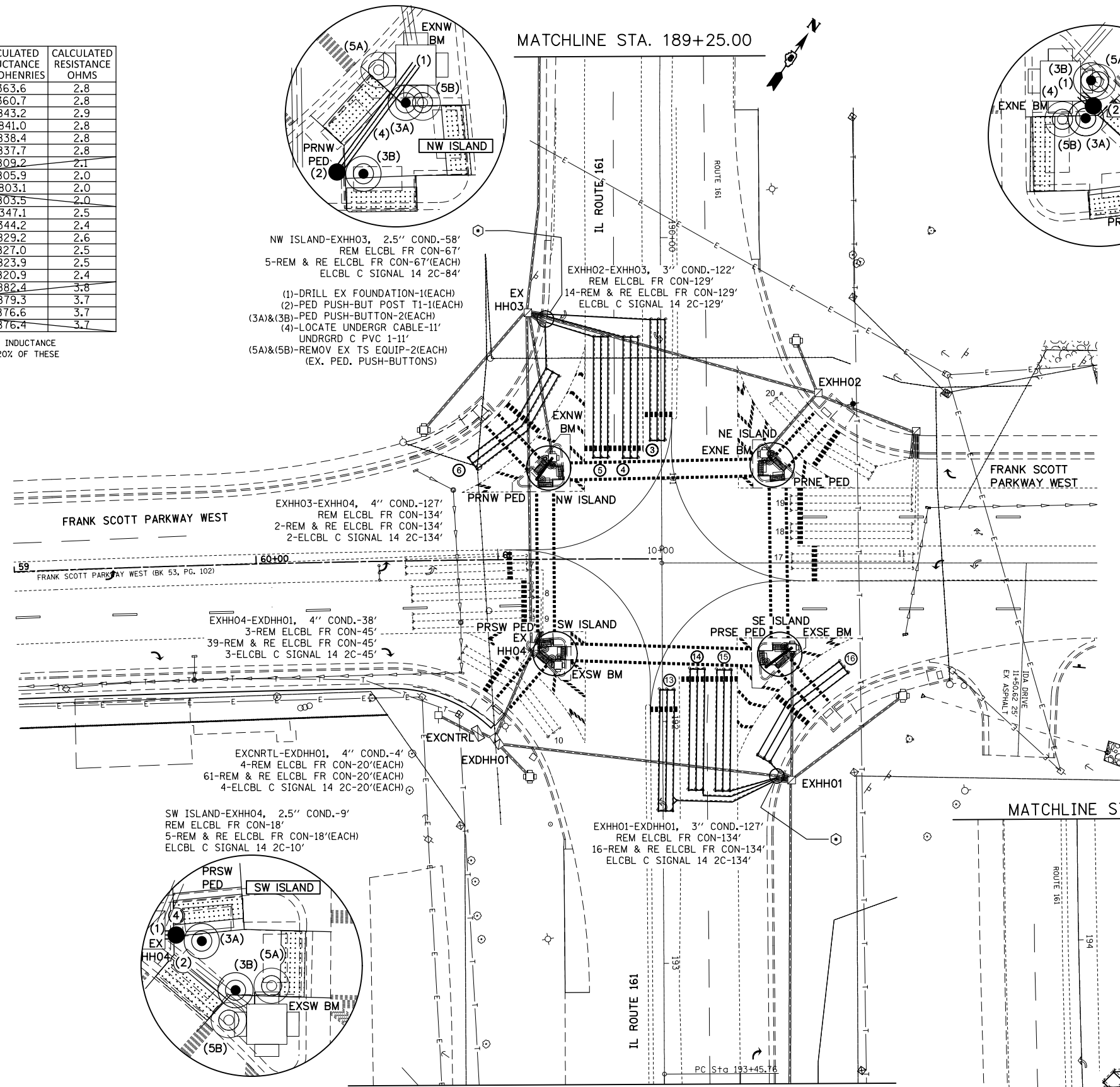
THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

⊙=SEE DETAIL A

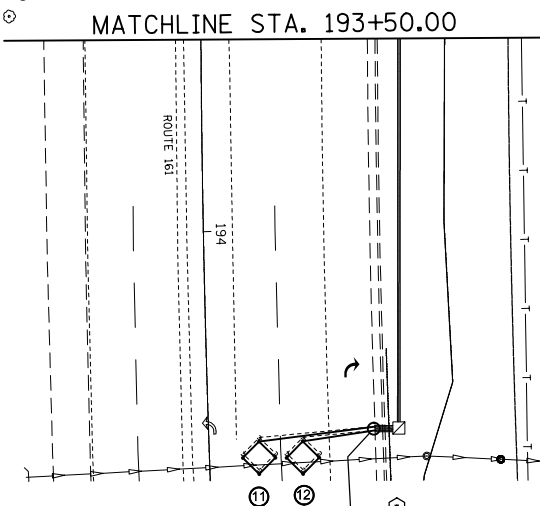


MATCHLINE STA. 189+25.00

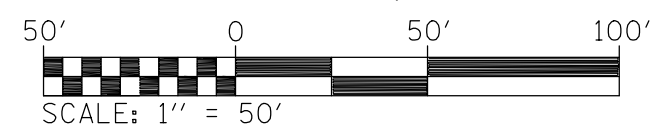


- (1)-DRILL EX HANDHOLE-1(EACH)
- (2)-PED PUSH-BUT POST T1-1(EACH)
- (3A)&(3B)-PED PUSH-BUTTON-2(EACH)
- (4)-LOCATE UNDERGR CABLE-1' UNDRGRD C PVC 1-1'
- (5A)&(5B)-REMOV EX TS EQUIP-2(EACH) (EX. PED. PUSH-BUTTONS)

IL 161 & F. S. PRKWY.



- (1)-DRILL EX FOUNDATION-1(EACH)
- (2)-PED PUSH-BUT POST T1-1(EACH)
- (3A)&(3B)-PED PUSH-BUTTON-2(EACH)
- (4)-LOCATE UNDERGR CABLE-14' UNDRGRD C PVC 1-14'
- (5A)&(5B)-REMOV EX TS EQUIP-2(EACH) (EX. PED. PUSH-BUTTONS)



FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -
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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL 161 & F. S. PRKWY.

SCALE: SHEET NO. 3 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	55
CONTRACT NO. 76H45				
ILLINOIS FED. AID PROJECT				

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 161 & ROYAL HEIGHTS RD.

LOOP#	PHASE#	LOOP SIZE (FT. X FT.)	REQUIRED# OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. EB CCO A	6	6 X 6	6	381.6	3.2
2. EB CCO B	6	6 X 6	6	378.5	3.2
3. EB LT CD A	1	6 X 50-0	3-6-3	847.0	3.0
4. EB LT CD B	1	6 X 50-0	3-6-3	834.8	2.7
5. EB THRU CD A	6	6 X 50-0	3-6-3	832.0	2.6
6. EB THRU CD B	6	6 X 50-0	3-6-3	829.8	2.6
7. EB RT CD	6	6 X 50-0	3-6-3	829.8	2.6
8. NB CCO A	4	6 X 6	6	812.0	2.2
9. NB CCO B	4	6 X 6	6	280.8	1.0
10. NB LT CD	4	6 X 50-0	3-6-3	814.4	2.2
11. NB THRU CD	4	6 X 50-0	3-6-3	811.1	2.2
12. NB RT CD	4	6 X 50-0	3-6-3	812.0	2.2
13. WB CCO A	2	6 X 6	7	506.6	3.6
14. WB CCO B	2	6 X 6	7	503.8	3.6
15. WB LT CD A	5	6 X 50-0	3-6-3	852.4	3.1
16. WB LT CD B	5	6 X 50-0	3-6-3	939.9	2.8
17. WB THRU CD A	2	6 X 50-0	3-6-3	836.2	2.7
18. WB THRU CD B	2	6 X 50-0	3-6-3	833.1	2.7
19. SB LT CD	3	6 X 50-0	3-6-3	858.4	3.2
20. SB THRU CD	3	6 X 50-0	3-6-3	855.1	3.2
21. SB RT CD	3	6 X 40-0	3-6-3	706.2	2.9

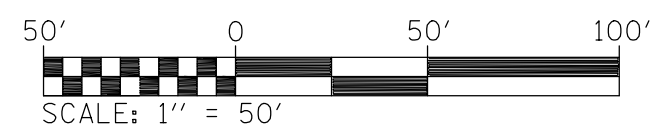
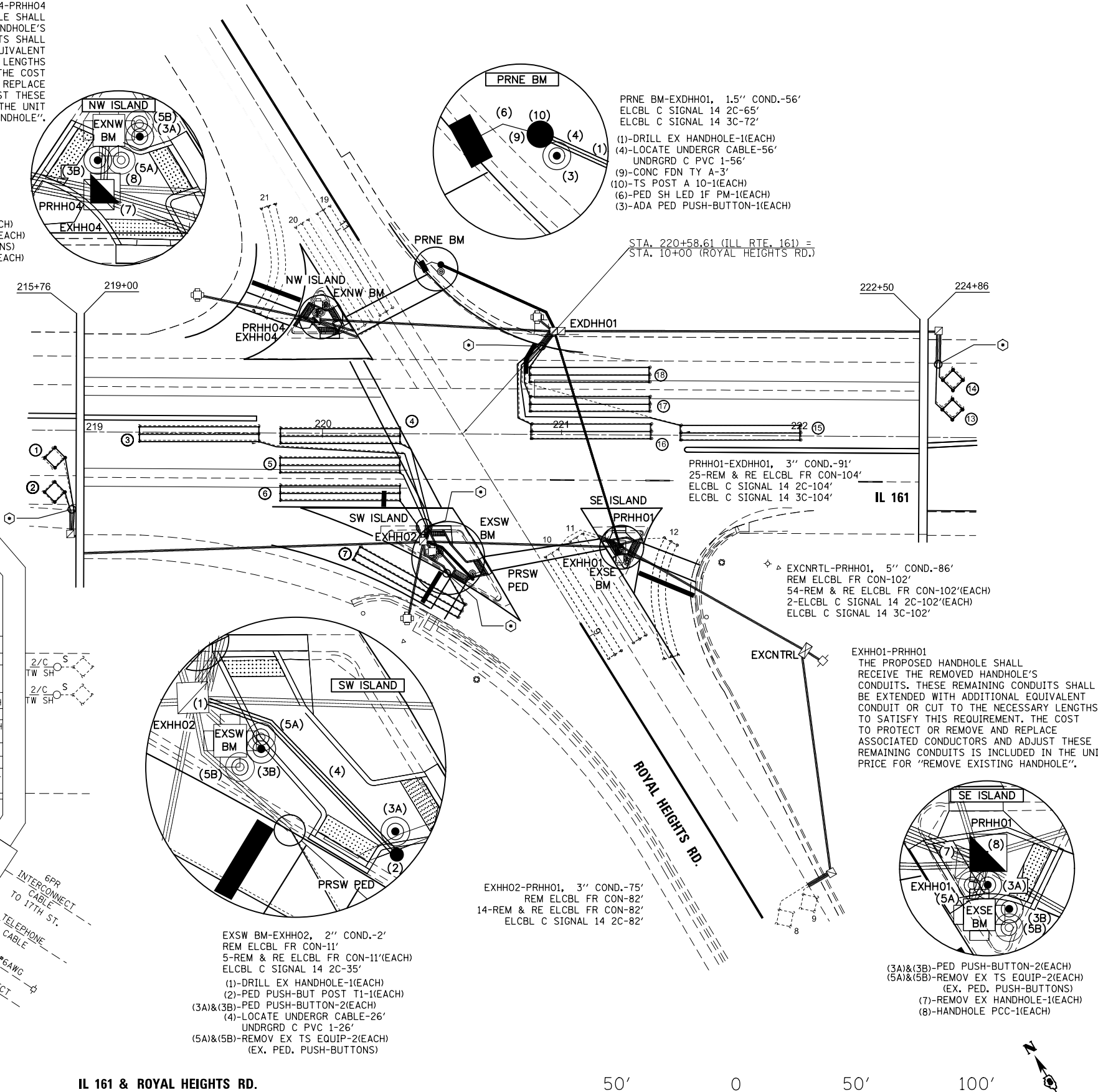
THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

⊙=SEE DETAIL A

EXHH04-PRHH04
THE PROPOSED HANDHOLE SHALL RECEIVE THE REMOVED HANDHOLE'S CONDUITS. THESE REMAINING CONDUITS SHALL BE EXTENDED WITH ADDITIONAL EQUIVALENT CONDUIT OR CUT TO THE NECESSARY LENGTHS TO SATISFY THIS REQUIREMENT. THE COST TO PROTECT OR REMOVE AND REPLACE ASSOCIATED CONDUCTORS AND ADJUST THESE REMAINING CONDUITS IS INCLUDED IN THE UNIT PRICE FOR "REMOVE EXISTING HANDHOLE".

- (3A)&(3B)-PED PUSH-BUTTON-2(EACH)
- (5A)&(5B)-REMOV EX TS EQUIP-2(EACH) (EX. PED. PUSH-BUTTONS)
- (7)-REMOV EX HANDHOLE-1(EACH)
- (8)-HANDHOLE PCC-1(EACH)



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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL 161 & ROYAL HEIGHTS RD.**

SCALE: SHEET NO. 4 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	56
CONTRACT NO. 76H45				
ILLINOIS FED. AID PROJECT				

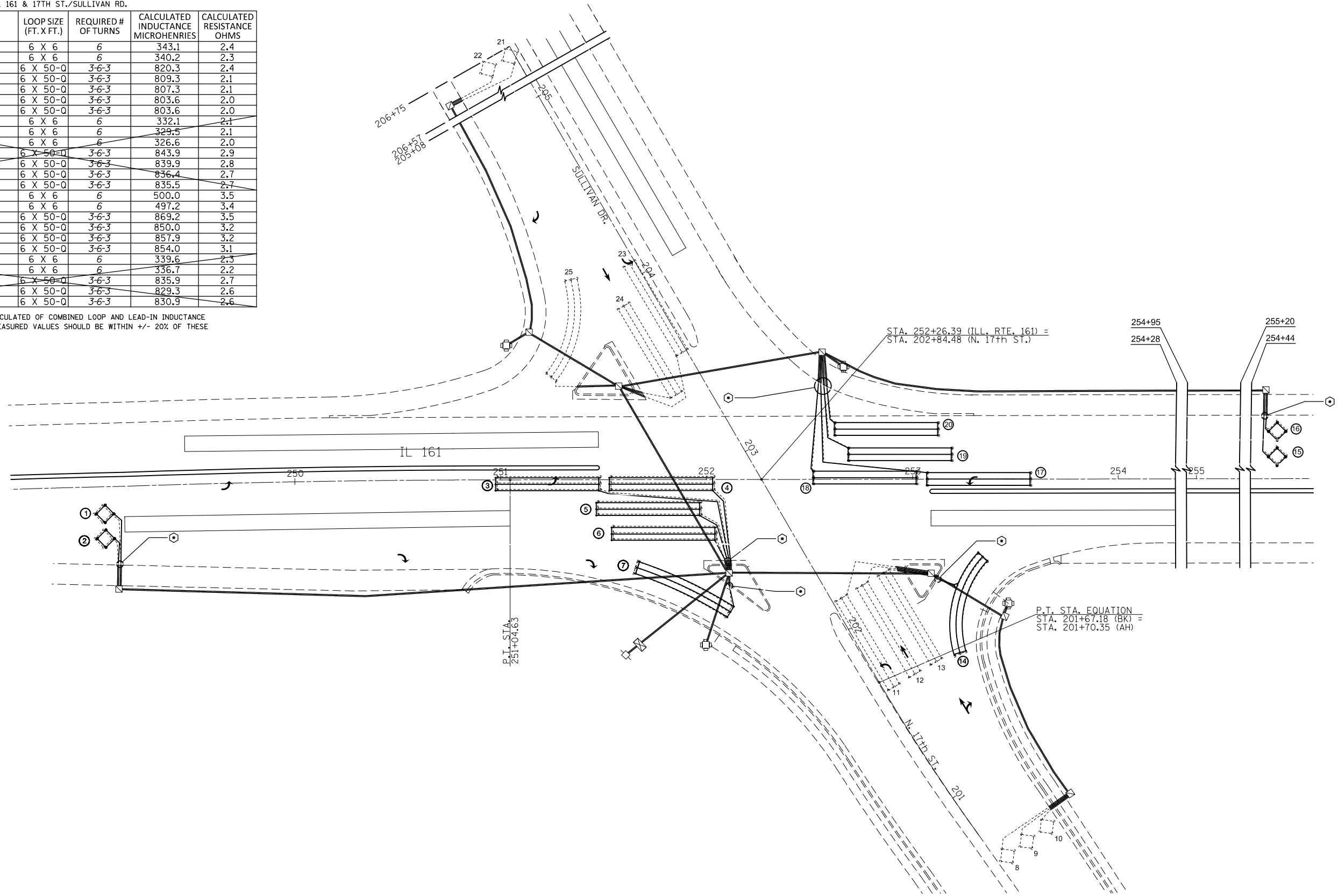
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 161 & 17TH ST./SULLIVAN RD.

LOOP#	PHASE #	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. EB CCO A	6	6 X 6	6	343.1	2.4
2. EB CCO B	6	6 X 6	6	340.2	2.3
3. EB LT CD A	1	6 X 50-Q	3-6-3	820.3	2.4
4. EB LT CD B	1	6 X 50-Q	3-6-3	809.3	2.1
5. EB THRU CD A	6	6 X 50-Q	3-6-3	807.3	2.1
6. EB THRU CD B	6	6 X 50-Q	3-6-3	803.6	2.0
7. EB RT CD	3	6 X 50-Q	3-6-3	803.6	2.0
8. NB CCO A	3	6 X 6	6	332.1	2.1
9. NB CCO B	3	6 X 6	6	329.5	2.1
10. NB CCO C	7	6 X 6	6	326.6	2.0
11. NB LT CD	3	6 X 50-Q	3-6-3	843.9	2.9
12. NB THRU CD A	3	6 X 50-Q	3-6-3	839.9	2.8
13. NB THRU CD B	3	6 X 50-Q	3-6-3	836.4	2.7
14. NB RT CD	3	6 X 50-Q	3-6-3	835.5	2.7
15. WB CCO A	2	6 X 6	6	500.0	3.5
16. WB CCO B	2	6 X 6	6	497.2	3.4
17. WB LT CD A	5	6 X 50-Q	3-6-3	869.2	3.5
18. WB LT CD B	5	6 X 50-Q	3-6-3	850.0	3.2
19. WB THRU CD A	2	6 X 50-Q	3-6-3	857.9	3.2
20. WB THRU CD B	2	6 X 50-Q	3-6-3	854.0	3.1
21. SB CCO A	4	6 X 6	6	339.6	2.3
22. SB CCO B	4	6 X 6	6	336.7	2.2
23. SB LT CD	8	6 X 50-Q	3-6-3	835.9	2.7
24. SB THRU CD	4	6 X 50-Q	3-6-3	829.3	2.6
25. SB RT CD	4	6 X 50-Q	3-6-3	830.9	2.6

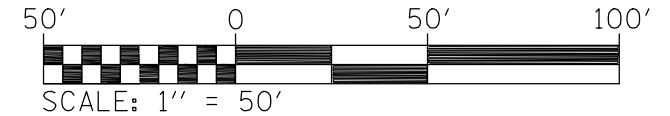
THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

⊙ =SEE DETAIL A



IL 161 & 17TH ST./SULLIVAN RD.



FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -
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	PLOT DATE = 1/11/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL 161 & 17TH ST./SULLIVAN RD.

SCALE: SHEET NO. 5 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	57
CONTRACT NO. 76H45				
ILLINOIS FED. AID PROJECT				

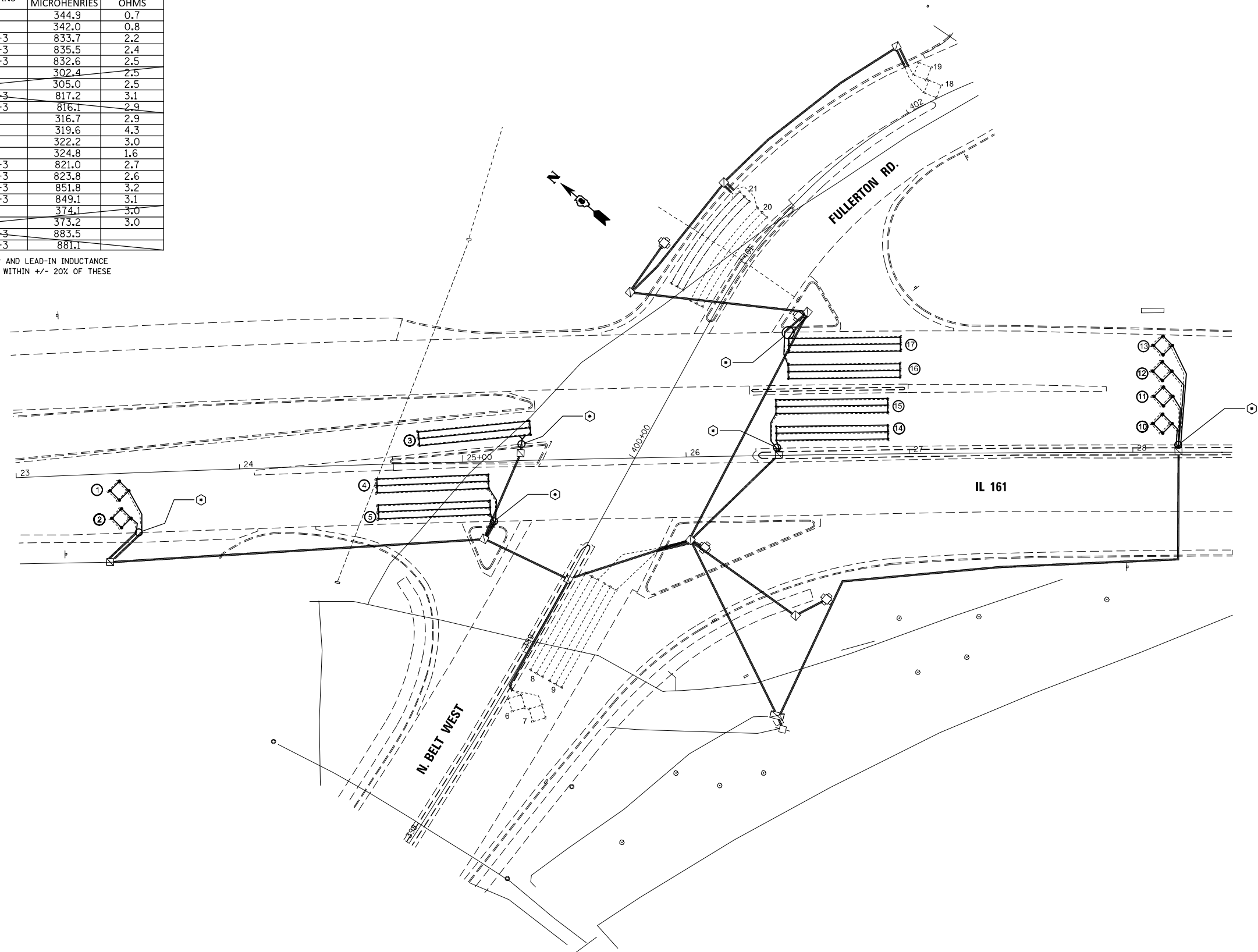
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 161 & N. BELT W./FULLERTON RD.

LOOP#	PHASE #	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. SB CCO A	2	6 X 6	6	344.9	0.7
2. SB CCO B	2	6 X 6	6	342.0	0.8
3. SB LT CD	5	6 X 50-Q	3-6-3	833.7	2.2
4. SB THRU CD A	2	6 X 50-Q	3-6-3	835.5	2.4
5. SB THRU CD B	2	6 X 50-Q	3-6-3	832.6	2.5
6. EB CCO A	4	6 X 6	6	302.4	2.5
7. EB CCO B	4	6 X 6	6	305.0	2.5
8. EB LT CD	4	6 X 50-Q	3-6-3	817.2	3.1
9. EB THRU CD	4	6 X 50-Q	3-6-3	816.1	2.9
10. NB CCO A	1	6 X 6	6	316.7	2.9
11. NB CCO B	1	6 X 6	6	319.6	4.3
12. NB CCO C	6	6 X 6	6	322.2	3.0
13. NB CCO D	6	6 X 6	6	324.8	1.6
14. NB LT CD A	1	6 X 50-Q	3-6-3	821.0	2.7
15. NB LT CD B	1	6 X 50-Q	3-6-3	823.8	2.6
16. NB THRU CD A	6	6 X 50-Q	3-6-3	851.8	3.2
17. NB THRU CD B	6	6 X 50-Q	3-6-3	849.1	3.1
18. WB CCO A	3	6 X 6	6	374.1	3.0
19. WB CCO B	3	6 X 6	6	373.2	3.0
20. WB LT CD	3	6 X 50-Q	3-6-3	883.5	
21. WB THRU CD	3	6 X 50-Q	3-6-3	881.1	

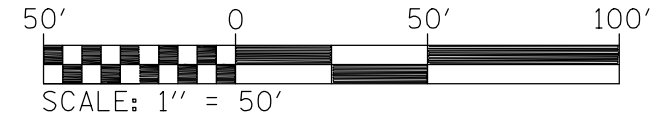
THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

⊙=SEE DETAIL A



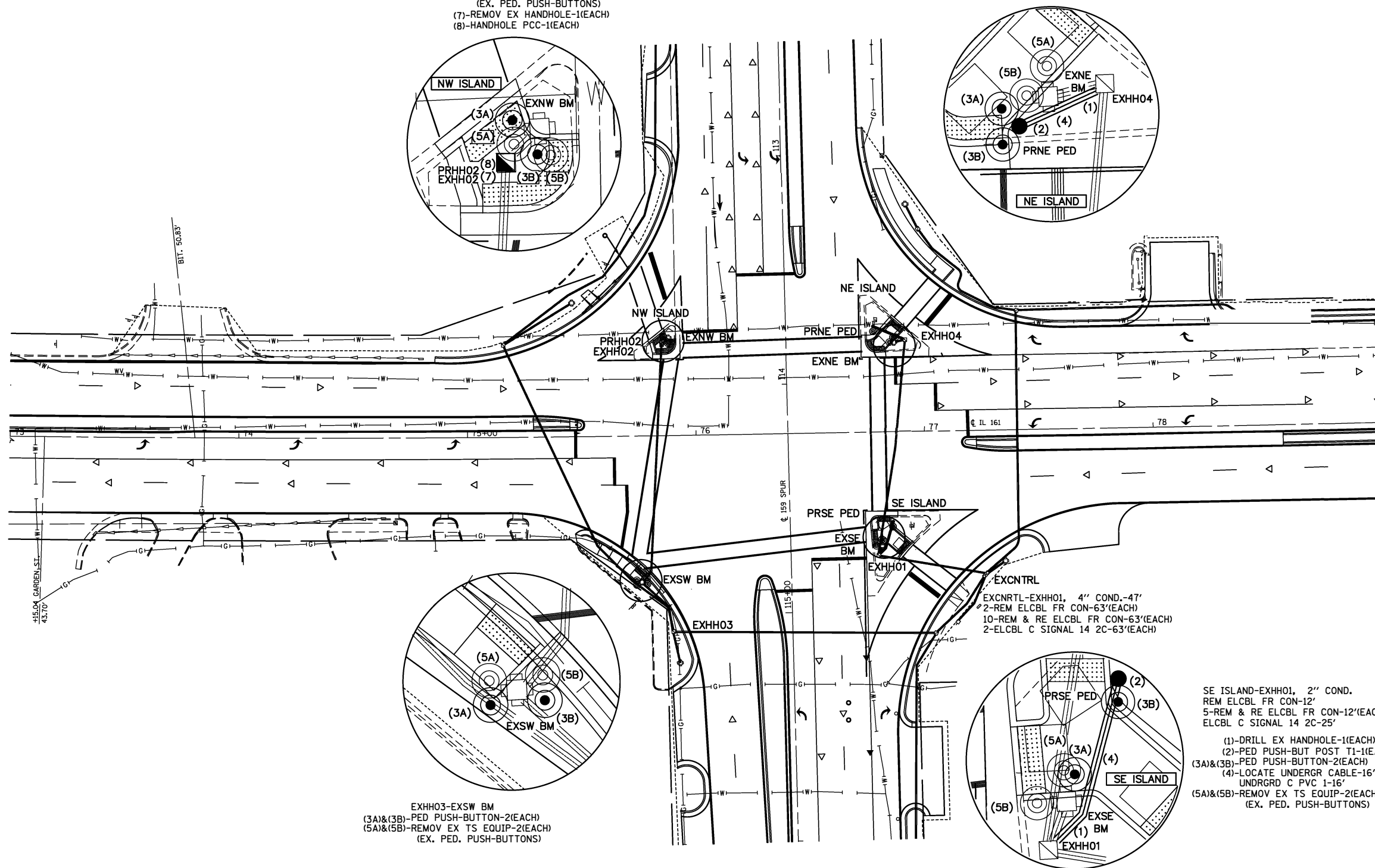
IL 161 & N. BELT W./FULLERTON RD.



FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL 161 & N. BELT W./FULLERTON RD.			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 1/11/2018				ILLINOIS FED. AID PROJECT							

EXHH02-PRHH02
 THE PROPOSED HANDHOLE SHALL RECEIVE THE REMOVED HANDHOLE'S CONDUITS. THESE REMAINING CONDUITS SHALL BE EXTENDED WITH ADDITIONAL EQUIVALENT CONDUIT OR CUT TO THE NECESSARY LENGTHS TO SATISFY THIS REQUIREMENT. THE COST TO PROTECT OR REMOVE AND REPLACE ASSOCIATED CONDUCTORS AND ADJUST THESE REMAINING CONDUITS IS INCLUDED IN THE UNIT PRICE FOR "REMOVE EXISTING HANDHOLE".
 (3A)&(3B)-PED PUSH-BUTTON-2(EACH)
 (5A)&(5B)-REMOV EX TS EQUIP-2(EACH) (EX. PED. PUSH-BUTTONS)
 (7)-REMOV EX HANDHOLE-1(EACH)
 (8)-HANDHOLE PCC-1(EACH)

NE ISLAND-EXHH04, 2" COND.
 REM ELCBL FR CON-13'
 5-REM & RE ELCBL FR CON-13'(EACH)
 ELCBL C SIGNAL 14 2C-24'
 (1)-DRILL EX HANDHOLE-1(EACH)
 (2)-PED PUSH-BUT POST T1-1(EACH)
 (3A)&(3B)-PED PUSH-BUTTON-2(EACH)
 (4)-LOCATE UNDERGR CABLE-15' UNDRGRD C PVC 1-15'
 (5A)&(5B)-REMOV EX TS EQUIP-2(EACH) (EX. PED. PUSH-BUTTONS)



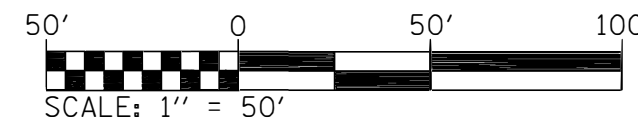
EXHH04-EXHH01, 3" COND.-94'
 REM ELCBL FR CON-101'
 5-REM & RE ELCBL FR CON-101'
 ELCBL C SIGNAL 14 2C-101'

EXCNRTRL-EXHH01, 4" COND.-47'
 2-REM ELCBL FR CON-63'(EACH)
 10-REM & RE ELCBL FR CON-63'(EACH)
 2-ELCBL C SIGNAL 14 2C-63'(EACH)

SE ISLAND-EXHH01, 2" COND.
 REM ELCBL FR CON-12'
 5-REM & RE ELCBL FR CON-12'(EACH)
 ELCBL C SIGNAL 14 2C-25'
 (1)-DRILL EX HANDHOLE-1(EACH)
 (2)-PED PUSH-BUT POST T1-1(EACH)
 (3A)&(3B)-PED PUSH-BUTTON-2(EACH)
 (4)-LOCATE UNDERGR CABLE-16' UNDRGRD C PVC 1-16'
 (5A)&(5B)-REMOV EX TS EQUIP-2(EACH) (EX. PED. PUSH-BUTTONS)

EXHH03-EXSW BM
 (3A)&(3B)-PED PUSH-BUTTON-2(EACH)
 (5A)&(5B)-REMOV EX TS EQUIP-2(EACH) (EX. PED. PUSH-BUTTONS)

IL 161 & IL 159



FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL 161 & IL 159			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 50.0000' / in.		DATE -	REVISED -		CONTRACT NO. 76H45							
PLOT DATE = 1/11/2018					ILLINOIS FED. AID PROJECT							

INDEX OF SHEETS

SHEET NO.	ITEM
1	ADA BILL OF MATERIALS AND NOTES
2-13.	SIDEWALK RAMP DETAILS

BILL OF MATERIALS

ITEM	UNIT	TOTAL QUANTITY
PCC SIDEWALK 4 IN	SO FT	1277
DETECTABLE WARNINGS	SO FT	366
COMBINATION CURB AND GUTTER REMOVAL	FOOT	302
SIDEWALK REMOVAL	SO FT	160
COMB CC&G, TYPE B-6.06	FOOT	59
COMB CC&G, TYPE B-6.12	FOOT	33
COMB CC&G, TYPE B-6.18	FOOT	13
COMB CC&G, TYPE B-6.24	FOOT	54
* COMB CC&G, TYPE B-6.24 VWGF	FOOT	142
CONCRETE MEDIAN SURFACE, 4 IN	SO FT	1020
* CONCRETE MEDIAN SURFACE REMOVAL	SO FT	2091

* SEE SPECIAL PROVISIONS

COORDINATES ARE BASED ON AN ASSUMED COORDINATE SYSTEM. ELEVATIONS ARE BASED ON AN ASSUMED DATUM.

FRANK SCOTT PARKWAY INTERSECTION

CP#1 REBAR
N: 5000.00
E: 5000.00
ELEV: 100.00

CP#3 REBAR
N: 5053.63
E: 4784.91
ELEV: 100.27

ROYAL HEIGHTS ROAD INTERSECTION

CP#1 MAG NAIL
N: 5000.00
E: 7000.00
ELEV: 200.00

CP#2 MAG NAIL
N: 5137.29
E: 7119.34
ELEV: 199.16

IL ROUTE 159 INTERSECTION

CP#1 CUT CROSS
N: 5000.00
E: 12000.00
ELEV: 300.00

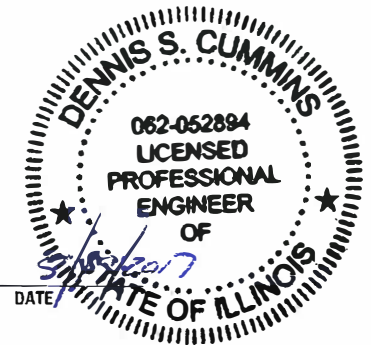
CP#2 MAG NAIL
N: 4831.36
E: 11872.92
ELEV: 295.89

GENERAL NOTES

- CONTRACTOR TO MAINTAIN FLOW IN GUTTERS THROUGH THE PROPOSED WORK.
- DETECTABLE WARNING PANELS SHALL BE SAWCUT TO FIT. GAPS BETWEEN PANELS WILL NOT BE ALLOWED.
- CONTRACTOR SHALL PROVIDE FULL DEPTH SAW CUTS AT ALL REMOVAL LIMITS. SAW CUTTING SHALL BE INCLUDED IN THE COST OF THE RESPECTIVE REMOVAL PAY ITEM.
- ALL DISTURBED AREAS NOT IMPROVED WITH PROPOSED ITEMS SHALL BE RESTORED UTILIZING 4" OF SOIL MATERIAL SUITABLE FOR SUSTAINING VEGETATION, CLASS 1 SEEDING, FERTILIZER & MULCH, METHOD 1 PER SECTIONS 211, 250 & 251 OF THE STANDARD SPECIFICATIONS. RESTORATION WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE RESPECTIVE REMOVAL PAY ITEMS.
- REFER TO STANDARD 424001 FOR RAMP DETAILS NOT SHOWN ON INDIVIDUAL SHEETS.

HIGHWAY STANDARDS

- 424001 - PERPENDICULAR CURB RAMPS FOR SIDEWALKS
- 424006 - DIAGONAL CURB RAMPS FOR SIDEWALKS
- 424011 - CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
- 424021 - DEPRESSED CORNER FOR SIDEWALKS
- 424031 - MEDIAN PEDESTRIAN CROSSINGS
- 606001 - CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 606301 - PC CONCRETE ISLANDS AND MEDIANS
- 701101 - OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
- 701701 - URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801 - SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901 - TRAFFIC CONTROL DEVICES
- 780001 - TYPICAL PAVEMENT MARKINGS



Dennis S. Cummins
 DENNIS S. CUMMINS, PE, PLS
 LICENSED PROFESSIONAL ENGINEER
 ILLINOIS NO. 52894 EXPIRES 11-30-17

DATE



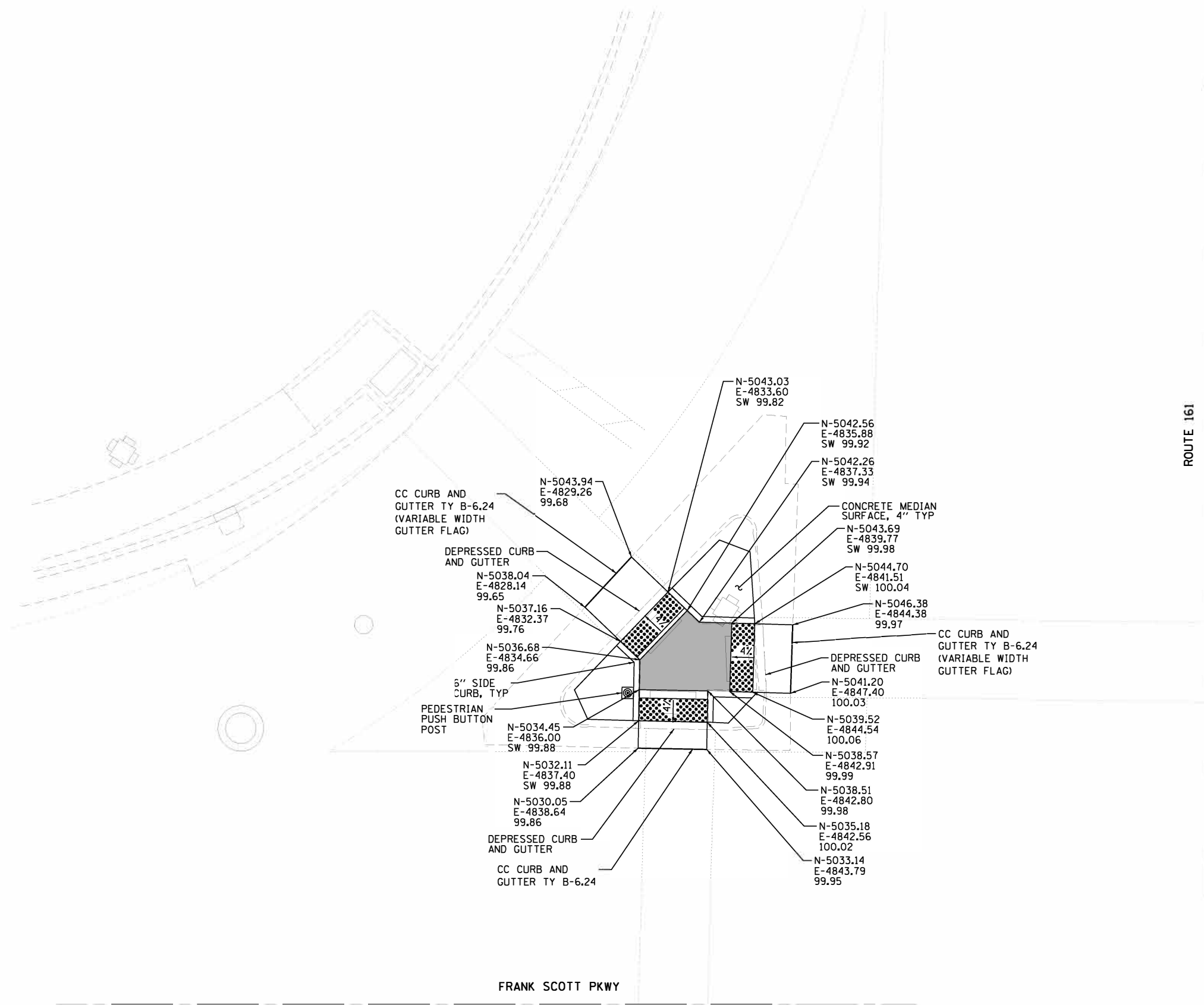
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	DATE - 05/11/2017	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ADA BILL OF MATERIALS AND NOTES

SCALE: NTS SHEET 1 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4, 122RS-2	ST. CLAIR	74	60
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76H45	



LEGEND

- 650.00 PROPOSED PAVEMENT ELEVATION
- E 650.00 EXISTING SURFACE ELEVATION
- SW 650.00 PROPOSED SIDEWALK OR PATH ELEVATION
- FL 650.00 GUTTER FLOW LINE ELEVATION
- LEVEL LANDING AREA 1.5% MAX SLOPE IN ALL DIRECTIONS
- DETECTABLE WARNINGS

SIDWALK RAMPS AT THE WEST QUADRANT OF ROUTE 161 AND FRANK SCOTT PKWY

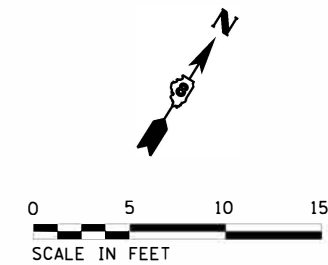
Farnsworth GROUP
 2211 W BRADLEY AVENUE
 CHAMPAIGN, ILLINOIS 61821
 (217) 352-7408 / info@f-w.com

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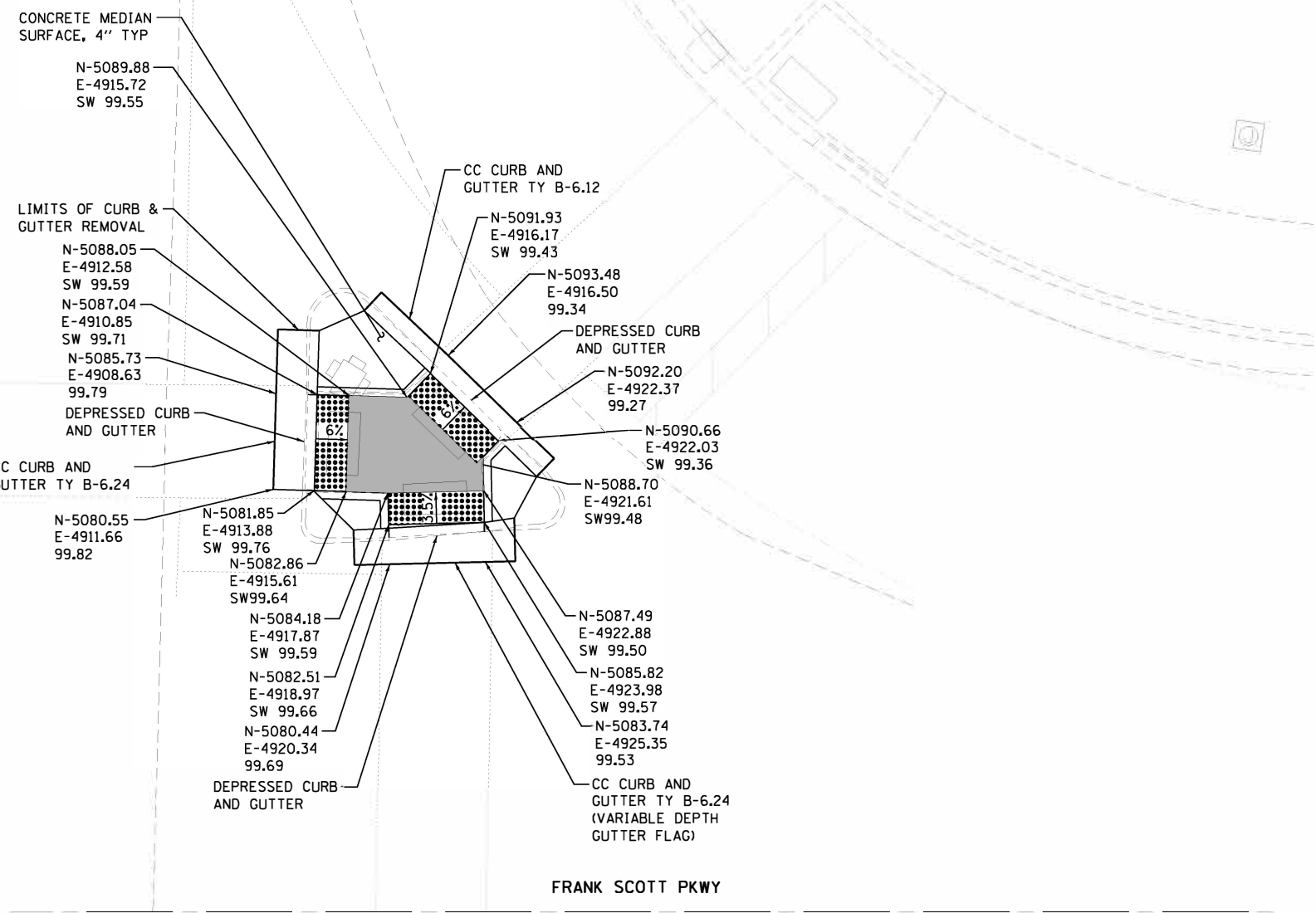
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SIDWALK RAMP DETAILS	
SCALE: 1"=5'	SHEET 2 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4, 122RS-2	ST. CLAIR	74	61
CONTRACT NO. 76H45				
ILLINOIS FED. AID PROJECT				





ROUTE 161



FRANK SCOTT PKWY

LEGEND

- 650.00 PROPOSED PAVEMENT ELEVATION
- E 650.00 EXISTING SURFACE ELEVATION
- SW 650.00 PROPOSED SIDEWALK OR PATH ELEVATION
- FL 650.00 GUTTER FLOW LINE ELEVATION
-  LEVEL LANDING AREA 1.5% MAX SLOPE IN ALL DIRECTIONS
-  DETECTABLE WARNINGS

SIDEWALK RAMPS AT THE NORTH QUADRANT OF ROUTE 161 AND FRANK SCOTT PKWY

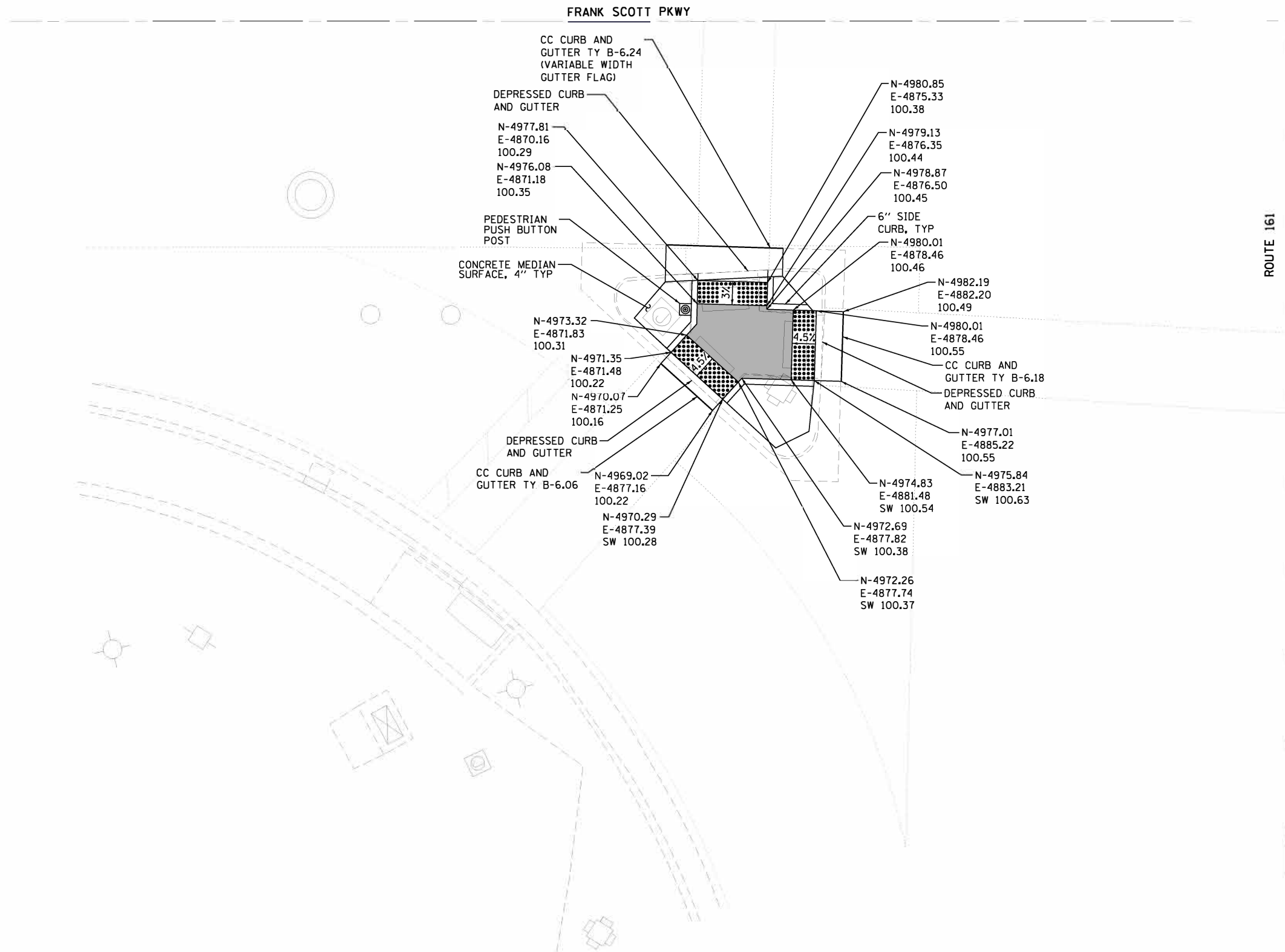
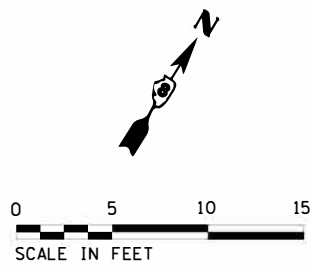


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	DRAWN - JDK	REVISED -
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PLOT DATE: *#DATE#	DATE - 05/11/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=5'		SHEET 3 OF 13 SHEETS		STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4, 122RS-2	ST. CLAIR	74	62
CONTRACT NO. 76H45				
ILLINOIS FED. AID PROJECT				



**SIDEWALK RAMPS AT THE SOUTH QUADRANT
OF ROUTE 161 AND FRANK SCOTT PKWY**

LEGEND

- 650.00 PROPOSED PAVEMENT ELEVATION
- E 650.00 EXISTING SURFACE ELEVATION
- SW 650.00 PROPOSED SIDEWALK OR PATH ELEVATION
- FL 650.00 GUTTER FLOW LINE ELEVATION
- LEVEL LANDING AREA 1.5% MAX SLOPE IN ALL DIRECTIONS
- DETECTABLE WARNINGS

Farnsworth GROUP
2211 W BRADLEY AVENUE
CHAMPAIGN, ILLINOIS 61821
(217) 352-7408 / info@f-w.com

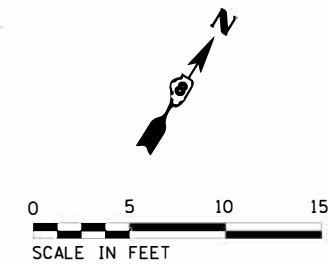
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	DATE - 05/11/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

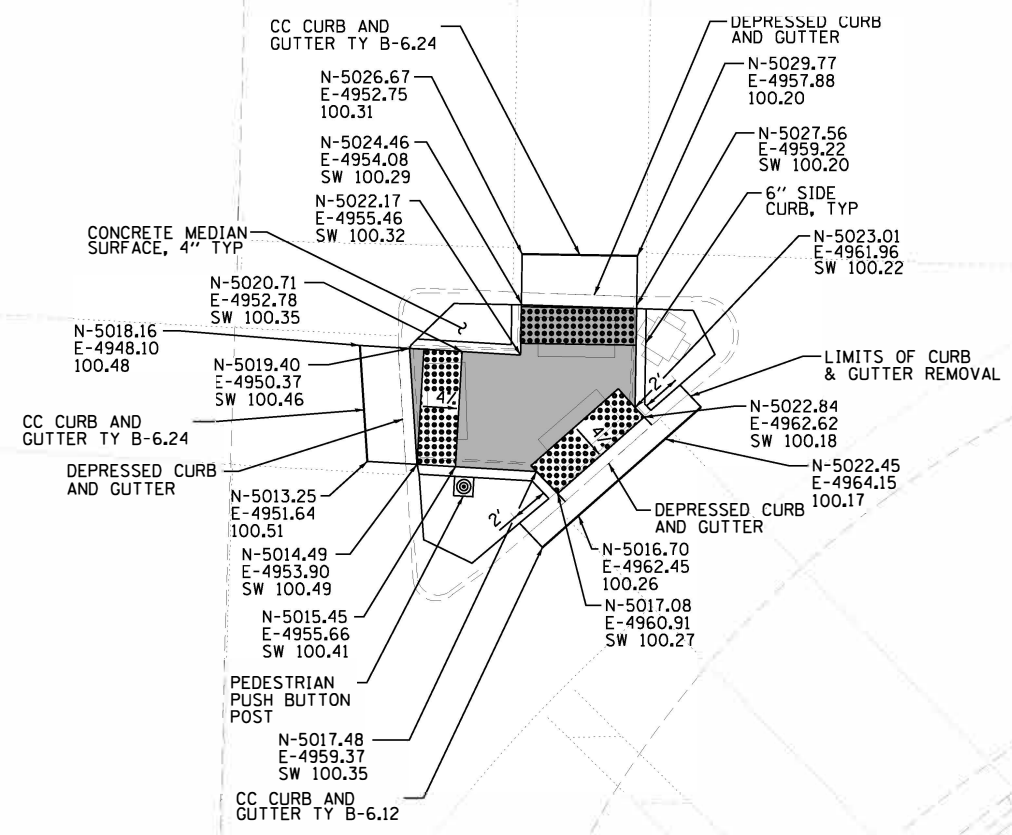
SIDEWALK RAMP DETAILS		
SCALE: 1"=5'	SHEET 4 OF 13 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4, 122RS-2	ST. CLAIR	74	63
CONTRACT NO. 76H45				
ILLINOIS FED. AID PROJECT				

FRANK SCOTT PKWY



ROUTE 161



LEGEND

- 650.00 PROPOSED PAVEMENT ELEVATION
- E 650.00 EXISTING SURFACE ELEVATION
- SW 650.00 PROPOSED SIDEWALK OR PATH ELEVATION
- FL 650.00 GUTTER FLOW LINE ELEVATION
- LEVEL LANDING AREA 1.5% MAX SLOPE IN ALL DIRECTIONS
- DETECTABLE WARNINGS

SIDEWALK RAMPS AT THE EAST QUADRANT OF ROUTE 161 AND FRANK SCOTT PKWY

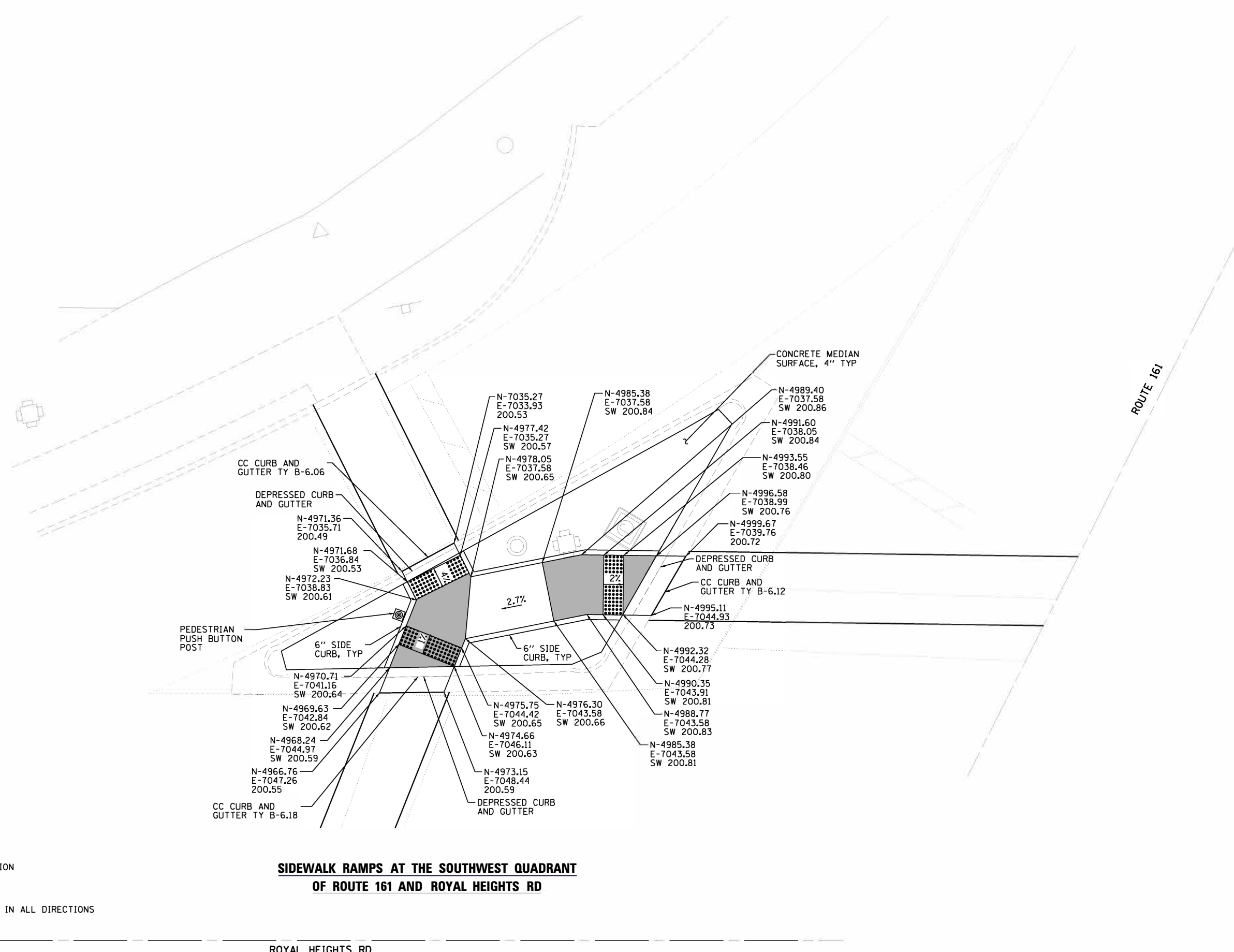
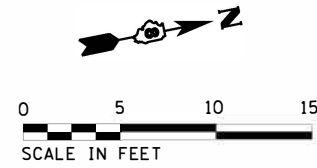
Farnsworth GROUP
 2211 W. BRADLEY AVENUE
 CHAMPAIGN, ILLINOIS 61821
 (217) 352-7408 / info@f-w.com

USER NAME: *USER*	DESIGNED - DSC	REVISED -
	DRAWN - JDK	REVISED -
PLOT SCALE: *SCALE*	CHECKED - JLF	REVISED -
PLOT DATE: *DATE*	DATE - 05/11/2017	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SIDEWALK RAMP DETAILS	
SCALE: 1"=5'	SHEET 5 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4, 122RS-2	ST. CLAIR	74	64
CONTRACT NO. 76H45				
ILLINOIS FED. AID PROJECT				

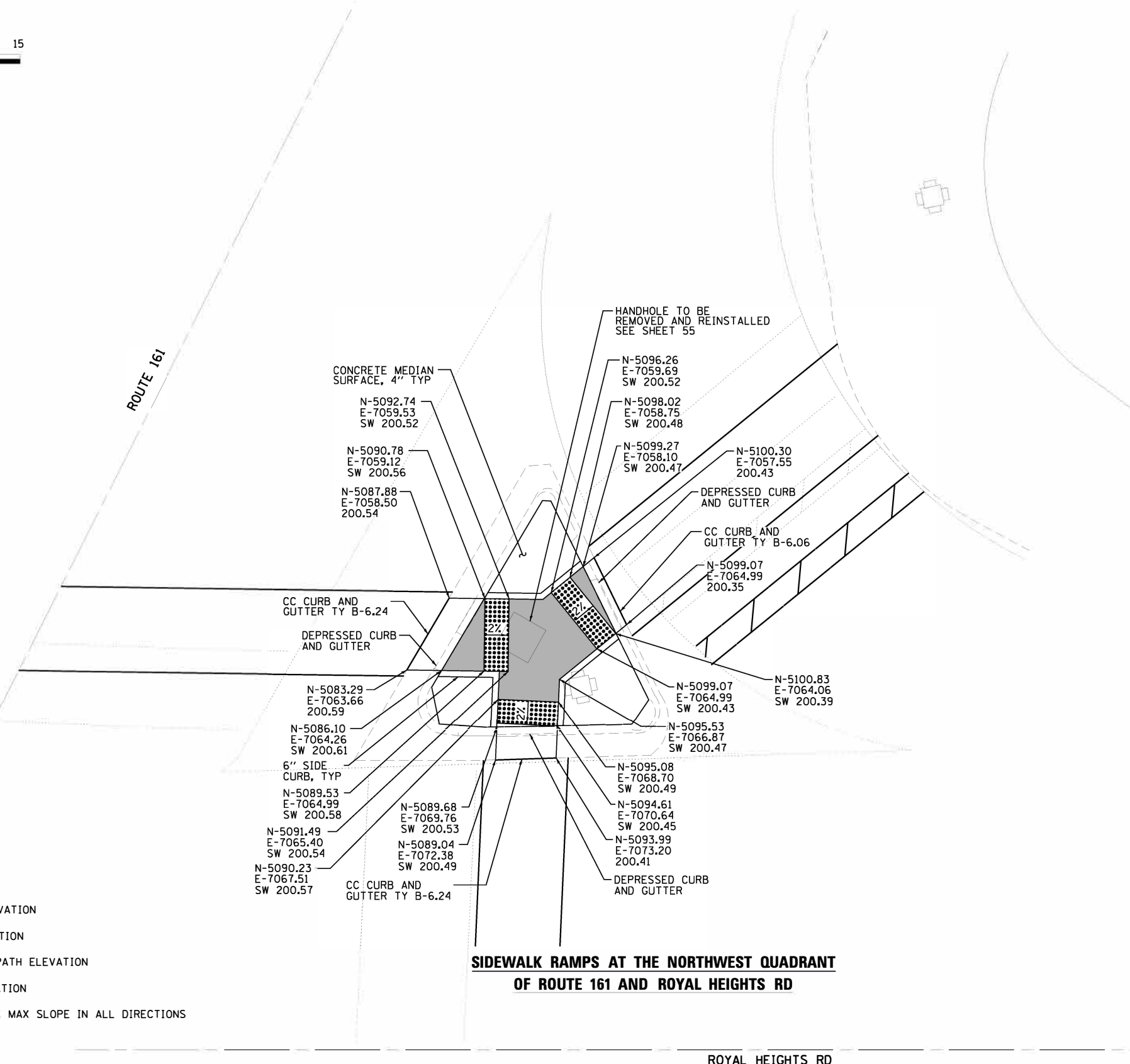
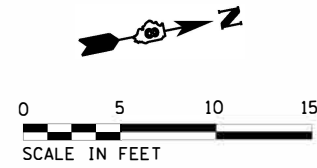


LEGEND

- 650.00 PROPOSED PAVEMENT ELEVATION
- E 650.00 EXISTING SURFACE ELEVATION
- SW 650.00 PROPOSED SIDEWALK OR PATH ELEVATION
- FL 650.00 GUTTER FLOW LINE ELEVATION
- LEVEL LANDING AREA 1.5% MAX SLOPE IN ALL DIRECTIONS
- DETECTABLE WARNINGS

**SIDEWALK RAMPS AT THE SOUTHWEST QUADRANT
OF ROUTE 161 AND ROYAL HEIGHTS RD**

ROYAL HEIGHTS RD

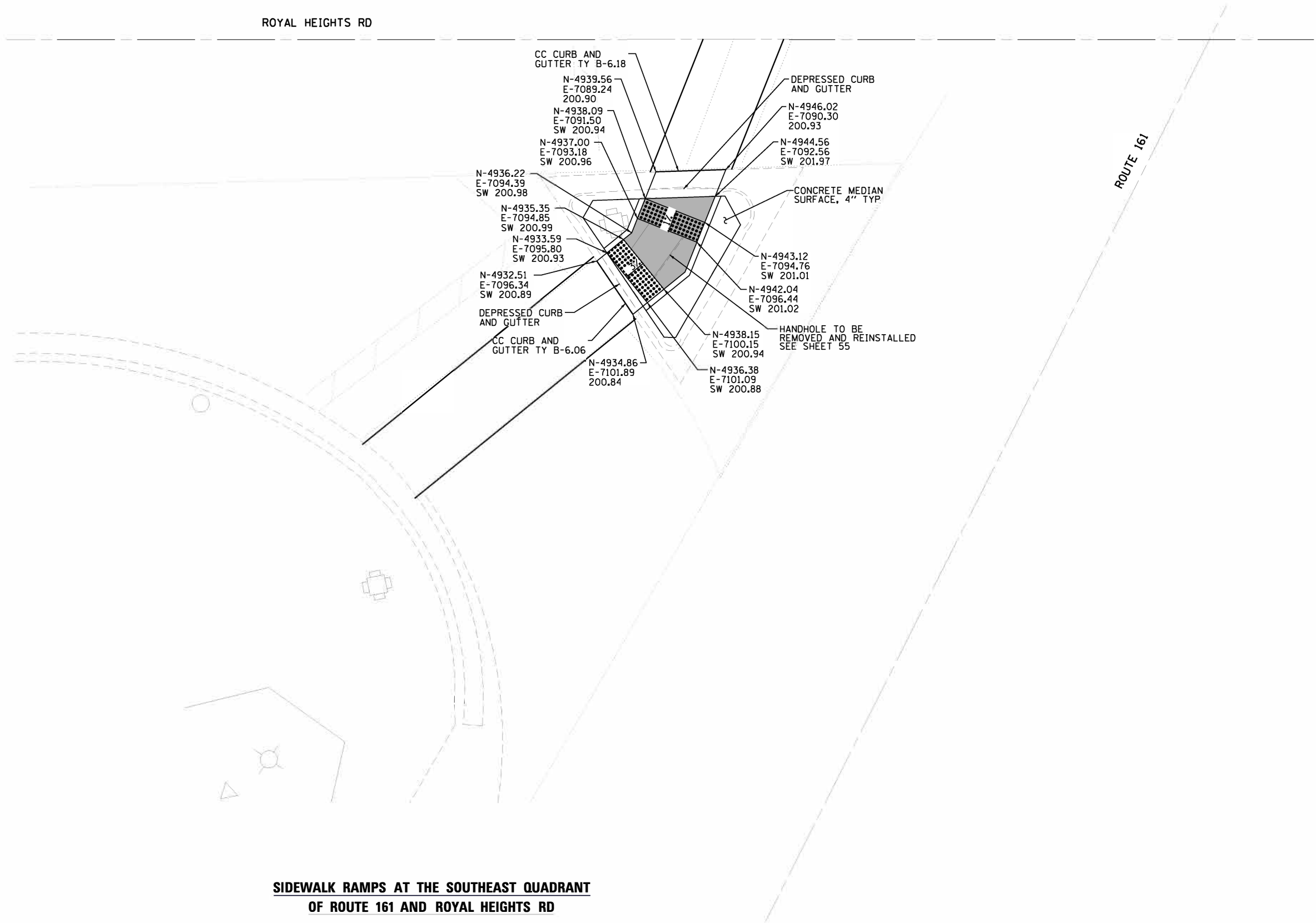
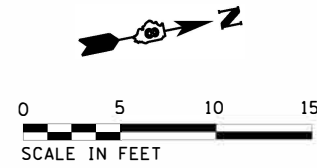


LEGEND

- 650.00 PROPOSED PAVEMENT ELEVATION
- E 650.00 EXISTING SURFACE ELEVATION
- SW 650.00 PROPOSED SIDEWALK OR PATH ELEVATION
- FL 650.00 GUTTER FLOW LINE ELEVATION
- LEVEL LANDING AREA 1.5% MAX SLOPE IN ALL DIRECTIONS
- DETECTABLE WARNINGS

**SIDEWALK RAMPS AT THE NORTHWEST QUADRANT
OF ROUTE 161 AND ROYAL HEIGHTS RD**

ROYAL HEIGHTS RD



LEGEND

- 650.00 PROPOSED PAVEMENT ELEVATION
- E 650.00 EXISTING SURFACE ELEVATION
- SW 650.00 PROPOSED SIDEWALK OR PATH ELEVATION
- FL 650.00 GUTTER FLOW LINE ELEVATION
- LEVEL LANDING AREA 1.5% MAX SLOPE IN ALL DIRECTIONS
- DETECTABLE WARNINGS

**SIDEWALK RAMPS AT THE SOUTHEAST QUADRANT
OF ROUTE 161 AND ROYAL HEIGHTS RD**

Farnsworth
GROUP
2211 W BRADLEY AVENUE
CHAMPAIGN, ILLINOIS 61821
(217) 352-7408 / info@f-w.com

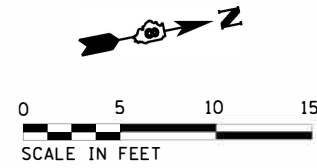
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIDEWALK RAMP DETAILS

SCALE: 1"=5' SHEET 8 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4, 122RS-2	ST. CLAIR	74	67
CONTRACT NO. 76H45				
ILLINOIS FED. AID PROJECT				



ROUTE 161

ROYAL HEIGHTS RD

N-5079.13
E-7111.00
SW 200.16

N-5085.28
E-7111.10
SW 200.07

N-5084.96
E-7112.41
SW 200.09

N-5078.66
E-7112.94
SW 200.13

N-5084.49
E-7114.36
SW 200.06

6" SIDE
CURB, TYP

TRAFFIC SIGNAL
POST

N-5077.71
E-7116.82
SW 200.07

N-5083.54
E-7118.24
SW 200.00

1.5%

LEGEND

- 650.00 PROPOSED PAVEMENT ELEVATION
- E 650.00 EXISTING SURFACE ELEVATION
- SW 650.00 PROPOSED SIDEWALK OR PATH ELEVATION
- FL 650.00 GUTTER FLOW LINE ELEVATION
- LEVEL LANDING AREA 1.5% MAX SLOPE IN ALL DIRECTIONS
- DETECTABLE WARNINGS

**NORTHEAST QUADRANT
OF ROUTE 161 AND ROYAL HEIGHTS RD**

Farnsworth
GROUP
2211 W BRADLEY AVENUE
CHAMPAIGN, ILLINOIS 61821
(217) 352-7408 / info@f-w.com

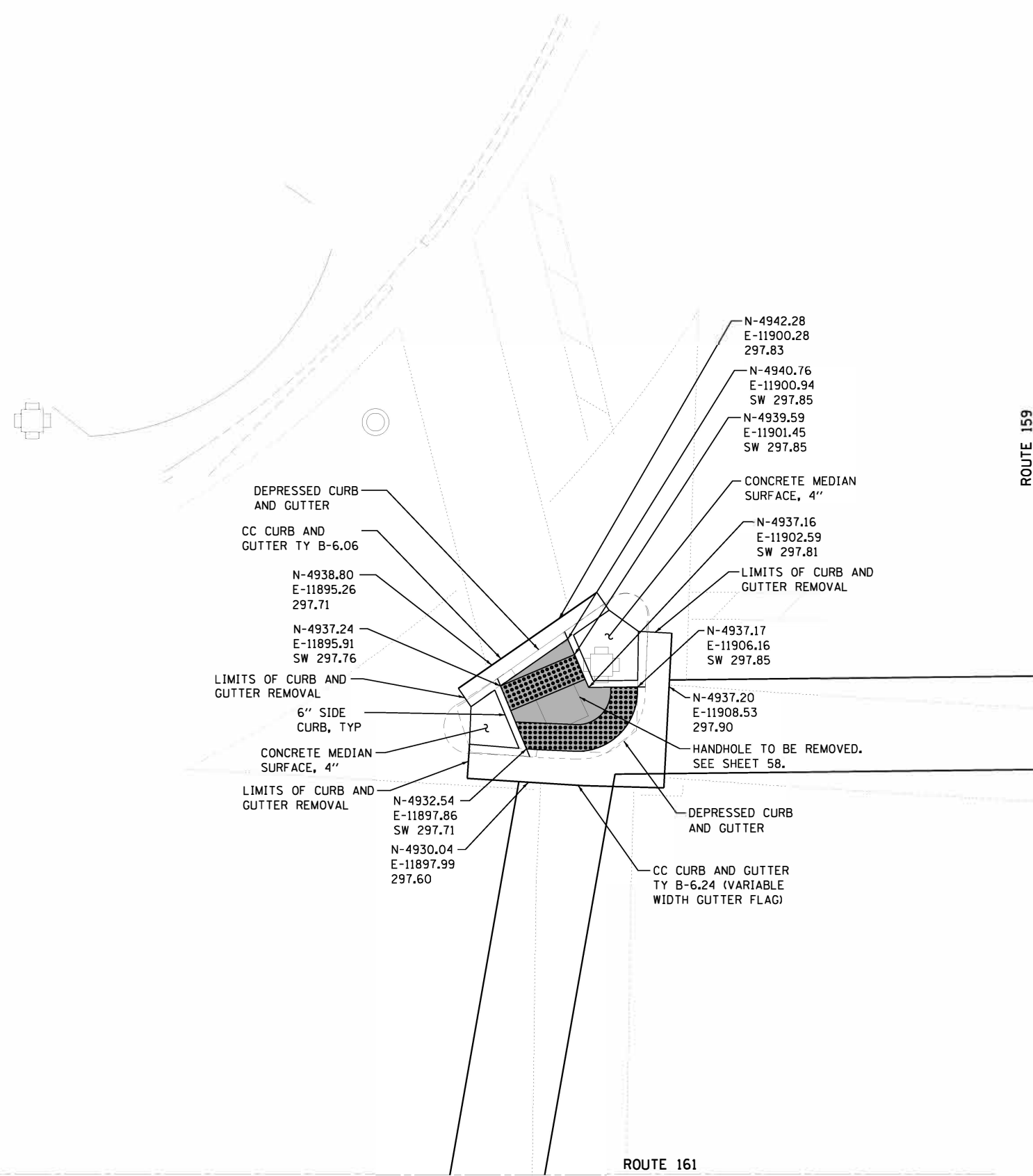
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	DRAWN = JDK	REVISED =
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIDEWALK RAMP DETAILS

SCALE: 1"=5' SHEET 9 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4, 122RS-2	ST. CLAIR	74	68
CONTRACT NO. 76H45				
ILLINOIS FED. AID PROJECT				



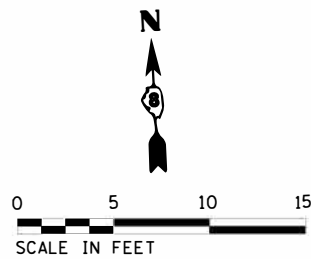
LEGEND

- 650.00 PROPOSED PAVEMENT ELEVATION
- E 650.00 EXISTING SURFACE ELEVATION
- SW 650.00 PROPOSED SIDEWALK OR PATH ELEVATION
- FL 650.00 GUTTER FLOW LINE ELEVATION
- LEVEL LANDING AREA 1.5% MAX SLOPE IN ALL DIRECTIONS
- DETECTABLE WARNINGS

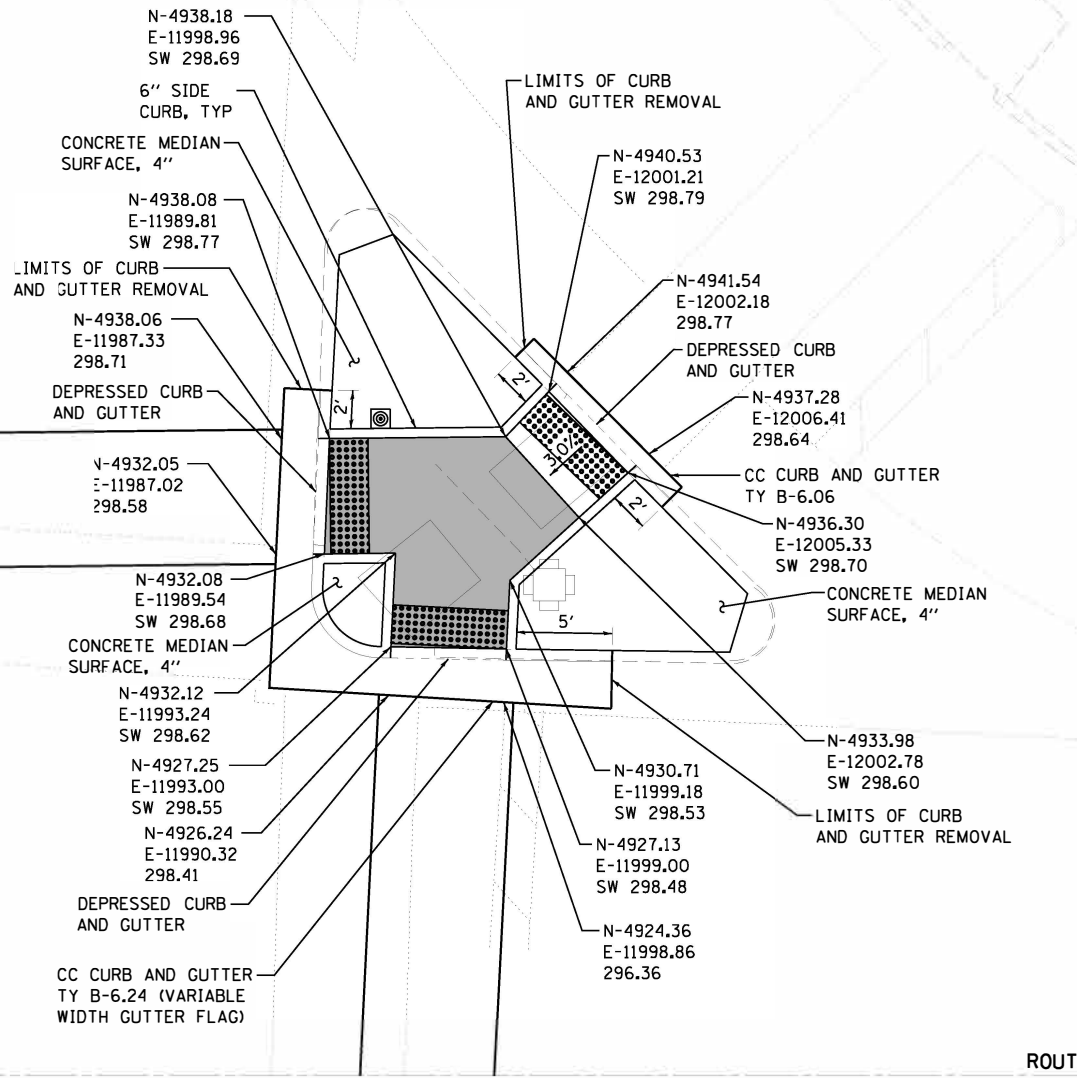
**SIDEWALK RAMPS AT THE NORTHWEST QUADRANT
OF ROUTE 161 AND ROUTE 159**

USER NAME: *#USER#	DESIGNED - DSC	REVISED -
PLT. SCALE: *#SCALE#	DRAWN - JDK	REVISED -
PLT. DATE: *#DATE#	CHECKED - JLF	REVISED -
	DATE - 05/11/2017	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4, 122RS-2	ST. CLAIR	74	69
CONTRACT NO. 76H45				
ILLINOIS FED. AID PROJECT				



ROUTE 159



ROUTE 161

LEGEND

- 650.00 PROPOSED PAVEMENT ELEVATION
- E 650.00 EXISTING SURFACE ELEVATION
- SW 650.00 PROPOSED SIDEWALK OR PATH ELEVATION
- FL 650.00 GUTTER FLOW LINE ELEVATION
- LEVEL LANDING AREA 1.5% MAX SLOPE IN ALL DIRECTIONS
- DETECTABLE WARNINGS

SIDEWALK RAMPS AT THE NORTHEAST QUADRANT OF ROUTE 161 AND ROUTE 159



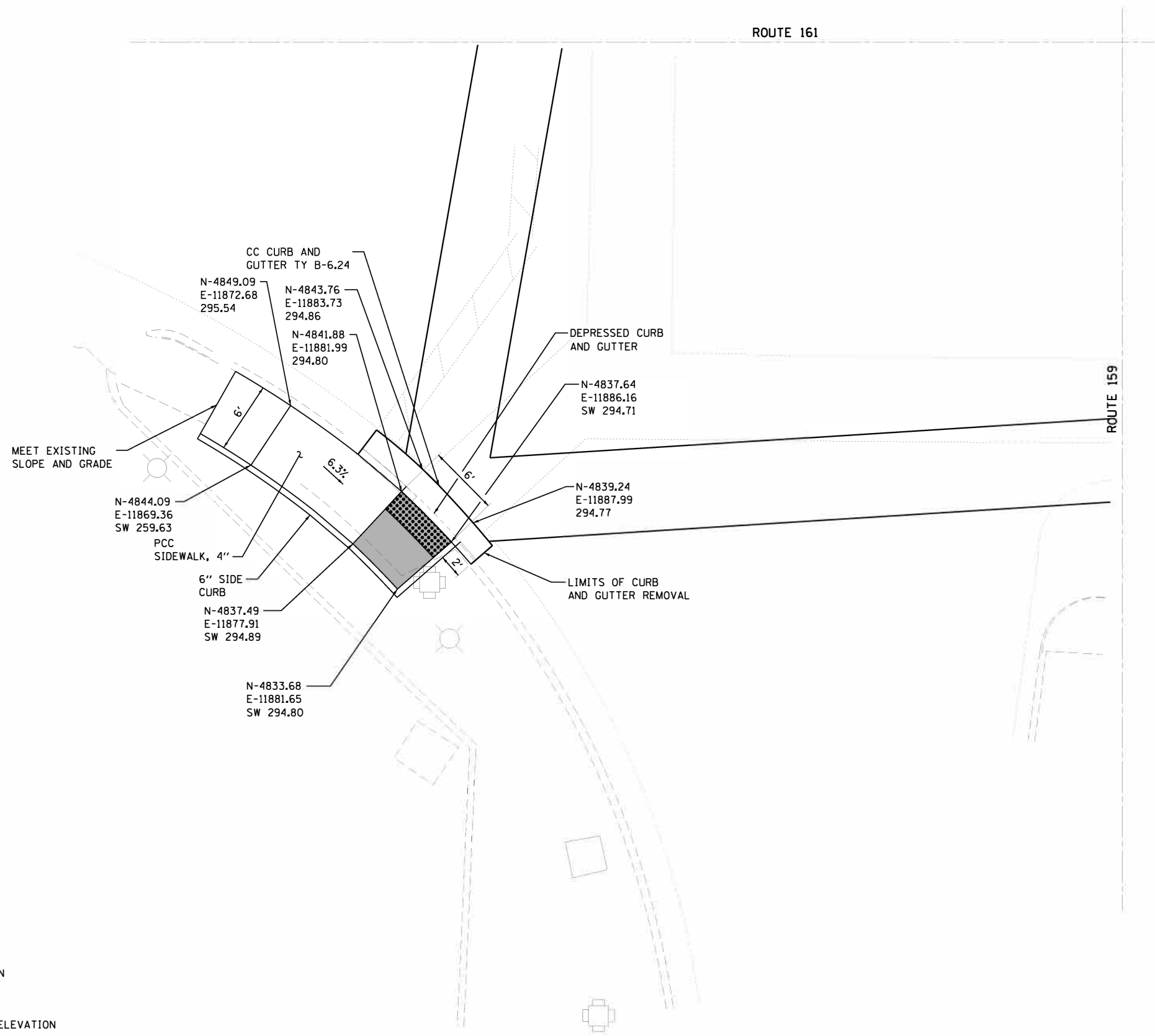
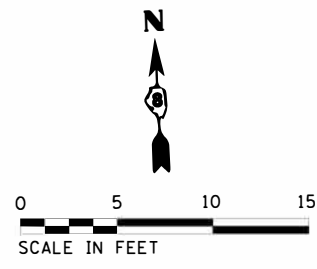
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	DRAWN - JDK	REVISED -
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PLT DATE = #DATE#	DATE - 05/11/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIDEWALK RAMP DETAILS

SCALE: 1"=5' SHEET 11 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4, 122RS-2	ST. CLAIR	74	70
CONTRACT NO. 76H45				
ILLINOIS FED. AID PROJECT				



LEGEND

- 650.00 PROPOSED PAVEMENT ELEVATION
- E 650.00 EXISTING SURFACE ELEVATION
- SW 650.00 PROPOSED SIDEWALK OR PATH ELEVATION
- FL 650.00 GUTTER FLOW LINE ELEVATION
- LEVEL LANDING AREA 1.5% MAX SLOPE IN ALL DIRECTIONS
- DETECTABLE WARNINGS

SIDEWALK RAMPS AT THE SOUTHWEST QUADRANT OF ROUTE 161 AND ROUTE 159

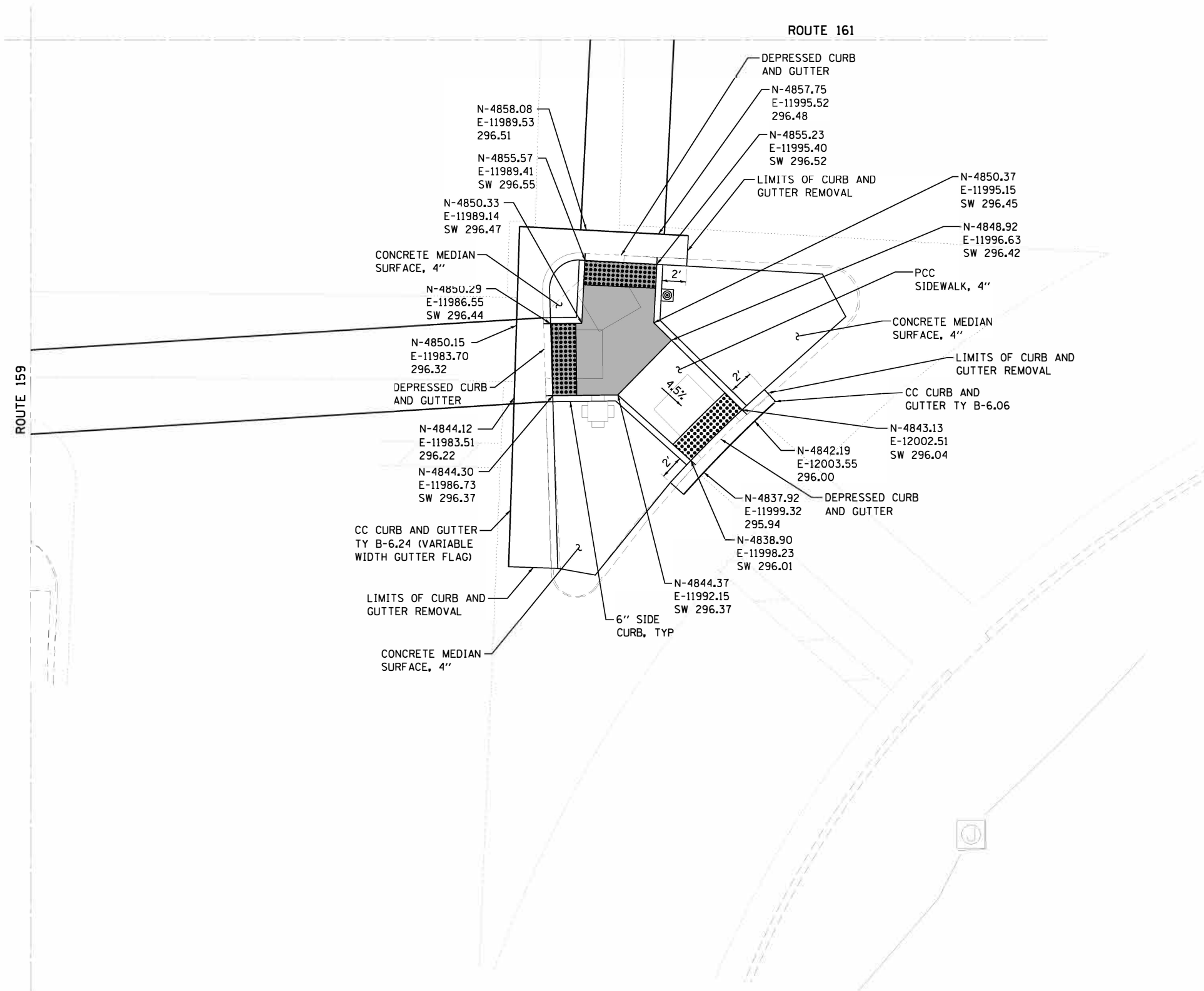
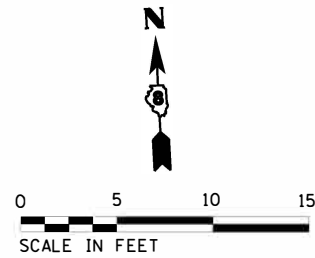
Farnsworth GROUP
 2211 W BRADLEY AVENUE
 CHAMPAIGN, ILLINOIS 61821
 (217) 352-7408 / info@f-w.com

DESIGNED - DSC	REVISÉ -
DRAWN - JDK	REVISÉ -
CHECKED - JLF	REVISÉ -
DATE - 05/11/2017	REVISÉ -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SIDEWALK RAMP DETAILS	
SCALE: 1"=5'	SHEET 12 OF 13 SHEETS STA. TO STA.

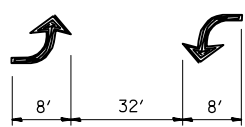
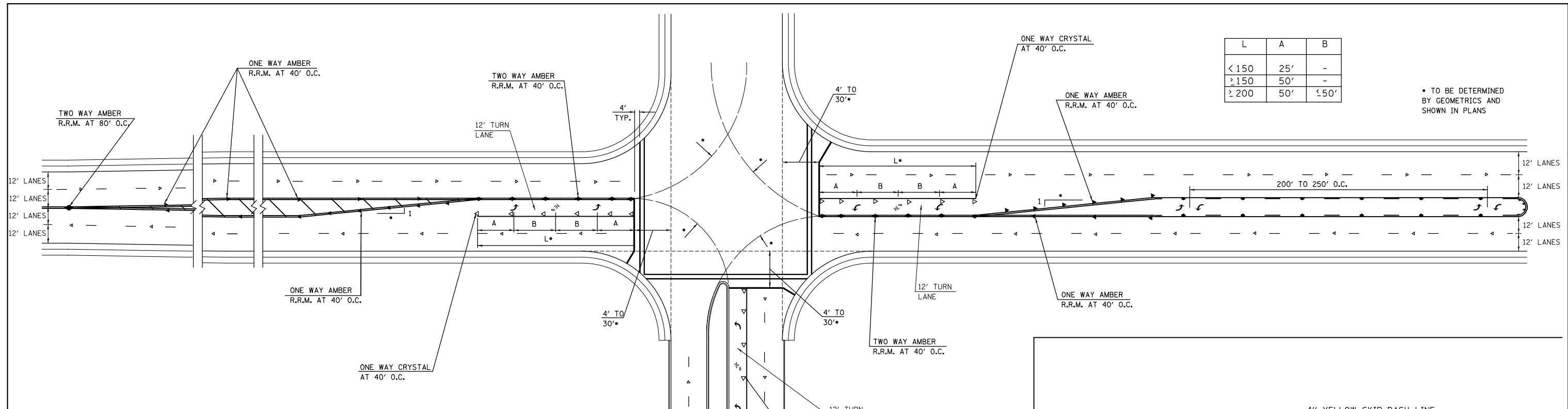
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4, 122RS-2	ST. CLAIR	74	71
CONTRACT NO. 76H45				
ILLINOIS FED. AID PROJECT				



LEGEND

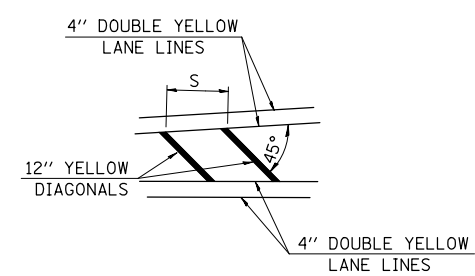
- 650.00 PROPOSED PAVEMENT ELEVATION
- E 650.00 EXISTING SURFACE ELEVATION
- SW 650.00 PROPOSED SIDEWALK OR PATH ELEVATION
- FL 650.00 GUTTER FLOW LINE ELEVATION
- LEVEL LANDING AREA 1.5% MAX SLOPE IN ALL DIRECTIONS
- DETECTABLE WARNINGS

**SIDEWALK RAMPS AT THE SOUTHEAST QUADRANT
OF ROUTE 161 AND ROUTE 159**

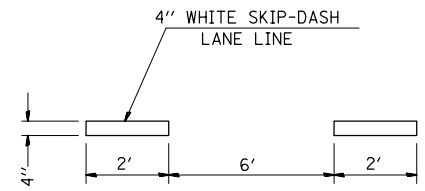


BI-DIRECTIONAL TURN ARROW @ 200' O. C.

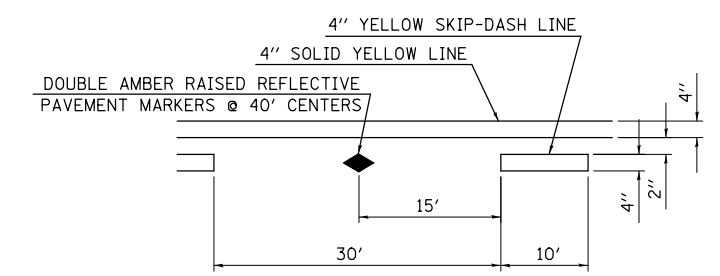
SPEED	CHANNELIZATION & GORES	OBJECTS	CONTINUOUS
< 30 MPH	15'	10'	50'
30-45 MPH	20'	15'	75'
> 45 MPH	30'	20'	150'



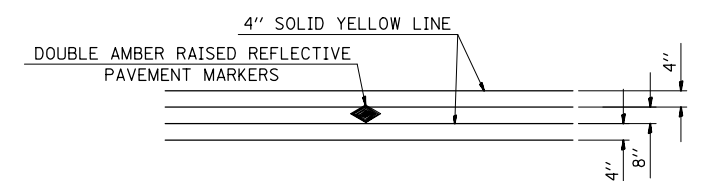
TYPICAL APPLICATION FOR MEDIAN STRIPING



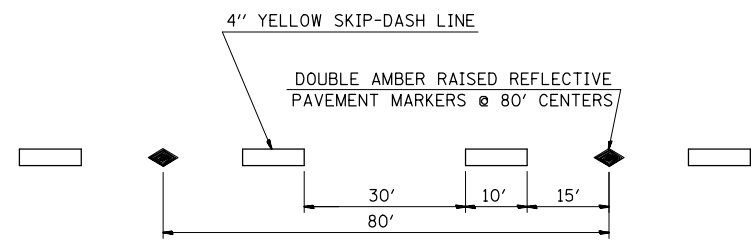
TYPICAL APPLICATION FOR WHITE SKIP-DASH LANE LINES



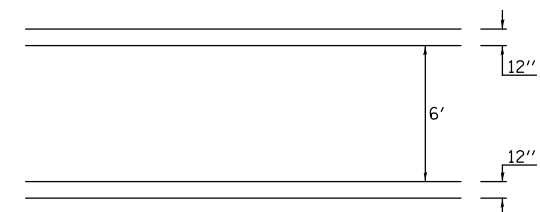
TYPICAL APPLICATION FOR BI-DIRECTIONAL TURN LANE WITH RAISED REFLECTIVE PAVEMENT MARKERS



TYPICAL APPLICATION FOR DOUBLE YELLOW LANE LINES WITH RAISED REFLECTIVE PAVEMENT MARKERS



TYPICAL APPLICATION FOR YELLOW SKIP-DASH LINES WITH RAISED REFLECTIVE PAVEMENT MARKERS



TYPICAL APPLICATION FOR PEDESTRIAN CROSSWALK

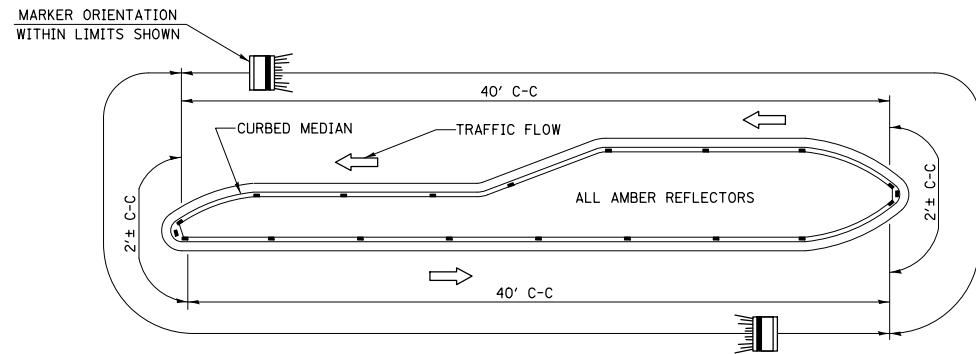
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

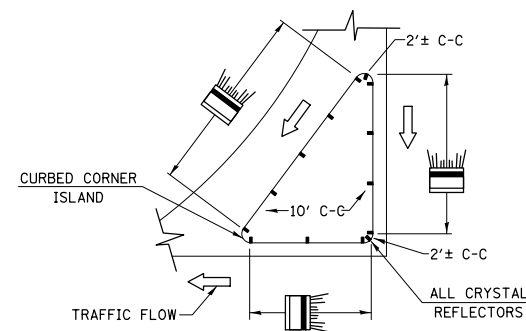
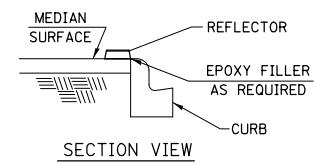
TURN LANE PAVEMENT MARKING DETAIL

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

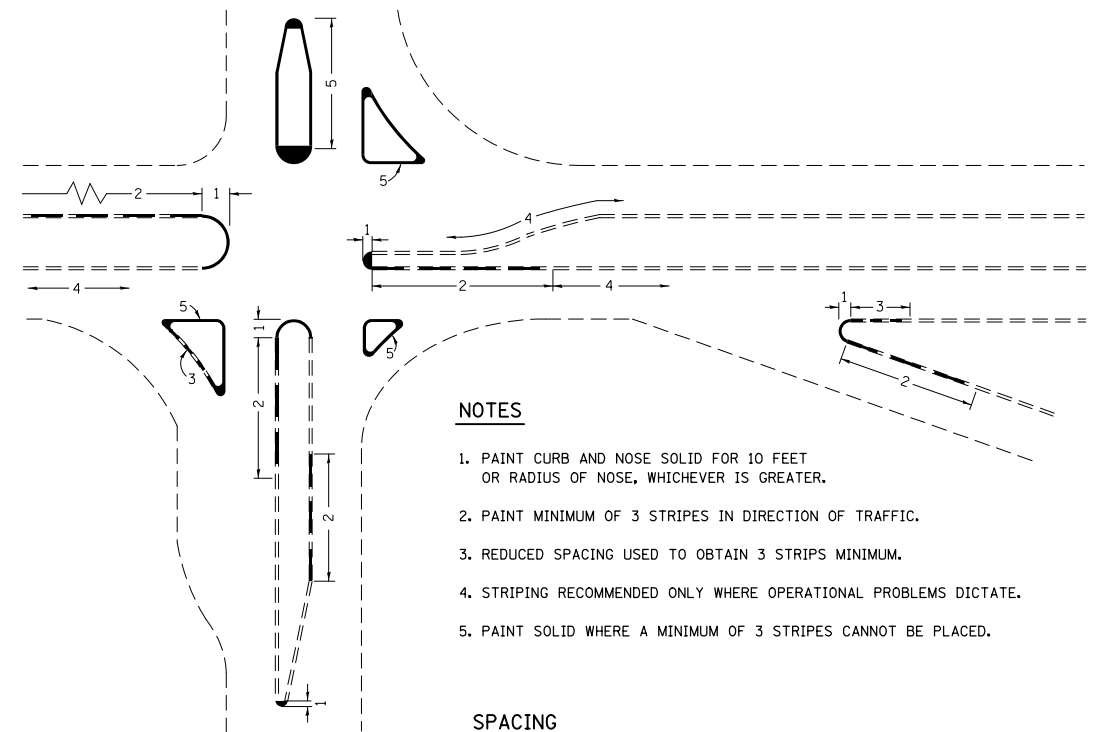
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	73
CONTRACT NO. 76H45				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



- NOTES**
1. CURB REFLECTORS SHALL BE MONO-DIRECTIONAL AND POSITIONED SO THAT THE REFLECTIVE FACE IS FACING THE APPROACHING TRAFFIC.
 2. CURB REFLECTORS SHALL BE SECURED IN PLACE WITH AN EPOXY ADHESIVE.
 3. CURB REFLECTORS SHALL BE EITHER AMBER OR CRYSTAL IN COLOR.



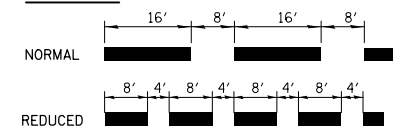
TYPICAL PLACEMENT OF CURB REFLECTORS ON MEDIANS
(NO SCALE)



NOTES

1. PAINT CURB AND NOSE SOLID FOR 10 FEET OR RADIUS OF NOSE, WHICHEVER IS GREATER.
2. PAINT MINIMUM OF 3 STRIPES IN DIRECTION OF TRAFFIC.
3. REDUCED SPACING USED TO OBTAIN 3 STRIPS MINIMUM.
4. STRIPING RECOMMENDED ONLY WHERE OPERATIONAL PROBLEMS DICTATE.
5. PAINT SOLID WHERE A MINIMUM OF 3 STRIPES CANNOT BE PLACED.

SPACING



CURB MARKING

FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG.illinois.gov\PIDOT\Documents\IDOT Offices\District 8\Projects\0875\Drawings\084EBID\084EBID.dwg		CHECKED -	REVISED -
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	PLOT DATE = 1/11/2018		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MEDIAN PAVEMENT MARKING DETAIL	
SCALE:	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-4,122RS-2	ST. CLAIR	74	74
CONTRACT NO. 76H45				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				