04-26-2019 LETTING ITEM 006

F.A. RTE	SECT OI	COUNTY	TOTAL SHEETS	SHEET NO.
	56R 2&3) S	DUPAGE	* 40	1
	*FAP 365 / FAU 3545 ILLINOIS	CONTRACT NO. 60V17		

* 40 + 1 = 41 TOTAL SHEETS

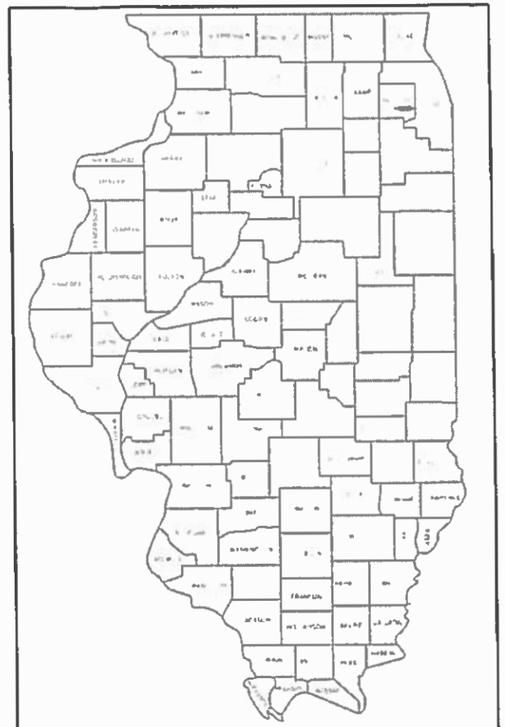
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

F.A.P. ROUTE 365 / F.A.U. ROUTE 3545: IL 56 (BUTTERFIELD RD.)
I–355 TO 22ND STREET
SECTION: (56R–2&3)RS
PROJECT: NHPP–STP–L5Q1(041)
RESURFACING (3P) & PEDESTRIAN RAMPS
DUPAGE COUNTY

C–91–524–12

D–91–524–12



LOCATION OF SECTION INDICATED THUS: –

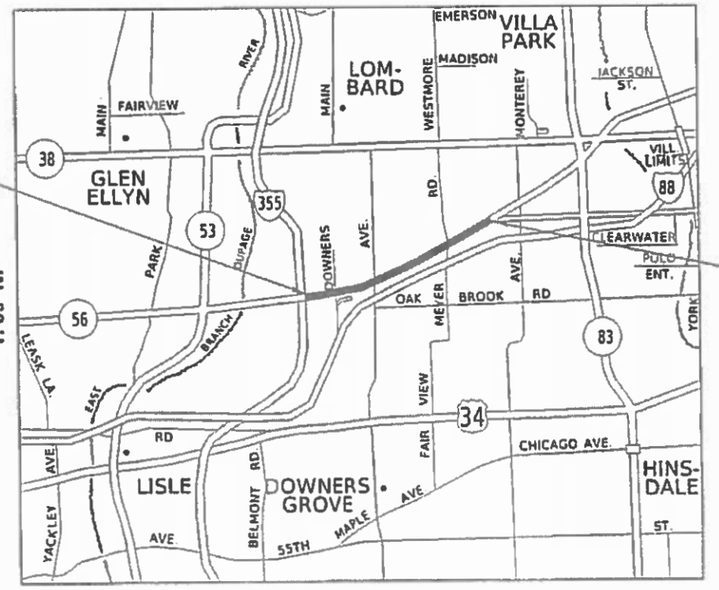
FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENTS ARE LOCATED IN THE VILLAGES OF LOMBARD, OAK BROOK, AND DOWNERS GROVE.

TRAFFIC DATA

ADT (2017) = 43,600
POSTED SPEED LIMIT = 45 MPH

R. 11 E.



T. 39 N.

IMPROVEMENT BEGINS STA 7+83

IMPROVEMENT ENDS STA 138+00

OMISSION FROM STA 53+85 TO STA 56+22

YORK TOWNSHIP

GROSS LENGTH = 13,017 FT. = 2.47 MILE
NET LENGTH = 12,780 FT. = 2.42 MILE

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 EXCAVATORS
1–800–892–0123
OR 811

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED January 29 20 19
Anthony J. Quigley / AB
REGIONAL ENGINEER
March 22 20 19
ENGINEER OF DESIGN AND ENVIRONMENT
March 29 20 19
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PROJECT ENGINEER: ALAIN MIDY (847) 221–3056
PROJECT MANAGER: FAWAD AQUEEL (847) 705–4247

CONTRACT NO. 60V17

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV. 3/20/19

INDEX OF SHEETS

STATE STANDARDS

STANDARD NO	DESCRIPTION
442201-07	CLASS C AND D PATCHES
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
635006-04	REFLECTOR AND TERMINAL MARKER PLACEMENT
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≧ 45 MPH
701426-06	LANE CLOSURE, MULTILANE, INTERMITTANT OR MOVING OPERATIONS ≧ 45 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER, OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES

GENERAL NOTES:

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES (48 HOUR NOTIFICATION IS REQUIRED).

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGES OF DOWNERS GROVE, LOMBARD, AND OAK BROOK.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

USE #8 EPOXY-COATED TIE BARS, CONFORMING TO ART. 1006.10 OF THE STANDARD SPECIFICATIONS, FOR ALL TIE BARS. USE THE "LONGITUDINAL CONSTRUCTION JOINT (TIE BAR GROUTED IN PLACE)" DETAIL SHOWN ON HIGHWAY STANDARD 420001 FOR ALL LONGITUDINAL JOINTS.

ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.

ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT [OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)], WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½INCHES (40MM) WHERE THE SPEED LIMIT IS 40 MPH (80KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH (80 KM/H), WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H) OR A NOTCHED LONGITUDINAL WEDGE IS USED.

THE ENGINEER SHALL CONTACT DON CHIARUGI, ARTERIAL TRAFFIC OPERATIONS ENGINEER AT DON.CHIARUGI@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT
OF PERMANENT PAVEMENT MARKINGS.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.

OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.

THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM THE BUREAU OF CONSTRUCTION.

CONTACT THE IDOT ROADSIDE DEVELOPMENT UNIT AT 847-705-4171 AT LEAST 2 WEEKS PRIOR TO BEGINNING LANDSCAPE AND FORESTRY WORK FOR LAYOUT.

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INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(56R-2&3) RS	DUPAGE	41	2
* F.A.P. 365 / F.A.U.3545		CONTRACT NO. 60V17		
	ILLINOIS FED. AID PROJECT			

REV. 3/20/19

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE							SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT		NHPP 80% FED 20% STATE 0005	STP 80% FED 20% STATE 0005						CODE NO	ITEM	UNIT		NHPP 80% FED 20% STATE 0005	STP 80% FED 20% STATE 0005					
20200100	EARTH EXCAVATION	CU YD	20	10	10					*	42400800	DETECTABLE WARNINGS	SQ FT	182	91	91					
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	92	46	46						44000160	HOT-MIX ASPHALT SURFACE REMOVAL, 2	SQ YD	83217	17099	66118					
												3/4"									
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	2	1	1																
											44000600	SIDEWALK REMOVAL	SQ FT	1381	690.5	690.5					
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	2	1	1																
25200110	SODDING, SALT TOLERANT	SQ YD	92	46	46																
											44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	351		351					
25200200	SUPPLEMENTAL WATERING	UNIT	1	0.5	0.5																
20101350	TREE PRUNING (OVER 10" DIAMETER)	EACH	7		7						44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	2802		2802					
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK	POUND	63032	31516	31516																
	COAT)										44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	2102		2102					
40400001	FIBER-MODIFIED ASPHALT SEALING	FOOT	10362	10362																	
40600400	MIXTURE FOR CRACKS, JOINTS, AND	TON	400	200	200						44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	1751		1751					
	FLANGEWAYS																				
40400070	ASPHALTIC EMULSION SLURRY SEAL, MIXTURE C	SQ YD	15,745	15,745							60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	8	4	4					
40600827	POLYMERIZED LEVELING BINDER (MACHINE	TON	7704	3852	3852																
	METHOD), IL-4.75, N50										60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	18	9	9					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT	SQ YD	607	240	367																
	JOINT																				
40600985	PORTLAND CEMENT CONCRETE SURFACE	SQ YD	1131	1131																	
	REMOVAL - BUTT JOINT																				
42001300	PROTECTIVE COAT	SQ YD	1381	690.5	690.5					✳	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	20	10	10					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1381	690.5	690.5					✳	66900530	SOIL DISPOSAL ANALYSIS	EACH	2	1	1					

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS 56 (BUTTERFIELD RD.) FROM I-355 TO 22ND STREET
SUMMARY OF QUANTITIES

SCALE: | SHEET NO. 1 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(56R-2 & 3) RS	DUPAGE	41	3
• F.A.P. 365 / F.A.U. 3545		CONTRACT NO. 60V17		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

*= SPECIALTY ITEM

✳ SPECIALTY ITEMS

REV. 3/20/19

	SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
	CODE NO	ITEM	UNIT		NHPP 80% FED 20% STATE 0005	STP 80% FED 20% STATE 0005				
✳	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION	LSUM	1	0.5	0.5				
		PLAN								
✳	66901002	ON-SITE MONITORING OF REGULATED	CAL DA	10	5	5				
		SUBSTANCES								
✳	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION	LSUM	1	0.5	0.5				
		REPORT								
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	4.5	4.5				
	67100100	MOBILIZATION	L SUM	1	0.5	0.5				
	70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	10	10					
	70102630	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	0.5	0.5				
		STANDARD 701601								
	70102632	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	0.5	0.5				
		STANDARD 701602								
	70102635	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	0.5	0.5				
		STANDARD 701701								
	70102640	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	0.5	0.5				
		STANDARD 701801								
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	5690	2845	2845				
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	5690	2845	2845				
	70300210	TEMPORARY PAVEMENT MARKING LETTERS AND	SQ FT	2475.2	1237.6	1237.6				
		SYMBOLS								

	SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
	CODE NO	ITEM	UNIT		NHPP 80% FED 20% STATE 0005	STP 80% FED 20% STATE 0005				
	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	47126	23563	23563				
	70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	12150	6075	6075				
	70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	5510	2755	2755				
	70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1040	520	520				
	70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	1352	676	676				
	70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	2846	1423	1423				
✳	78000100	THERMOPLASTIC PAVEMENT MARKING -	SQ FT	2475.5	1237.6	1237.9				
		LETTERS AND SYMBOLS								
✳	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	47126	23563	23563				
		4"								
✳	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	12150	6075	6075				
		6"								
✳	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	5510	2755	2755				
		8"								
✳	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	1040	520	520				
		12"								
✳	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	1352	676	676				
		24"								

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS 56 (BUTTERFIELD RD.) FROM I-355 TO 22ND STREET
SUMMARY OF QUANTITIES

SCALE: | SHEET NO. 2 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(56R-2 & 3) RS	DUPAGE	41	4
• F.A.P. 365 / F.A.U. 3545		CONTRACT NO. 60V17		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

*= SPECIALTY ITEM

✳ SPECIALTY ITEMS

REV. 3/21/19

	SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
	CODE NO	ITEM	UNIT		NHPP 80% FED 20% STATE 0005	STP 80% FED 20% STATE 0005				
✳	78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE	FOOT	1068	534	534				
		4"								
✳	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1600	800	800				
	78300200	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1544	722	722				
		REMOVAL								
	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2		2				
✳	88600600	DETECTOR LOOP REPLACEMENT	FOOT	5840	2920	2920				
	89502376	REBUILDING EXISTING HANDHOLE	EACH	4	4					
	X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	0.5	0.5				
	X4060004	POLYMERIZED HOT-MIX ASPHALT SURFACE	TON	13728	6864	6864				
		COURSE, STONE MATRIX ASPHALT, 9.5, N80								
	X4400100	PORTLAND CEMENT CONCRETE SURFACE	SQ YD	18168	18168					
		REMOVAL (VARIABLE DEPTH)								
**	X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	680	340	340				
	X6030310	FRAMES AND LIDS TO BE ADJUSTED	EACH	30	15	15				
		(SPECIAL)								
	X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	32622	16311	16311				
	Z0004562	COMBINATION CONCRETE CURB AND GUTTER	FOOT	3200	1600	1600				
		REMOVAL AND REPLACEMENT								
**	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	104	52	52				
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	205.6	102.8	102.8				

	SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
	CODE NO	ITEM	UNIT		NHPP 80% FED 20% STATE 0005	STP 80% FED 20% STATE 0005				
	Z0064800	SELECTIVE CLEARING	UNITS	15		15				
	K0029614	WEED CONTROL, AQUATIC	GALLON	2.5		2.5				
	K0029624	WEED CONTROL, TEASEL	GALLON	2.5	2.5					
	K0029632	WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL	GALLON	5	2.5	2.5				

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS 56 (BUTTERFIELD RD.) FROM I-355 TO 22ND STREET
SUMMARY OF QUANTITIES

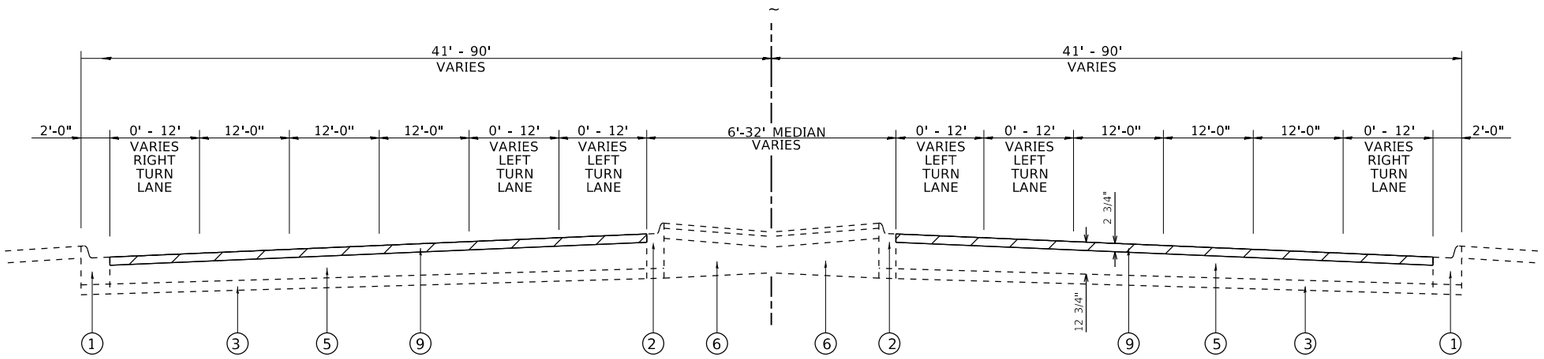
SCALE: | SHEET NO. 3 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(56R-2 & 3) RS	DUPAGE	41	5
• F.A.P. 365 / F.A.U. 3545		CONTRACT NO. 60V17		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

** 100% STATE

✳ SPECIALTY ITEMS

REV. 3/21/19

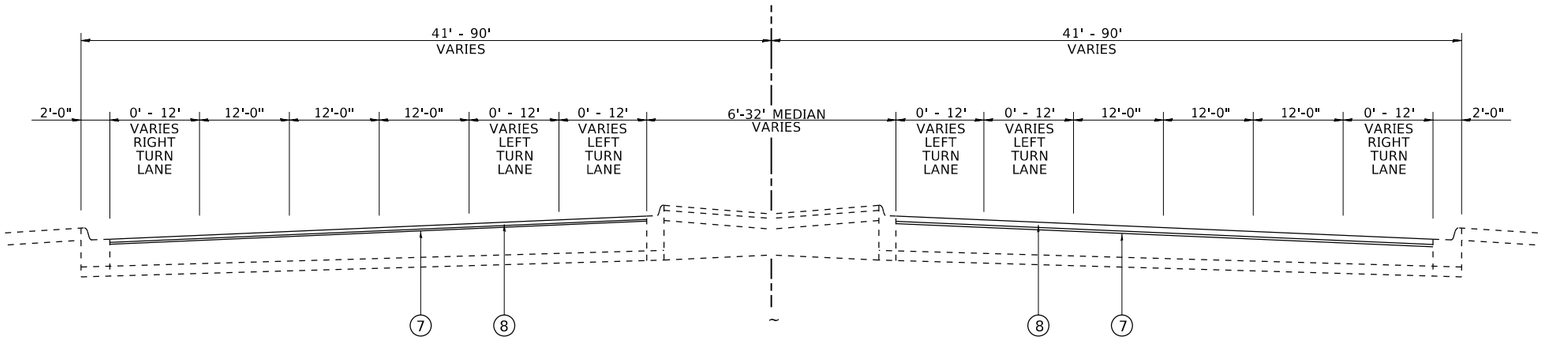


IL 56 – BUTTERFIELD RD.

EXISTING TYPICAL SECTION

STA. 7+83 TO STA. 20+86.5

STA. 73+63.5 TO STA. 138+00



IL 56 – BUTTERFIELD RD.

PROPOSED TYPICAL SECTION

STA. 7+83 TO STA. 20+86.5

STA. 73+63.5 TO STA. 138+00

LEGEND

1. EXIST. COMB. CONCRETE CURB & GUTTER, TYPE B-6.24
2. EXIST. COMB. CONCRETE CURB & GUTTER, TYPE M-6.12
3. EXIST. SUB-BASE GRANULAR MATERIAL, TYPE A, 4"
4. EXIST. SUB-BASE GRANULAR MATERIAL, TYPE A, 8"
5. EXIST. PCC PAVEMENT WITH HMA OVERLAY, 12 3/4"
6. EXIST. CONCRETE MEDIAN SURFACE, 4"
7. PROP. POLYMERIZED LEVERLING BINDER, (MM), IL 4.75, N50, 1"
8. PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, N80, 1 3/4"
9. PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"
10. PROP. PCC SURFACE REMOVAL, VAR. DEPTH

THE CONTRACTOR SHALL MILL FIRST THEN PATCH

HMA MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE USES	**VOIDS AT Ndes**	
PAVEMENT RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, N80	3.5% @ 80 GYR	**PFP**
POLYMERIZED LEVELING BINDER, (MM), IL 4.75, N50	3.5% @ 50 GYR	**QCP**
PATCHING		
CLASS D PATCHES (HMA BINDER, IL-19.0 mm)	4.0% @ 70 GYR	**QC / QA**
QMP Designation: Quality Control/Quality Assurance (QC/QA); Quality Control for Performance (QCP); Pay for Performance (PFP)		

NOTE:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN

2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.

   QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

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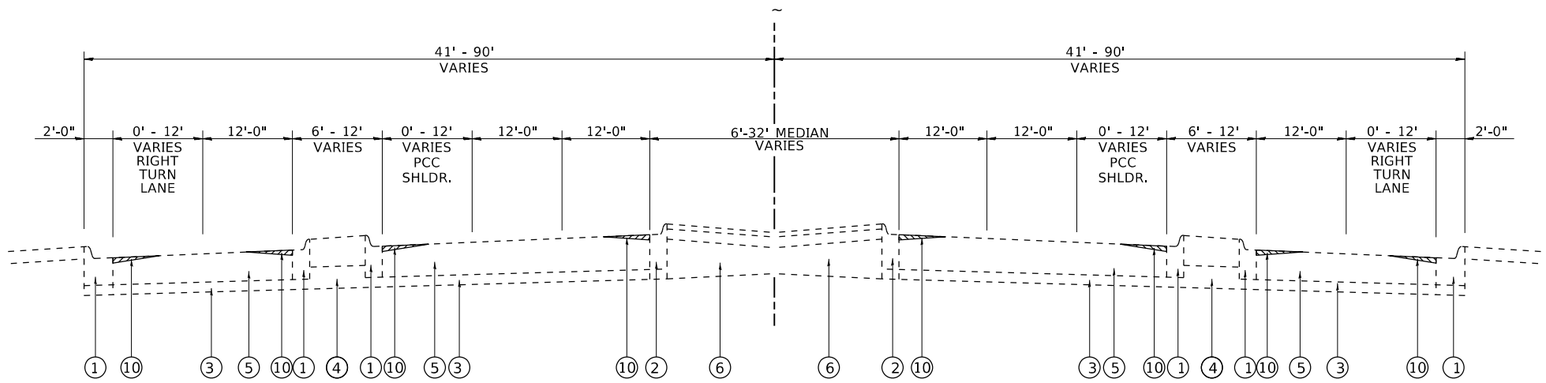
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
IL ROUTE 56 (BUTTERFIELD ROAD)

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(56R-2&3) RS	DUPAGE	41	6
* F.A.P. 365 / F.A.U. 3545		CONTRACT NO. 60V17		
	ILLINOIS	FED. AID PROJECT		



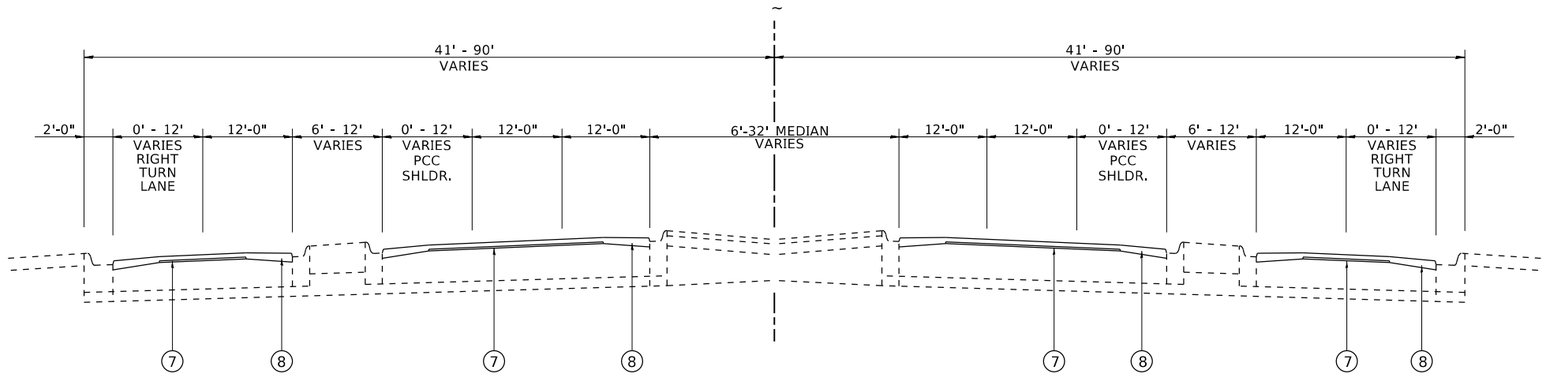
IL 56 – BUTTERFIELD RD.

EXISTING TYPICAL SECTION

STA. 20+86.5 TO STA. 73+63.5

LEGEND

1. EXIST. COMB. CONCRETE CURB & GUTTER, TYPE B-6.24
2. EXIST. COMB. CONCRETE CURB & GUTTER, TYPE M-6.12
3. EXIST. SUB-BASE GRANULAR MATERIAL, TYPE A, 4"
4. EXIST. SUB-BASE GRANULAR MATERIAL, TYPE A, 8"
5. EXIST. PCC PAVEMENT, 10"
6. EXIST. CONCRETE MEDIAN SURFACE, 4"
7. PROP. POLYMERIZED LEVERLING BINDER, (MM), IL 4.75, N50, 1"
8. PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, N80, 1 3/4"
9. PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"
10. PROP. PCC SURFACE REMOVAL, VAR. DEPTH



IL 56 – BUTTERFIELD RD.

PROPOSED TYPICAL SECTION

STA. 20+86.5 TO STA. 73+63.5

USER NAME = rothjp	DESIGNED -	REVISED -	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 2/22/2019	DATE -	REVISED -	

TYPICAL SECTIONS
IL ROUTE 56 (BUTTERFIELD ROAD)

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
"	(56R-2&3) RS	DUPAGE	41	7
* F.A.P. 365 / F.A.U. 3545		CONTRACT NO. 60V17		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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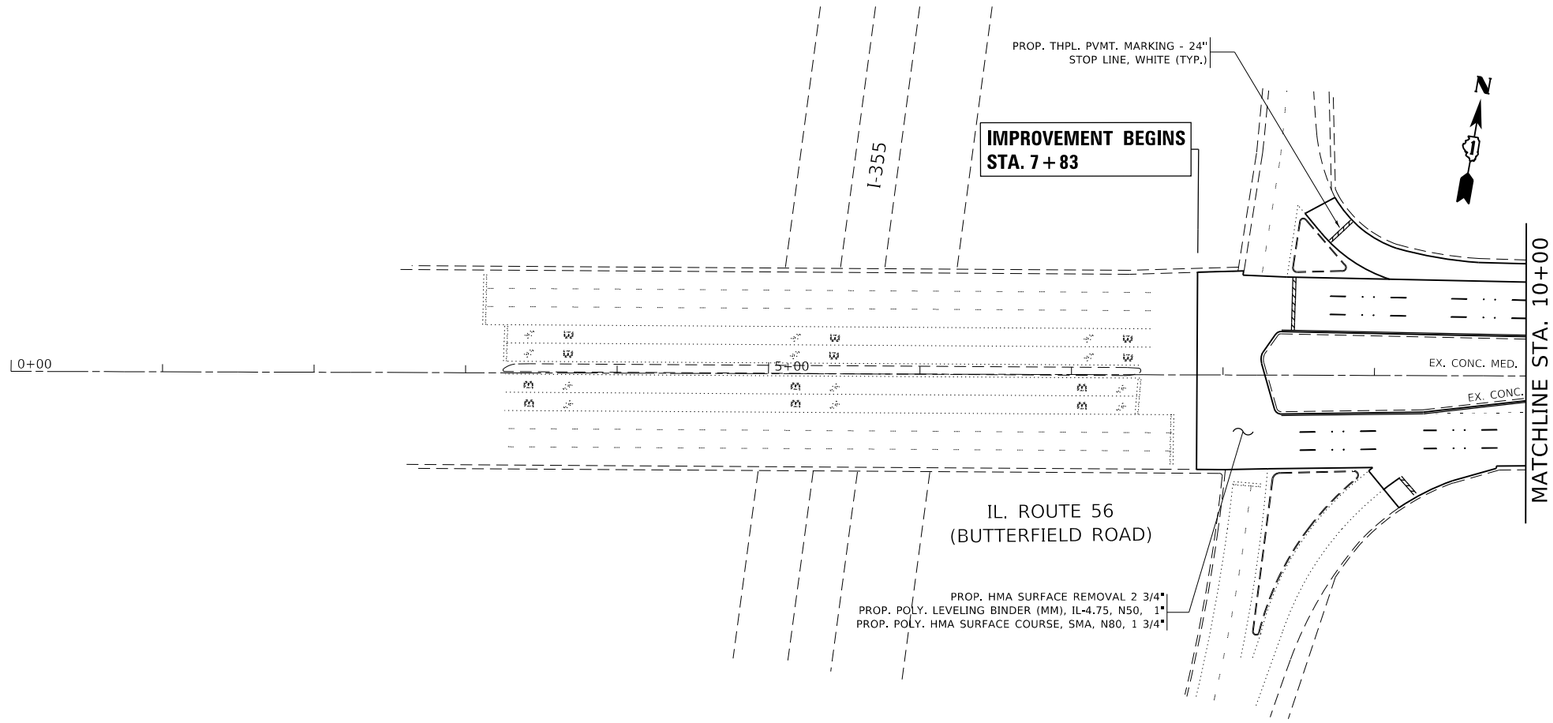

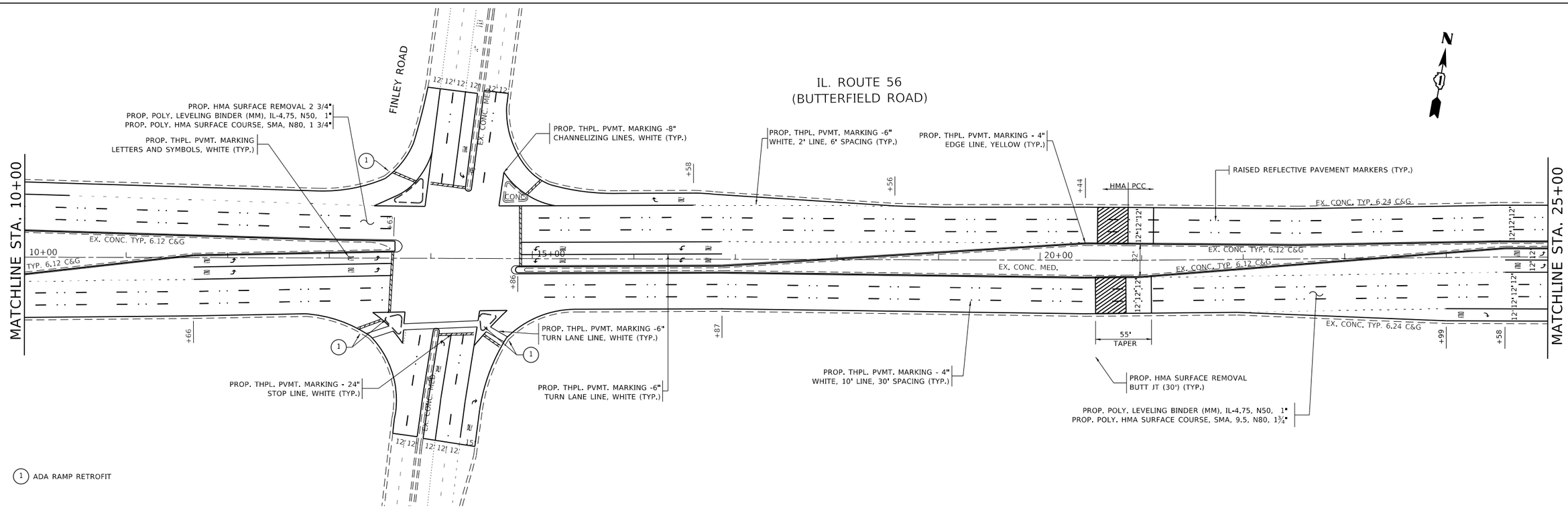

USER NAME = rothjp	DESIGNED -	REVISED -	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/7/2019	DATE -	REVISED -	

ROADWAY PLAN
IL. ROUTE 56 (BUTTERFIELD ROAD) (I–355 TO 22ND STREET)

SCALE: 1"= 50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(56R-2 & 3) RS	DUPAGE	41	8
* F.A.P. 365 / F.A.U. 3545		CONTRACT NO. 60V17		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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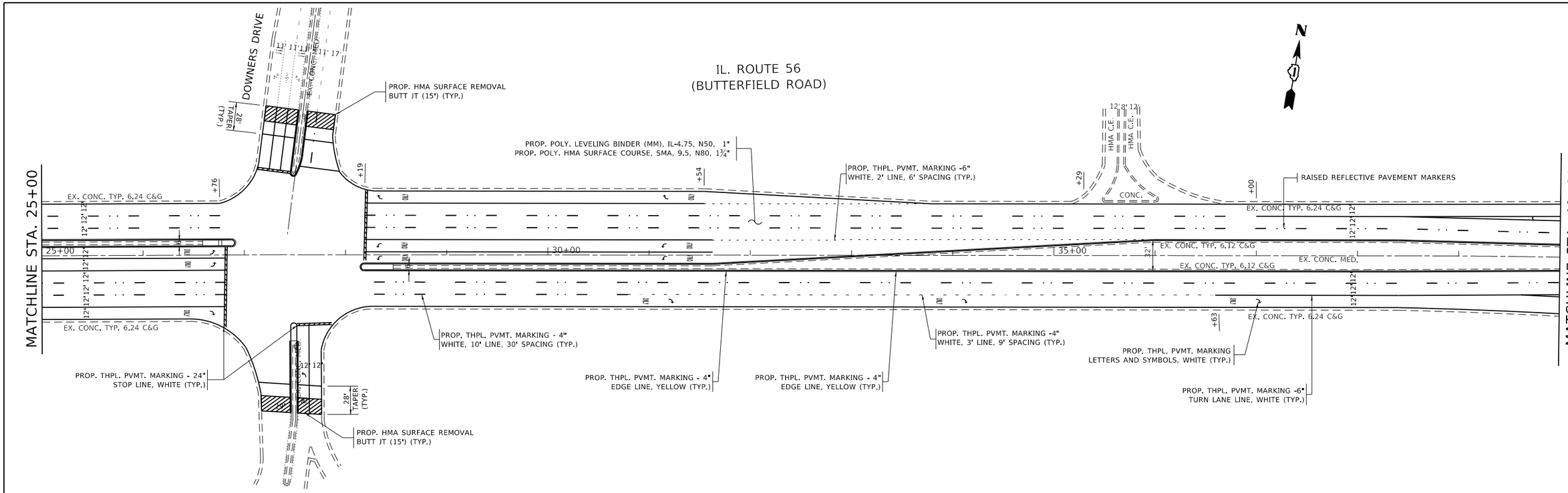

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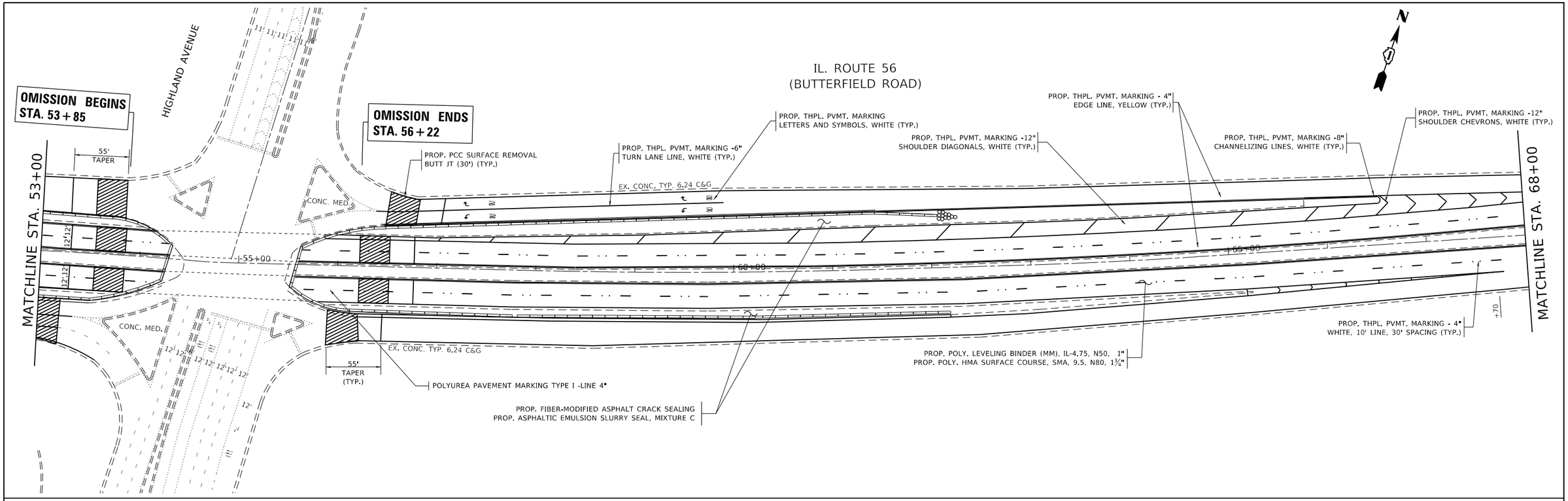
USER NAME = rothjp	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/7/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
IL. ROUTE 56 (BUTTERFIELD ROAD) (I–355 TO 22ND STREET)

SCALE: 1"= 50' | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(56R-2 & 3) RS	DUPAGE	41	9
* F.A.P. 365 / F.A.U. 3545		CONTRACT NO. 60V17		
	ILLINOIS FED. AID PROJECT			



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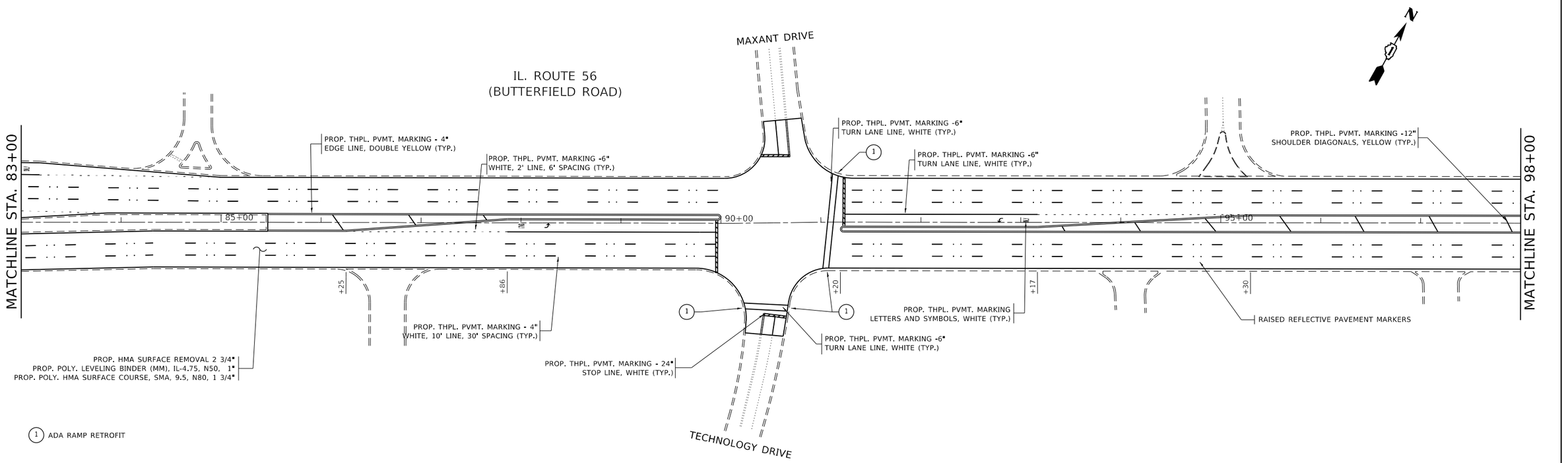
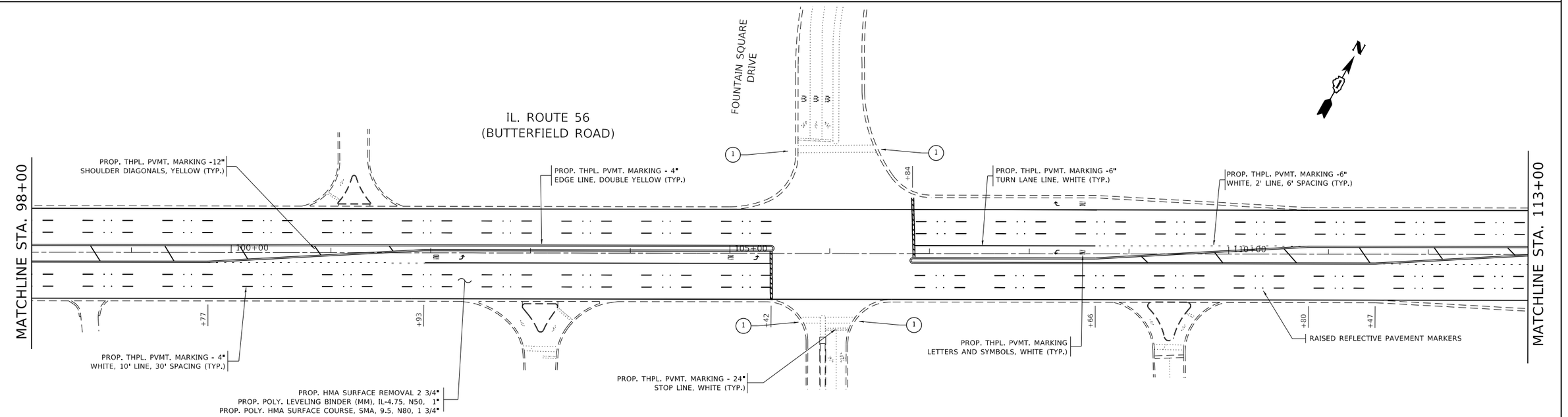
USER NAME = rothjp	DESIGNED -	REVISED -	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/7/2019	DATE -	REVISED -	

ROADWAY PLAN
IL. ROUTE 56 (BUTTERFIELD ROAD) (I–355 TO 22ND STREET)

SCALE: 1"= 50' | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(56R-2 & 3) RS	DUPAGE	41	10
* F.A.P. 365 / F.A.U. 3545		CONTRACT NO. 60V17		
	ILLINOIS	FED. AID PROJECT		





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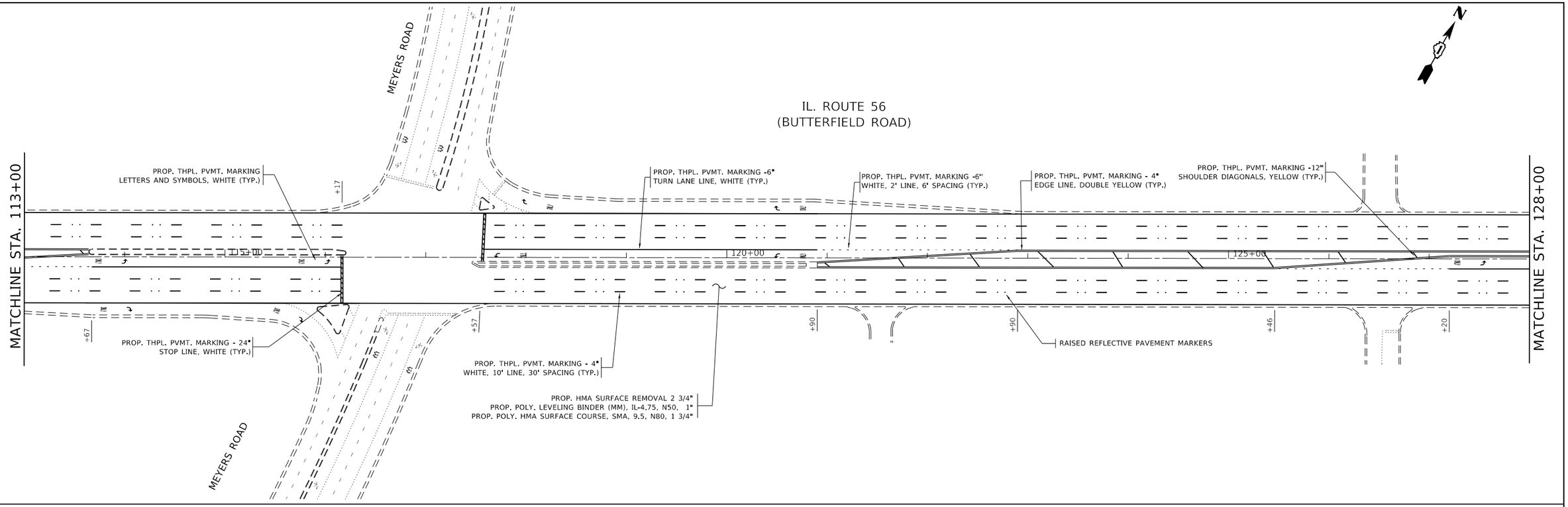
USER NAME = rothjp	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/7/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
IL. ROUTE 56 (BUTTERFIELD ROAD) (I–355 TO 22ND STREET)

SCALE: 1"= 50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(56R-2 & 3) RS	DUPAGE	41	11
* F.A.P. 365 / F.A.U. 3545		CONTRACT NO. 60V17		
	ILLINOIS FED. AID PROJECT			



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USER NAME = rothjp	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/7/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
IL. ROUTE 56 (BUTTERFIELD ROAD) (I–355 TO 22ND STREET)

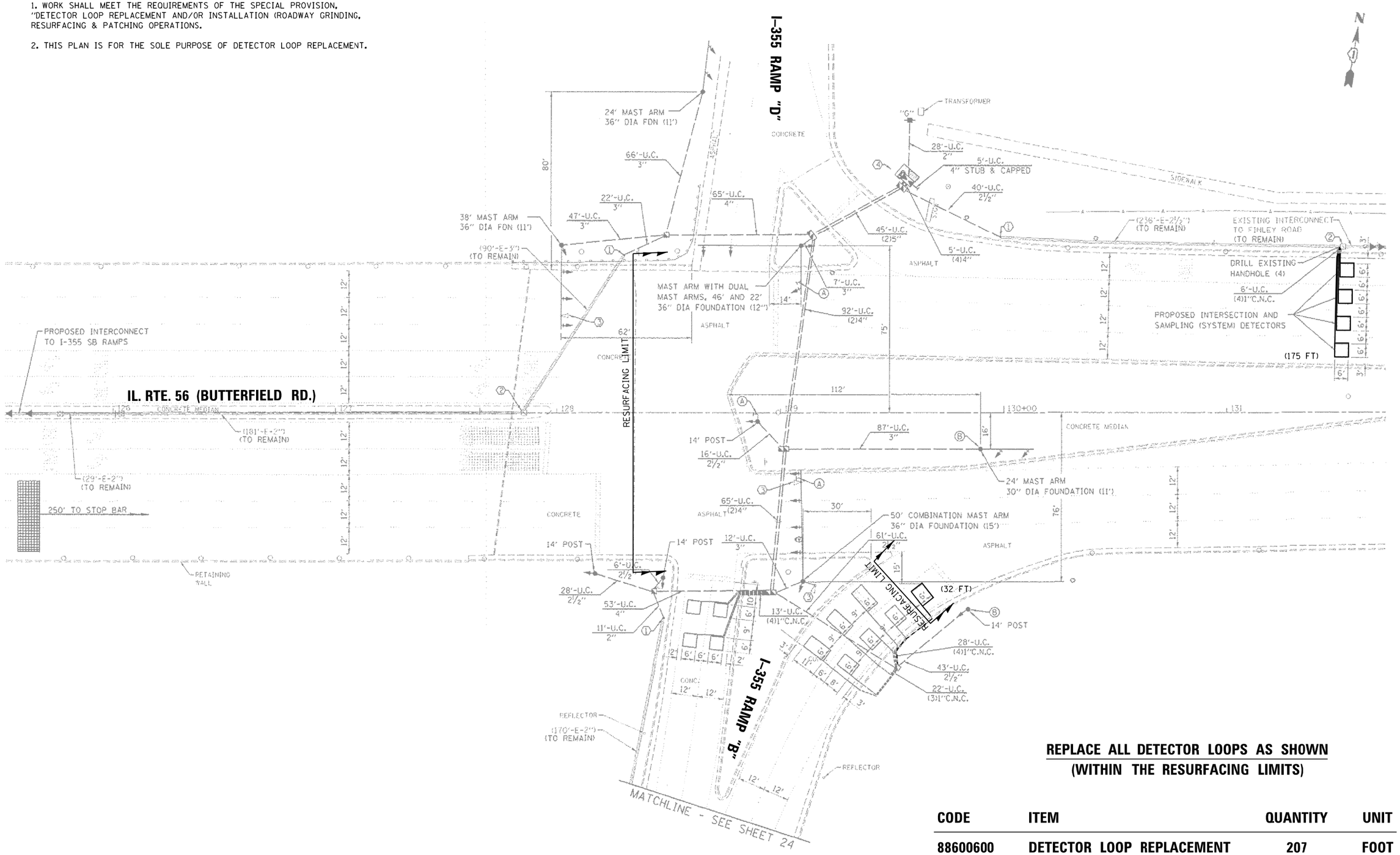
SCALE: 1"= 50' | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(56R-2 & 3) RS	DUPAGE	41	12
* F.A.P. 365 / F.A.U. 3545		CONTRACT NO. 60V17		
	ILLINOIS	FED. AID PROJECT		

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS.

2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	207	FOOT

USER NAME = rothjp	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/1/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL. RTE. 56 (BUTTERFIELD RD.) AT I-355 NB RAMPS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56R-2 & 3) RS	DUPAGE	41	13
		CONTRACT NO. 60V17		
		ILLINOIS	FED. AID PROJECT	

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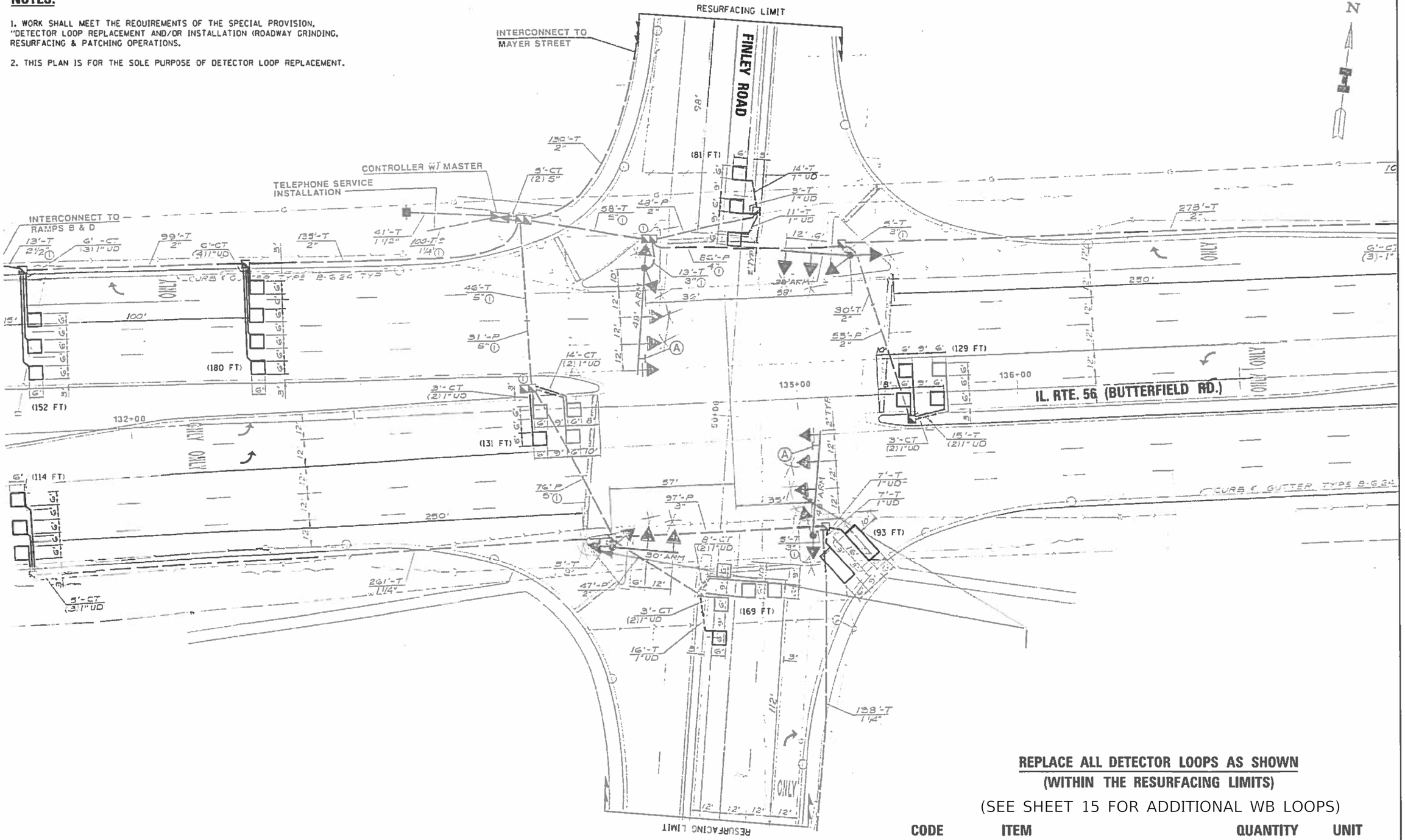
NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS.

2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)

(SEE SHEET 15 FOR ADDITIONAL WB LOOPS)

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	1049	FOOT

USER NAME = roth\jp	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/6/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL. RTE. 56 (BUTTERFIRLD RD.) AT FINLEY RD.

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56R-2 & 3) RS	DUPAGE	41	14
		CONTRACT NO. 60V17		
	ILLINOIS	FED. AID PROJECT		

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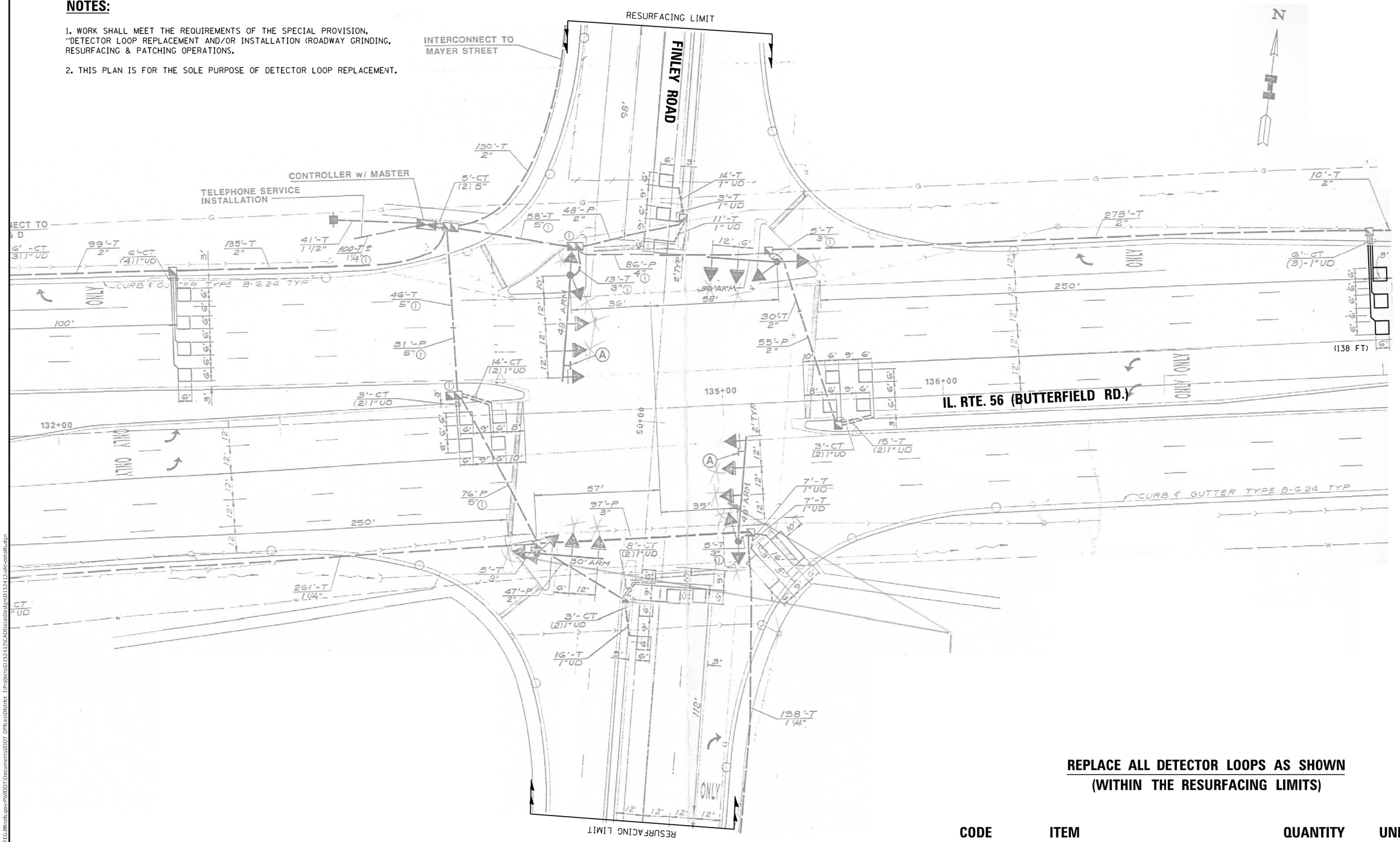
NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS.

2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	138	FOOT

MODEL: Default
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USER NAME = rothjp	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 2/1/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL. RTE. 56 (BUTTERFIELD RD.) AT FINLEY RD.

SCALE: | SHEET OF SHEETS | STA. | TO STA.

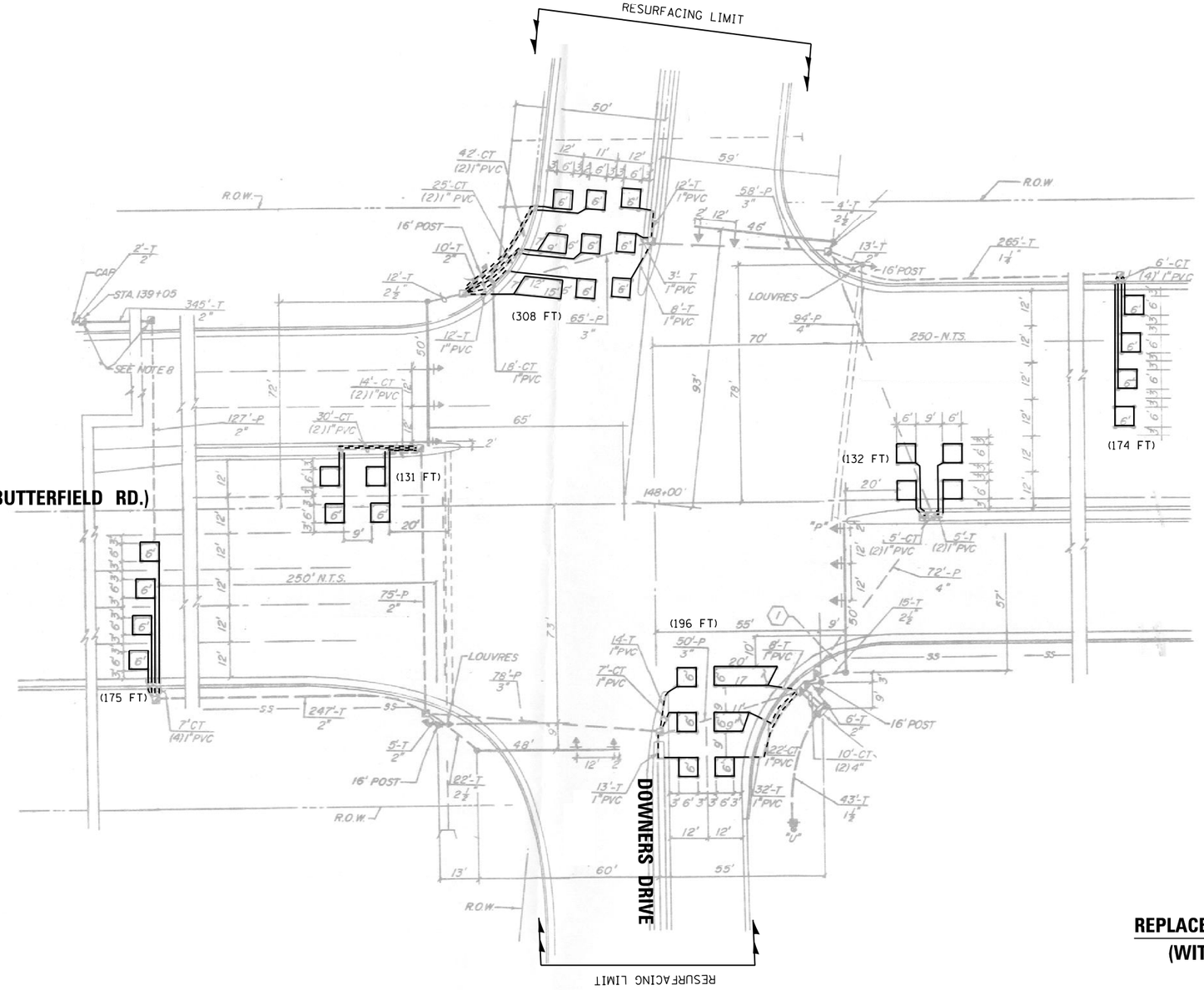
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56R-2 & 3) RS	DUPAGE	41	15
		CONTRACT NO. 60V17		
	ILLINOIS	FED. AID PROJECT		

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS.

2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

N



REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	1116	FOOT

USER NAME = rothjp	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/1/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL. RTE. 56 (BUTTERFIELD RD.) AT DOWNERS DR.

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56R-2 & 3) RS	DUPAGE	41	16
		CONTRACT NO. 60V17		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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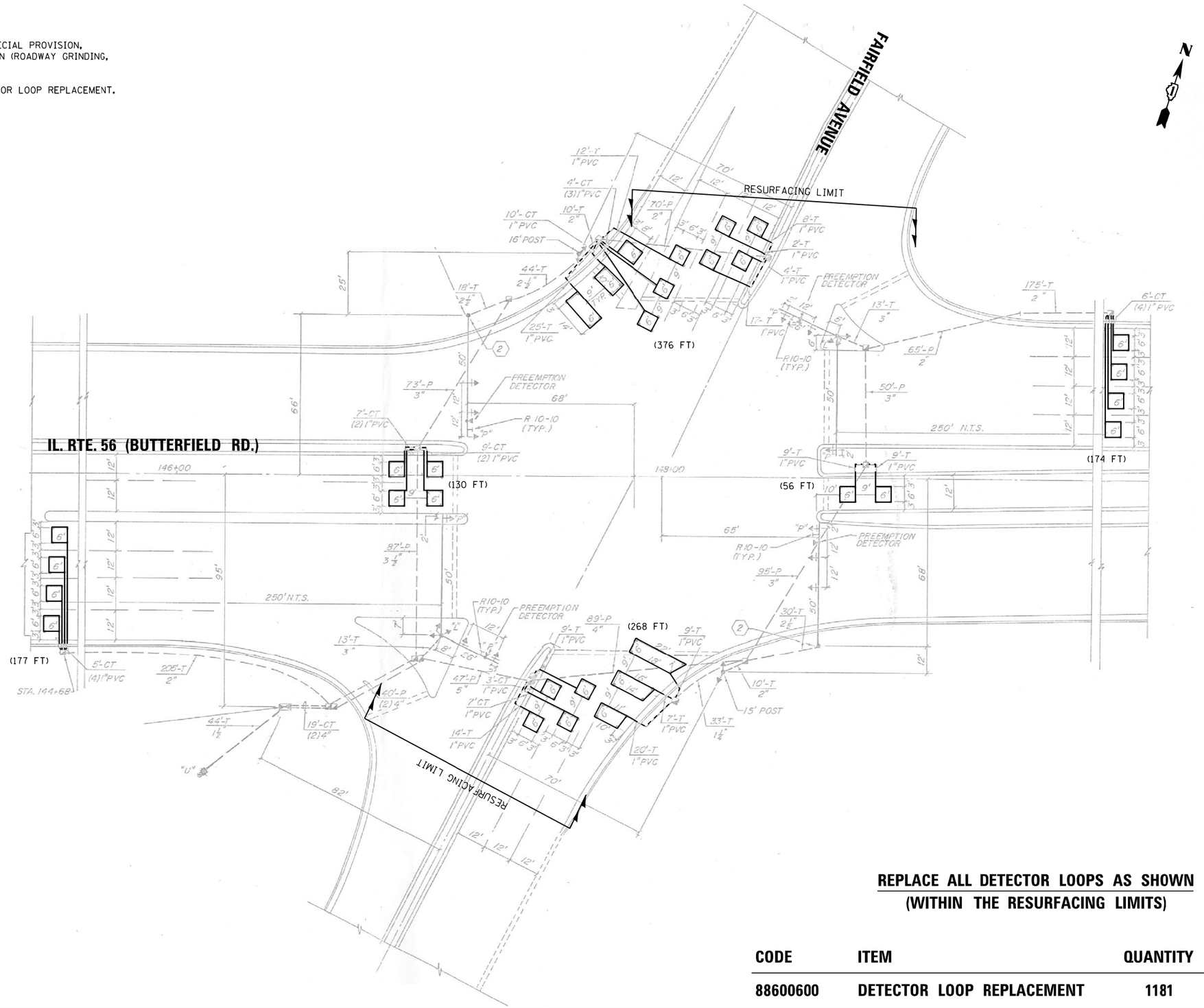
NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS.

2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	1181	FOOT

USER NAME = rothjp	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/1/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL. RTE. 56 (BUTTERFIELD RD.) AT FAIRFIELD AVE.

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56R-2 & 3) RS	DUPAGE	41	17
		CONTRACT NO. 60V17		
	ILLINOIS	FED. AID PROJECT		

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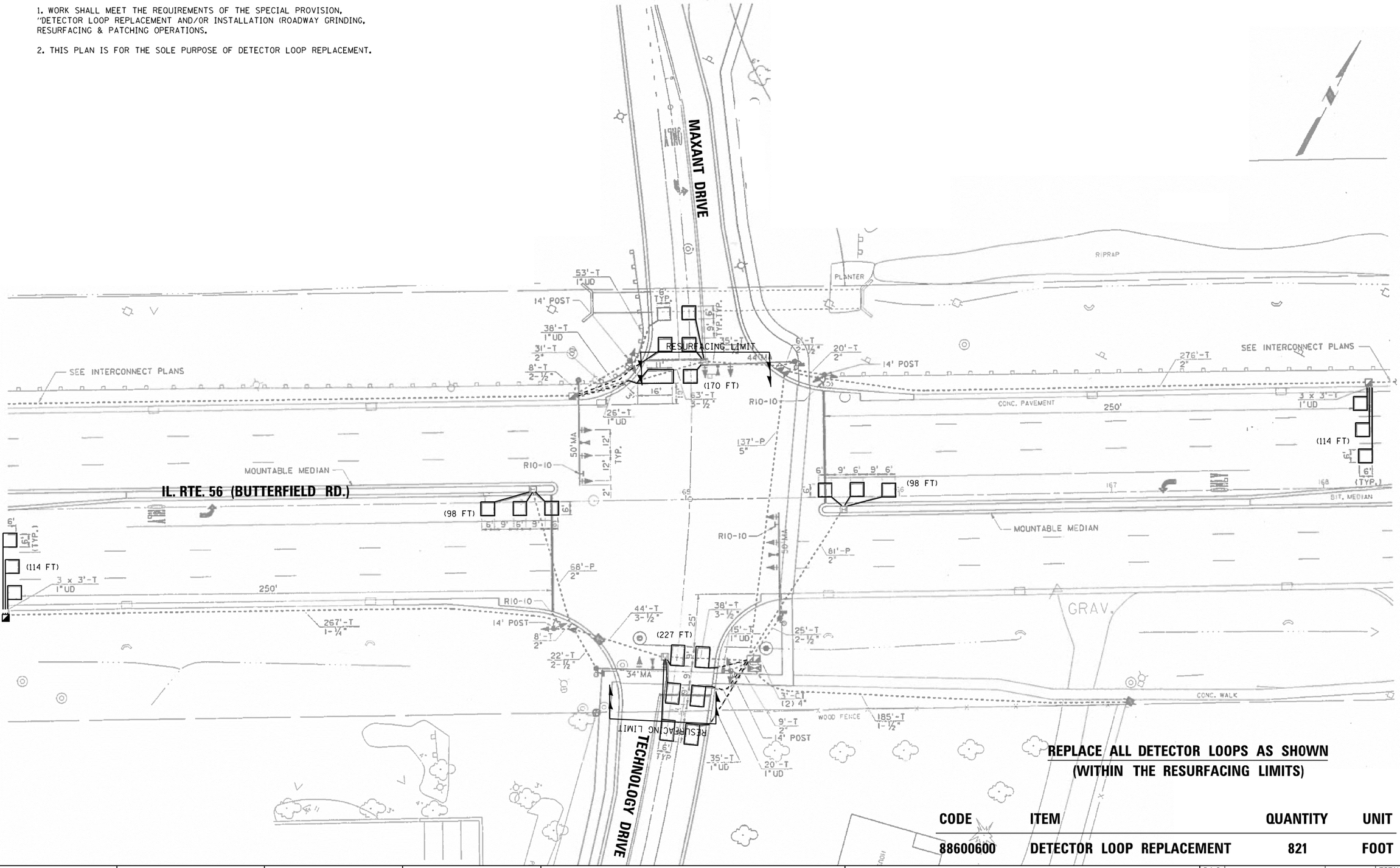
NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS.

2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	821	FOOT

USER NAME = rothjp	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/1/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL. RTE. 56 (BUTTERFIELD RD.) AT TECHNOLOGY DR.

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56R-2 & 3) RS	DUPAGE	41	18
		CONTRACT NO. 60V17		
	ILLINOIS FED. AID PROJECT			

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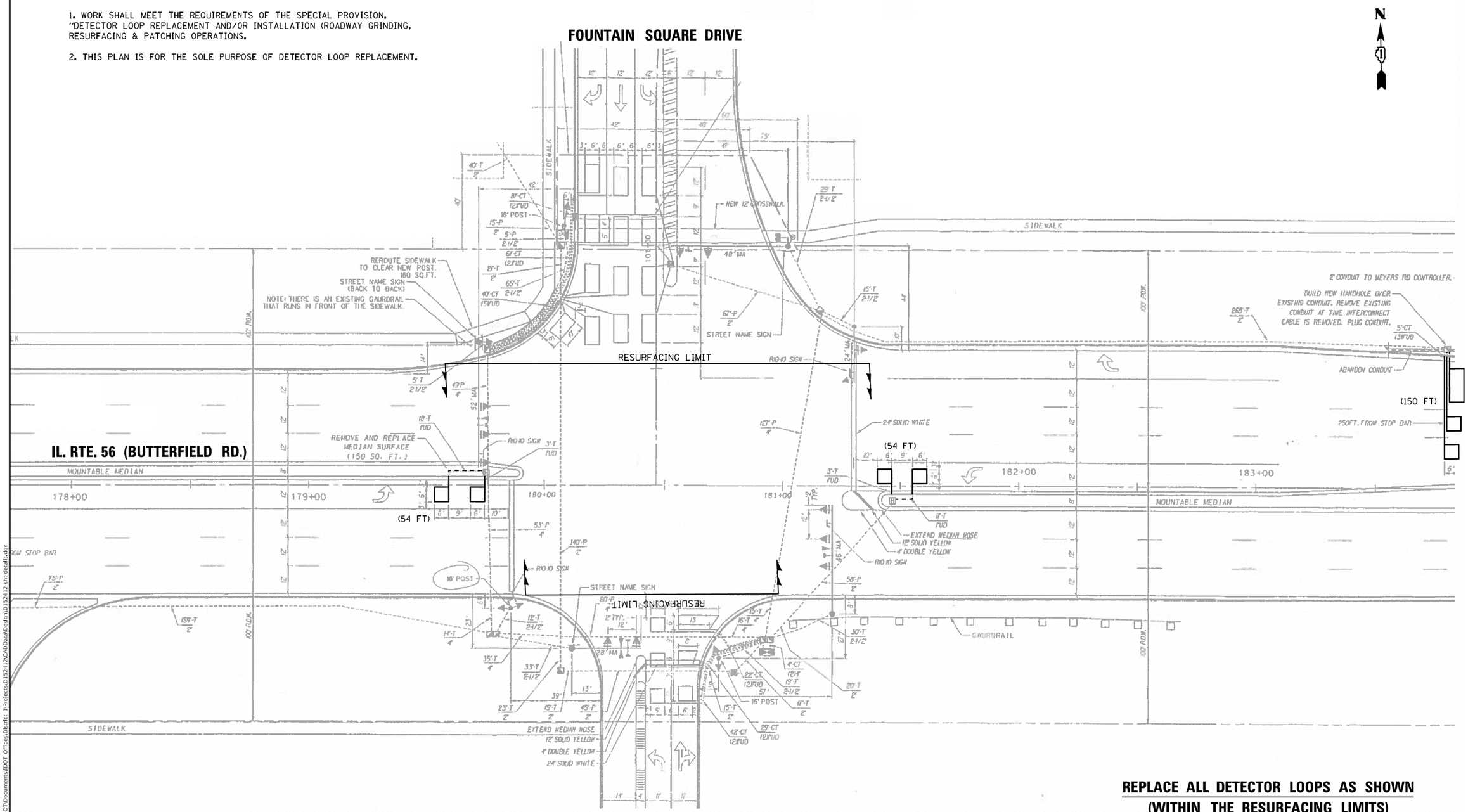
NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS.

2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)
SEE SHEET 20 FOR ADDITIONAL EB LOOPS

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	258	FOOT

USER NAME = rothjp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/8/2019	DATE -	REVISED -	

DETECTOR LOOP REPLACEMENT PLAN
IL. RTE. 56 (BUTTERFIELD RD.) AT FOUNTAIN SQUARE DR.

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56R-2 & 3) RS	DUPAGE	41	19
		CONTRACT NO. 60V17		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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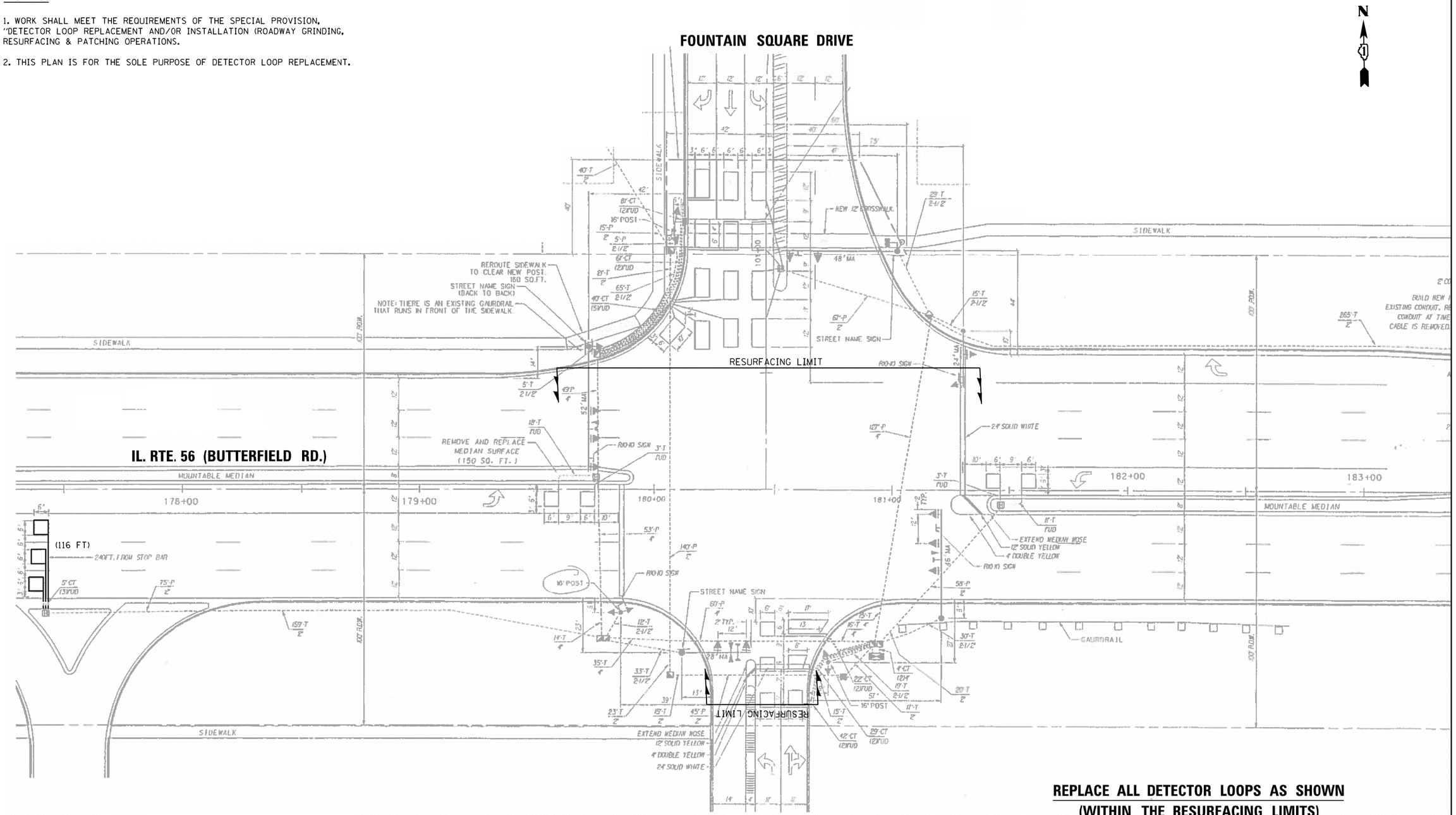
NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS.

2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	116	FOOT

USER NAME = rothjp	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/1/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL. RTE. 56 (BUTTERFIELD RD.) AT FOUNTAIN SQUARE DR.

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56R-2 & 3) RS	DUPAGE	41	20
		CONTRACT NO. 60V17		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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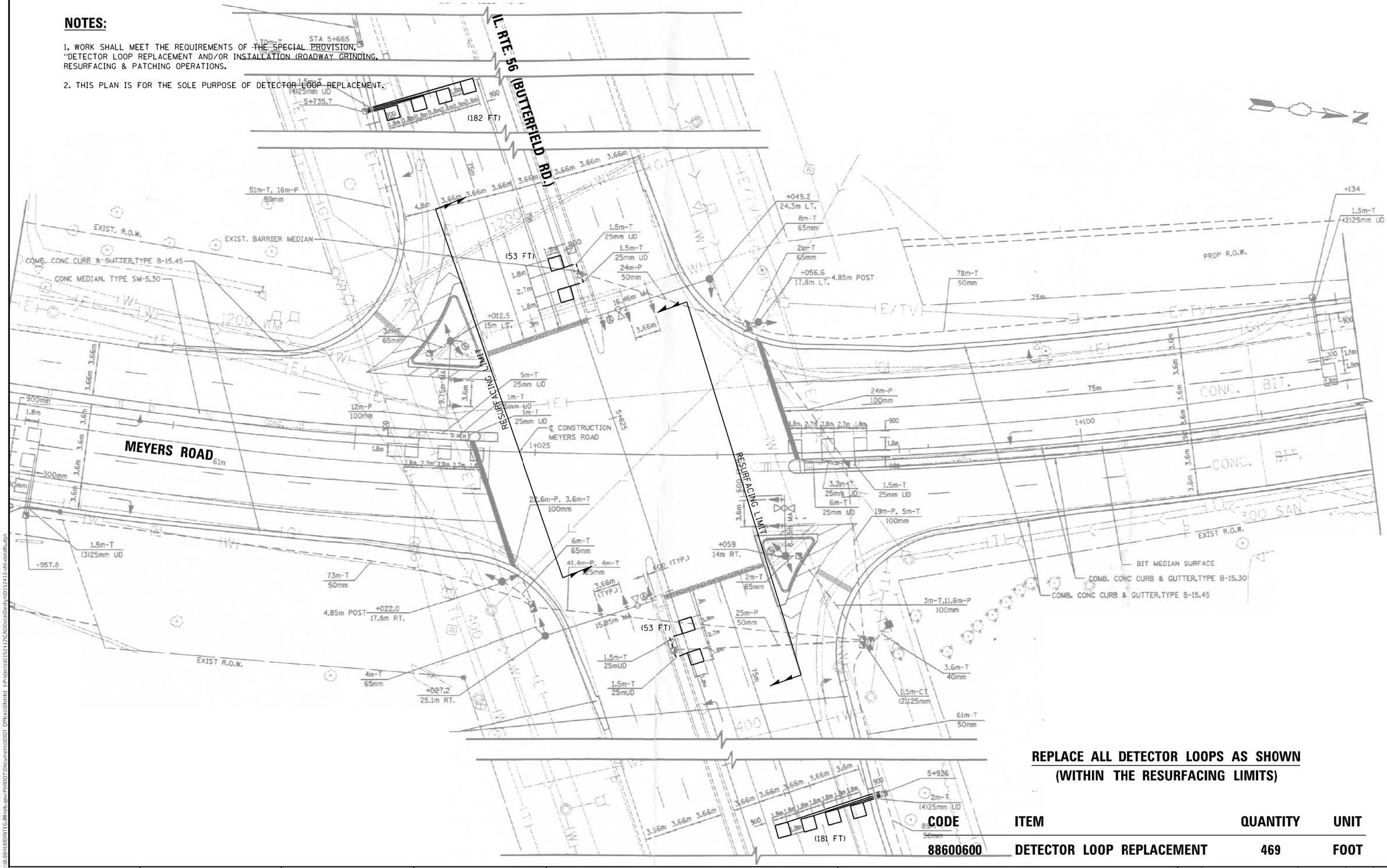
NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS.

2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	469	FOOT

USER NAME = rothjo	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 2/1/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL. RTE. 56 (BUTTERFIELD RD.) AT MEYERS RD.

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56R-2 & 3) RS	DUPAGE	41	21
		CONTRACT NO. 60V17		
	ILLINOIS	FED. AID PROJECT		

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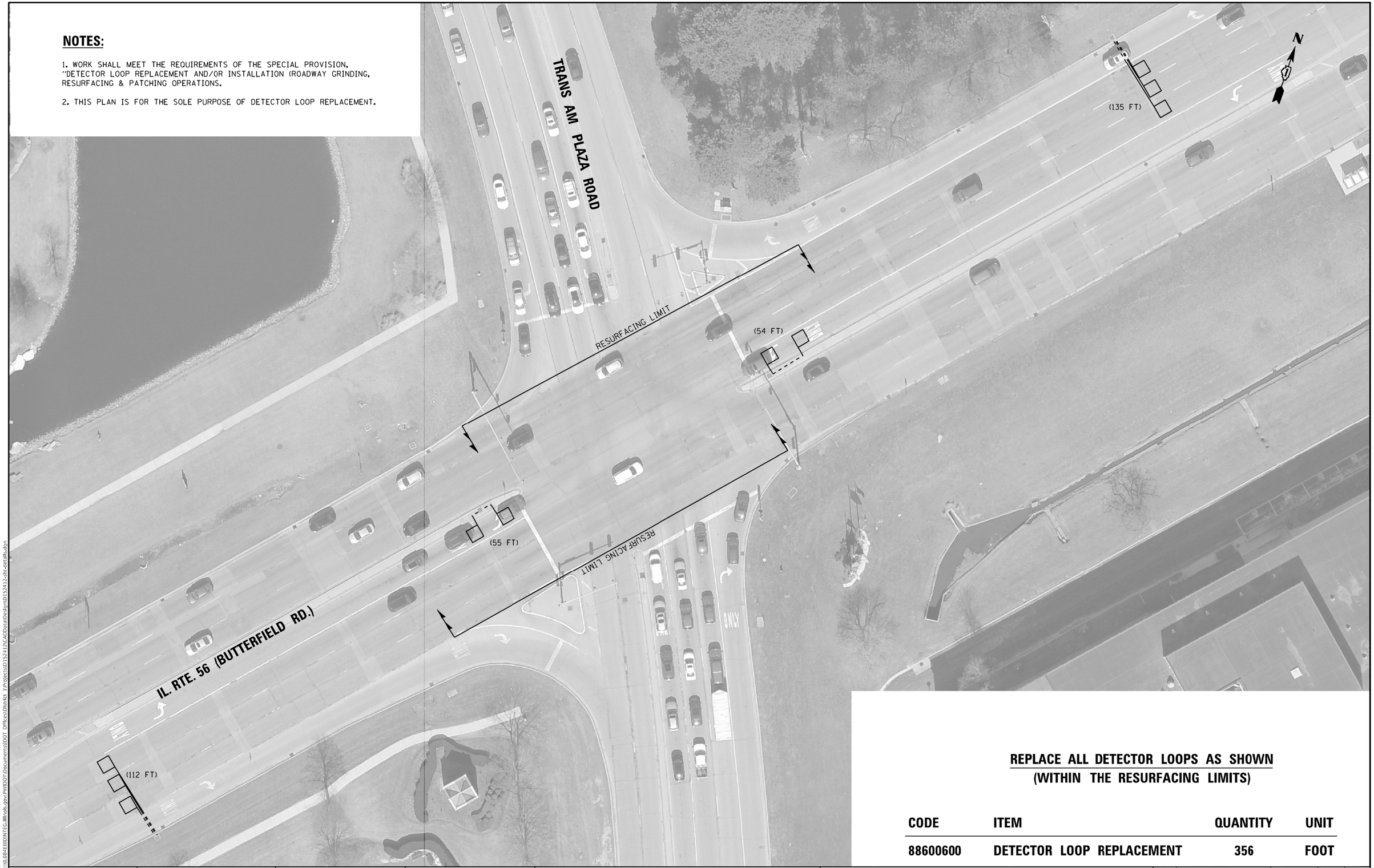
NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS.

2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	356	FOOT

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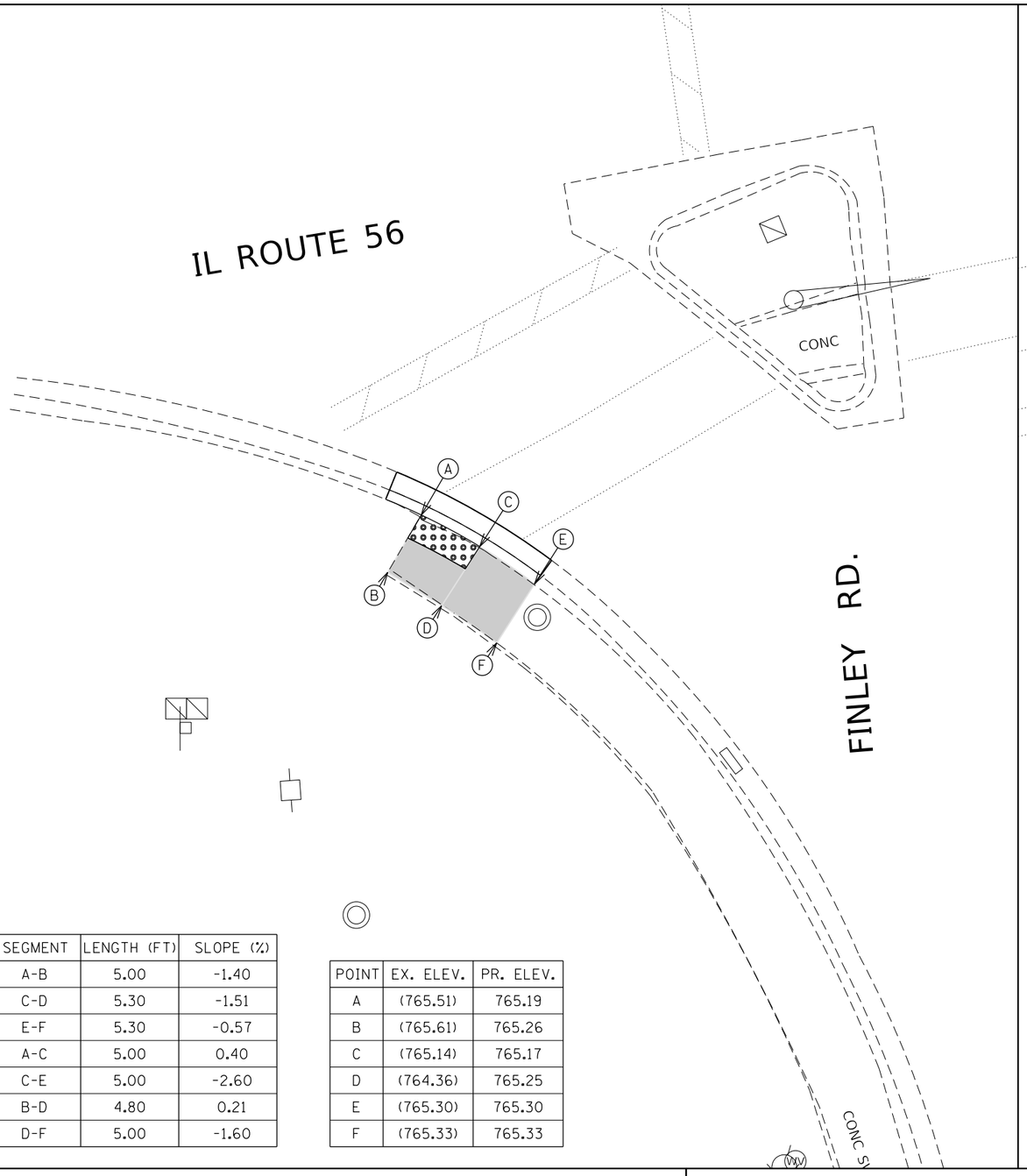
USER NAME = rothjp	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 2/1/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL. RTE. 56 (BUTTERFIELD RD.) AT TRANS AM PLAZA RD.

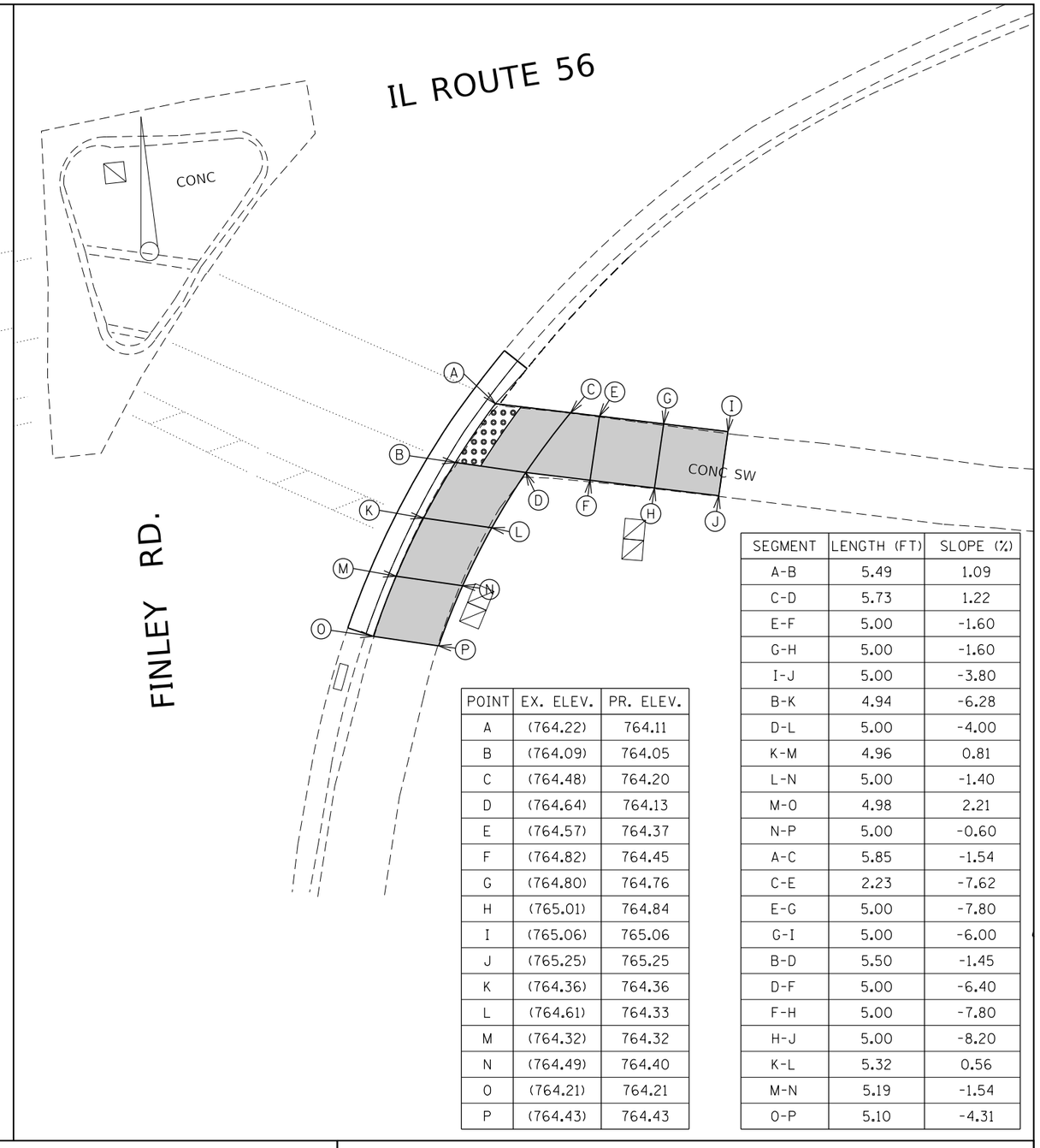
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56R-2 & 3) RS	DUPAGE	41	22
		CONTRACT NO. 60V17		
	ILLINOIS FED. AID PROJECT			



SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.00	-1.40
C-D	5.30	-1.51
E-F	5.30	-0.57
A-C	5.00	0.40
C-E	5.00	-2.60
B-D	4.80	0.21
D-F	5.00	-1.60

POINT	EX. ELEV.	PR. ELEV.
A	(765.51)	765.19
B	(765.61)	765.26
C	(765.14)	765.17
D	(764.36)	765.25
E	(765.30)	765.30
F	(765.33)	765.33



POINT	EX. ELEV.	PR. ELEV.
A	(764.22)	764.11
B	(764.09)	764.05
C	(764.48)	764.20
D	(764.64)	764.13
E	(764.57)	764.37
F	(764.82)	764.45
G	(764.80)	764.76
H	(765.01)	764.84
I	(765.06)	765.06
J	(765.25)	765.25
K	(764.36)	764.36
L	(764.61)	764.33
M	(764.32)	764.32
N	(764.49)	764.40
O	(764.21)	764.21
P	(764.43)	764.43

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.49	1.09
C-D	5.73	1.22
E-F	5.00	-1.60
G-H	5.00	-1.60
I-J	5.00	-3.80
B-K	4.94	-6.28
D-L	5.00	-4.00
K-M	4.96	0.81
L-N	5.00	-1.40
M-O	4.98	2.21
N-P	5.00	-0.60
A-C	5.85	-1.54
C-E	2.23	-7.62
E-G	5.00	-7.80
G-I	5.00	-6.00
B-D	5.50	-1.45
D-F	5.00	-6.40
F-H	5.00	-7.80
H-J	5.00	-8.20
K-L	5.32	0.56
M-N	5.19	-1.54
O-P	5.10	-4.31

REFERENCE BENCHMARK ELEV 765.5585

BENCHMARK : X CUT IN SIDEWALK

LOCATION : S. EAST CORNER OF IL 56 AND FINLEY RD.

LEGEND

- XX.XX' — EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) — EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 765.5585

BENCHMARK : X CUT IN SIDEWALK

LOCATION : S. EAST CORNER OF IL 56 AND FINLEY RD.

USER NAME = rothjp	DESIGNED - JR 02/05/2019	REVISED -	
	DRAWN - JR 02/052019	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/1/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
ILLINOIS ROUTE 56 – I-355 TO 22ND STREET

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
"	(56R-2 & 3) RS	DUPAGE	41	23
* F.A.P 365 / F.A.U. 3545		CONTRACT NO. 60V17		
	ILLINOIS FED. AID PROJECT			

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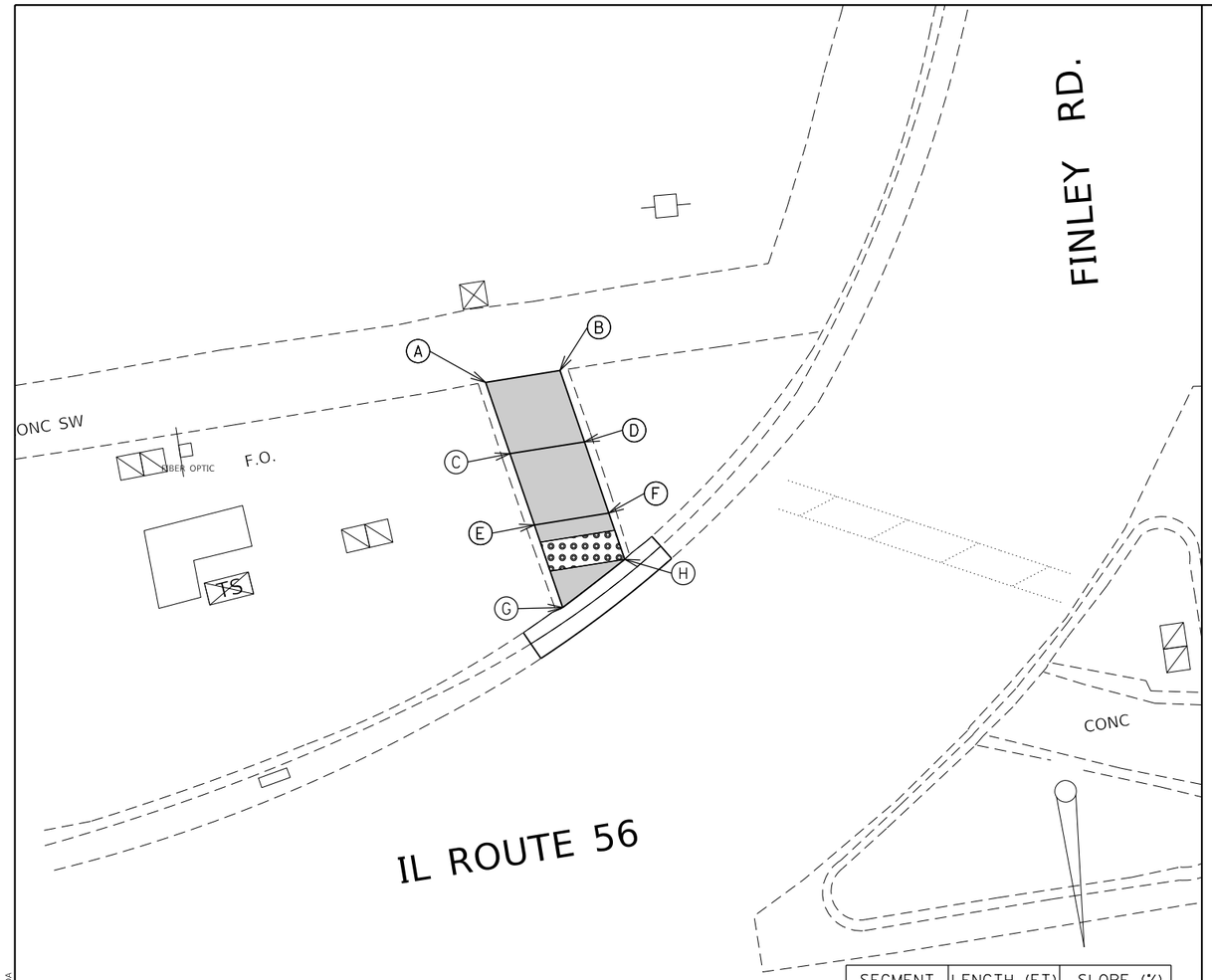

POINT	EX. ELEV.	PR. ELEV.
A	(765.84)	765.84
B	(765.67)	765.67
C	(765.77)	765.68
D	(765.64)	765.66
E	(765.66)	765.45
F	(765.54)	765.44
G	(765.37)	765.37
H	(765.39)	765.39

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.00	3.40
C-D	5.00	0.40
E-F	5.00	0.20
G-H	5.21	-0.38
A-C	5.00	3.20
C-E	5.00	4.60
E-G	5.79	1.38
B-D	5.00	0.20
D-F	5.00	4.40
F-H	3.24	1.54

REFERENCE BENCHMARK ELEV 765.94

BENCHMARK : X CUT IN SIDEWALK

LOCATION : N. WEST CORNER OF IL 56 AND FINLEY RD.

LEGEND

- xx.xx′ EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

USER NAME = rothjp	DESIGNED - JR 02/05/2019	REVISED -	
	DRAWN - JR 02/052019	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/1/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
ILLINOIS ROUTE 56 – I-355 TO 22ND STREET

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(56R-2 & 3) RS	DUPAGE	41	24
	* F.A.P 365 / F.A.U. 3545	CONTRACT NO. 60V17		
	ILLINOIS FED. AID PROJECT			

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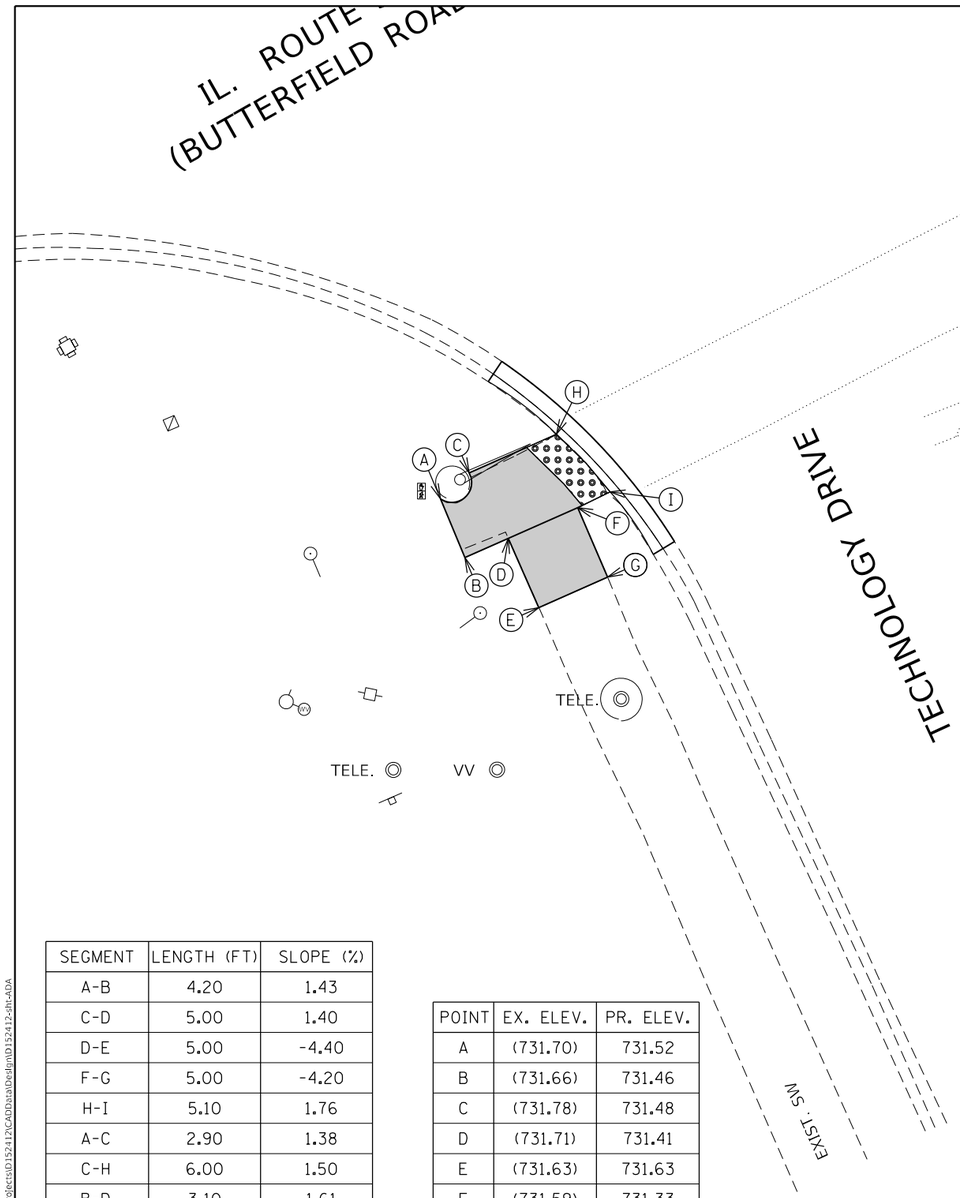


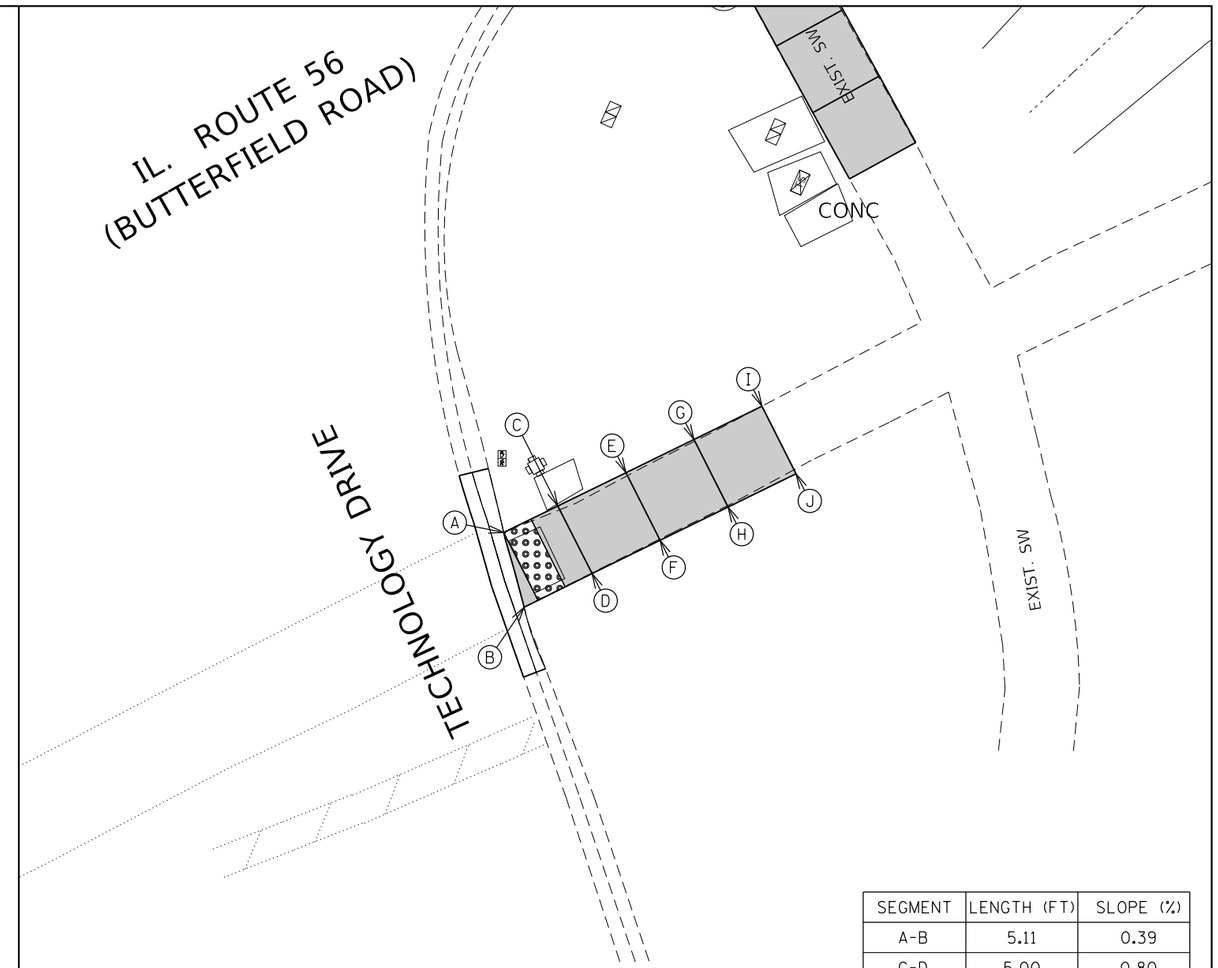
SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	4.20	1.43
C-D	5.00	1.40
D-E	5.00	-4.40
F-G	5.00	-4.20
H-I	5.10	1.76
A-C	2.90	1.38
C-H	6.00	1.50
B-D	3.10	1.61
D-F	5.00	1.60
F-I	2.40	1.25
E-G	5.00	1.80

POINT	EX. ELEV.	PR. ELEV.
A	(731.70)	731.52
B	(731.66)	731.46
C	(731.78)	731.48
D	(731.71)	731.41
E	(731.63)	731.63
F	(731.59)	731.33
G	(731.54)	731.54
H	(731.61)	731.39
I	(731.40)	731.30

REFERENCE BENCHMARK ELEV 730.734

BENCHMARK : SQUARE ON N. EAST CORNER OF TRAFFIC CONTROL BOX

LOCATION : S. EAST CORNER OF IL 56 AND TECHNOLOGY DR.



POINT	EX. ELEV.	PR. ELEV.
A	(731.52)	731.23
B	(731.45)	731.21
C	(731.21)	731.17
D	(731.10)	731.13
E	(730.76)	730.85
F	(730.66)	730.79
G	(730.59)	730.53
H	(730.47)	730.45
I	(730.45)	730.45
J	(730.37)	730.37

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.11	0.39
C-D	5.00	0.80
E-F	5.00	1.20
G-H	5.00	1.60
I-J	5.00	1.60
A-C	3.98	1.51
C-E	5.00	6.40
E-G	5.00	6.40
G-I	5.00	1.60
B-D	5.00	1.60
D-F	5.00	6.80
F-H	5.00	6.80
H-J	5.00	1.60

LEGEND

XX.XX'	EXISTING LENGTH
═══	PROPOSED SIDE CURB
( )	EXISTING ELEVATION/SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 730.734

BENCHMARK : SQUARE ON N. EAST CORNER OF TRAFFIC CONTROL BOX

LOCATION : S. EAST CORNER OF IL 56 AND TECHNOLOGY DR.

USER NAME = rothjp	DESIGNED - JR 02/05/2019	REVISED -	
	DRAWN - JR 02/052019	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/1/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
ILLINOIS ROUTE 56 – I-355 TO 22ND STREET

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
"	(56R-2 & 3) RS	DUPAGE	41	25
* F.A.P 365 / F.A.U. 3545		CONTRACT NO. 60V17		
	ILLINOIS FED. AID PROJECT			

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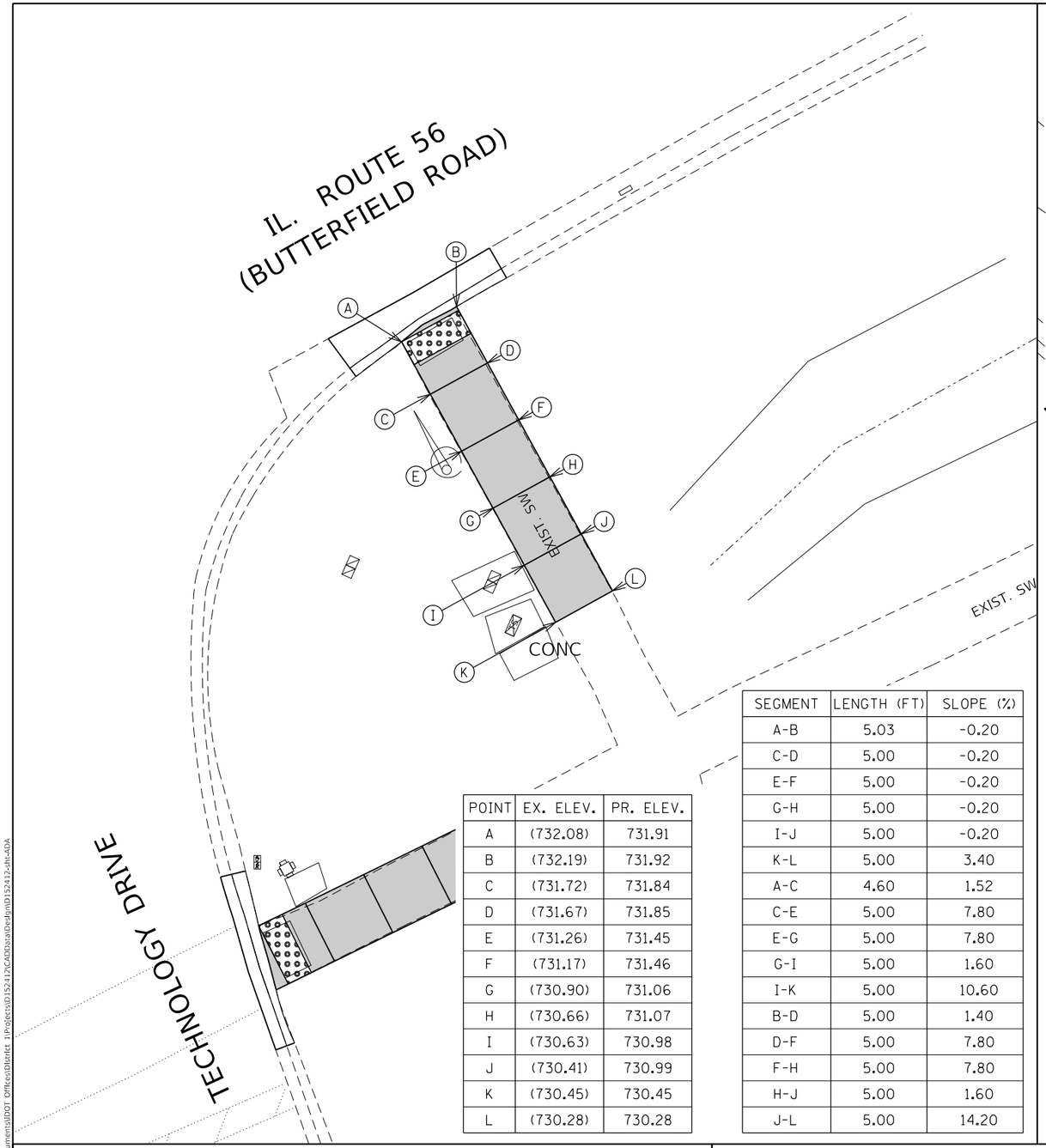
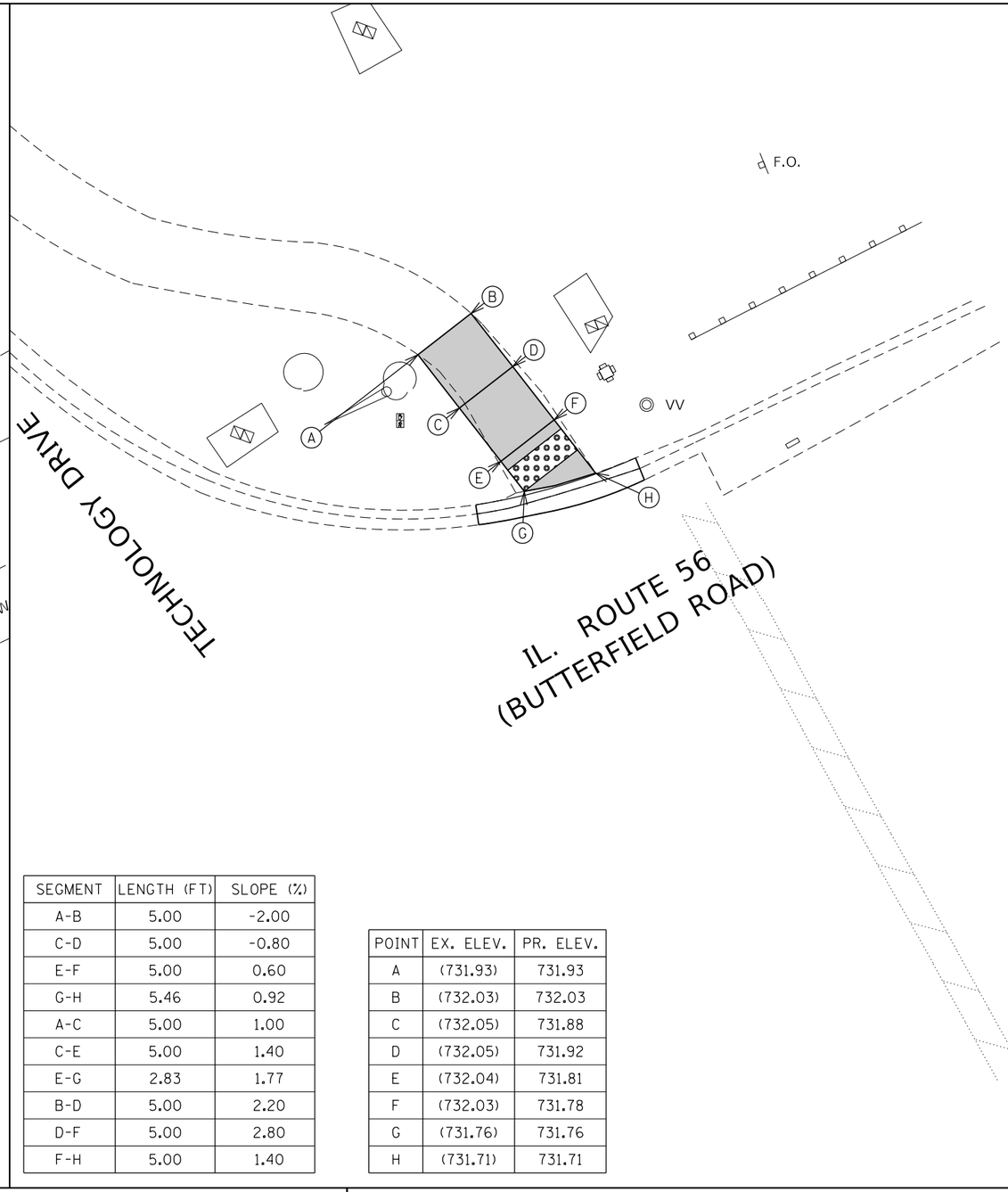


POINT	EX. ELEV.	PR. ELEV.
A	(732.08)	731.91
B	(732.19)	731.92
C	(731.72)	731.84
D	(731.67)	731.85
E	(731.26)	731.45
F	(731.17)	731.46
G	(730.90)	731.06
H	(730.66)	731.07
I	(730.63)	730.98
J	(730.41)	730.99
K	(730.45)	730.45
L	(730.28)	730.28

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.03	-0.20
C-D	5.00	-0.20
E-F	5.00	-0.20
G-H	5.00	-0.20
I-J	5.00	-0.20
K-L	5.00	3.40
A-C	4.60	1.52
C-E	5.00	7.80
E-G	5.00	7.80
G-I	5.00	1.60
I-K	5.00	10.60
B-D	5.00	1.40
D-F	5.00	7.80
F-H	5.00	7.80
H-J	5.00	1.60
J-L	5.00	14.20



SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.00	-2.00
C-D	5.00	-0.80
E-F	5.00	0.60
G-H	5.46	0.92
A-C	5.00	1.00
C-E	5.00	1.40
E-G	2.83	1.77
B-D	5.00	2.20
D-F	5.00	2.80
F-H	5.00	1.40

POINT	EX. ELEV.	PR. ELEV.
A	(731.93)	731.93
B	(732.03)	732.03
C	(732.05)	731.88
D	(732.05)	731.92
E	(732.04)	731.81
F	(732.03)	731.78
G	(731.76)	731.76
H	(731.71)	731.71

REFERENCE BENCHMARK ELEV 730.734

BENCHMARK : SQUARE ON N. EAST CORNER OF TRAFFIC CONTROL BOX

LOCATION : S. EAST CORNER OF IL 56 AND TECHNOLOGY DR.

LEGEND

XX.XX'	EXISTING LENGTH
═══	PROPOSED SIDE CURB
( )	EXISTING ELEVATION/SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 730.734

BENCHMARK : SQUARE ON N. EAST CORNER OF TRAFFIC CONTROL BOX

LOCATION : S. EAST CORNER OF IL 56 AND TECHNOLOGY DR.

USER NAME = rothjp	DESIGNED - JR 02/05/2019	REVISED -
	DRAWN - JR 02/052019	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/1/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
ILLINOIS ROUTE 56 – I-355 TO 22ND STREET

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
"	(56R-2 & 3) RS	DUPAGE	41	26
* F.A.P 365 / F.A.U. 3545		CONTRACT NO. 60V17		
ILLINOIS	FED. AID PROJECT			

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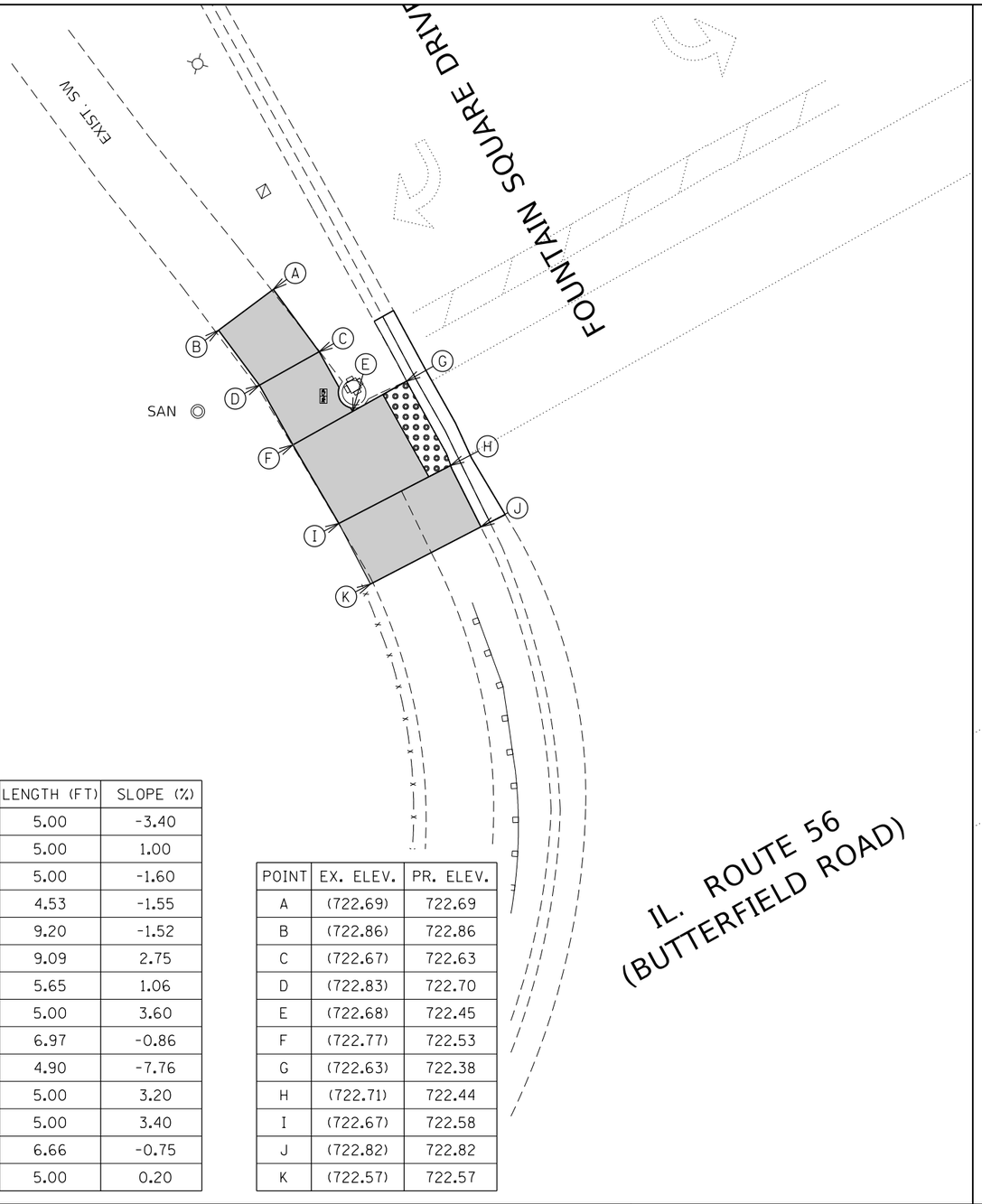
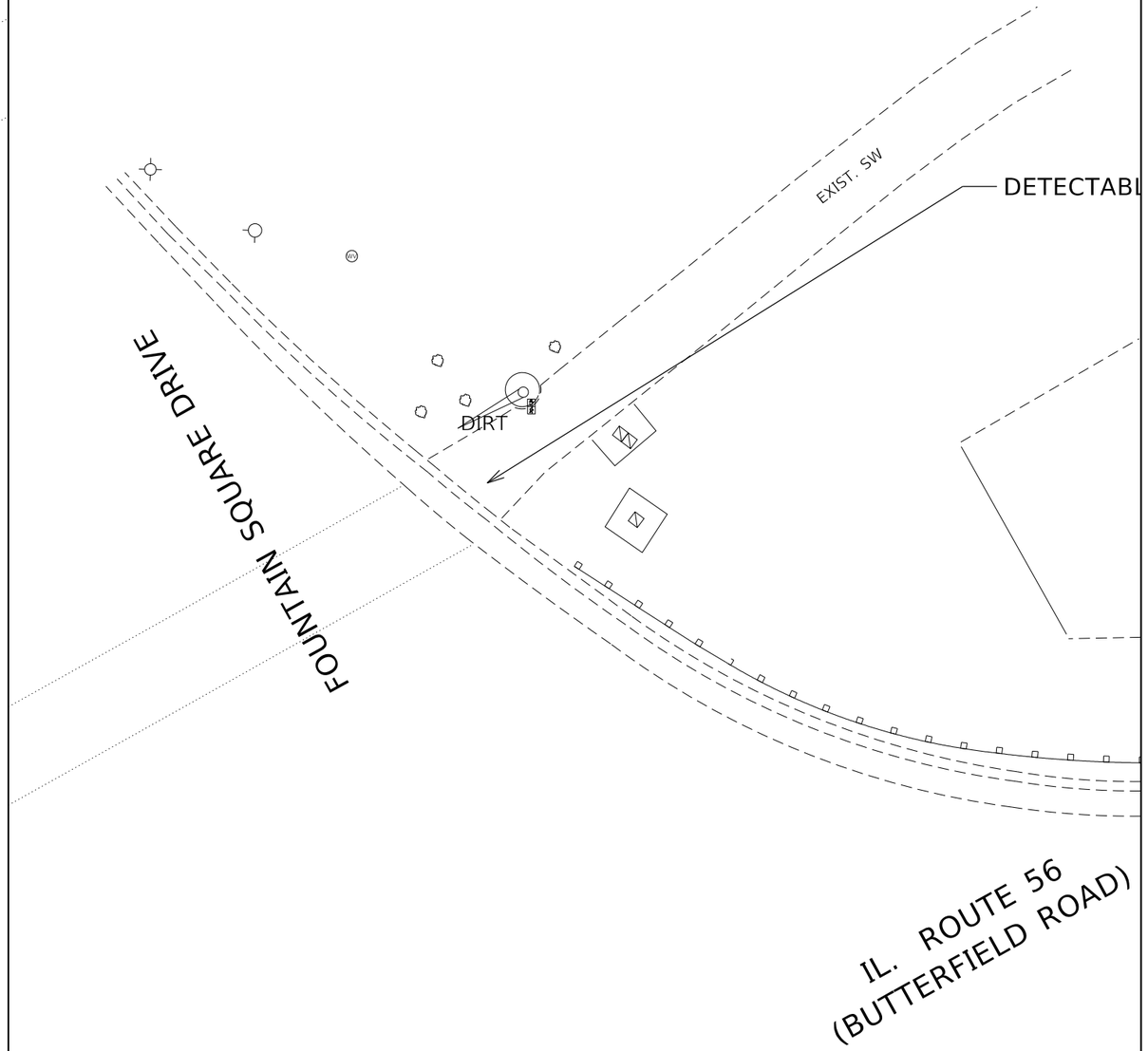


SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.00	-3.40
C-D	5.00	1.00
E-F	5.00	-1.60
G-E	4.53	-1.55
H-I	9.20	-1.52
J-K	9.09	2.75
A-C	5.65	1.06
C-E	5.00	3.60
G-H	6.97	-0.86
H-J	4.90	-7.76
B-D	5.00	3.20
D-F	5.00	3.40
F-I	6.66	-0.75
I-K	5.00	0.20

POINT	EX. ELEV.	PR. ELEV.
A	(722.69)	722.69
B	(722.86)	722.86
C	(722.67)	722.63
D	(722.83)	722.70
E	(722.68)	722.45
F	(722.77)	722.53
G	(722.63)	722.38
H	(722.71)	722.44
I	(722.67)	722.58
J	(722.82)	722.82
K	(722.57)	722.57



REFERENCE BENCHMARK ELEV 721.754

BENCHMARK : SQUARE ON N. WEST CORNER OF TRAFFIC CONTROL BOX

LOCATION : S. EAST CORNER OF IL 56 AND FOUNTAIN SQUARE DR.

LEGEND

- XX.XX' — EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) — EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 721.754

BENCHMARK : SQUARE ON N. WEST CORNER OF TRAFFIC CONTROL BOX

LOCATION : S. EAST CORNER OF IL 56 AND FOUNTAIN SQUARE DR.

USER NAME = rothjp	DESIGNED - JR 02/05/2019	REVISED -	
	DRAWN - JR 02/052019	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/1/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
ILLINOIS ROUTE 56 – I-355 TO 22ND STREET

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(56R-2 & 3) RS	DUPAGE	41	27
	* F.A.P 365 / F.A.U. 3545	CONTRACT NO. 60V17		
	ILLINOIS FED. AID PROJECT			

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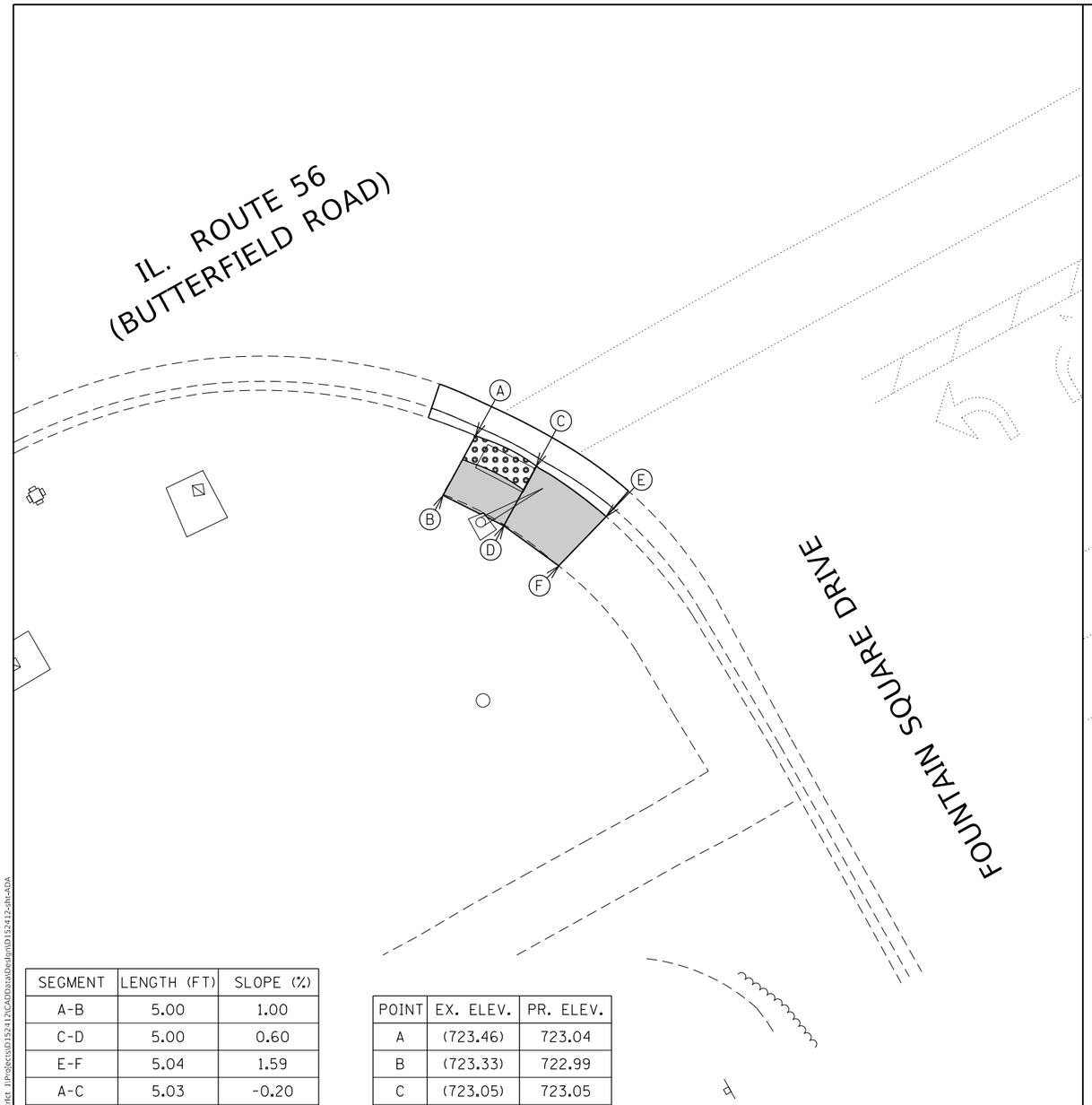


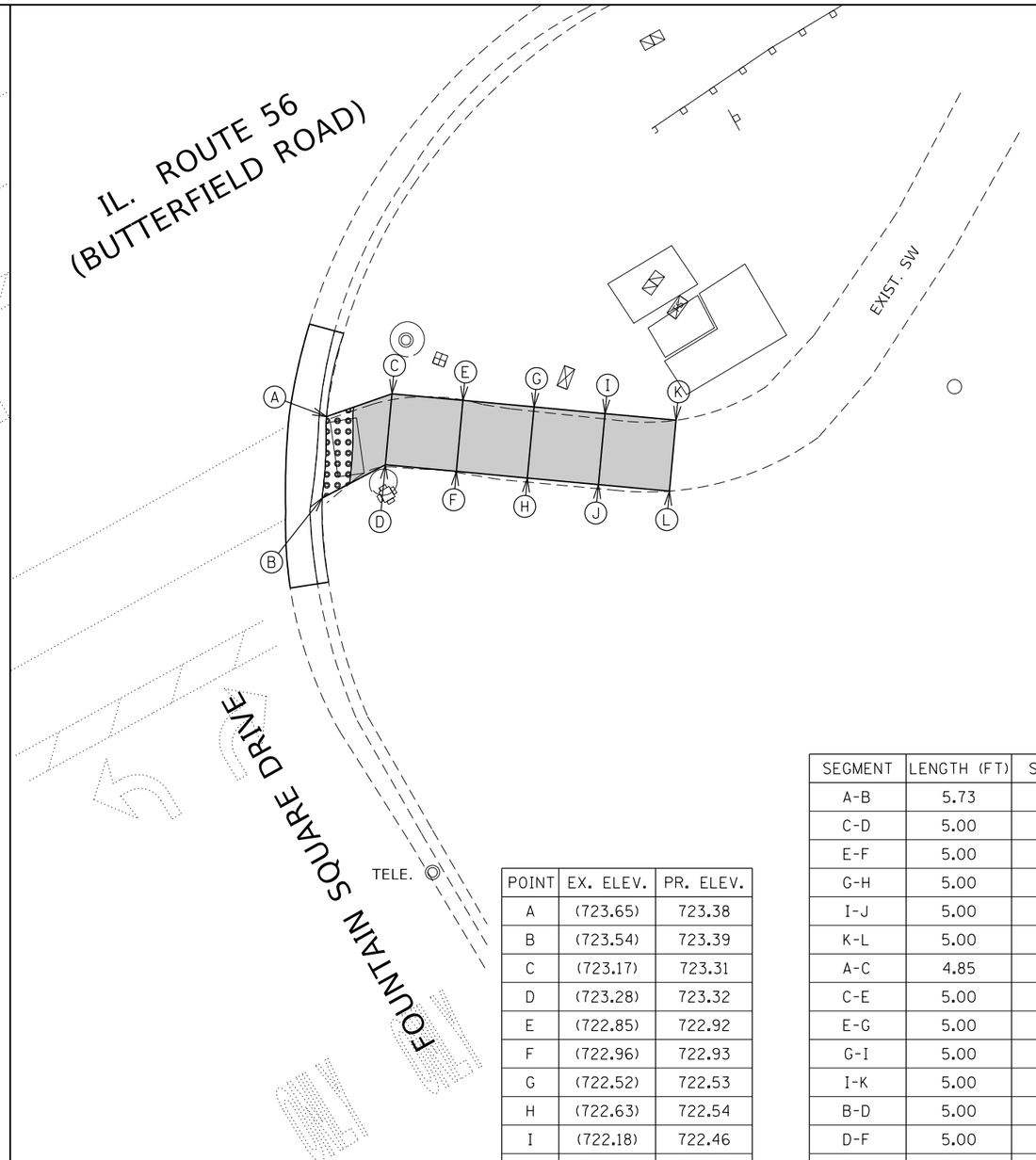
SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.00	1.00
C-D	5.00	0.60
E-F	5.04	1.59
A-C	5.03	-0.20
C-E	6.36	-3.93
B-D	5.00	-0.60
D-F	5.00	-4.00

POINT	EX. ELEV.	PR. ELEV.
A	(723.46)	723.04
B	(723.33)	722.99
C	(723.05)	723.05
D	(723.31)	723.02
E	(723.30)	723.30
F	(723.22)	723.22

REFERENCE BENCHMARK ELEV 721.754

BENCHMARK : SQUARE ON N. WEST CORNER OF TRAFFIC CONTROL BOX

LOCATION : S. EAST CORNER OF IL 56 AND FOUNTAIN SQUARE DR.



POINT	EX. ELEV.	PR. ELEV.
A	(723.65)	723.38
B	(723.54)	723.39
C	(723.17)	723.31
D	(723.28)	723.32
E	(722.85)	722.92
F	(722.96)	722.93
G	(722.52)	722.53
H	(722.63)	722.54
I	(722.18)	722.46
J	(722.28)	722.47
K	(721.88)	721.88
L	(721.98)	721.98

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.73	-0.17
C-D	5.00	-0.20
E-F	5.00	-0.20
G-H	5.00	-0.20
I-J	5.00	-0.20
K-L	5.00	-2.00
A-C	4.85	1.44
C-E	5.00	7.80
E-G	5.00	7.80
G-I	5.00	1.40
I-K	5.00	11.60
B-D	5.00	1.40
D-F	5.00	7.80
F-H	5.00	7.80
H-J	5.00	1.40
J-L	5.00	9.80

REFERENCE BENCHMARK ELEV 721.754

BENCHMARK : SQUARE ON N. WEST CORNER OF TRAFFIC CONTROL BOX

LOCATION : S. EAST CORNER OF IL 56 AND FOUNTAIN SQUARE DR.

LEGEND

- XX.XX' — EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) — EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

USER NAME = rothjp	DESIGNED - JR 02/05/2019	REVISED -	
	DRAWN - JR 02/052019	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/1/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
ILLINOIS ROUTE 56 – I-355 TO 22ND STREET

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
"	(56R-2 & 3) RS	DUPAGE	41	28
* F.A.P 365 / F.A.U. 3545		CONTRACT NO. 60V17		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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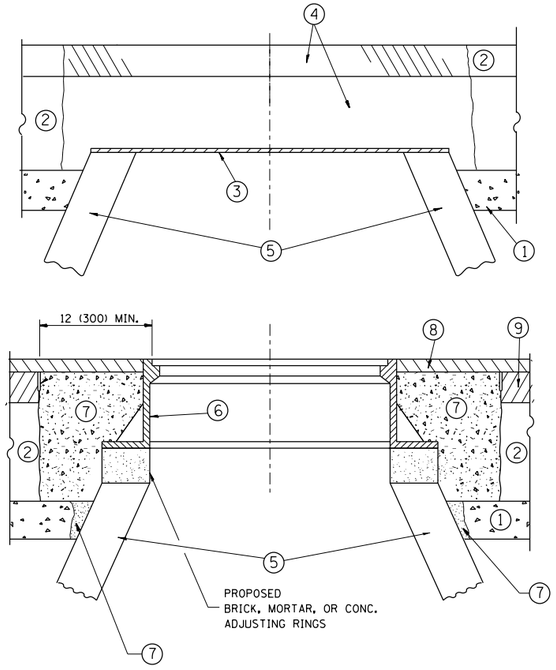


CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

1. SUB-BASE GRANULAR MATERIAL
2. EXISTING PAVEMENT
3. 36 (900) DIAMETER METAL PLATE
4. PROPOSED CRUSHED STONE AND HMA SURFACE MIX
5. EXISTING STRUCTURE
6. FRAME AND LID (SEE NOTES)
7. CLASS PP-1* CONCRETE
8. PROPOSED HMA SURFACE COURSE
9. PROPOSED HMA BINDER COURSE

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

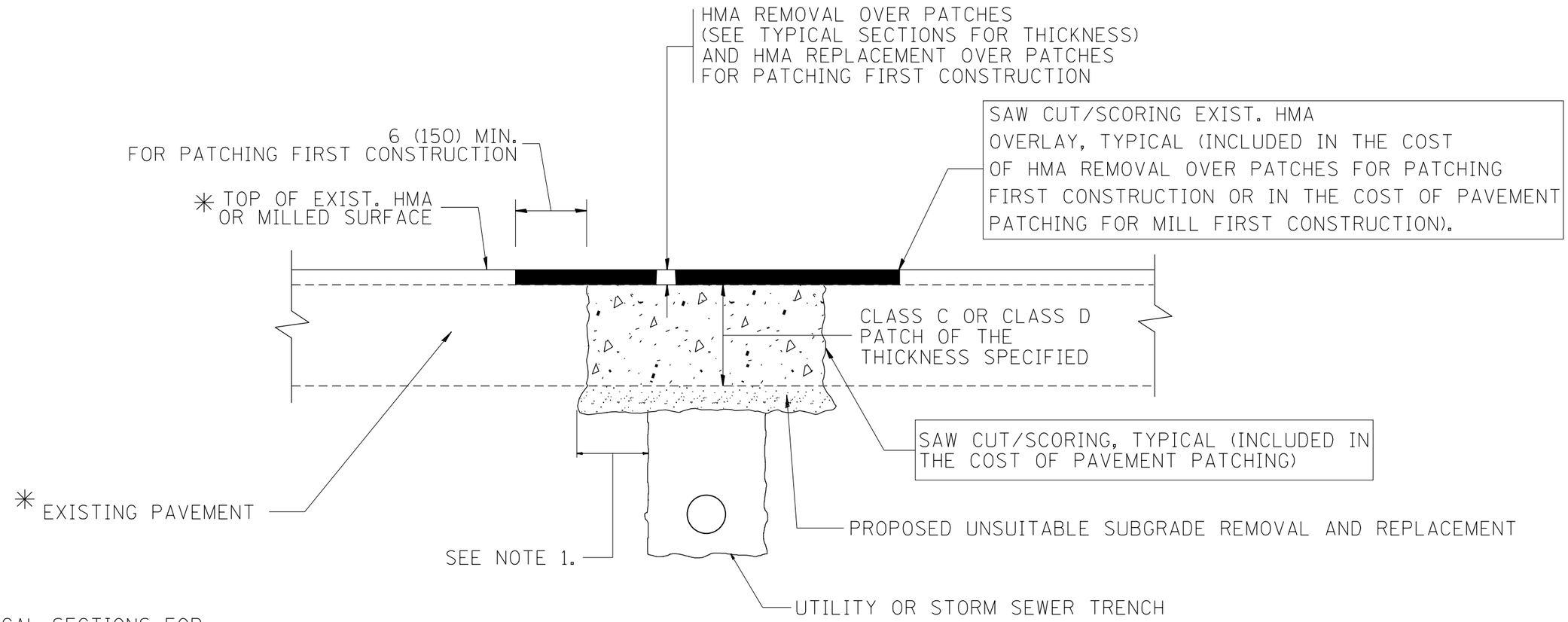
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1524DRAWN\Data\Design\DistStd.dgn	USER NAME = rothjp	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
			REVISED - R. BORO 01-01-07
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 2/1/2019	DATE - 10-25-94	REVISED - R. BORO 12-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56R-2 & 3) RS	DUPAGE	41	29
	BD600-03 (BD-8)	CONTRACT NO. 60V17		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



✳ SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST $4\frac{1}{2}$ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

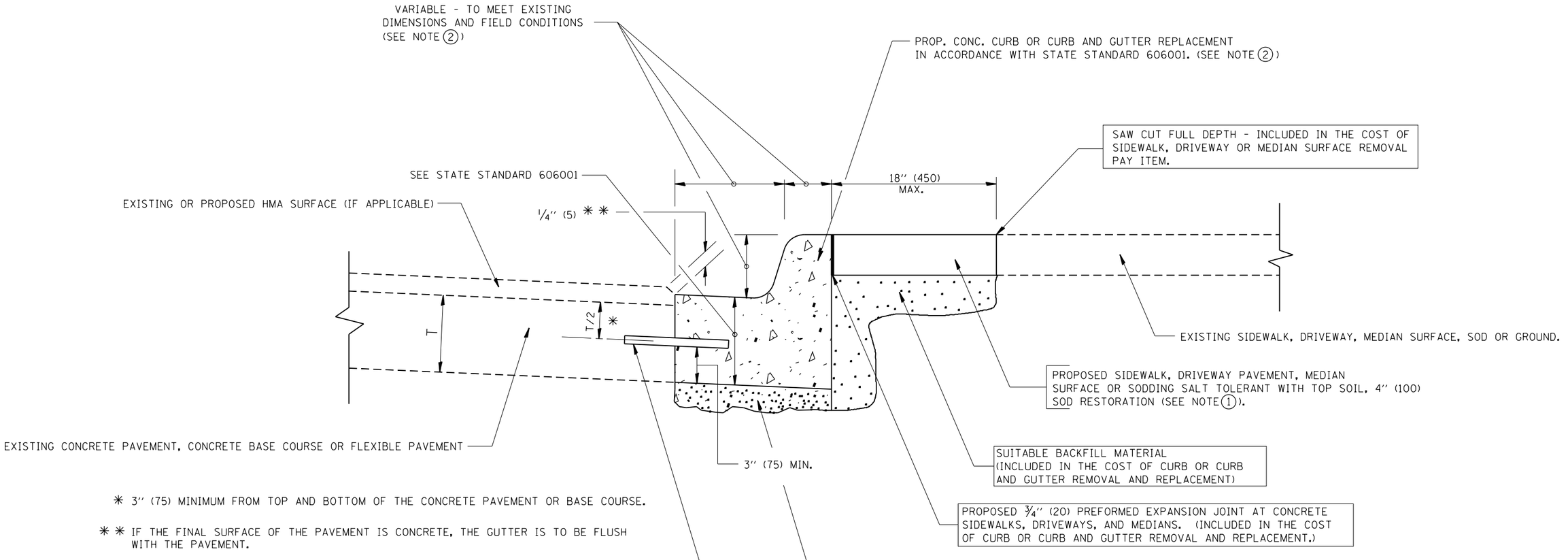
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1524DRAIN\Data\Design\DistStd.dgn	USER NAME = rothjp	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98
		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 09-04-07
	PLOT DATE = 2/1/2019	DATE - 10-25-94	REVISED - K. ENG 10-27-08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56R-2& 3) RS	DUPAGE	41	30
	BD400-04 (BD-22)	CONTRACT NO. 60V17		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

* * IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: (1) SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.

(2) FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

(3) CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

(4) FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

(5) LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

(6) THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

(7) THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

(8) THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

BASIS OF PAYMENT:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1524DRWN\Data\Design\DistStd.dgn	USER NAME = rothjp	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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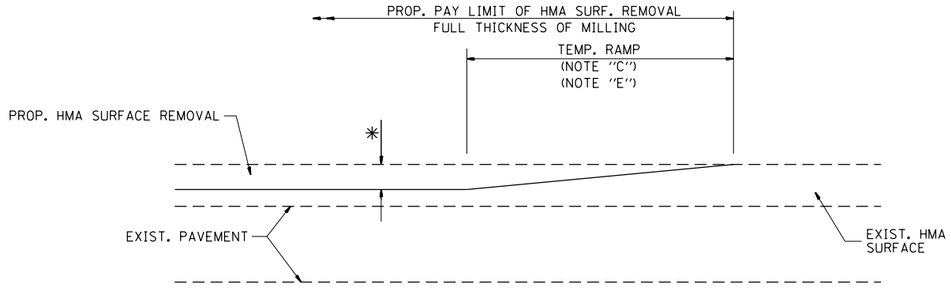
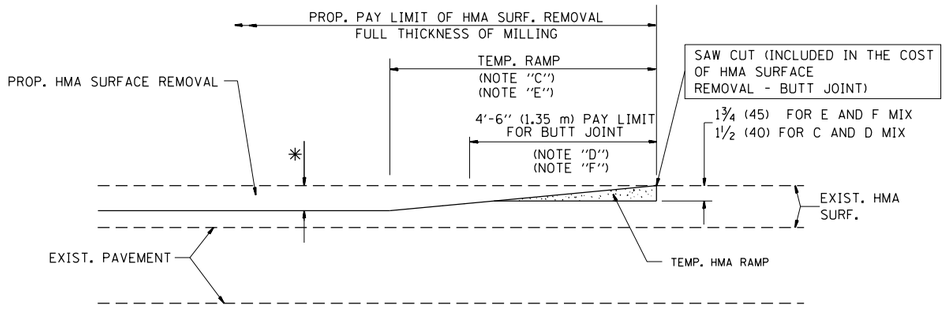
	PLOT DATE = 2/1/2019	DATE - 03-11-94	REVISED - M. GOMEZ 01-22-01		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.	BD600-06 (BD-24)		CONTRACT NO. 60V17		
			REVISED - R. BORO 12-15-09				FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

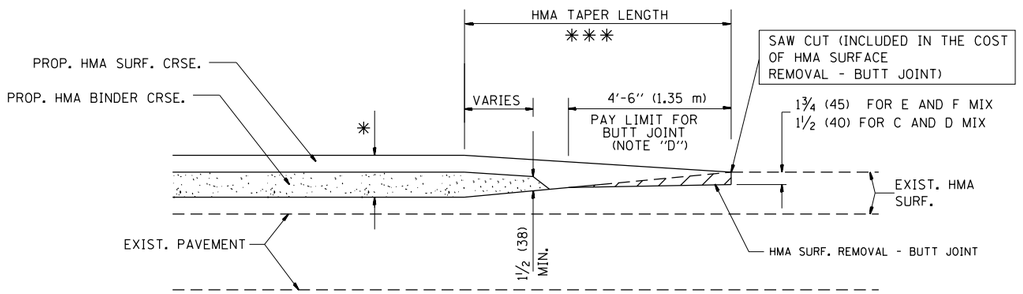


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

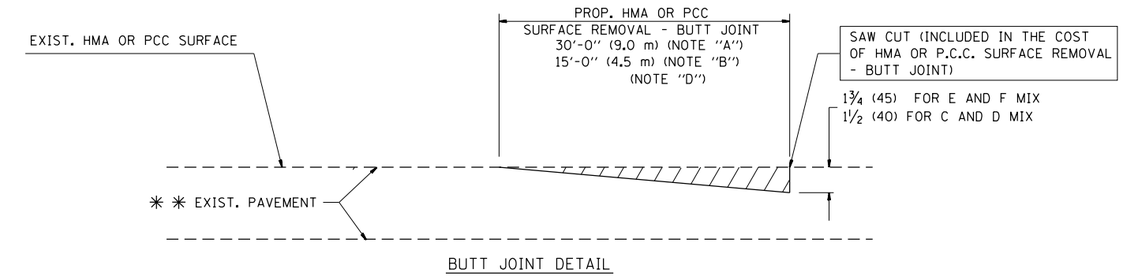
OPTION 2

TYPICAL TEMPORARY RAMP

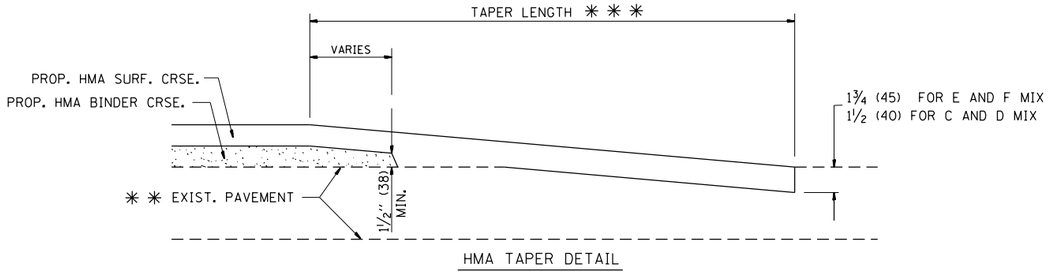


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.

B: MINOR SIDE ROADS.

C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.

F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT

G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

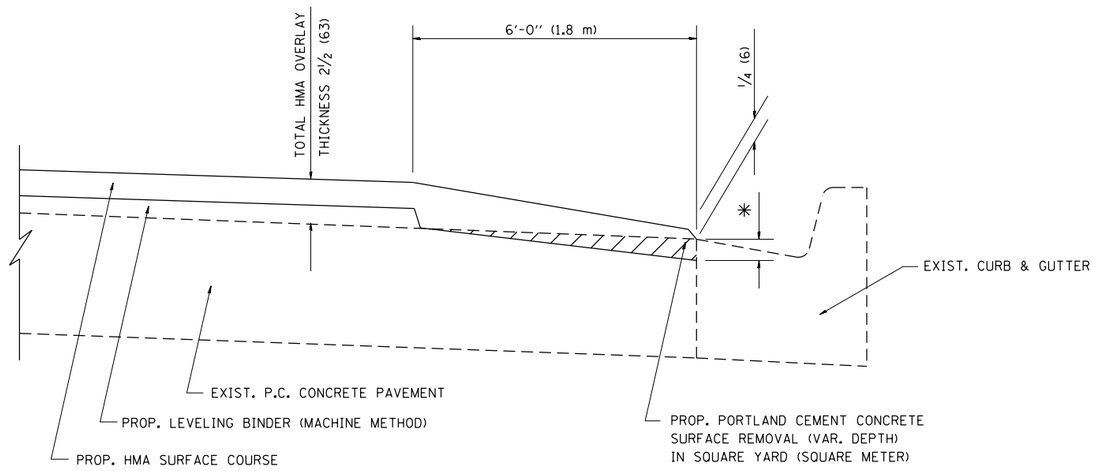
THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1524DRAWN\Data\Design\DistStd.dgn	USER NAME = rothjp	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT AND HMA TAPER DETAILS
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED - A. ABBAS 03-21-97		
	PLOT DATE = 2/1/2019	DATE - 06-13-90	REVISED - M. GOMEZ 04-06-01		
			REVISED - R. BORO 01-01-07		

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56R-2 & 3) RS	DUPAGE	41	32
	BD400-05 BD32	CONTRACT NO. 60V17		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



HMA TAPER AT
EDGE OF P.C.C PAVEMENT

HMA SURFACE		LEVELING BINDER	
MIX	THICKNESS	THICKNESS	* MILLING AT GUTTER FLAG
C OR D	1½ (38)	1 (25)	1¼ (33)
F	1¾ (44)	¾ (19)	1½ (38)

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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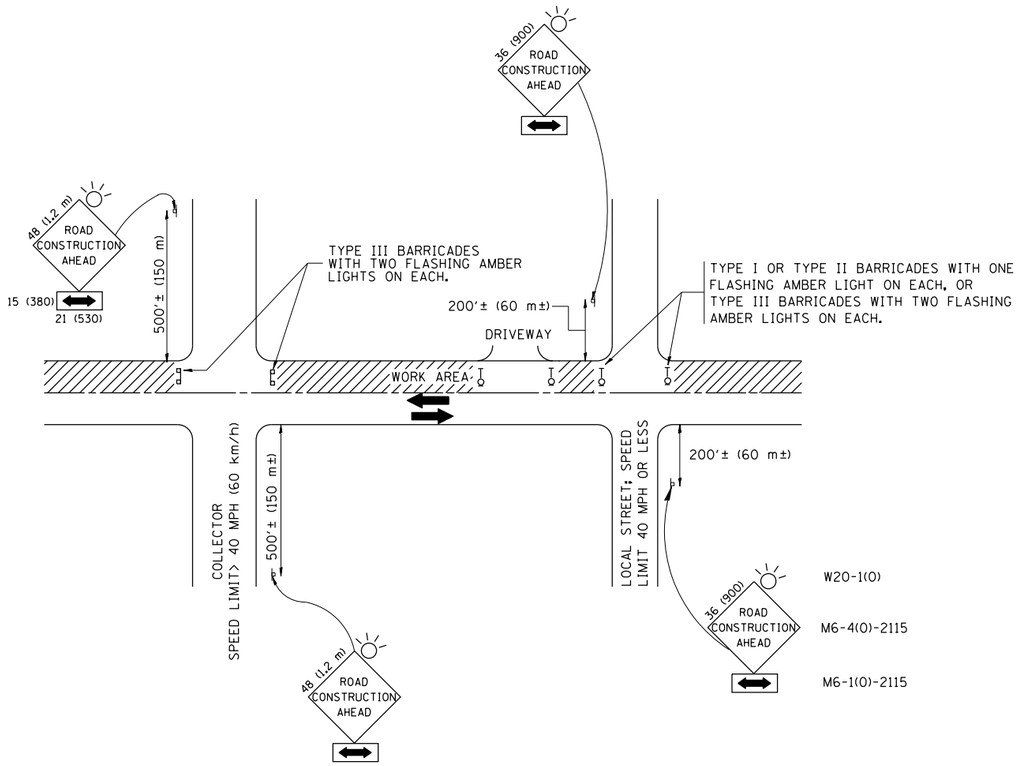
		DRAWN - JDS	REVISED - A. ABBAS 05-05-99
	PLOT SCALE = 100.0000 ' / in.	CHECKED - A. ABBAS	REVISED - E. GOMEZ 12-21-00
	PLOT DATE = 2/1/2019	DATE - 09-10-94	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HMA TAPER AT
EDGE OF P.C.C. PAVEMENT

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56R-2 & 3) RS	DUPAGE	41	33
	BD400-06 (BD33)	CONTRACT NO. 60V17		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in millimeters (inches) unless otherwise shown.

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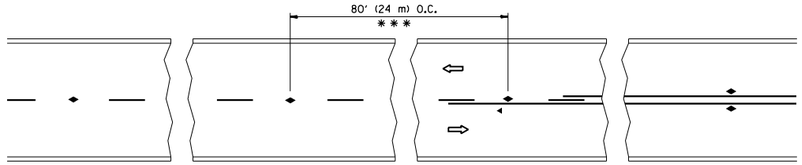
		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 2/1/2019	DATE - 06-89	REVISED -T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

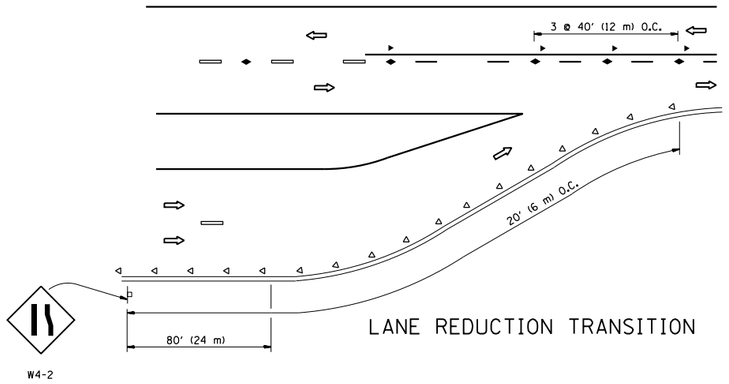
SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56R-2 & 3) RS	DUPAGE	41	34
	TC-10		CONTRACT NO. 60V17	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

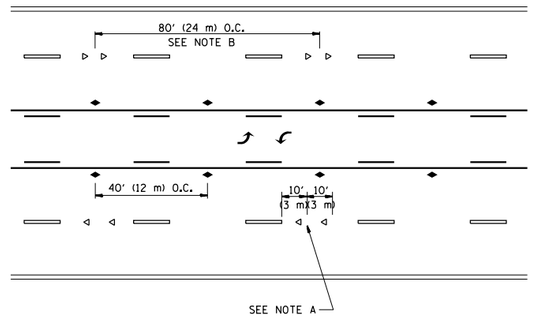


* * * REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

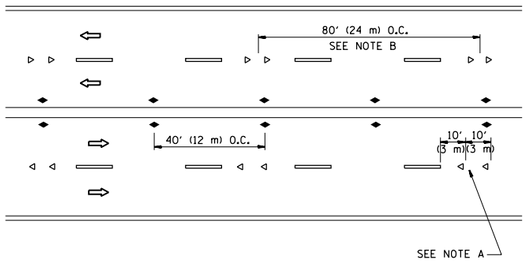
TWO-LANE/TWO-WAY



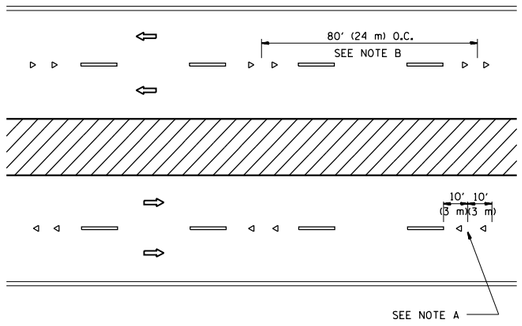
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- TWO-WAY AMBER MARKER

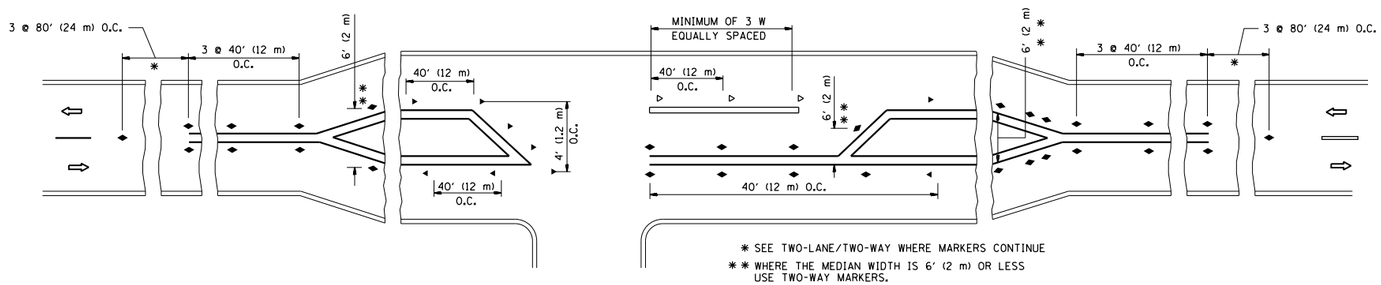
LANE MARKER NOTES

A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



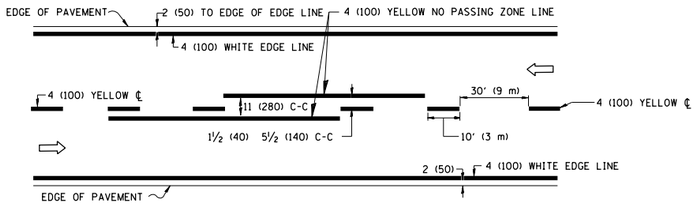
* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

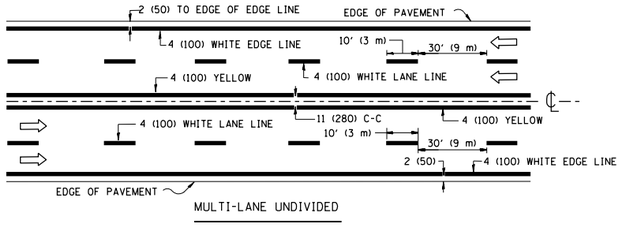
LEFT TURN

All dimensions are in inches (millimeters) unless otherwise shown.

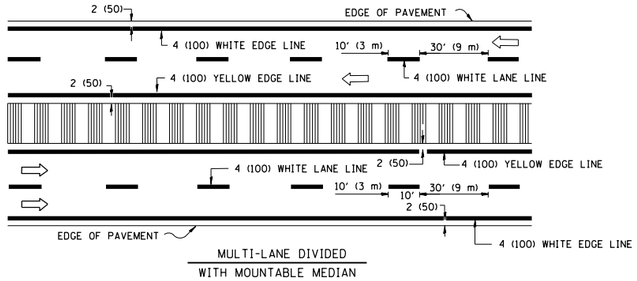
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1524DRAWN\Data\Design\DistStd.dgn	USER NAME = rothjp	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 03-12-99					365	(56R-2 & 3) RS	DUPAGE	41	35
	PLOT DATE = 2/1/2019	DATE -	REVISED - T. RAMMACHER 01-06-00						TC-11		CONTRACT NO. 60V17	
			REVISED - C. JUCIUS 09-09-09		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



2-LANE ROADWAY



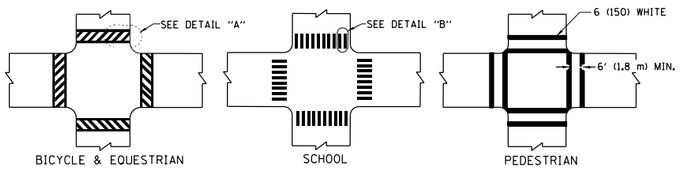
MULTI-LANE UNDIVIDED



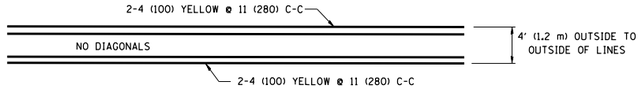
MULTI-LANE DIVIDED
WITH MOUNTABLE MEDIAN

NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

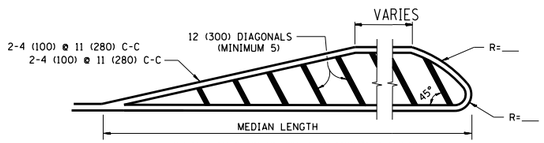
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



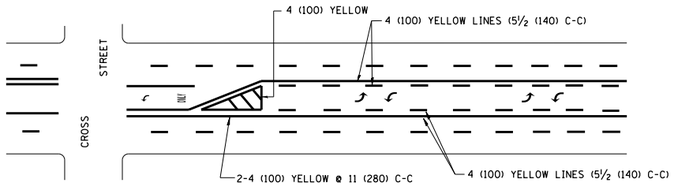
4' (1.2 m) WIDE MEDIANS ONLY



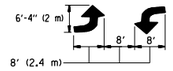
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

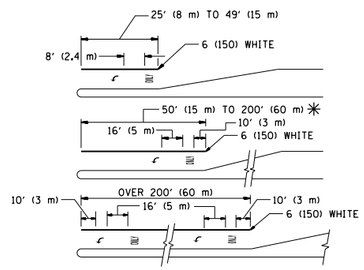


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

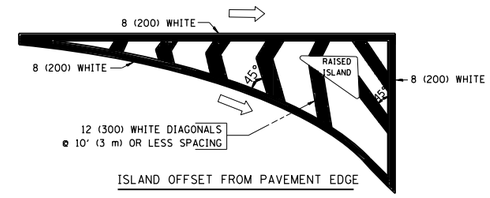


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m^2) **ONLY** AREA = 20.8 SQ. FT. (1.9 m^2)

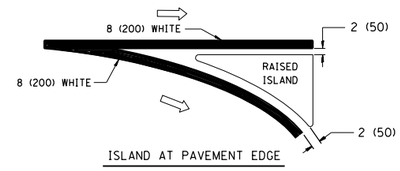
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 ø 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 ø 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 ø 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 ø 6 (150) 12 (300) ø 45° 12 (300) ø 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 ø 4 (100) WITH 12 (300) DIAGONALS ø 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS ø 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m^2) EACH "X"=54.0 SQ. FT. (5.0 m^2)
SHOULDER DIAGONALS	12 (300) ø 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1524DRAWN\Data\Design\DistStd.dgn	USER NAME = rothjp	DESIGNED - EVERS	REVISED -T. RAMMACHER 10-27-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE TYPICAL PAVEMENT MARKINGS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09				365	(56R-2 & 3) RS	DUPAGE	41	36
	PLOT DATE = 2/1/2019	DATE - 03-19-90	REVISED -					TC-13	CONTRACT NO. 60V17		
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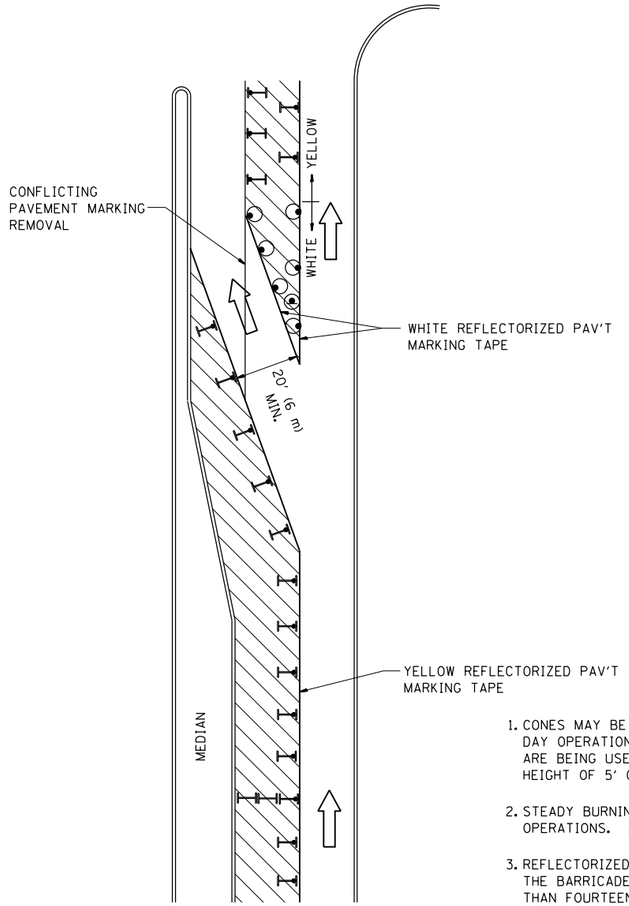
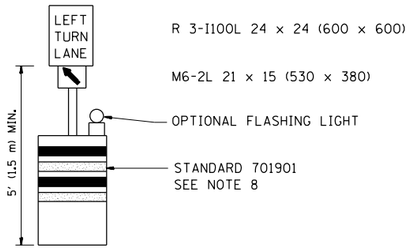




GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHR 350 PREQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

All dimensions are in inches (millimeters) unless otherwise shown.

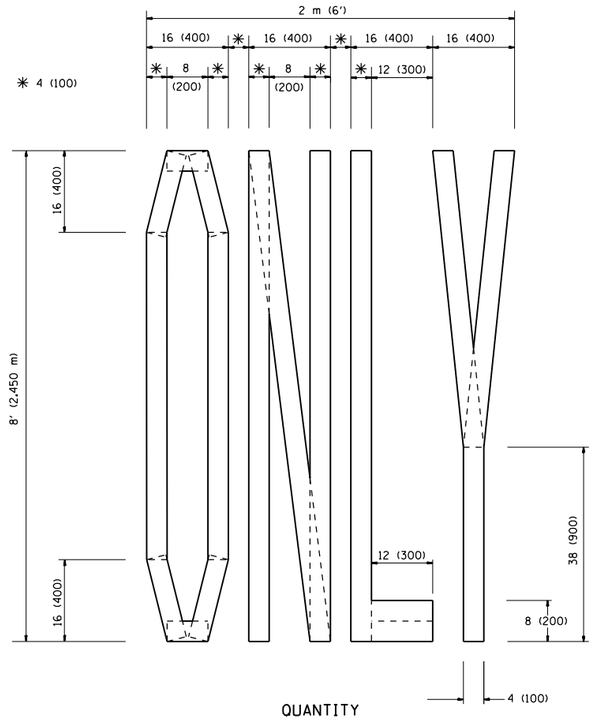
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1524[illegible]\Design\HOUSEH	USER NAME = rothjp	REVISED -T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
		REVISED - A. HOUSEH 11-07-95	REVISED -
	PLOT SCALE = 100.0000 '/ in.	REVISED - A. HOUSEH 10-12-96	REVISED -
	PLOT DATE = 2/1/2019	REVISED -T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

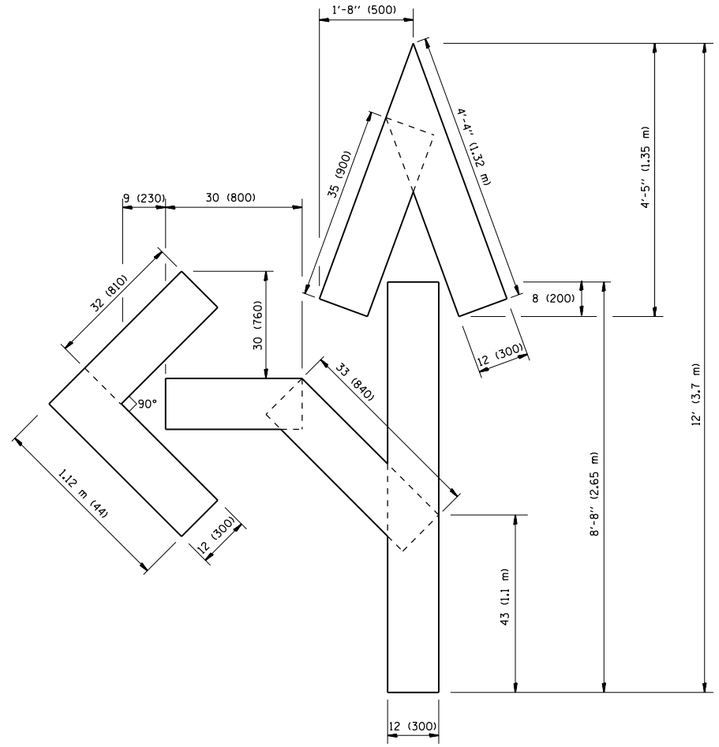
TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

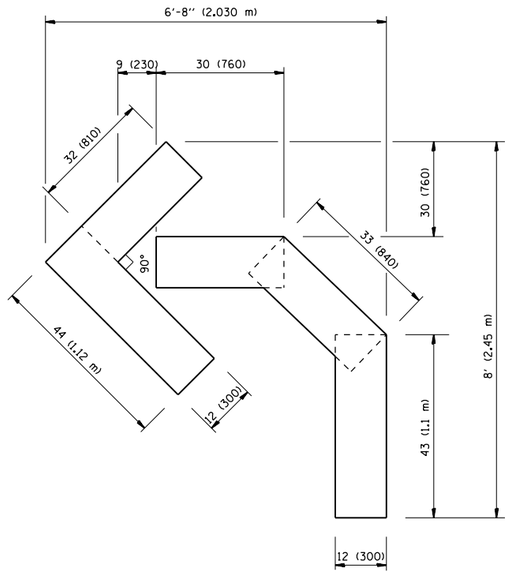
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56R-2 & 3) RS	DUPAGE	41	37
	TC-14	CONTRACT NO. 60V17		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



QUANTITY
4 (100) LINE = 64.1 ft. (19.7 m)
21.1 sq. ft. (1.97 sq. m)



QUANTITY
4 (100) LINE = 82.5 ft. (25.3 m)
27.5 sq. ft. (2.53 sq. m)



QUANTITY
4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.39 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1524DRAWN\Data\Design\DistStd.dgn	USER NAME = rothjp	DESIGNED -	REVISED -T. RAMMACHER 06-05-96
		DRAWN -	REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 2/1/2019	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

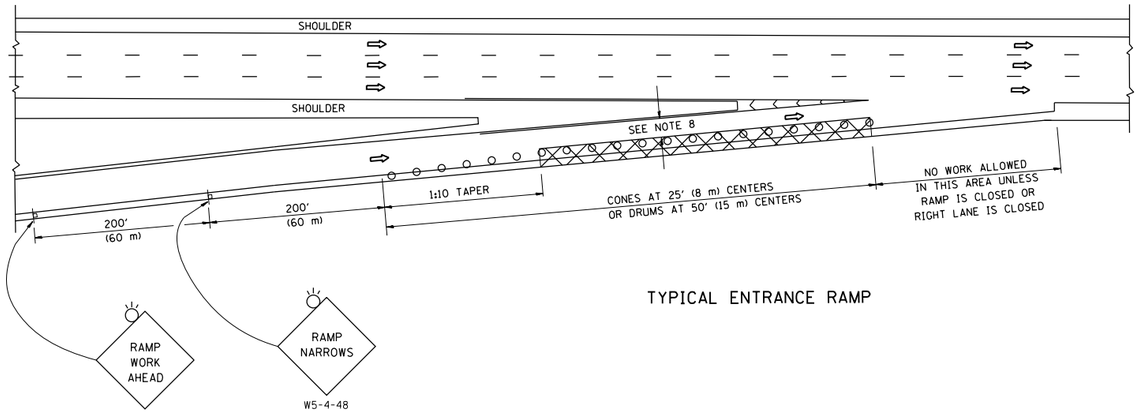
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING

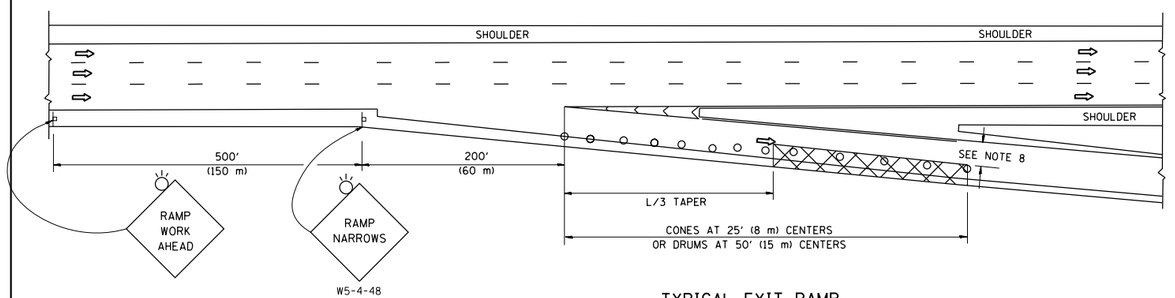
SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56R-2 & 3) RS	DUPAGE	41	38
	TC-16	CONTRACT NO. 60V17		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

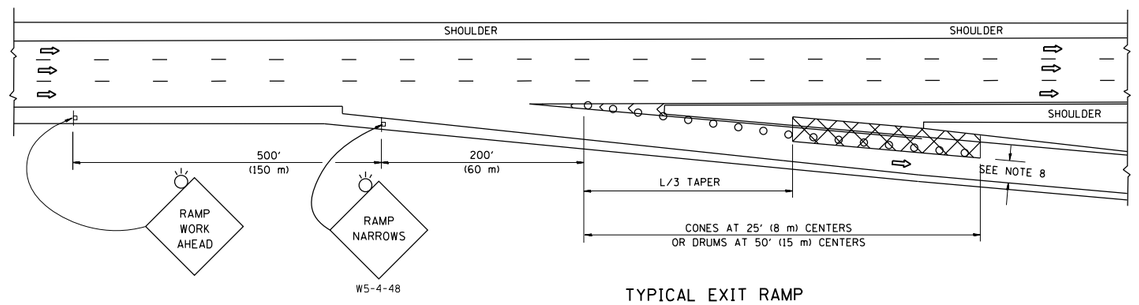
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP

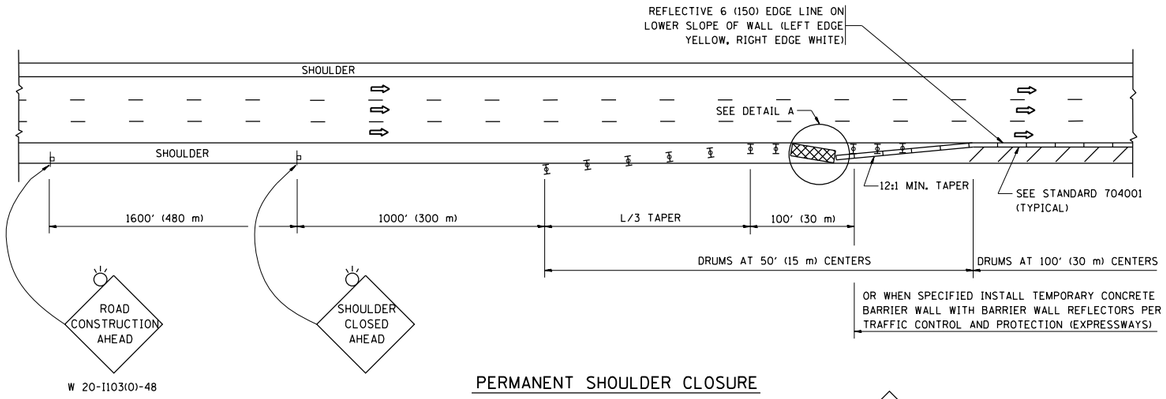


TYPICAL EXIT RAMP

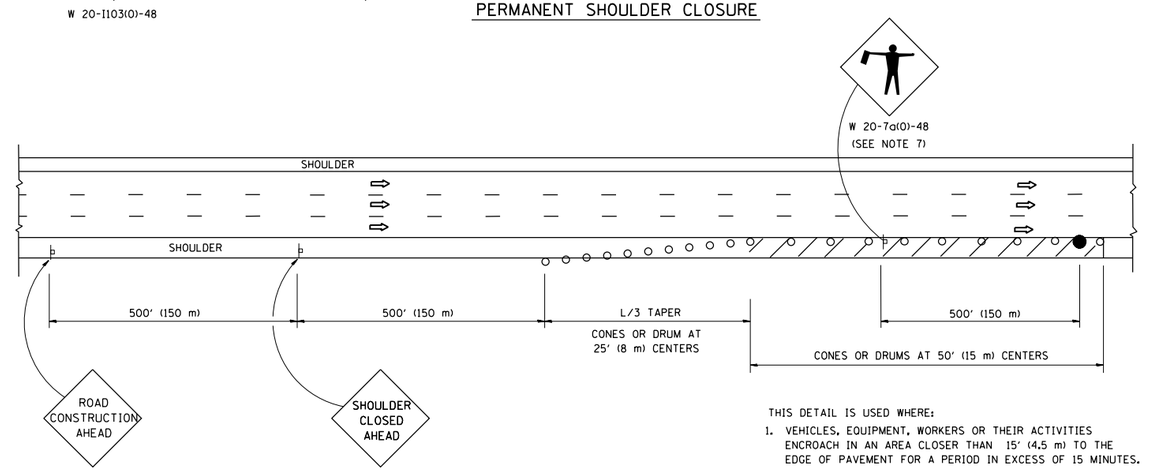


TYPICAL EXIT RAMP

SHOULDER CLOSURE DETAILS



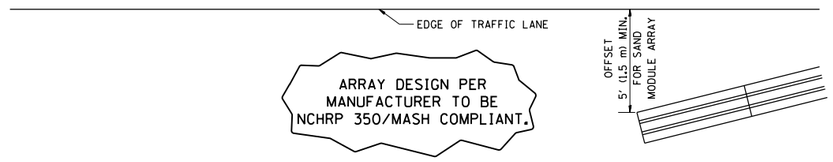
PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:

1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



DETAIL "A"
IMPACT ATTENTUATOR, TEMPORARY
(SEE NOTE 5)

SYMBOLS

- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES

1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS	
45 mph (80 km/h) OR GREATER:	METRIC L=0.65(W)(S)	ENGLISH L=(W)(S)

W = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)

2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.
5. THE IMPACT ATTENTUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
   a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
   b. THE WORK AVTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.

   THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12" MIN. WIDTH TANGENT SECTION
   16" MIN. WIDTH CURVE SECTION.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

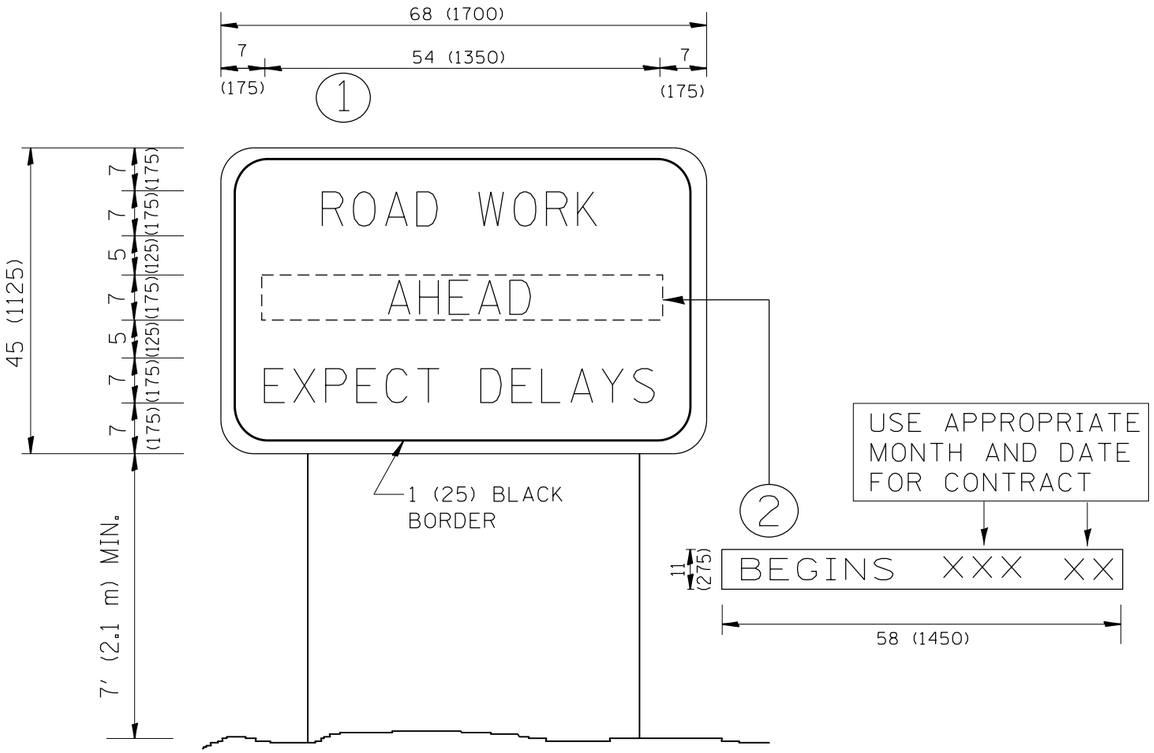
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1524DRAWN...\Design Data\Design Data\Std.dgn	USER NAME = rothjp	DESIGNED -	REVISED - J.A.F. 12-06
			REVISED - S.P.B. 01-07
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - S.P.B. 12-09
	PLOT DATE = 2/1/2019	DATE - 11-96	REVISED - M.D. 06-13

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56R-2 & 3) RS	DUPAGE	41	39
	TC-17	CONTRACT NO. 60V17		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE ''ROAD CONSTRUCTION AHEAD'' SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN (1) WITH INSTALLED PANEL (2) ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL (2) SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR ''TEMPORARY INFORMATION SIGNING'' FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1524\Working Data\Design\DistStd.dgn	USER NAME = rothjp	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 2/1/2019	DATE -	REVISED - C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

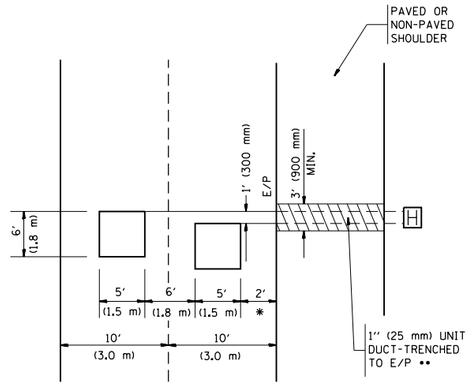
ARTERIAL ROAD INFORMATION SIGN

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56R-2 & 3) RS	DUPAGE	41	40
	TC-22	CONTRACT NO. 60V17		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.

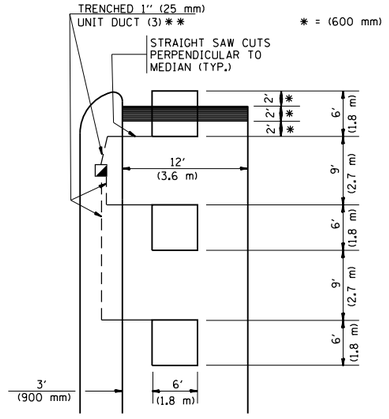


* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.

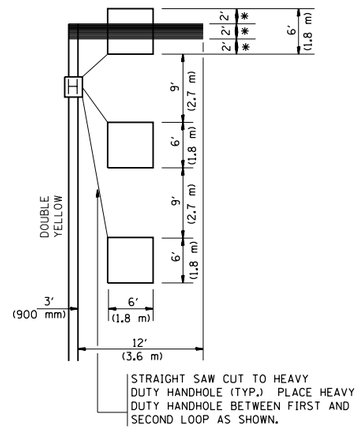


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

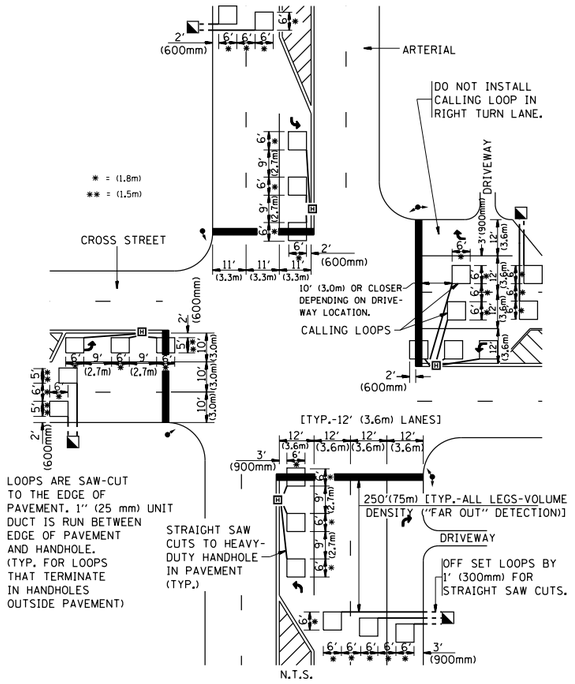
LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)

* = (600 mm)



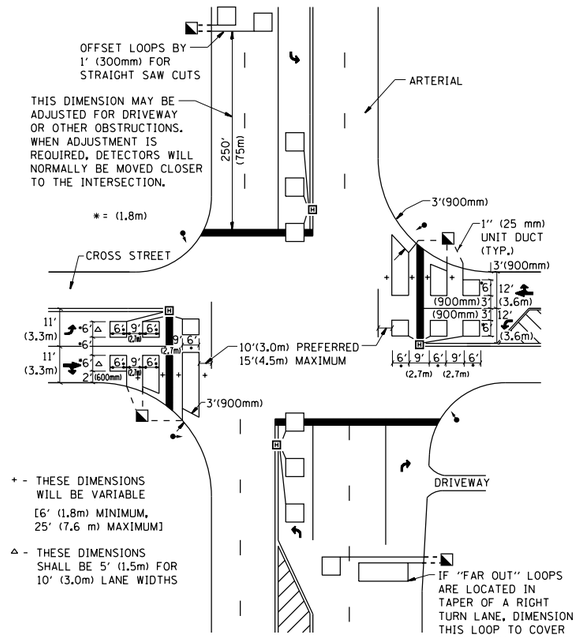
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)



DETAIL 1
N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATLY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
* ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
* EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
* WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
* WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1524 DRAWING Data\Design\DistStd.dgn	USER NAME = rothjp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - R.K.F.	REVISED -
	PLOT DATE = 2/1/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 – DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56R-2 & 3) RS	DUPAGE	41	41
	TS-07	CONTRACT NO. 60V17		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		