

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545/1411	561RS-4	COOK	*27	1
ILLINOIS			CONTRACT NO. 62F68	

\*27+25 = 52 TOTAL SHEETS

D-91-027-18



FOR INDEX OF SHEETS, SEE SHEET NO. 2

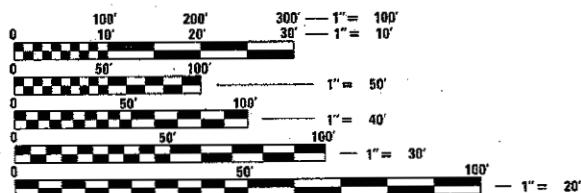
THIS PROJECT IS LOCATED IN THE VILLAGES OF HILLSIDE AND BERKELEY

PROPOSED  
HIGHWAY PLANS

FAU 3545: IL ROUTE 56 (BUTTERFIELD ROAD)  
CADWELL AVENUE TO WASHINGTON BLVD  
FAU 1411: IL ROUTE 56 (WASHINGTON BLVD)  
BUTTERFIELD ROAD TO MANNHEIM ROAD  
SECTION: 561RS-4  
RESURFACING (3P), PEDESTRIAN RAMPS  
PROJECT: STP-RKNU (396)  
COOK COUNTY  
C-91-037-18

TRAFFIC DATA

2015 ADT = 14000  
POSTED SPEED LIMIT = 30-35 MPH

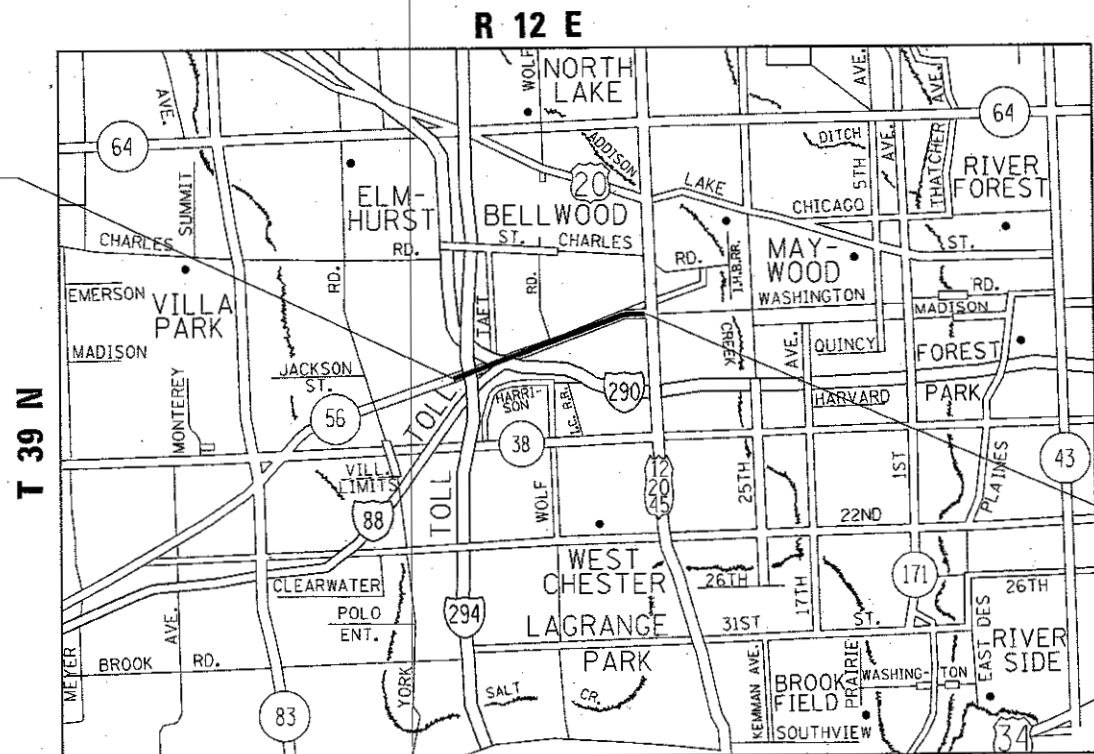


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: KARI SMITH (847) 705-4437  
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62F68



PROJECT BEGINS STA. 12+25

PROJECT ENDS STA. 116+05

PROVISO TOWNSHIP

GROSS LENGTH = 10,380 FT. = 1.97 MILE  
NET LENGTH = 10,380 FT. = 1.97 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
SUBMITTED January 30, 2018  
*Anthony J. Quigley* / AS  
REGIONAL ENGINEER  
*Mar 23, 2018*  
ENGINEER OF DESIGN AND ENVIRONMENT  
*Paul P. Chisholm*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	COVER SHEET
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6-7	TYPICAL SECTIONS
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12-14	DETECTOR LOOP REPLACEMENT PLAN
15	ADA CURB RAMP SCHEDULE
16 - 16Y	ADA CURB RAMP DETAILS
17	FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-08)
18	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
19	CURB AND CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
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23	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
24	TRAFFIC CONTROL & PROTECTION AT TURN BAYS (TC-14)
25	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING (TC-16)
26	ARTERIAL ROAD INFORMATION SIGN (TC-22)
27	DETECTOR LOOP INSTALLATION DETAIL FOR ROADWAY RESURFACING (TS-07)

STATE STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-00	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
701011-04	OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, 1W OR 2W, WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W, WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK CORNER OR CROSSWALK CLOSURE
701901-07	TRAFFIC CONTROL DEVICES

GENERAL NOTES

1. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
2. 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.
3. 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.
4. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
6. THE THICKNESS OF THE HMA 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 HMA MIXTURE IS PLACED.
7. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
8. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
9. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
10. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES WHERE THE SPEED LIMIT IS 40 MPH OR LESS, AND 1 INCH, WHERE THE SPEED LIMIT IS OVER 40 MPH. WITH WRITTEN APPROVAL FROM THE RESIDENT ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1:3 (V:H).
11. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
12. UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.
13. ALL PROPOSED SIDE CURB QUANTITIES ARE INCLUDED IN THE "PCC SIDEWALK, 5-IN" AND SHALL BE PAID AS SUCH.
14. THE RESIDENT ENGINEER SHALL CONTACT PATRICE HARRIS (PATRICE.HARRIS@ILLINOIS.GOV) , AREA TRAFFIC FIELD TECHNICIAN, A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
15. THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK.
16. CURB & GUTTER REMOVAL AND REPLACEMENT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
17. CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION
18. THE ENGINEER SHALL REPORT CLEARANCES UNDER THE BRIDGE BEFORE AND AFTER RESURFACING

USER NAME = Josephm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN -	REVISED -			3545/1411	561RS-4	COOK	27	2	
PLOT SCALE = 300.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 62F68					
PLOT DATE = 2/2/2018	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

URBAN

URBAN

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005					
20200100	EARTH EXCAVATION	CU YD	63	63					
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	565	565					
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	8	8					
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	8	8					
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	8	8					
25200110	SODDING, SALT TOLERANT	SO YD	565	565					
25200200	SUPPLEMENTAL WATERING	UNIT	25	25					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	32514	32514					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	90	90					
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), 1L-4.75, N50	TON	1850	1850					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	648	648					
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	3764	3764					
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	425	425					
42001300	PROTECTIVE COAT	SO YD	1096	1096					

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	6657	6657					
42400800	DETECTABLE WARNINGS	SO FT	620	620					
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	5052	5052					
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	44801	44801					
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	44801	44801					
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	10	10					
44000600	SIDEWALK REMOVAL	SO FT	6692	6692					
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SO YD	227	227					
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SO YD	220	220					
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SO YD	420	420					
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	85	85					
60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	3	3					
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1	1					

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FILE NAME =	USER NAME = Josephm	DESIGNED -	REVISED -
OFFICE DISTRICT PROJECT NO. CAD DRAWING NO. DATE		CHECKED -	REVISED -
PLOT SCALE = 1000000' / 1"		DATE -	REVISED -
PLOT DATE = 2/2/2018			

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545/1412	561RS-4	COOK	27	3
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT			CONTRACT NO. 62F68	

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URBAN

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005			
60255500	MANHOLES TO BE ADJUSTED	EACH	35	35			
60266600	VALVE BOXES TO BE ADJUSTED	EACH	5	5			
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	3	3			
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	44	44			
60404940	FRAMES AND GRATES, TYPE 23	EACH	2	2			
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	1	1			
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	1	1			
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	63	63			
* 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1			
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	4	4			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6			
67100100	MOBILIZATION	L SUM	1	1			
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1			
70102626	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	EACH	1	1			
70102631	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	EACH	1	1			

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005			
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1			
70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	1	1			
70300100	SHORT TERM PAVEMENT MARKING	FOOT	8902	8902			
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	3750	3750			
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	410	410			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	35515	35515			
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1430	1430			
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	225	225			
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	420	420			
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	255	255			
70300520	PAVEMENT MARKING TAPE, TYPE III - 4"	FOOT	4451	4451			
* 72400310	REMOVE SIGN PANEL - TYPE 1	SO FT	27	27			
* 72400710	RELOCATE SIGN PANEL - TYPE 1	SO FT	27	27			
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	410	410			

\*Specialty Item

FILE NAME =	USER NAME = Josephm	DESIGNED -	REVISED -
Offices/District/Project/DC/CA/Design/DC/27/	Offices/District/Project/DC/CA/Design/DC/27/	CHECKED -	REVISED -
PLLOT SCALE = 1/8" = 100.0000' / 1"	DATE -	CHECKED -	REVISED -
PLLOT DATE = 2/2/2008	DATE -	CHECKED -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545/1411	561RS-4	COOK	27	4
CONTRACT NO. 62F68				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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URBAN

URBAN

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	35515	35515				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1430	1430				
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	225	225				
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	420	420				
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	255	255				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	760	760				
	78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	464	464				
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1				
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	651	651				
* 89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	6	6				
* 89502376	REBUILD EXISTING HANDHOLE	EACH	2	2				
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1				

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005				
X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	11	11				
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	44	44				
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	200	200				
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	48	48				
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	1874	1874				
X8950205	REBUILD EXISTING HANDHOLE, SPECIAL	EACH	1	1				
Z0004538	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"	SQ YD	1	1				
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	1600	1600				
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	5	5				
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	102.8	102.8				
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1				
	20076600 TRAINEES	HOURL	500	500				
	20076604 TRAINEES - TRAINING PROGRAM GRADUATE	HOURL	500	500				
	* Specialty Item							

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FILE NAME =	USER NAME = Joseph	DESIGNED -	REVISED -
OFFICE =	PROJECT =	CHECKED -	REVISED -
PLOT SCALE = 100,0000' / 1"	DATE = 2/2/2018		

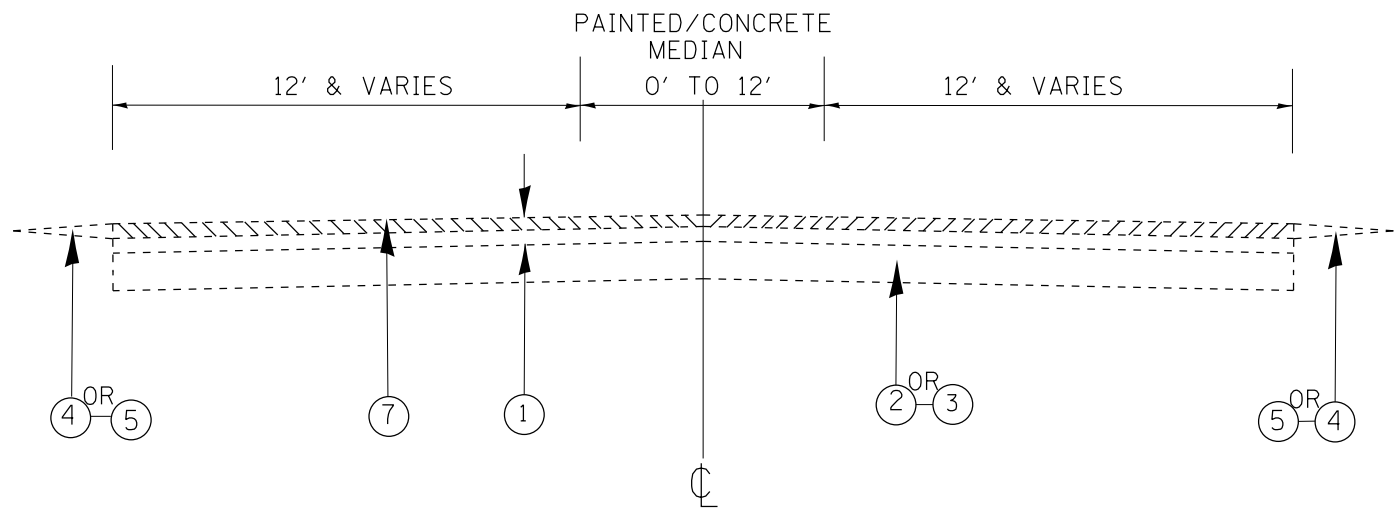
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

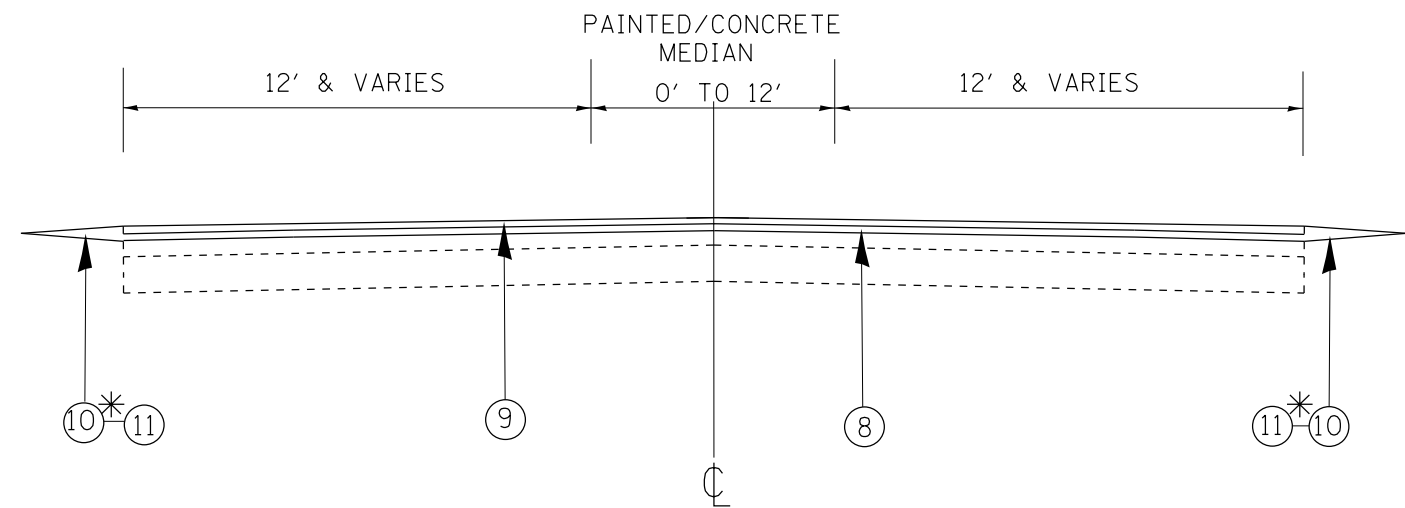
F.A.U. R.T.E. 3549/141	SECTION 561RS-4	COUNTY COOK	TOTAL SHEETS 27	SHEET NO. 5
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT CONTRACT NO. 62F68				

Revised 0042

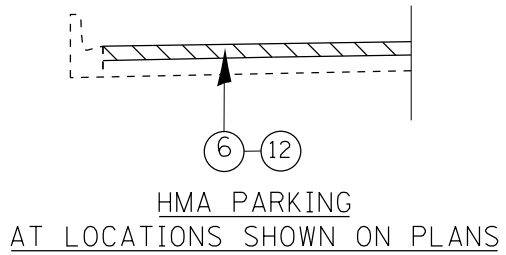
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IL 56/BUTTERFIELD RD.  
EXISTING TYPICAL SECTION  
STA 12+25 TO STA 108+00



IL 56/BUTTERFIELD RD.  
PROPOSED TYPICAL SECTION  
STA 12+25 TO STA 108+00



\*GRADING AND SHAPING SHOULDER & AGGREGATE WEDGE SHOULDER LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.

**LEGEND**

- ① EXISTING HMA SURFACE COURSE, 6 1/4" AND VARIES
- ② EXISTING PCC PAVEMENT, 9" AND VARIES
- ③ EXISTING BASE COURSE WIDENING, 9"
- ④ EXISTING CURB AND GUTTER
- ⑤ EXISTING HMA/AGGREGATE SHOULDER
- ⑥ PROPOSED HMA SURFACE REMOVAL, 1 1/2" (HMA PARKING)
- ⑦ PROPOSED HMA SURFACE REMOVAL, 2 1/4" (MAINLINE AND HMA SHOULDER)
- ⑧ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑨ PROPOSED HMA SURFACE COURSE, MIX "D", N70, 1 1/2"
- ⑩ PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B
- ⑪ PROPOSED GRADING AND SHAPING SHOULDERS
- ⑫ PROPOSED INCIDENTAL HMA SURFACING

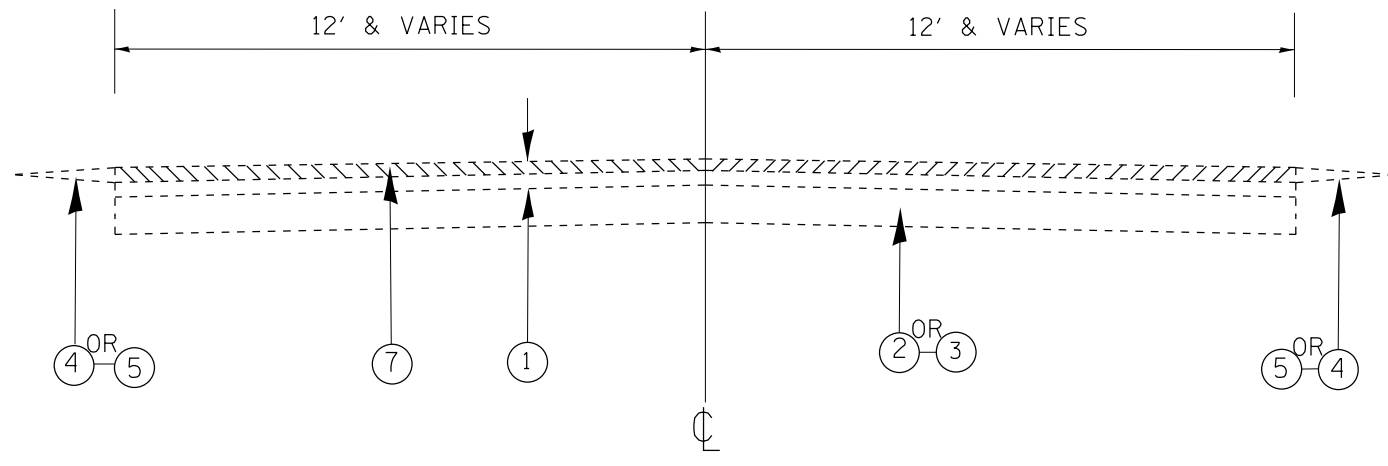
HOT-MIX ASPHALT MIXTURE REQUIREMENTS		AIR VOIDS @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
	MIXTURE TYPE		
MAINLINE SHOULDER	HMA SURFACE COURSE, MIX "D", N70, (IL-9.5 mm)	4% @ 70 GYR.	OCP
	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% @ 50 GYR.	OCP
HMA PARKING	INCIDENTAL HMA SURFACING 1 1/2" HMA SURFACE COURSE, MIX D, N70 (IL-9.5 mm)	4% @ 70 GYR.	QC/OA
	CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR.	QC/OA
QMP DESIGNATION: QUALITY CONTROL/ QUALITY ASSURANCE (QC/OA); QUALITY CONTROL FOR PERFORMANCE (OCP); PAY FOR PERFORMANCE (PFP)			

**NOTES:**

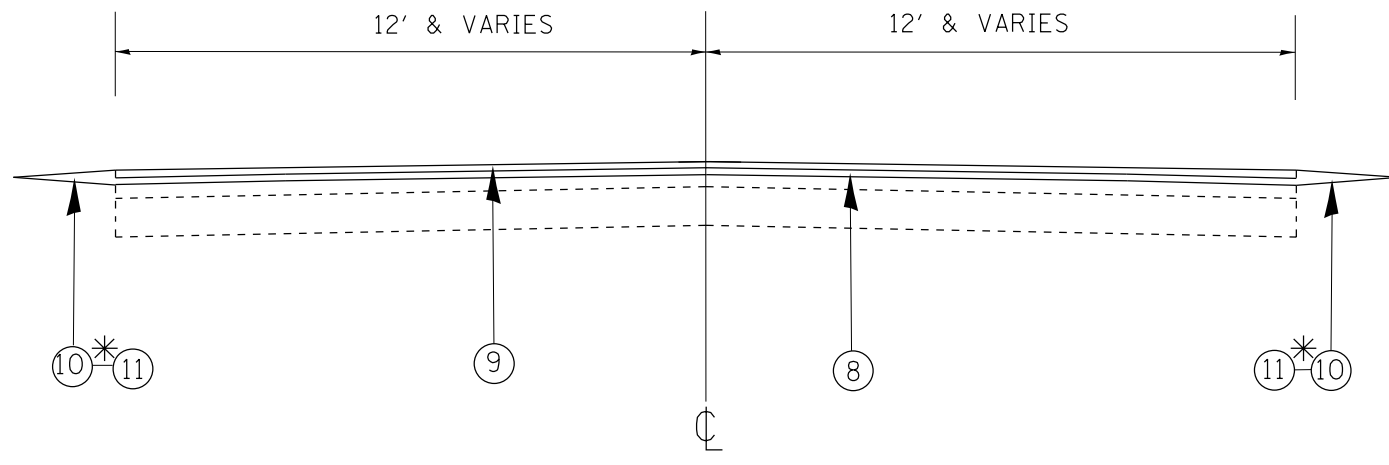
1. THE CONTRACTOR SHALL MILL BEFORE PATCHING
2. THE UNIT WEIGHT TO BE USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
3. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

LEGEND

- ① EXISTING HMA SURFACE COURSE, 6 1/4" AND VARIES
- ② EXISTING PCC PAVEMENT, 9" AND VARIES
- ③ EXISTING BASE COURSE WIDENING, 9"
- ④ EXISTING CURB AND GUTTER
- ⑤ EXISTING HMA/AGGREGATE SHOULDER
- ⑥ PROPOSED HMA SURFACE REMOVAL, 1 1/2" (HMA PARKING)
- ⑦ PROPOSED HMA SURFACE REMOVAL, 2 1/4" (MAINLINE AND HMA SHOULDER)
- ⑧ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑨ PROPOSED HMA SURFACE COURSE, MIX "D", N70, 1 1/2"
- ⑩ PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B
- ⑪ PROPOSED GRADING AND SHAPING SHOULDERS
- ⑫ PROPOSED INCIDENTAL HMA SURFACING



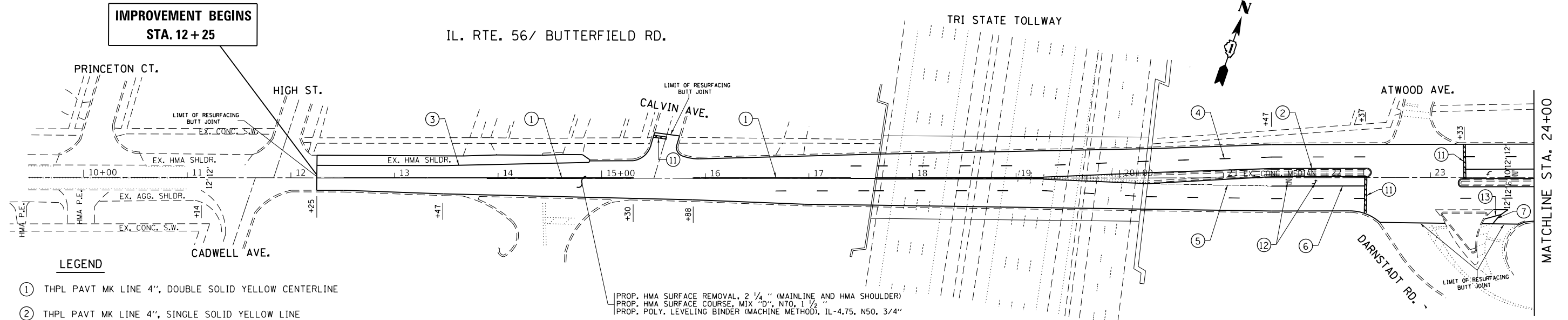
IL56/WASHINGTON BLVD  
EXISTING TYPICAL SECTION  
STA 108+00 TO STA 116+05



IL56/WASHINGTON BLVD  
PROPOSED TYPICAL SECTION  
STA 108+00 TO STA 116+05

USER NAME = Josephm PLOT SCALE = 100,0000' / in. PLOT DATE = 2/2/2018	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -				3545/1433	561RS-4	COOK	27	7
	CHECKED -	REVISED -		SCALE:      SHEET      OF      SHEETS      STA.      TO STA.		CONTRACT NO. 62F68				
	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				

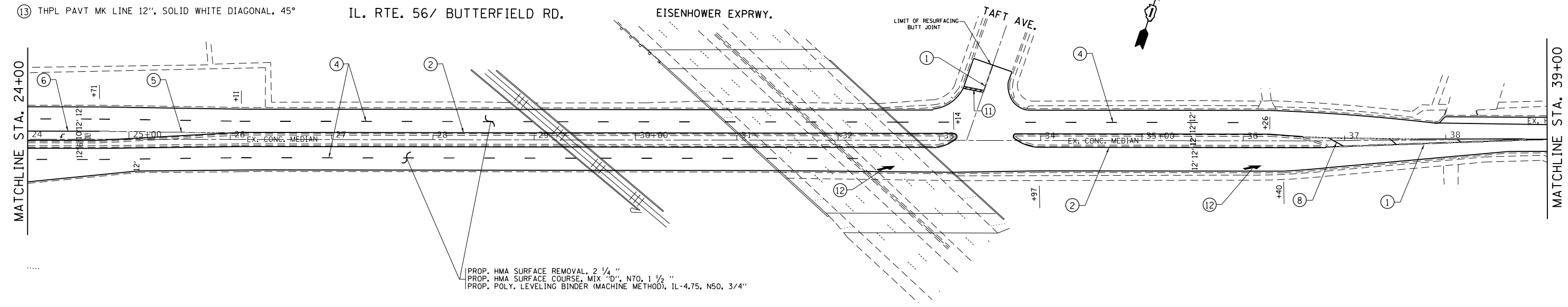
USE TC-11 IDOT DETAIL  
 USE TC-13 IDOT DETAIL



**LEGEND**

- ① THPL PAVT MK LINE 4", DOUBLE SOLID YELLOW CENTERLINE
- ② THPL PAVT MK LINE 4", SINGLE SOLID YELLOW LINE
- ③ THPL PAVT MK LINE 4", SOLID WHITE, EDGE LINE
- ④ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP
- ⑤ THPL PAVT MK LINE 6", SKIP DASH WHITE LANE LINE, 2' DASH - 6' SKIP
- ⑥ THPL PAVT MK LINE 6", SOLID WHITE LINE
- ⑦ THPL PAVT MK LINE 8", SOLID WHITE LINE
- ⑧ THPL PAVT MK LINE 12", SOLID YELLOW DIAGONAL, 45° (5 MINIMUM)
- ⑨ THPL PAVT MK LINE 12", SOLID WHITE LINE
- ⑩ THPL PAVT MK LINE 12", SOLID WHITE CHEVRONS, 45° (5 MINIMUM)
- ⑪ THPL PAVT MK LINE 24", SOLID WHITE STOP BAR
- ⑫ THPL PAVT MK, LETTERS AND SYMBOLS
- ⑬ THPL PAVT MK LINE 12", SOLID WHITE DIAGONAL, 45°

PROP. HMA SURFACE REMOVAL, 2 1/4" (MAINLINE AND HMA SHOULDER)  
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1 1/2"  
 PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"



PROP. HMA SURFACE REMOVAL, 2 1/4" (MAINLINE AND HMA SHOULDER)  
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1 1/2"  
 PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

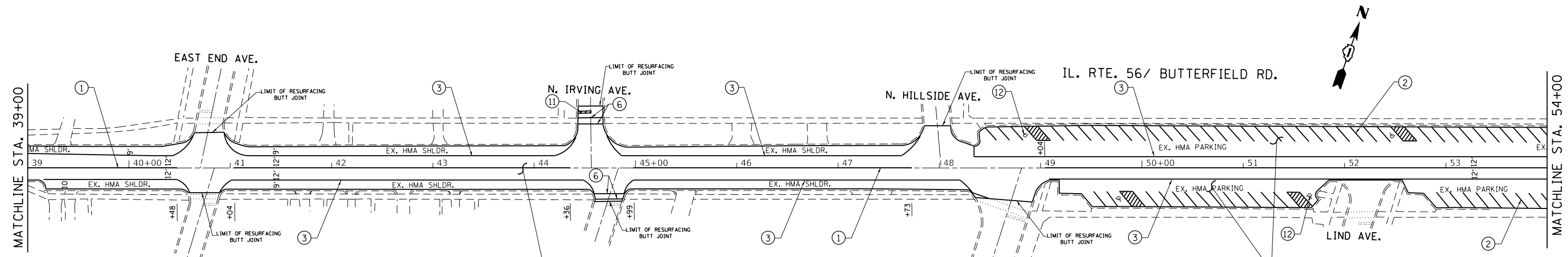
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PLOT DATE = 2/2/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>ROADWAY PLAN</b>			
<b>IL ROUTE 56 / BUTTERFIELD ROAD</b>			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. 11+00 TO STA. 39+00

F.A.U. RTE. 5545/143	SECTION 561RS-4	COUNTY COOK	TOTAL SHEETS 27	SHEET NO. 8
CONTRACT NO. 62F68				
ILLINOIS FED. AID PROJECT				

USE TC-11 IDOT DETAIL  
 USE TC-13 IDOT DETAIL

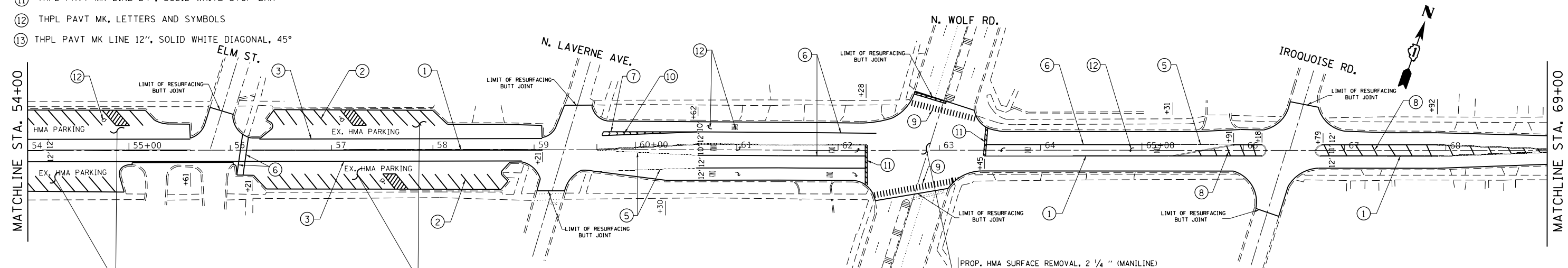


**LEGEND**

- ① THPL PAVT MK LINE 4", DOUBLE SOLID YELLOW CENTERLINE
- ② THPL PAVT MK LINE 4", SINGLE SOLID YELLOW LINE
- ③ THPL PAVT MK LINE 4", SOLID WHITE, EDGE LINE
- ④ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP
- ⑤ THPL PAVT MK LINE 6", SKIP DASH WHITE LANE LINE, 2' DASH - 6' SKIP
- ⑥ THPL PAVT MK LINE 6", SOLID WHITE LINE
- ⑦ THPL PAVT MK LINE 8", SOLID WHITE LINE
- ⑧ THPL PAVT MK LINE 12", SOLID YELLOW DIAGONAL, 45° (5 MINIMUM)
- ⑨ THPL PAVT MK LINE 12", SOLID WHITE LINE
- ⑩ THPL PAVT MK LINE 12", SOLID WHITE CHEVRONS, 45° (5 MINIMUM)
- ⑪ THPL PAVT MK LINE 24", SOLID WHITE STOP BAR
- ⑫ THPL PAVT MK, LETTERS AND SYMBOLS
- ⑬ THPL PAVT MK LINE 12", SOLID WHITE DIAGONAL, 45°

PROP. HMA SURFACE REMOVAL, 2 1/4" (MANILINE AND HMA SHOULDER)  
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1 1/2"  
 PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

PROP. HMA SURFACE REMOVAL, 1 1/2" (HMA PARKING)  
 PROP. INCIDENTAL HMA SURFACING (HMA PARKING)



PROP. HMA SURFACE REMOVAL, 1 1/2" (HMA PARKING)  
 PROP. INCIDENTAL HMA SURFACING (HMA PARKING)

PROP. HMA SURFACE REMOVAL, 1 1/2" (HMA PARKING)  
 PROP. INCIDENTAL HMA SURFACING (HMA PARKING)

PROP. HMA SURFACE REMOVAL, 2 1/4" (MANILINE)  
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1 1/2"  
 PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

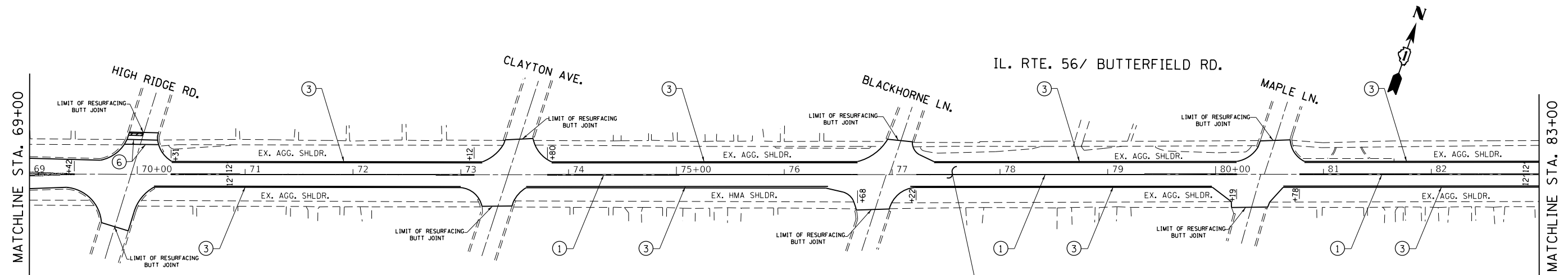
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PLOT DATE = 2/2/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>ROADWAY PLAN</b>	
<b>IL ROUTE 56 / BUTTERFIELD ROAD</b>	
SCALE: 1"=50'	SHEET OF SHEETS STA. 39+00 TO STA. 69+00

F.A.U. RTE. 5545/143	SECTION 561R5-4	COUNTY COOK	TOTAL SHEETS 27	SHEET NO. 9
CONTRACT NO. 62F68				
ILLINOIS FED. AID PROJECT				

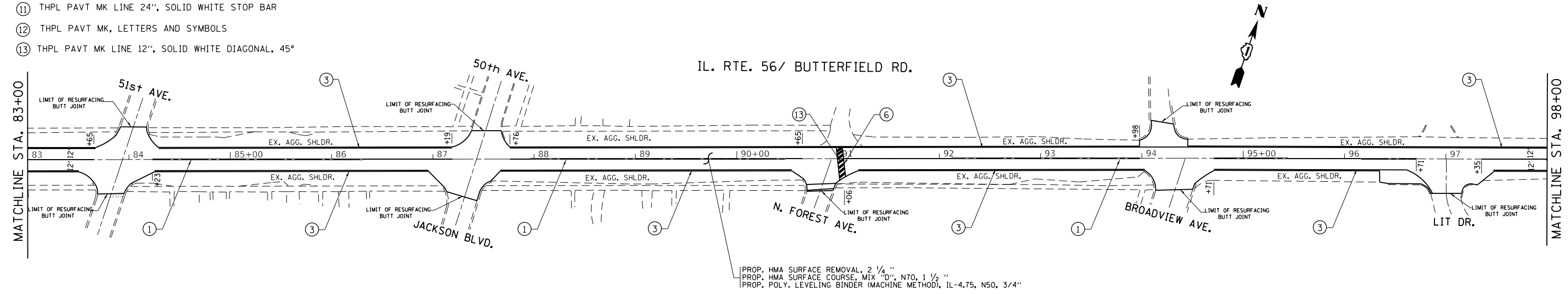
USE TC-11 IDOT DETAIL  
 USE TC-13 IDOT DETAIL



**LEGEND**

- ① THPL PAVT MK LINE 4", DOUBLE SOLID YELLOW CENTERLINE
- ② THPL PAVT MK LINE 4", SINGLE SOLID YELLOW LINE
- ③ THPL PAVT MK LINE 4", SOLID WHITE, EDGE LINE
- ④ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP
- ⑤ THPL PAVT MK LINE 6", SKIP DASH WHITE LANE LINE, 2' DASH - 6' SKIP
- ⑥ THPL PAVT MK LINE 6", SOLID WHITE LINE
- ⑦ THPL PAVT MK LINE 8", SOLID WHITE LINE
- ⑧ THPL PAVT MK LINE 12", SOLID YELLOW DIAGONAL, 45° (5 MINIMUM)
- ⑨ THPL PAVT MK LINE 12", SOLID WHITE LINE
- ⑩ THPL PAVT MK LINE 12", SOLID WHITE CHEVRONS, 45° (5 MINIMUM)
- ⑪ THPL PAVT MK LINE 24", SOLID WHITE STOP BAR
- ⑫ THPL PAVT MK, LETTERS AND SYMBOLS
- ⑬ THPL PAVT MK LINE 12", SOLID WHITE DIAGONAL, 45°

PROP. HMA SURFACE REMOVAL, 2 1/4"  
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1 1/2"  
 PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"



PROP. HMA SURFACE REMOVAL, 2 1/4"  
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1 1/2"  
 PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

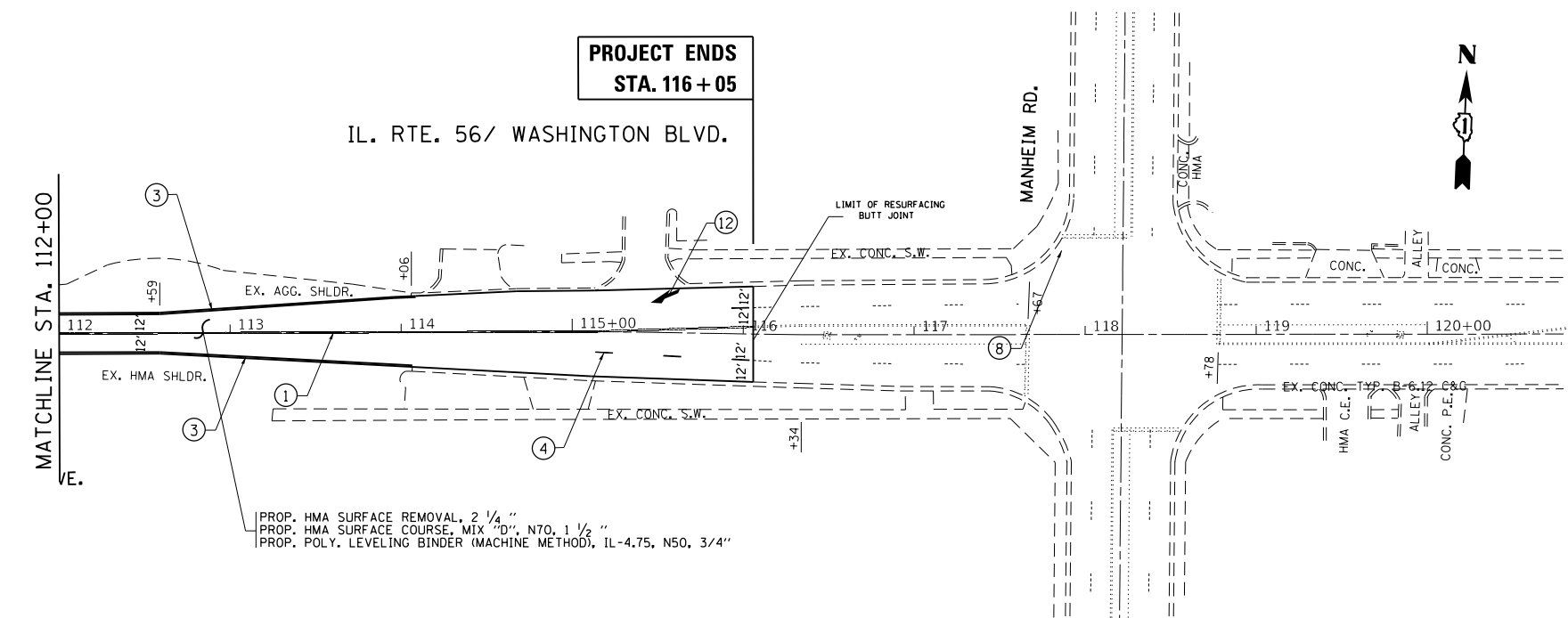
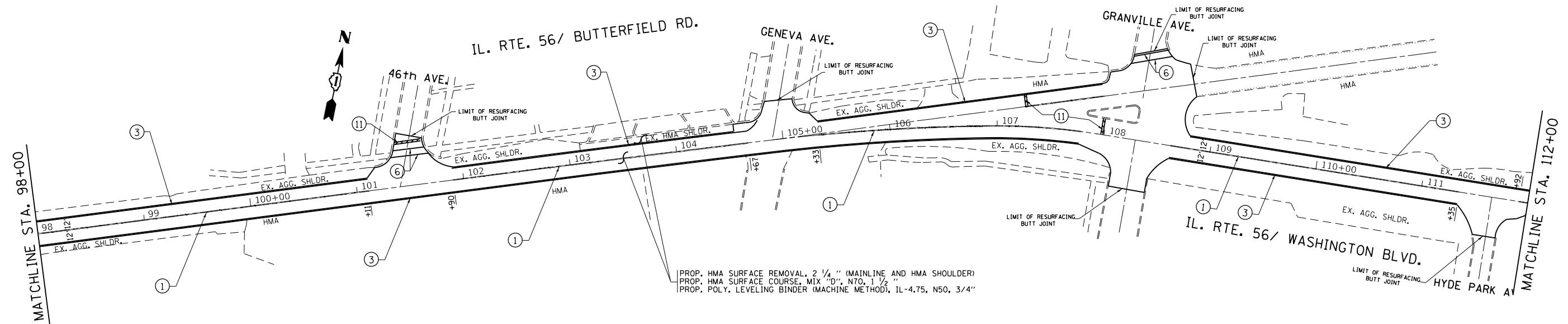
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PLOT DATE = 2/2/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>ROADWAY PLAN</b>			
<b>IL ROUTE 56 / BUTTERFIELD ROAD</b>			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. 69+00 TO STA. 98+00

F.A.U. RTE. 3545/141	SECTION 561RS-4	COUNTY COOK	TOTAL SHEETS 27	SHEET NO. 10
CONTRACT NO. 62F68				
ILLINOIS FED. AID PROJECT				

USE TC-11 IDOT DETAIL  
USE TC-13 IDOT DETAIL



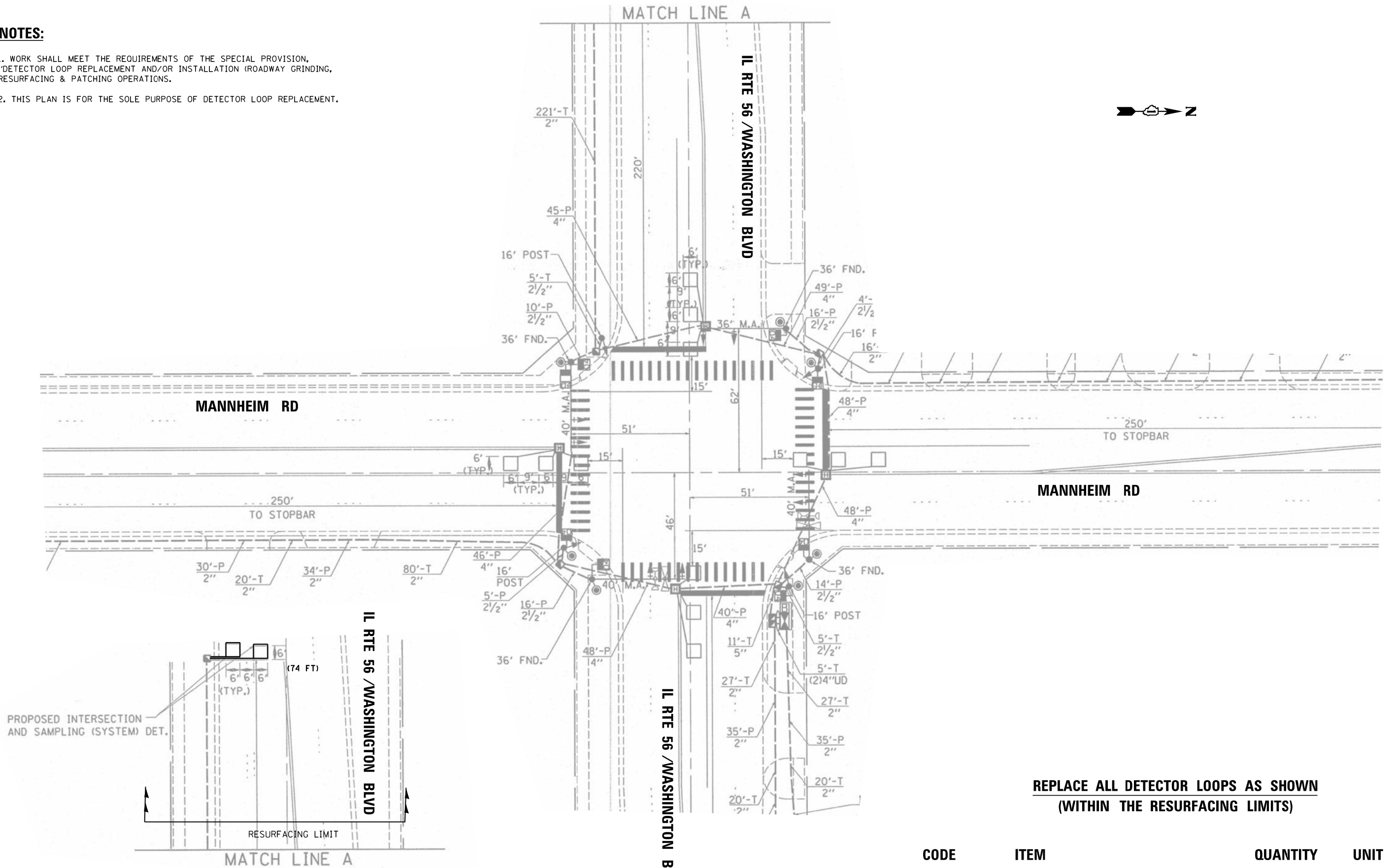
**LEGEND**

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- ③ THPL PAVT MK LINE 4", SOLID WHITE, EDGE LINE
- ④ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP
- ⑤ THPL PAVT MK LINE 6", SKIP DASH WHITE LANE LINE, 2' DASH - 6' SKIP
- ⑥ THPL PAVT MK LINE 6", SOLID WHITE LINE
- ⑦ THPL PAVT MK LINE 8", SOLID WHITE LINE
- ⑧ THPL PAVT MK LINE 12", SOLID YELLOW DIAGONAL, 45° (5 MINIMUM)
- ⑨ THPL PAVT MK LINE 12", SOLID WHITE LINE
- ⑩ THPL PAVT MK LINE 12", SOLID WHITE CHEVRONS, 45° (5 MINIMUM)
- ⑪ THPL PAVT MK LINE 24", SOLID WHITE STOP BAR
- ⑫ THPL PAVT MK, LETTERS AND SYMBOLS
- ⑬ THPL PAVT MK LINE 12", SOLID WHITE DIAGONAL, 45°

USER NAME = Josephm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN</b>		F.A.U. RTE. 3545/143	SECTION 561RS-4	COUNTY COOK	TOTAL SHEETS 27	SHEET NO. 11	
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -		<b>IL ROUTE 56 / BUTTERFIELD ROAD &amp; WASHINGTON BLVD</b>				CONTRACT NO. 62F68			
PLOT DATE = 2/2/2018	CHECKED -	REVISED -		SCALE: 1"=50'		SHEET	OF	SHEETS	STA. 98+00	TO STA. 116+05	ILLINOIS FED. AID PROJECT
	DATE -	REVISED -									

**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	74	FOOT

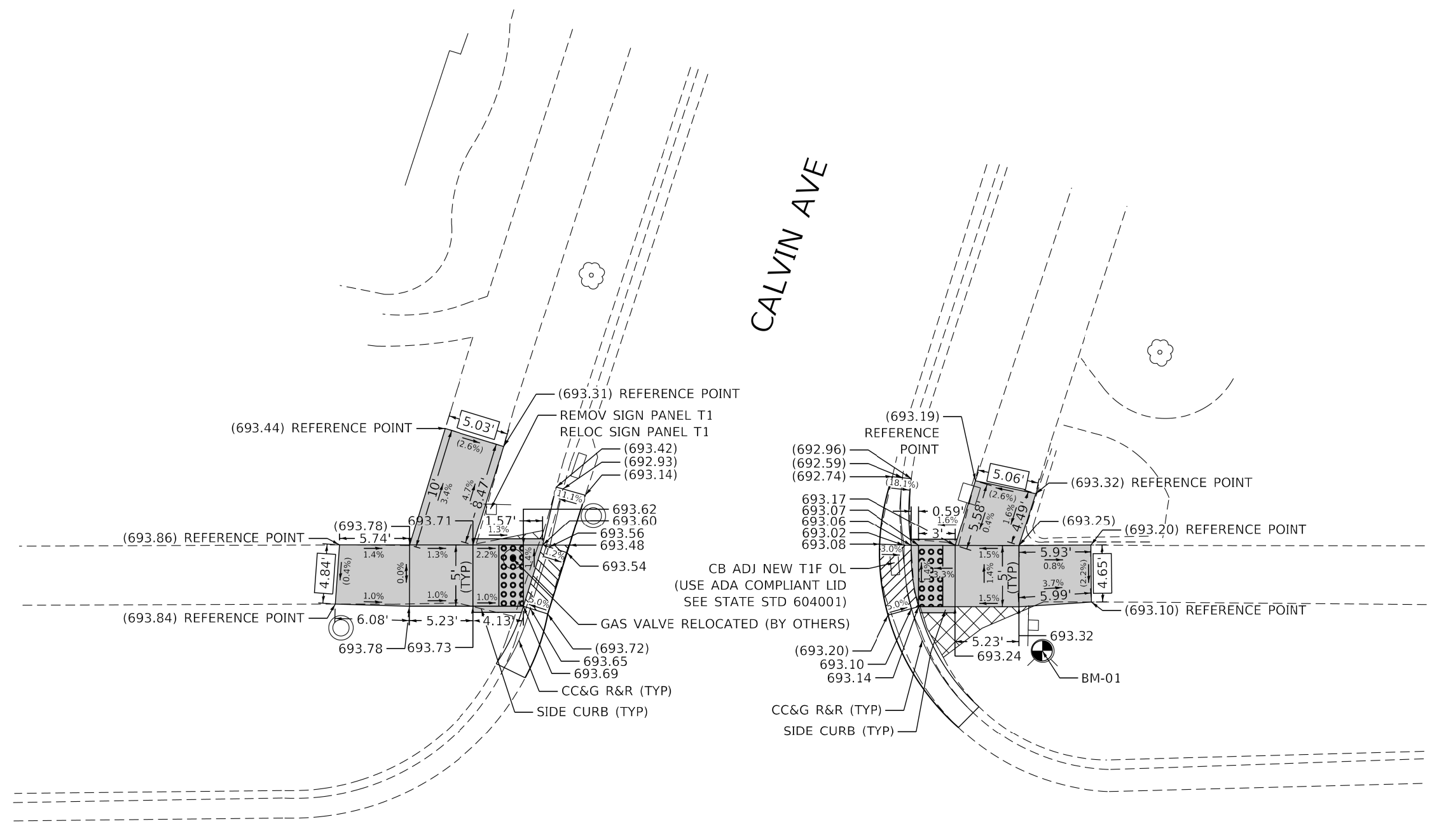
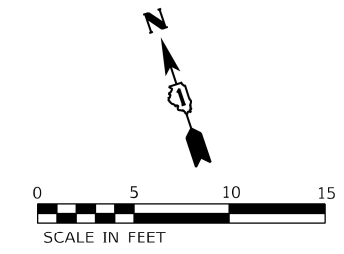
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TS1020 - IL RTE 56-WASHINGTON BLVD AT	MANNHEIM RD_10022017.dgn	DRAWN - BAS	REVISED -		3945/1413	561RS-4	COOK	27	12				
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	PLOT DATE = 10/2/2017	DATE - 10/02/2017	REVISED -										











IL 56 (BUTTERFIELD RD)

NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK 01 EL 694.85  
BENCHMARK : FH NE BOLT  
LOCATION : NE COR IL 56 (BUTTERFIELD RD) AND CALVIN AVE

**LEGEND**

- PC CONC SIDEWALK 5 SUB GRAN MAT B 4
- DEPRESSED CURB & GUTTER
- EXISTING LENGTH
- DETECTABLE WARNINGS
- EXISTING ELEVATION / SLOPE
- SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD

REFERENCE BENCHMARK 01 EL 694.85  
BENCHMARK : FH NE BOLT  
LOCATION : NE COR IL 56 (BUTTERFIELD RD) AND CALVIN AVE

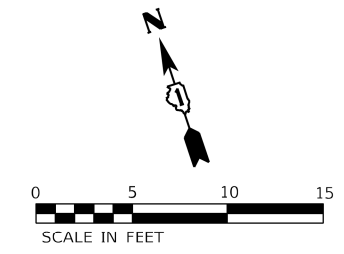
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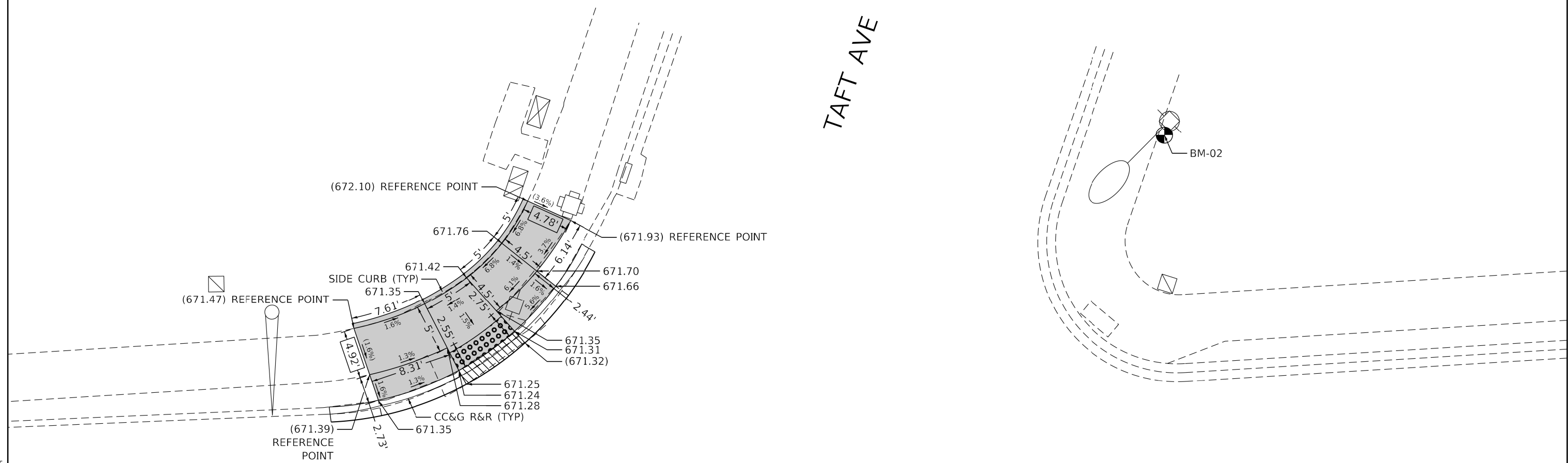
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ADA RAMP DETAILS</b>			
<b>IL 56 (BUTTERFIELD RD) AT CALVIN AVE</b>			
SCALE: 1" = 5'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	561RS-4	COOK	27	16
CONTRACT NO. 62F68				
ILLINOIS FED. AID PROJECT				



TAFT AVE



### IL 56 (BUTTERFIELD RD)

NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK 02 EL 673.72  
BENCHMARK : PP S FACE 60D NAIL  
LOCATION : NE COR IL 56 (BUTTERFIELD RD) AND TAFT AVE

#### LEGEND

- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION / SLOPE
- PC CONC SIDEWALK 5 SUB GRAN MAT B 4
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD

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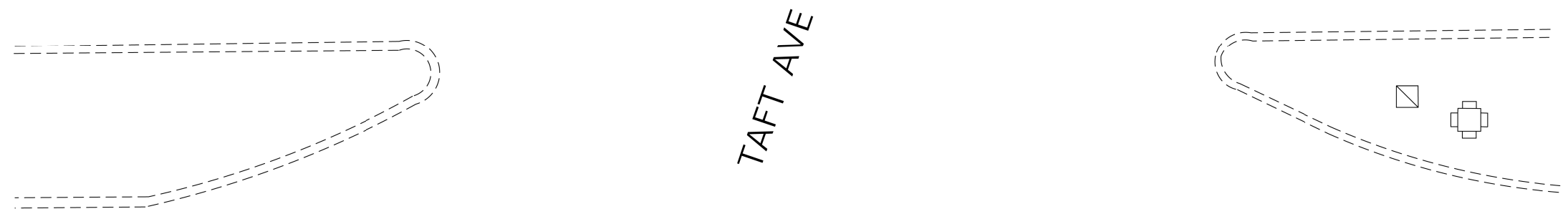
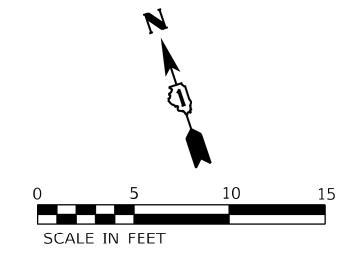
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PLOT DATE = 3/1/2018	DATE - 03/01/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS  
IL 56 (BUTTERFIELD RD) AT TAFT AVE**

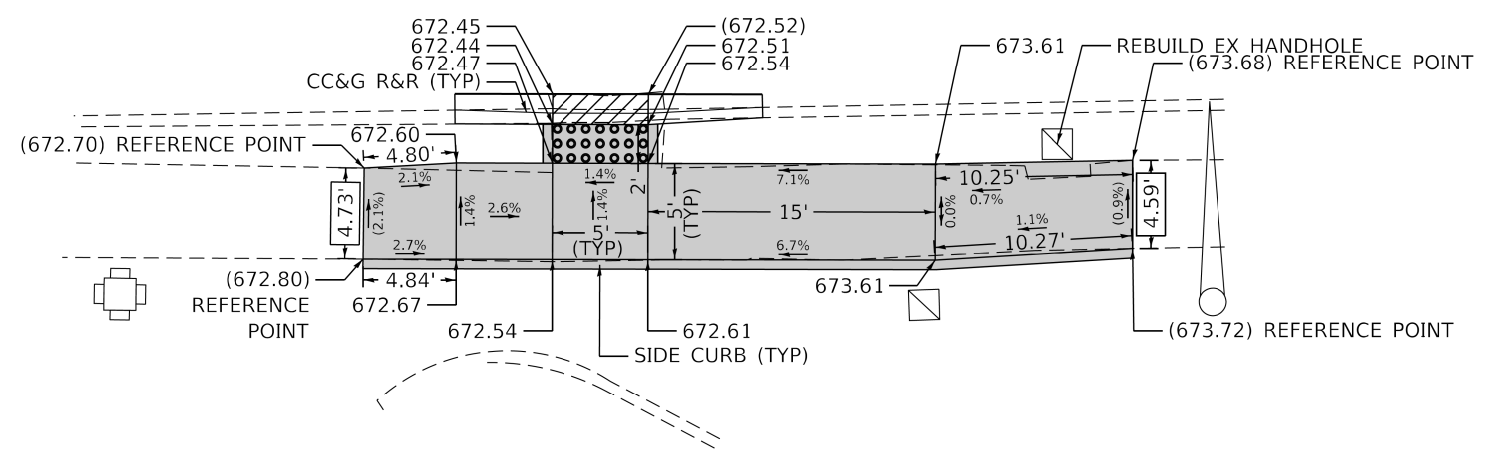
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	561RS-4	COOK	27	16A
CONTRACT NO. 62F68				
ILLINOIS FED. AID PROJECT				



IL 56 (BUTTERFIELD RD)

TAFT AVE



NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK 02 EL 673.72  
BENCHMARK : PP S FACE 60D NAIL  
LOCATION : NE COR IL 56 (BUTTERFIELD RD) AND TAFT AVE

**LEGEND**

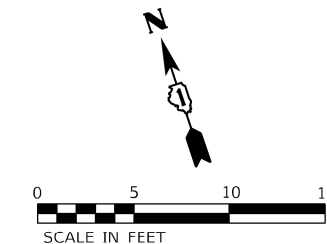
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( ) EXISTING ELEVATION / SLOPE

- PC CONC SIDEWALK 5 SUB GRAN MAT B 4
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD

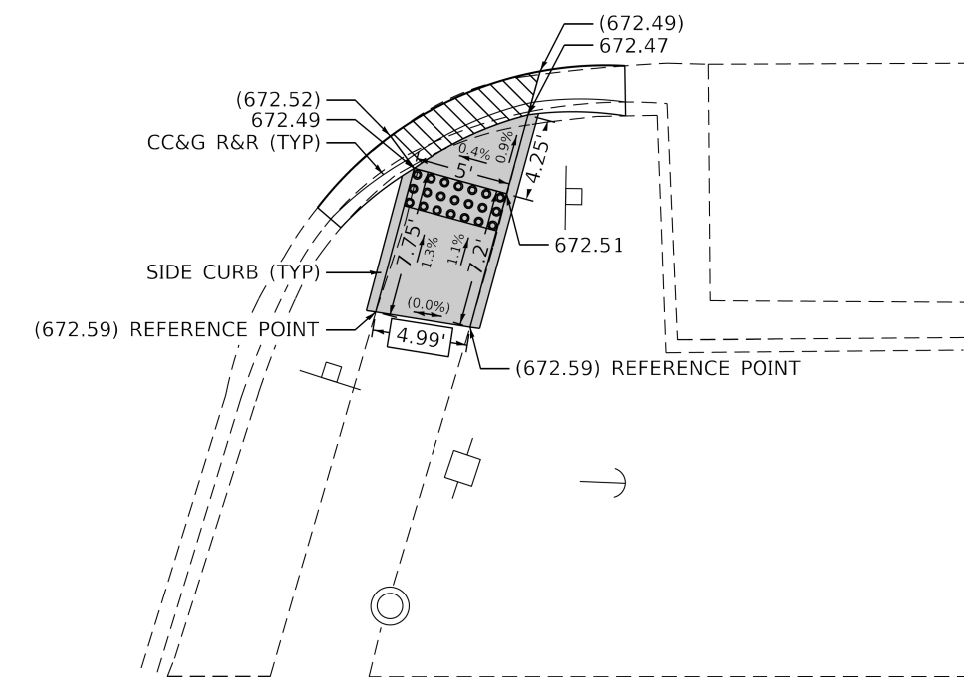
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	PLOT DATE = 3/1/2018	DATE - 03/01/2018	REVISED -		ILLINOIS FED. AID PROJECT							

# IL 56 (BUTTERFIELD RD)



HILLSIDE AVE



NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

## LEGEND

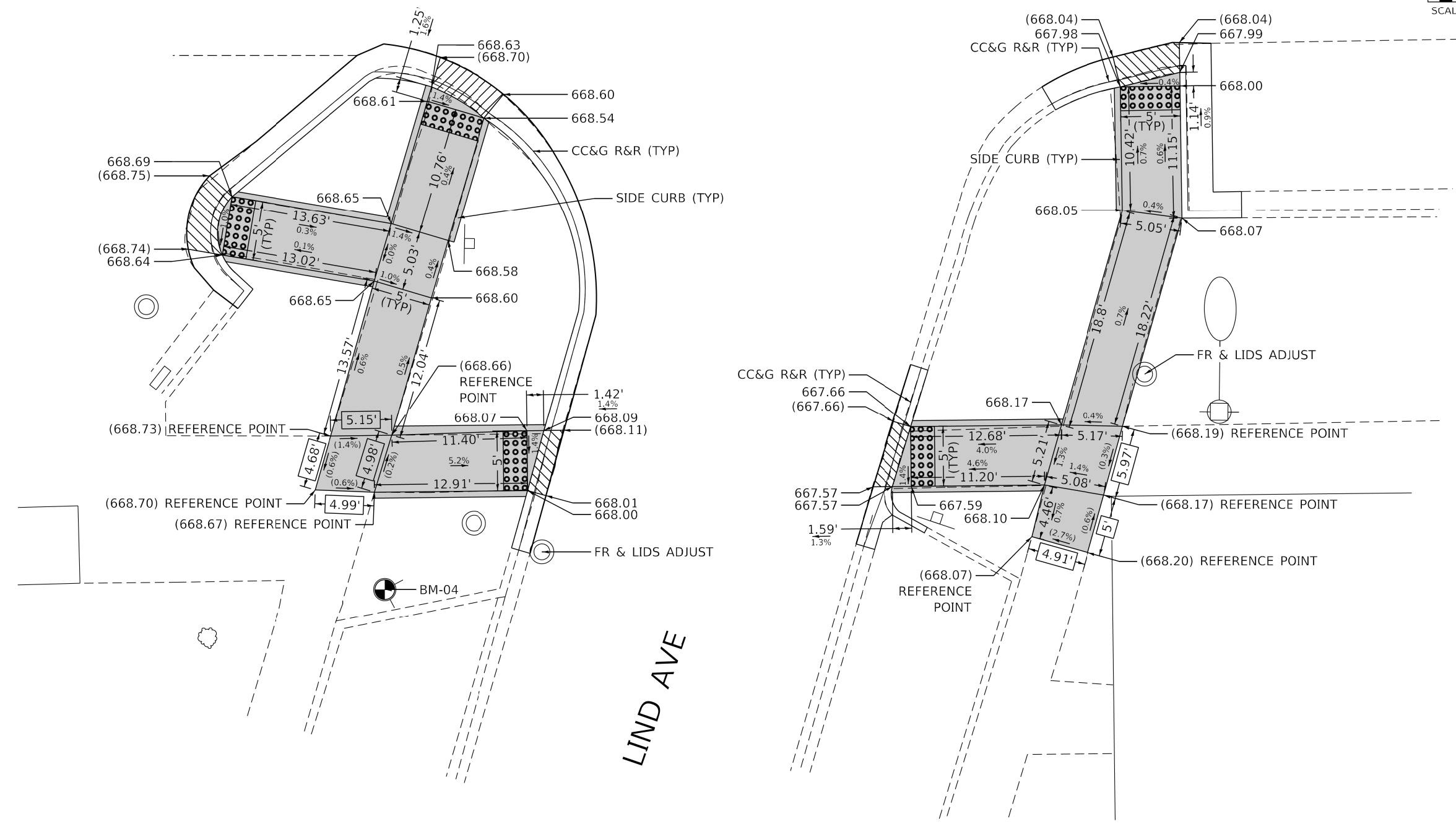
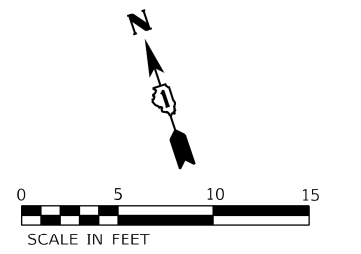
- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION / SLOPE
- PC CONC SIDEWALK 5 SUB GRAN MAT B 4
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD
- DEPRESSED CURB & GUTTER

REFERENCE BENCHMARK 03 EL 674.99  
BENCHMARK : FH SW BOLT  
LOCATION : SW COR OF IL 56 (BUTTERFIELD RD) AND HILLSIDE AVE

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# IL 56 (BUTTERFIELD RD)



REFERENCE BENCHMARK 04 EL 670.38  
BENCHMARK : FH SW BOLT  
LOCATION : SW COR IL 56 (BUTTERFIELD RD) AND LIND AVE

**LEGEND**

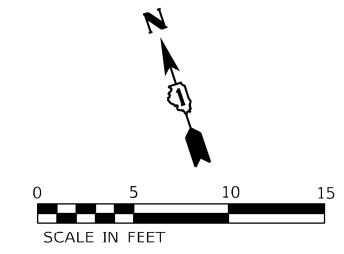
PC CONC SIDEWALK 5 SUB GRAN MAT B 4	DEPRESSED CURB & GUTTER
EXISTING LENGTH	DETECTABLE WARNINGS
EXISTING ELEVATION / SLOPE	SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD

REFERENCE BENCHMARK 04 EL 670.38  
BENCHMARK : FH SW BOLT  
LOCATION : SW COR IL 56 (BUTTERFIELD RD) AND LIND AVE

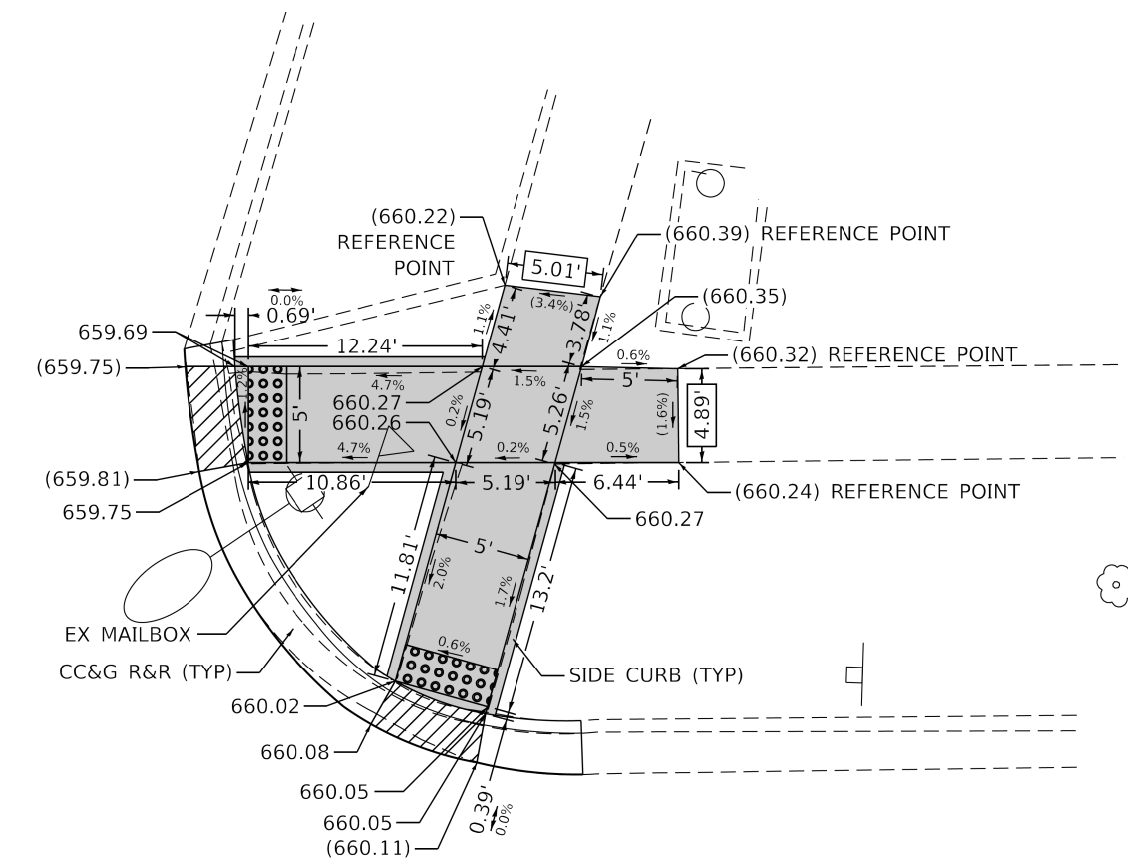
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	DRAWN - RG / AN / MS	REVISED -																												
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PLOT DATE = 3/1/2018	DATE - 03/01/2018	REVISED -																												
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																										
3545	561RS-4	COOK	27	16D																										
CONTRACT NO. 62F68																														
Default	SCALE: 1" = 5'	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT																										





LAVERNE AVE



IL 56 (BUTTERFIELD RD)

NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

**LEGEND**

[XX.X'] EXISTING LENGTH  
( ) EXISTING ELEVATION / SLOPE

- [Solid Grey Box] PC CONC SIDEWALK 5 SUB GRAN MAT B 4
- [Hatched Box] DEPRESSED CURB & GUTTER
- [Dotted Box] DETECTABLE WARNINGS
- [Cross-hatched Box] SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD

REFERENCE BENCHMARK 05 EL 663.82  
BENCHMARK : FH SW BOLT  
LOCATION : SW COR IL 56 (BUTTERFIELD RD) AND LAVERNE AVE

FILE NAME = Z:\172022\12 IDOT D1 WD12 Butterfield ADA\DDN\Design\Prelim\Plotsheets\162F68-ahr-detail16.dgn

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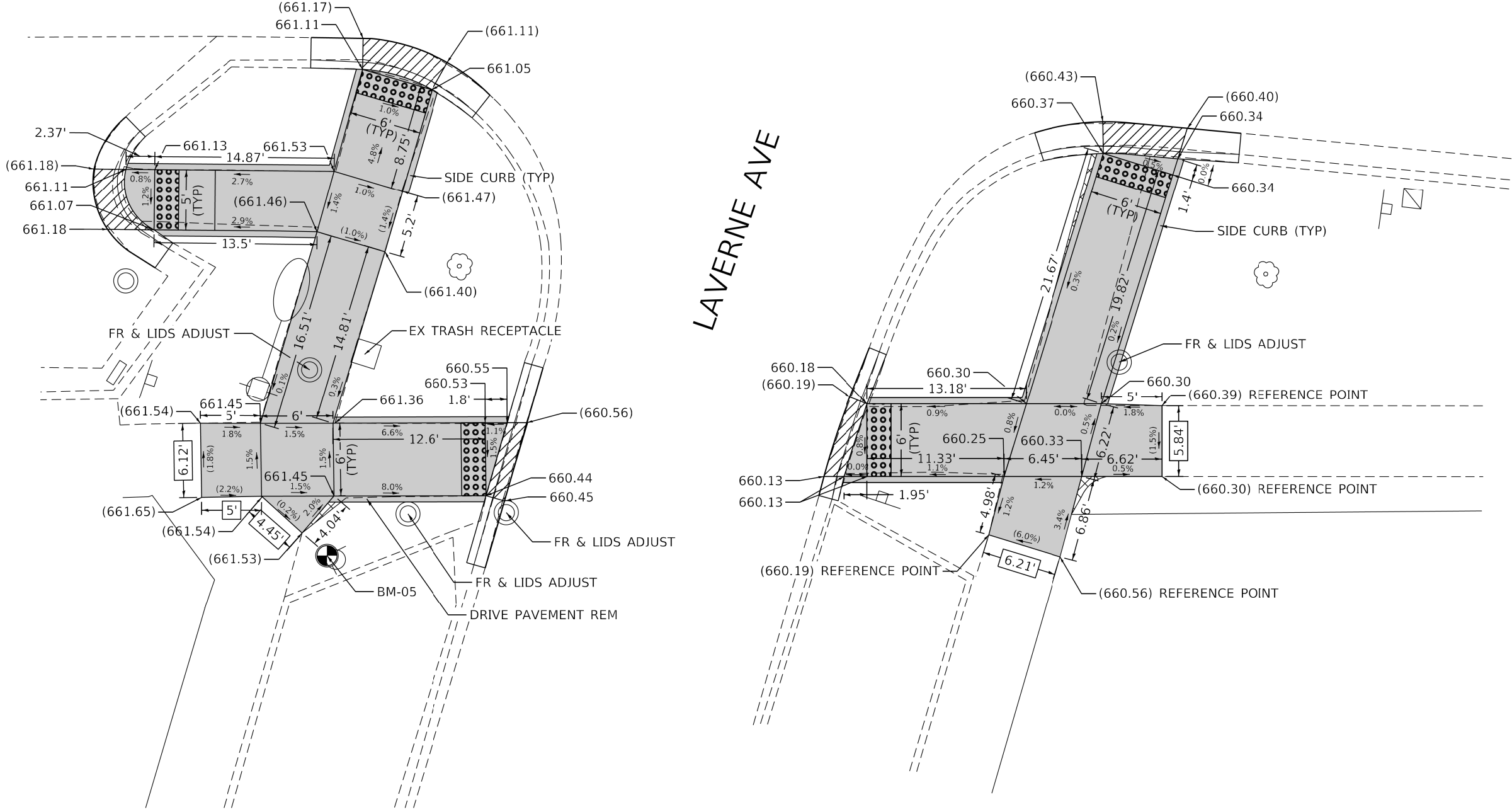
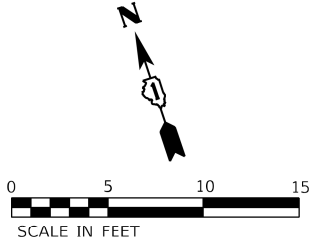
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
IL 56 (BUTTERFIELD RD) AT LAVERNE AVE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	561RS-4	COOK	27	16E
CONTRACT NO. 62F68				
ILLINOIS FED. AID PROJECT				

IL 56 (BUTTERFIELD RD)



NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

**LEGEND**

- PC CONC SIDEWALK 5 SUB GRAN MAT B 4
- DEPRESSED CURB & GUTTER
- EXISTING LENGTH
- DETECTABLE WARNINGS
- EXISTING ELEVATION / SLOPE
- SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD

REFERENCE BENCHMARK 05 EL 663.82  
BENCHMARK : FH SW BOLT  
LOCATION : SW COR IL 56 (BUTTERFIELD RD) AND LAVERNE AVE

REFERENCE BENCHMARK 05 EL 663.82  
BENCHMARK : FH SW BOLT  
LOCATION : SW COR IL 56 (BUTTERFIELD RD) AND LAVERNE AVE

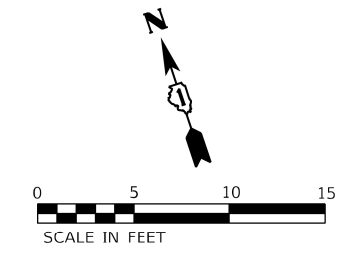
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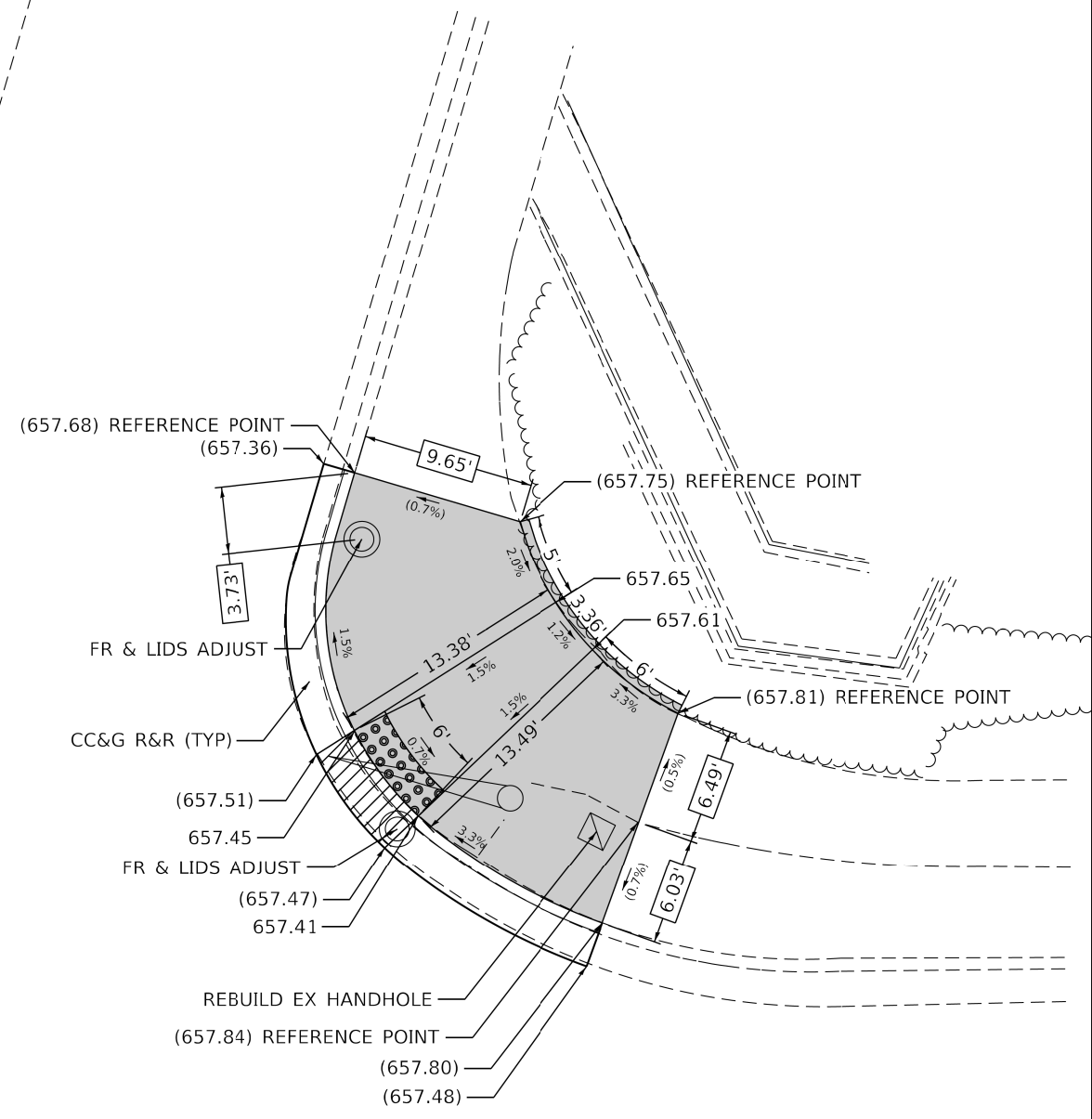
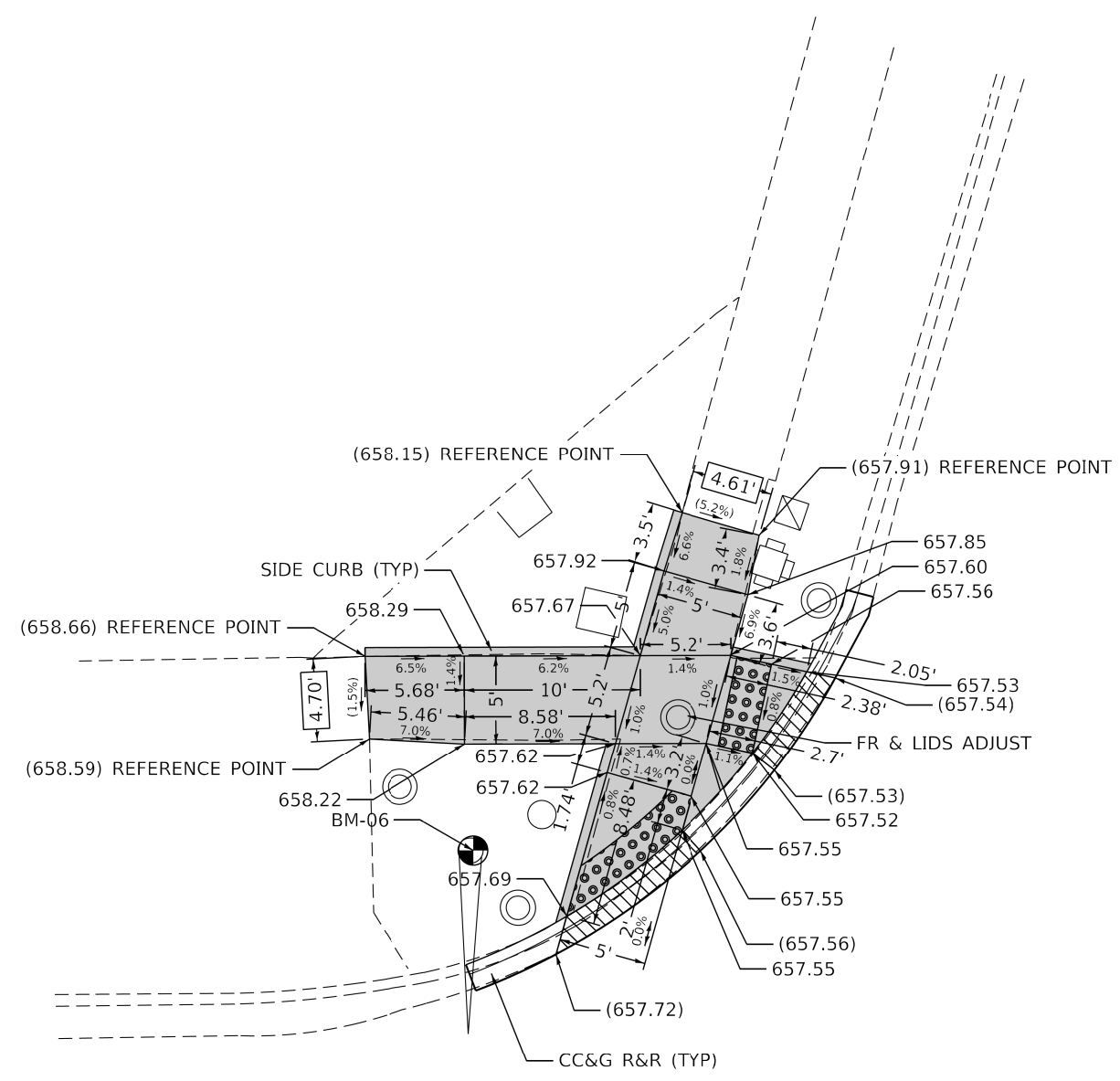
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS			
IL 56 (BUTTERFIELD RD) AT LAVERNE AVE			
SCALE: 1" = 5'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	561RS-4	COOK	27	16F
CONTRACT NO. 62F68				
ILLINOIS FED. AID PROJECT				



WOLF RD



IL 56 (BUTTERFIELD RD)

NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK 06 EL 658.52  
BENCHMARK : TS MAST ARM S BASE CC  
LOCATION : NW COR IL 56 (BUTTERFIELD RD) AND WOLF RD

**LEGEND**

- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION / SLOPE
- PC CONC SIDEWALK 5 SUB GRAN MAT B 4
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD

REFERENCE BENCHMARK 06 EL 658.52  
BENCHMARK : TS MAST ARM S BASE CC  
LOCATION : NW COR IL 56 (BUTTERFIELD RD) AND WOLF RD

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
IL 56 (BUTTERFIELD RD) AT WOLF RD

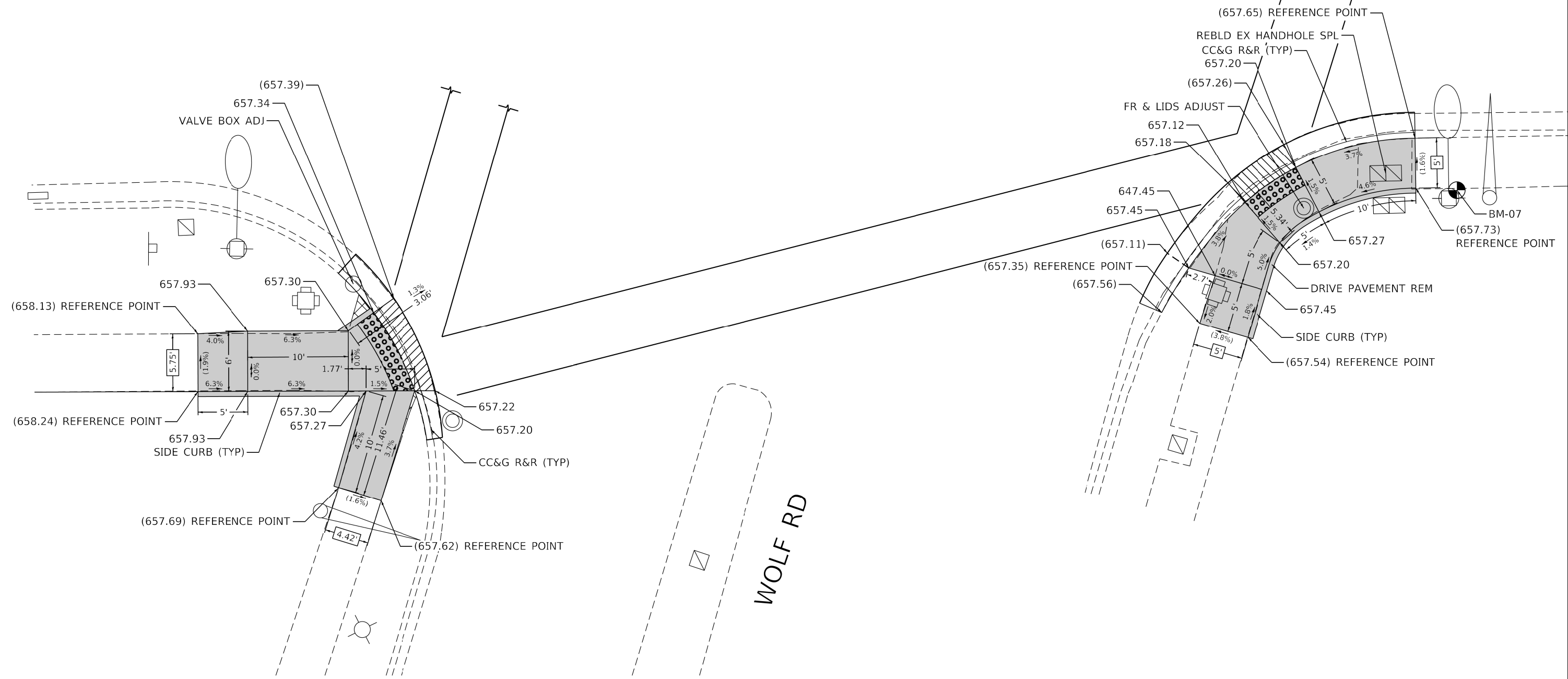
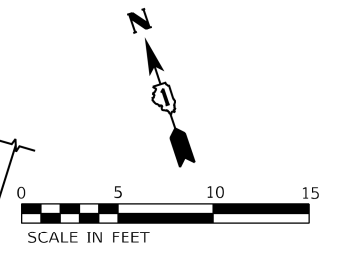
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	56IRS-4	COOK	27	16G
CONTRACT NO. 62F68				
ILLINOIS FED. AID PROJECT				

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	DATE - 03/01/2018	REVISED -

SCALE: 1" = 5'	SHEET	OF	SHEETS	STA.	TO	STA.
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# IL 56 (BUTTERFIELD RD)



NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK 07 EL 658.06  
BENCHMARK : PP N FACE 60D NAIL  
LOCATION : SE COR IL 56 (BUTTERFIELD RD) AND WOLF RD

### LEGEND

- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION / SLOPE
- PC CONC SIDEWALK 5 SUB GRAN MAT B 4
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD

REFERENCE BENCHMARK 07 EL 658.06  
BENCHMARK : PP N FACE 60D NAIL  
LOCATION : SE COR IL 56 (BUTTERFIELD RD) AND WOLF RD

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
IL 56 (BUTTERFIELD RD) AT WOLF RD

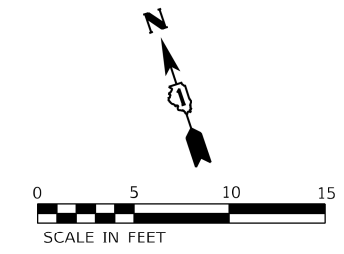
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	56IRS-4	COOK	27	16H
CONTRACT NO. 62F68				
ILLINOIS FED. AID PROJECT				

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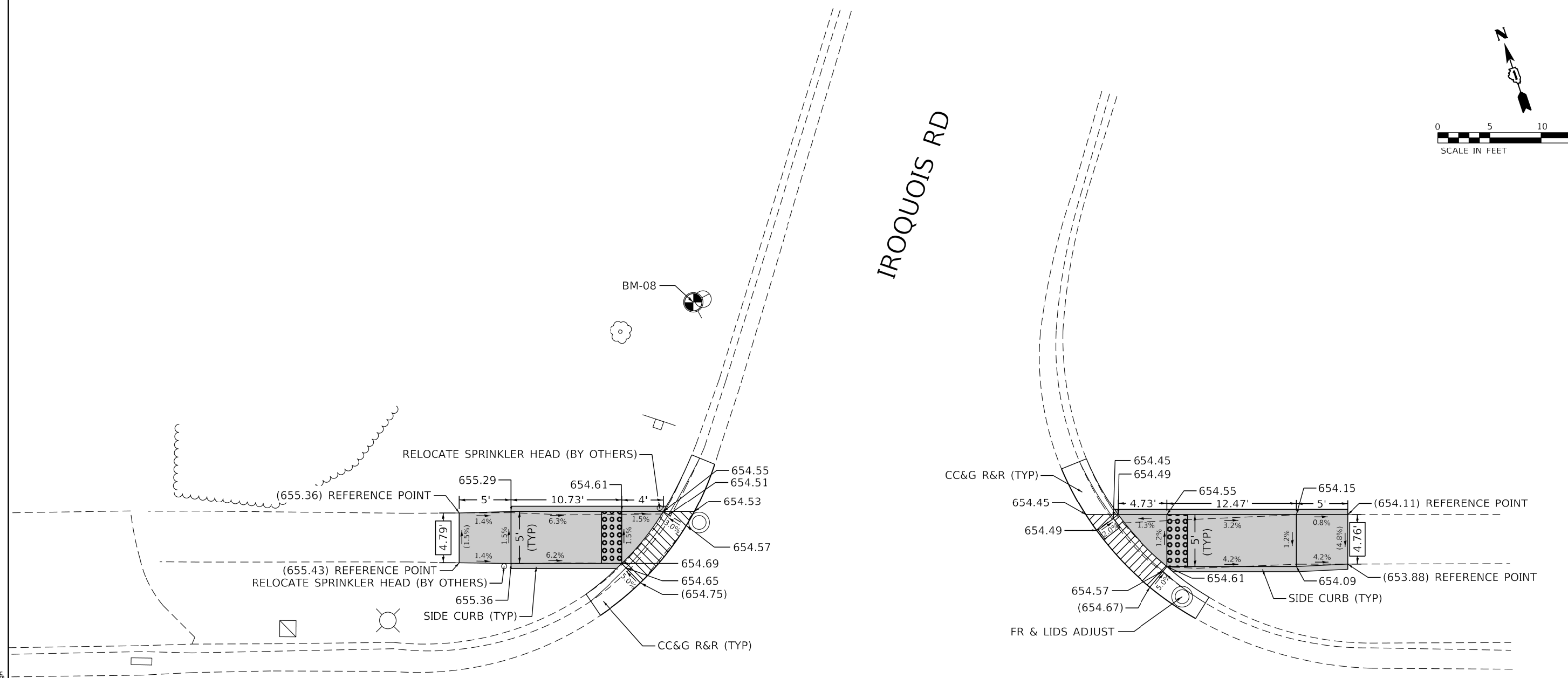
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PLOT DATE = 3/1/2018	DATE - 03/01/2018	REVISED -

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



IROQUOIS RD



IL 56 (BUTTERFIELD RD)

NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK 08 EL 656.50  
BENCHMARK : FH NW BOLT  
LOCATION : NW COR IL 56 (BUTTERFIELD RD) AND IROQUOIS RD

**LEGEND**

- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION / SLOPE
- PC CONC SIDEWALK 5 SUB GRAN MAT B 4
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD
- DEPRESSED CURB & GUTTER

REFERENCE BENCHMARK 08 EL 656.50  
BENCHMARK : FH NW BOLT  
LOCATION : NW COR IL 56 (BUTTERFIELD RD) AND IROQUOIS RD

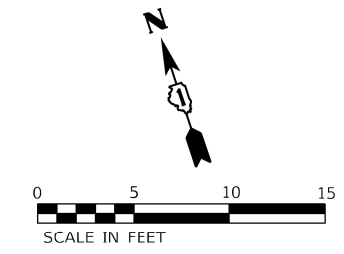
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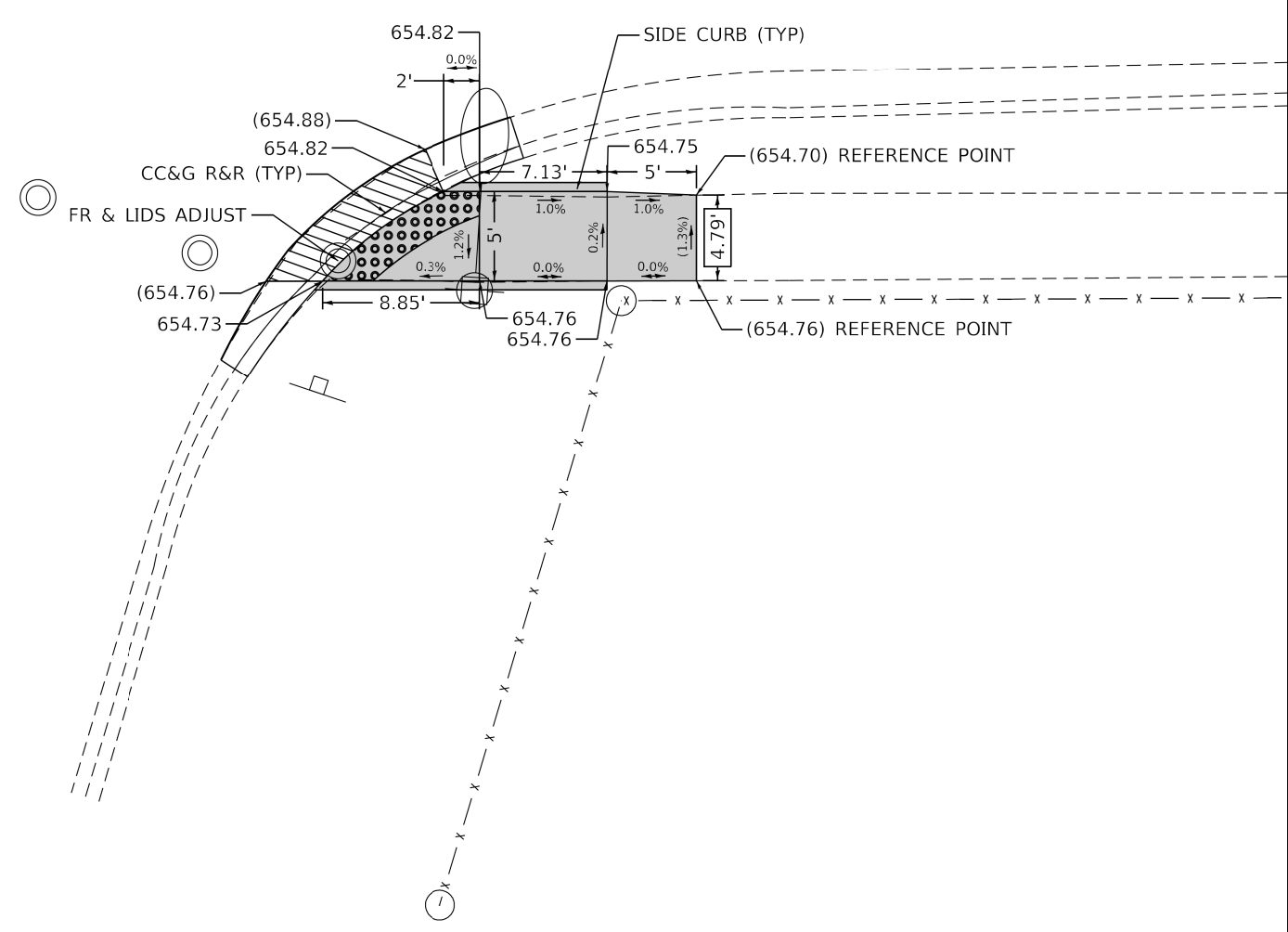
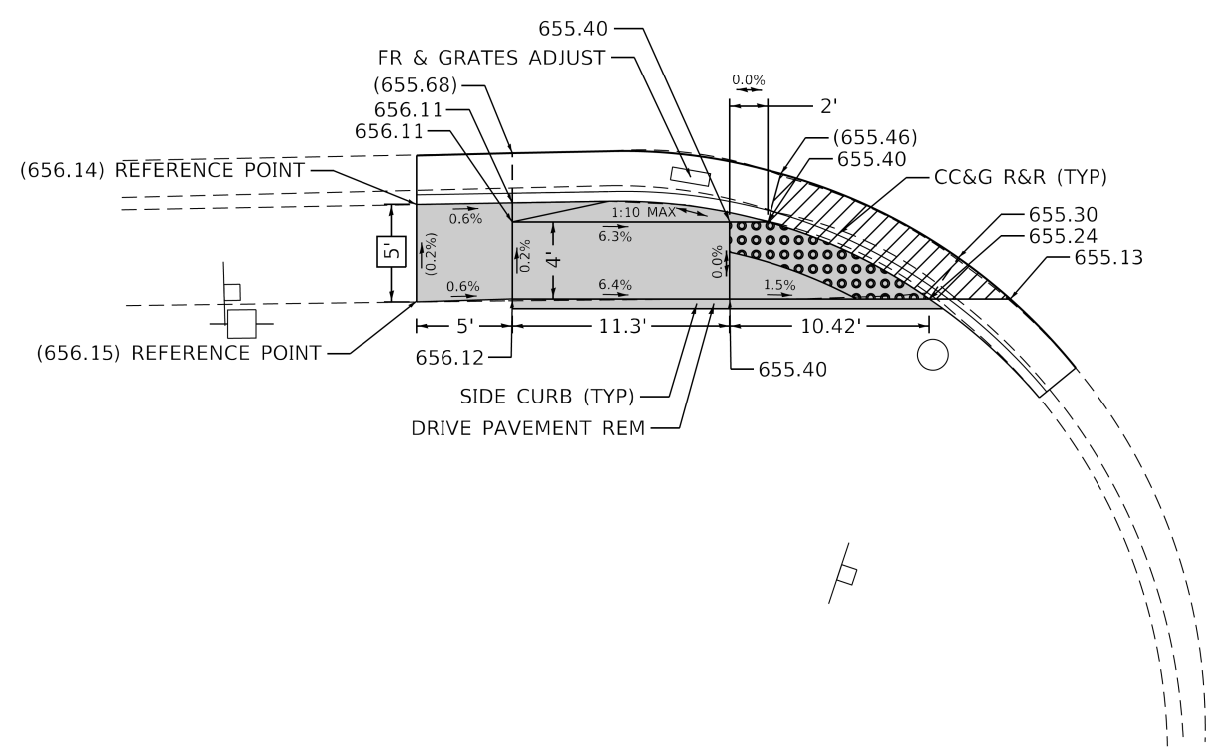
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

ADA RAMP DETAILS			
IL 56 (BUTTERFIELD RD) AT IROQUOIS RD			
SCALE: 1" = 5'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	56IRS-4	COOK	27	161
CONTRACT NO. 62F68				
ILLINOIS FED. AID PROJECT				



# IL 56 (BUTTERFIELD RD)



IROQUOIS RD

NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK 08 EL 656.50  
BENCHMARK : FH NW BOLT  
LOCATION : NW COR IL 56 (BUTTERFIELD RD) AND IROQUOIS RD

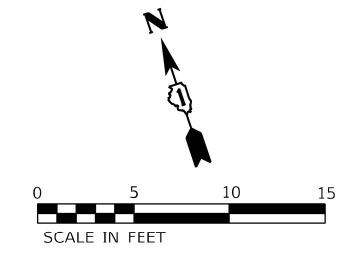
**LEGEND**

PC CONC SIDEWALK 5 SUB GRAN MAT B 4	DEPRESSED CURB & GUTTER
EXISTING LENGTH	DETECTABLE WARNINGS
EXISTING ELEVATION / SLOPE	SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD

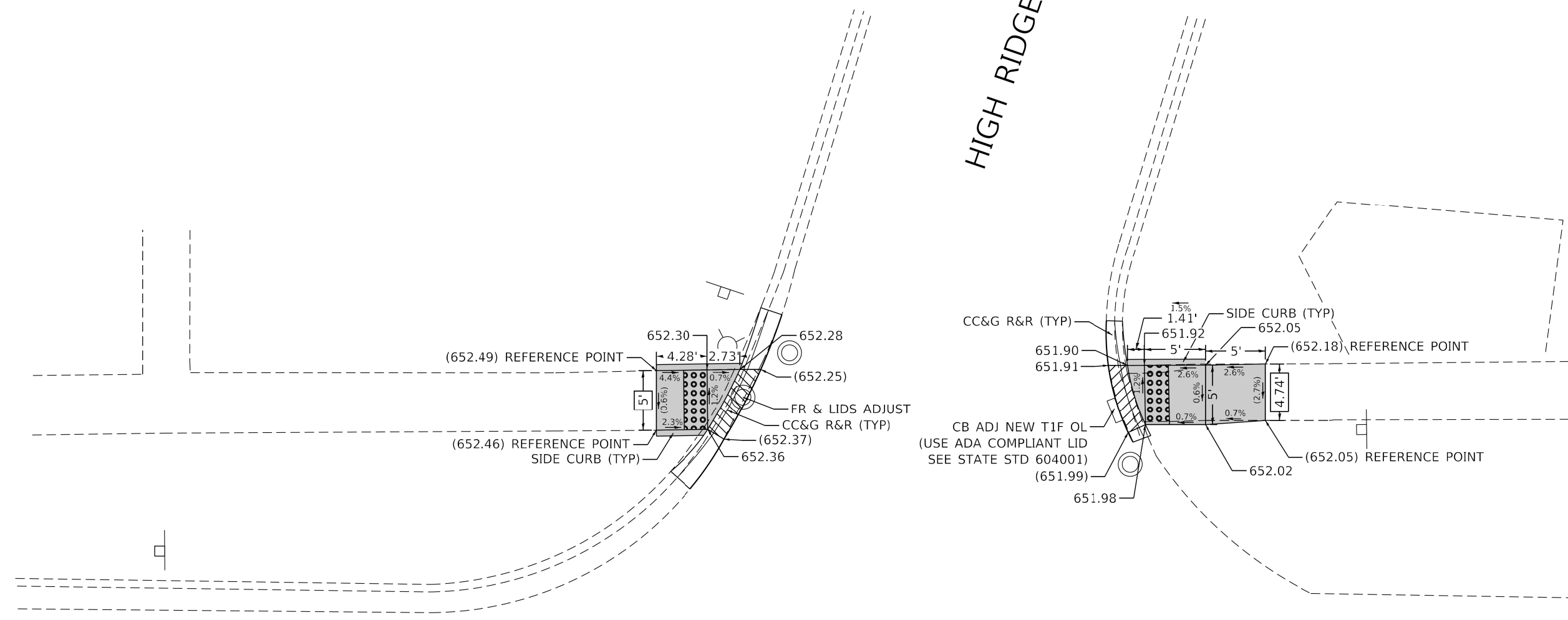
REFERENCE BENCHMARK 08 EL 656.50  
BENCHMARK : FH NW BOLT  
LOCATION : NW COR IL 56 (BUTTERFIELD RD) AND IROQUOIS RD

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	PLOT SCALE = 10.0000' / in.	CHECKED - JH	REVISED -		3545	561RS-4	COOK	27	161				
PLOT DATE = 3/1/2018	DATE - 03/01/2018	REVISED -	SCALE: 1" = 5'		SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 62F68		
					ILLINOIS FED. AID PROJECT								



HIGH RIDGE RD



IL 56 (BUTTERFIELD RD)

NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK 09 EL 655.11  
BENCHMARK : FH NE BOLT  
LOCATION : SW COR IL 56 (BUTTERFIELD RD) AND HIGH RIDGE RD

**LEGEND**

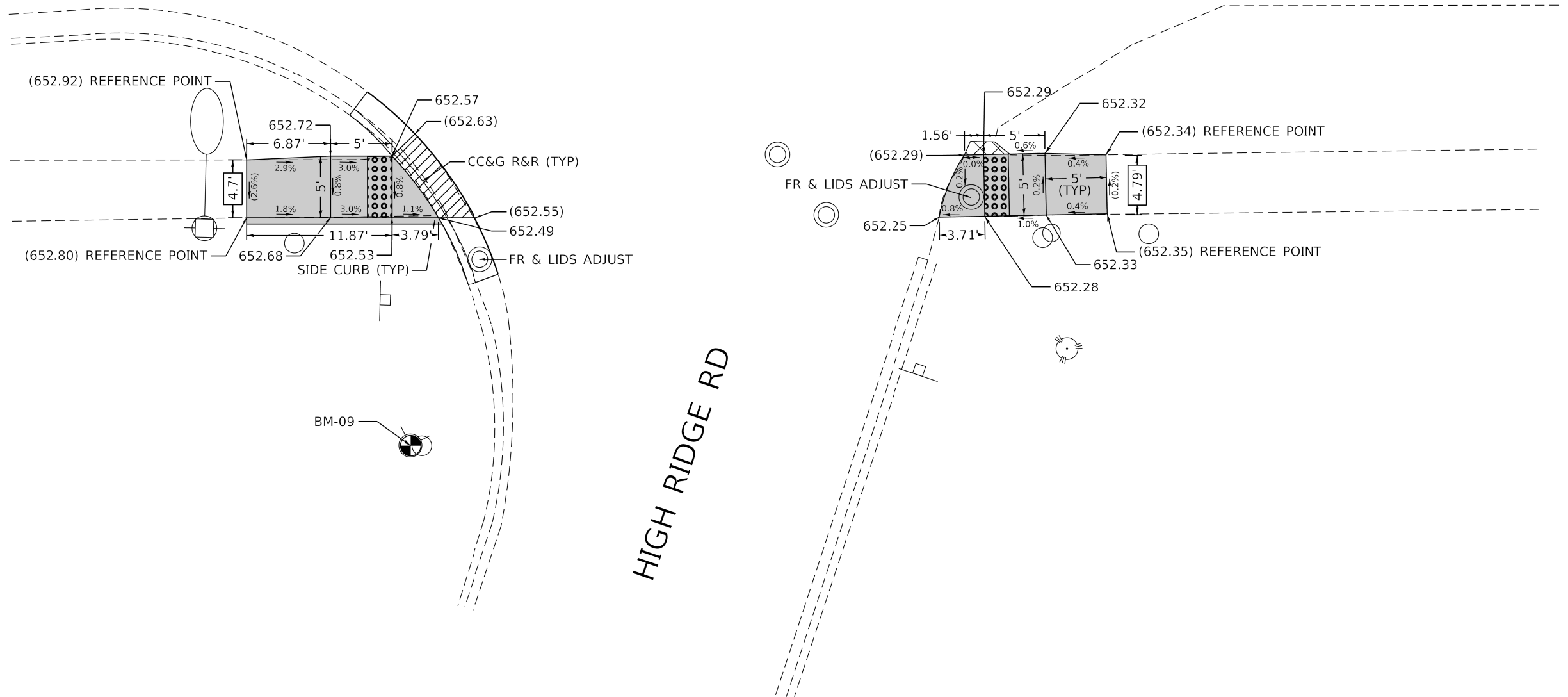
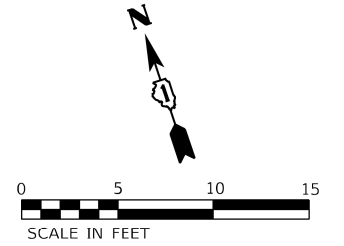
- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION / SLOPE
- PC CONC SIDEWALK 5 SUB GRAN MAT B 4
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD
- DEPRESSED CURB & GUTTER

REFERENCE BENCHMARK 09 EL 655.11  
BENCHMARK : FH NE BOLT  
LOCATION : SW COR IL 56 (BUTTERFIELD RD) AND HIGH RIDGE RD

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SCALE: 1" = 5'    SHEET OF SHEETS    STA. TO STA.					CONTRACT NO. 62F68 ILLINOIS FED. AID PROJECT				

# IL 56 (BUTTERFIELD RD)



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REFERENCE BENCHMARK 09 EL 655.11  
 BENCHMARK : FH NE BOLT  
 LOCATION : SW COR IL 56 (BUTTERFIELD RD) AND HIGH RIDGE RD

## LEGEND

XX.X' EXISTING LENGTH  
 ( ) EXISTING ELEVATION / SLOPE

- PC CONC SIDEWALK 5 SUB GRAN MAT B 4
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD

REFERENCE BENCHMARK 09 EL 655.11  
 BENCHMARK : FH NE BOLT  
 LOCATION : SW COR IL 56 (BUTTERFIELD RD) AND HIGH RIDGE RD

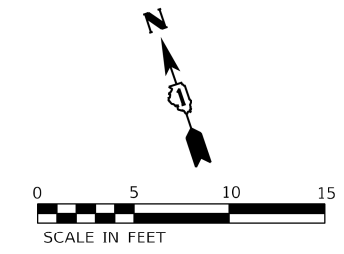
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PLOT DATE = 3/1/2018	DATE - 03/01/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

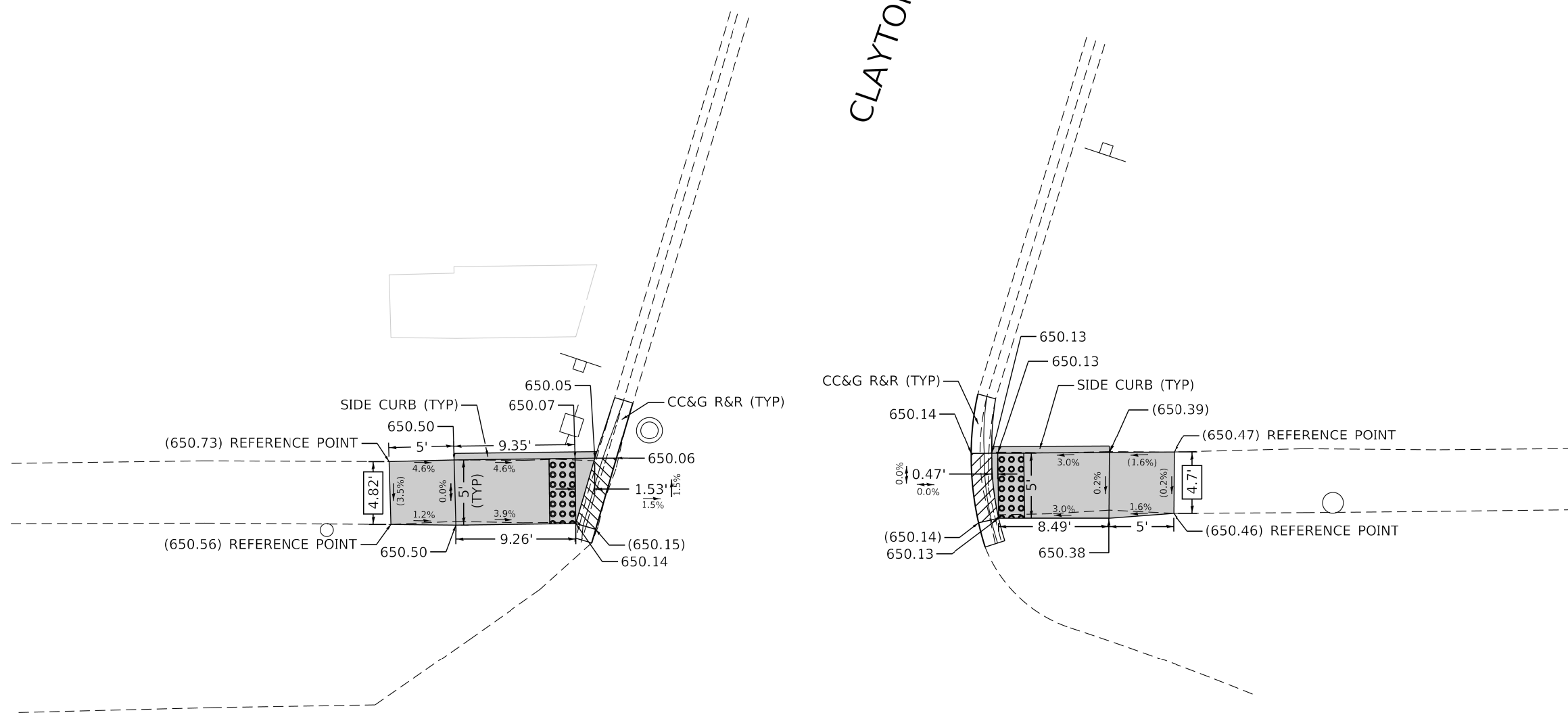
<b>ADA RAMP DETAILS</b>			
<b>IL 56 (BUTTERFIELD RD) AT HIGH RIDGE RD</b>			
SCALE: 1" = 5'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	561RS-4	COOK	27	16L
CONTRACT NO. 62F68				
ILLINOIS FED. AID PROJECT				





CLAYTON AVE



IL 56 (BUTTERFIELD RD)

NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK 10 EL 652.18  
BENCHMARK : FH NE BOLT  
LOCATION : SW COR IL 56 (BUTTERFIELD RD) AND CLAYTON AVE

**LEGEND**

[XX.X'] EXISTING LENGTH  
( ) EXISTING ELEVATION / SLOPE

- [Solid Grey Box] PC CONC SIDEWALK 5 SUB GRAN MAT B 4
- [Hatched Box] DEPRESSED CURB & GUTTER
- [Dotted Box] DETECTABLE WARNINGS
- [Cross-hatched Box] SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD

REFERENCE BENCHMARK 10 EL 652.18  
BENCHMARK : FH NE BOLT  
LOCATION : SW COR IL 56 (BUTTERFIELD RD) AND CLAYTON AVE

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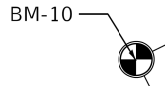
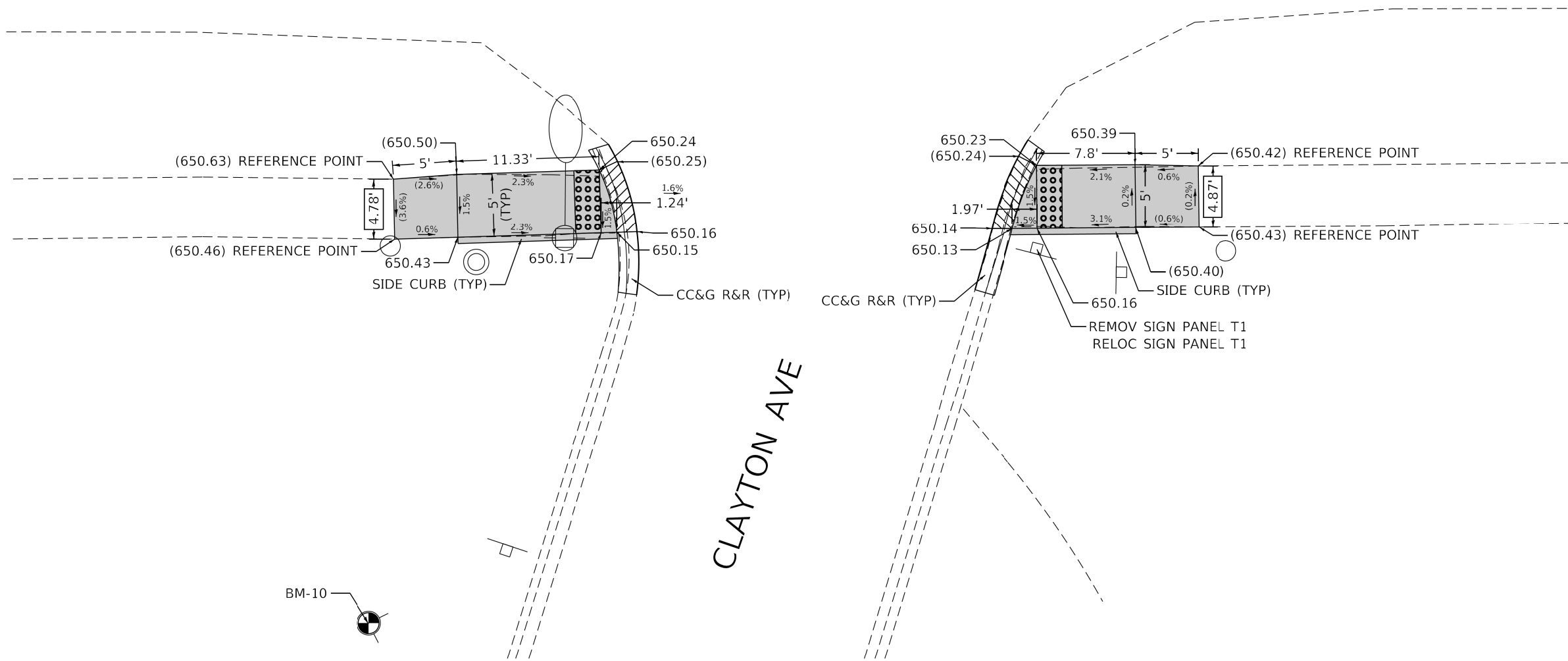
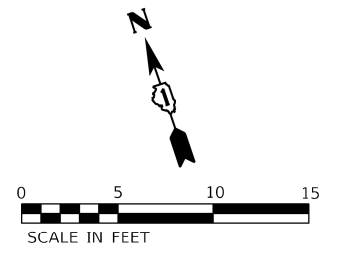
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS	
IL 56 (BUTTERFIELD RD) AT CLAYTON AVE	
SCALE: 1" = 5'	SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	56IRS-4	COOK	27	16M
CONTRACT NO. 62F68				
ILLINOIS FED. AID PROJECT				

# IL 56 (BUTTERFIELD RD)



FILE NAME = Z:\1700212 IDOT 01 W012 Butterfield ADA\ADON\Design\Drawings\Plotsheets\162F68-ah-t-detail1aRamp-15.dgn

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 BENCHMARK : FH NE BOLT  
 LOCATION : SW COR IL 56 (BUTTERFIELD RD) AND CLAYTON AVE

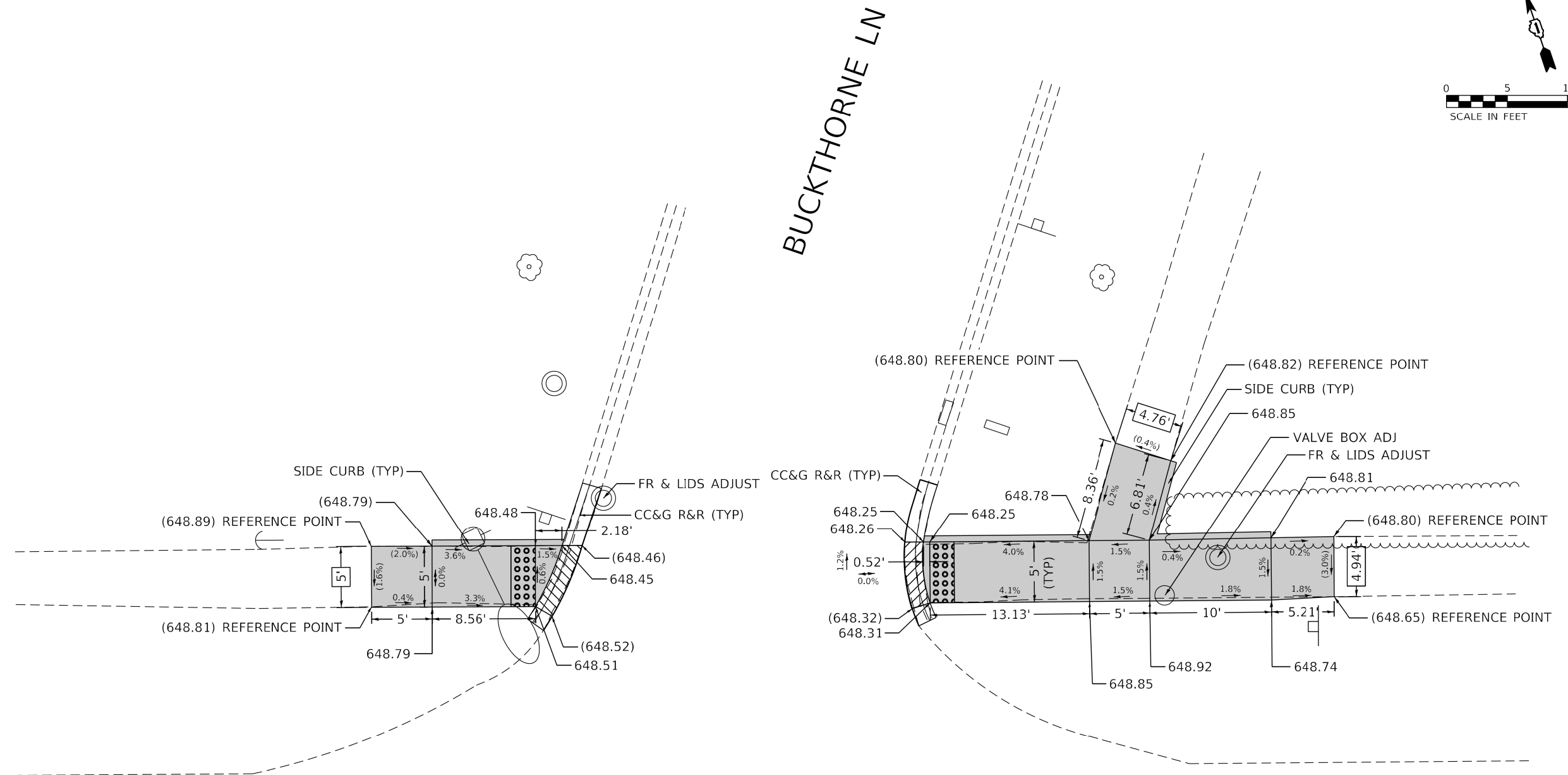
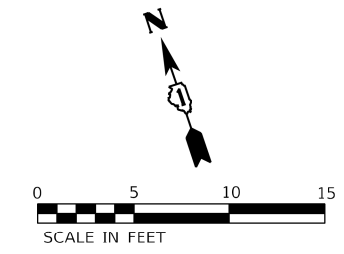
## LEGEND

**XX.X'** EXISTING LENGTH  
 ( ) EXISTING ELEVATION / SLOPE

- PC CONC SIDEWALK 5 SUB GRAN MAT B 4
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD

REFERENCE BENCHMARK 10 EL 652.18  
 BENCHMARK : FH NE BOLT  
 LOCATION : SW COR IL 56 (BUTTERFIELD RD) AND CLAYTON AVE

Default	USER NAME = mslick	DESIGNED - RG / AN / MS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ADA RAMP DETAILS IL 56 (BUTTERFIELD RD) AT CLAYTON AVE</b>	F.A.U. RTE. 3545	SECTION 561RS-4	COUNTY COOK	TOTAL SHEETS 27	SHEET NO. 16N
	PLOT SCALE = 10.0004" / in.	CHECKED - JH	REVISED -			SCALE: 1" = 5'	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 62F68	
	PLOT DATE = 3/1/2018	DATE - 03/01/2018	REVISED -			ILLINOIS FED. AID PROJECT				



IL 56 (BUTTERFIELD RD)

FILE NAME = Z:\1700212 IDOT 01 WD12 Butterfield ADA\IGN\Design\Plan\Plotsheets\162F68-ah-t-detail1aRamp-16.dgn

REFERENCE BENCHMARK 11 EL 651.37  
 BENCHMARK : FH NE BOLT  
 LOCATION : SE COR IL 56 (BUTTERFIELD RD) AND BUCKTHORNE LN

**LEGEND**

XX.X' EXISTING LENGTH  
 ( ) EXISTING ELEVATION / SLOPE

- PC CONC SIDEWALK 5 SUB GRAN MAT B 4
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD

REFERENCE BENCHMARK 11 EL 651.37  
 BENCHMARK : FH NE BOLT  
 LOCATION : SE COR IL 56 (BUTTERFIELD RD) AND BUCKTHORNE LN

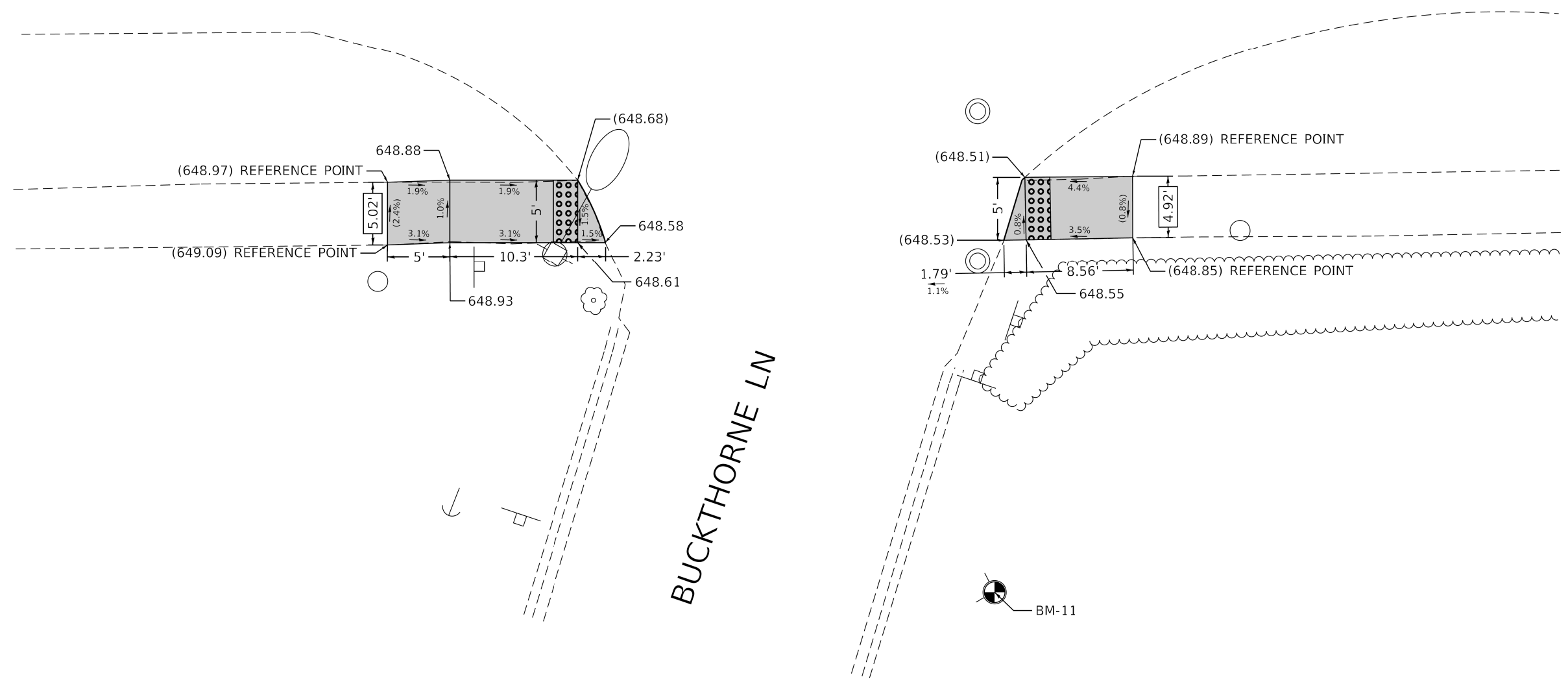
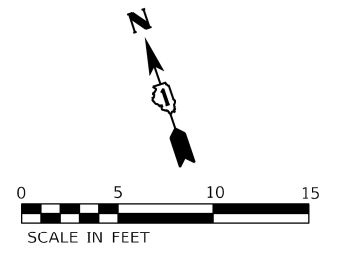
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PLOT DATE = 3/1/2018	DATE - 03/01/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>ADA RAMP DETAILS</b>			
<b>IL 56 (BUTTERFIELD RD) AT BUCKTHORNE LN</b>			
SCALE: 1" = 5'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	561RS-4	COOK	27	160
CONTRACT NO. 62F68				
ILLINOIS FED. AID PROJECT				

# IL 56 (BUTTERFIELD RD)



REFERENCE BENCHMARK 11 EL 651.37  
BENCHMARK : FH NE BOLT  
LOCATION : SE COR IL 56 (BUTTERFIELD RD) AND BUCKTHORNE LN

### LEGEND

- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION / SLOPE
- PC CONC SIDEWALK 5 SUB GRAN MAT B 4
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD
- DEPRESSED CURB & GUTTER

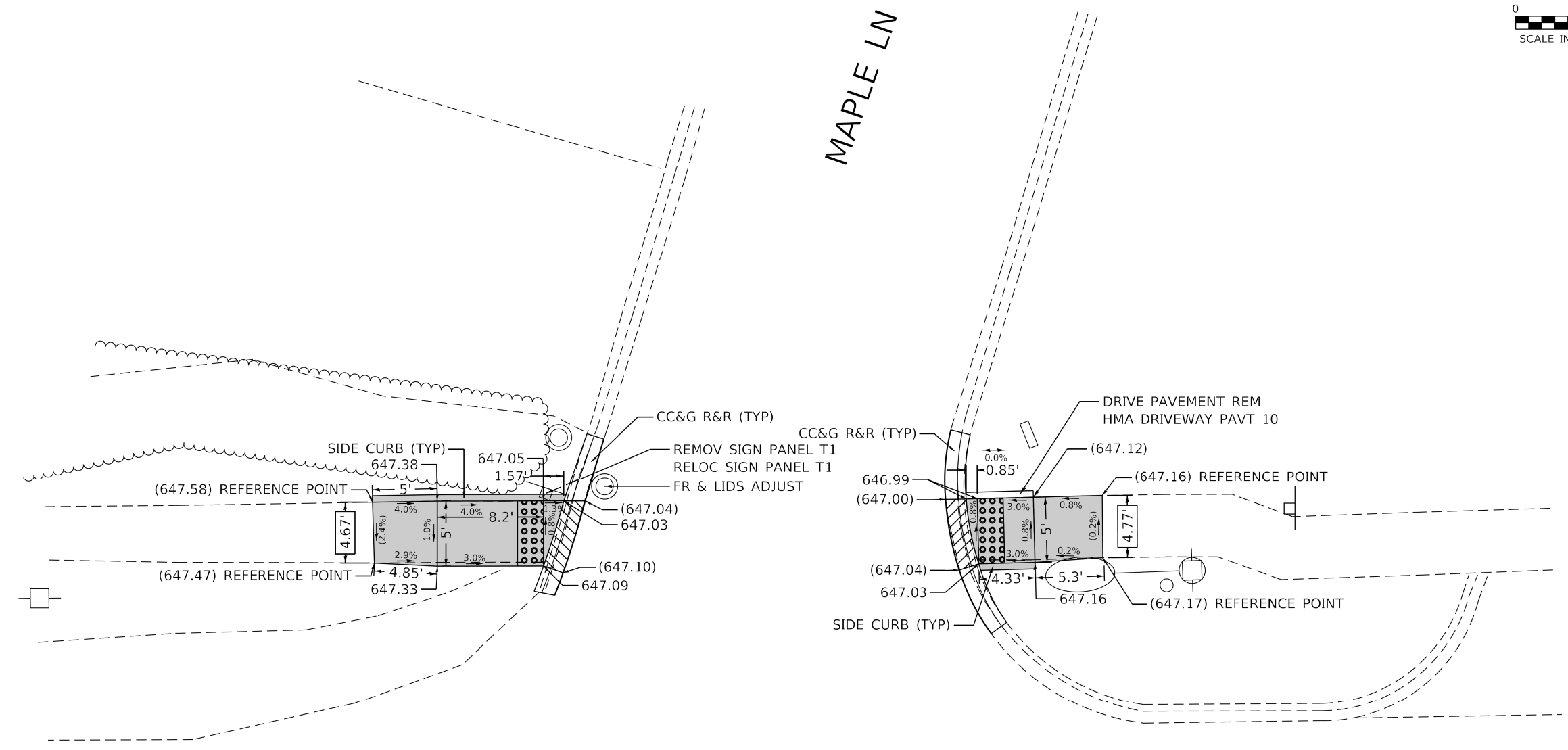
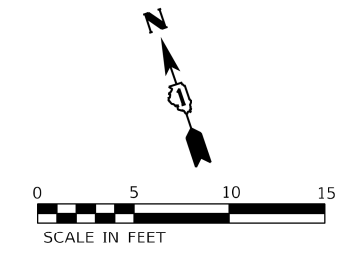
REFERENCE BENCHMARK 11 EL 651.37  
BENCHMARK : FH NE BOLT  
LOCATION : SE COR IL 56 (BUTTERFIELD RD) AND BUCKTHORNE LN

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
IL 56 (BUTTERFIELD RD) AT BUCKTHORNE LN

Default	USER NAME = mslick	DESIGNED - RG / AN / MS	REVISED -	SCALE: 1" = 5'	SHEET	OF	SHEETS	STA.	TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 10.0004" / in.	CHECKED - JH	REVISED -							3545	56IRS-4	COOK	27	16P
	PLOT DATE = 3/1/2018	DATE - 03/01/2018	REVISED -	CONTRACT NO. 62F68 ILLINOIS FED. AID PROJECT										

FILE NAME = Z:\17002112 IDOT 01 WD12 Butterfield ADA\DON\Design\Plan\Plotsheets\162F68-ah-t-detailRamp-17.dgn



### IL 56 (BUTTERFIELD RD)

NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK 12 EL 650.05  
BENCHMARK : FH NW BOLT  
LOCATION : SE COR IL 56 (BUTTERFIELD RD) AND MAPLE LN

#### LEGEND

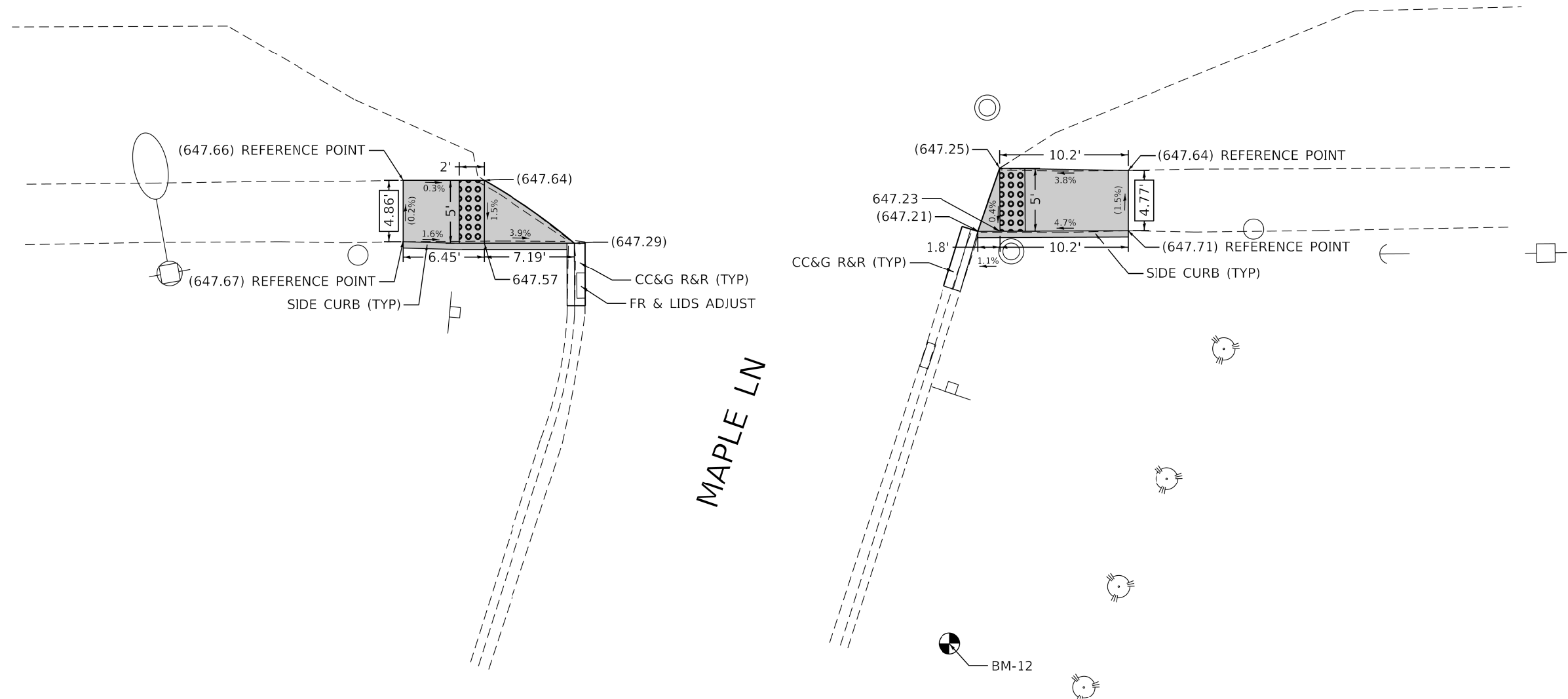
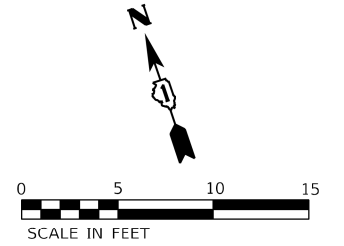
- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION / SLOPE
- PC CONC SIDEWALK 5 SUB GRAN MAT B 4
- DEPRESSIBLE CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD

REFERENCE BENCHMARK 12 EL 650.05  
BENCHMARK : FH NW BOLT  
LOCATION : SE COR IL 56 (BUTTERFIELD RD) AND MAPLE LN

FILE NAME = Z:\17002\12 IDOT 01 W012 Butterfield ADA\IGN\Design\Plan\Plotsheets\162668-ah-t-detail1aRamp-18.dgn

USER NAME = mslick DRAWN - RG / AN / MS CHECKED - JH DATE - 03/01/2018	DESIGNED - RG / AN / MS DRAWN - RG / AN / MS CHECKED - JH DATE - 03/01/2018	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ADA RAMP DETAILS</b> <b>IL 56 (BUTTERFIELD RD) AT MAPLE LN</b>	F.A.U. RTE. 3545 SECTION 561RS-4 COUNTY COOK TOTAL SHEETS 27 SHEET NO. 16Q	REFERENCE BENCHMARK 12 EL 650.05 BENCHMARK : FH NW BOLT LOCATION : SE COR IL 56 (BUTTERFIELD RD) AND MAPLE LN
SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 62F68 ILLINOIS FED. AID PROJECT			

# IL 56 (BUTTERFIELD RD)



REFERENCE BENCHMARK 12 EL 650.05  
BENCHMARK : FH NW BOLT  
LOCATION : SE COR IL 56 (BUTTERFIELD RD) AND MAPLE LN

## LEGEND

- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION / SLOPE
- PC CONC SIDEWALK 5 SUB GRAN MAT B 4
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD
- DEPRESSED CURB & GUTTER

REFERENCE BENCHMARK 12 EL 650.05  
BENCHMARK : FH NW BOLT  
LOCATION : SE COR IL 56 (BUTTERFIELD RD) AND MAPLE LN

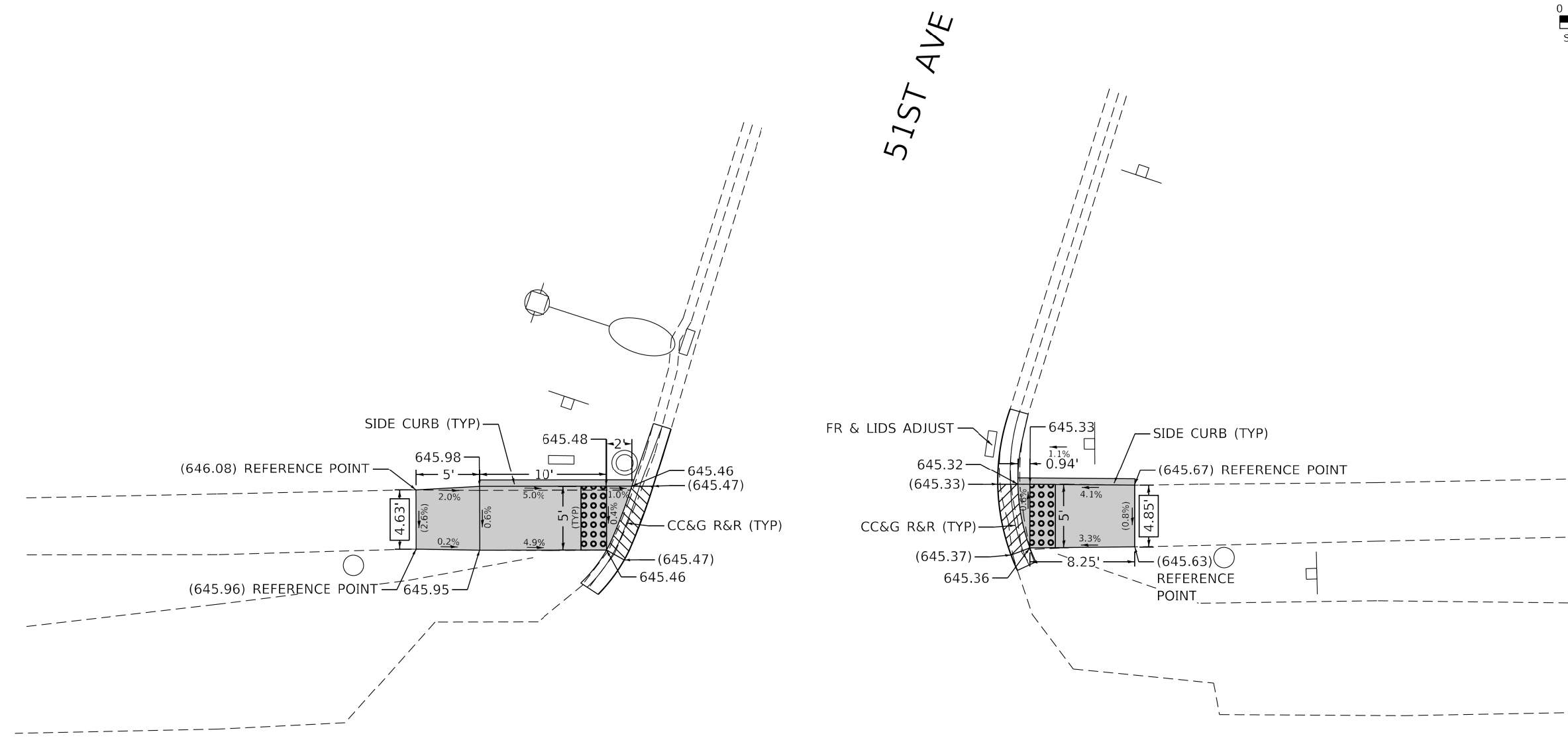
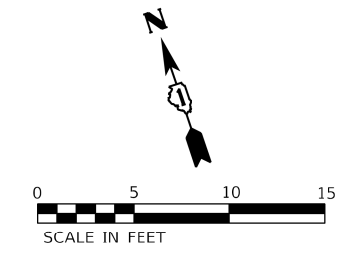
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
IL 56 (BUTTERFIELD RD) AT MAPLE LN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	56IRS-4	COOK	27	16R
CONTRACT NO. 62F68				
ILLINOIS FED. AID PROJECT				

FILE NAME = Z:\17002\12 IDOT 01 W012 Butterfield ADA\Drawings\Plotsheets\162F68-ah-t-detail16Rmp-1.dgn



IL 56 (BUTTERFIELD RD)

NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK 13 EL 648.04  
BENCHMARK : FH NE BOLT  
LOCATION : SW COR IL 56 (BUTTERFIELD RD) AND 51ST AVE

**LEGEND**

XX.X' EXISTING LENGTH  
( ) EXISTING ELEVATION / SLOPE

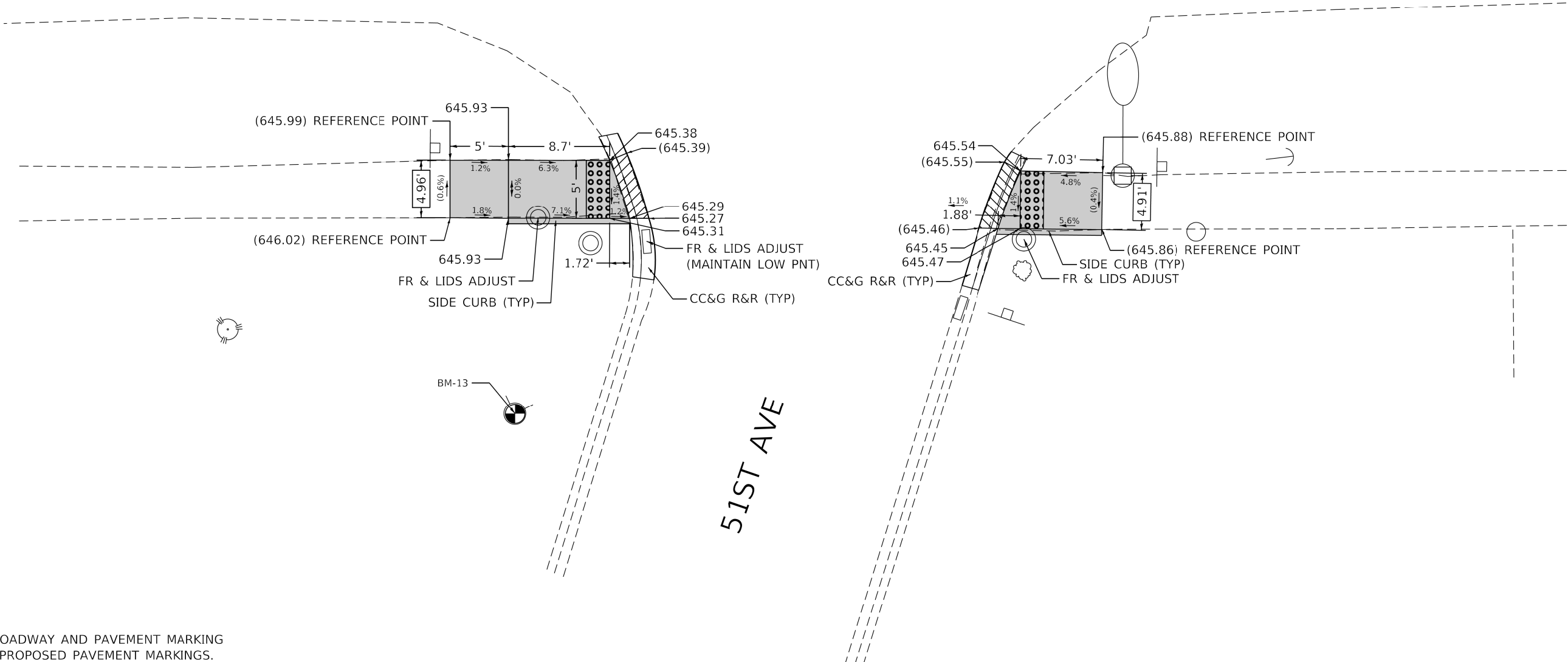
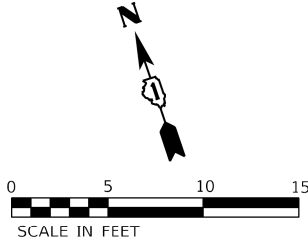
- PC CONC SIDEWALK 5 SUB GRAN MAT B 4
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD

REFERENCE BENCHMARK 13 EL 648.04  
BENCHMARK : FH NE BOLT  
LOCATION : SW COR IL 56 (BUTTERFIELD RD) AND 51ST AVE

FILE NAME = Z:\17002112 IDOT 01 W012 Butterfield ADA\IGN\Design\Plan\Plotsheets\162F68-ah-t-detail1aRamp-20.dgn

Default	USER NAME = mslick	DESIGNED - RG / AN / MS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ADA RAMP DETAILS IL 56 (BUTTERFIELD RD) AT 51ST AVE</b>				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 10.0004' / in.	CHECKED - JH	REVISED -		SCALE: 1" = 5'	SHEET	OF	SHEETS	STA.	TO	STA.	3545	561RS-4	COOK
	PLOT DATE = 3/1/2018	DATE - 03/01/2018	REVISED -						CONTRACT NO. 62F68					
					ILLINOIS FED. AID PROJECT									

# IL 56 (BUTTERFIELD RD)



NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK 13 EL 648.04  
BENCHMARK : FH NE BOLT  
LOCATION : SW COR IL 56 (BUTTERFIELD RD) AND 51ST AVE

### LEGEND

- [XX.X'] EXISTING LENGTH
- ( ) EXISTING ELEVATION / SLOPE
- [Solid Grey Box] PC CONC SIDEWALK 5 SUB GRAN MAT B 4
- [Dotted Box] DETECTABLE WARNINGS
- [Cross-hatched Box] SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD
- [Diagonal Hatched Box] DEPRESSED CURB & GUTTER

REFERENCE BENCHMARK 13 EL 648.04  
BENCHMARK : FH NE BOLT  
LOCATION : SW COR IL 56 (BUTTERFIELD RD) AND 51ST AVE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

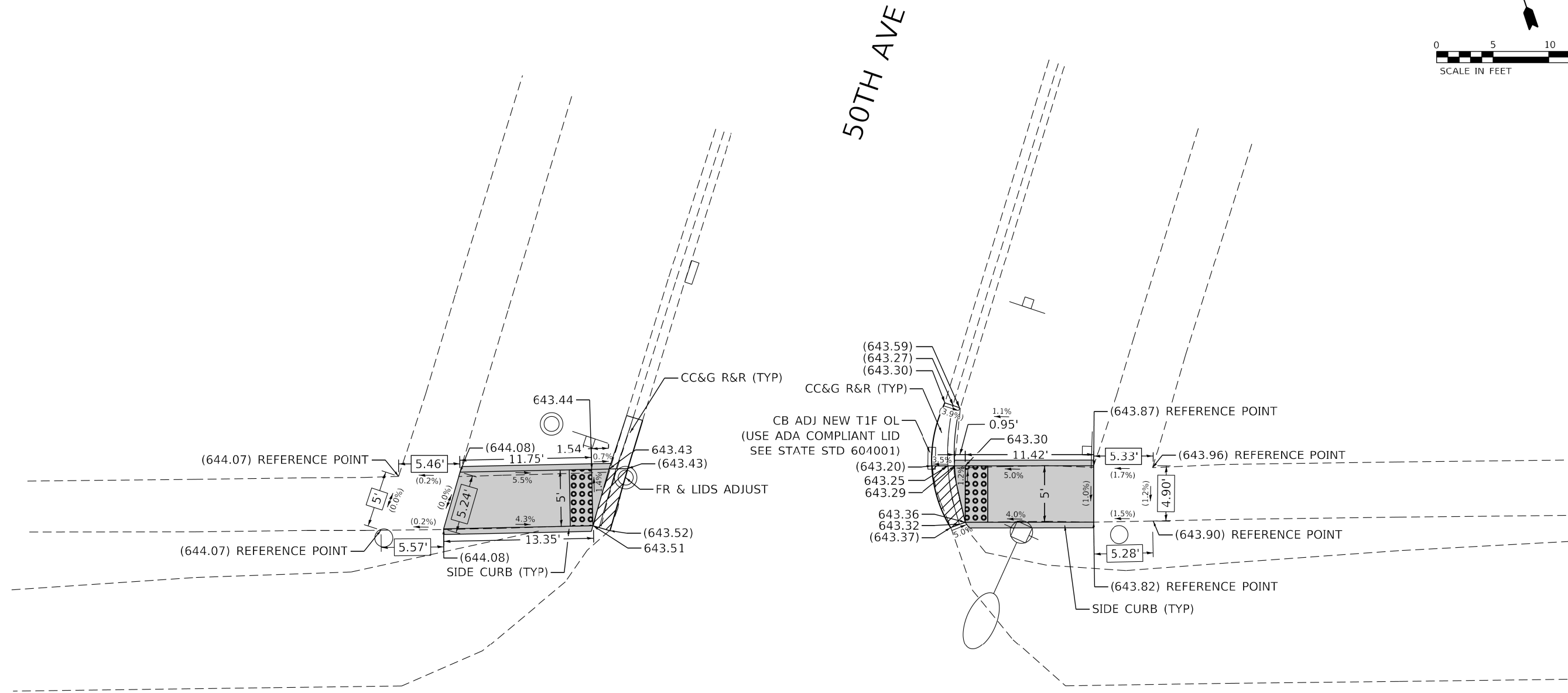
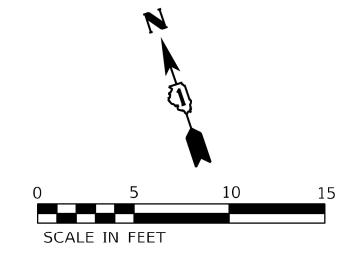
ADA RAMP DETAILS  
IL 56 (BUTTERFIELD RD) AT 51ST AVE  
SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	56IRS-4	COOK	27	16T
CONTRACT NO. 62F68				
ILLINOIS FED. AID PROJECT				

USER NAME = mslick	DESIGNED - RG / AN / MS	REVISED -
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PLOT DATE = 3/1/2018	DATE - 03/01/2018	REVISED -

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 PLOT SCALE: 10.0004 "/ in.









### IL 56 (BUTTERFIELD RD)

NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK 14 EL 646.46  
BENCHMARK : FH NE BOLT  
LOCATION : SW COR IL 56 (BUTTERFIELD RD) AND JACKSON BLVD

#### LEGEND

XX.X' EXISTING LENGTH  
( ) EXISTING ELEVATION / SLOPE

	PC CONC SIDEWALK 5 SUB GRAN MAT B 4		DEPRESSED CURB & GUTTER
	DETECTABLE WARNINGS		SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD

REFERENCE BENCHMARK 14 EL 646.46  
BENCHMARK : FH NE BOLT  
LOCATION : SW COR IL 56 (BUTTERFIELD RD) AND JACKSON BLVD

FILE NAME = Z:\17002112 IDOT 01 W012 Butterfield ADA\IGN\Design\Plan\Plotsheets\162668-ah-t-detailRamp-22.dgn

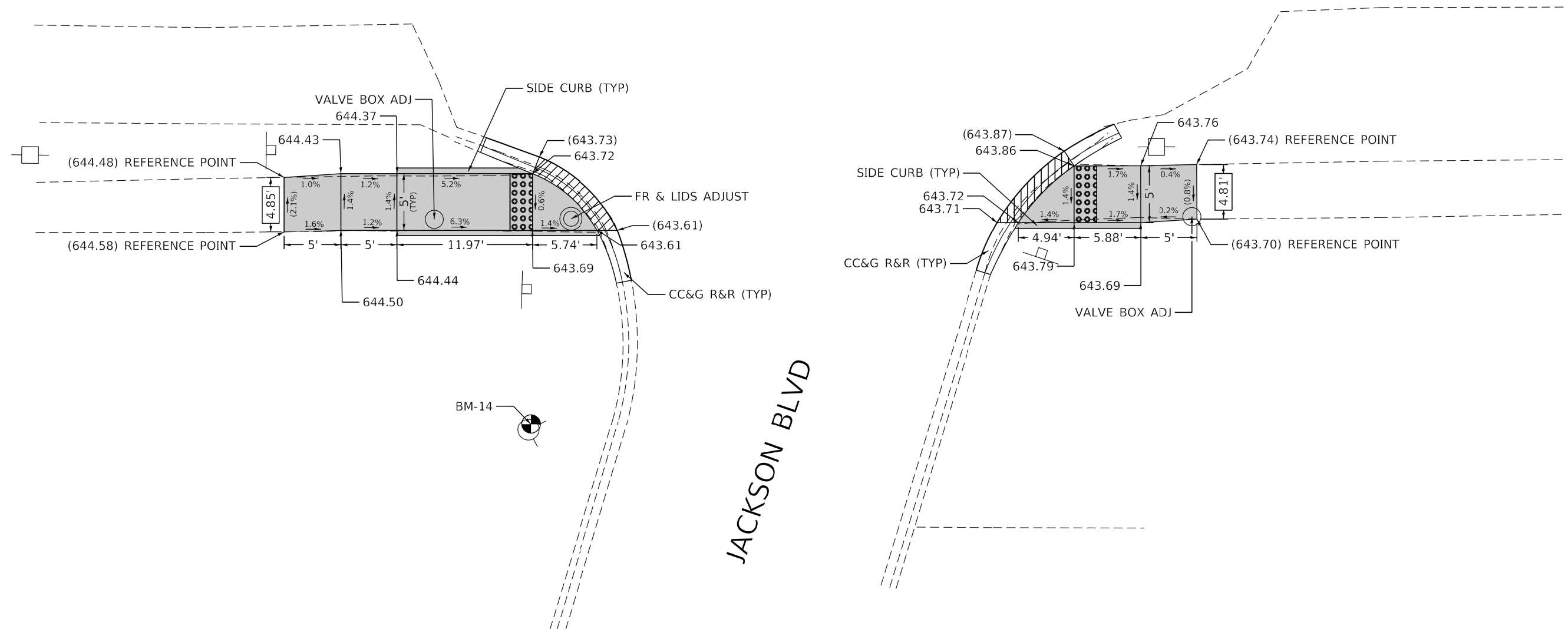
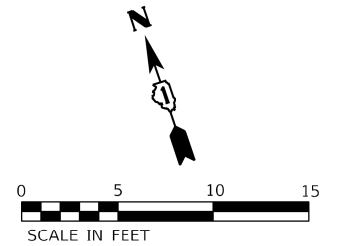
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	DRAWN - RG / AN / MS	REVISED -
PLOT SCALE = 10.0004' / in.	CHECKED - JH	REVISED -
PLOT DATE = 3/1/2018	DATE - 03/01/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS	
IL 56 (BUTTERFIELD RD) AT 50TH AVE	
SCALE: 1" = 5'	SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	561RS-4	COOK	27	16U
CONTRACT NO. 62F68				
ILLINOIS FED. AID PROJECT				

# IL 56 (BUTTERFIELD RD)



REFERENCE BENCHMARK 14 EL 646.46  
BENCHMARK : FH NE BOLT  
LOCATION : SW COR IL 56 (BUTTERFIELD RD) AND JACKSON BLVD

## LEGEND

- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION / SLOPE
- PC CONC SIDEWALK 5 SUB GRAN MAT B 4
- DETECTABLE WARNINGS
- SIDWALK REMOVAL REPLACE W/ TOPSOIL & SOD
- DEPRESSED CURB & GUTTER

REFERENCE BENCHMARK 14 EL 646.46  
BENCHMARK : FH NE BOLT  
LOCATION : SW COR IL 56 (BUTTERFIELD RD) AND JACKSON BLVD

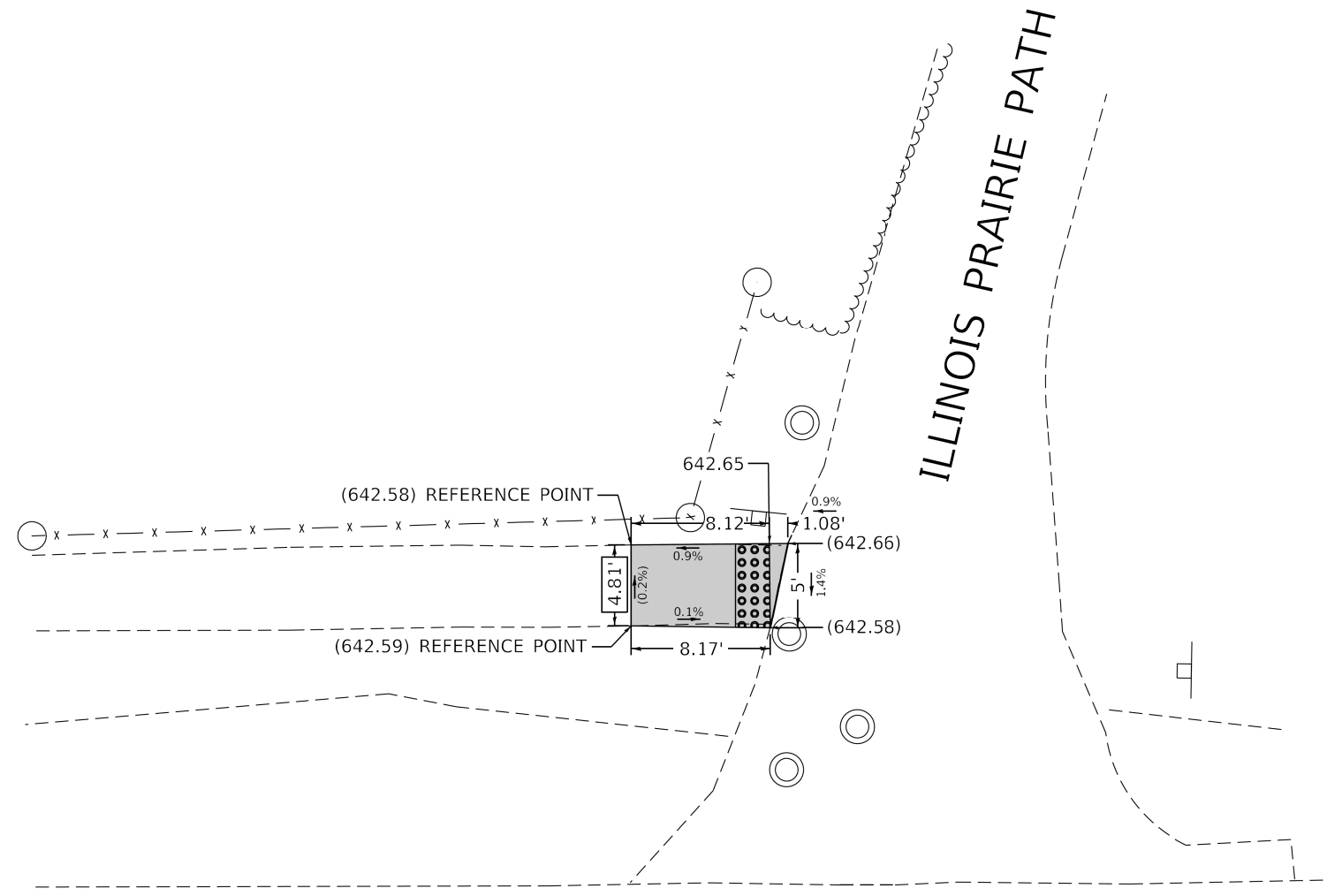
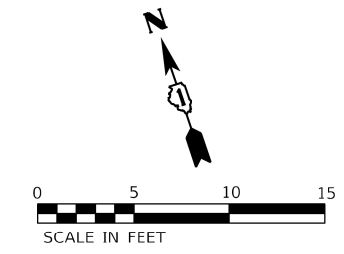
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS  
IL 56 (BUTTERFIELD RD) AT JACKSON BLVD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	56IRS-4	COOK	27	16V
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62F68	

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

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


### IL 56 (BUTTERFIELD RD)

NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING  
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK 15 EL 644.52  
BENCHMARK : FH NW BOLT  
LOCATION : SW COR IL 56 (BUTTERFIELD RD) AND FOREST AVE

#### LEGEND

XX.X' EXISTING LENGTH  
( ) EXISTING ELEVATION / SLOPE

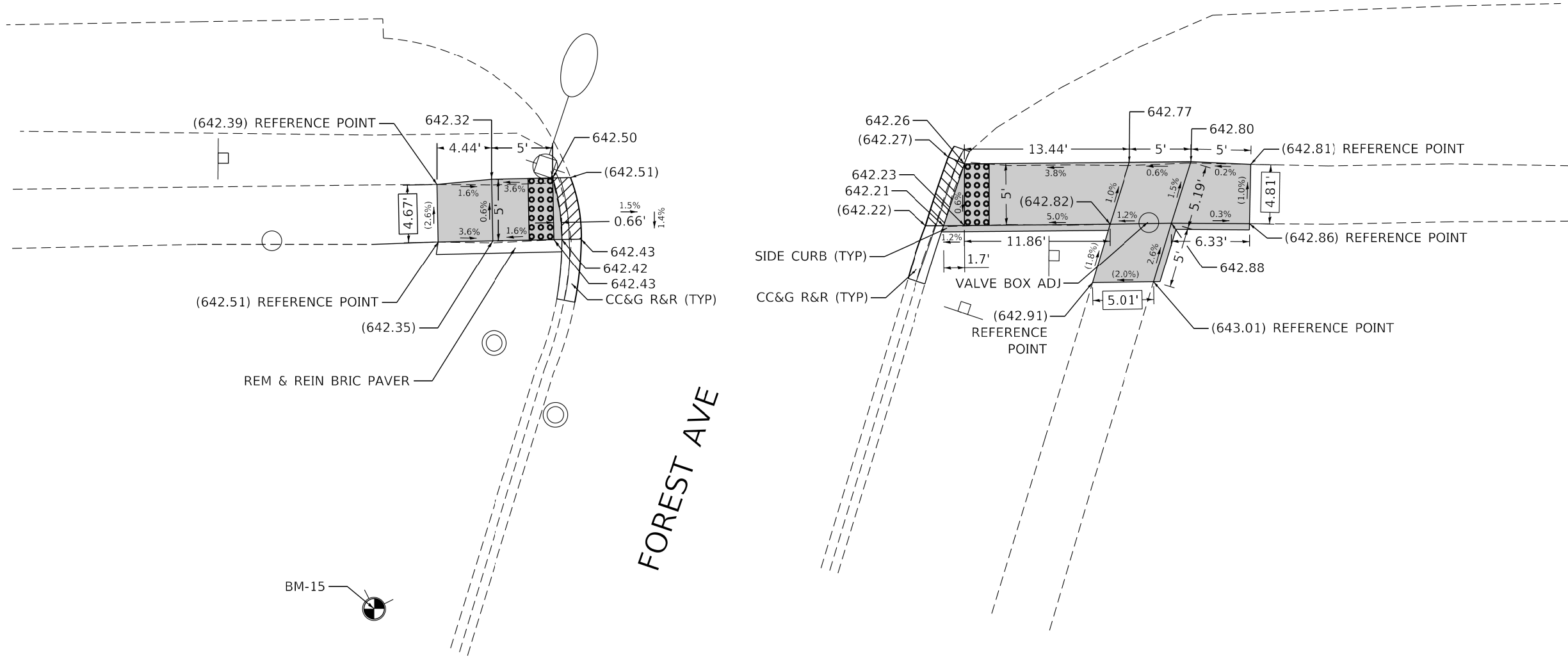
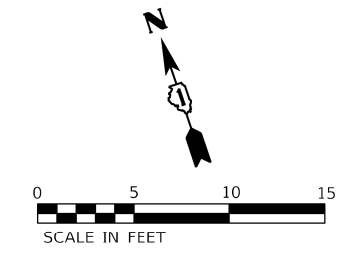
-  PC CONC SIDEWALK 5 SUB GRAN MAT B 4
-  DEPRESSED CURB & GUTTER
-  DETECTABLE WARNINGS
-  SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD

REFERENCE BENCHMARK 15 EL 644.52  
BENCHMARK : FH NW BOLT  
LOCATION : SW COR IL 56 (BUTTERFIELD RD) AND FOREST AVE

FILE NAME = Z:\17002\12 IDOT 01 W012 Butterfield ADA\IGN\Design\Plan\Plotsheets\162F68-ah-t-detailRamp-24.dgn

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	PLOT SCALE = 10.0004' / in.	CHECKED - JH	REVISED -		3545	56IRS-4	COOK	27	16W				
PLOT DATE = 3/1/2018	DATE - 03/01/2018	REVISED -	SCALE: 1" = 5'		SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 62F68		
					ILLINOIS FED. AID PROJECT								

# IL 56 (BUTTERFIELD RD)



NOTE:  
REFER TO ROADWAY AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK 15 EL 644.52  
BENCHMARK : FH NW BOLT  
LOCATION : SW COR IL 56 (BUTTERFIELD RD) AND FOREST AVE

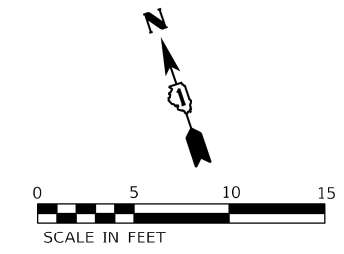
**LEGEND**

PC CONC SIDEWALK 5 SUB GRAN MAT B 4	DEPRESSED CURB & GUTTER
EXISTING LENGTH	DETECTABLE WARNINGS
EXISTING ELEVATION / SLOPE	SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD

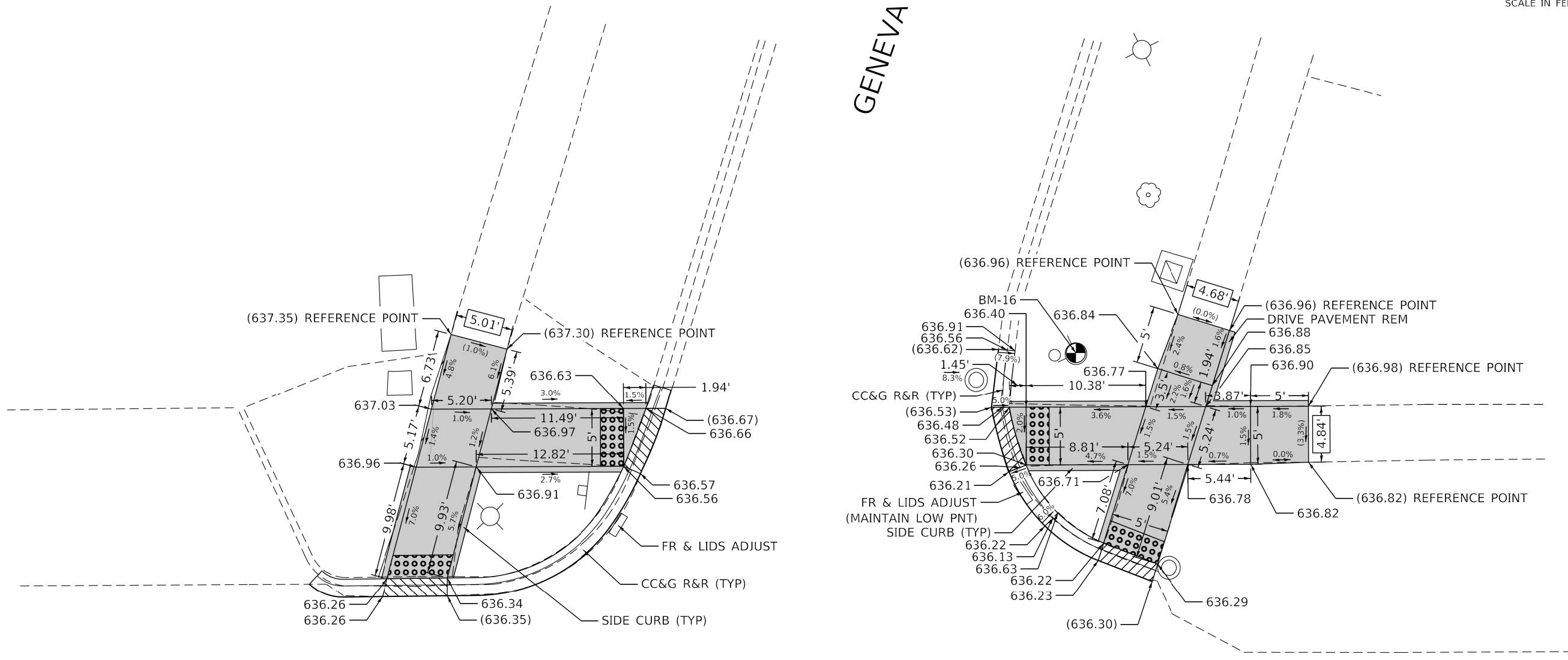
REFERENCE BENCHMARK 15 EL 644.52  
BENCHMARK : FH NW BOLT  
LOCATION : SW COR IL 56 (BUTTERFIELD RD) AND FOREST AVE

FILE NAME = Z:\17002\12 IDOT 01 W012 Butterfield ADA\Drawings\Plotsheets\162F68-ah-t-detailRamp-25.dgn

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	PLOT SCALE = 10.0004" / in.	CHECKED - JH	REVISED -		SCALE: 1" = 5'	SHEET	OF SHEETS	STA.	TO STA.	CONTRACT NO. 62F68 ILLINOIS FED. AID PROJECT	
	PLOT DATE = 3/1/2018	DATE - 03/01/2018	REVISED -								



GENEVA AVE



IL 56 (BUTTERFIELD RD)

FILE NAME = Z:\17002\12 IDOT 01 W012 Butterfield ADA\ADADGN\Design\Plan\Plotsheets\1626\F68-ah-t-detailRamp-26.dgn

REFERENCE BENCHMARK 16 EL 638.26  
 BENCHMARK : FH NE BOLT  
 LOCATION : NE COR IL 56 (BUTTERFIELD RD) AND GENEVA AVE

**LEGEND**

- XX.X' EXISTING LENGTH
- ( ) EXISTING ELEVATION / SLOPE
- PC CONC SIDEWALK 5 SUB GRAN MAT B 4
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD
- DEPRESSED CURB & GUTTER

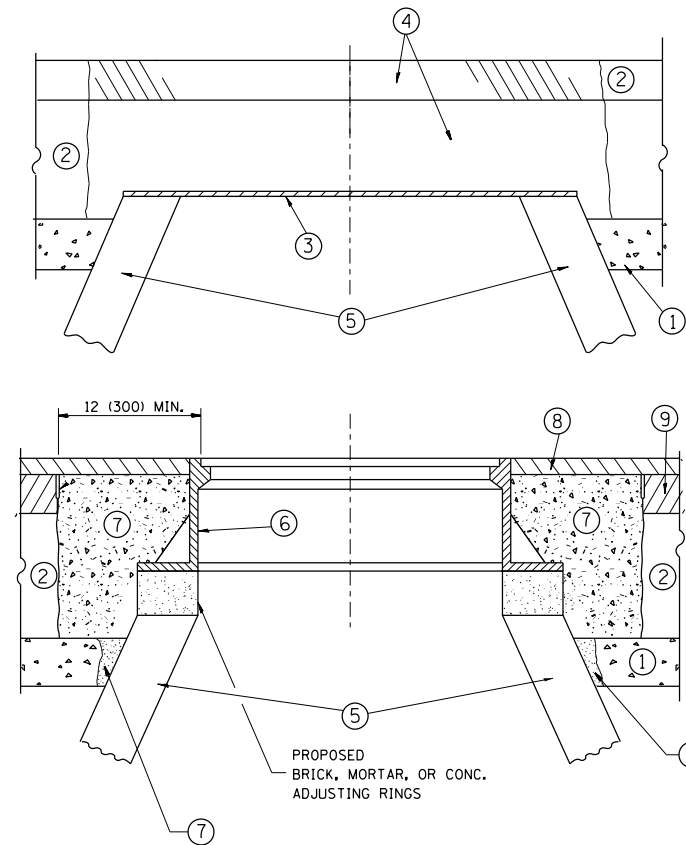
REFERENCE BENCHMARK 16 EL 638.26  
 BENCHMARK : FH NE BOLT  
 LOCATION : NE COR IL 56 (BUTTERFIELD RD) AND GENEVA AVE

USER NAME = mslick	DESIGNED - RG / AN / MS	REVISED -
	DRAWN - RG / AN / MS	REVISED -
PLOT SCALE = 10.0004" / in.	CHECKED - JH	REVISED -
PLOT DATE = 3/1/2018	DATE - 03/01/2018	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

<b>ADA RAMP DETAILS</b>			
<b>IL 56 (BUTTERFIELD RD) AT GENEVA AVE</b>			
SCALE: 1" = 5'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	56IRS-4	COOK	27	16Y
CONTRACT NO. 62F68				
ILLINOIS FED. AID PROJECT				



**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 1/2 (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

**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.

**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.

**DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING**

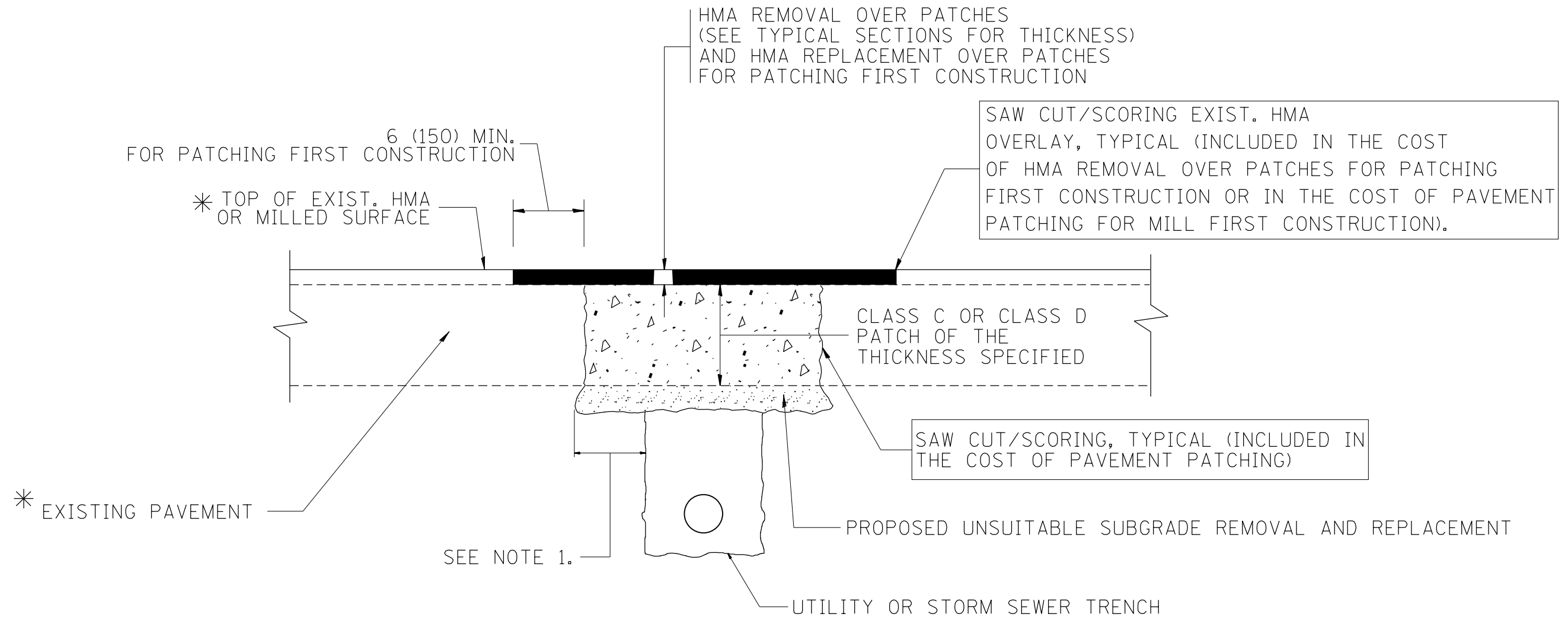
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = Josephm	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI027\Drawings\Design\DistStd.dgn			REVISED - R. BORO 01-01-07
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 2/2/2018	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545/143	561RS-4	COOK	27	17
<b>BD600-03 (BD-8)</b>			<b>CONTRACT NO. 62F68</b>	
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 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 =	USER NAME = Josephm	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>			F.A.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\ill084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI027\Drawings\Design\DistStd.dgn	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 01-01-07					561RS-4	COOK	27	18	
	PLOT DATE = 2/2/2018	DATE - 10-25-94	REVISED - R. BORO 09-04-07		<b>BD400-04 (BD-22)</b>			CONTRACT NO.	62F68			
			REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001  
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (5) \*\*

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

\* 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.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

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.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

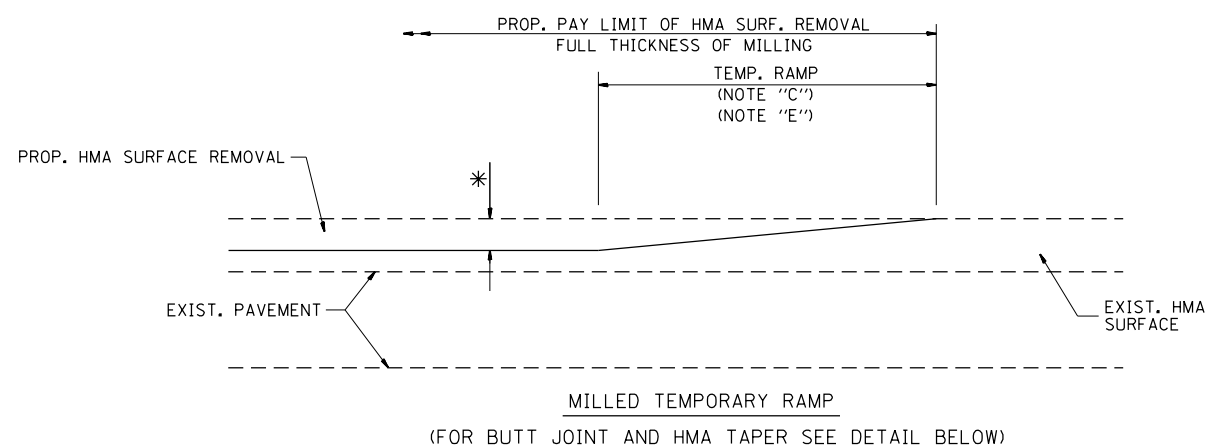
BASIS OF PAYMENT:  
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

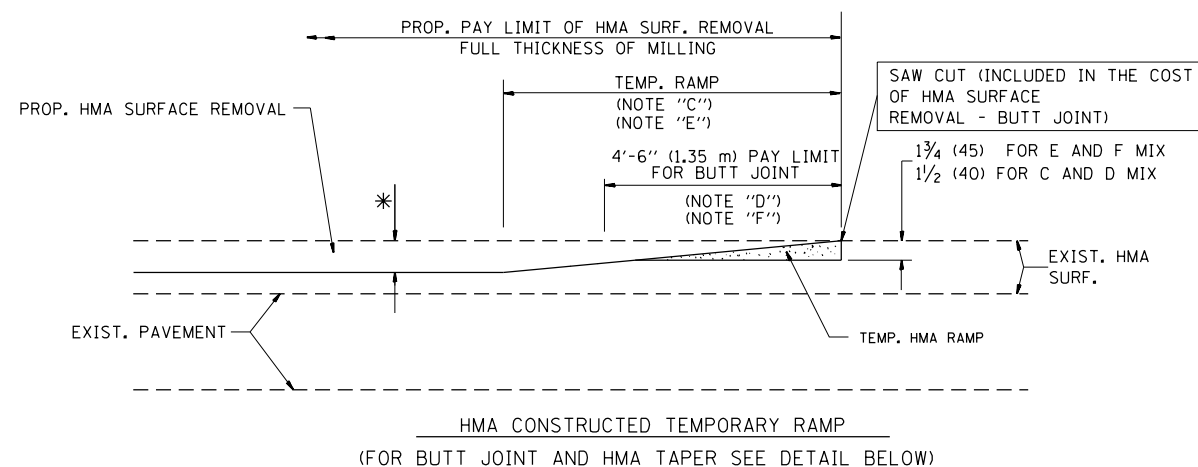
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = Josephm	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT</b>	F.A.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI027\Drawings\Design\DistStd.dgn		REVISOR - A. ABBAS 03-21-97	REVISED - M. GOMEZ 01-22-01			3545/143	561RS-4	COOK	27	19
PLOT SCALE = 100.0000' / 1".	CHECKED -	REVISOR - R. BORO 12-15-09				<b>BD600-06 (BD-24)</b>		<b>CONTRACT NO. 62F68</b>		
PLOT DATE = 2/2/2018	DATE - 03-11-94					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



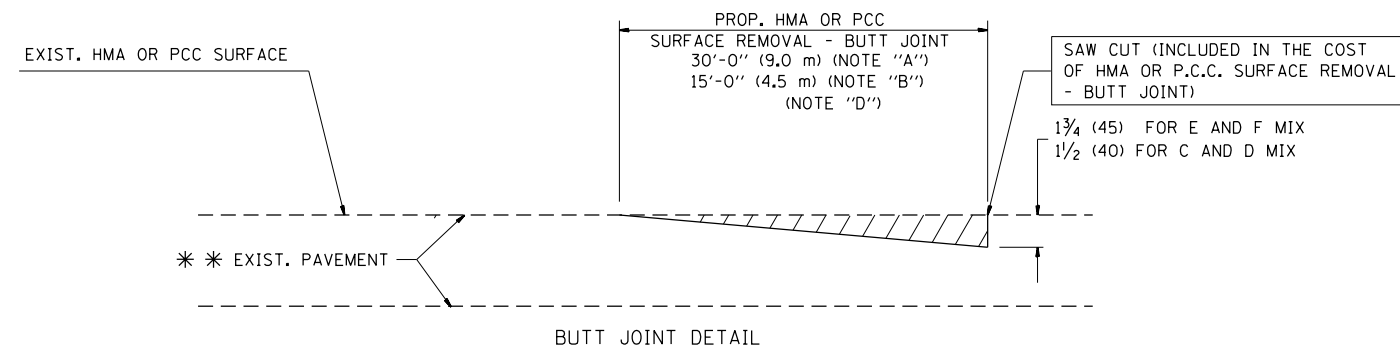


**OPTION 1**

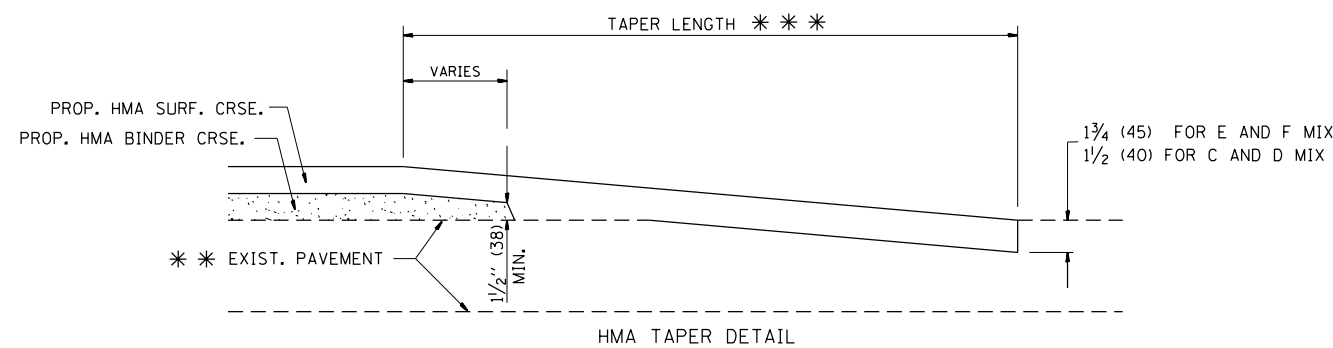


**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**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".

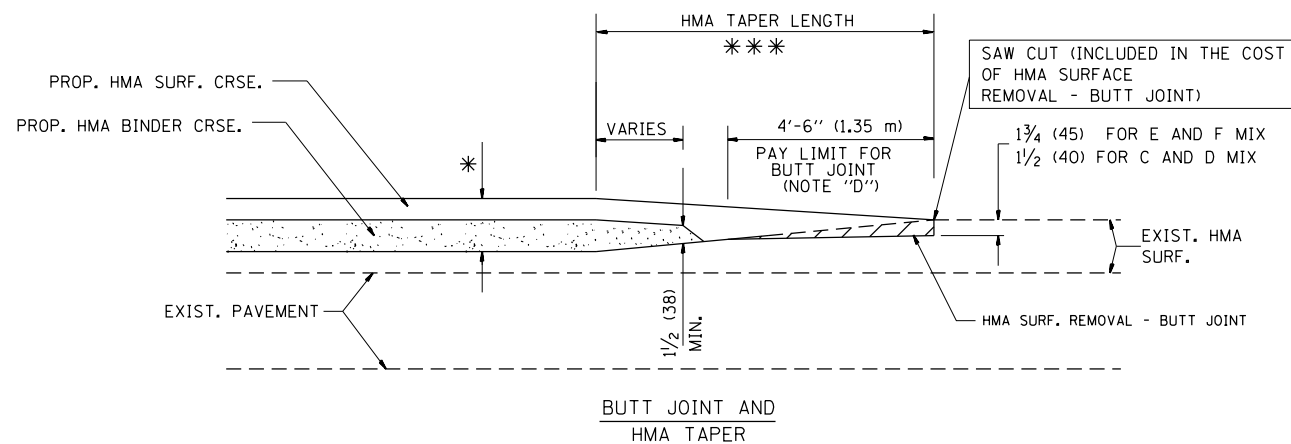
\* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

\*\*\* 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.



**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**

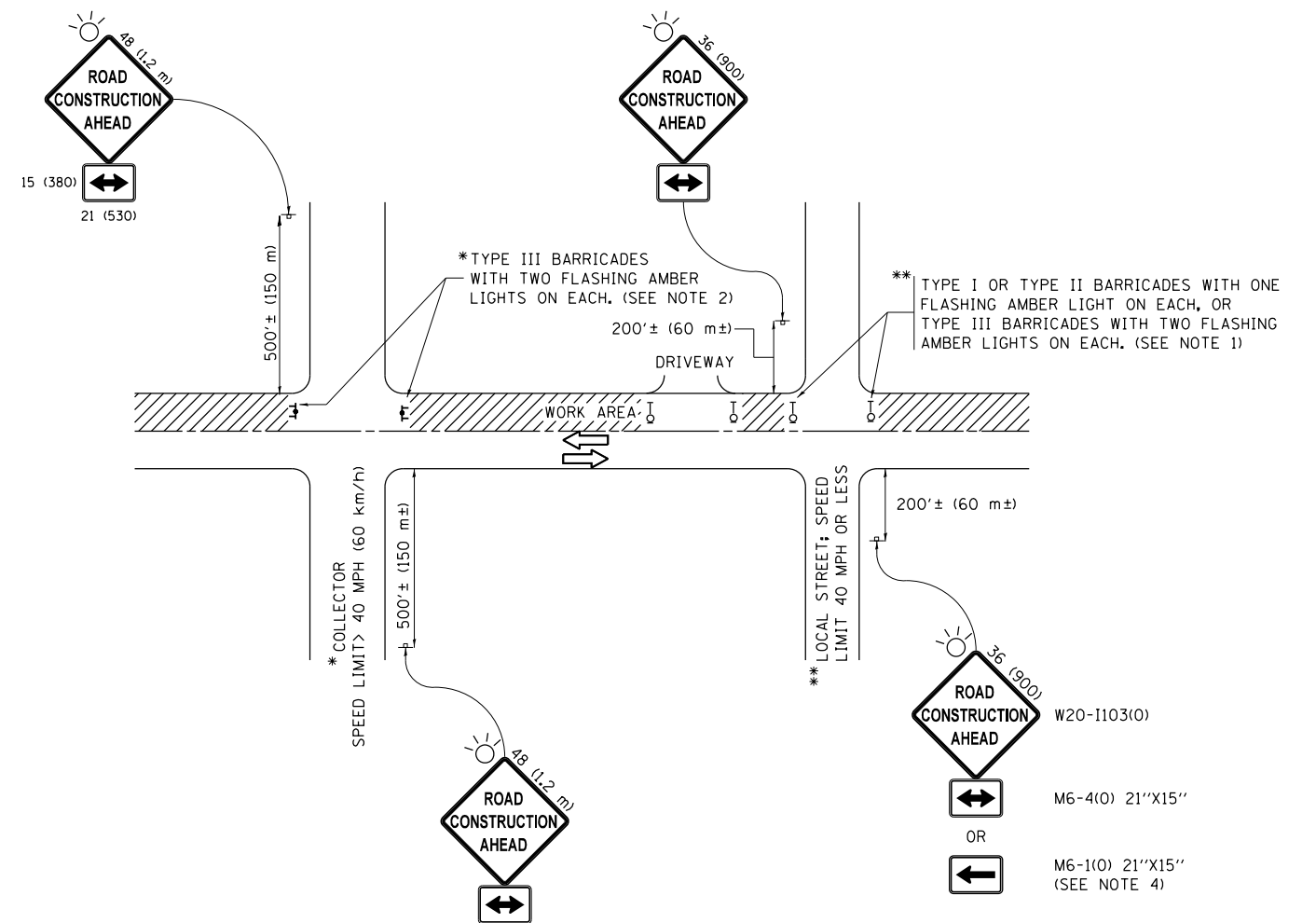
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	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 2/2/2018	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND  
HMA TAPER DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545/142	561RS-4	COOK	27	20
<b>BD400-05 BD32</b>		<b>CONTRACT NO. 62F68</b>		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**NOTES:**

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 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. 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.
4. 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).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

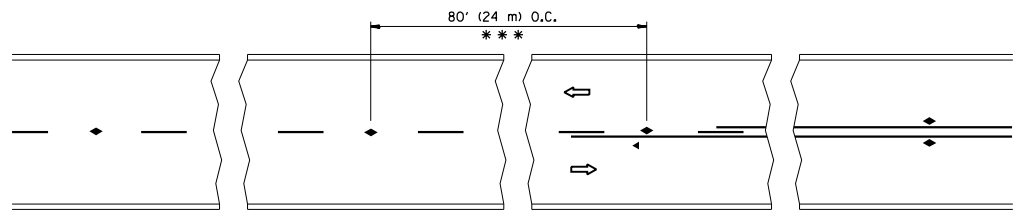
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	PLOT DATE = 2/2/2018	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

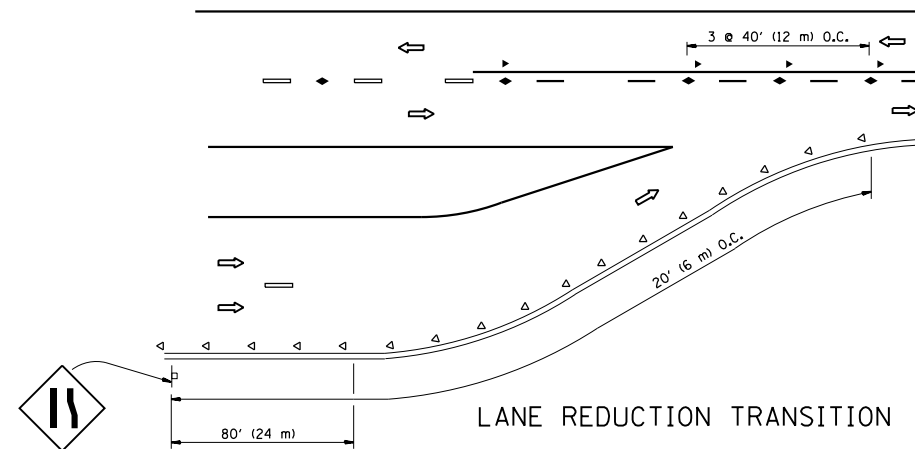
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>TC-10</b>		<b>CONTRACT NO.</b>	62F68	
ILLINOIS FED. AID PROJECT				

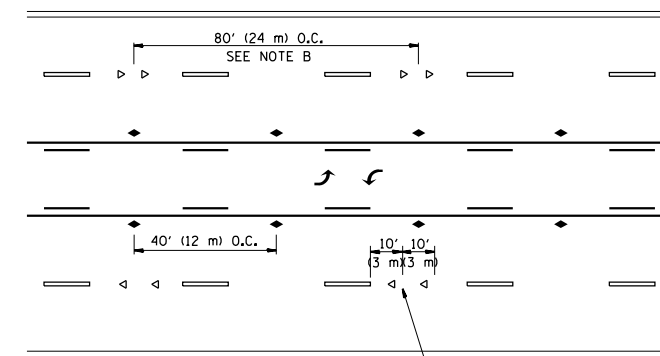


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

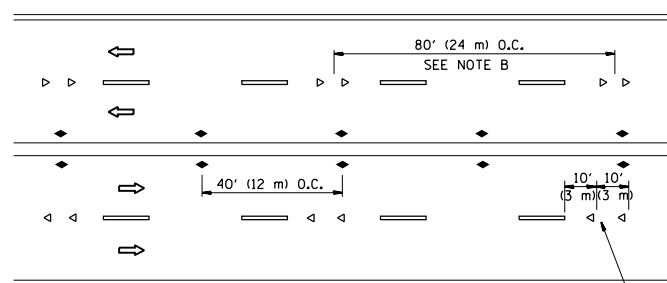
TWO-LANE/TWO-WAY



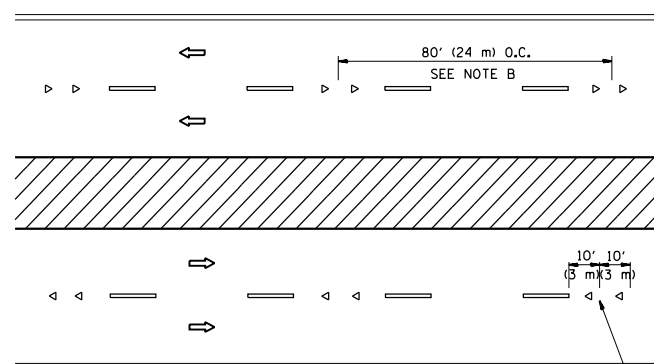
LANE REDUCTION TRANSITION



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

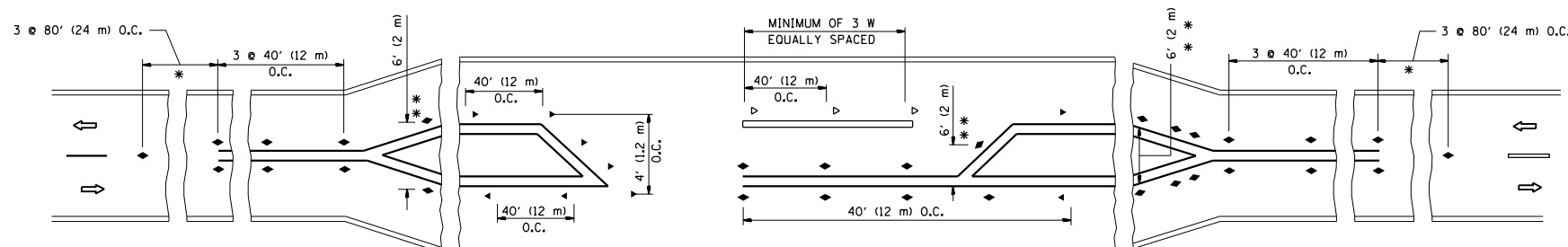
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.



LEFT TURN

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

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

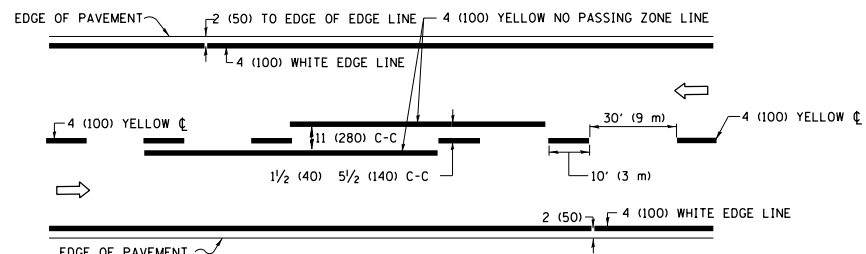
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			REVISED - C. JUCIUS 09-09-09

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

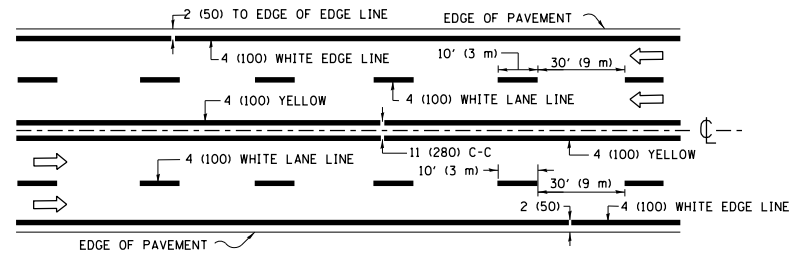
TYPICAL APPLICATIONS  
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

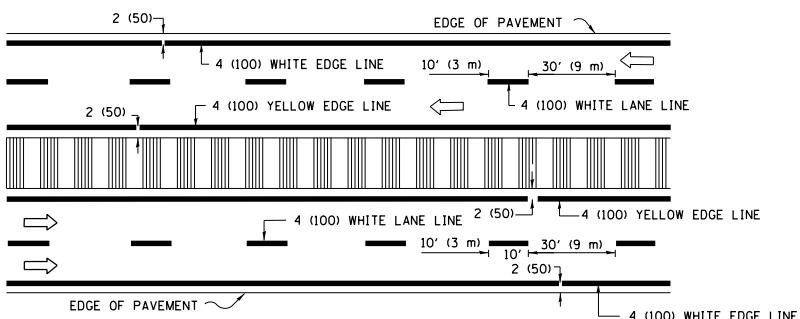
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545/142	561RS-4	COOK	27	22
TC-11		CONTRACT NO. 62F68		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**

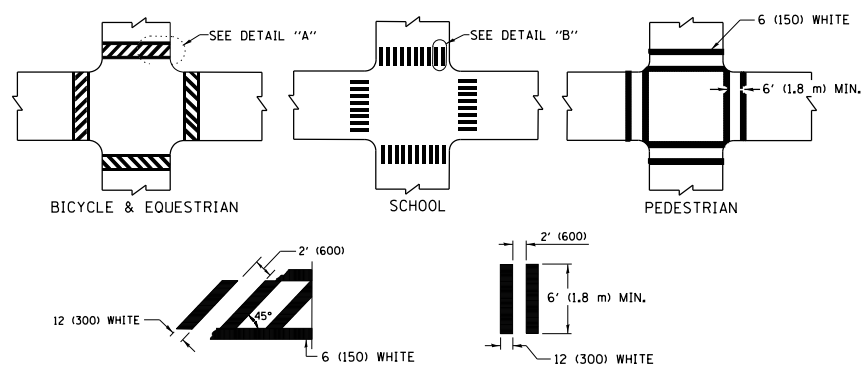


**MULTI-LANE UNDIVIDED**



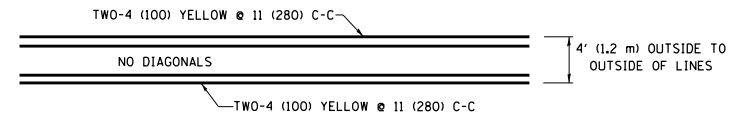
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

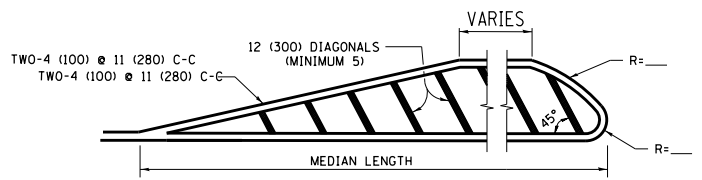


**TYPICAL CROSSWALK MARKING**

\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

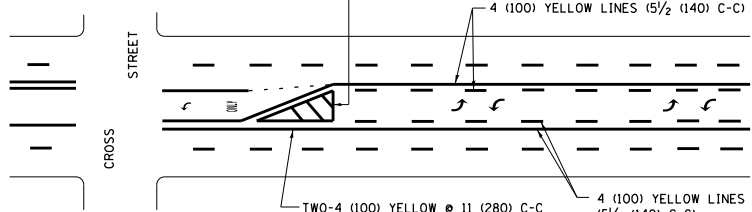


**4' (1.2 m) WIDE MEDIANS ONLY**



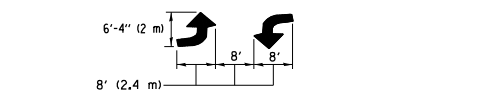
**MEDIANS OVER 4' (1.2 m) WIDE**

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))



**MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING**

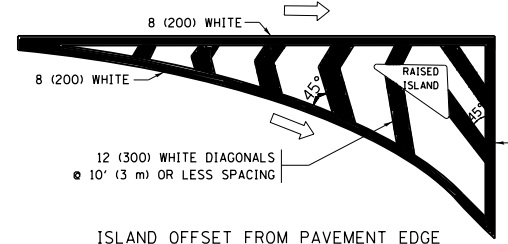
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



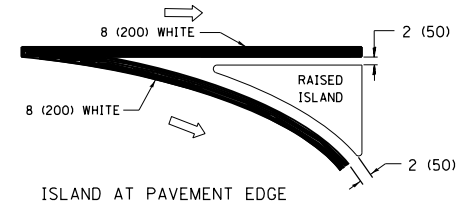
**TYPICAL LEFT (OR RIGHT) TURN LANE**

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
\* 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".

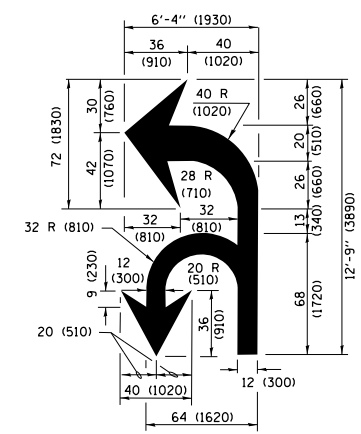
**TYPICAL TURN LANE MARKING**



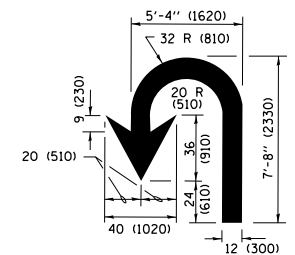
**ISLAND OFFSET FROM PAVEMENT EDGE**



**ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

**LANE REDUCTION TRANSITION**

\* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

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 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (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 MEDIANS IN YELLOW
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 @ 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; 5 1/2 (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 @ 6 (150) 12 (300) @ 45° 12 (300) @ 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 @ 4 (100) WITH 12 (300) DIAGONALS @ 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 @ 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 <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 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))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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.

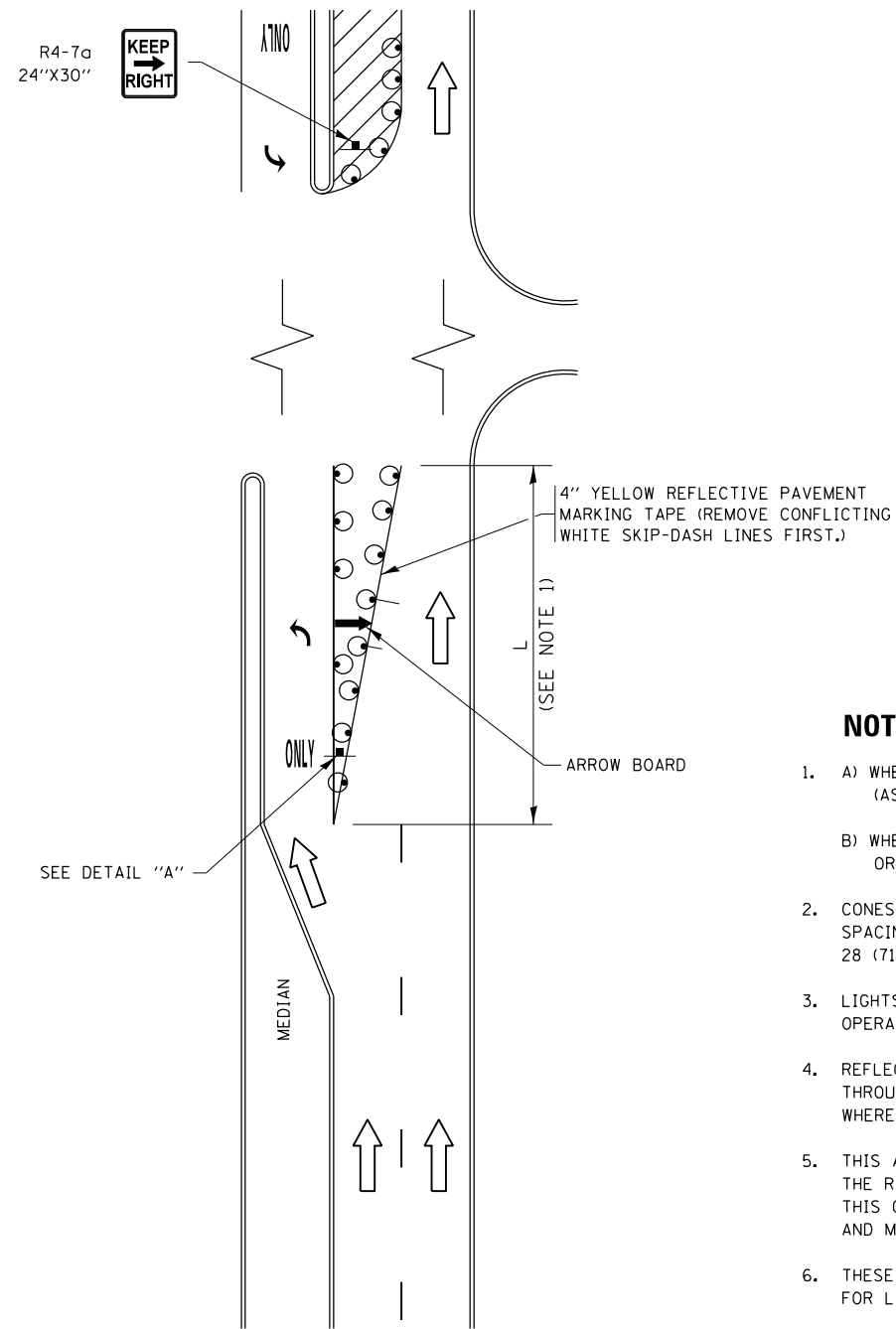
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	PLOT DATE = 2/2/2018		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE TYPICAL PAVEMENT MARKINGS</b>			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	

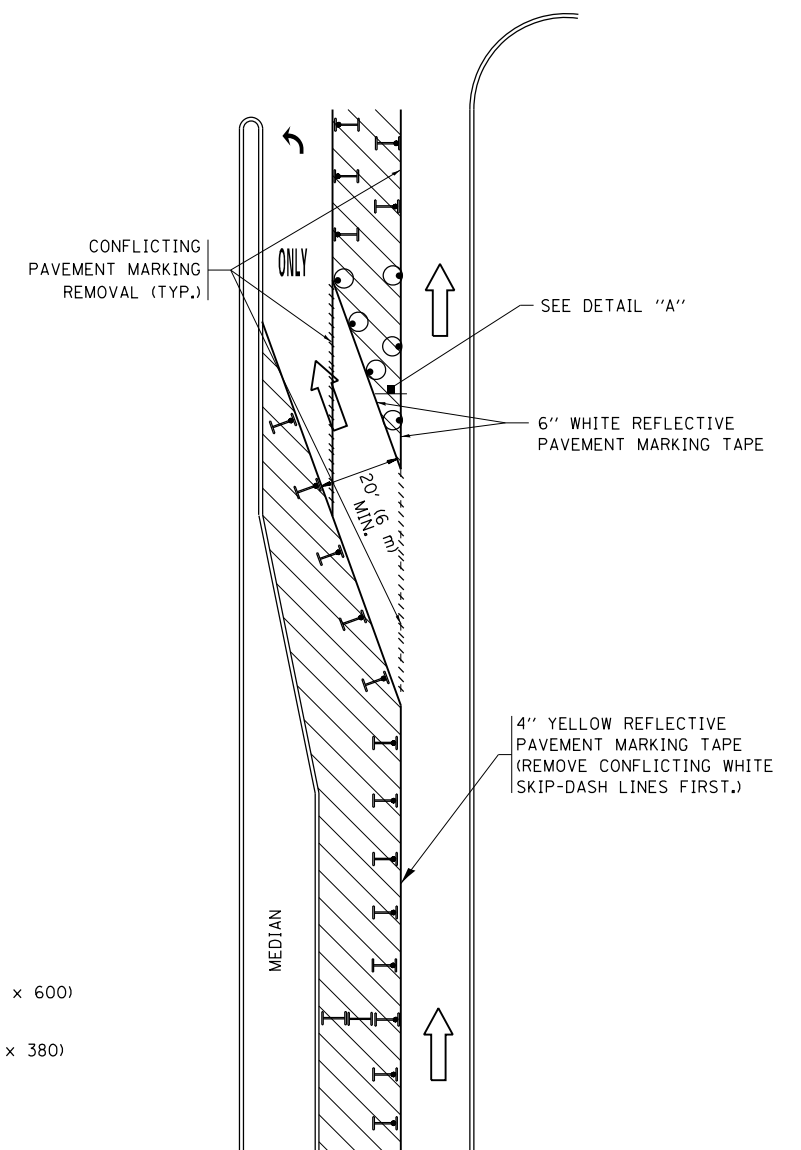
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545/141	561RS-4	COOK	27	23
<b>TC-13</b>			CONTRACT NO. 62F68	
ILLINOIS FED. AID PROJECT				

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

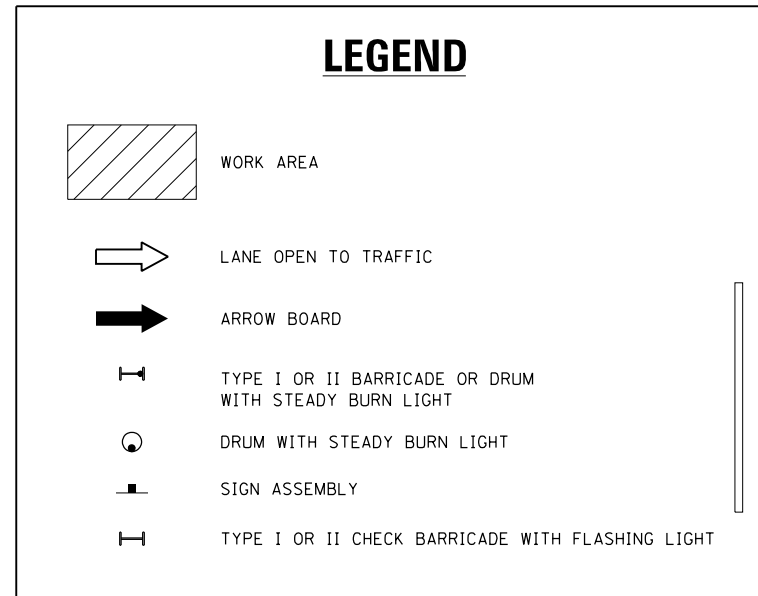


**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE

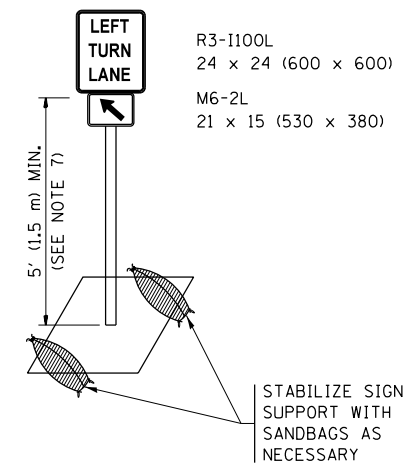


**FIGURE 2**



### NOTES:

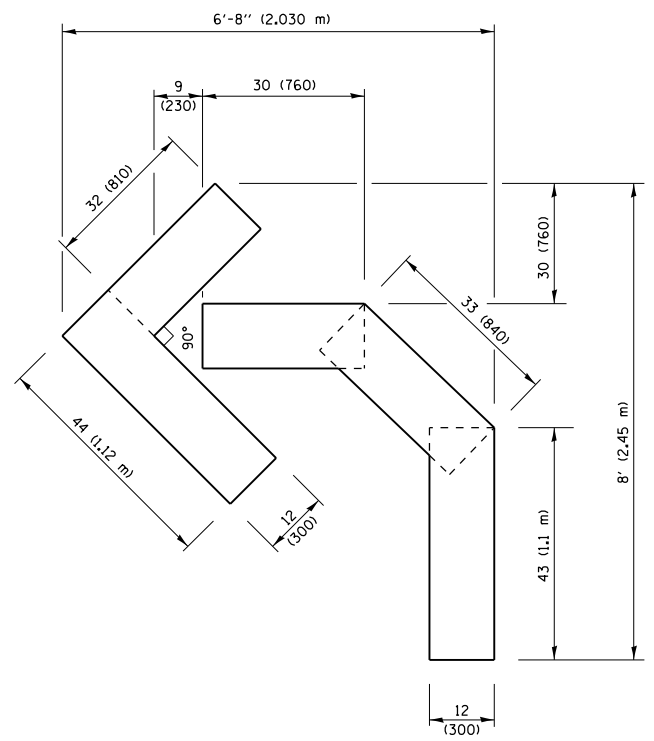
1. A) WHEN "L" IS  $\leq$  THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.  
B) WHEN "L" IS  $>$  THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. 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-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



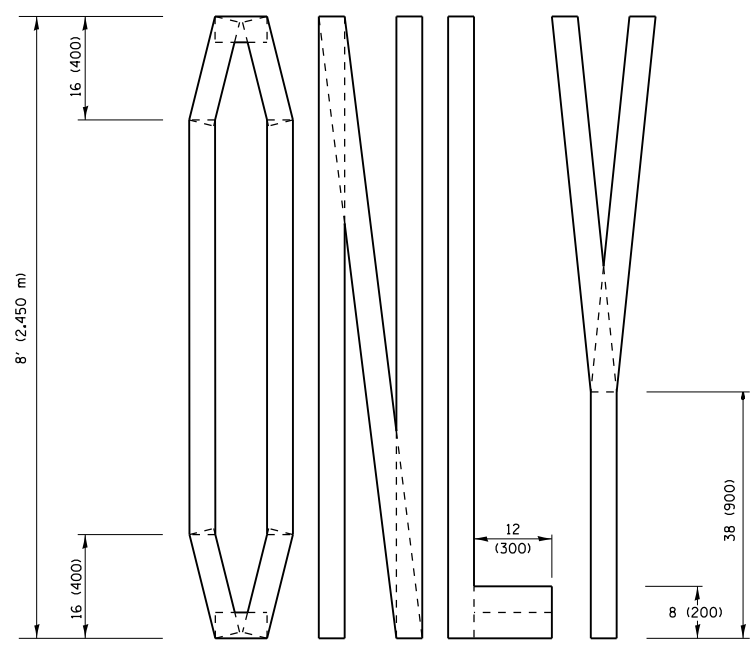
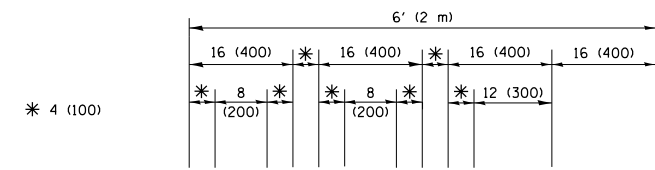
**DETAIL A**

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

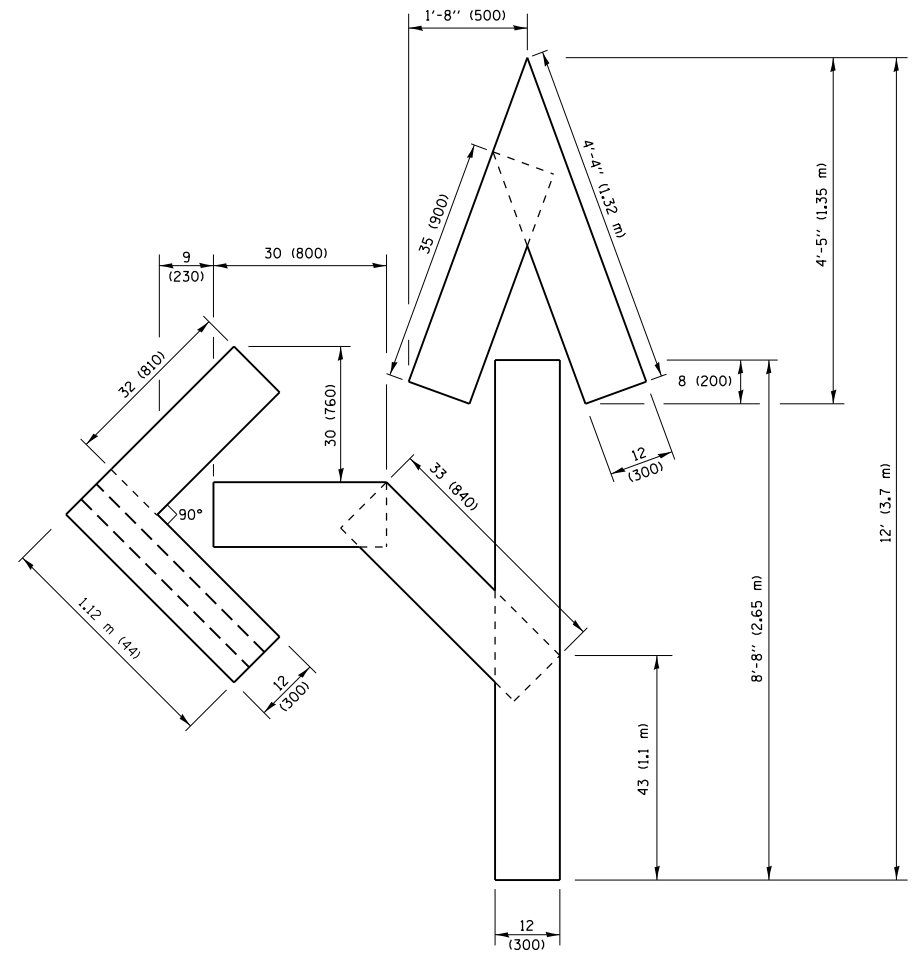
FILE NAME =	USER NAME = Josephm	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)</b>			F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default		REVISED - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13					561RS-4	COOK	27	24	
	PLOT SCALE = 100.0000' / in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16		<b>TC-14</b>			<b>CONTRACT NO. 62F68</b>				
	PLOT DATE = 2/2/2018	REVISED - T. RAMMACHER 01-06-00	REVISED -		SCALE: NONE			SHEET 1 OF 1 SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT



**QUANTITY**  
 4 (100) LINE = 45.5 ft. (13.9 m)  
 15.2 sq. ft. (1.41 sq. m)

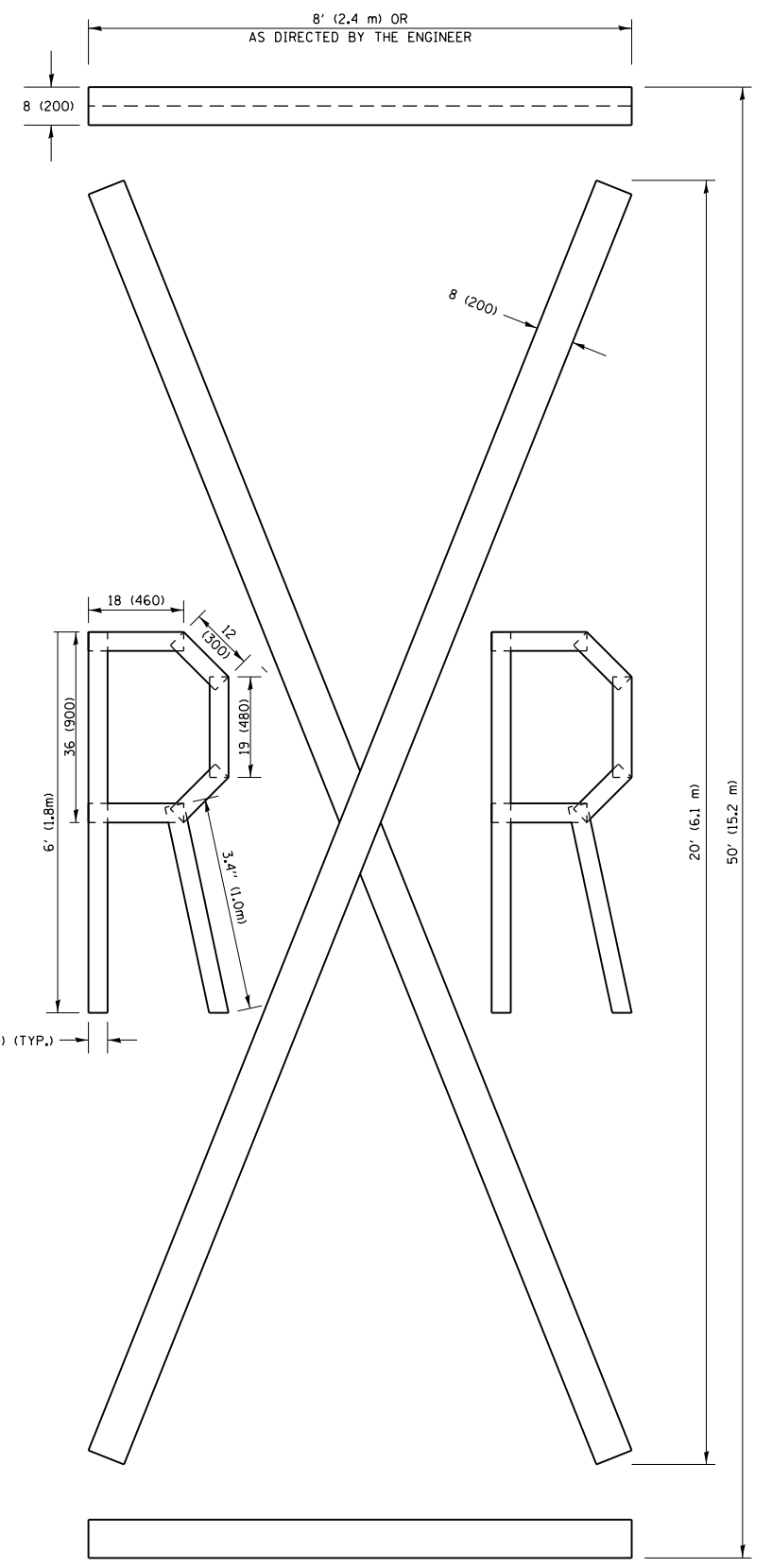


**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 sq. m)



**QUANTITY**  
 4 (100) LINE = 82.5 ft. (25.1 m)  
 27.5 sq. ft. (2.53 sq. m)

**NOTE:**  
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



**QUANTITY**  
 4 (100) LINE = 225.9 ft. (68.9 m)  
 75.3 sq. ft. (6.99 sq. m)

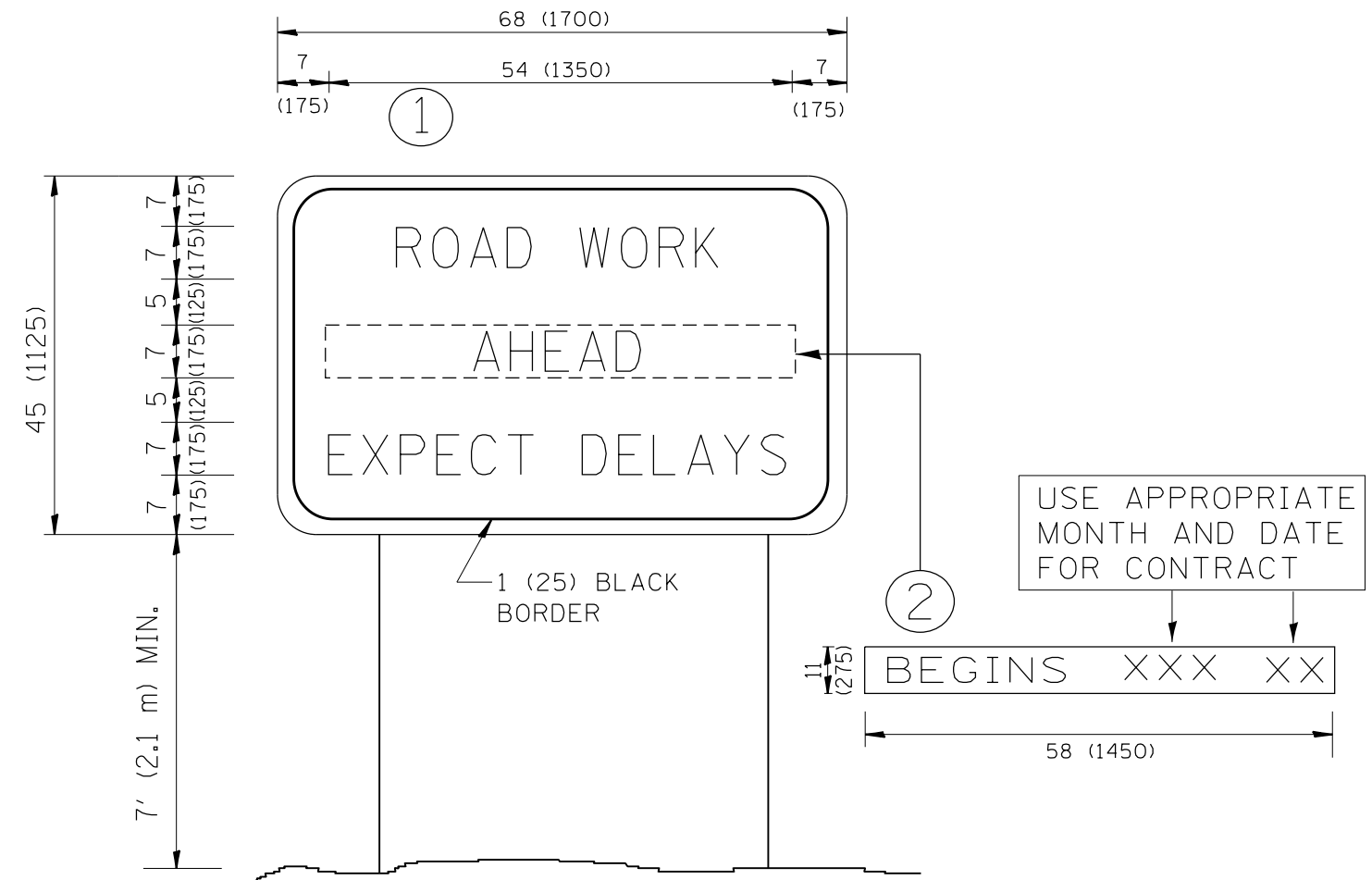
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = Josephm	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
p:\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\01827\Drawings\Design\DistStd.dgn		CHECKED -	REVISED - E. GOMEZ 08-28-00
		DATE - 09-18-94	REVISED - E. GOMEZ 08-28-00
			REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
35451142	561RS-4	COOK	27	25
<b>TC-16</b>		<b>CONTRACT NO.</b>	62F68	
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 =	USER NAME = Josephm	DESIGNED -	REVISED - R. MIRS 09-15-97
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI027\Drawings\Design\DistStd.dgn		CHECKED -	REVISED - R. MIRS 12-11-97
		DATE -	REVISED - T. RAMMACHER 02-02-99
			REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

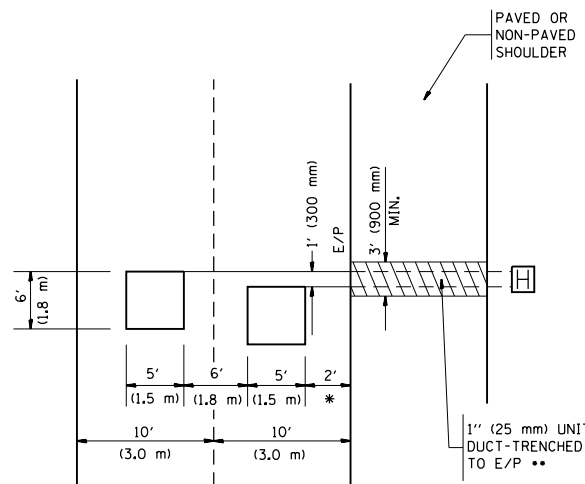
**ARTERIAL ROAD  
INFORMATION SIGN**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545/143	561RS-4	COOK	27	26
TC-22		CONTRACT NO. 62F68		
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.

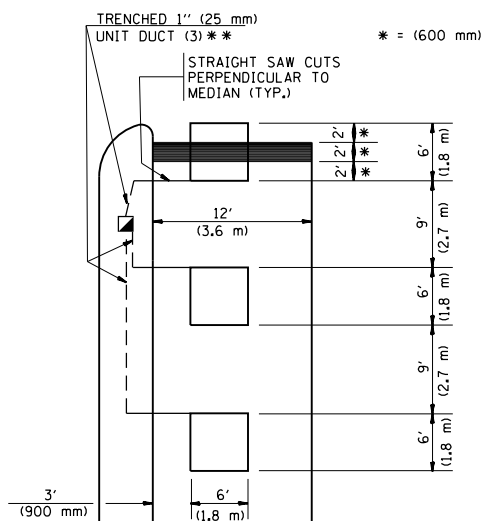


\* = (600 mm)

\*\* 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)**

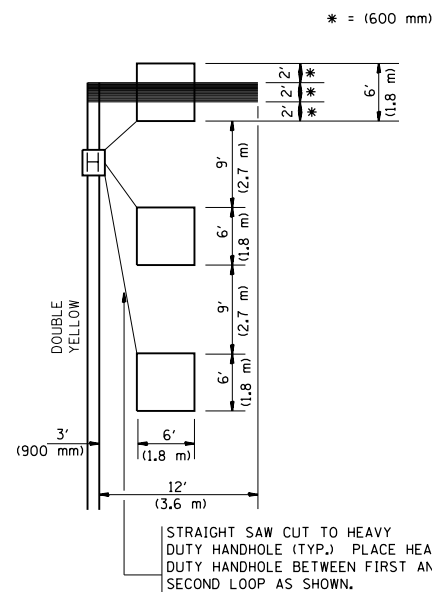
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



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

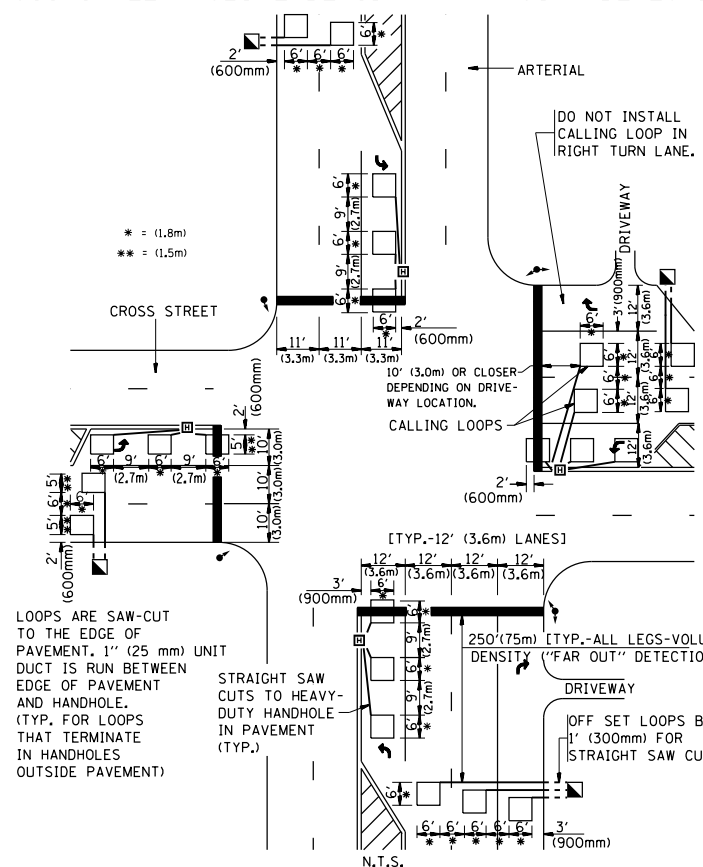
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



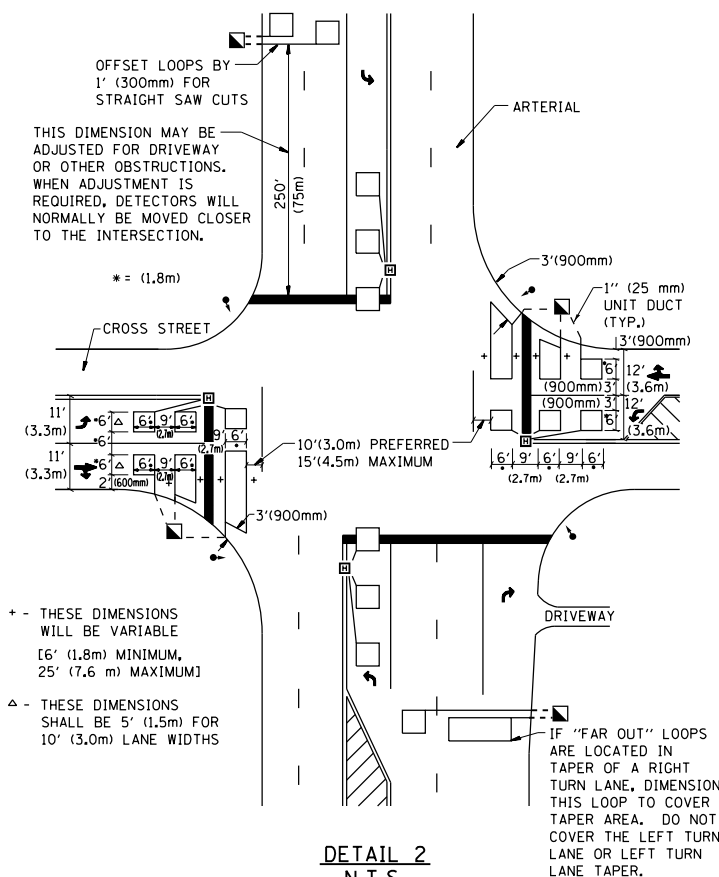
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**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 SEPARATELY. 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 =	USER NAME = Josephm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI027\Drawings\Design\DistStd.dgn		CHECKED - R.K.F.	REVISED -		3545/143	561RS-4	COOK	27	27			
PLOT SCALE = 100.0000' / 1".		DATE -	REVISED -		<b>TS-07</b>			<b>CONTRACT NO. 62F68</b>				
PLOT DATE = 2/2/2018			REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				