

11-09-2018 LETTING ITEM 006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2688	3349-RS-2	COOK	37*	1
ILLINOIS			CONTRACT NO. 62C71	

* 37 + 1 = 38 TOTAL SHEETS

FOR INDEX OF SHEETS, SEE SHEET NO.

PROJECT LOCATED IN THE VILLAGE
OF ORLAND PARK

PROPOSED HIGHWAY PLANS

F.A.U ROUTE 2688: IL. RTE. 7/US 6 (WOLF ROAD)
151st. STREET TO SOUTHWEST HWY
SECTION: 3349-RS-2
PROJECT: STP-JW2N(913)
RESURFACING (3P) & PEDESTRIAN RAMPS
COOK COUNTY
C-91-378-16



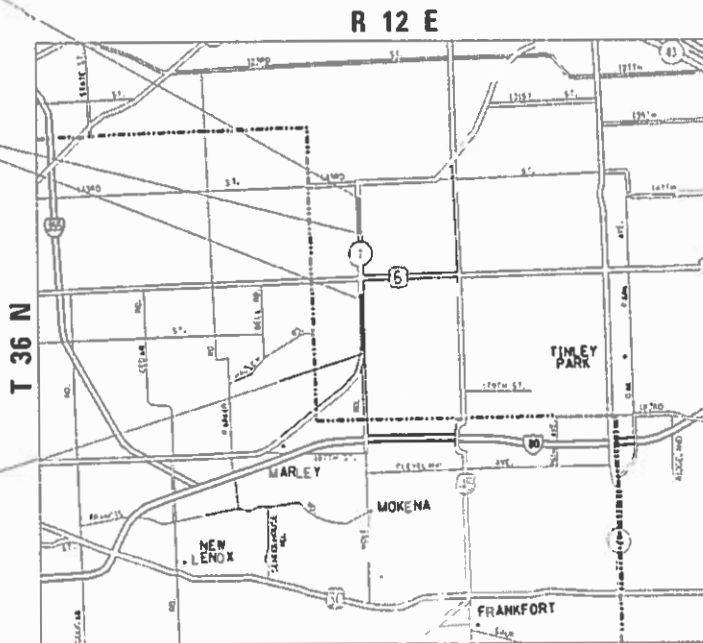
TRAFFIC DATA
2015 ADT = 17,200
SPEED LIMIT = 45 MPH

PROJECT ENDS
STATION 60 + 19

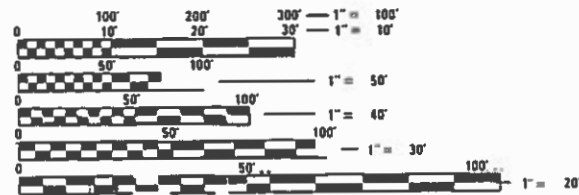
OMISSION FROM
STA. 85 + 32.63 TO STA. 19 + 09
STA. 17 + 98 TO STA. 32 + 13.5

STATION EQUATION:
STA. 106 + 21.04 = STA. 8 + 67.35

PROJECT BEGINS
STATION 5 + 83.3



ORLAND TOWNSHIP



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 ALAIN MIDY (847) 221-3056
PROJECT MANAGER ISSAM RAYYAN (847) 705-4178

IL RTE. 7/US6 - GROSS LENGTH = 15189.39 FT. = 2.87 MILE
IL RTE. 7/US6 - NET LENGTH = 10643.6 FT. = 2.02 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 13 2018
Anthony J. Pringle / MS REGIONAL ENGINEER
Oct 5 2018
ENGINEER OF DESIGN AND ENVIRONMENT
Oct 9 2018
Paul L. Chaf DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

CONTRACT NO. 62C71

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED)
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF ORLAND PARK.
3. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
4. THE CONTRACTOR SHALL CONTACT DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
5. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
6. UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE RESIDENT 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.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
8. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
9. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
10. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.
11. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
12. FOR FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING, REUSE EXISTING FRAME AND LID UNLESS OTHERWISE SPECIFIED IN THE PLANS.
13. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND 1 INCH WHERE THE SPEED LIMIT IS OVER 45 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 1V:3H.
14. 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.
15. THE RESIDENT ENGINEER SHALL CONTACT PATRICE HARRIS, IDOT AREA TRAFFIC FIELD TECHNICIAN VIA E-MAIL AT PATRICE.HARRIS@ILLINOIS.GOV, A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
16. 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 RESIDENT ENGINEER.
17. 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.
18. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY DETECTOR LOOPS DAMAGED DURING CONSTRUCTION.

STATE HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-10	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-03	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-03	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
604001-04	FRAMES AND LIDS TYPE 1
604091-03	FRAME AND GRATE TYPE 24
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701101-05	OFF-ROAD OPERATION, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEED ≥ 45 MPH
701011-04	OFF-RD 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
701502-08	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-07	TRAFFIC CONTROL DEVICES

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES
3-5	SUMMARY OF QUANTITIES
6-7	TYPICAL SECTIONS
8-13	ROADWAY AND PAVEMENT MARKING PLANS
14-21	PROPOSED SIDEWALK RAMP DETAILS
22-25	DETECTOR LOOP REPLACEMENT PLANS
26	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-08)
27	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
28	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
29	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
30	DETAILS FOR DEPRESSED CURB & GUTTER AND SHOULDER TREATMENT AT TBY TY 1 SPL. (BD-34)
31	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
32	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)
33	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
34	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
35	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)
36	ARTERIAL ROAD INFORMATION SIGN (TC-22)
37	DISTRICT ONE DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL. ROUTE 7 (WOLF ROAD) (151ST STREET TO NORTH OF 158TH STREET)
INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2688	3349-RS-2	COOK	37	2
CONTRACT NO. 62C71			ILLINOIS FED. AID PROJECT	

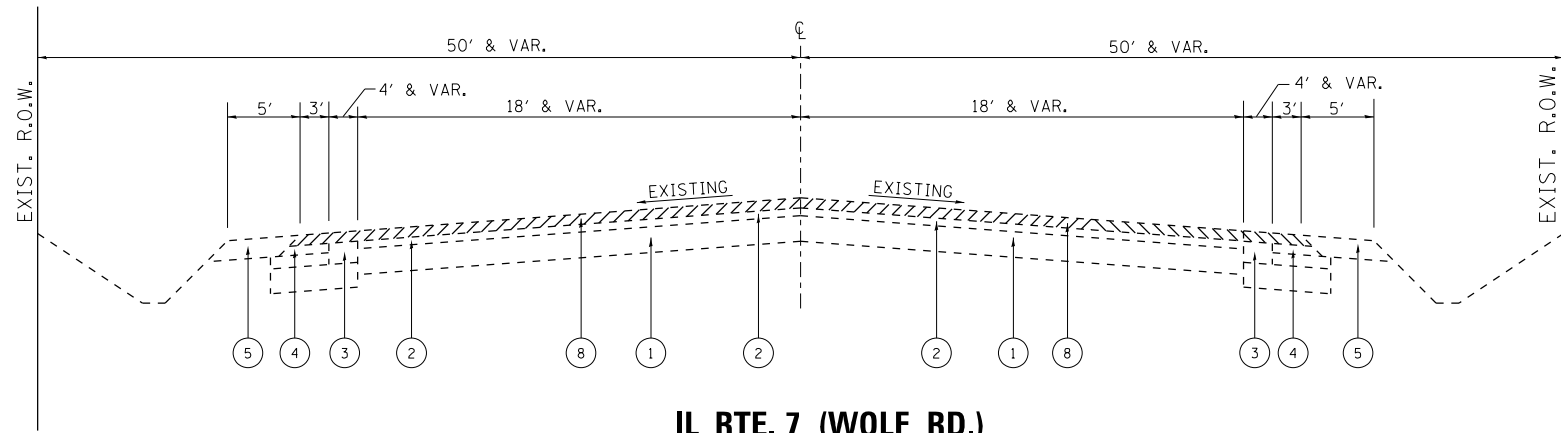
SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		80% FED 20% STATE 0005				
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	66	66				
20200100	EARTH EXCAVATION	CU YD	24	24				
20400800	FURNISHED EXCAVATION	CU YD	240	240				
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	176	176				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	461	461				
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	9.3	9.3				
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	9.3	9.3				
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	9.3	9.3				
25200110	SODDING, SALT TOLERANT	SO YD	461	461				
25200200	SUPPLEMENTAL WATERING	UNIT	1	1				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	35468	35468				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	79	79				
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	2168	2168				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	428	428				

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		80% FED 20% STATE 0005				
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	4414	4414				
42001300	PROTECTIVE COAT	SO YD	124	124				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	910	910				
* 42400800	DETECTABLE WARNINGS	SO FT	153	153				
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	52545	52545				
44000600	SIDEWALK REMOVAL	SO FT	900	900				
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SO YD	768	768				
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SO YD	700	700				
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SO YD	585	585				
48101620	AGGREGATE SHOULDERS, TYPE B 10"	SO YD	60	60				
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	3688	3688				
60266600	VALVE BOXES TO BE ADJUSTED	EACH	1	1				
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	171	171				

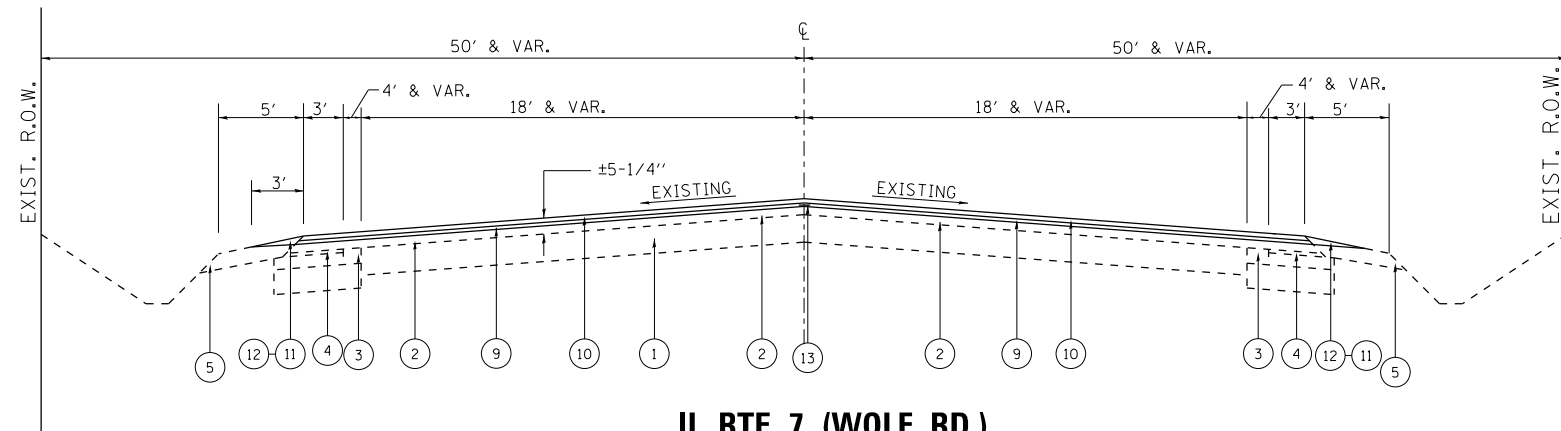
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SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		80% FED 20% STATE 0005				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	2751	2751				
	6"							
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	1492	1492				
	12"							
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	380	380				
	24"							
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	596	596				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	596	596				
88600600	DETECTOR LOOP REPLACEMENT	FOOT	1846	1846				
K0026700	TREE CARE	EACH	20	20				
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1				
X0325222	WEED CONTROL, BASAL TREATMENT	GALLON	10	10				
X2010350	TREE REMOVAL, ACRES (SPECIAL)	ACRE	1.45	1.45				
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	243	243				
* * X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	225	225				
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	4	4				

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		80% FED 20% STATE 0005				
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	23878	23878				
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	72	72				
* * Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	7	7				
Z0018600	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	EACH	1	1				
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	205.6	205.6				
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	21287	21287				
Z0064800	SELECTIVE CLEARING	UNIT	6	6				
X5537900	STORM SEWER TO BE CLEANED 15"	FOOT	261	261				



IL RTE. 7 (WOLF RD.)
EXISTING TYPICAL SECTION
 Sta. 19+09 to Sta. 60+19



IL RTE. 7 (WOLF RD.)
PROPOSED TYPICAL SECTION
 Sta. 19+09 to Sta. 60+19

LEGEND

- ① EXIST. P.C.C. PAVEMENT ±9"
- ② EXIST. HOT-MIX ASPHALT PAVEMENT AFTER MILLING ± 4"
- ③ EXIST. HOT-MIX ASPHALT BINDER COURSE, 11"
- ④ EXIST. HOT-MIX ASPHALT SHOULDERS, ±7"
- ⑤ EXIST. AGGREGATE SHOULDER
- ⑥ EXIST. PCC BASE COURSE WIDENING, 9"
- ⑦ EXIST. AGGREGATE SUBGRADE, 12"
- ⑧ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- ⑨ PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑩ PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ⑪ PROP. GRADING AND SHAPING SHOULDERS
- ⑫ PROP. AGGREGATE WEDGE SHOULDERS, TYPE B
- ⑬ PROP. LONGITUDINAL JOINT SEALANT (TO BE PLACED OVER THE POLY. LEVELING BINDER (MM) IL-4.75, N50 WHERE SURFACE MIX JOINT WILL BE LOCATED.)

THE CONTRACTOR SHALL MILL FIRST THEN PATCH

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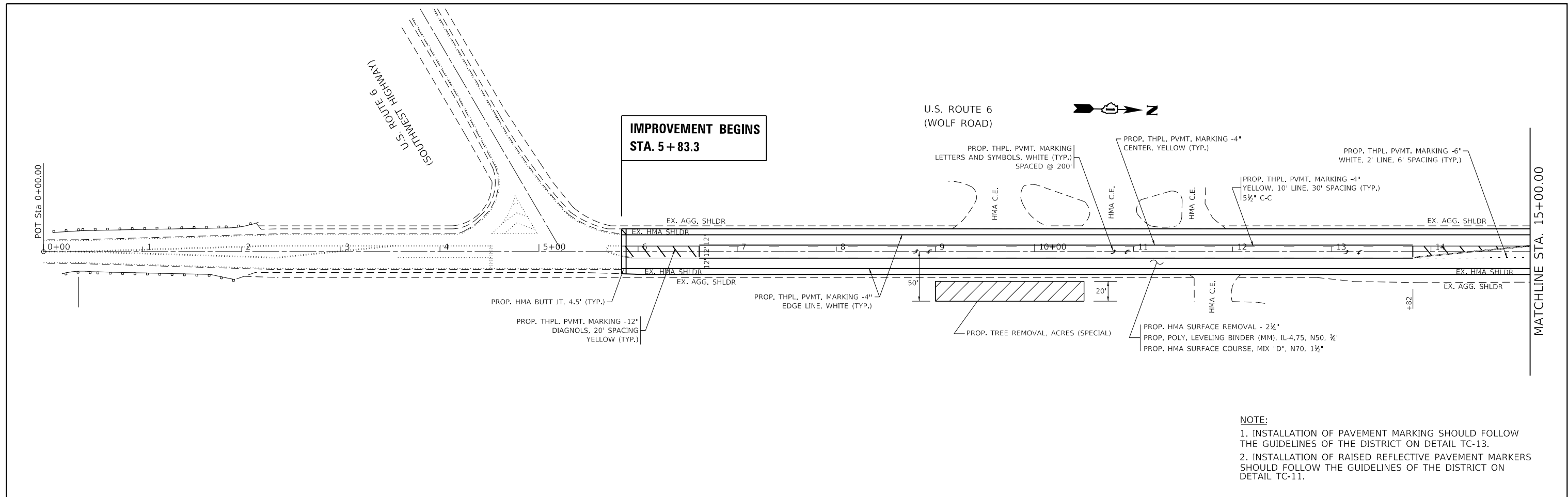
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

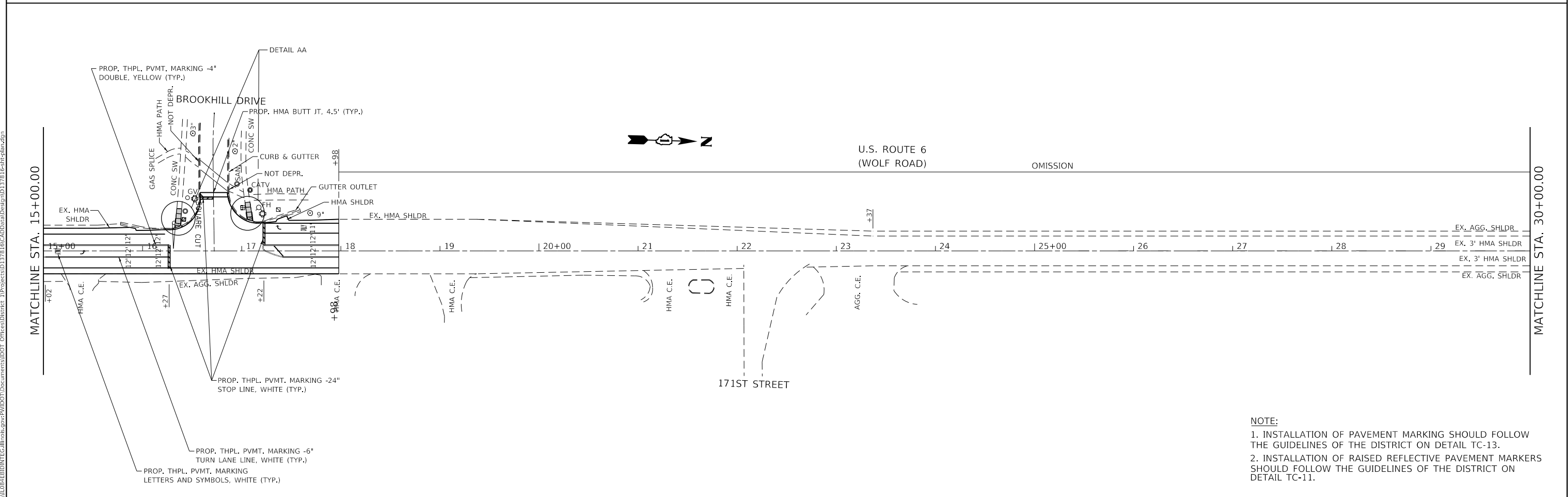
EXISTING & PROPOSED TYPICAL SECTIONS
IL. ROUTE 7 (WOLF ROAD) (151ST STREET TO NORTH OF 158TH STREET)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 2688	SECTION 3349-RS-2	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 7
			CONTRACT NO. 62C71	
		ILLINOIS	FED. AID PROJECT	



NOTE:
 1. INSTALLATION OF PAVEMENT MARKING SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-13.
 2. INSTALLATION OF RAISED REFLECTIVE PAVEMENT MARKERS SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-11.



NOTE:
 1. INSTALLATION OF PAVEMENT MARKING SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-13.
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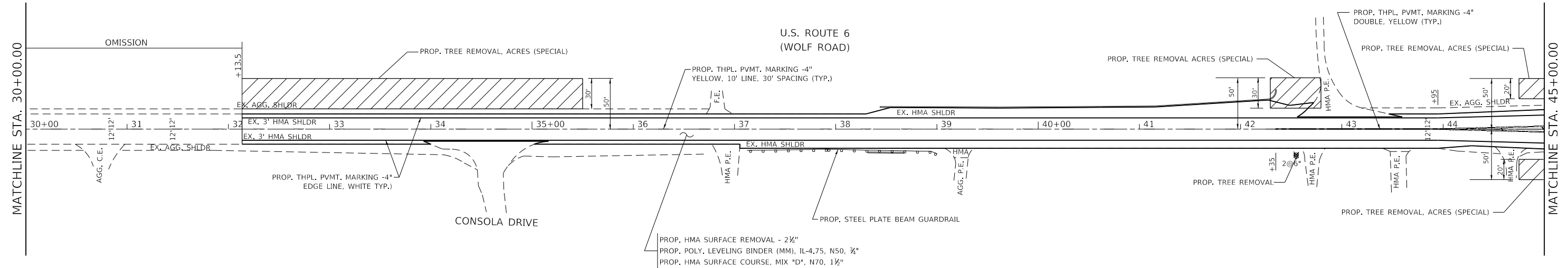
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
U.S. ROUTE 6 (WOLF ROAD) (159TH STREET TO SOUTHWEST HIGHWAY)**

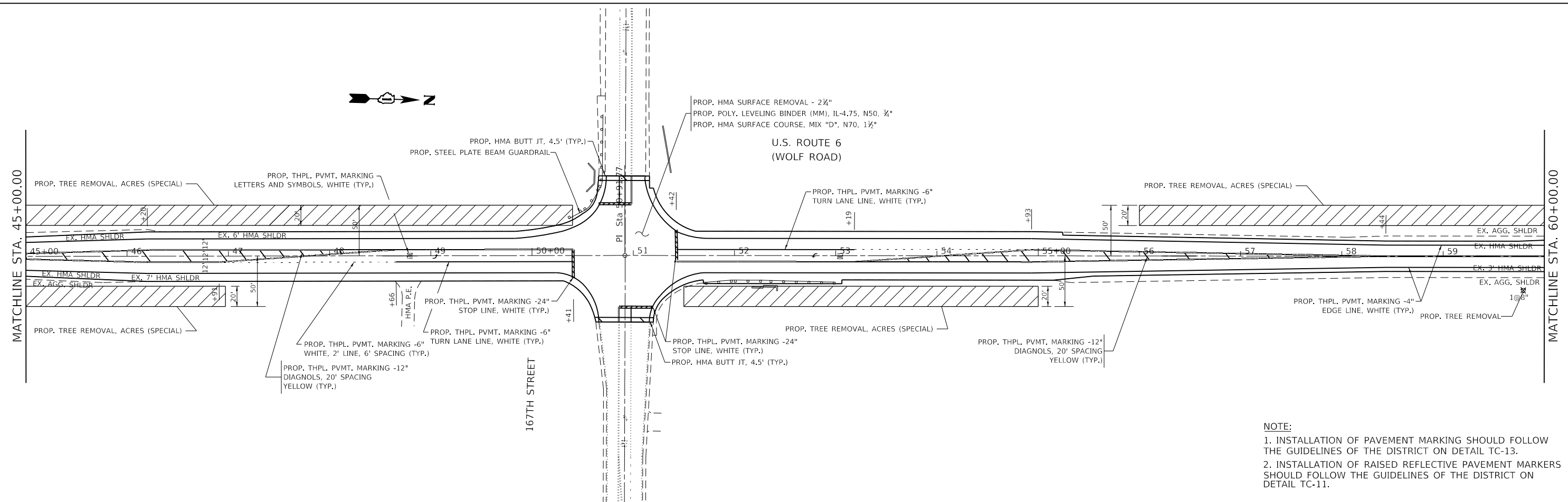
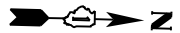
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F.A.U. RTE. 2688	SECTION 3349-RS-2	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 8
				CONTRACT NO. 62C71
		ILLINOIS FED. AID PROJECT		



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

NOTE:
 1. INSTALLATION OF PAVEMENT MARKING SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-13.
 2. INSTALLATION OF RAISED REFLECTIVE PAVEMENT MARKERS SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-11.



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

NOTE:
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 2. INSTALLATION OF RAISED REFLECTIVE PAVEMENT MARKERS SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-11.

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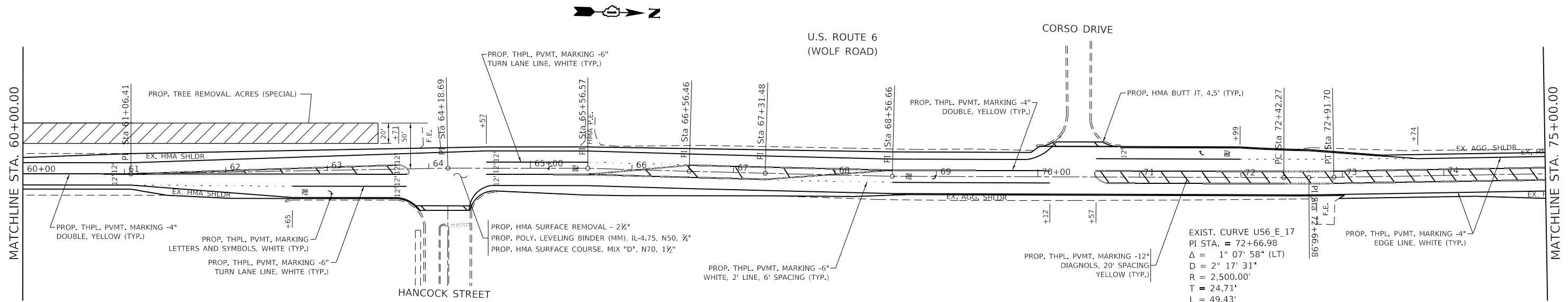
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 U.S. ROUTE 6 (WOLF ROAD) (159TH STREET TO SOUTHWEST HIGHWAY)**

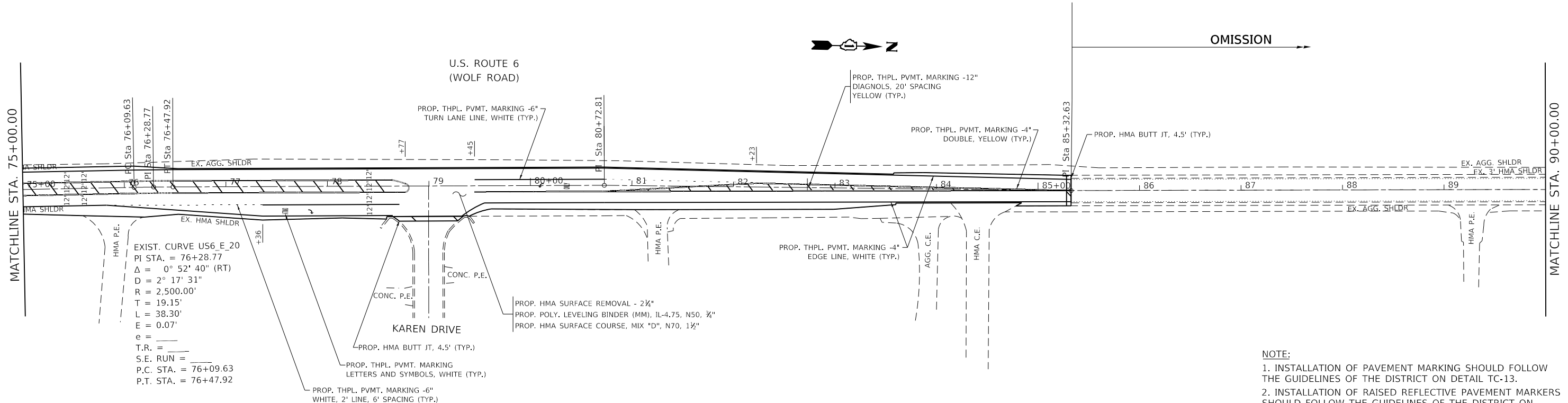
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CONTRACT NO. 62C71				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



EXIST. CURVE US6_E_17
 PI STA. = 72+66.98
 $\Delta = 1^\circ 07' 58''$ (LT)
 $D = 2^\circ 17' 31''$
 $R = 2,500.00'$
 $T = 24.71'$
 $L = 49.43'$
 $E = 0.12'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 72+42.27$
 $P.T. STA. = 72+91.70$

NOTE:
 1. INSTALLATION OF PAVEMENT MARKING SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-13.
 2. INSTALLATION OF RAISED REFLECTIVE PAVEMENT MARKERS SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-11.



EXIST. CURVE US6_E_20
 PI STA. = 76+28.77
 $\Delta = 0^\circ 52' 40''$ (RT)
 $D = 2^\circ 17' 31''$
 $R = 2,500.00'$
 $T = 19.15'$
 $L = 38.30'$
 $E = 0.07'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 76+09.63$
 $P.T. STA. = 76+47.92$

NOTE:
 1. INSTALLATION OF PAVEMENT MARKING SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-13.
 2. INSTALLATION OF RAISED REFLECTIVE PAVEMENT MARKERS SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-11.

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	DATE -	REVISED -

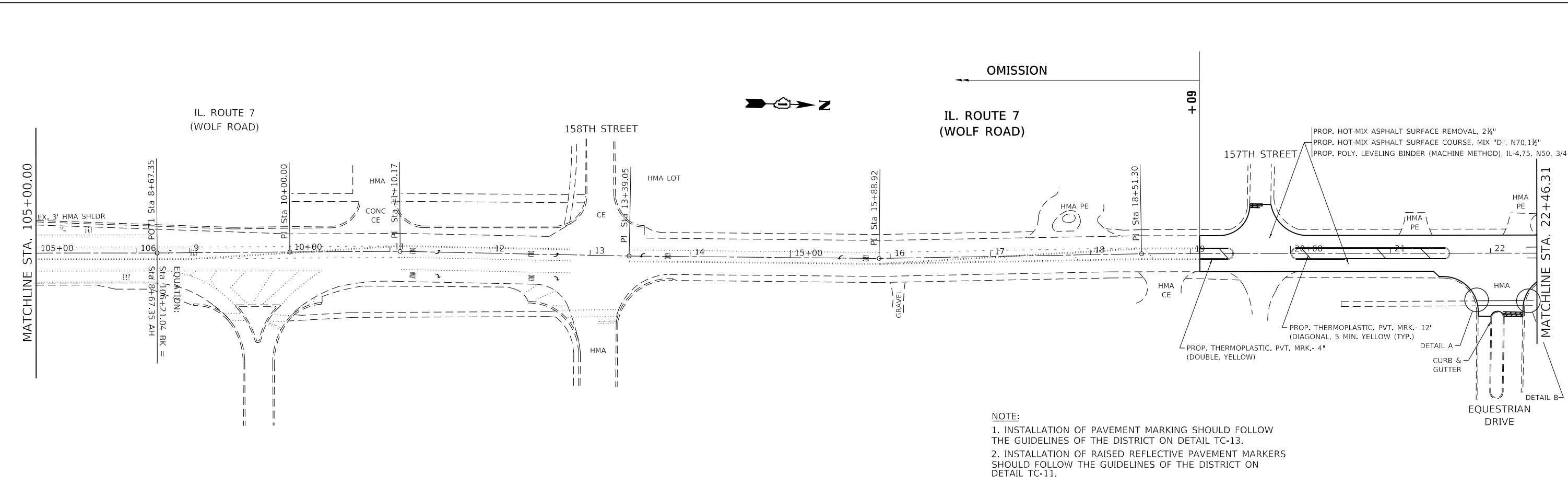
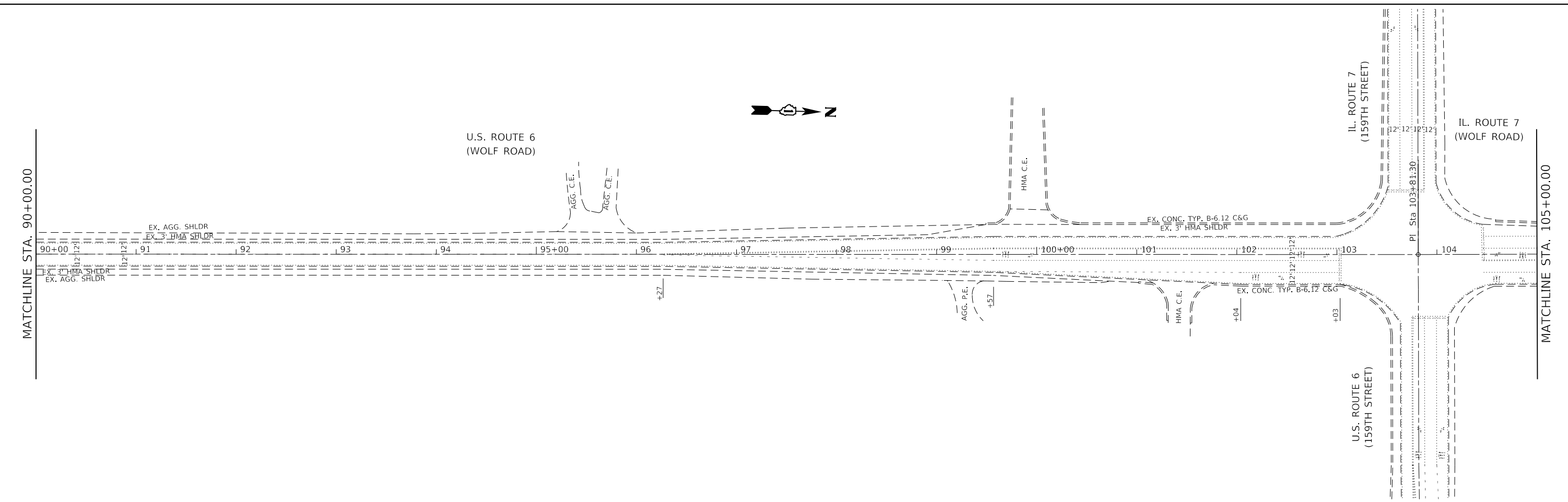
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 U.S. ROUTE 6 (WOLF ROAD) (159TH STREET TO SOUTHWEST HIGHWAY)**

F.A.U. RTE. 2688	SECTION 3349-RS-2	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 10
CONTRACT NO. 62C71				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

MODEL: Default
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NOTE:
 1. INSTALLATION OF PAVEMENT MARKING SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-13.
 2. INSTALLATION OF RAISED REFLECTIVE PAVEMENT MARKERS SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-11.

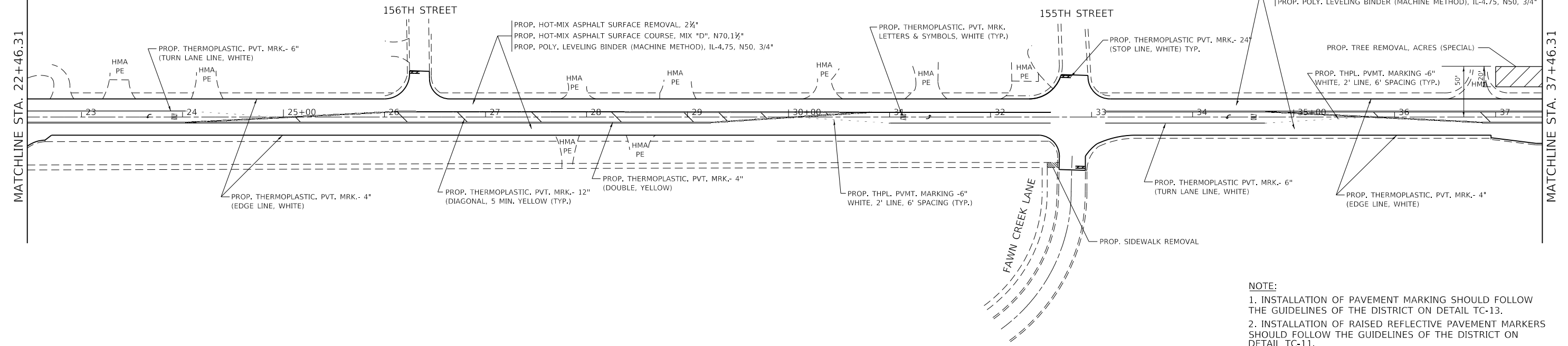
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PLOT SCALE = 100,1549' / In.	DRAWN -	REVISED -
PLOT DATE = 8/10/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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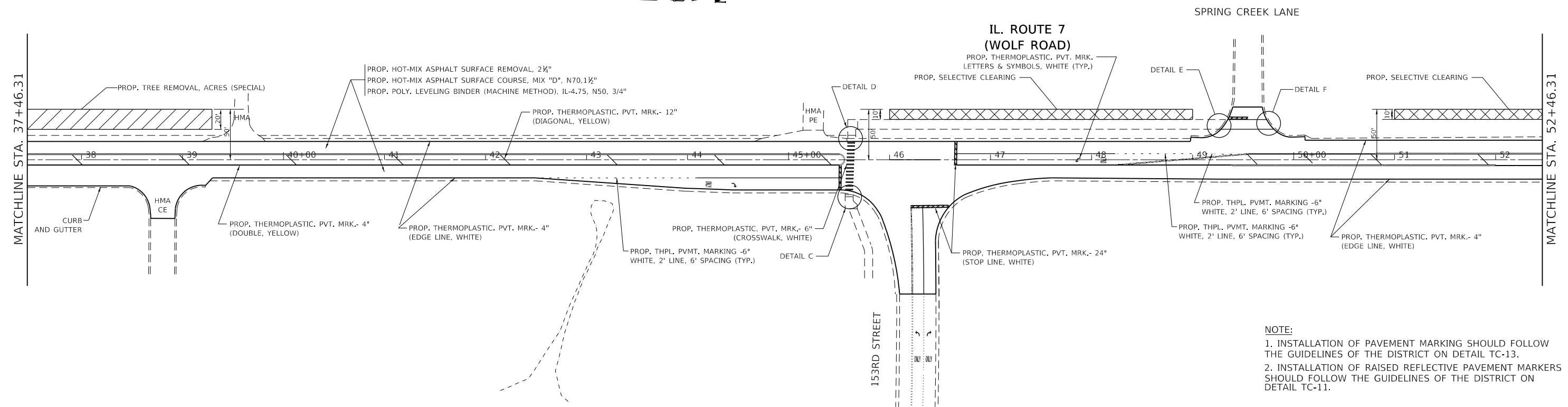
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2688	3349-R5-2	COOK	37	11
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

IL. ROUTE 7
(WOLF ROAD)



NOTE:
 1. INSTALLATION OF PAVEMENT MARKING SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-13.
 2. INSTALLATION OF RAISED REFLECTIVE PAVEMENT MARKERS SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-11.

IL. ROUTE 7
(WOLF ROAD)



NOTE:
 1. INSTALLATION OF PAVEMENT MARKING SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-13.
 2. INSTALLATION OF RAISED REFLECTIVE PAVEMENT MARKERS SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-11.

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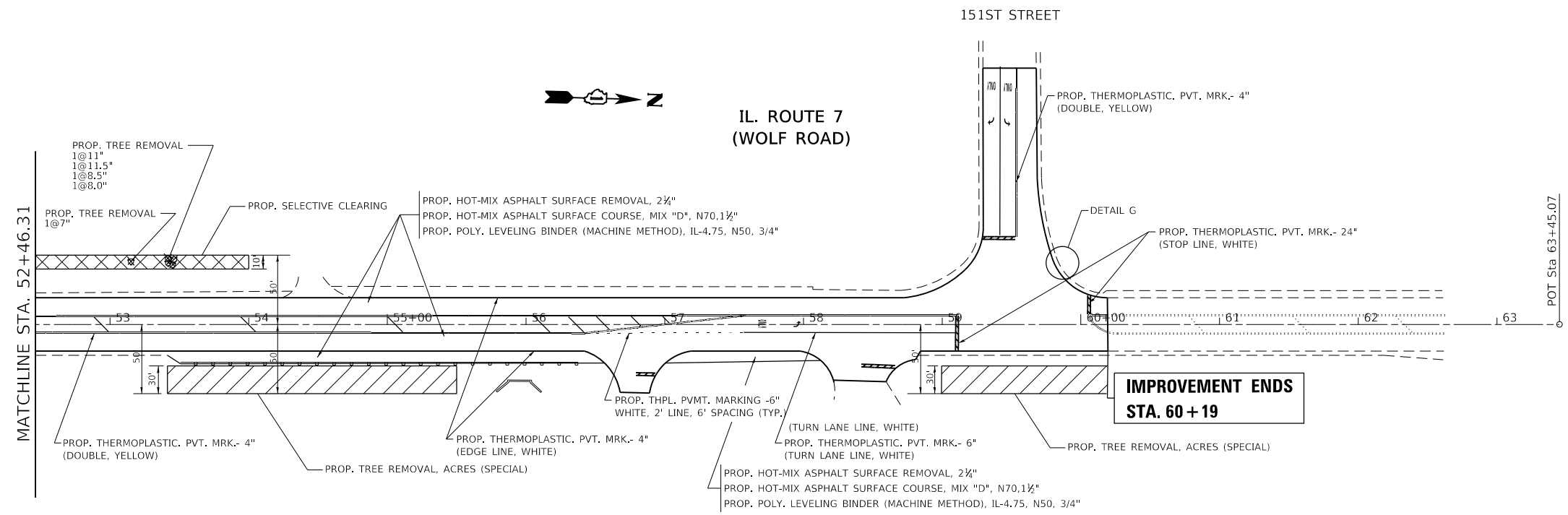
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PLOT DATE = 8/10/2018	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
IL. ROUTE 7 (WOLF ROAD) (151ST STREET TO NORTH OF 158TH STREET)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 2688	SECTION 3349-R5-2	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 12
CONTRACT NO. 62C71				
ILLINOIS FED. AID PROJECT				



NOTE:
 1. INSTALLATION OF PAVEMENT MARKING SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-13.
 2. INSTALLATION OF RAISED REFLECTIVE PAVEMENT MARKERS SHOULD FOLLOW THE GUIDELINES OF THE DISTRICT ON DETAIL TC-11.

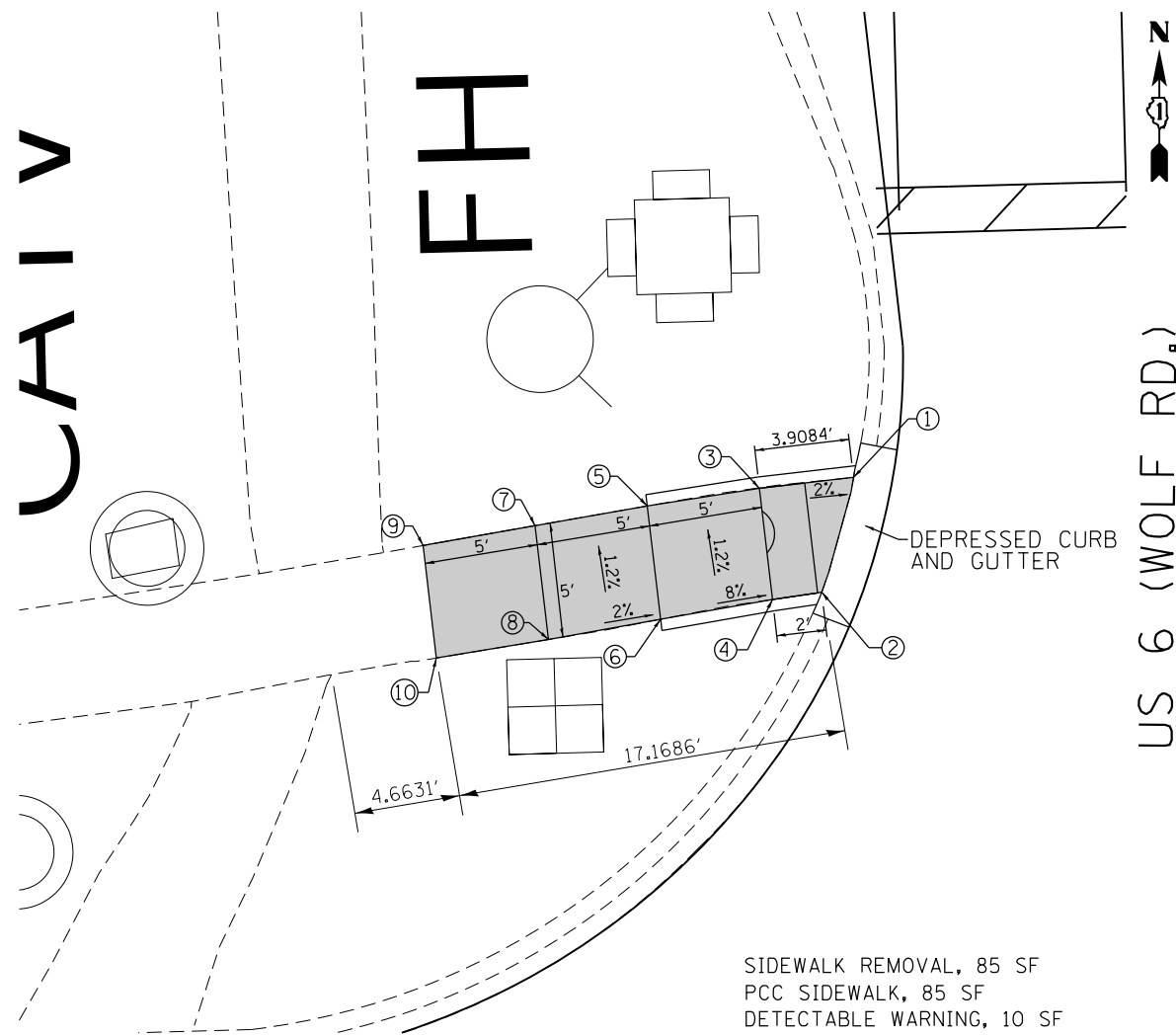
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USER NAME = abebawa	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 8/10/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN			
IL. ROUTE 7 (WOLF ROAD) (151ST STREET TO NORTH OF 158TH STREET)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

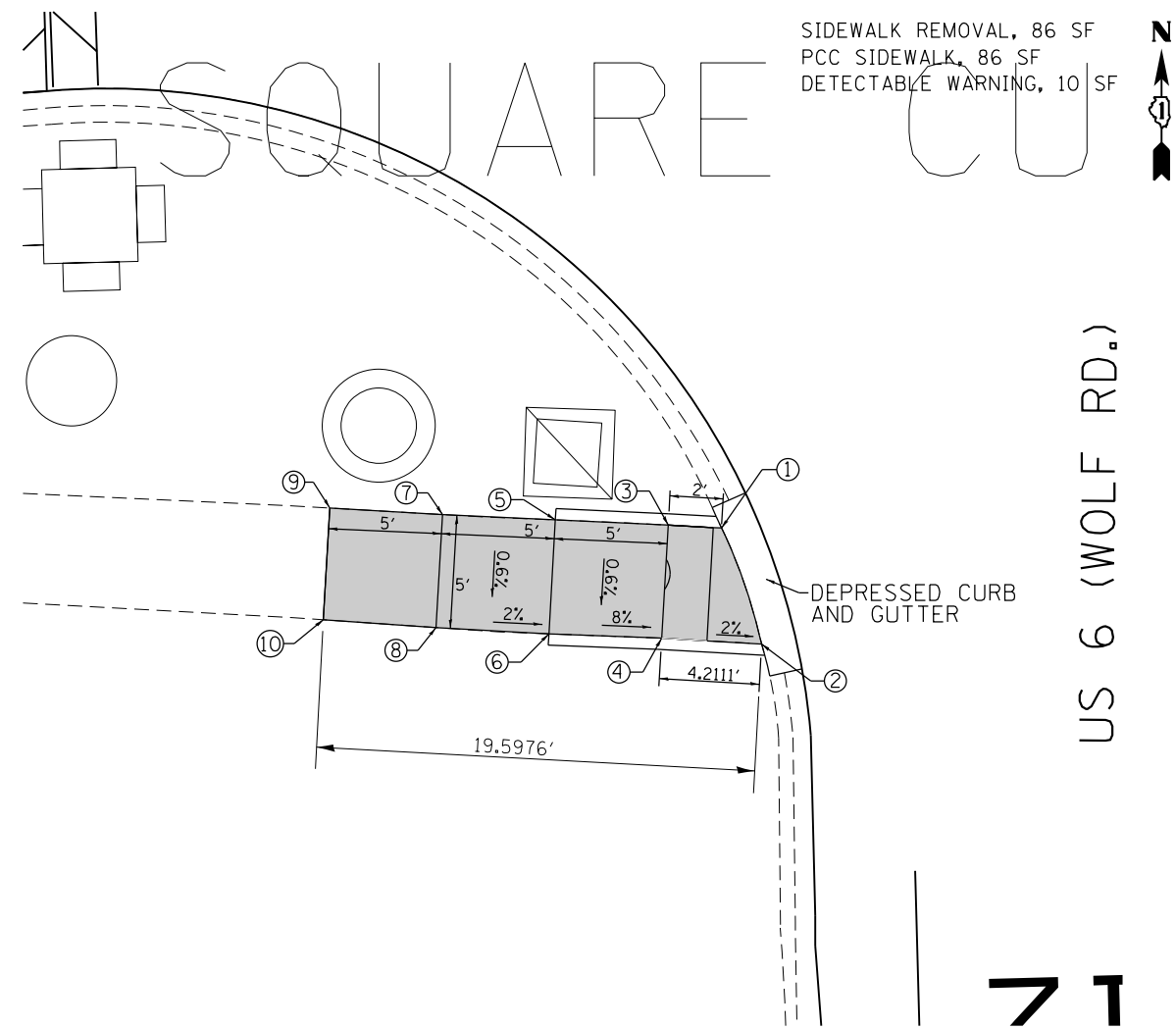
F.A.U. RTE. 2688	SECTION 3349-R5-2	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 13
CONTRACT NO. 62C71				
ILLINOIS FED. AID PROJECT				



SIDEWALK REMOVAL, 85 SF
 PCC SIDEWALK, 85 SF
 DETECTABLE WARNING, 10 SF

NORTH CORNER
 US 6 (WOLF RD.) AND BROOK HILL DR.

ADA RAMP ELEVATION TABLE			
POINT NO.:	ELEVATION	POINT NO.:	ELEVATION
1	676.414	6	676.954
2	676.514	7	676.992
3	676.492	8	677.054
4	676.554	9	677.5898
5	676.892	10	677.4931



SIDEWALK REMOVAL, 86 SF
 PCC SIDEWALK, 86 SF
 DETECTABLE WARNING, 10 SF

SOUTH CORNER
 US 6 (WOLF RD.) AND BROOK HILL DR.

ADA RAMP ELEVATION TABLE			
POINT NO.:	ELEVATION	POINT NO.:	ELEVATION
1	676.857	6	677.269
2	676.785	7	677.397
3	676.897	8	677.369
4	676.869	9	677.9405
5	677.297	10	677.9909

REFERENCE BENCHMARK ELEV 678.22

BENCHMARK : SQUARE CUT IN N. CONC. BASE OF LIGHT POLE IN THE S.W. CORNER OF WOLF RD. & BROOKHILL

LOCATION : 50 FT WEST OF US 6 (WOLF RD.)

LEGEND

xx.xx'

EXISTING LENGTH

==

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
 REPLACE W/TOPSOIL & SOD

MODEL: Default
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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/10/2018	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

US 6 (WOLF ROAD)
 ADA RAMP DETAILS

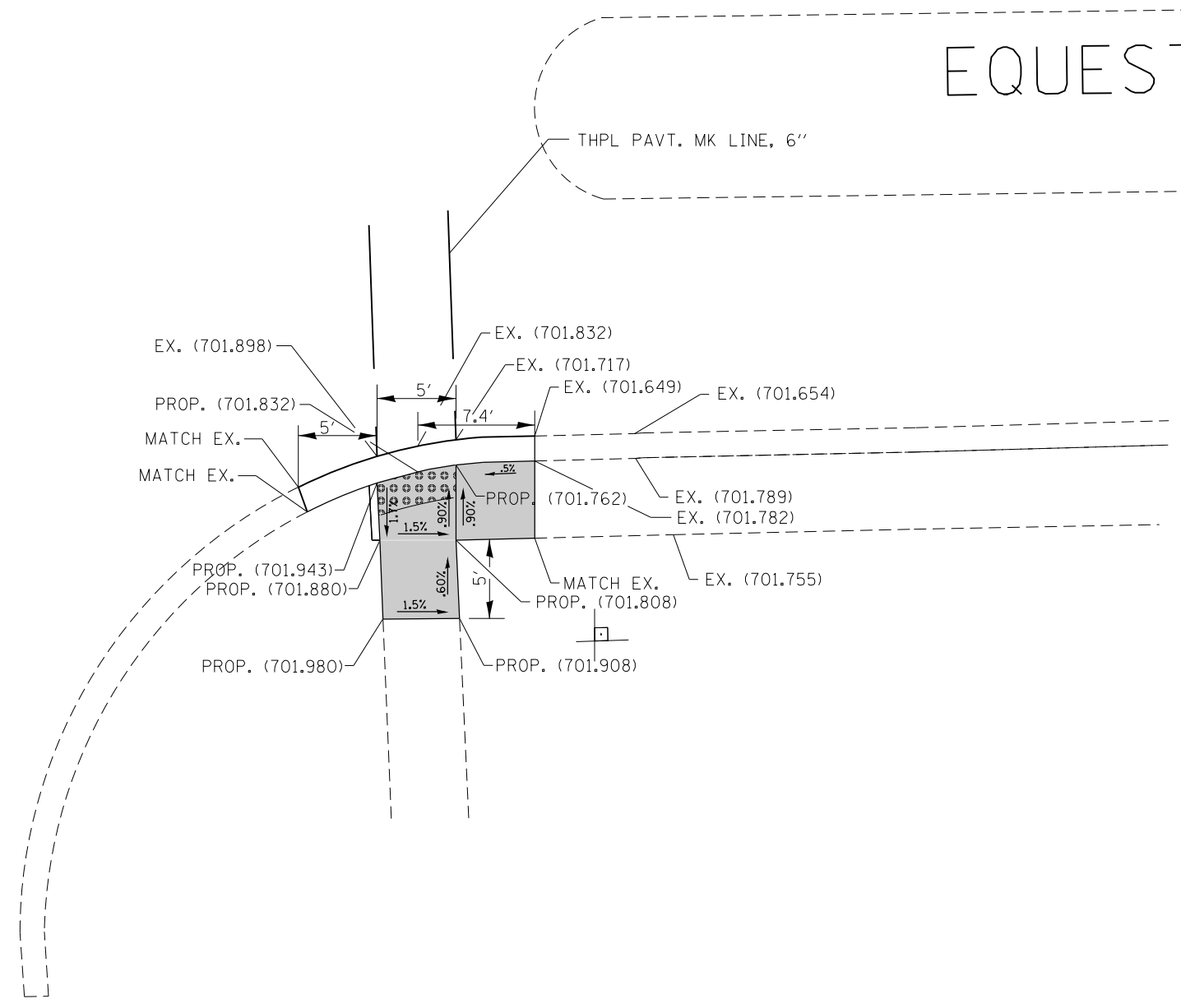
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2688	3349-R5-2	COOK	37	14
CONTRACT NO. 62C71				
ILLINOIS FED. AID PROJECT				



22+00

EQUESTRIAN DR.



REFERENCE BENCHMARK ELEV. = 705.42

BENCHMARK : "X" IN E. BOLT OF FIRE HYDRANT IN THE N.E. CORNER OF WOLF RD. AND EQUESTRIAN DR.

LOCATION: ON SOUTHEAST CORNER OF WOLF RD AND EQUESTRIAN DR.

LEGEND

xx.xx'

EXISTING LENGTH

=====

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV. = 705.42

BENCHMARK : "X" IN E. BOLT OF FIRE HYDRANT IN THE N.E. CORNER OF WOLF RD. AND EQUESTRIAN DR.

LOCATION: ON SOUTHEAST CORNER OF WOLF RD AND EQUESTRIAN DR.

FILE NAME =	USER NAME = obebowo	DESIGNED -	REVISED -
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Default	PLOT SCALE = 10.0064' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/10/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

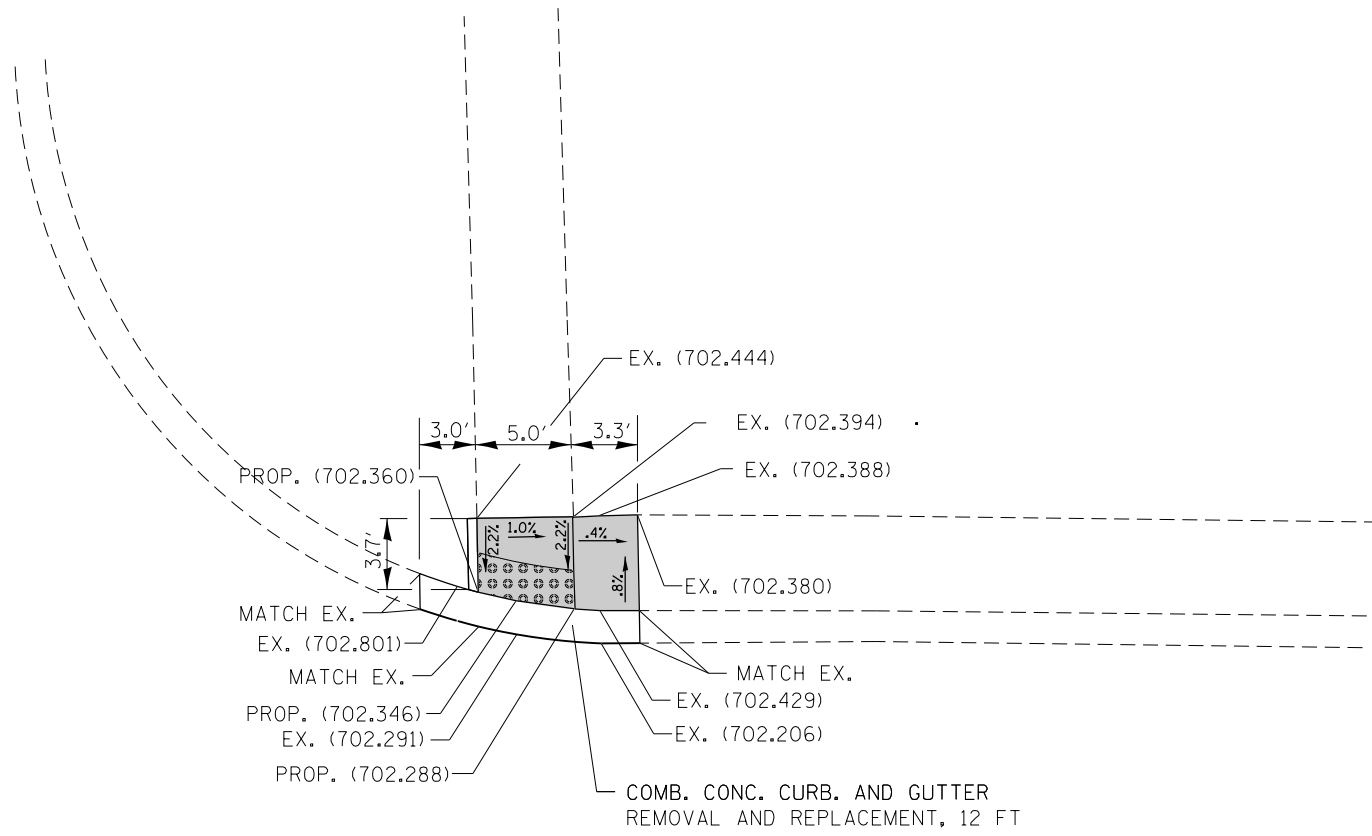
**SIDEWALK DETAIL A
IL. ROUTE 7 AT EQUESTRIAN DRIVE - SOUTH EAST CORNER**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2688	3349-R5-2	COOK	37	15
CONTRACT NO. 62C71				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



22+00



EQUESTRIAN DR.

REFERENCE BENCHMARK ELEV. = 705.42

BENCHMARK : "X" IN E. BOLT OF FIRE HYDRANT IN THE N.E. CORNER OF WOLF RD. AND EQUESTRIAN DR.

LOCATION: ON NORTHEAST CORNER OF WOLF RD AND EQUESTRIAN DR.

LEGEND



EXISTING LENGTH



PROPOSED SIDE CURB



EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV. = 705.42

BENCHMARK : "X" IN E. BOLT OF FIRE HYDRANT IN THE N.E. CORNER OF WOLF RD. AND EQUESTRIAN DR.

LOCATION: ON NORTHEAST CORNER OF WOLF RD AND EQUESTRIAN DR.

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -
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Default	PLOT DATE = 8/10/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

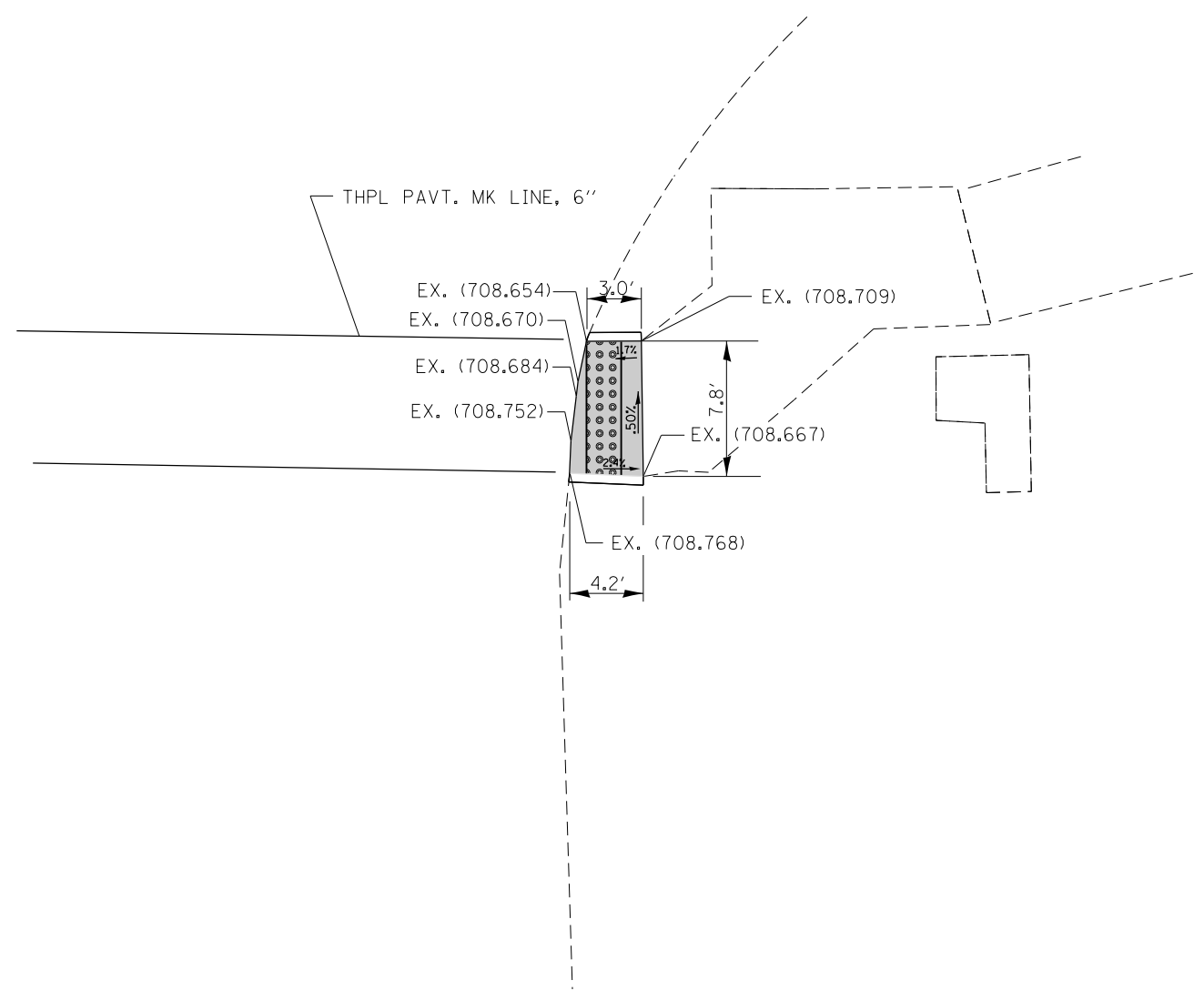
**SIDEWALK DETAIL B
IL. ROUTE 7 AT EQUESTRIAN DRIVE - NORTH EAST CORNER**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2688	3349-R5-2	COOK	37	16
CONTRACT NO. 62C71			ILLINOIS FED. AID PROJECT	



45+00



REFERENCE BENCHMARK ELEV. = 710.24

BENCHMARK: CHISELED SQUARE IN THE N.W. CORNER OF CONC. BASE OF TRAFFIC CONTROL BOX IN THE S.E. CORNER OF WOLF RD. & 153rd St.
 LOCATION: ON SOUTHEAST CORNER OF WOLF RD AND 153rd St.

LEGEND

xx.xx'

EXISTING LENGTH

====

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV. = 710.24

BENCHMARK: CHISELED SQUARE IN THE N.W. CORNER OF CONC. BASE OF TRAFFIC CONTROL BOX IN THE S.E. CORNER OF WOLF RD. & 153rd St.
 LOCATION: ON SOUTHEAST CORNER OF WOLF RD AND 153rd St.

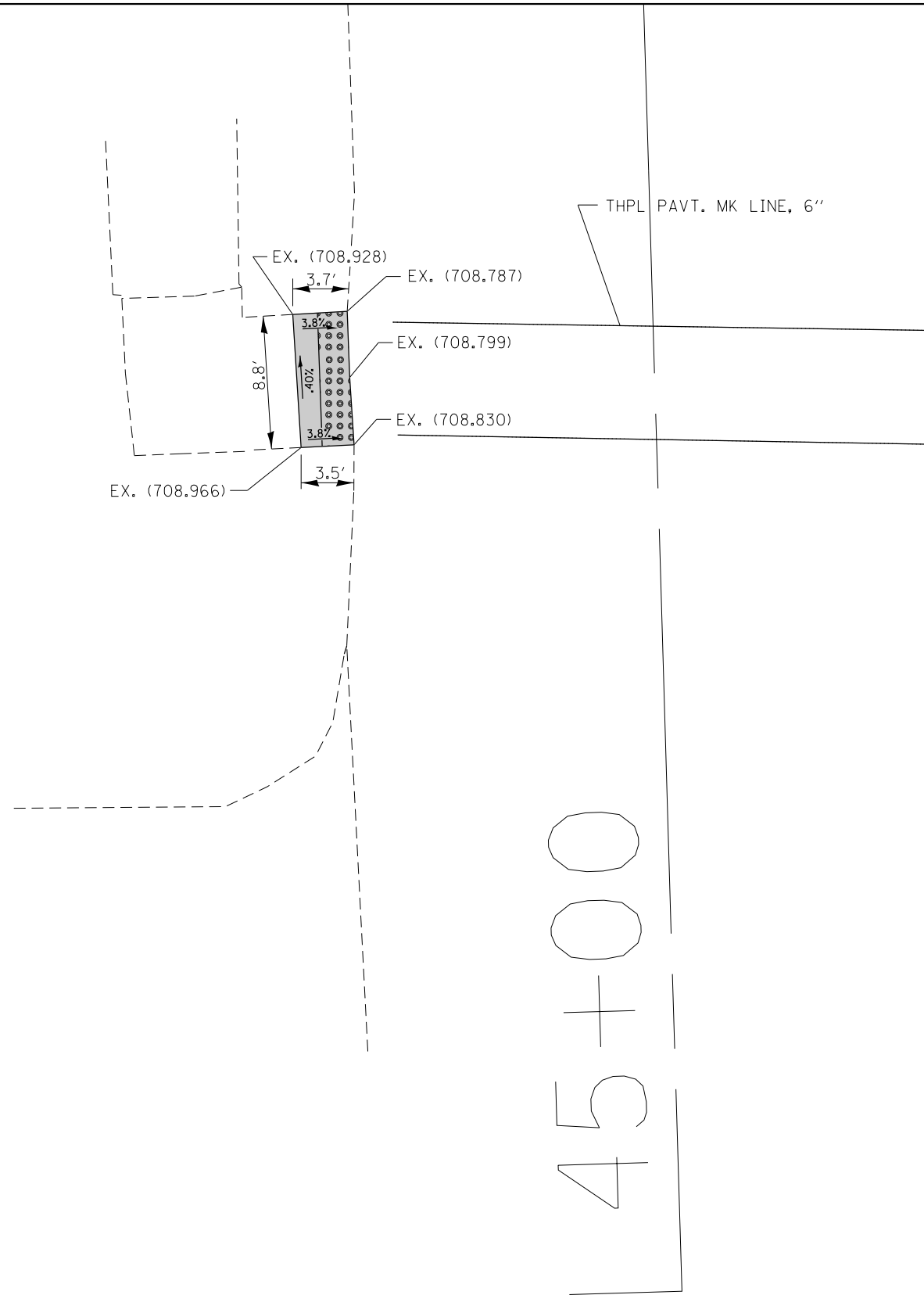
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Default	PLOT DATE = 8/10/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAIL C
IL. ROUTE 7 AT 153RD STREET - SOUTH EAST CORNER**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2688	3349-R5-2	COOK	37	17
				CONTRACT NO. 62C71
ILLINOIS FED. AID PROJECT				



45+00

REFERENCE BENCHMARK ELEV. = 710.24

BENCHMARK: CHISELED SQUARE IN THE N.W. CORNER OF CONC. BASE OF TRAFFIC CONTROL BOX IN THE S.E. CORNER OF WOLF RD. & 153rd St.
 LOCATION: ON SOUTHWEST CORNER OF WOLF RD AND 153rd St.

LEGEND

xx.xx'

EXISTING LENGTH

====

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
 REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV. = 710.24

BENCHMARK: CHISELED SQUARE IN THE N.W. CORNER OF CONC. BASE OF TRAFFIC CONTROL BOX IN THE S.E. CORNER OF WOLF RD. & 153rd St.
 LOCATION: ON SOUTHWEST CORNER OF WOLF RD AND 153rd St.

USER NAME = abebawo	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 8/10/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

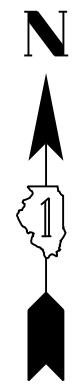
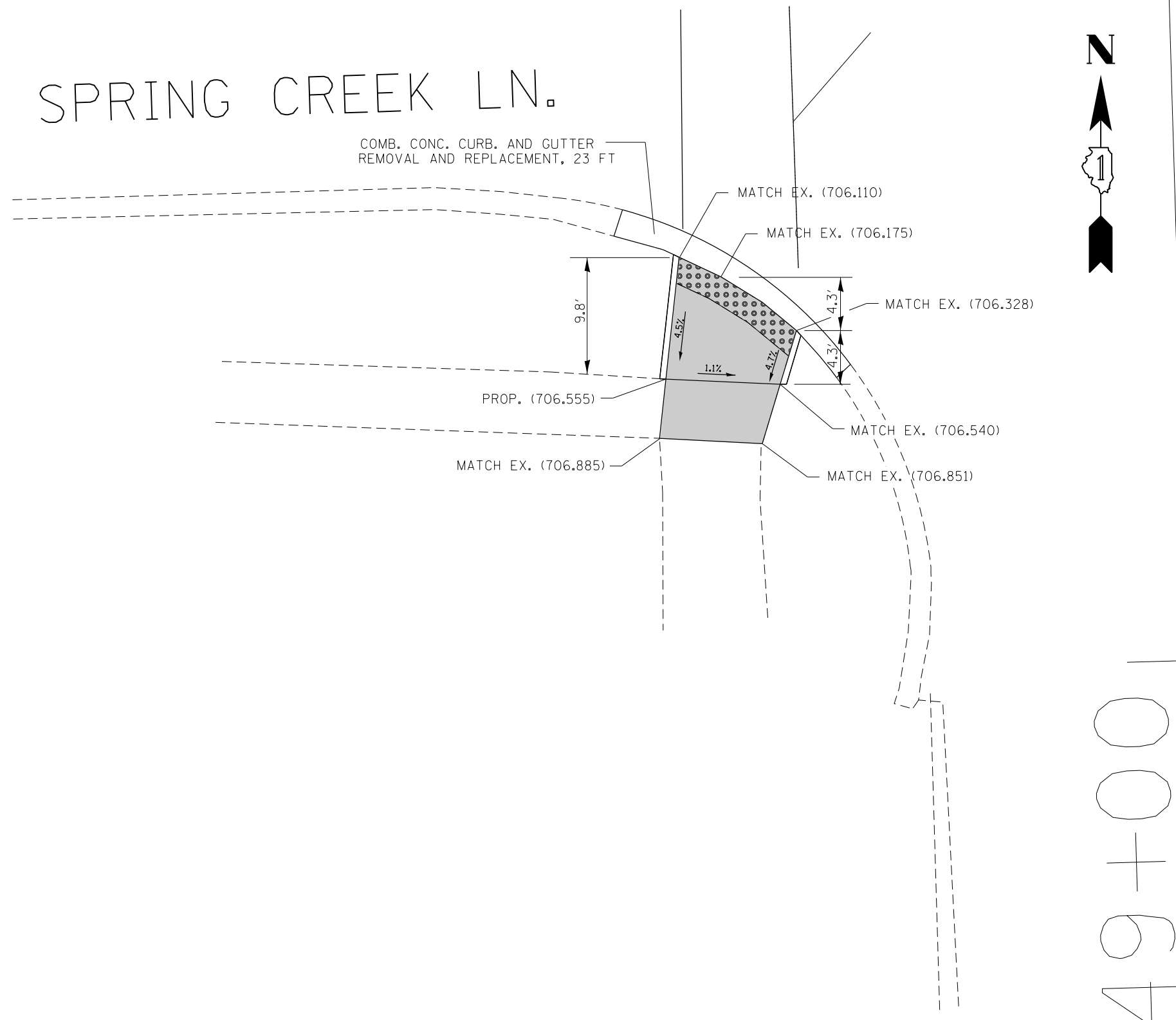
**SIDEWALK DETAIL D
 IL. ROUTE 7 AT 153RD STREET - SOUTH WEST CORNER**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2688	3349-R5-2	COOK	37	18
CONTRACT NO. 62C71				
ILLINOIS FED. AID PROJECT				

SPRING CREEK LN.

COMB. CONC. CURB AND GUTTER
REMOVAL AND REPLACEMENT, 23 FT



49+00

REFERENCE BENCHMARK ELEV. = 710.24

BENCHMARK: CHISELED SQUARE IN THE N.W. CORNER OF CONC. BASE OF
TRAFFIC CONTROL BOX IN THE S.E. CORNER OF WOLF RD. & 153rd St.
LOCATION: ON SOUTHWEST CORNER OF WOLF RD AND SPRING CREEK LN.

LEGEND

xx.xx'

EXISTING LENGTH

====

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV. = 710.24

BENCHMARK: CHISELED SQUARE IN THE N.W. CORNER OF CONC. BASE OF
TRAFFIC CONTROL BOX IN THE S.E. CORNER OF WOLF RD. & 153rd St.
LOCATION: ON SOUTHWEST CORNER OF WOLF RD AND SPRING CREEK LN.

USER NAME = obebawa	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/10/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

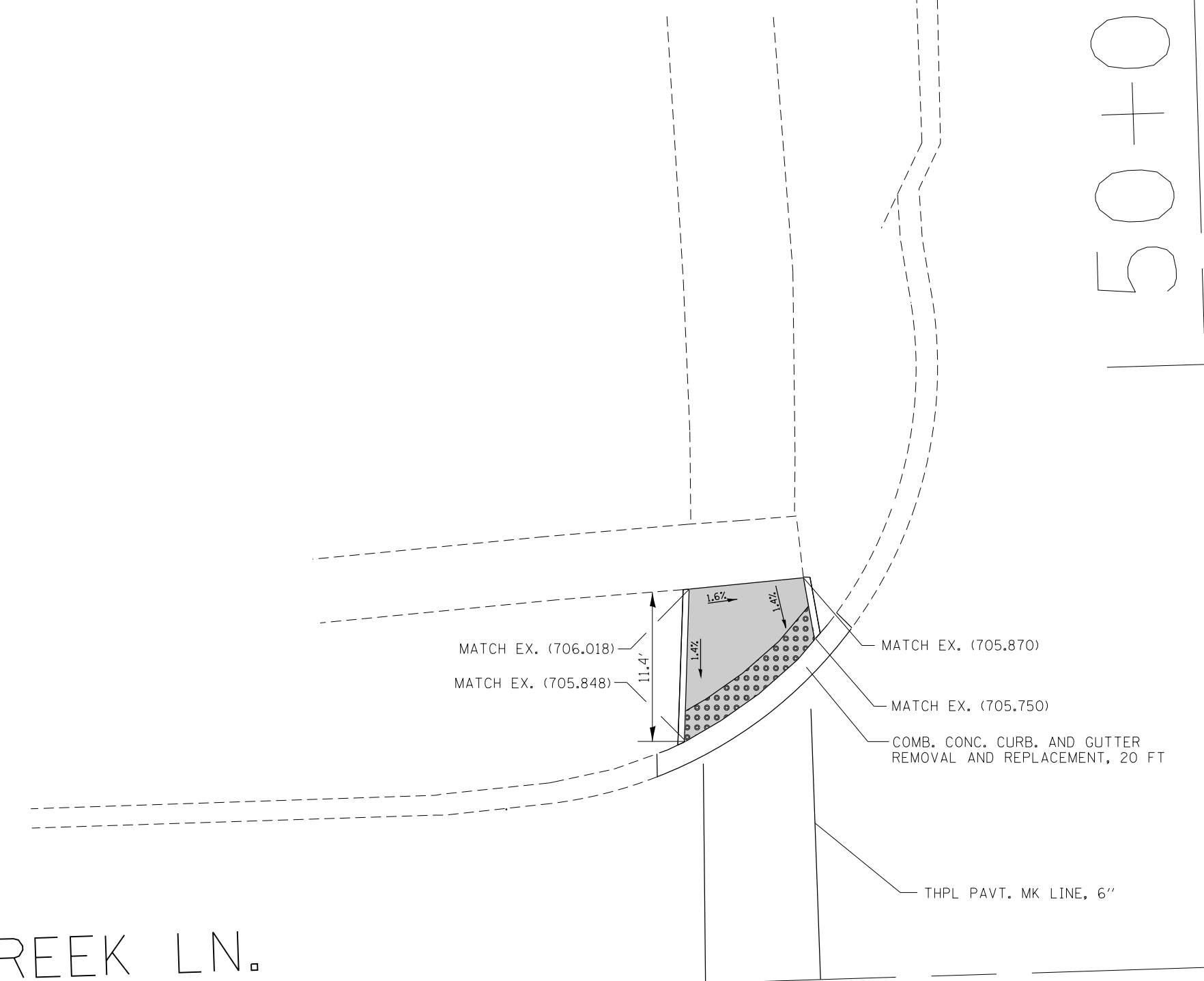
SIDEWALK DETAIL E
IL. ROUTE 7 AT SPRING CREEK LANE - SOUTH WEST CORNER

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2688	3349-R5-2	COOK	37	19
CONTRACT NO. 62C71				
ILLINOIS FED. AID PROJECT				

WOLF RD.
00+05

SPRING CREEK LN.



REFERENCE BENCHMARK ELEV. = 710.24

BENCHMARK: CHISELED SQUARE IN THE N.W. CORNER OF CONC. BASE OF TRAFFIC CONTROL BOX IN THE S.E. CORNER OF WOLF RD. & 153rd St.
LOCATION: ON SOUTHWEST CORNER OF WOLF RD AND SPRING CREEK LN.

LEGEND

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

REFERENCE BENCHMARK ELEV. = 710.24

BENCHMARK: CHISELED SQUARE IN THE N.W. CORNER OF CONC. BASE OF TRAFFIC CONTROL BOX IN THE S.E. CORNER OF WOLF RD. & 153rd St.
LOCATION: ON SOUTHWEST CORNER OF WOLF RD AND SPRING CREEK LN.

USER NAME = abebawa	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 8/10/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

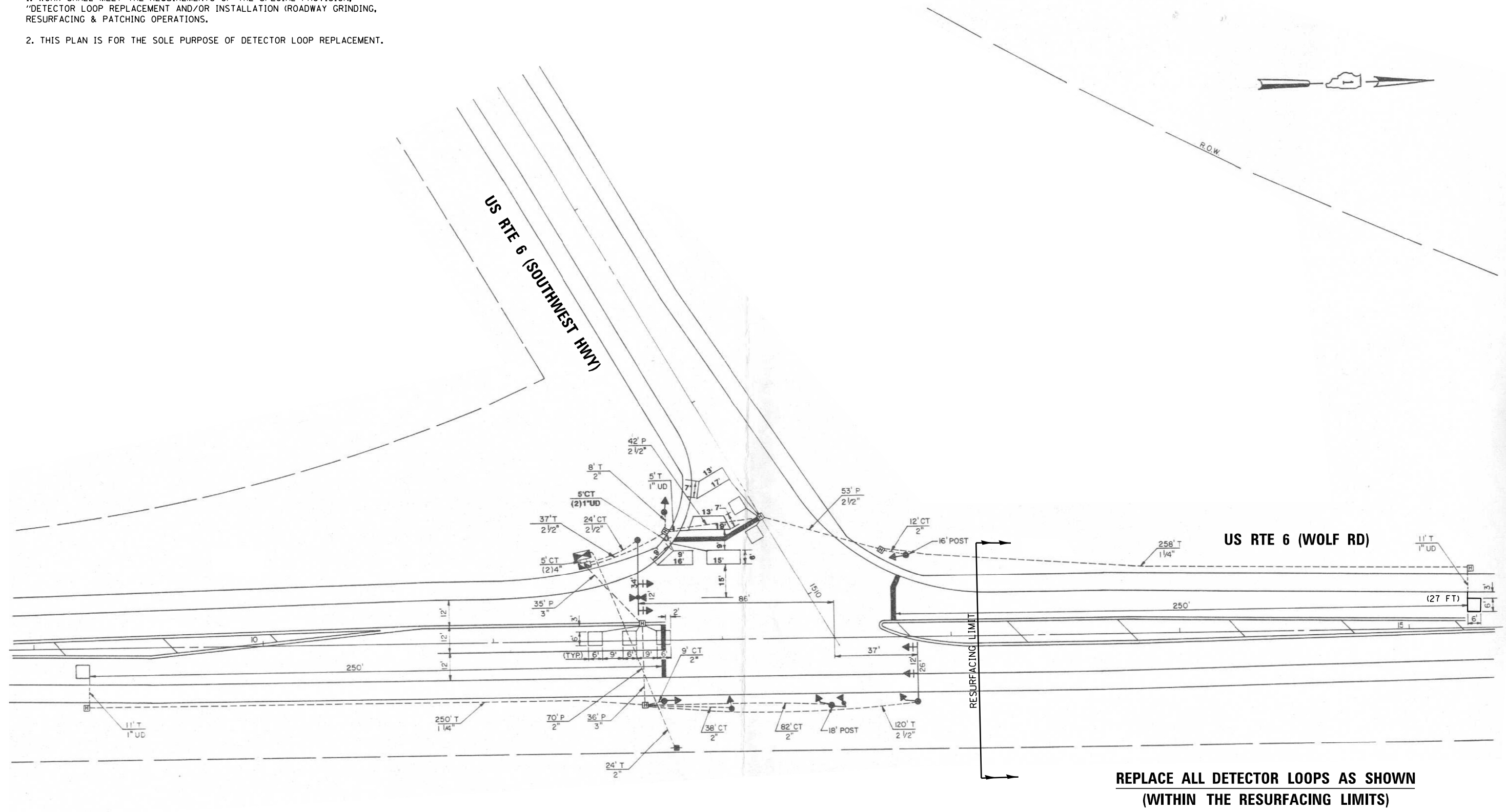
**SIDEWALK DETAIL F
IL. ROUTE 7 AT SPRING CREEK LANE - NORTH WEST CORNER**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2688	3349-RS-2	COOK	37	20
CONTRACT NO. 62C71				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

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.



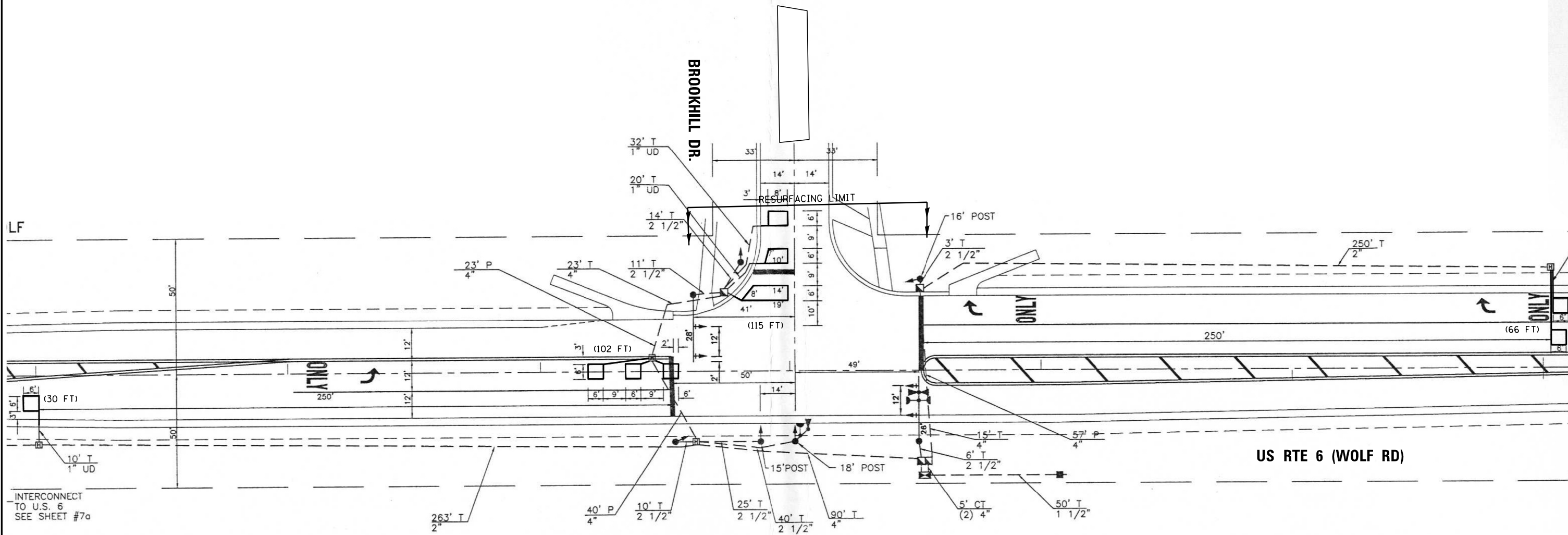
**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	27	FOOT

FILE NAME =	USER NAME = nguyensm	DESIGNED - SN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN US RTE 6 (WOLF ROAD) AT US RTE 6 (SOUTHWEST HWY)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\WP\Design\SN\B. of Design - Detector	Loops Replacement - Resurfacing project -	2016\62C71\CADD\TS 161 - US 6	REVISED US-6 Southwest Hwy.dgn			2688	3349-RS-2	COOK	37	22	
Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -			CONTRACT NO. 62C71					
	PLOT DATE = 11/2/2016	DATE - 11/02/2016	REVISED -			ILLINOIS FED. AID PROJECT					

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



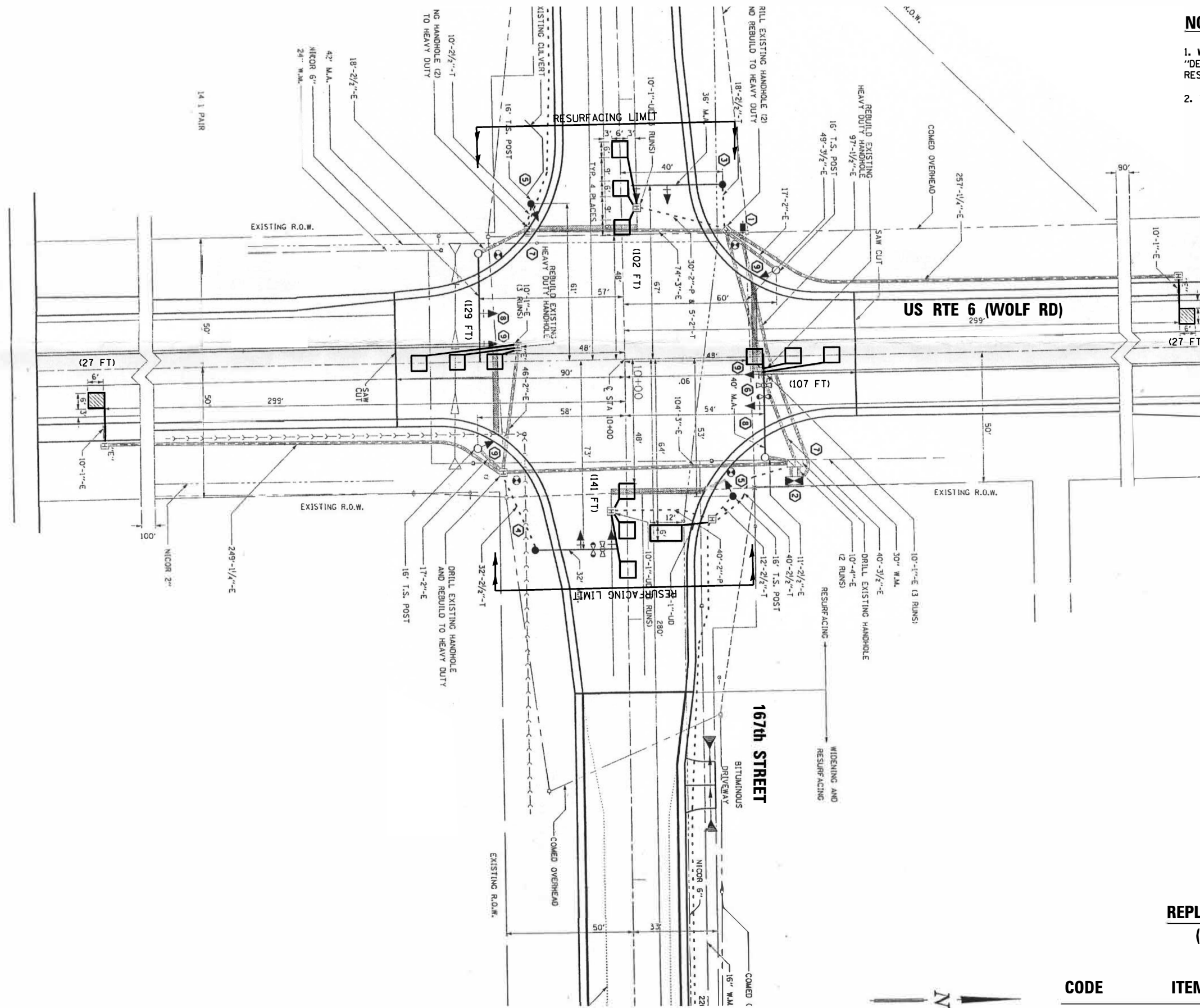
**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	313	FOOT

FILE NAME =	USER NAME = nguyensm	DESIGNED - SN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN US RTE 6 (WOLF ROAD) AT BROOKHILL DR	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\WP\Design\SN\B. of Design - Detector	Loops Replacement - Resurfacing project -	2016\62C71\CADD\TS 162 - US 6	REVISED Brookhill Dr.dgn			2688	3349-RS-2	COOK	37	23
Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -			CONTRACT NO. 62C71			ILLINOIS FED. AID PROJECT	
	PLOT DATE = 11/2/2016	DATE - 11/02/2016	REVISED -	SCALE:	SHEET OF SHEETS	STA. TO STA.				

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	533	FOOT

FILE NAME =	USER NAME = nguyenam	DESIGNED - SN	REVISED -
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Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -
	PLOT DATE = 11/3/2016	DATE - 11/02/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

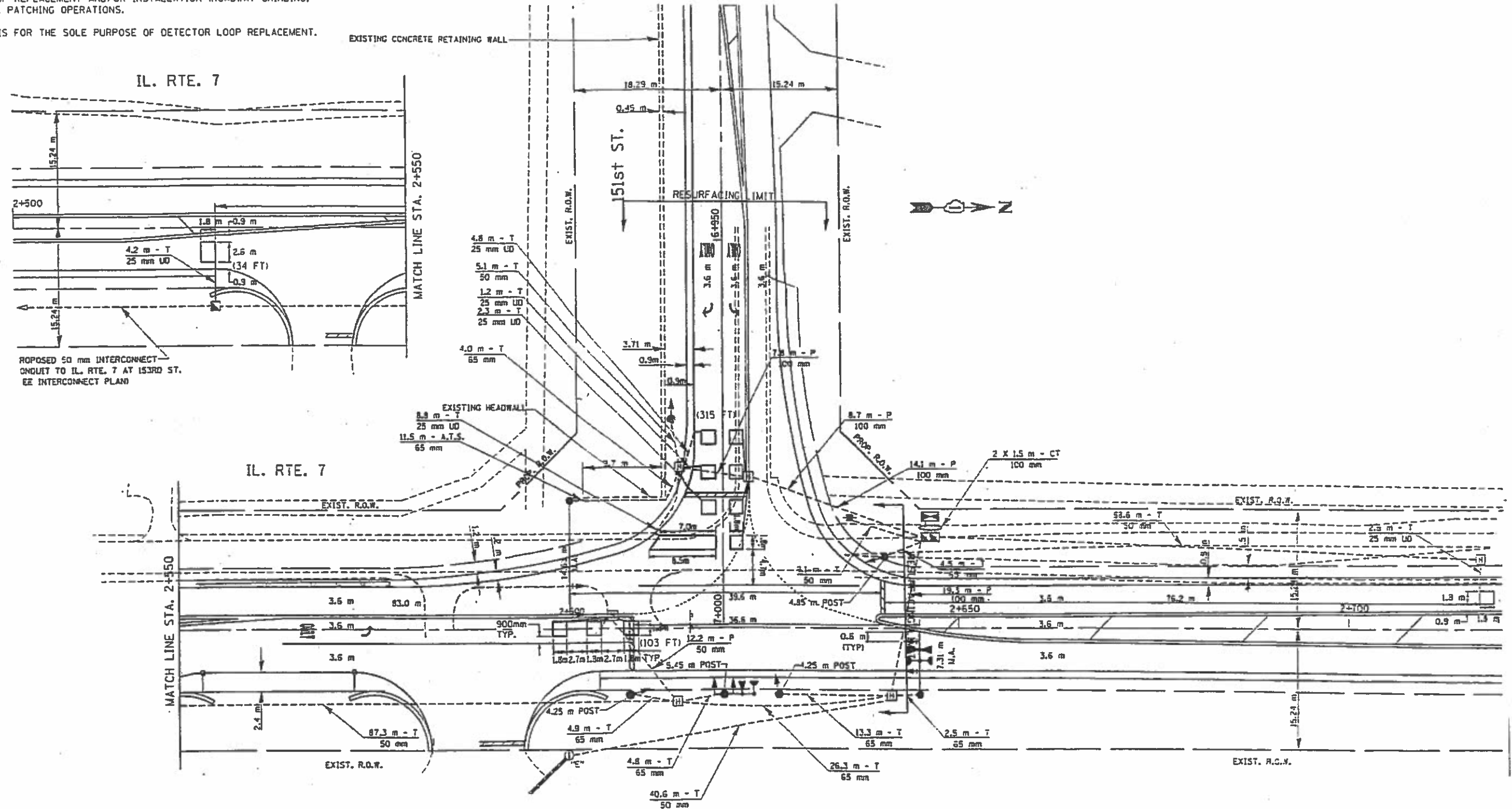
**DETECTOR LOOP REPLACEMENT PLAN
US RTE 6 (WOLF ROAD) AT 167TH STREET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2688	3349_RS_2	COOK	37	24
CONTRACT NO. 62C71				
ILLINOIS FED. AID PROJECT				

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



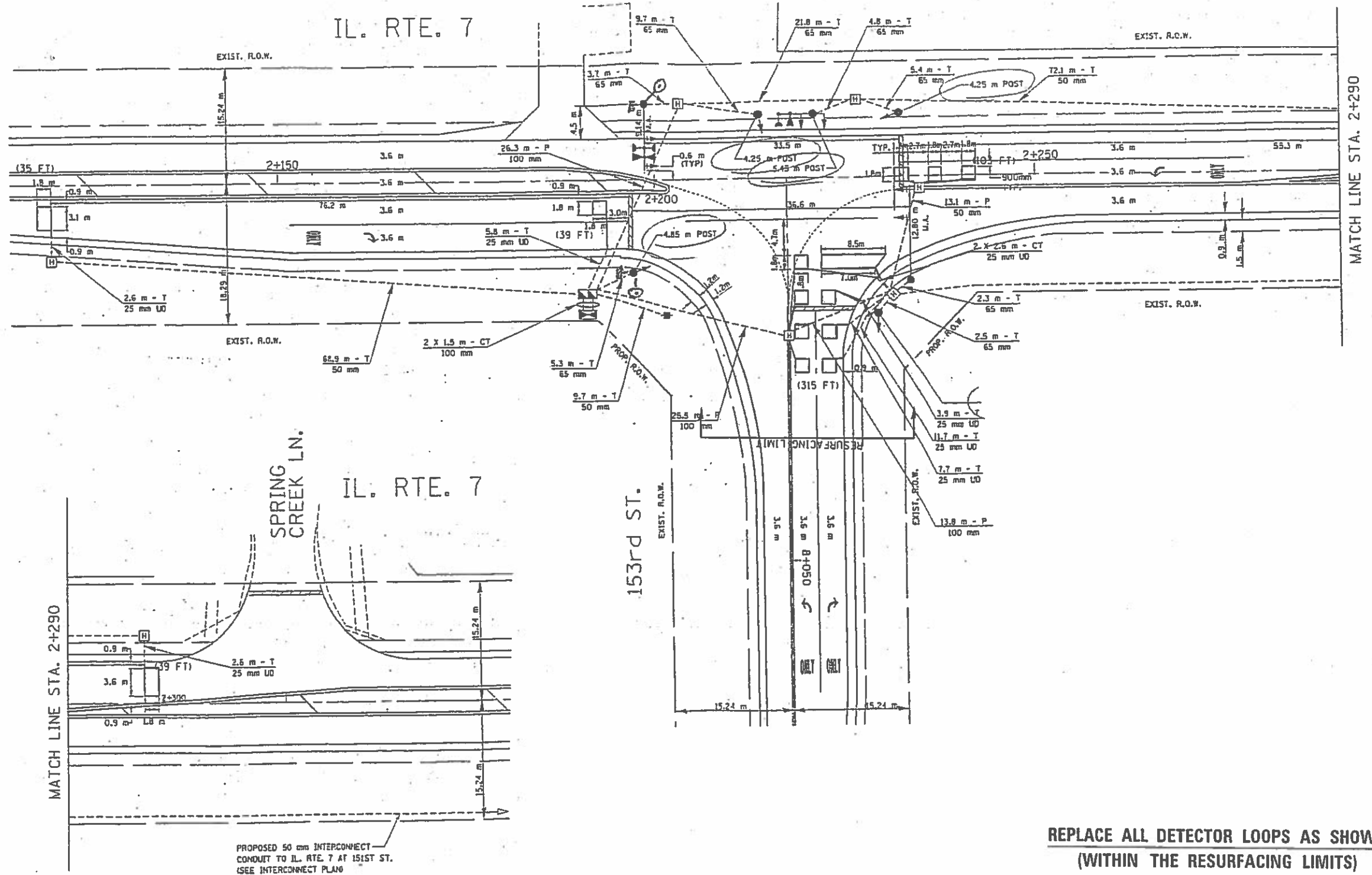
**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	442	FOOT

FILE NAME: St:\WP Design\JC Detector Loop Details 2	USER NAME: curry_e	DESIGNED: ...	REVISED: ...	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL 7 (WOLF RD) AT 151ST ST.	F.A.U. RTE. 2688	SECTION 3349-R5-2	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 24A	
	DWG: 62C71-DetectorLoopReplacementSheet.B1a	DRAWN: dgm	REVISED: ...			SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 62C71
	PLOT SCALE: 40,0000 in.	CHECKED: ...	REVISED: ...								
	PLOT DATE: 8/29/2016	DATE: ...	REVISED: ...								

NOTES:

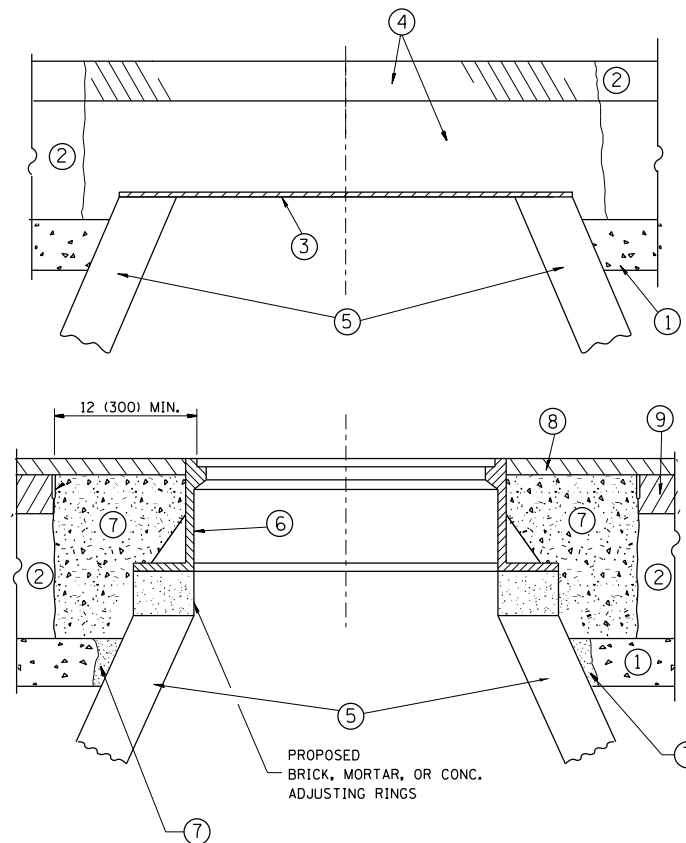
1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	531	FOOT

FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL 7 (WOLF RD) AT 153RD ST.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Si:\WP\Design\JC\Detector Loop Details	curryja	---	---			2688	3349-RS-2	COOK	37	25	
Default	PLOT SCALE = 48,0000 in.	CHECKED	REVISED			SCALE: SHEET OF SHEETS STA. TO STA.					
Default	PLOT DATE = 8.29.2016	DATE	REVISED			CONTRACT NO. 62C71 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

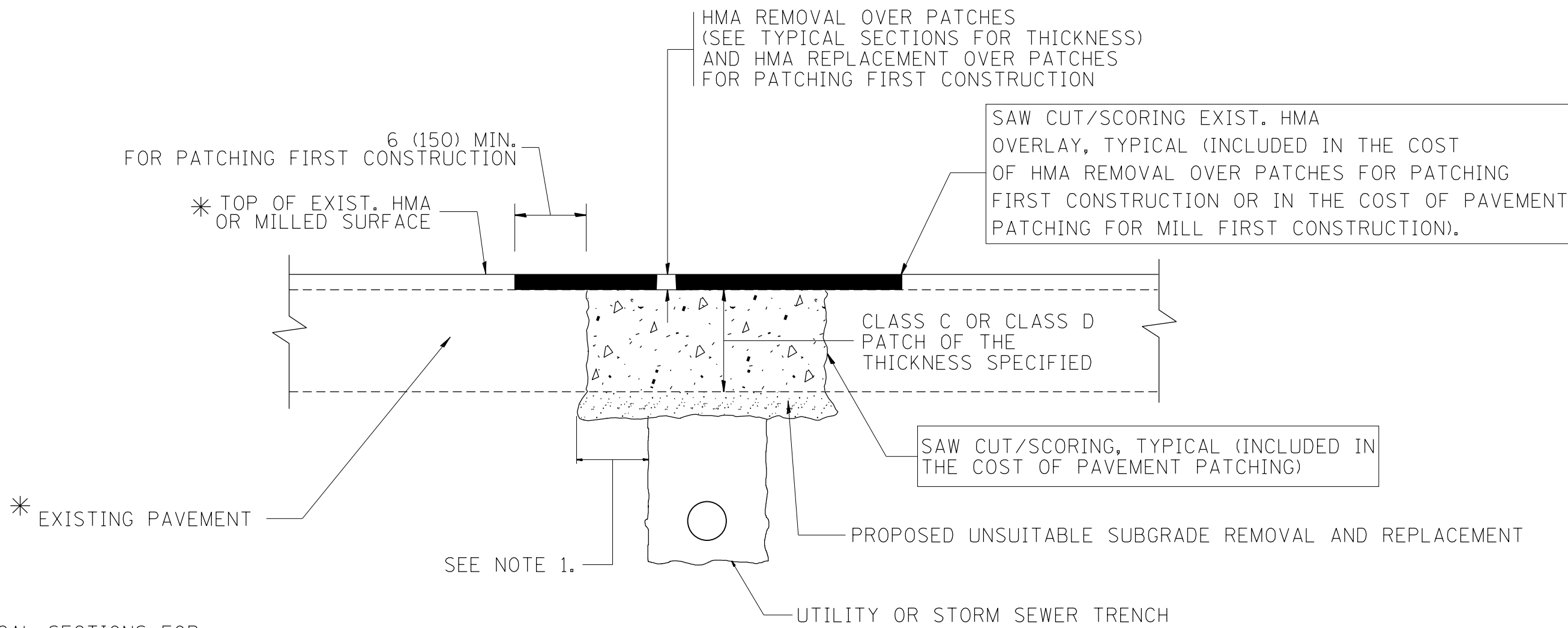
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	PLOT SCALE = 100.1115' / in.	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 8/10/2018	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.I.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2688	3349-RS-2	COOK	37	26
BD600-03 (BD-8)		CONTRACT NO. 62C71		
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 = abebow	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A. LL RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\1379\BROWN\Design\Diststd.dgn		CHECKED -	REVISED - R. BORO 01-01-07					2688	3349-RS-2	COOK	37	27
PLOT SCALE = 100.2292' / in.		DATE - 10-25-94	REVISED - R. BORO 09-04-07		BD400-04 (BD-22)			CONTRACT NO.		62C72		
PLOT DATE = 8/10/2018			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.

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.

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.

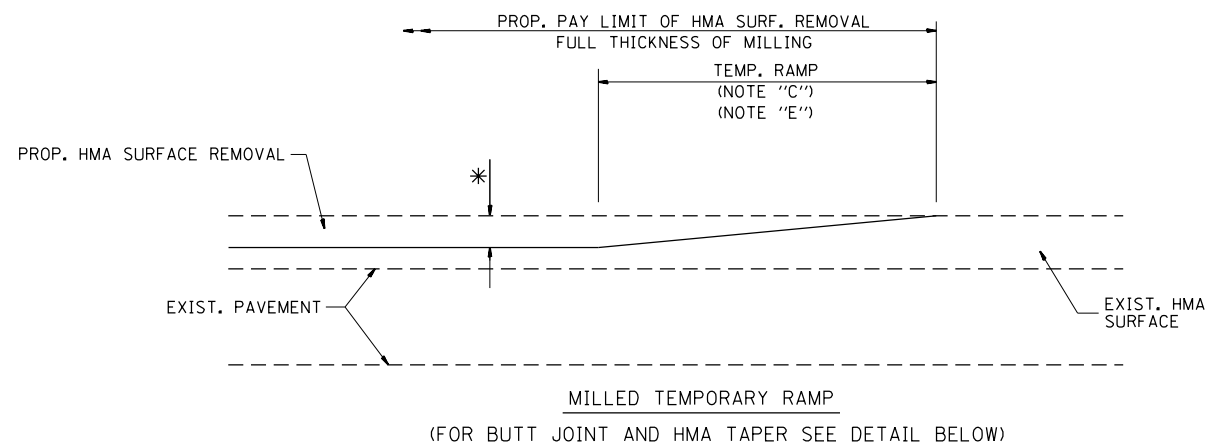
PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

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".

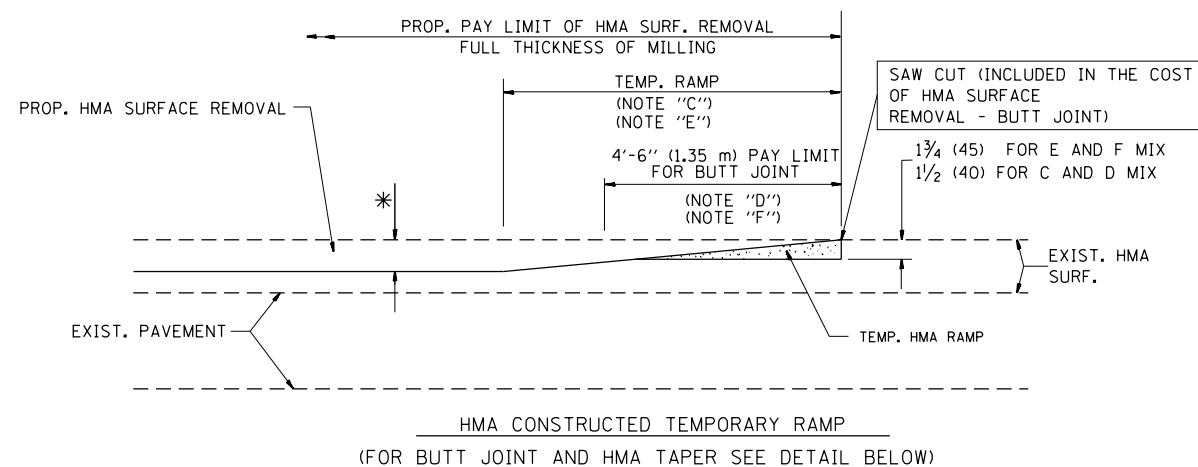
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = abebawa	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pwr\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI378\BROWNS\Design\Diststd.dgn		REVISOR - A. ABBAS 03-21-97	REVISED - M. GOMEZ 01-22-01			2688	3349-RS-2	COOK	37	28
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISOR - R. BORO 12-15-09				BD600-06 (BD-24)		CONTRACT NO. 62C71		
PLOT DATE = 8/10/2018	DATE - 03-11-94					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

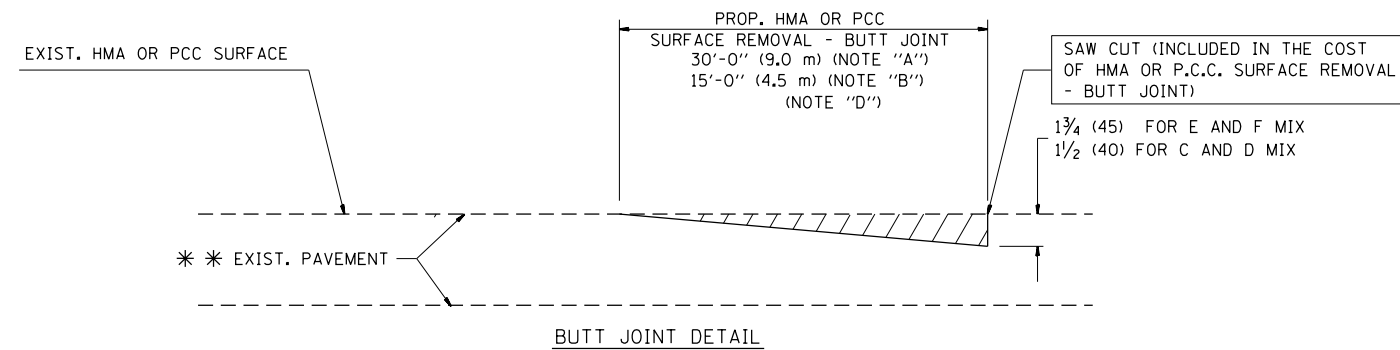


OPTION 1

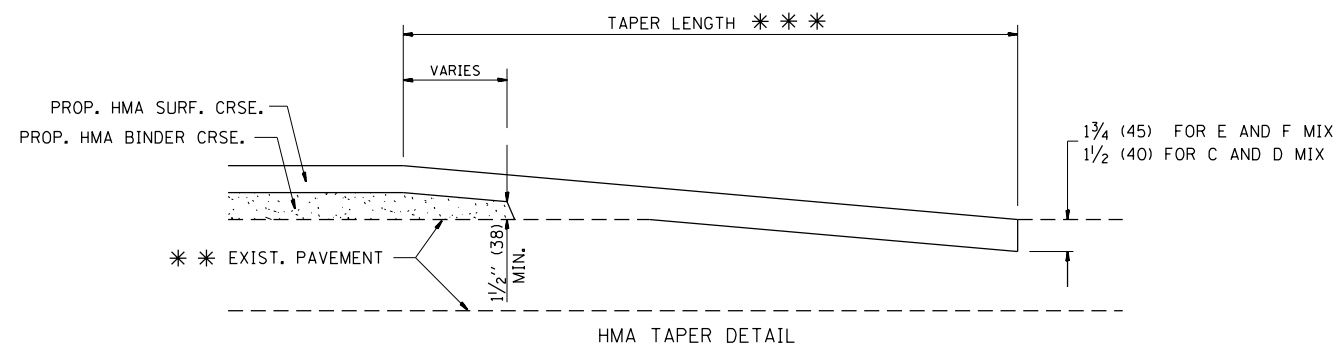


OPTION 2

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.

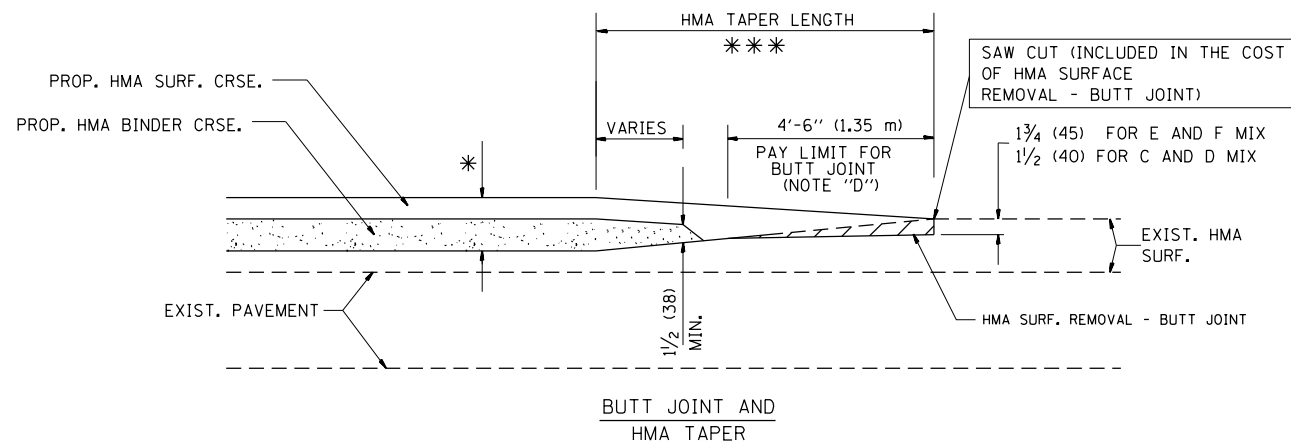
NOTES

- 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

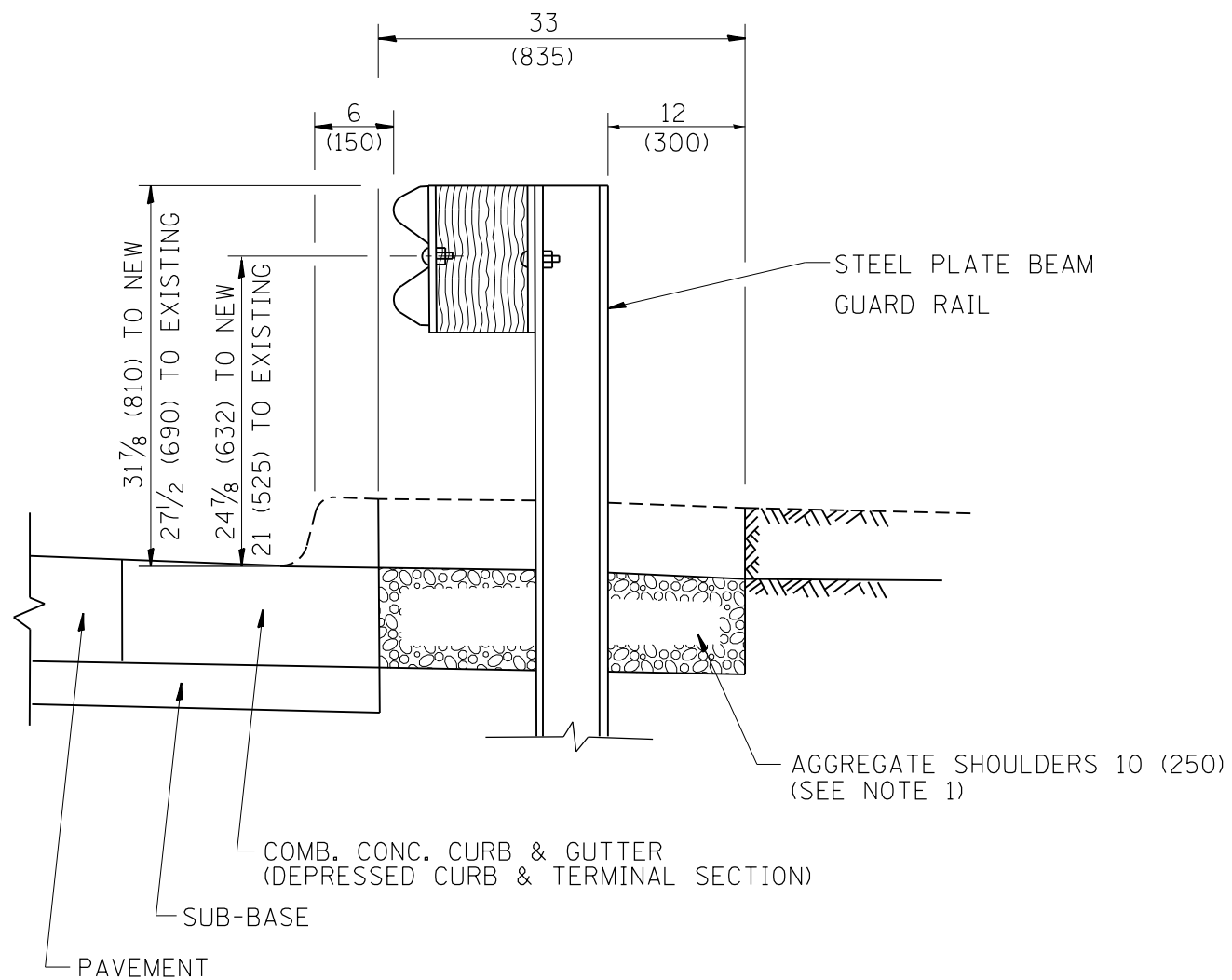
FILE NAME =	USER NAME = abebawa	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
pw\11\084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\1378\BROWN\Design\Diststd.dgn			REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 8/10/2018	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.

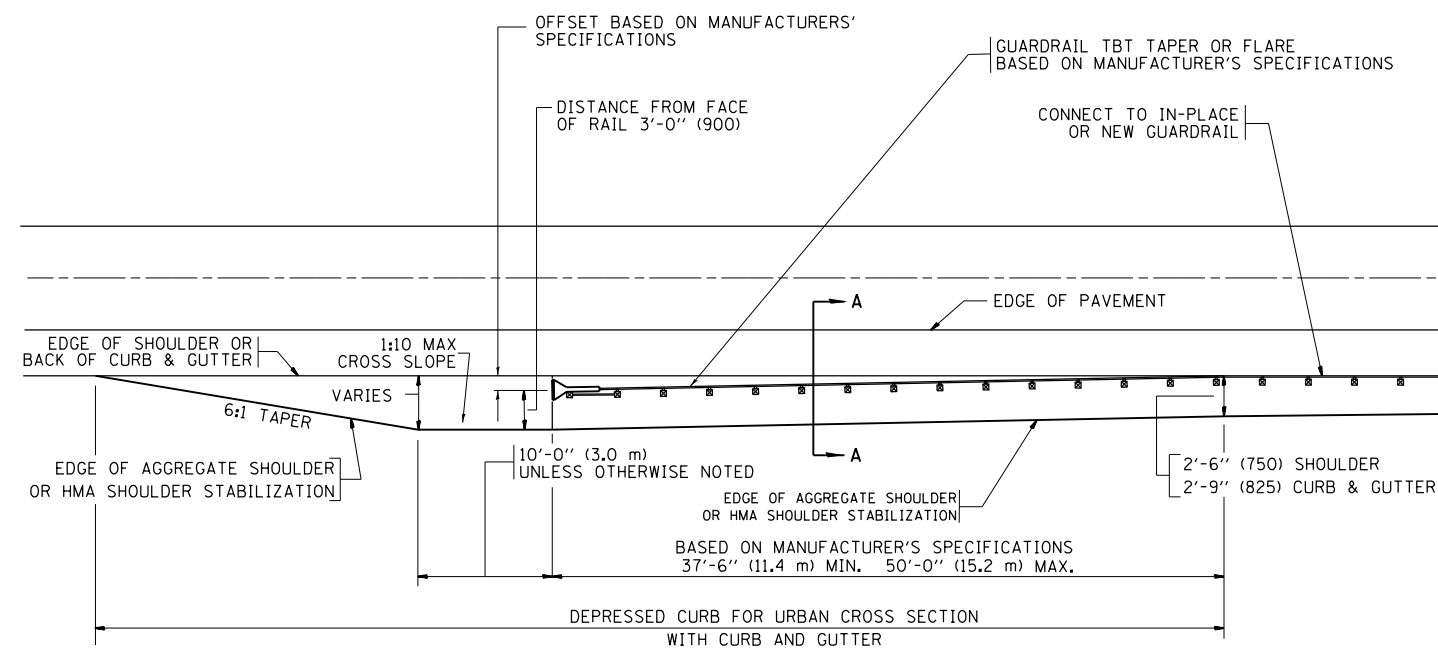
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2688	3349-RS-2	COOK	37	29
BD400-05 BD32			CONTRACT NO. 62C71	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SECTION A-A

- NOTES:
1. THE AGGREGATE SHOULDER, 10" OR HMA SHOULDER, 6" (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
 2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
 3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION HEIGHT TO BE PLACED MUST MATCH THE HEIGHT OF THE IN-PLACE GUARDRAIL.

**DETAILS FOR STEEL PLATE BEAM
GUARD RAIL ADJACENT TO CURB AND GUTTER
[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]**



**DEPRESSED CURB AND GUTTER AND
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

BASIS OF PAYMENT: HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SHOULDERS 6" (150 mm)".

STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

TBT = TRAFFIC BARRIER TERMINAL
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

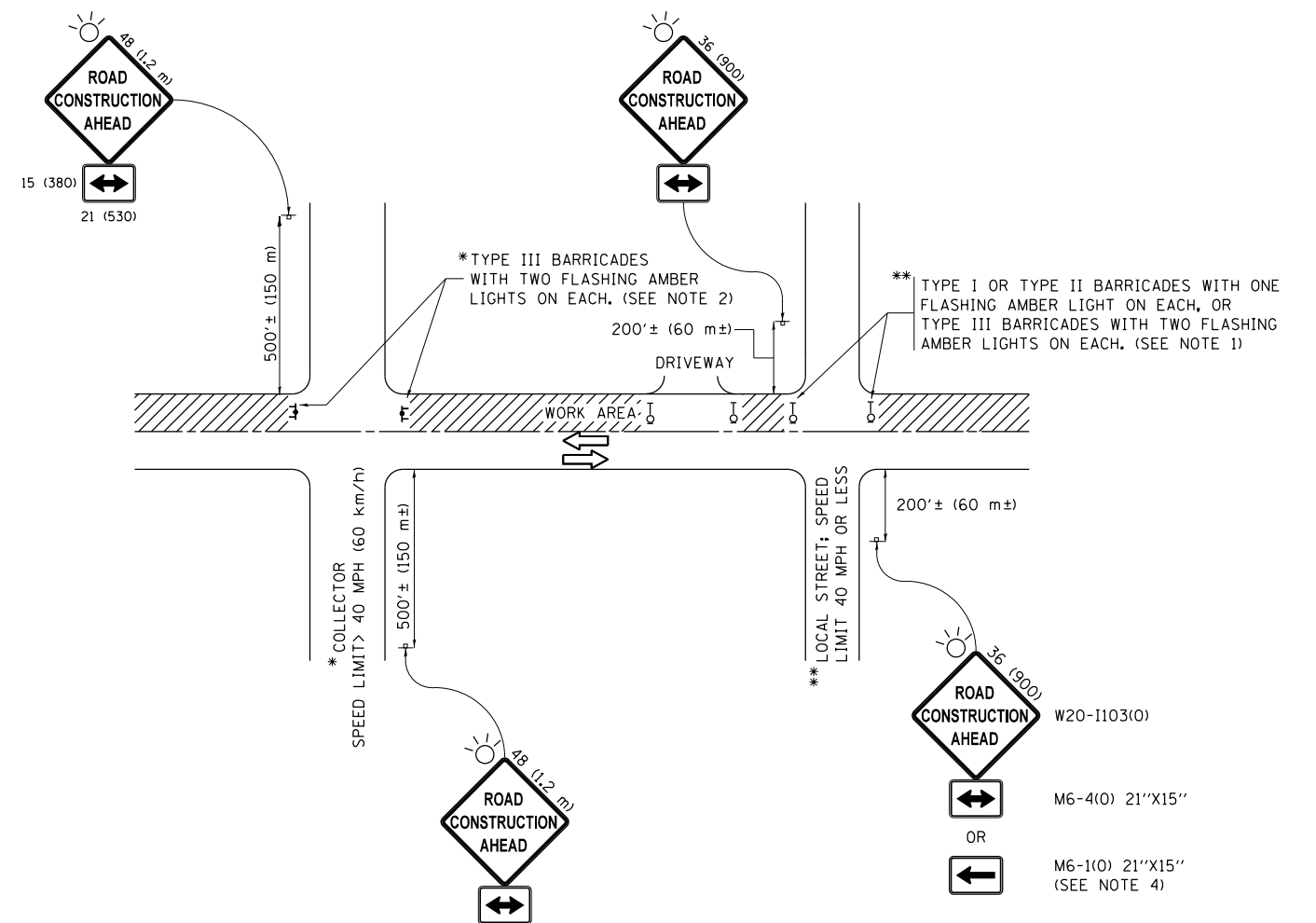
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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 12-08-2008	
PLOT DATE = 8/10/2018	DATE - 09-22-90	REVISED - R. BORO 09-14-2009	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR DEPRESSED CURB & GUTTER AND
SHOULDER TREATMENT AT TBT TY 1 SPL.**

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

F.A. RTE. 2688	SECTION 3349-R5-2	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 30
BD600-10 (BD 34)		CONTRACT NO.	62C71	
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.

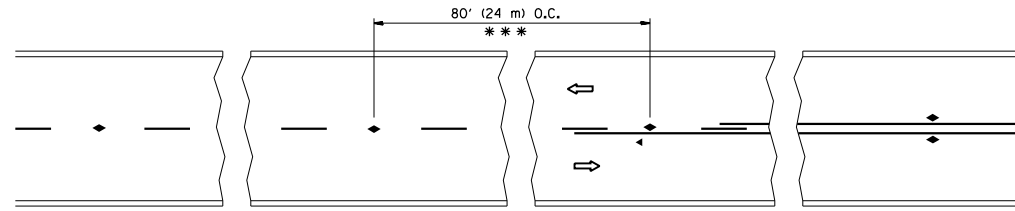
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Default	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 8/10/2018	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

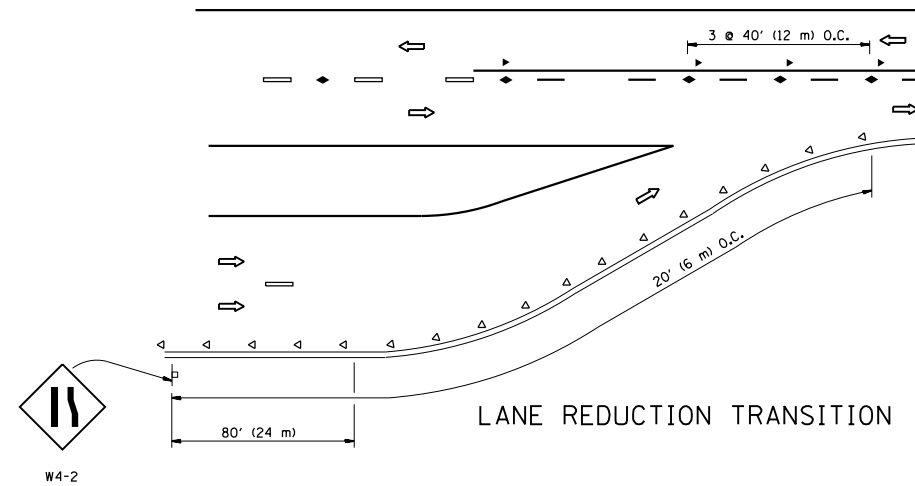
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2688	3349-RS-2	COOK	37	31
TC-10			CONTRACT NO. 62C71	
ILLINOIS FED. AID PROJECT				

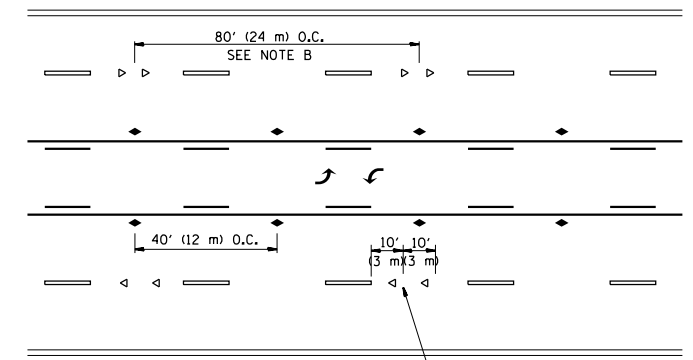


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

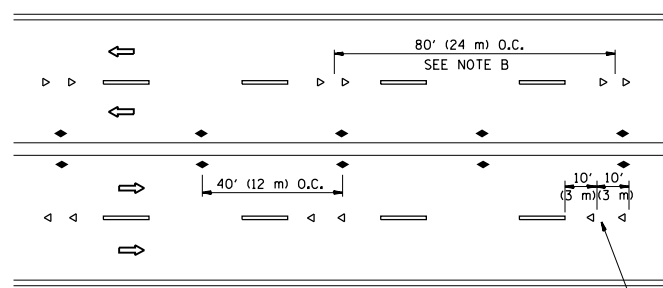
TWO-LANE/TWO-WAY



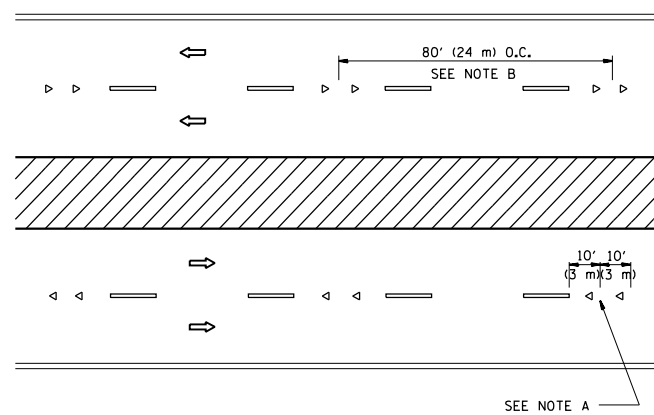
LANE REDUCTION TRANSITION



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

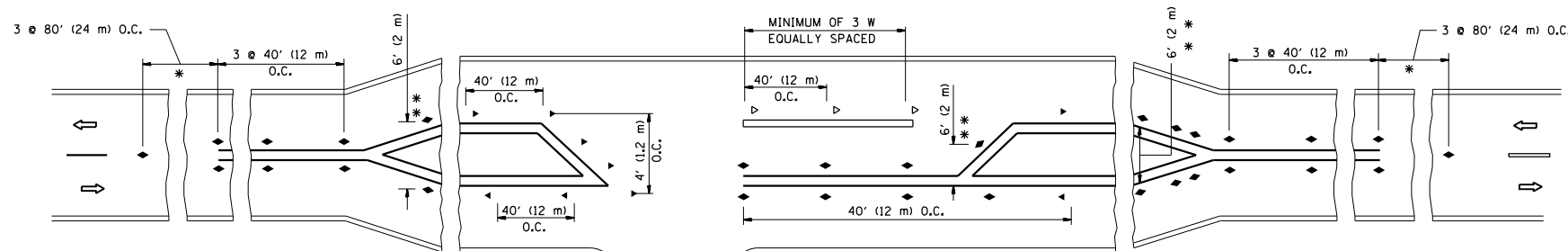
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-<u>P</u>LOW RESISTANT)			F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\1\084EBID\INTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\0137\BROWN\Design\Diststd.dgn	PLOT SCALE = 99.9727' / in.	CHECKED -	REVISED - T. RAMMACHER 03-12-99					2688	3349-RS-2	COOK	37	32
PLOT DATE = 8/10/2018	DATE -	REVISED - T. RAMMACHER 01-06-00	REVISED - C. JUCIUS 09-09-09		TC-11			CONTRACT NO. 62C71				
					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

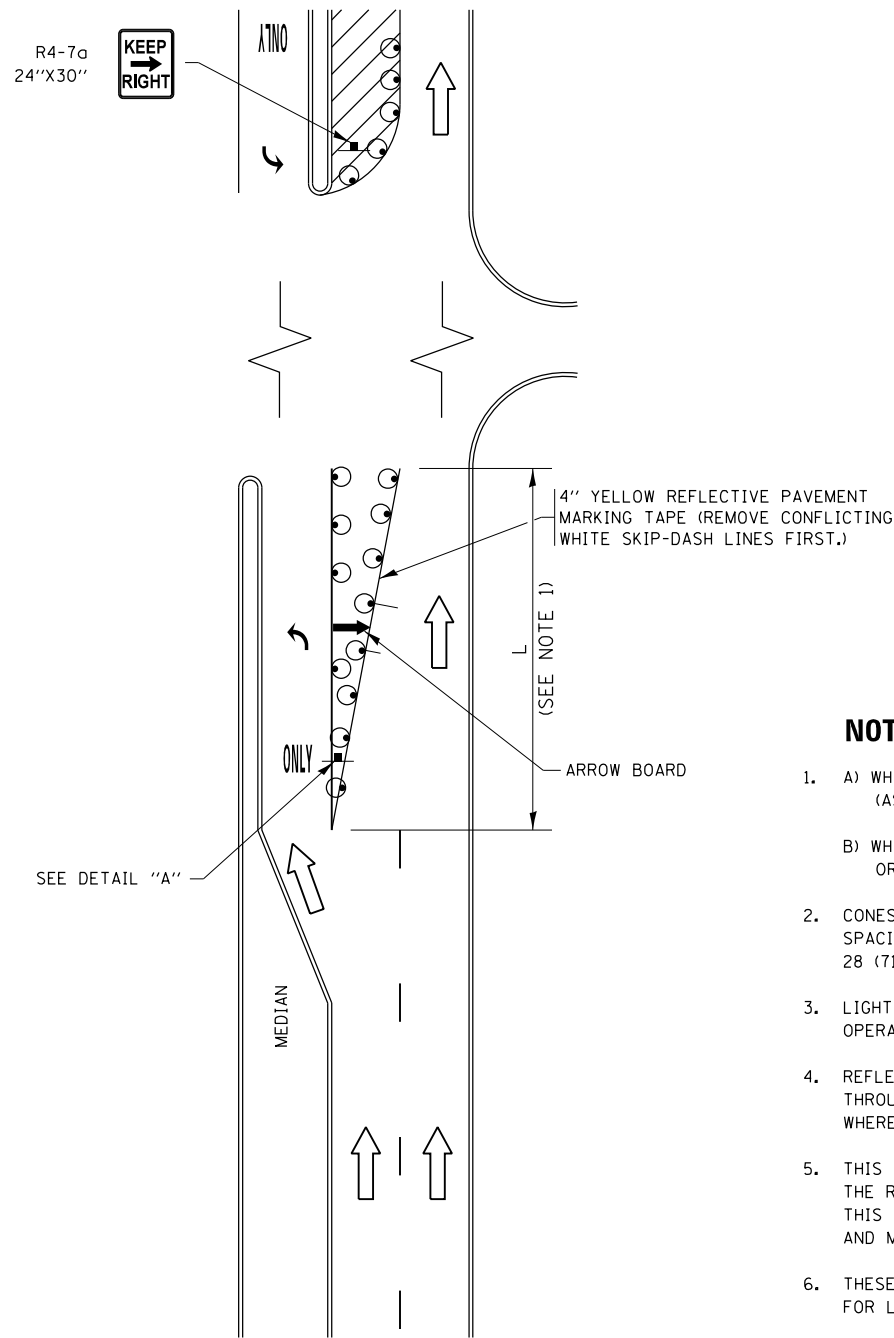


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

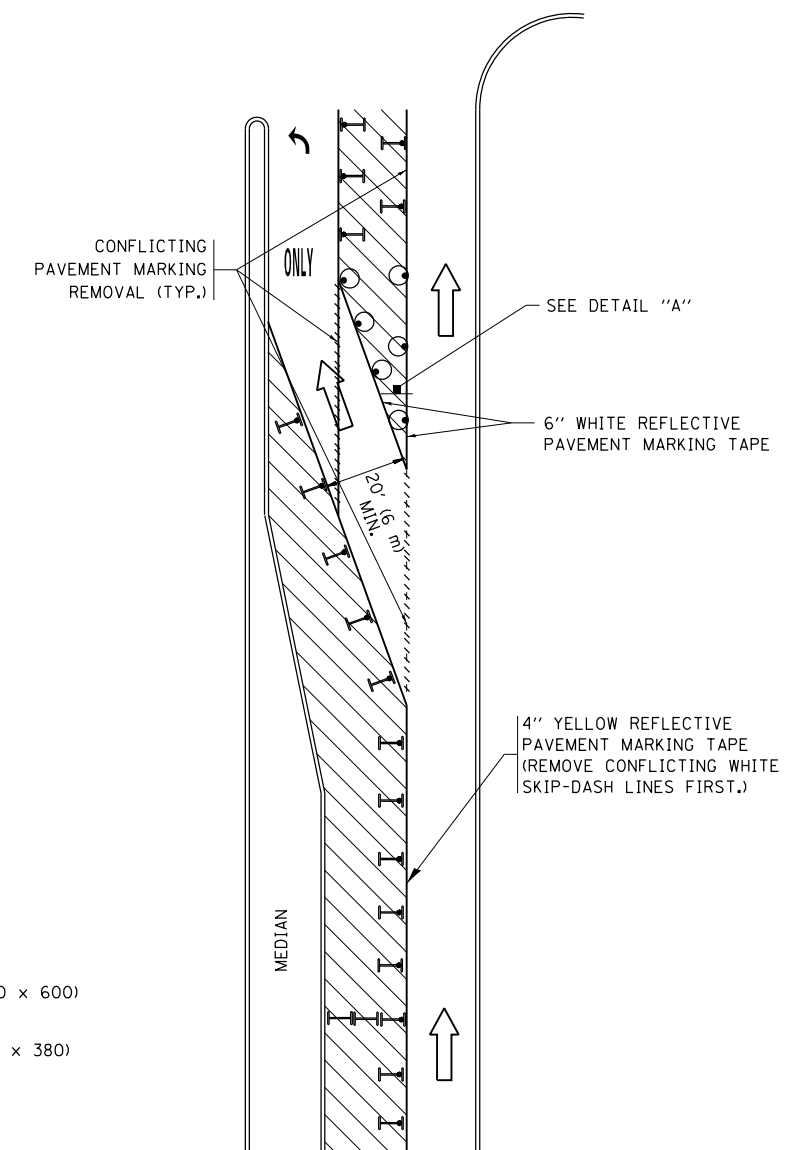
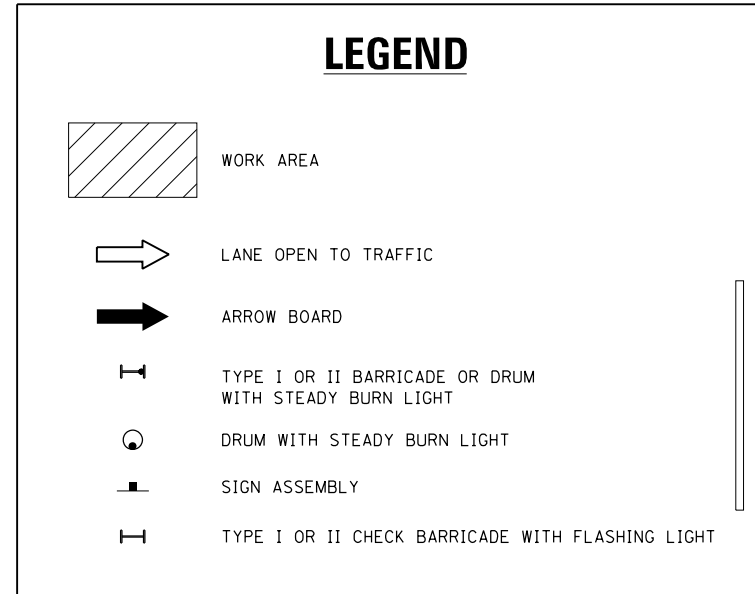
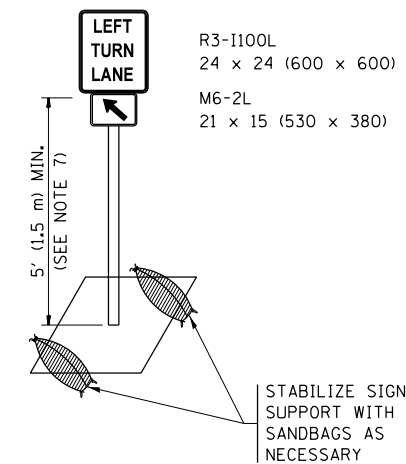


FIGURE 2



NOTES:

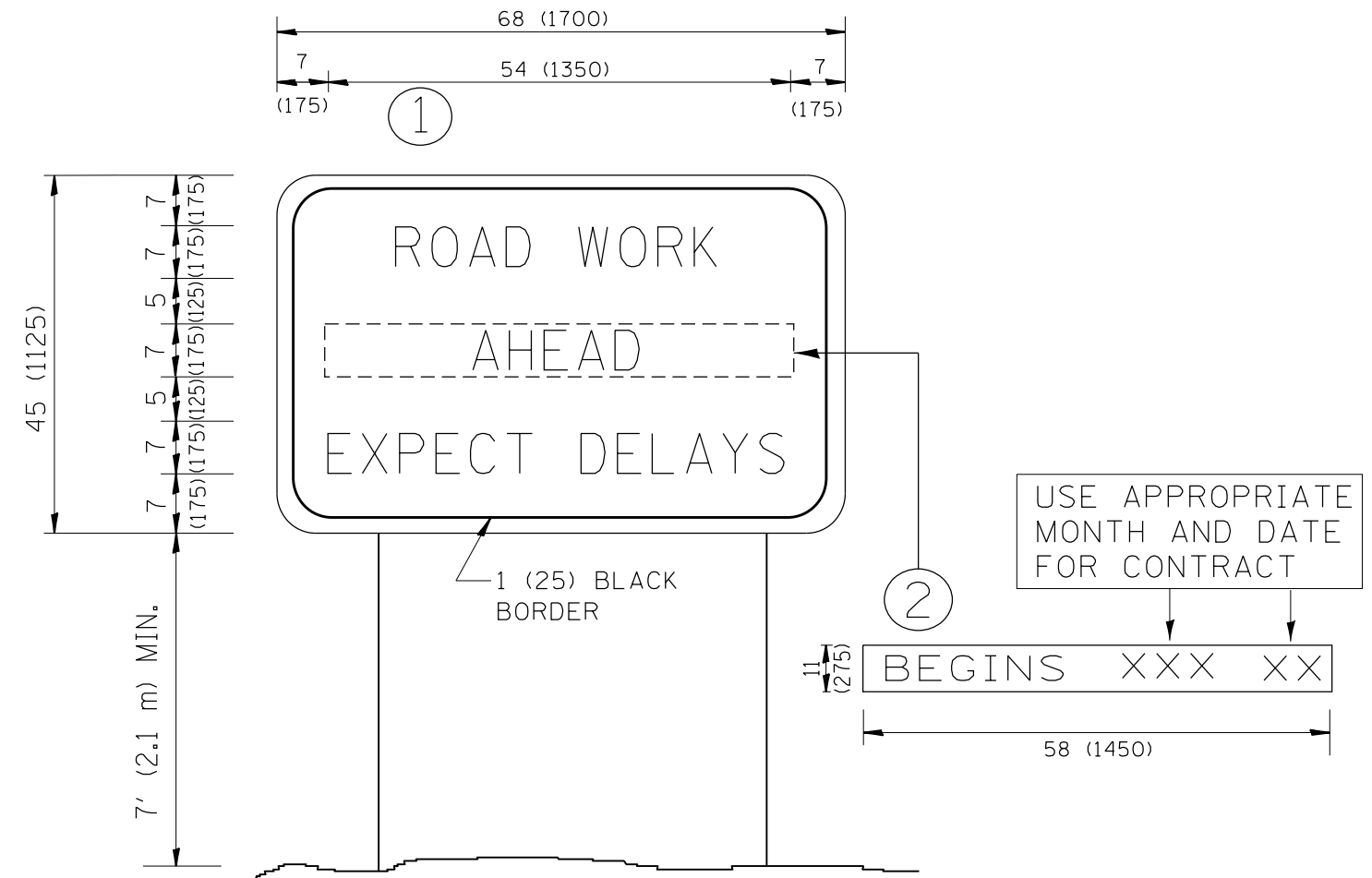
1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. 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" R3-1100R 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 REQUIREMENTS.
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 = abebawa	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default		REVISED - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13			2688	3349-RS-2	COOK	37	34	
	PLOT SCALE = 100.0000' / in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16			TC-14		CONTRACT NO. 62C71			
	PLOT DATE = 8/10/2018	REVISED - T. RAMMACHER 01-06-00	REVISED -			SCALE: NONE		SHEET 1 OF 1 SHEETS		STA. TO STA.	



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 = abebawa	DESIGNED -	REVISED - R. MIRS 09-15-97
p:\11\084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\1375\BROWN\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**

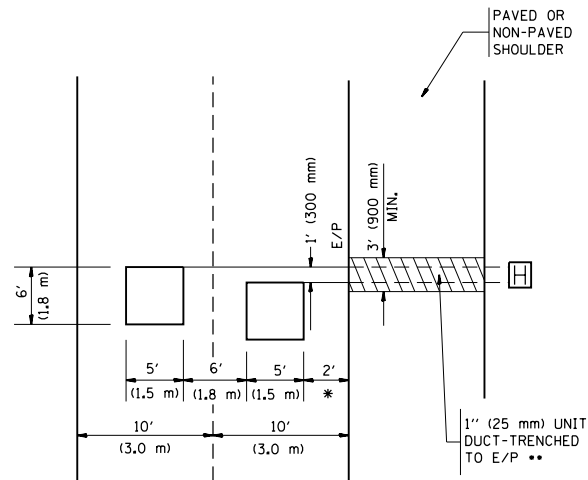
**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2688	3349-RS-2	COOK	37	36
TC-22			CONTRACT NO. 62C71	
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.

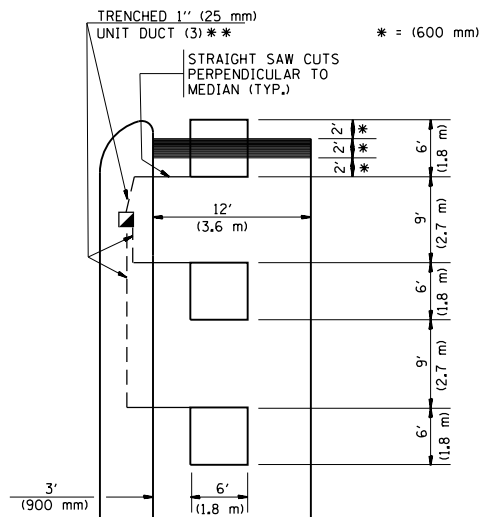


* = (600 mm)

** 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.



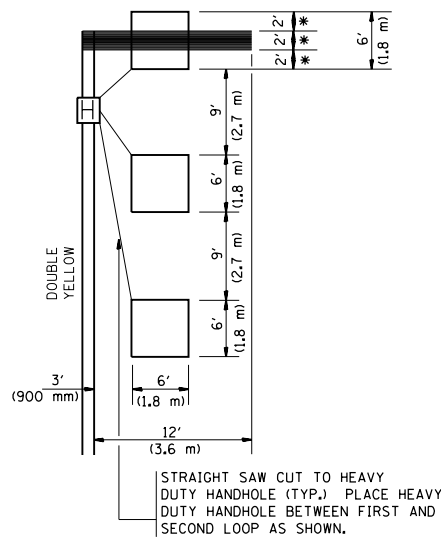
* = (600 mm)

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

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

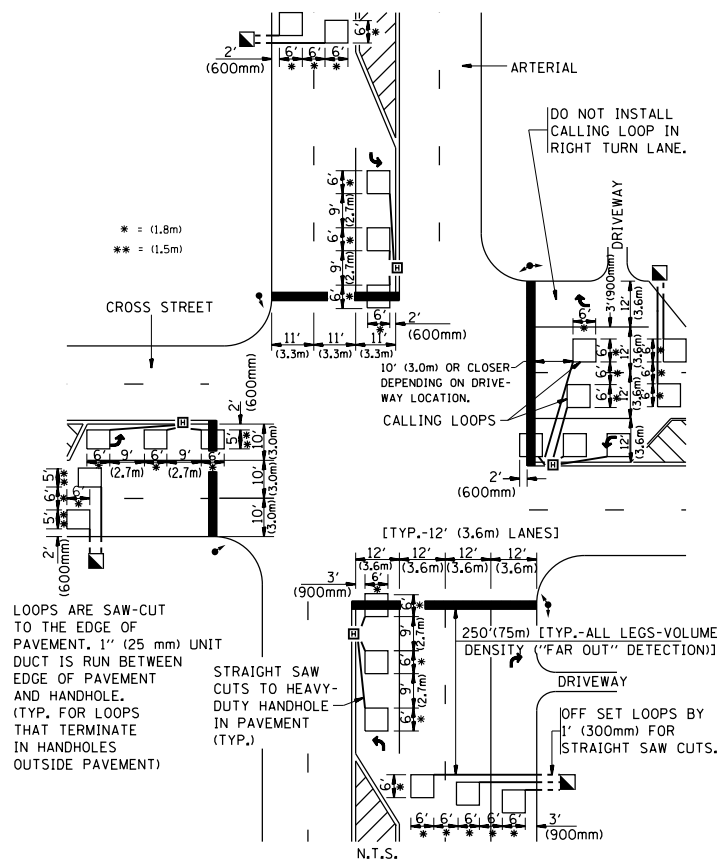
LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)

* = (600 mm)



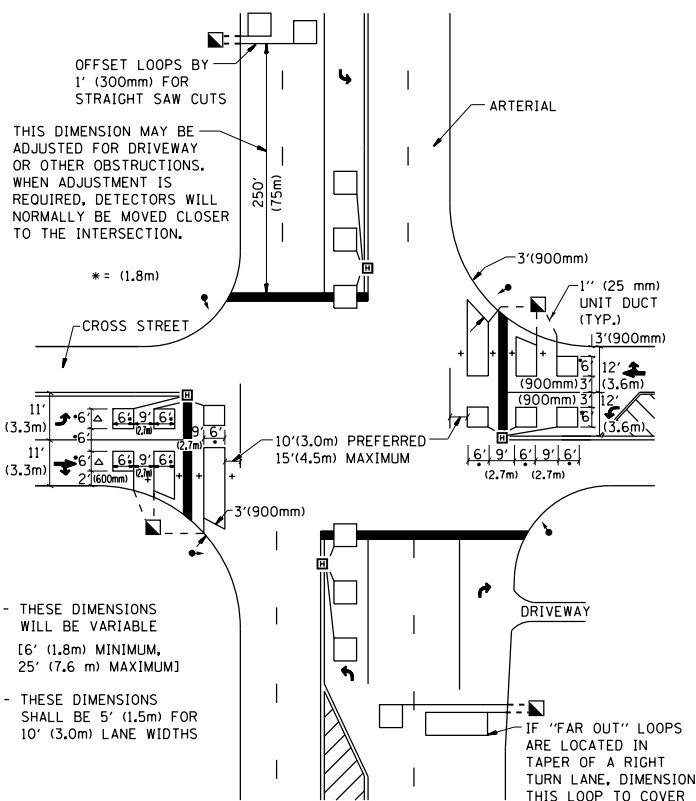
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



DETAIL 1
N.T.S.

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



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR 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 = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING			F.A.L. RTE. 2688	SECTION 3349-RS-2	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 37
p:\11.084EBIDINTEG\11nois.gov\PIDOT\Documents\DOT Offices\District 1\Projects\DI378\BRW\data\Design\Diststd.dgn		CHECKED - R.K.F.	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	TS-07		CONTRACT NO. 62C71		
PLOT SCALE = 1/80.7400 / in.		DATE -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
PLOT DATE = 8/10/2018		DATE -	REVISED -									