MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1157	21-00337-00-RS	KANE	28	1
	ILLINOIS	CONTRACT NO. 61H41		

01-21-2022 LETTING ITEM 095

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LIST OF HIGHWAY STANDARDS SEE SHEET NO. 2

FUNCTIONAL CLASSIFICATION
INDIAN TRAIL - MINOR ARTERIAL

TRAFFIC DATA
INDIAN TRAIL
2018 ADT = 14,700

POSTED SPEED LIMIT
INDIAN TRAIL = 35 MPH

DESIGN SPEED LIMIT
INDIAN TRAIL = 35 MPH

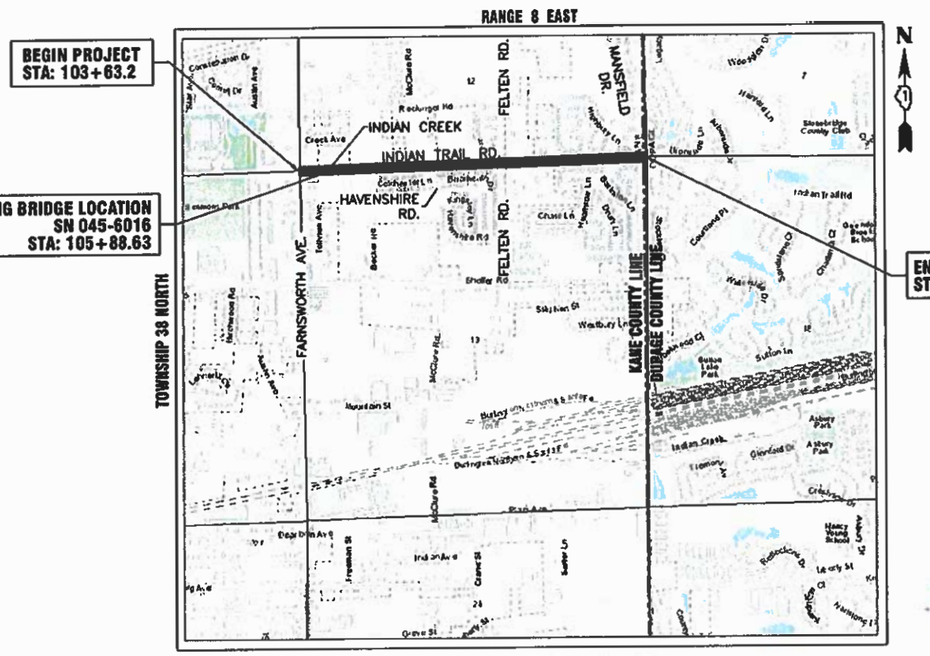
FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E., SCHAUMBURG, IL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

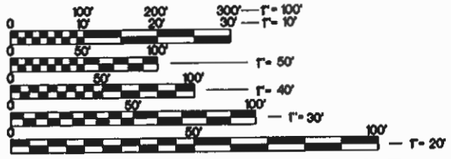
MUN. ROUTE 1157 (INDIAN TRAIL ROAD)
FARNSWORTH AVE. TO KANE/DUPAGE COUNTY LINE
ROADWAY RESURFACING
SECTION NO.: 21-00337-00-RS
PROJECT NO.: Y9LY(932)
CITY OF AURORA
KANE COUNTY

C-91-175-21



KANE COUNTY- AURORA TOWNSHIP
THIRD PRINCIPAL MERIDIAN

LOCATION MAP
NOT TO SCALE



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
811 OR 1-800-892-0123

Dial 811 or 1-800-892-0123
Know what's below. Call before you dig.

JULIE DESIGN TICKET NUMBER: # X000760492

WITH THE FOLLOWING:
COUNTY KANE COUNTY
CITY-TOWNSHIP AURORA-AURORA TOWNSHIP
SEC. & 1/4 SEC. NO.# 12,13-38 N.-8 E.

(2) Working Days before you dig (Excluding Sat., Sun. & Holidays)

CONTRACT NO. 61H41

GROSS LENGTH OF PROJECT = 5,236.77 FEET (0.992 MILES)
NET LENGTH OF PROJECT = 5,236.77 FEET (0.992 MILES)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED November 3 20 21
CITY OF AURORA, ENGINEERING COORDINATOR

PASSED NOV 16 20 21
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW November 16 20 21
REGIONAL ENGINEER

TIMOTHY V. WEIDNER
082-059648
REGISTERED PROFESSIONAL ENGINEER
OF
EXP. 11/30/21
ILLINOIS
SEAL

TIMOTHY V. WEIDNER, P.E.
EXPIRES: NOVEMBER 30, 2021

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

ILLINOIS URBAN MANUAL EROSION CONTROL DETAILS

IUM-654SB	TEMPORARY CONCRETE WASHOUT FACILITY - STRAW BALE
IUM-561C	INLET PROTECTION - PAVED AREAS CURB PROTECTION
IUM-561D	INLET PROTECTION - PAVED AREAS DROP-IN PROTECTION

DISTRICT ONE DETAILS

BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TS-05	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS
TS-07	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

HIGHWAY STANDARDS

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280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-10	PAVEMENT JOINTS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-05	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-05	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER FOR SIDEWALKS
424026-03	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
604001-05	FRAME AND LIDS TYPE 1
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701601-09	URBAN LANE CLOSURE MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
886001-01	DETECTOR LOOP INSTALLATIONS

GENERAL NOTES

1. ALL REFERENCES TO "STANDARD SPECIFICATIONS" IN THESE GENERAL NOTES SHALL BE INTERPRETED TO MEAN THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", JANUARY 1, 2022 AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS. IN ADDITION, THE CONTRACTOR MUST VERIFY THE ENGINEER'S LINE AND GRADE STAKES. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLANS AND FIELD CONDITIONS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTIONS FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY THE IDENTIFIED DISCREPANCIES.
3. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNER OF ALL EXISTING UTILITIES FACILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS.
5. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON CITY, STATE, OR PRIVATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
6. THE STORAGE OF EQUIPMENT AND/OR MATERIALS WITHIN THE RIGHT-OF-WAY OF ANY STREET AND/OR PARK PROPERTY SHALL REQUIRE PRIOR APPROVAL OF THE ENGINEER.
7. OFFSET LOCATIONS GIVEN IN THE PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC. ARE FROM THE ROADWAY CENTERLINE.
8. SIDEWALK REMOVAL AND REPLACEMENT AND COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT AS SHOWN ON THE PLANS IS FOR INFORMATIONAL PURPOSES ONLY. ACTUAL LOCATIONS AND QUANTITIES ARE TO BE DETERMINED AND MARKED BY THE ENGINEER PRIOR TO CONSTRUCTION.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY DETECTOR LOOPS DAMAGED DURING CONSTRUCTION.
10. 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.
11. THE CONTRACTOR SHALL VERIFY THAT ALL CRACKS, JOINTS, AND FLANGEWAYS ARE CLEAN AND DRY PRIOR TO PLACEMENT OF MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS.
12. THE CONTRACTOR SHALL MAINTAIN THE SITE IN A CLEAN AND ORDERLY MANNER. DEBRIS AND SURPLUS MATERIAL SHALL BE REMOVED AND RESTORATION SHALL PROCEED AS THE WORK PROCEEDS. IF THE ENGINEER SO DIRECTS, THE CONTRACTOR SHALL STOP ALL OTHER WORK AND CONCENTRATE ON CLEAN-UP AND RESTORATION. DEBRIS AND SURPLUS MATERIAL SHALL BE DISPOSED BY THE CONTRACTOR OFF-SITE.
13. DRIVEWAY ENTRANCES WILL BE KEPT OPEN TO TRAFFIC AT ALL TIMES. THE CONTRACTOR WILL BE ALLOWED TO CLOSE A MAXIMUM OF HALF THE AREA OF ANY ONE ENTRANCE AT ANY TIME. IT IS ESSENTIAL THAT THE ENTRANCES REMAIN OPEN AND 'DRIVE-ABLE' FOR TWO-WAY TRAFFIC AT ALL TIMES. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING TRAFFIC CONTROL AND PROTECTION. WHERE NEW CURB AND GUTTER IS TO BE INSTALLED ACROSS A DRIVEWAY, IT IS EXPECTED THAT ONLY HALF OF THE DRIVEWAY ENTRANCE MAY BE REMOVED AND REPLACED AT ANY ONE TIME. ONLY AFTER PROPER CONCRETE CURE TIME HAS OCCURRED MAY THE CONTRACTOR BEGIN REMOVAL AND REPLACEMENT OPERATIONS ON THE REMAINING HALF OF THE CURB AND GUTTER. THE CONTRACTOR WILL NOT BE ALLOWED TO CLOSE A HALF OF DRIVEWAY ENTRANCE FOR MORE THAN 48 HOURS UNDER ANY CIRCUMSTANCE.
14. CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN
15. ALL CURB RAMPS ARE STANDARD AND SHALL BE CONSTRUCTED ACCORDING TO IDOT HIGHWAY STANDARDS.
16. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1.5 INCHES WHERE THE SPEED IS 45 MPH OR LESS, 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.
17. THE CONTRACTOR OF THIS PROJECT SHALL COOPERATE WITH THE CONTRACTOR OF THE FARNSWORTH AVENUE BRIDGE OVER INDIAN CREEK (SECTION NO. 18-00324-00-BR). THE BRIDGE ON FARNSWORTH AVENUE JUST NORTH OF INDIAN TRAIL IS BEING REPLACED IN 2022, AND THE TRAFFIC CONTROL SIGNAGE MAY OVERLAP BETWEEN THE PROJECTS.

UTILITIES

1. ALL UTILITY COMPANIES AND THE CITY OF AURORA SHALL BE NOTIFIED AT LEAST 3 DAYS PRIOR TO THE START OF CONSTRUCTION.
2. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER.
3. ONLY PRECAST CONCRETE ADJUSTMENT RINGS, MAXIMUM OF 12 INCHES IN HEIGHT, WILL BE ALLOWED IN THE ADJUSTMENT OF CATCH BASINS, MANHOLES, INLETS AND VALVE VAULT STRUCTURES. COMMON BRICK WILL NOT BE ALLOWED.
4. THE CONTRACTOR SHALL ENSURE THAT ALL WATER SYSTEM VALVES, VALVE VAULTS, AND SANITARY SEWER MANHOLES REMAIN READILY ACCESSIBLE TO THE CITY FOR EMERGENCY OPERATIONS. THE LOCATIONS OF ALL WATER AND SANITARY FACILITIES SHALL BE MARKED AND READILY VISIBLE AT ALL TIMES.
5. THE INDISCRIMINATE USE OF FIRE HYDRANTS OR EXISTING STREAMS, CREEKS, WETLANDS OR PONDS IS STRICTLY PROHIBITED. THE CONTRACTOR SHALL PROVIDE A WATER TRUCK AND DRIVER AS REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WATER FROM AN APPROVED SOURCE. IF THIS WATER IS FROM A SOURCE OTHER THAN THEIR YARD, WRITTEN APPROVAL FROM THE AGENCY HAVING JURISDICTION FOR THE SOURCE OF THE WATER MUST BE RECEIVED BY THE ENGINEER PRIOR TO USE OF THE WATER.

SIGNING AND STRIPING

1. ALL EXISTING SIGNS (INCLUDING THOSE LOCATED ON UTILITY/LIGHT POLES) THAT DO NOT CONFLICT WITH THE IMPROVEMENTS SHALL REMAIN IN PLACE UNLESS DIRECTED BY THE ENGINEER.
2. SIGNS SHALL NOT BE MOVED OR COVERED UNTIL PROGRESS OF WORK NECESSITATES IT.
3. SEE IDOT DISTRICT ONE DETAILS TC-13 (DISTRICT ONE TYPICAL PAVEMENT MARKINGS), AND TC-16 (SHORT TERM PAVEMENT MARKINGS LETTERS AND SYMBOLS) AND PLAN SHEETS FOR PAVEMENT MARKING DETAILS.
4. GRINDING OF PAVEMENT MARKINGS ON NEWLY CONSTRUCTED HOT-MIX ASPHALT SHALL NOT BE PERMITTED.

COMMITMENTS

NONE AS OF 11/03/2021

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 11/5/2021 1:50 PM
FILE NAME: 201725-Cover
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: ILDOT-Standard.ctb

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FILE NAME = 201725-Cover	DRAWN - MPL	REVISED -	
PLOT SCALE = N.T.S.	CHECKED - TW	REVISED -	
PLOT DATE = 11/5/2021	DATE - 11/03/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, DETAILS, HIGHWAY STANDARDS AND GENERAL NOTES

SCALE: N.T.S. | SHEET NO. 01 OF 01 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1157	21-00337-00-RS	KANE	28	02
		CONTRACT NO. 61H41		
	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

		CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY ROADWAY 75% FEDERAL 25% LOCAL 0005
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	250
		25200110	SODDING, SALT TOLERANT	SQ YD	250
		25200200	SUPPLEMENTAL WATERING	UNIT	3.0
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	20,950
		40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	4.0
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	265
	*	40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	1,715
	*	40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	3,490
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	975.0
	*	42400800	DETECTABLE WARNINGS	SQ FT	60
	*	44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	31,100
		44000600	SIDEWALK REMOVAL	SQ FT	975
		44201773	CLASS D PATCHES, TYPE I, 11 INCH	SQ YD	50
		44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	100
		44201781	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	150

* SEE SPECIAL PROVISIONS
t INDICATES SPECIALTY ITEM

COMPANY NAME:
PROJECT CONTACT:
CONTACT:
DATE PLOTTED: 11/5/2021 1:50 PM
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PLOT SCALE = N.T.S.	CHECKED – TW	REVISED –	
PLOT DATE = 11/5/2021	DATE – 11/03/2021	REVISED –	

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET NO. 01 OF 03 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1157	21-00337-00-RS	KANE	28	03
		CONTRACT NO. 61H41		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

		CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY ROADWAY 75% FEDERAL 25% LOCAL 0005
		44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SQ YD	300
		60255500	MANHOLES TO BE ADJUSTED	EACH	1
		60260100	INLETS TO BE ADJUSTED	EACH	31
		60266600	VALVE BOXES TO BE ADJUSTED	EACH	1
	*	67100100	MOBILIZATION	L SUM	1
		70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1
		70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1
		70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1
	*	70300100	SHORT TERM PAVEMENT MARKING	FOOT	3,400
	*	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,130
t		78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	365
t		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	12,550
t		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2,536
t		78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	458
t		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	180

* SEE SPECIAL PROVISIONS
t INDICATES SPECIALTY ITEM

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
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PLOT DATE = 11/5/2021	DATE - 11/03/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET NO. 02 OF 03 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1157	21-00337-00-RS	KANE	28	04
		CONTRACT NO. 61H41		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

		CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY ROADWAY 75% FEDERAL 25% LOCAL 0005
t		78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	365
t		78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	12,550
t		78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	2,536
t		78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	458
t		78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	180
t	*	88600600	DETECTOR LOOP REPLACEMENT	FOOT	1,385
	*	X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	150.0
	*	X6026056	SANITARY MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1
	*	XX008693	HOT-MIX ASPHALT SIDEWALK	SQ YD	100.0
	*	XX008694	HOT-MIX ASPHALT SIDEWALK REMOVAL	SQ YD	100.0
	*	Z0004562	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	650.0
	*	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	103.0
#	*	Z0076600	TRAINEES	HOUR	500
#	*	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500

* SEE SPECIAL PROVISIONS
t INDICATES SPECIALTY ITEM

\# CONSTRUCTION TYPE CODE 0042

COMPANY NAME:
PROJECT CONTACT:
CASE:
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PLOT DATE = 11/5/2021	DATE – 11/03/2021	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET NO. 03 OF 03 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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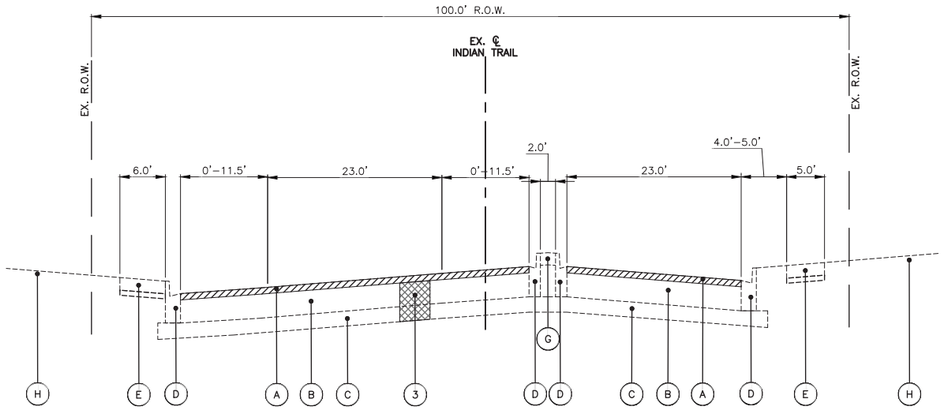
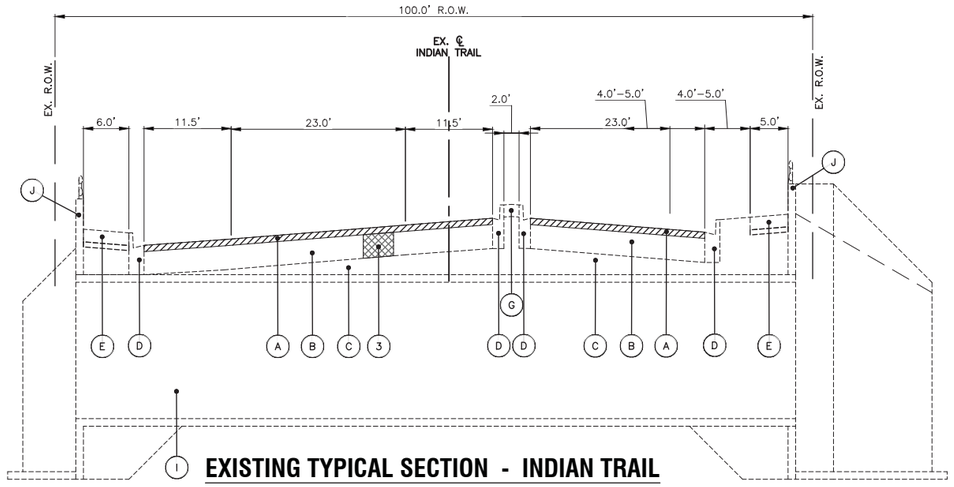
		CONTRACT NO. 61H41		
		ILLINOIS	FED. AID PROJECT	



EXISTING TYPICAL SECTION - INDIAN TRAIL

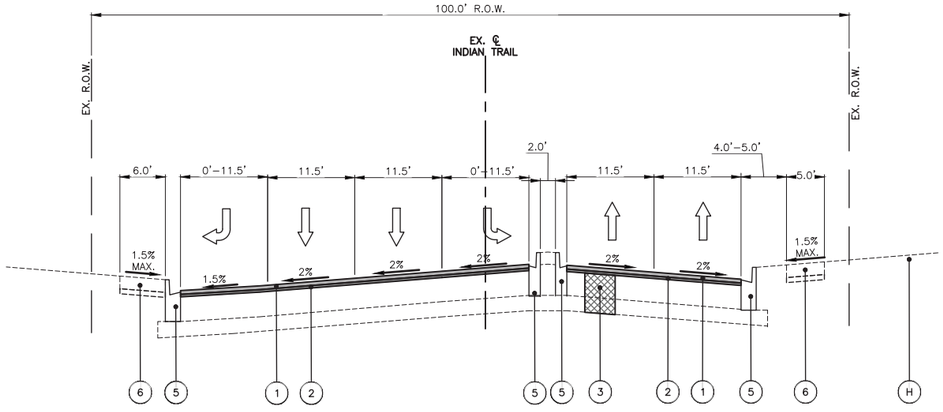
STA: 103+63.2 – STA: 105+50.0



EXISTING TYPICAL SECTION - INDIAN TRAIL AT INDIAN CREEK (SN 045-6016)

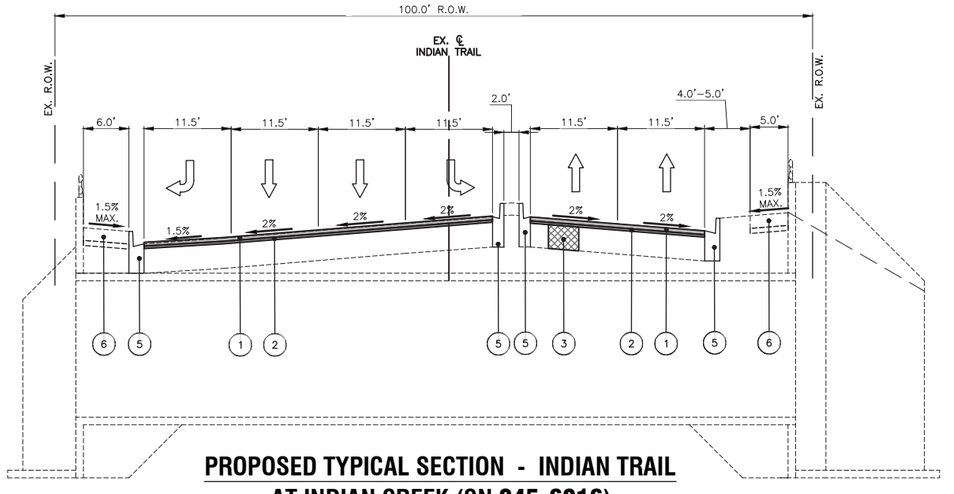
STA: 105+50.0 – STA: 106+28.0

NOTE: "SEE BRIDGE PLANS"



PROPOSED TYPICAL SECTION - INDIAN TRAIL

STA: 103+63.2 – STA: 105+50.0



PROPOSED TYPICAL SECTION - INDIAN TRAIL AT INDIAN CREEK (SN 045-6016)

STA: 105+50.0 – STA: 106+28.0

EXISTING LEGEND

- (A) HOT-MIX ASPHALT SURFACE REMOVAL 3"
- (B) HOT-MIX ASPHALT PAVEMENT
- (C) AGGREGATE SUBBASE
- (D) COMBINATION CONCRETE CURB & GUTTER, VARIES FROM TYPE B-6.12 TO B-6.18
- (E) PORTLAND CEMENT CONCRETE SIDEWALK
- (F) HOT-MIX ASPHALT MULTI-USE PATH
- (G) LANDSCAPED OR PCC MEDIAN
- (H) EXISTING GROUND
- (I) EXISTING CULVERT
- (J) EXISTING CONCRETE PARAPET WITH ALUMINUM RAILING

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

OPERATION	MIXTURE TYPE	AIR VOIDS @ NDES	QMP
PAVEMENT RESURFACING	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70; 2"	4% @ 70 GYR.	QC/QA
	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 1"	3.5% @ 50 GYR.	QC/QA
CLASS D PATCHES	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 11"	4% @ 70 GYR.	QC/QA
HMA SIDEWALK	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70; 2"	4% @ 70 GYR.	QC/QA

QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA).

THE UNIT WEIGHT TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN

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 RECLAIMED MATERIALS SPECIFICATIONS.

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70; 2"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 1"
- (3) CLASS D PATCHES W/SUBBASE GRANULAR MATERIAL, TYPE B, 11"
- (4) PATH REMOVAL AND REPLACEMENT (SPOT LOCATIONS AS DIRECTED BY ENGINEER)
- (5) COMBINATION CONCRETE CURB & GUTTER, VARIES FROM TYPE B-6.12 TO B-6.18 (SPOT REMOVAL & REPLACEMENT AS DIRECTED BY THE ENGINEER)
- (6) PORTLAND CEMENT CONCRETE SIDEWALK REMOVAL AND REPLACEMENT (SPOT LOCATIONS AS DIRECTED BY ENGINEER)

NOTE:

- THE PATCHING QUANTITIES HAVE BEEN ESTIMATED BASED ON FIELD OBSERVATIONS DURING DESIGN. ACTUAL QUANTITIES TO BE DETERMINED DURING CONSTRUCTION BY THE ENGINEER.
- NO PROPOSED WORK WILL TAKE PLACE OUTSIDE OF THE EXISTING R.O.W.

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 11/5/2021 1:51 PM
FILE NAME: 201725-Typ-Sec
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: ILDOT-Standard.ctb

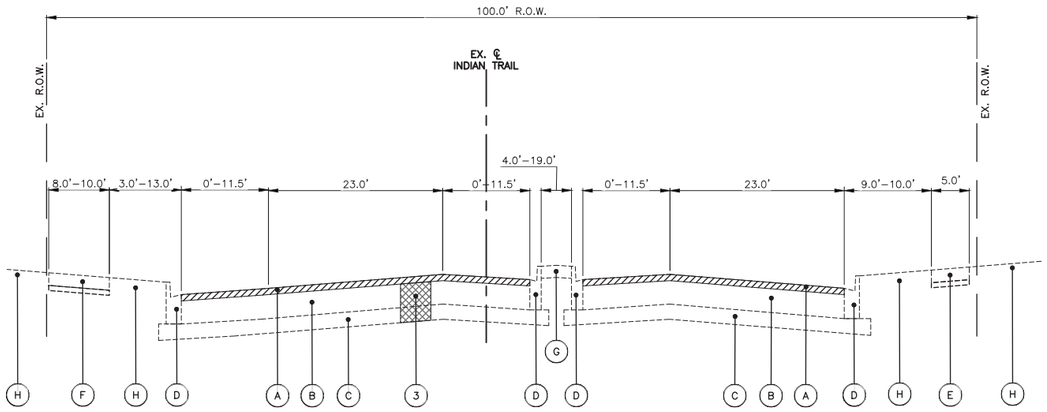
USER NAME = MLEWIS	DESIGNED – MPL	REVISED –	
FILE NAME = 201725-Typ-Sec	DRAWN – MPL	REVISED –	
PLOT SCALE = N.T.S.	CHECKED – TW	REVISED –	
PLOT DATE = 11/5/2021	DATE – 11/03/2021	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

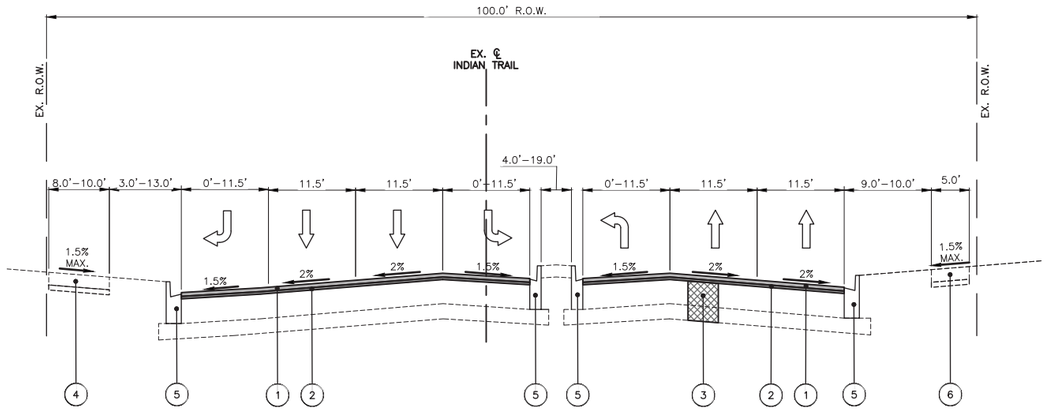
SCALE: N.T.S. | SHEET NO. 01 OF 02 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1157	21-00337-00-RS	KANE	28	06
		CONTRACT NO. 61H41		
	ILLINOIS FED. AID PROJECT			



EXISTING TYPICAL SECTION - INDIAN TRAIL

STA: 106+28.0 – STA: 156+00



PROPOSED TYPICAL SECTION - INDIAN TRAIL

STA: 106+28.0 – STA: 156+00

EXISTING LEGEND

- A — HOT–MIX ASPHALT SURFACE REMOVAL 3"
- B — HOT–MIX ASPHALT PAVEMENT
- C — AGGREGATE SUBBASE
- D — COMBINATION CONCRETE CURB & GUTTER, VARIES FROM TYPE B–6.12 TO B–6.18
- E — PORTLAND CEMENT CONCRETE SIDEWALK
- F — HOT–MIX ASPHALT MULTI–USE PATH
- G — LANDSCAPED OR PCC MEDIAN
- H — EXISTING GROUND
- I — EXISTING CULVERT
- J — EXISTING CONCRETE PARAPET WITH ALUMINUM RAILING

PROPOSED LEGEND

1. HOT–MIX ASPHALT SURFACE COURSE, IL–9.5, MIX "D", N70; 2"
2. POLYMERIZED HOT–MIX ASPHALT BINDER COURSE, IL–4.75, N50; 1"
3. CLASS D PATCHES W/SUBBASE GRANULAR MATERIAL, TYPE B, 11"
4. PATH REMOVAL AND REPLACEMENT (SPOT LOCATIONS AS DIRECTED BY ENGINEER)
5. COMBINATION CONCRETE CURB & GUTTER, VARIES FROM TYPE B–6.12 TO B–6.18 (SPOT REMOVAL & REPLACEMENT AS DIRECTED BY THE ENGINEER)
6. PORTLAND CEMENT CONCRETE SIDEWALK REMOVAL AND REPLACEMENT (SPOT LOCATIONS AS DIRECTED BY ENGINEER)

NOTE:

- THE PATCHING QUANTITIES HAVE BEEN ESTIMATED BASED ON FIELD OBSERVATIONS DURING DESIGN. ACTUAL QUANTITIES TO BE DETERMINED DURING CONSTRUCTION BY THE ENGINEER.
- NO PROPOSED WORK WILL TAKE PLACE OUTSIDE OF THE EXISTING R.O.W.

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 11/5/2021 1:51 PM
FILE NAME: 201725-Typ-Sec
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: IDOT-Standard.ctb

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PLOT DATE = 11/5/2021	DATE – 11/03/2021	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: N.T.S. | SHEET NO. 02 OF 02 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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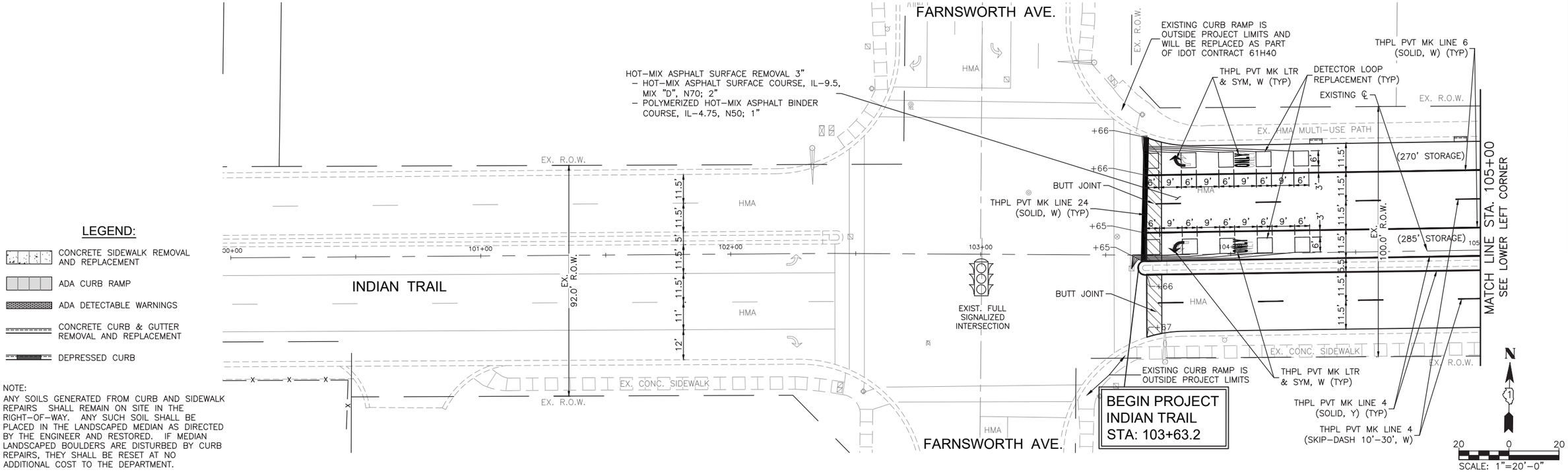
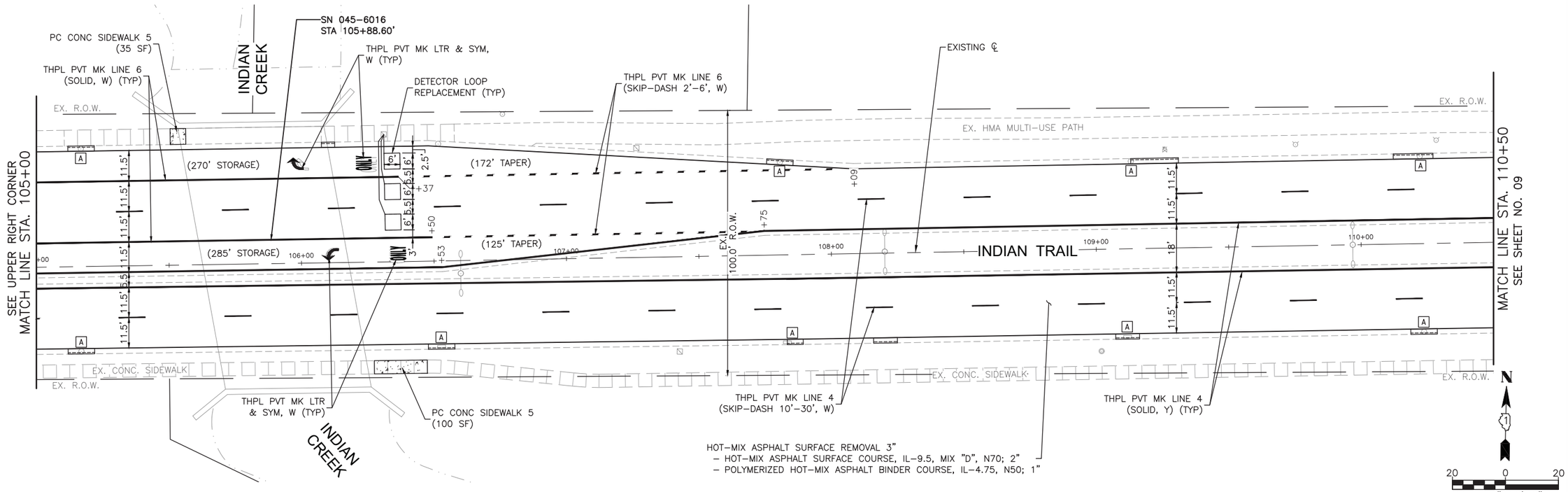
		CONTRACT NO. 61H41		
	ILLINOIS	FED. AID PROJECT		





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CLIENT:
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FILE NAME: 201725-Resurf-Plan
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: ILDOT-Standard.ctb

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PLOT DATE = 11/5/2021	DATE – 11/03/2021	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RESURFACING PLAN

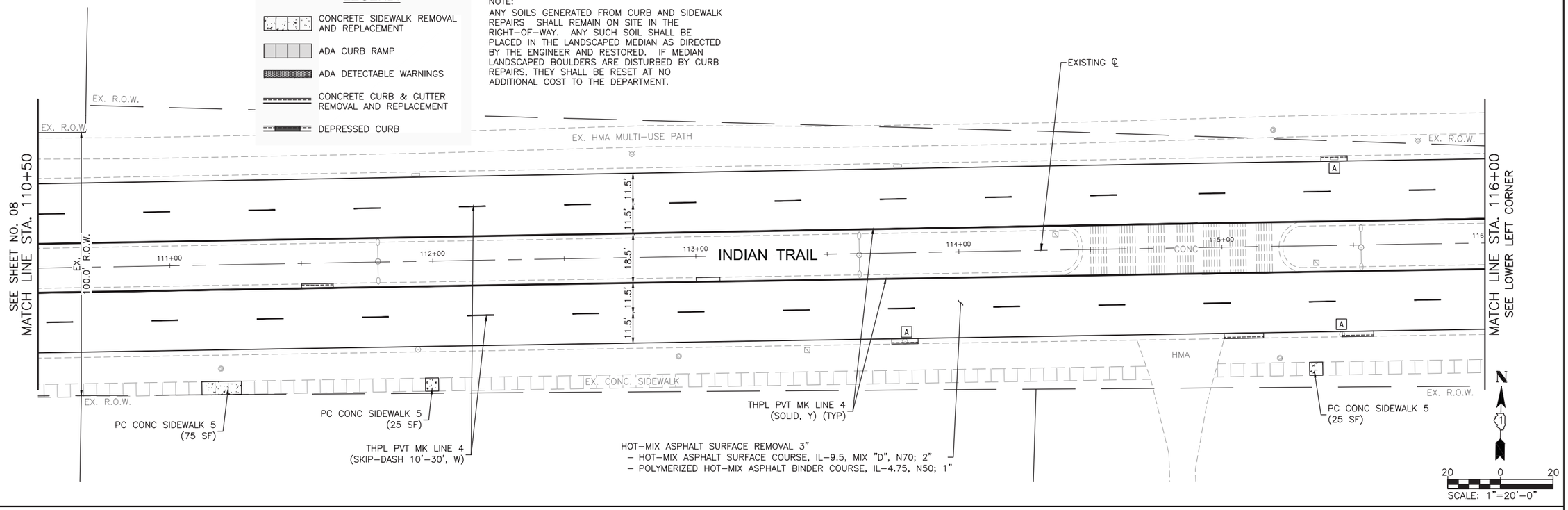
SCALE: 1"=20' | SHEET NO. 01 OF 06 SHEETS | STA. 100+00 TO STA. 110+50

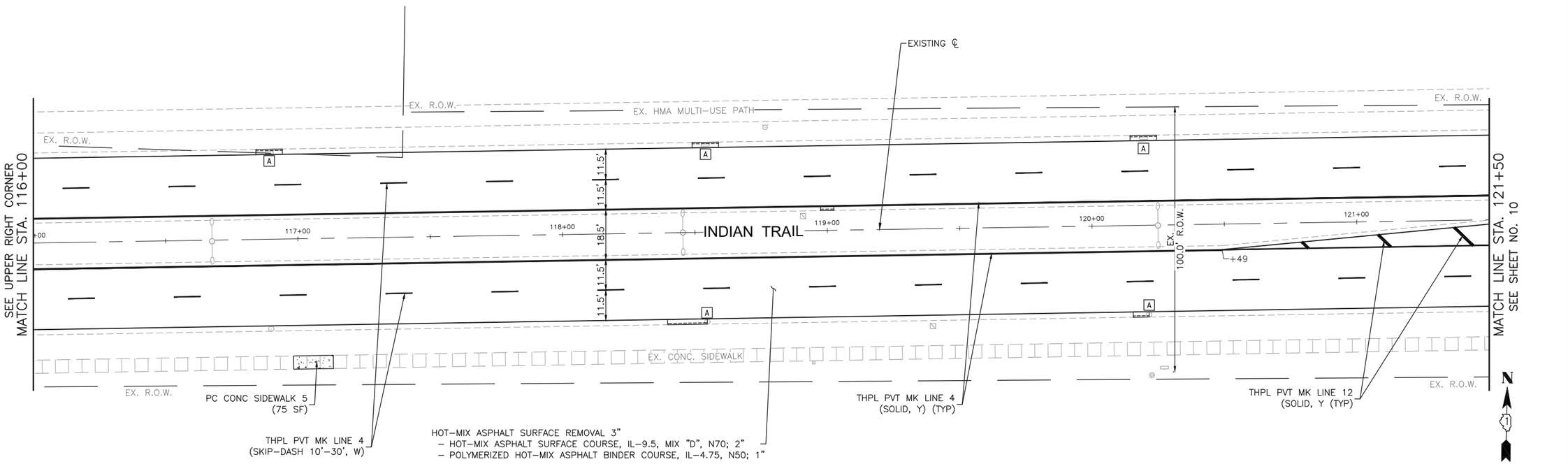
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1157	21-00337-00-RS	KANE	28	08
		CONTRACT NO. 61H41		
		ILLINOIS	FED. AID PROJECT	

LEGEND:

- CONCRETE SIDEWALK REMOVAL AND REPLACEMENT
- ADA CURB RAMP
- ADA DETECTABLE WARNINGS
- CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT
- DEPRESSED CURB

NOTE:
ANY SOILS GENERATED FROM CURB AND SIDEWALK REPAIRS SHALL REMAIN ON SITE IN THE RIGHT–OF–WAY. ANY SUCH SOIL SHALL BE PLACED IN THE LANDSCAPED MEDIAN AS DIRECTED BY THE ENGINEER AND RESTORED. IF MEDIAN LANDSCAPED BOULDERS ARE DISTURBED BY CURB REPAIRS, THEY SHALL BE RESET AT NO ADDITIONAL COST TO THE DEPARTMENT.





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CLIENT:
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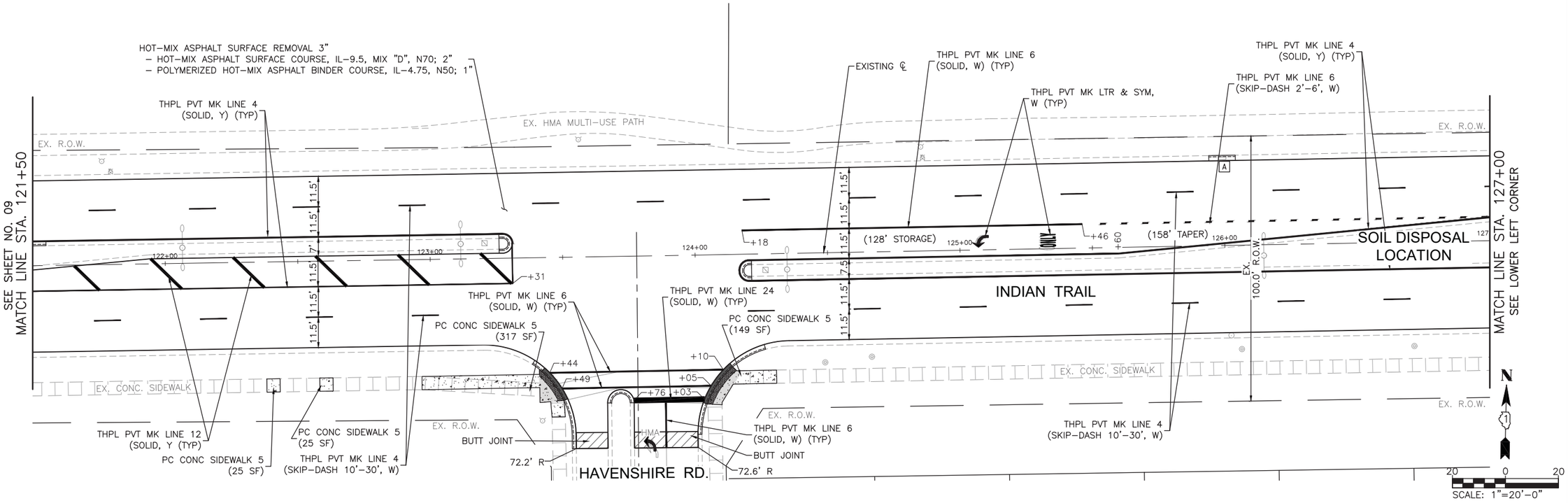
PLOT DATE = 11/5/2021	DATE – 11/03/2021	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RESURFACING PLAN

SCALE: 1"=20' | SHEET NO. 02 OF 06 SHEETS | STA. 110+50 TO STA. 121+50

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1157	21–00337–00–RS	KANE	28	09
		CONTRACT NO. 61H41		
	ILLINOIS FED. AID PROJECT			



LEGEND:

- CONCRETE SIDEWALK REMOVAL AND REPLACEMENT
- ADA CURB RAMP
- ADA DETECTABLE WARNINGS
- CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT
- DEPRESSED CURB

NOTE:
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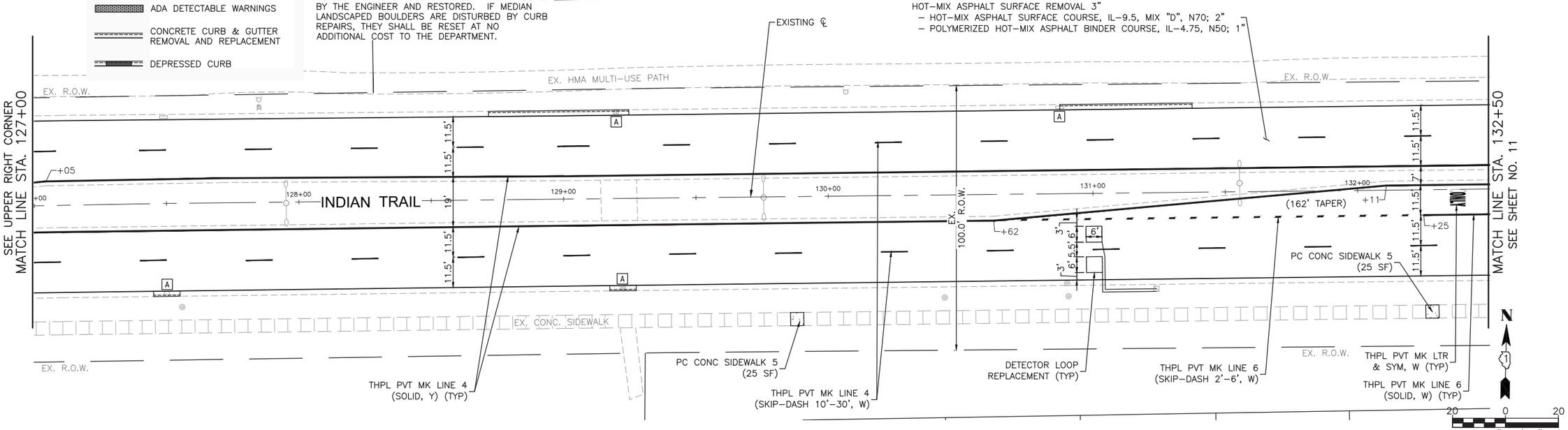

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PLOT DATE = 11/5/2021	DATE – 11/03/2021	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RESURFACING PLAN

SCALE: 1"=20' | SHEET NO. 03 OF 06 SHEETS | STA. 121+50 TO STA. 132+50

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1157	21-00337-00-RS	KANE	28	10
		CONTRACT NO. 61H41		
	ILLINOIS	FED. AID PROJECT		

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 11/5/2021 1:53 PM
FILE NAME: 201725-Resurf-Plan
PLOT DRIVER: DWG To PDF.pc3
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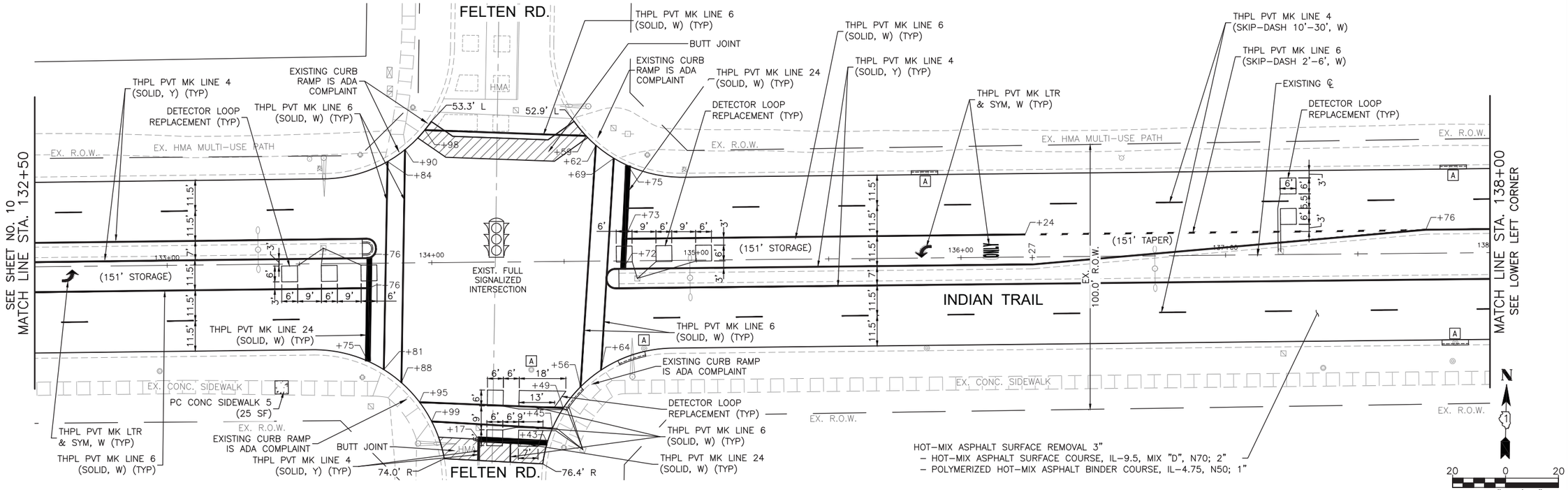
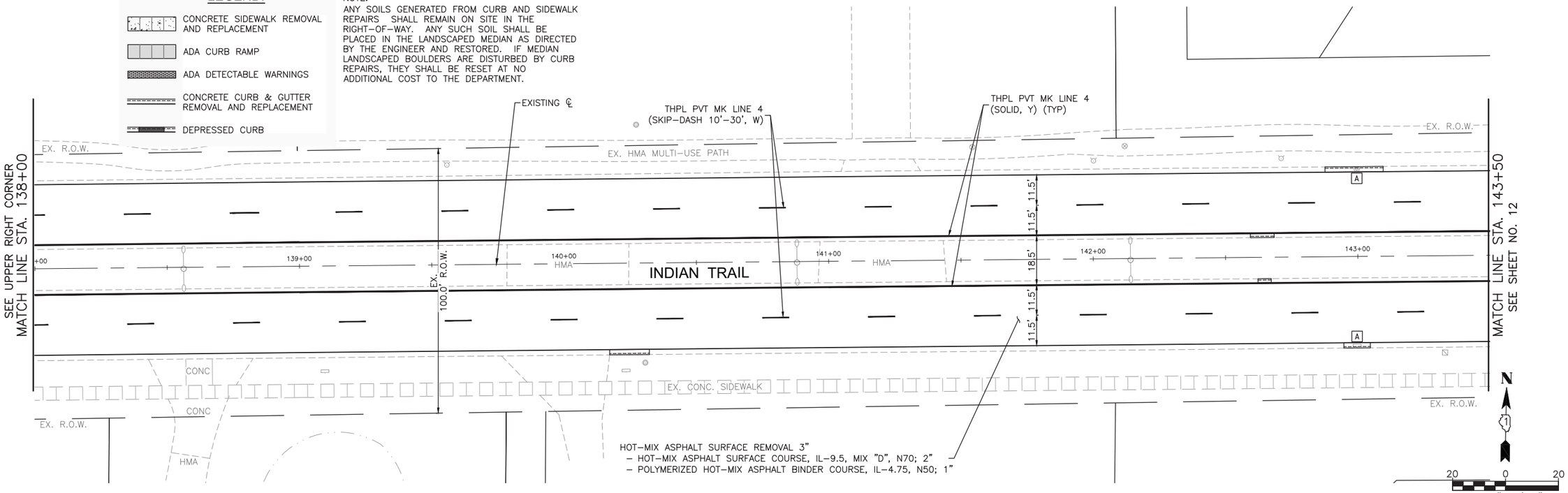


LEGEND:

- CONCRETE SIDEWALK REMOVAL AND REPLACEMENT
- ADA CURB RAMP
- ADA DETECTABLE WARNINGS
- CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT
- DEPRESSED CURB

NOTE:
ANY SOILS GENERATED FROM CURB AND SIDEWALK REPAIRS SHALL REMAIN ON SITE IN THE RIGHT-OF-WAY. ANY SUCH SOIL SHALL BE PLACED IN THE LANDSCAPED MEDIAN AS DIRECTED BY THE ENGINEER AND RESTORED. IF MEDIAN LANDSCAPED BOULDERS ARE DISTURBED BY CURB REPAIRS, THEY SHALL BE RESET AT NO ADDITIONAL COST TO THE DEPARTMENT.



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PLOT DATE = 11/5/2021	DATE – 11/03/2021	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RESURFACING PLAN

SCALE: 1"=20' | SHEET NO. 04 OF 06 SHEETS | STA. 132+50 TO STA. 143+50

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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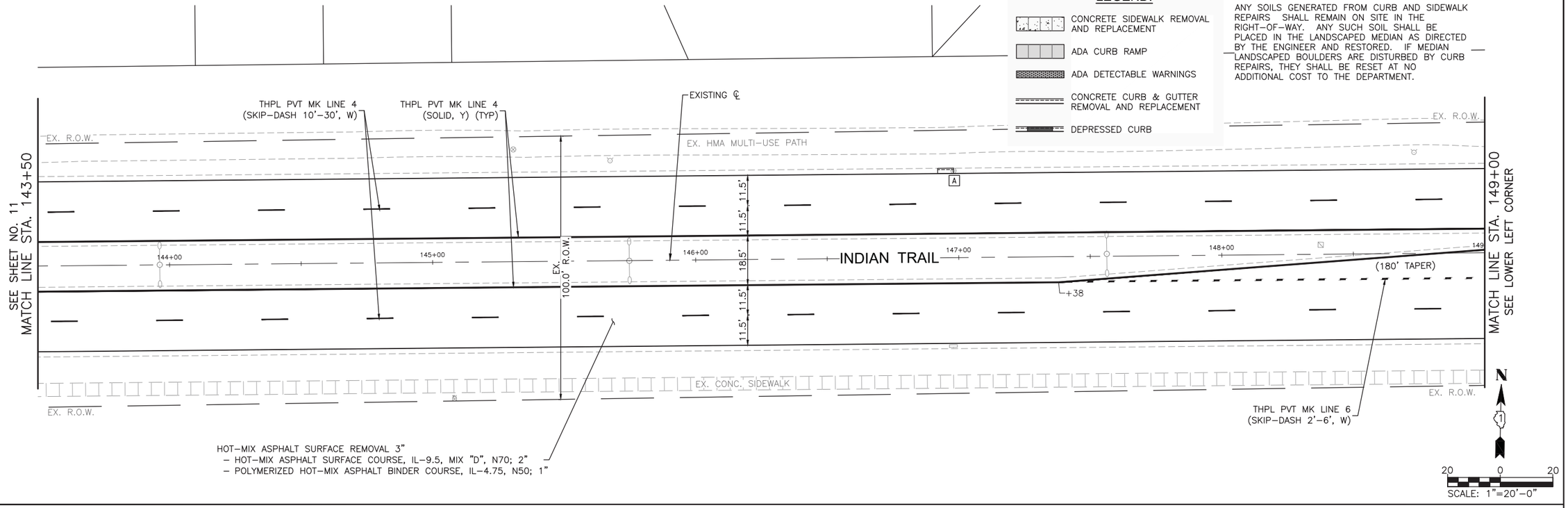
		CONTRACT NO. 61H41		
		ILLINOIS	FED. AID PROJECT	



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PLOT DATE = 11/5/2021	DATE – 11/03/2021	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RESURFACING PLAN

SCALE: 1"=20' | SHEET NO. 05 OF 06 SHEETS | STA. 143+50 TO STA. 154+50

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1157	21–00337–00–RS	KANE	28	12
		CONTRACT NO. 61H41		
	ILLINOIS FED. AID PROJECT			

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
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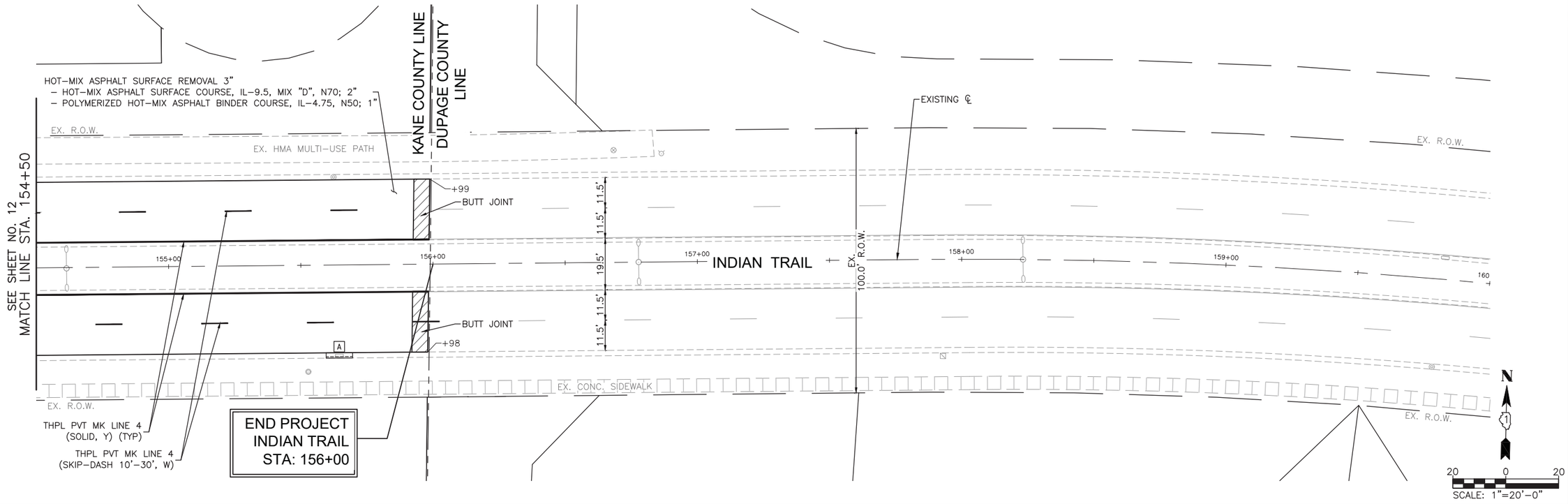

LEGEND:

- CONCRETE SIDEWALK REMOVAL AND REPLACEMENT
- ADA CURB RAMP
- ADA DETECTABLE WARNINGS
- CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT
- DEPRESSED CURB

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CLIENT:
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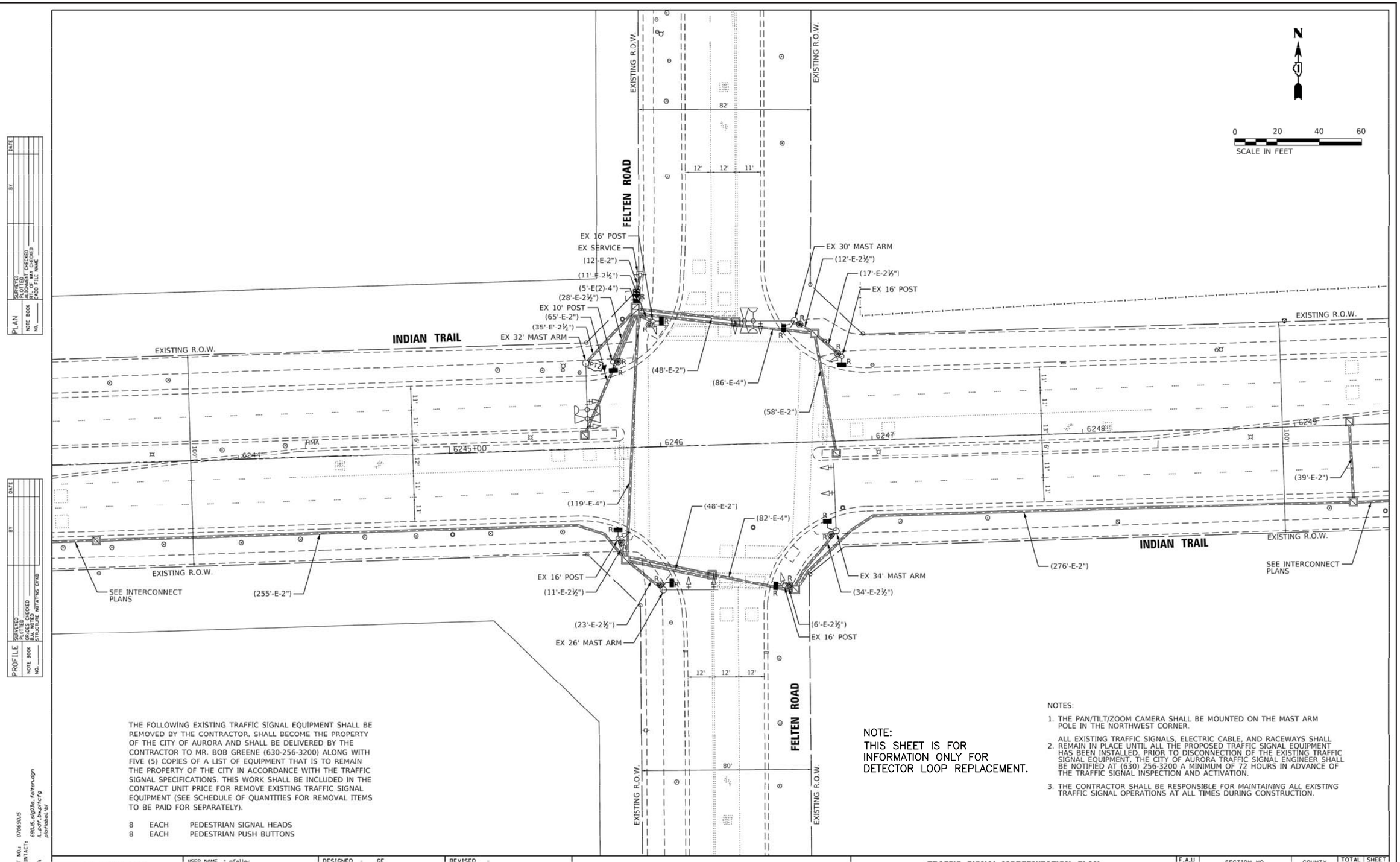
PLOT SCALE = 1"=20'	CHECKED – TW	REVISED –	
PLOT DATE = 11/5/2021	DATE – 11/03/2021	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RESURFACING PLAN

SCALE: 1"=20' | SHEET NO. 06 OF 06 SHEETS | STA. 154+50 TO STA. 160+00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1157	21-00337-00-RS	KANE	28	13
		CONTRACT NO. 61H41		
	ILLINOIS	FED. AID PROJECT		



PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
MISC. NOTES
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
MISC. NOTES
STRUCTURE NO(S)/RTE CD'KD
NOTE BOOK
NO.
BY
DATE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL BECOME THE PROPERTY OF THE CITY OF AURORA AND SHALL BE DELIVERED BY THE CONTRACTOR TO MR. BOB GREENE (630-256-3200) ALONG WITH FIVE (5) COPIES OF A LIST OF EQUIPMENT THAT IS TO REMAIN THE PROPERTY OF THE CITY IN ACCORDANCE WITH THE TRAFFIC SIGNAL SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT (SEE SCHEDULE OF QUANTITIES FOR REMOVAL ITEMS TO BE PAID FOR SEPARATELY).

8 EACH PEDESTRIAN SIGNAL HEADS
8 EACH PEDESTRIAN PUSH BUTTONS

NOTE:
THIS SHEET IS FOR INFORMATION ONLY FOR DETECTOR LOOP REPLACEMENT.

NOTES:

1. THE PAN/TILT/ZOOM CAMERA SHALL BE MOUNTED ON THE MAST ARM POLE IN THE NORTHWEST CORNER.
2. ALL EXISTING TRAFFIC SIGNALS, ELECTRIC CABLE, AND RACEWAYS SHALL REMAIN IN PLACE UNTIL ALL THE PROPOSED TRAFFIC SIGNAL EQUIPMENT HAS BEEN INSTALLED. PRIOR TO DISCONNECTION OF THE EXISTING TRAFFIC SIGNAL EQUIPMENT, THE CITY OF AURORA TRAFFIC SIGNAL ENGINEER SHALL BE NOTIFIED AT (630) 256-3200 A MINIMUM OF 72 HOURS IN ADVANCE OF THE TRAFFIC SIGNAL INSPECTION AND ACTIVATION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING TRAFFIC SIGNAL OPERATIONS AT ALL TIMES DURING CONSTRUCTION.

HRG PROJECT NO.: 070690.05
HRG PROJ. CONTACT: BMS
PLOT NAME: 690.05_sig3a_felten.dgn
PLOT DRIVER: ti_pdf_bw.prtcfg
PEN TABLE: plotlabel.tbl

HRGreen
HRGreen.com
Illinois Professional Design Firm
184-001322

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	DRAWN - CF		REVISED -
PLOT SCALE =	CHECKED - MJF		REVISED -
PLOT DATE = 12/31/2018	DATE - 10/3/2018		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
INDIAN TRAIL AND FELTEN ROAD

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

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1503	18-00322-00-TL	KANE/DUPAGE	44	20
		CONTRACT NO. 61F59		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 11/5/2021 1:55 PM
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PLOT DRIVER: DWG To PDF.pc3
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PLOT DATE = 11/5/2021	DATE - 11/03/2021		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDIAN TRAIL AND FELTEN RD. TRAFFIC SIGNAL PLAN

SCALE: N.T.S. | SHEET NO. 01 OF 01 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1157	21-00337-00-RS	KANE	28	14
		CONTRACT NO. 61H41		
	ILLINOIS	FED. AID PROJECT		

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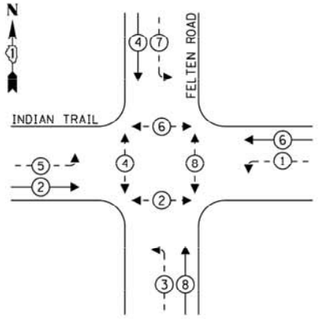
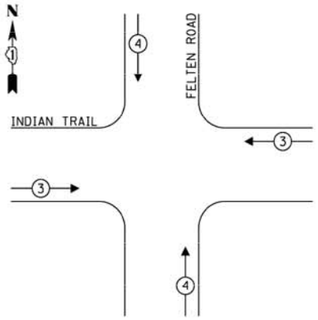
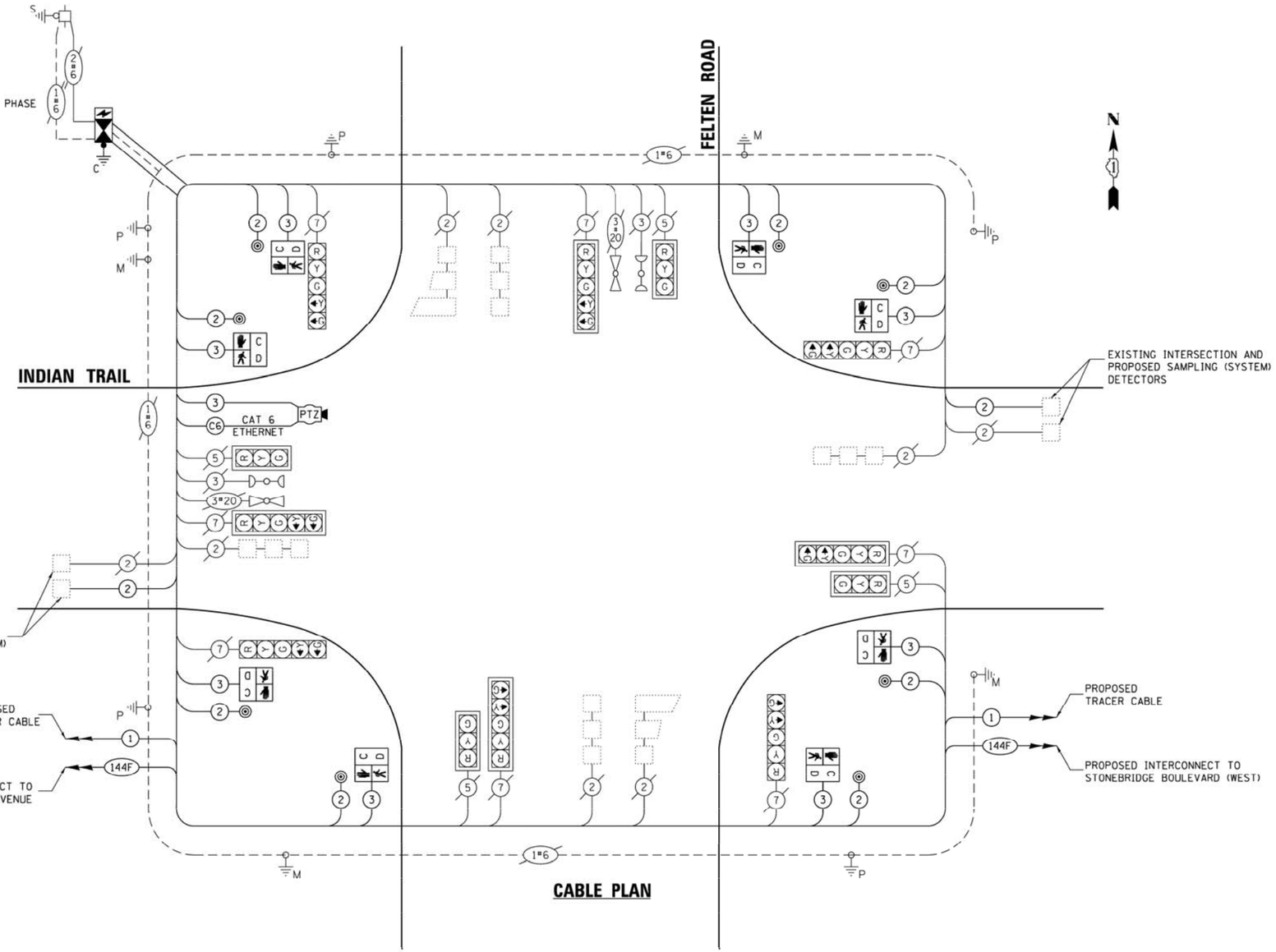


EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP



CABLE PLAN

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	593.8

ENERGY COSTS TO:

CITY OF AURORA
44 E DOWNER PLACE
AURORA, IL 60507

ENERGY SUPPLY: CONTACT: MARK SCHERIBEL
PHONE: (630) 723-2128
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

NOTE:
THIS SHEET IS FOR INFORMATION ONLY FOR DETECTOR LOOP REPLACEMENT.

PLAN / PROFILE: SURVEYED, PLOTTED, ALIGNMENT CHECKED, GRADES CHECKED, BM & NAVD88, STRUCTURE NO(TYPE)S CKD, NOTE BOOK, NO.___, CADD FILE NAME, BY, DATE

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HRG PROJ. CONTACT: 690.5.sig03c.felten.dgn
FILE NAME: il_prf.bwptcfg
PLOT DRIVER: plotbat.tbl
PEN TABLE:

HRGreen.com
Illinois Professional Design Firm # 184-001322
HRGreen

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	DRAWN - GF		REVISED -
PLOT SCALE =	CHECKED - MJF		REVISED -
PLOT DATE = 12/31/2018	DATE - 10/3/2018		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
INDIAN TRAIL AND FELTEN ROAD

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

F.A.I. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1503	18-00322-00-TL	KANE/DUPAGE	44	21
		CONTRACT NO. 61F59		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 11/5/2021 1:55 PM
FILE NAME: 201725-Details
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: SEC-Standard.ctb

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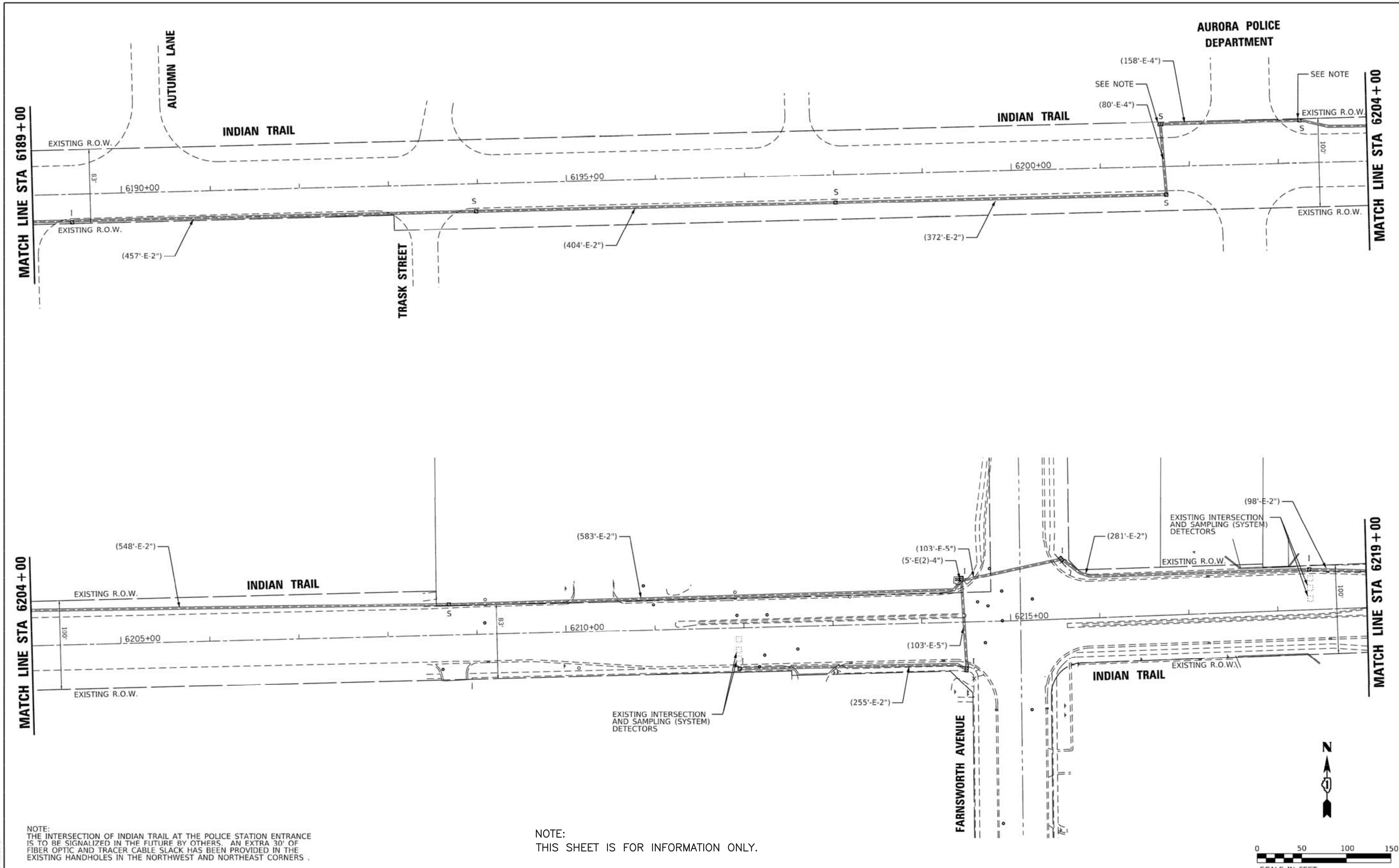
PLOT SCALE = N.T.S.	CHECKED - TW	REVISED -
PLOT DATE = 11/5/2021	DATE - 11/03/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDIAN TRAIL AND FELTEN RD. CABLE PLAN

SCALE: N.T.S. | SHEET NO. 01 OF 01 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1157	21-00337-00-RS	KANE	28	15
		CONTRACT NO. 61H41		
		ILLINOIS	FED. AID PROJECT	



NOTE:
THE INTERSECTION OF INDIAN TRAIL AT THE POLICE STATION ENTRANCE IS TO BE SIGNALIZED IN THE FUTURE BY OTHERS. AN EXTRA 30' OF FIBER OPTIC AND TRACER CABLE SLACK HAS BEEN PROVIDED IN THE EXISTING HANDHOLES IN THE NORTHWEST AND NORTHEAST CORNERS .

NOTE:
THIS SHEET IS FOR INFORMATION ONLY.

PLAN: NOTE BOOK NO. — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME — BY — DATE

PROFILE: NOTE BOOK NO. — SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATIONS CHKD — BY — DATE

HRG PROJECT NO.: 070690J5
HRG PROJ. CONTACT:
FILE NAME: 690J5_sig_Int03.dgn
PLOT DRIVER: IL_pdf_bw.pltcfg
PEN TABLE: plotdoc4.tbl

HRGreen.com
Illinois Professional Design Firm # 184-001322
HRGreen

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	DRAWN - GF	REVISED -	
PLOT SCALE =	CHECKED - MJF	REVISED -	
PLOT DATE = 12/31/2018	DATE - 10/3/2018	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN (SHEET 3 OF 7)
INDIAN TRAIL
IL 25 TO PENNSBURY LANE

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

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1503	18-00322-00-TL	KANE/DUPAGE	44	37
		CONTRACT NO. 61F59		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
DATE PLOTTED: 11/5/2021 1:55 PM
FILE NAME: 201725-Details
PLOT DRIVER: DWG To PDF.pc3
PEN TABLE: SEC-Standard.ctb

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PLOT DATE = 11/5/2021	DATE – 11/03/2021	REVISED –

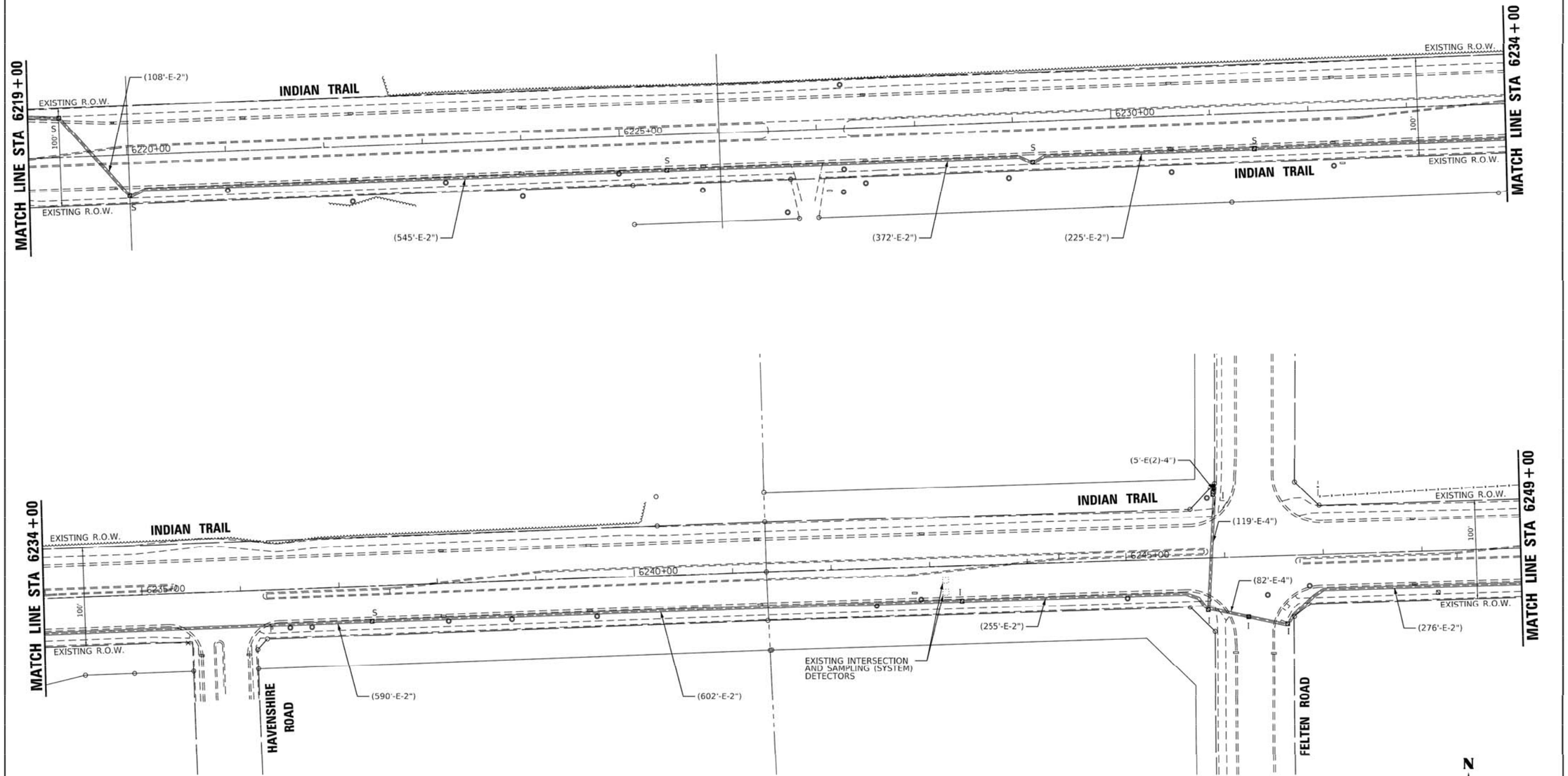
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDIAN TRAIL EXISING INTERCONNECT PLAN

SCALE: N.T.S. | SHEET NO. 01 OF 03 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1157	21-00337-00-RS	KANE	28	16
		CONTRACT NO. 61H41		

ILLINOIS | FED. AID PROJECT



NOTE:
THIS SHEET IS FOR INFORMATION ONLY.

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PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
BEAM NO. ASSIGNED
NOTE BOOK
NO.
CADD FILE NAME
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
BEAM NO. ASSIGNED
NOTE BOOK
NO.
STRUCTURE NO(S)/ITHS CK'KD
BY
DATE

HRG PROJECT NO.: 070690J5
HRG PROJ. CONTACT: GF
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HRGreen
HRGreen.com
Illinois Professional Design Firm
184-001322

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PLOT DATE = 12/31/2018	DATE - 10/3/2018		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN (SHEET 4 OF 7)
INDIAN TRAIL
IL 25 TO PENNSBURY LANE

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

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1503	18-00322-00-TL	KANE/DUPAGE	44	38
		CONTRACT NO. 61F59		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
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PLOT DATE = 11/5/2021	DATE - 11/03/2021		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDIAN TRAIL EXISING INTERCONNECT PLAN

SCALE: N.T.S. | SHEET NO. 02 OF 03 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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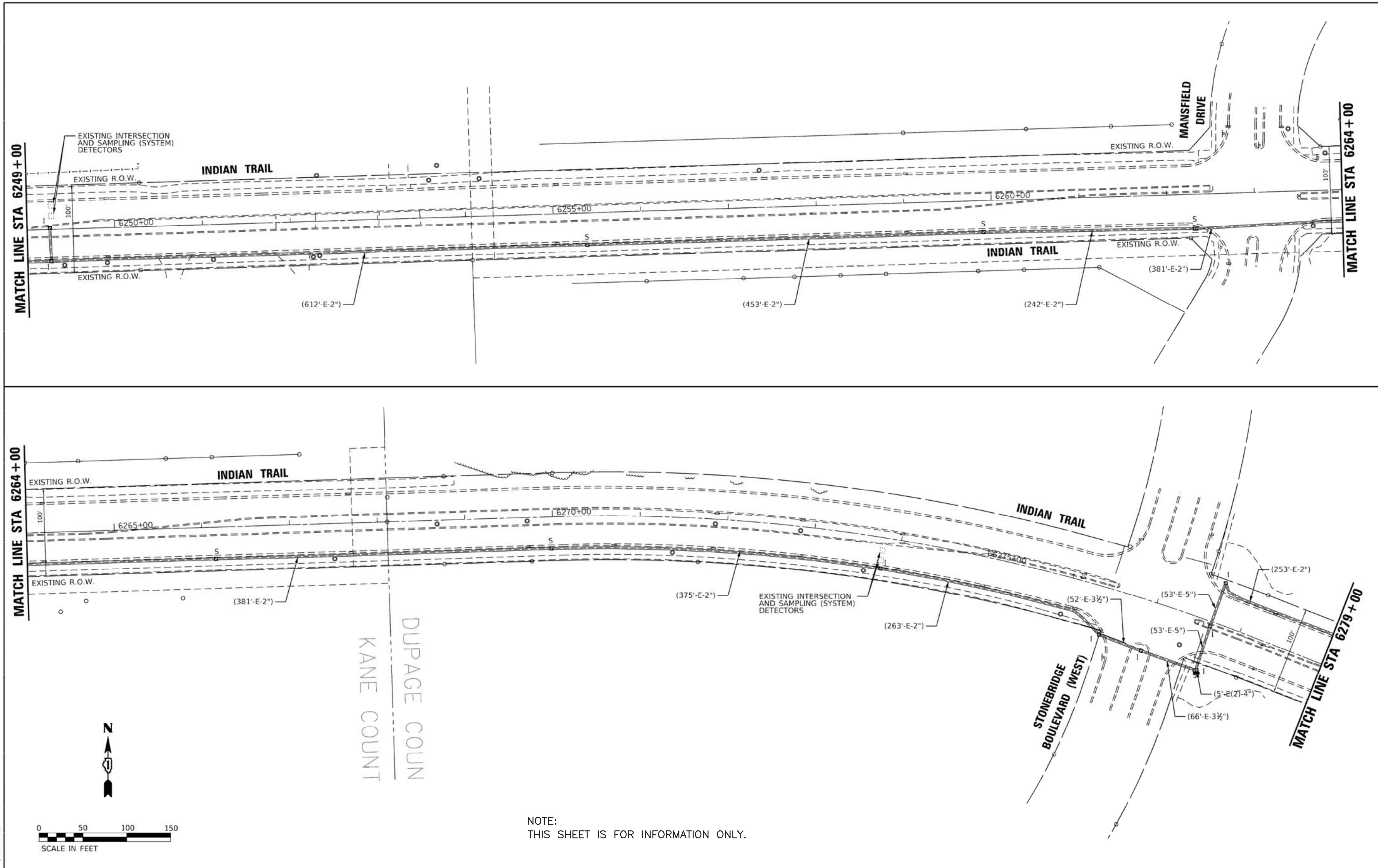
	ILLINOIS	FED. AID PROJECT		



NOTE:
THIS SHEET IS FOR INFORMATION ONLY.

PLAN: NOTE BOOK NO. ___ SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME — BY — DATE

PROFILE: NOTE BOOK NO. ___ SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATIONS CHKD — BY — DATE

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HRG PROJ. CONTACT:
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HRGreen.com — Illinois Professional Design Firm # 184-001322

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	DRAWN - GF	REVISED -
PLOT SCALE =	CHECKED - MJF	REVISED -
PLOT DATE = 12/31/2018	DATE - 10/3/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN (SHEET 5 OF 7)
INDIAN TRAIL
IL 25 TO PENNSBURY LANE

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

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1503	18-00322-00-TL	KANE/DUPAGE	44	39
		CONTRACT NO. 61F59		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
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PLOT DATE = 11/5/2021	DATE – 11/03/2021	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDIAN TRAIL EXISING INTERCONNECT PLAN

SCALE: N.T.S. | SHEET NO. 03 OF 03 SHEETS | STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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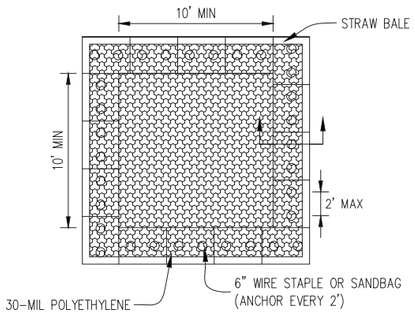
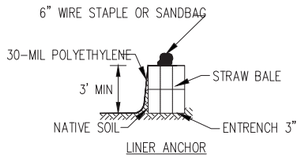
		CONTRACT NO. 61H41		

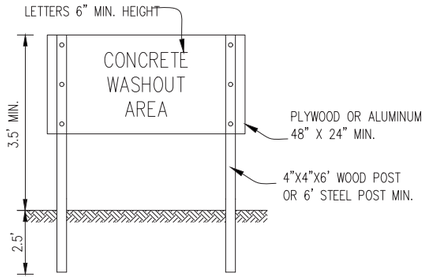
ILLINOIS | FED. AID PROJECT



PLAN VIEW



STRAW BALE ANCHOR SECTIONS



SIGN DETAIL

NOTES:

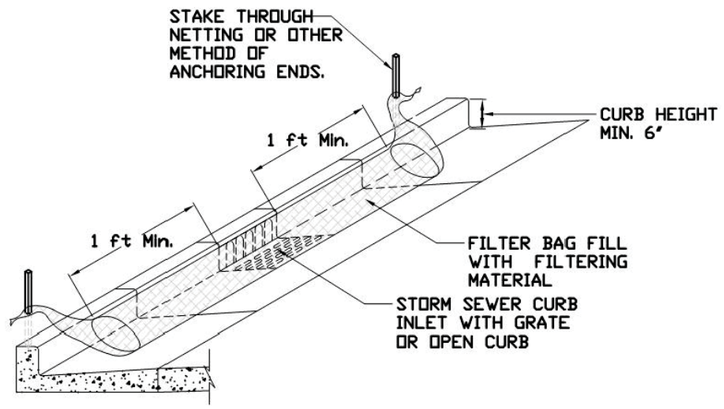
1. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDEND CONCRETE AND/OR SLURRY AND RETURNING THE FACILIITIES TO A FUNCTIONAL CONDITION.
2. FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.
3. EACH STRAW BALE IS TO BE STAKED IN PLACE USING (2) 2"X2"X4' WOODEN STAKES.

Sheet 1 of 3 | Drawing No. | File No. IUM-565

TEMPORARY CONCRETE WASHOUT FACILITY - STRAW BALE

Designed — Date
Drawn B. JOHNSON 6/08
Checked
Approved

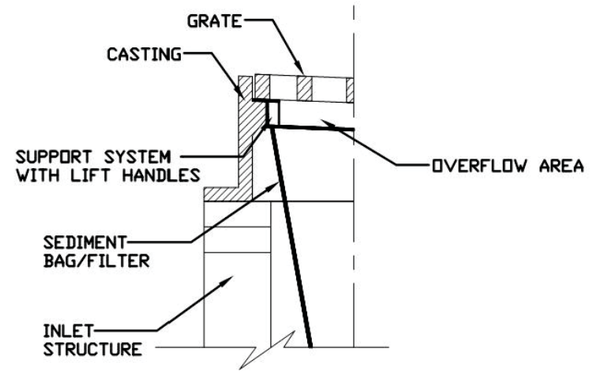
INLET PROTECTION - PAVED AREAS CURB PROTECTION

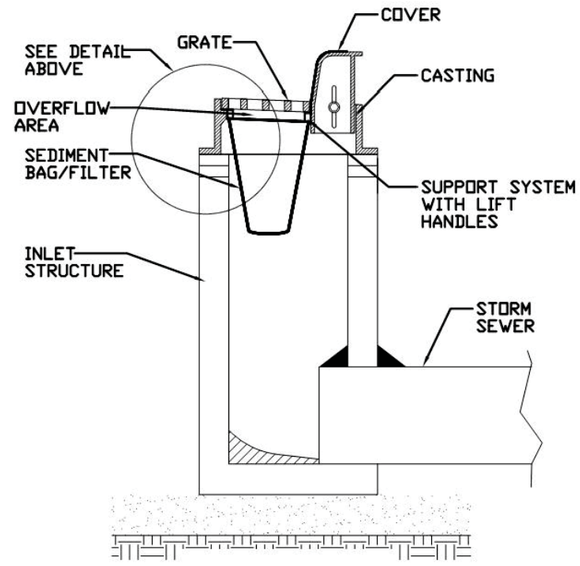


REFERENCE
Project
Designed Date
Checked Date
Approved Date

STANDARD DWG. NO.
IUM-561C
SHEET 1 OF 1
DATE 01-11-11

INLET PROTECTION - PAVED AREAS DROP-IN PROTECTION





REFERENCE
Project
Designed Date
Checked Date
Approved Date

STANDARD DWG. NO.
IUM-561D
SHEET 1 OF 1
DATE 01-11-11

COMPANY NAME:
PROJECT CONTACT:
CLIENT:
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PLOT DATE = 11/5/2021	DATE - 11/03/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS

SCALE: N.T.S. | SHEET NO. 01 OF 01 SHEETS | STA. | TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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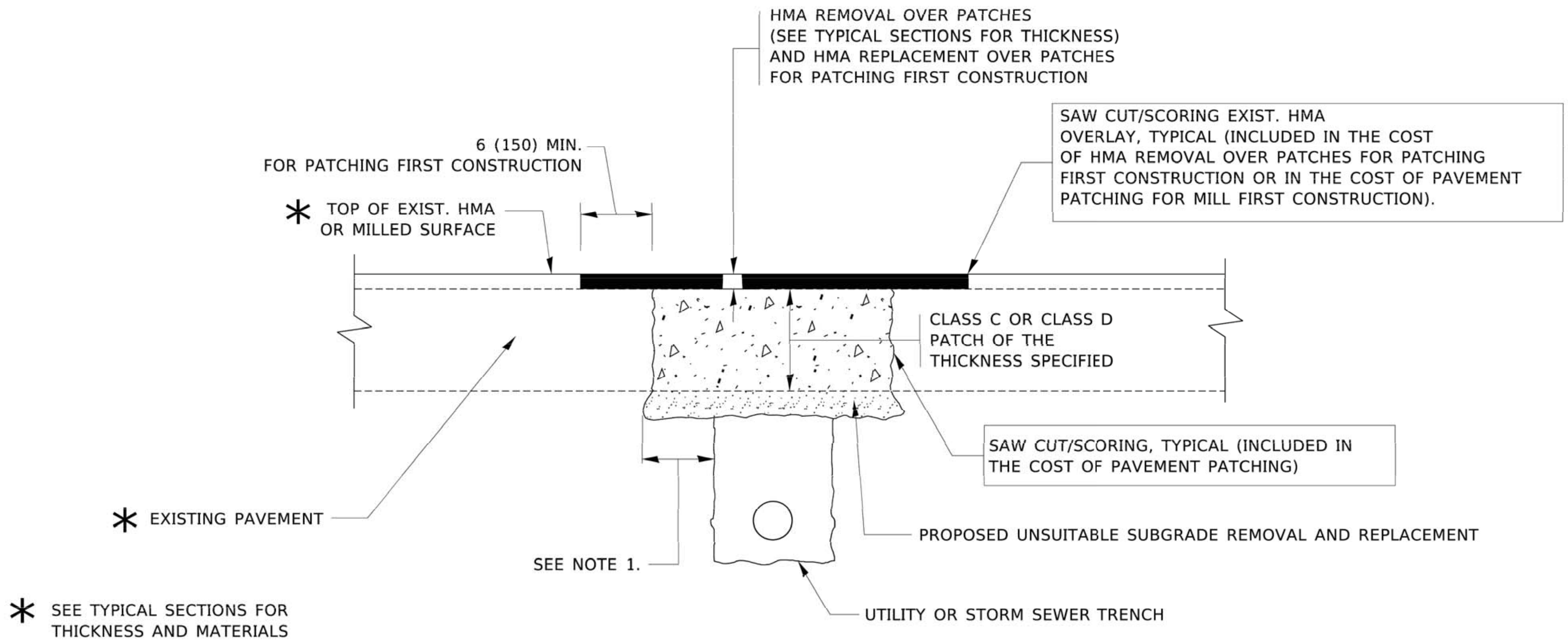
		CONTRACT NO. 61H41		
	ILLINOIS FED. AID PROJECT			



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 4½ 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.

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USER NAME = footemj	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED - R. BORO 01-01-07	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. BORO 09-04-07	
PLOT DATE = 3/27/2019	DATE - 10-25-94	REVISED - K. ENG 10-27-08	

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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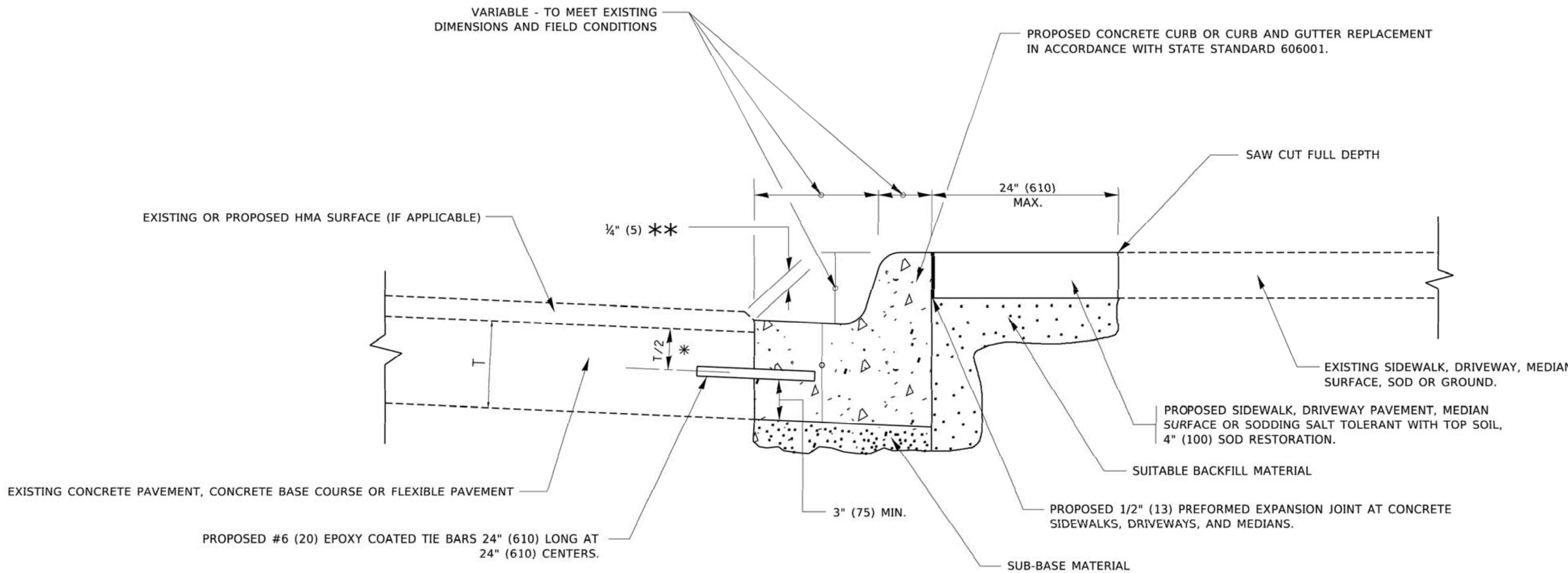
BD400-04 (BD-22)		CONTRACT NO. 61H41		
		ILLINOIS FED. AID PROJECT		



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

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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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USER NAME = footemj	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED - M. GOMEZ 01-22-01	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. BORO 12-15-09	
PLOT DATE = 7/11/2019	DATE - 03-11-94	REVISED - K. SMITH 07-11-19	

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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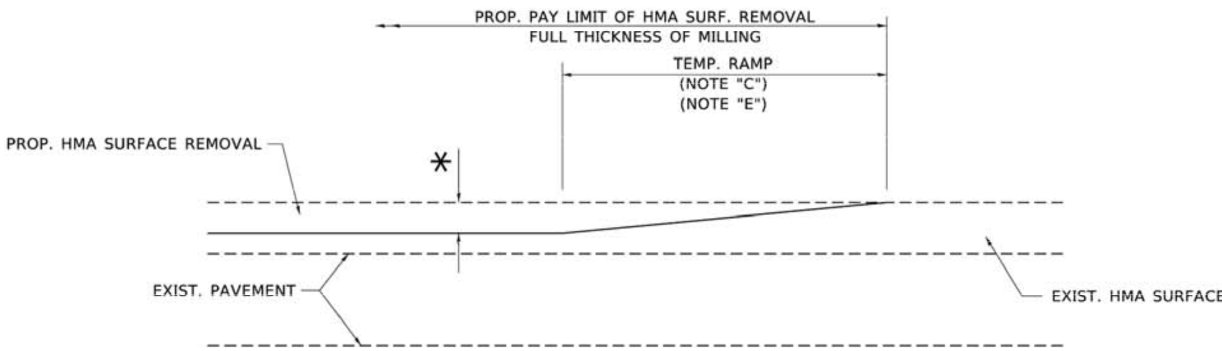
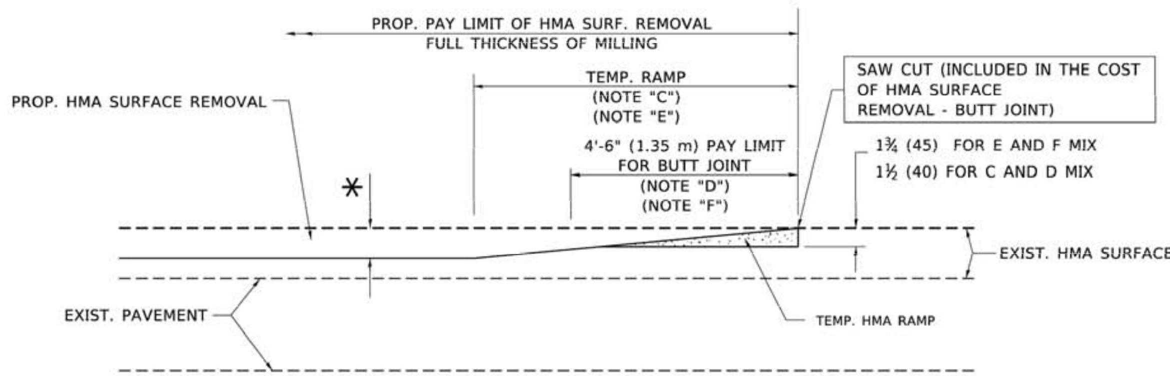
BD600-06 (BD-24)		CONTRACT NO. 61H41		
		ILLINOIS FED. AID PROJECT		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

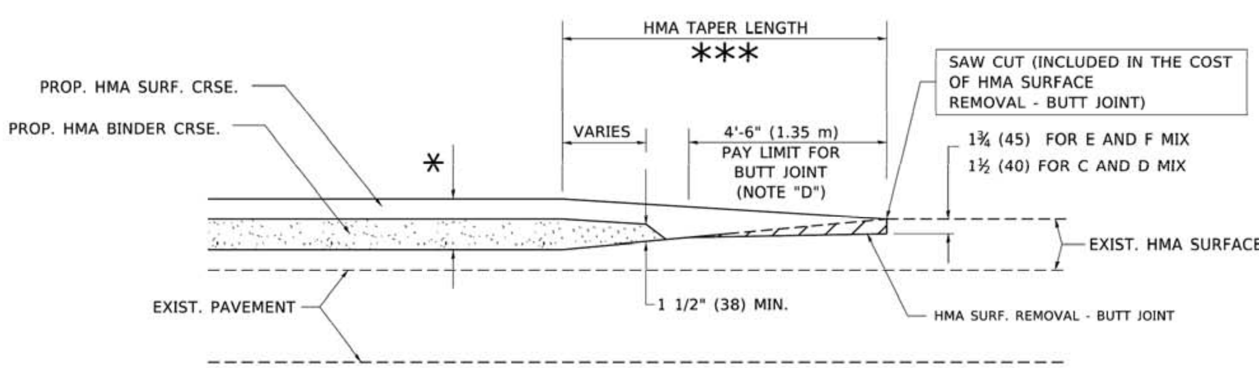


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

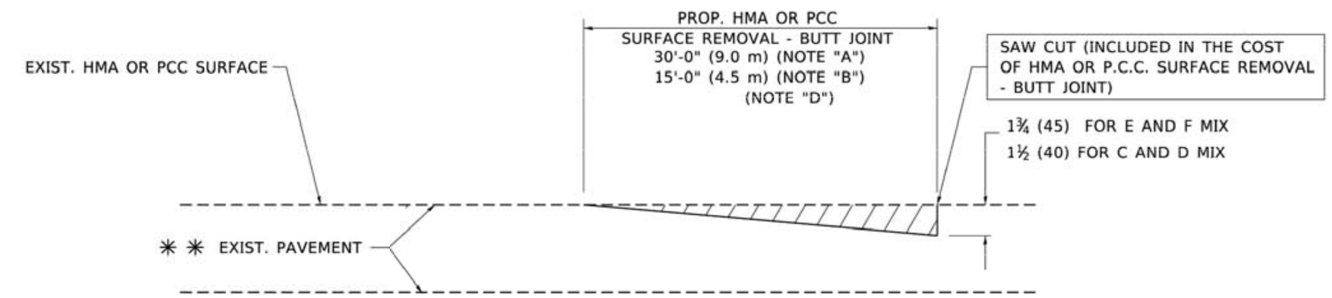
OPTION 2

TYPICAL TEMPORARY RAMP

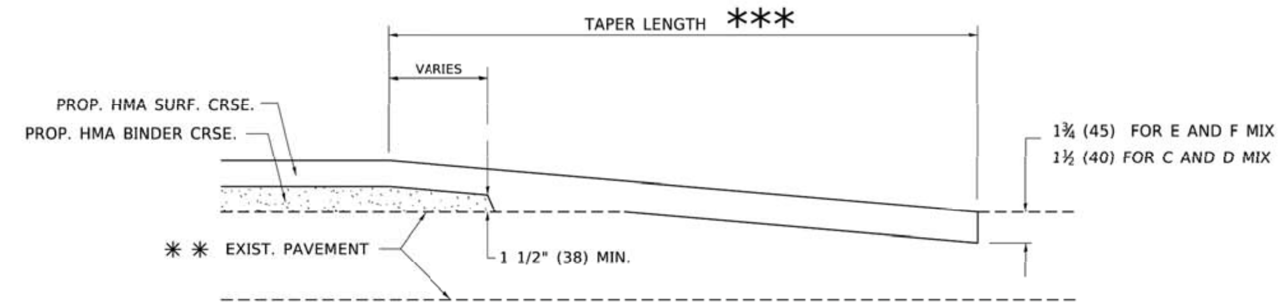


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

A. MAINLINE ROADWAYS AND MAJOR SIDE ROADS.

B. MINOR SIDE ROADS.

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

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

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

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

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

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

*** 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.

USER NAME = footemj	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94	STATE OF ILLINOIS	BUTT JOINT AND
	DRAWN -	REVISED - A. ABBAS 03-21-97	DEPARTMENT OF TRANSPORTATION	HMA TAPER DETAILS
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - M. GOMEZ 04-06-01		
PLOT DATE = 3/27/2019	DATE - 06-13-90	REVISED - R.BORO 01-01-07		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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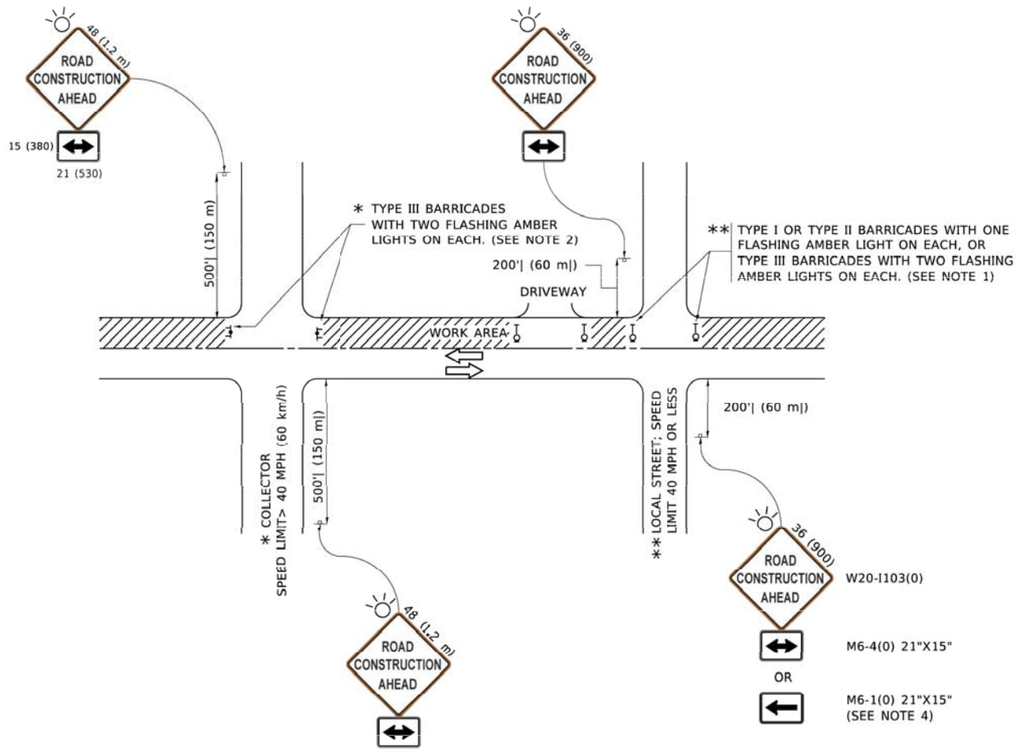
BD400-05 BD32		CONTRACT NO. 61H41		
	ILLINOIS	FED. AID PROJECT		



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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	DRAWN -	REVISED - T. RAMMACHER 01-06-00	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13	
PLOT DATE = 3/4/2019	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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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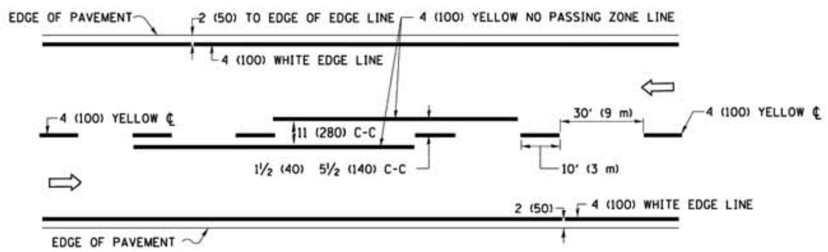
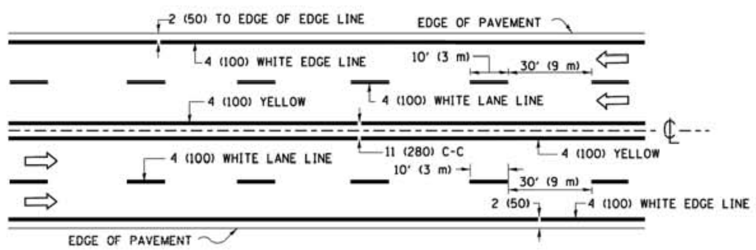
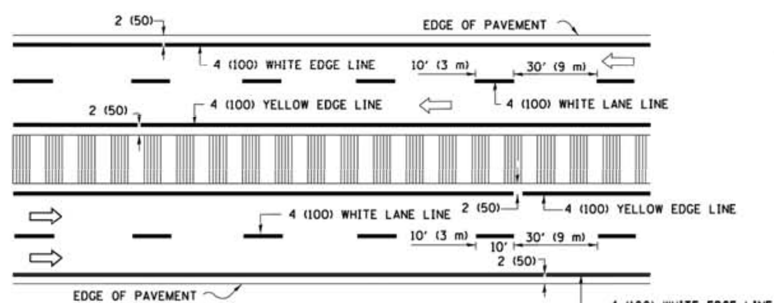
	TC-10	CONTRACT NO. 61H41		
	ILLINOIS FED. AID PROJECT			



2-LANE ROADWAY

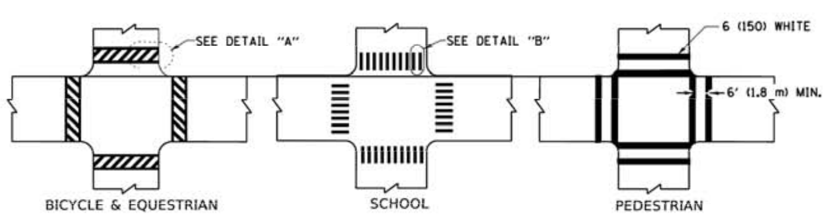


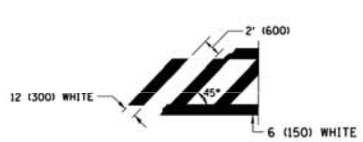
MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

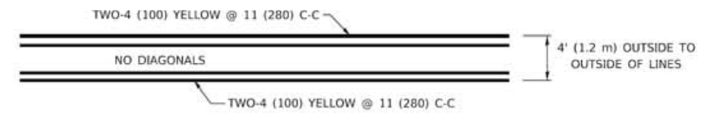




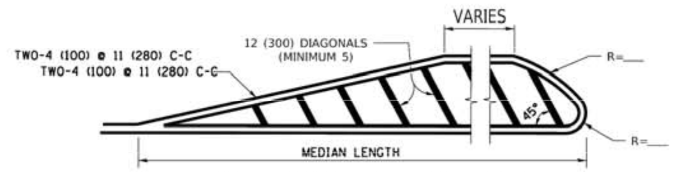
DETAIL "A" DETAIL "B"

TYPICAL CROSSWALK MARKING

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



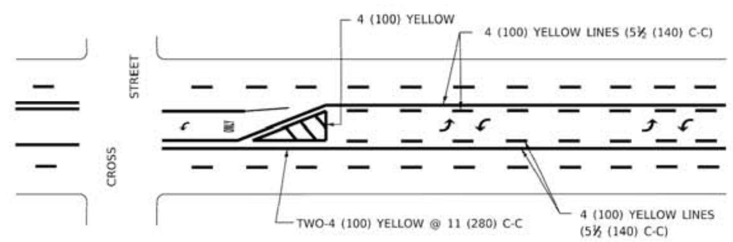
4' (1.2 m) WIDE MEDIANS ONLY



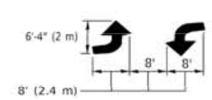
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

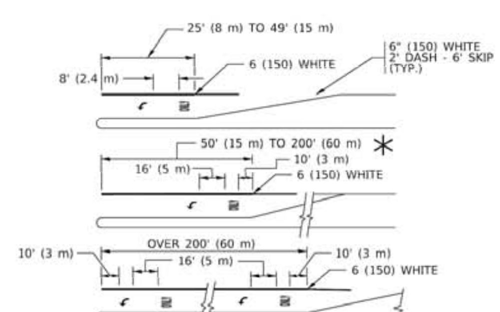


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

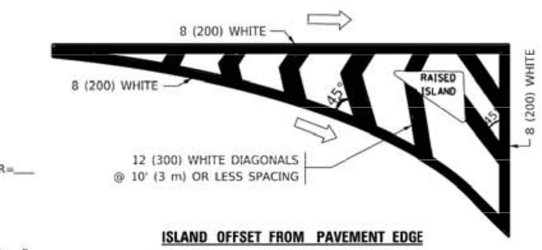


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

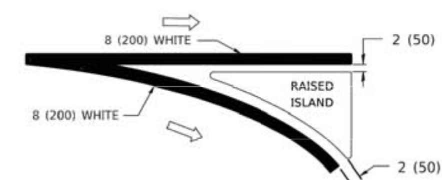
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

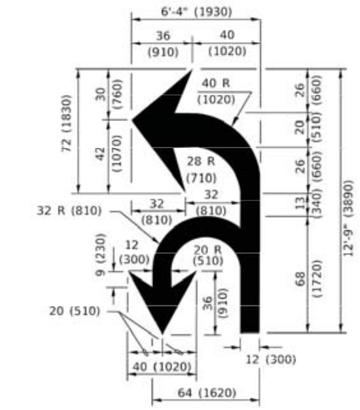


ISLAND OFFSET FROM PAVEMENT EDGE

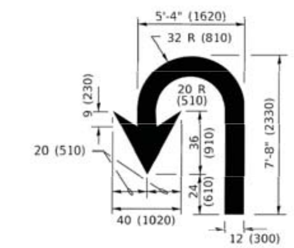


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

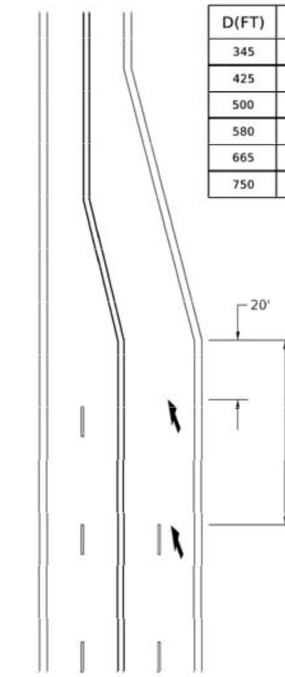


COMBINATION LEFT AND U-TURN



U-TURN

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



LANE REDUCTION TRANSITION

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

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	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE 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; 5½ (140) C-C BETWEEN SOLID *LINE AND SKIP-DASH LINE* SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 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 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
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.

DATE PLOTTED: 11/5/2021 1:57 PM
FILE NAME: 201725-Details
PLOT DRIVER: None

USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
	DRAWN -	REVISED - C. JUCIUS 07-01-13
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

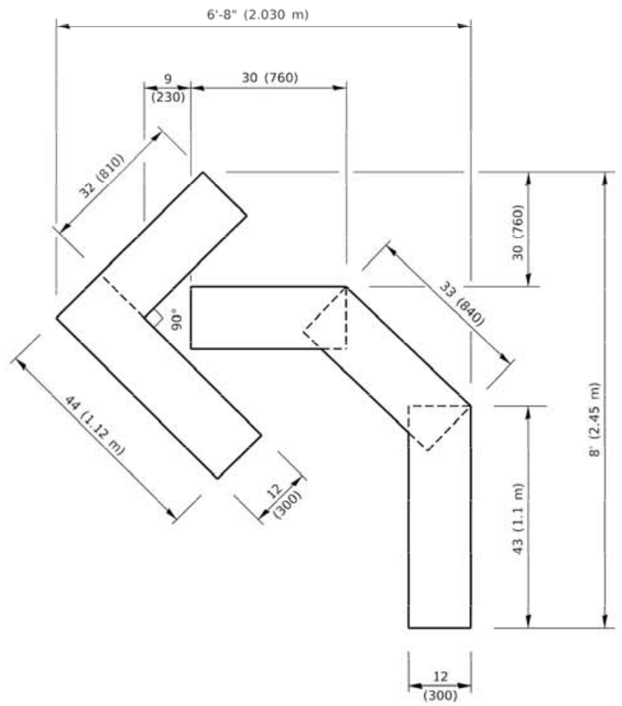
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

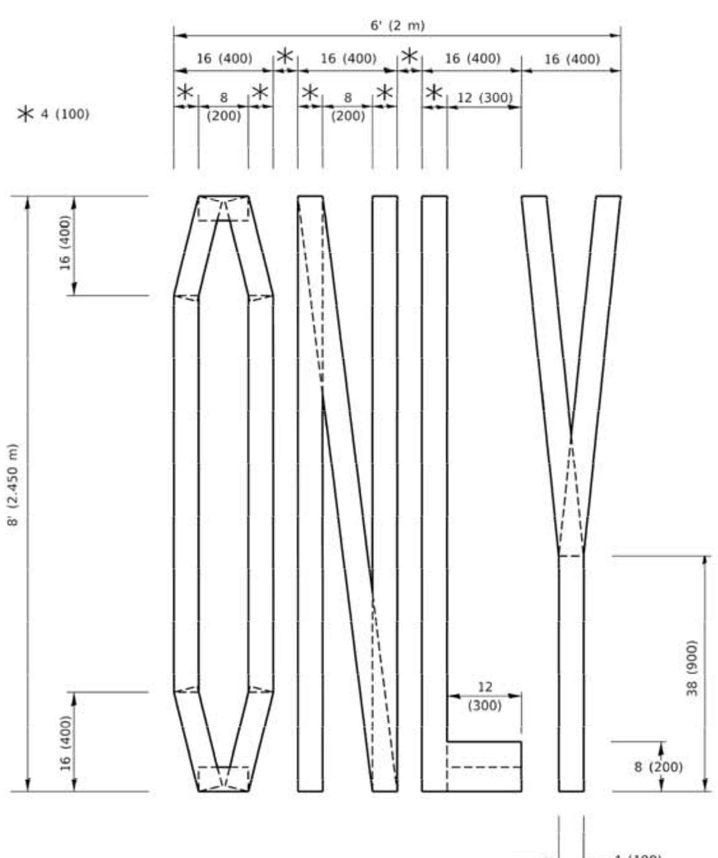
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1157	21-00337-00-RS	KANE	28	24
	TC-13	CONTRACT NO. 61H41		

ILLINOIS | FED. AID PROJECT



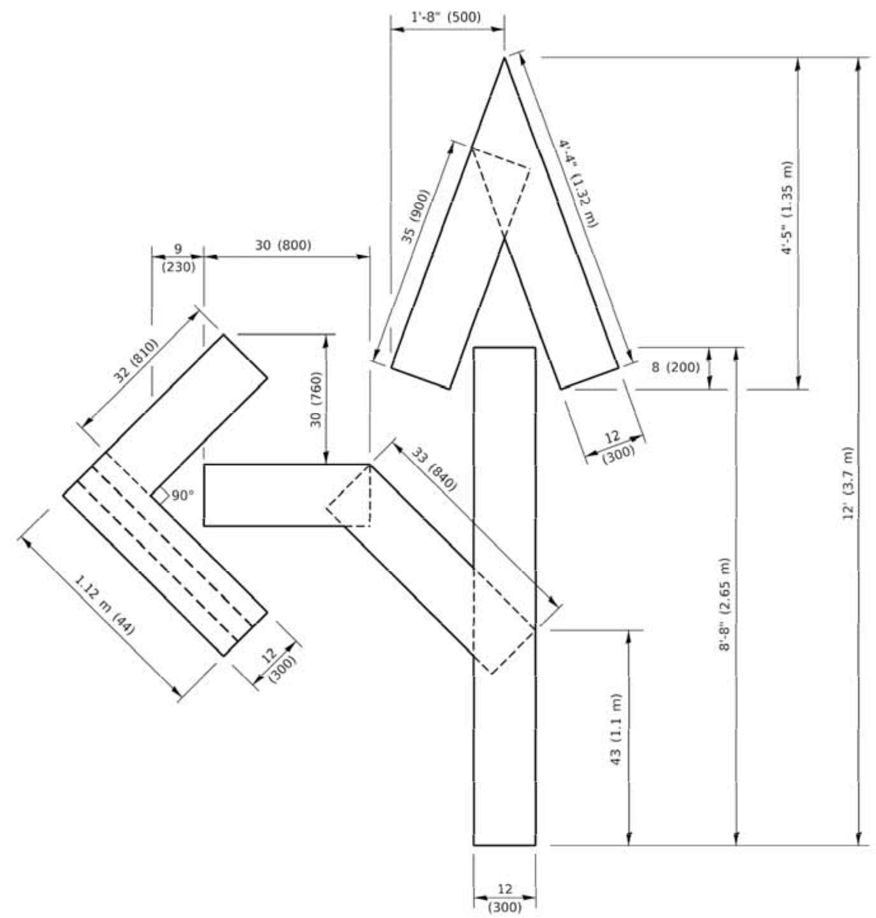
QUANTITY

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)

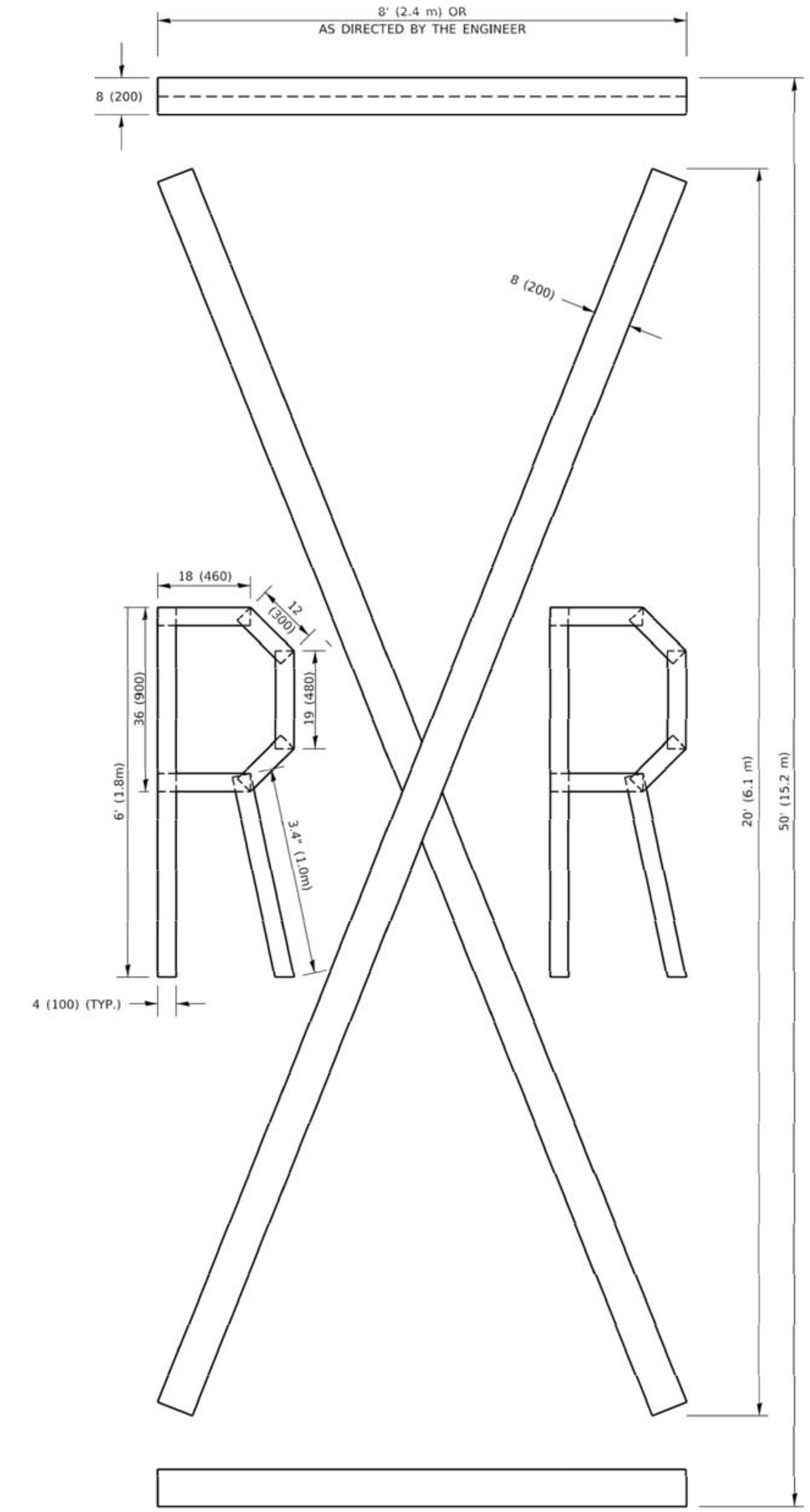


QUANTITY

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.



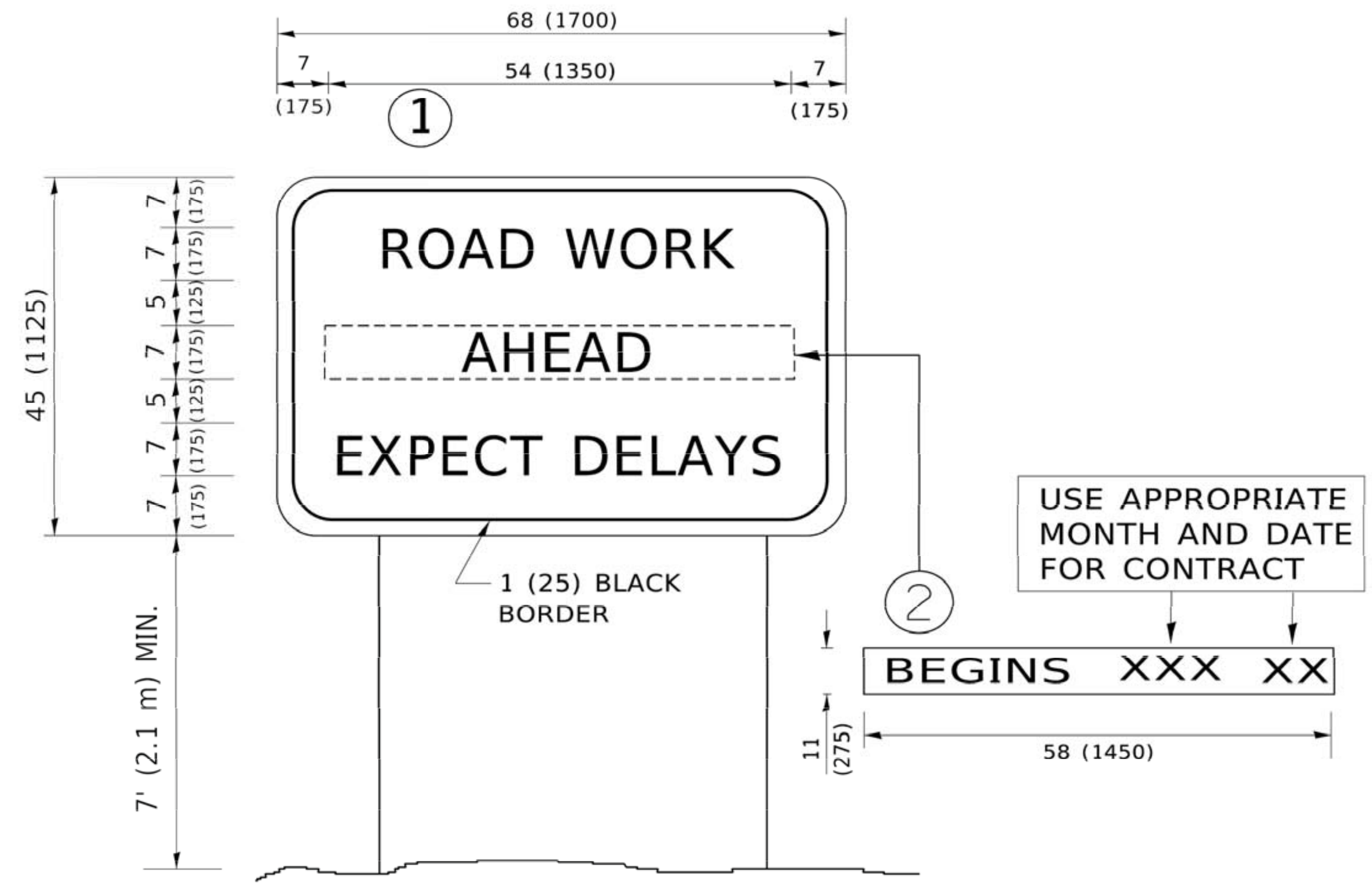
QUANTITY

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.

DATE PLOTTED: 11/5/2021 1:57 PM
FILE NAME: 201725-Details
PLOT DRIVER: None

USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS	F.A. RTE. 1157	SECTION 21-00337-00-RS
	DRAWN -	REVISED - E. GOMEZ 08-28-00			COUNTY KANE	TOTAL SHEETS 28 / SHEET NO. 25
PLOT SCALE = 50.0068 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00			TC-16	CONTRACT NO. 61H41
PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.	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.

DATE PLOTTED: 11/5/2021 1:57 PM
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USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED - R. MIRS 12-11-97	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07	

ARTERIAL ROAD INFORMATION SIGN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1157	21-00337-00-RS	KANE	28	26
	TC-22	CONTRACT NO. 61H41		
	ILLINOIS FED. AID PROJECT			

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

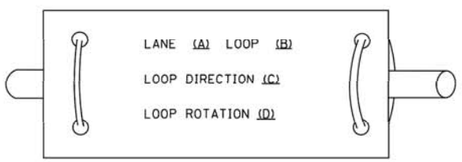
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

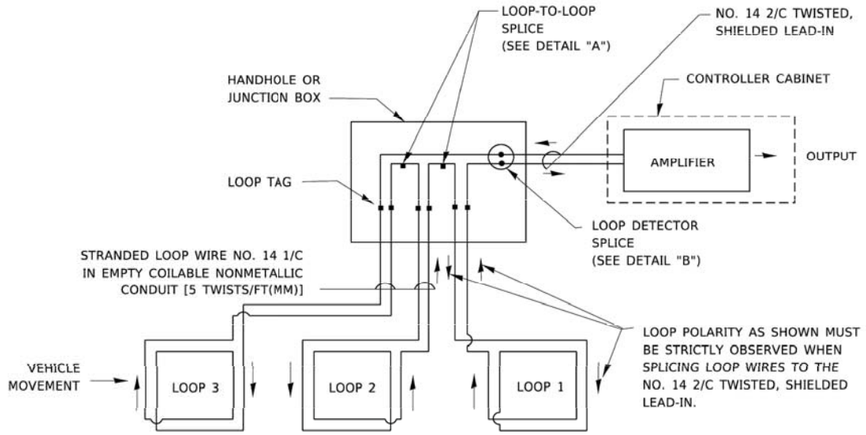
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

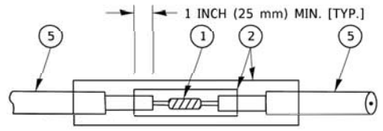


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

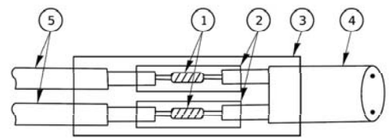


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
  SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

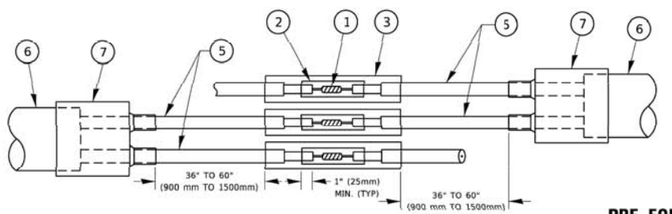


DETAIL "A"
LOOP-TO-LOOP SPLICE



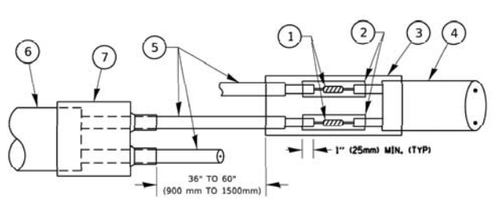
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

(1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.

(2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.

(3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP

(6) XL POLYOLEFIN 2 CONDUCTOR

(7) BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

DATE PLOTTED: 11/5/2021 1:57 PM
FILE NAME: 201725-Details
PLOT DRIVER: None
PEN TABLE: ----
FILE NAME: pw:\\BDEISDMSTG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\DistStd\23-24\CADData\CADsheets\ts05.dgn

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	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/4/2019	DATE -	REVISED -	

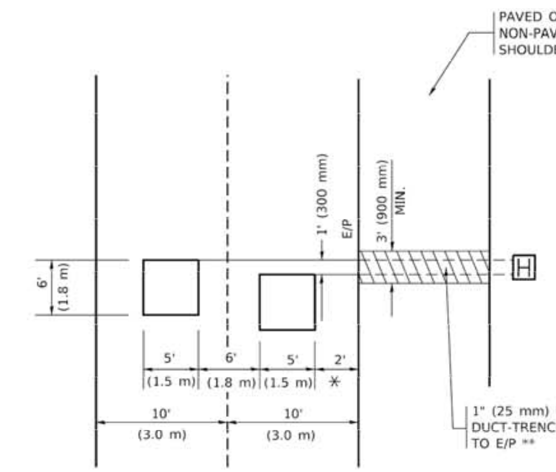
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1157	21-00337-00-RS	KANE	28	27
	TS-05	CONTRACT NO. 61H41		
	ILLINOIS FED. AID PROJECT			

LOOPS NEXT TO SHOULDERS

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



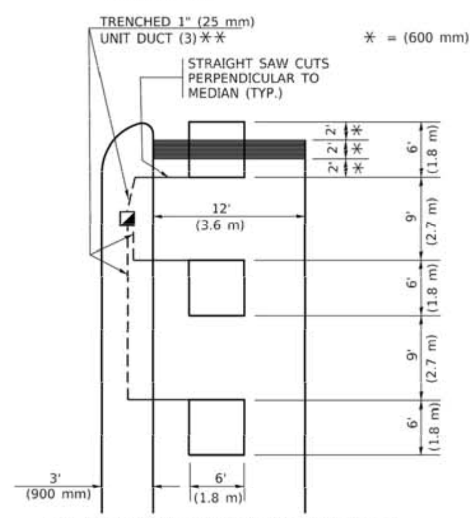
* = (600 mm)

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

LEFT TURN LANES WITH MEDIANS

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

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



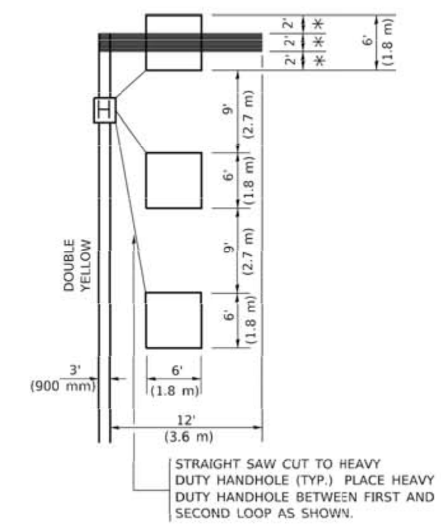
** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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

LEFT TURN LANES WITHOUT MEDIANS

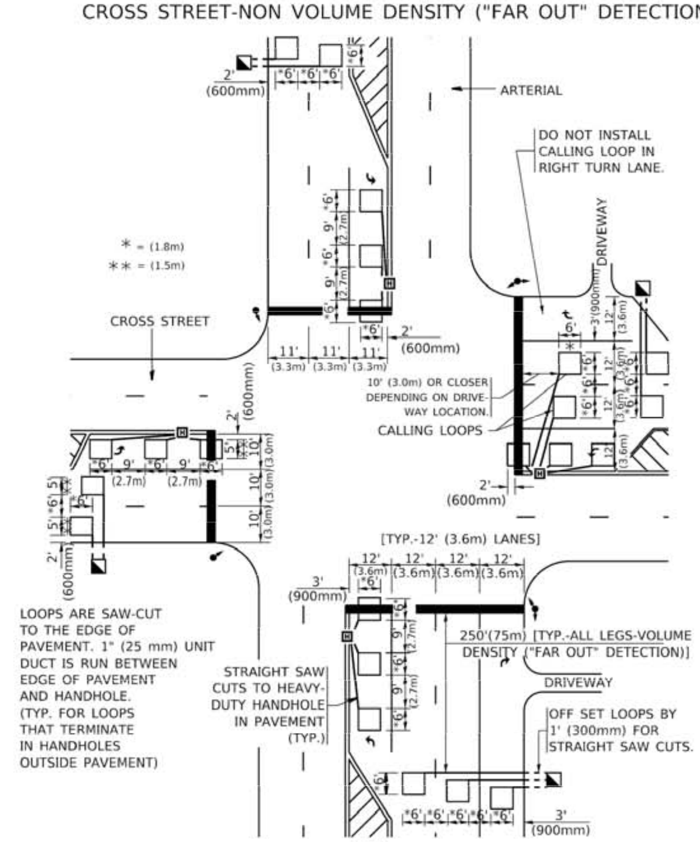
VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH (PROTECTED / PERMITTED LEFT TURN PHASING)

* = (600 mm)



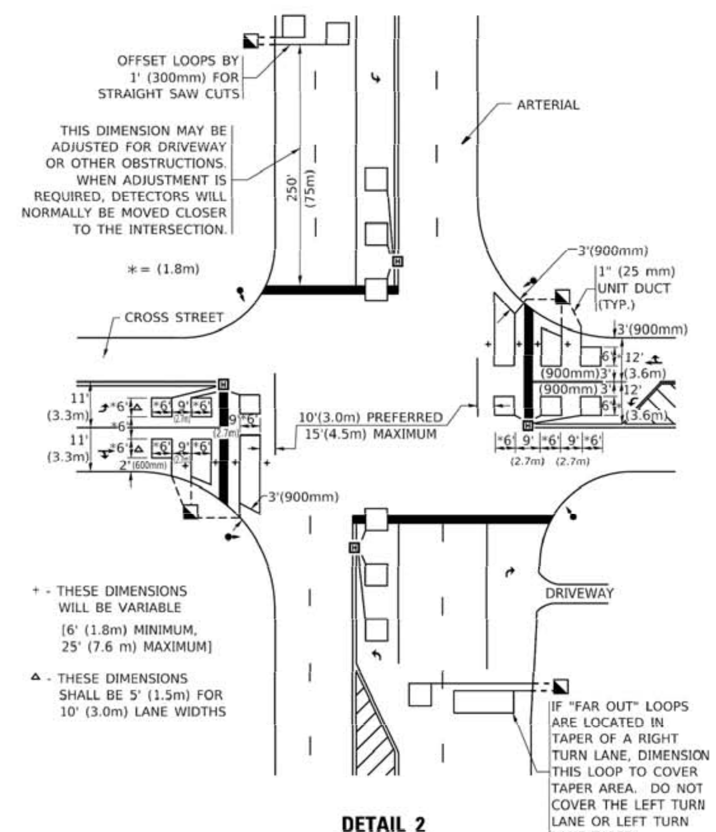
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



DETAIL 1
N.T.S.

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



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

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

PLACEMENT OF DETECTORS

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

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

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

NOTE:

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

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

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	DRAWN -	REVISED -	
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PLOT DATE = 3/4/2019	DATE -	REVISED -	

DISTRICT 1 – DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1157	21-00337-00-RS	KANE	28	28
	TS-07	CONTRACT NO. 61H41		
		ILLINOIS FED. AID PROJECT		