

03-07-2025 LETTING ITEM 008

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	1
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT NM5A(507)		

CONTRACT NO. 61L14

# PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU ROUTE 1049 (CENTER STREET)  
175TH STREET TO 171ST STREET

ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS

SECTION NO.: 22-00026-00-RS

PROJECT NO.: NM5A(507)

VILLAGE OF EAST HAZEL CREST

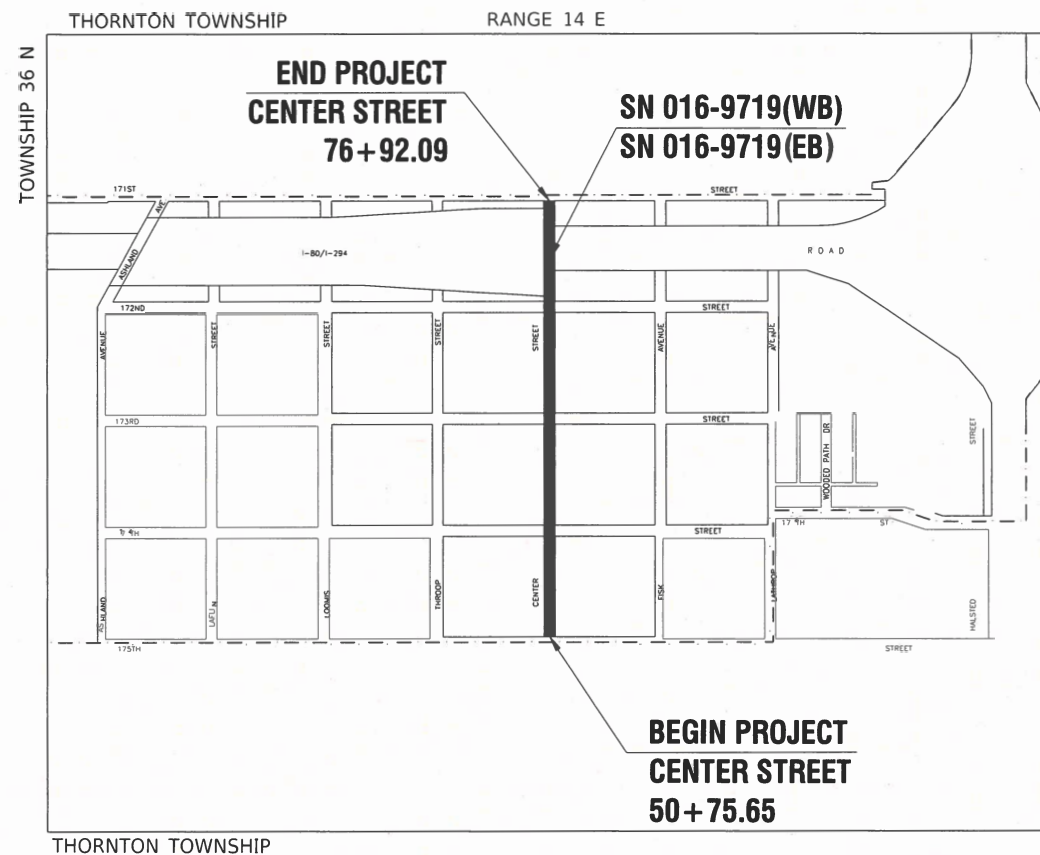
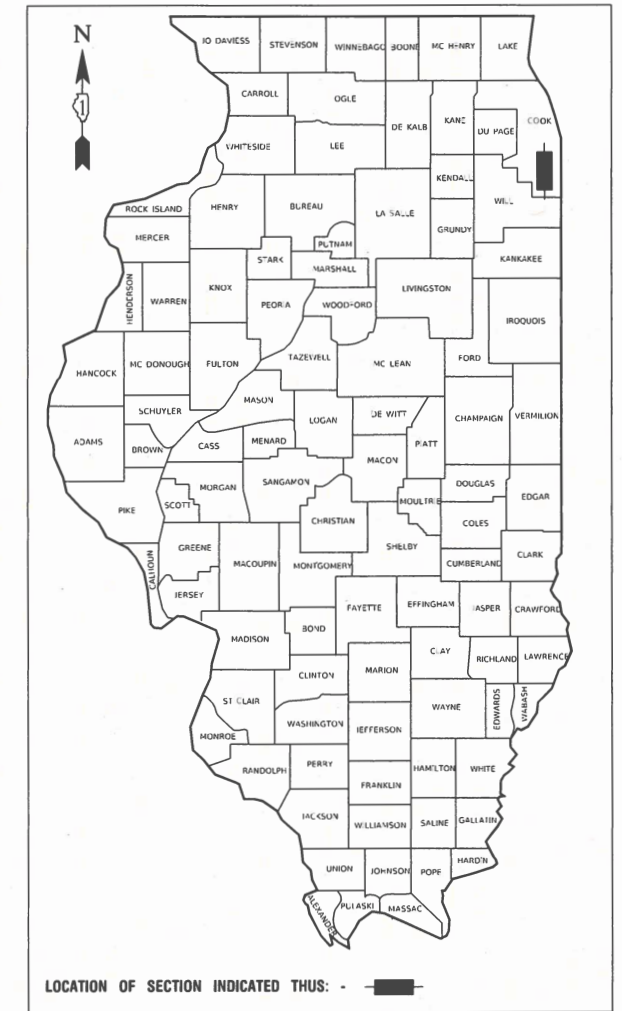
COOK COUNTY

JOB NO.: C-91-177-23

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR HIGHWAY STANDARDS, SEE SHEET NO. 2

<b>CENTER STREET</b>	
<b>175TH STREET TO 171ST STREET</b>	
2019 ADT-	3,800
POSTED SPEED LIMIT-	25 MPH
FUNCTIONAL CLASSIFICATION-	MAJOR COLLECTOR



VILLAGE  
OF  
EAST HAZEL CREST

SCALES { PLAN - 1"=50'



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

LOCATION MAP  
NOT TO SCALE

GROSS AND NET LENGTH= 2616.44 FEET= 0.50 MILES



WILLIAM B. DOWN  
LICENSE EXPIRES: 11/30/25  
12-05-24

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	12/20/2024
<i>Monica A. Lee</i> VILLAGE OF EAST HAZEL CREST, MAYOR	
PASSED	Jan 2, 2025
<i>C. Shook</i> DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS	
RELEASING FOR BID BASED ON LIMITED REVIEW	1.6.2025
<i>Jose Riosky</i> REGIONAL ENGINEER	

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THE STATE OF ILLINOIS

FEDERAL AID PROGRAM ENGINEER: CARMEN RAMOS, PE, SCHAUMBURG, IL  
CONSULTANTS: ROBINSON ENGINEERING, LTD. 708-331-6700

CONTRACT NO. 61L14

## GENERAL NOTES

- ITEMS OF WORK LISTED IN THE SUMMARY OF QUANTITIES NOT SPECIFICALLY CALLED OUT ON THE PLANS SHALL BE PERFORMED AS DIRECTED BY THE ENGINEER.
- THE ROBINSON ENGINEERING, LTD. FIELD OFFICE (815-806-0300), COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS (CCDOH) DESIGN ENGINEER (312-603-1734) AND THE PUBLIC WORKS DIRECTOR (708-798-0213), AT THE VILLAGE OF EAST HAZEL CREST, SHALL BE NOTIFIED FIVE (5) WORKING DAYS BEFORE CONSTRUCTION BEGINS.
- BEFORE STARTING ANY EXCAVATION THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 AND (312) 744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS, AND OTHER UTILITIES. (48 HOUR NOTIFICATION REQUIRED)
- UTILITIES INDICATED ON THE PLANS ARE PROVIDED FOR THE CONTRACTOR'S USE AND ARE BASED UPON INFORMATION AVAILABLE AT THE TIME OF THE ADVERTISEMENT FOR BIDS. THE OWNER AND ENGINEER DO NOT GUARANTEE THE ACCURACY OF UTILITY INFORMATION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE THICKNESS OF HMA MIXTURE STATED IN THE SPECIFICATIONS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA SURFACE IS PLACED.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR OTHER DRAINAGE STRUCTURES SHALL BE REMOVED BY THE END OF EACH DAY BY THE CONTRACTOR.
- CLASS D PATCHING QUANTITIES FOR THIS CONTRACT SHALL BE PERFORMED AT THE DIRECTION OF THE ENGINEER AFTER PAVEMENT MILLING.
- 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.
- NO PAVEMENT PATCHING SHALL BE PERMITTED AFTER FRIDAY AT 3:00 PM OF EACH AND EVERY WEEK AND NO HOLES WILL BE ALLOWED TO REMAIN OPEN OVERNIGHT OR OVER THE WEEKEND.
- ALL EQUIPMENT SHALL BE REMOVED OFF THE VILLAGE STREETS DURING ALL HOLIDAY WEEKENDS AS COORDINATED WITH THE VILLAGE.
- HMA PAVING SHALL BE PERFORMED WITH HOT JOINTS.
- ALL SIGNS REMOVED THAT ARE NOT BEING REINSTALLED ARE THE PROPERTY OF THE VILLAGE AND SHALL BE DELIVERED TO THE VILLAGE OF EAST HAZEL CREST PUBLIC WORKS DEPARTMENT AT 17217 THROOP STREET, EAST HAZEL CREST, IL 60429.
- PROPOSED SIGNS AND DECORATIVE SIGN POSTS SHALL BE APPROVED BY THE VILLAGE AND RESIDENT ENGINEER PRIOR TO MANUFACTURING.
- AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR THE REMOVAL AND REPLACEMENT WITH THE ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE/UNSUITABLE MATERIALS ARE NOTE ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE TO THE VILLAGE OF EAST HAZEL CREST.
- EXISTING VEGETATED AREAS (TREES, SHRUBS, VEGETATIVE BUFFERS, TURF AREAS, ETC.) WHERE DISTURBANCE IS NOT OCCURRING (INCLUDING AREAS OUTSIDE THE PROJECT LIMITS) SHALL NOT BE DISTURBED TO ENSURE THAT EXISTING VEGETATION IS PRESERVED HEALTHY TO MINIMIZE SOIL EROSION AND TO ELIMINATE SOIL COMPACTION. NO MATERIALS ARE TO BE STORED OR VEHICLES DRIVEN OR PARKED WITHIN THESE UNDISTURBED AREAS AT ANY TIME.
- THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSATLLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR LOCATIONS OF UTILITIES, CALL TOLL FREE 1-800-892-0123
- A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO THE CONTRACTOR CUTTING LOOPS, THE CONTRACTOR SHALL HAVE THE PROPOSED LOOP LOCATIONS MARKED AND CONTACT THE CCHD DESIGN ENGINEER AT (312) 603-1734 TO INSPECT AND APPROVE THE LAYOUT.
- ALL ELECTRICAL CABLE ASSOCIATED WITH THE DETECTOR LOOP REPLACEMENT WORK SHOULD HAVE POLYVINYL CHLORIDE JACKET.
- ALL ELECTRICAL CABLE ASSOCIATED WITH THE STREET LIGHTING SHOULD HAVE HIGH DENSITY POLYURETHANE JACKET.
- THE TRAFFIC SIGNAL WORK SHALL BE INSTALLED BY AN ELECTRICAL CONTRACTOR APPROVED BY THE COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS.
- CARE IS TO BE TAKEN AS NOT TO DAMAGE ANY OF THE EXISTING TRAFFIC SIGNAL AND/OR STREET LIGHTING CONDUITS, FIBER CABLES AND EQUIPMENT. IF ANY OF THE TRAFFIC SIGNAL CONDUITS, CABLES AND/OR EQUIPMENT IS DAMAGED, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE THE CONDUITS, CABLES AND/OR EQUIPMENT AT NO COST TO THE COUNTY.
- THE COUNTY IS NOT PART OF JULIE FOR LOCATION OF TRAFFIC SIGNAL EQUIPMENT, CONTACT THE MECHANICAL, ELECTRICAL, ARCHITECTURAL AND LANDSCAPING DIVISION AT 312-603-1734.
- FOR THE LOCATION OF UNDERGROUND COUNTY MAINTAINED FACILITIES, SEE COUNTY SPECIAL PROVISION "TRAFFIC SIGNAL WORK GENERAL".
- IF THIS CONTRACT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING CCDOH FACILITIES PRIOR TO PERFORMING ANY WORK. IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF ELECTRICAL CONTRACTOR, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING CCDOH ELECTRICAL FACILITIES FROM THE COUNTY ELECTRICAL MAINTENANCE CONTRACTOR(S) PRIOR TO THE START OF ANY WORK IF THE TRAFFIC SIGNAL IS STILL MAINTAINED BY THE COUNTY. ADDITIONAL REQUESTS MAY BE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.
- RESTORATION SHALL BE DONE WITH 4" TOPSOIL, FERTILIZER, AND SOD FOR ALL DISTURBED AREAS WITHIN COOK COUNTY ROW.

## INDEX OF SHEETS

1	COVER SHEET
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40-49	CROSS SECTIONS

## HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-06	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-05	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-06	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-07	DEPRESSED CORNER FOR SIDEWALKS
424026-04	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF ROAD OPERATIONS, 2L, 2W, MORE THAN 15'(4.5m) AWAY
701006-05	OFF ROAD OPERATIONS, 2L, 2W, 15'(4.5m) TO 24"(600mm) FROM PAVEMENT EDGE
701011-04	OFF ROAD MOVING OPERATIONS, 2L,2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-10	URBAN LANE CLOSURE MULTILANE INTERSECTION
701801-06	SIDEWALK CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
814001-03	HANDHOLES
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

## DISTRICT ONE DETAILS

BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-32	BUTT JOINTS AND HMA TAPER
BE-220	ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT
BE-300	LIGHT POLE FOUNDATION 30'(9.144m) TO 35'(10.668m) M.H. 1/2" (292mm) BOLT CIRCLE
BE-310	LIGHT POLE FOUNDATION 40'(12.192m) TO 47 1/2'(14.478m) M.H. 15" (381mm) BOLT CIRCLE
BE-702	MISCELLANEOUS ELECTRICAL DETAILS SHEET A
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-07	DETECTOR LOOP INSTALLATION DETAIL FOR ROADWAY RESURFACING

FILE NAME = 21-R0969-INDX-01 - P01	USER NAME =	DESIGNED -- MG	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CENTER STREET ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS INDEX OF SHEETS, STANDARDS & GENERAL NOTES			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -- WPD	REVISED --		1049	22-00026-00-RS	COOK	49	2			
	PLOT SCALE =	DRAWN -- RG.MED	REVISED --		CONTRACT NO. 61L14							
	PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --		SCALE: NONE	SHEET NO. 2	OF 49 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT

* SPECIALTY ITEM				FED 80%	FED 80%
				VILLAGE 20%	VILLAGE 20%
CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	ROADWAY	SAFETY
				CONSTRUCTION TYPE CODE 0005	CONSTRUCTION TYPE CODE 0021
20101100	TREE TRUNK PROTECTION	EACH	13	13	
20101200	TREE ROOT PRUNING	EACH	13	13	
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	13	13	
20101700	SUPPLEMENTAL WATERING	UNIT	1	1	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	20	20	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	3000	3000	
21400100	GRADING AND SHAPING DITCHES	FOOT	1300	1300	
25000210	SEEDING, CLASS 2A	ACRE	0.75	0.75	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	60	60	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	60	60	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	60	60	
25100630	EROSION CONTROL BLANKET	SQ YD	3000	3000	
25200110	SODDING, SALT TOLERANT	SQ YD	30	30	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	65	65	
28000510	INLET FILTERS	EACH	14	14	
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	20	20	
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	850		850

FILE NAME = 21R0969-QUAN-01 - 22X34\_Q1

USER NAME =	DESIGNED -- MG	REVISED --
	CHECKED -- ###	REVISED --
PLOT SCALE =	DRAWN -- RG.MED	REVISED --
PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CENTER STREET  
ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS  
SUMMARY OF QUANTITIES**

SCALE: NONE      SHEET NO. 3 OF 49 SHEETS      STA.      TO STA.

F.A.# RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	3
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NM5A(507)				

* SPECIALTY ITEM				FED 80%	FED 80%
				VILLAGE 20%	VILLAGE 20%
				ROADWAY	SAFETY
CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	CONSTRUCTION TYPE CODE
				0005	0021
35102200	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	1630	1630	
35800100	PREPARATION OF BASE	SQ YD	145	145	
35800200	AGGREGATE BASE REPAIR	TON	15	15	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	100	100	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	3390	3390	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	6720	6720	
40600370	LONGITUDINAL JOINT SEALANT	FOOT	6430	6430	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	5	5	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	170	170	
40603080	HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N50	TON	315	315	
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, 1L-4.75, N50	TON	430	430	
40604060	HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "D", N50	TON	900	900	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	7650		7650
42400800	DETECTABLE WARNINGS	SQ FT	100		100
44000100	PAVEMENT REMOVAL	SQ YD	1400	1400	
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	8800	8800	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	30	30	

FILE NAME = 21R0969-QUAN-01 - 22X34_Q2	USER NAME =	DESIGNED -- MG	REVISED --
	CHECKED -- ###	DRAWN -- RG.MED	REVISED --
	PLOT SCALE =	CHECKED -- AG	REVISED --
	PLOT DATE = 12-05-24		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CENTER STREET  
ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS  
SUMMARY OF QUANTITIES**

SCALE: NONE      SHEET NO. 4 OF 49 SHEETS      STA. TO STA.

F.A.# RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	4
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	NM5A(507)	



* SPECIALTY ITEM				FED 80%	FED 80%
				VILLAGE 20%	VILLAGE 20%
CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	ROADWAY	SAFETY
				CONSTRUCTION	TYPE CODE
				0005	0021
44000400	GUTTER REMOVAL	FOOT	45	45	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	190	190	
44004250	PAVED SHOULDER REMOVAL	SQ YD	1115	1115	
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	10	10	
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	20	20	
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	15	15	
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	100	100	
55100300	STORM SEWER REMOVAL, 8"	FOOT	10	10	
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	3	3	
60300405	VALVE BOXES TO BE ADJUSTED	EACH	5	5	
60406001	FRAMES AND LIDS, TYPE 1, ADA COMPLIANT, OPEN LID	EACH	1		1
60500050	REMOVING CATCH BASINS	EA CH	3	3	
60600605	CONCRETE CURB, TYPE B	FOOT	35		35
60602500	CONCRETE GUTTER, TYPE A	FOOT	45	45	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	190	190	
67100100	MOBILIZATION	LSUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	1	

FILE NAME = 21R0969-QUAN-01 - 22X34\_Q3

USER NAME =	DESIGNED -- MG	REVISED --
	CHECKED -- ###	REVISED --
PLOT SCALE =	DRAWN -- RG.MED	REVISED --
PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CENTER STREET  
ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS  
SUMMARY OF QUANTITIES**

SCALE: NONE      SHEET NO. 5 OF 49 SHEETS      STA.      TO STA.

F.A.# RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	5
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61L14	
FED. AID PROJECT NM5A(507)				

* SPECIALTY ITEM				FED 80%	FED 80%
				VILLAGE 20%	VILLAGE 20%
CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	ROADWAY	SAFETY
				CONSTRUCTION	TYPE CODE
				0005	0021
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1	1	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	265		265
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	90		90
* 72000100	SIGN PANEL - TYPE 1	SQ FT	40		40
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	2		2
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	70		70
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	170		170
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	9510		9510
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	400		400
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	500		500
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	50		50
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	1	
* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	1	
* 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	125	125	
* 81603090	UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	2110	2110	
* 81702440	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 1/0	FOOT	15	15	
* 82110005	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION E	EACH	9	9	

FILE NAME = 21R0969-QUAN-01 - 22X34_Q4	USER NAME =	DESIGNED -- MG	REVISED --
		CHECKED -- ###	REVISED --
	PLOT SCALE =	DRAWN -- RG,MED	REVISED --
	PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CENTER STREET  
ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS  
SUMMARY OF QUANTITIES**

SCALE: NONE      SHEET NO. 6 OF 49 SHEETS      STA.      TO STA.

F.A.#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	6
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT NM5A(507)				

* SPECIALTY ITEM				FED 80%	FED 80%
				VILLAGE 20%	VILLAGE 20%
				ROADWAY	SAFETY
CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				0005	0021
* 82110006	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION F	EACH	2	2	
* 82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1	1	
* 83007300	LIGHT POLE, ALUMINUM, 35 FT. M.H., 8 FT. MAST ARM	EACH	11	11	
* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	60	60	
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1	
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	60	60	
* 88600100	DETECTOR LOOP, TYPE I	FOOT	150	150	
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	60	60	
K0036120	MULCH PLACEMENT 4"	SQ YD	60	60	
X1700066	POTHOLING	EACH	5	5	
X2020410	EARTH EXCAVATION (SPECIAL)	CU YD	300	300	
X6025604	PROPOSED MANHOLE/CATCH BASIN CONNECTION OVER EXISTING STORM SEWER	EACH	3	3	
X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	2	2	
* X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	25	25	
Z0004514	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	70	70	
Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	19	19	
Z0017700	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED	EACH	1	1	
* Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	1	

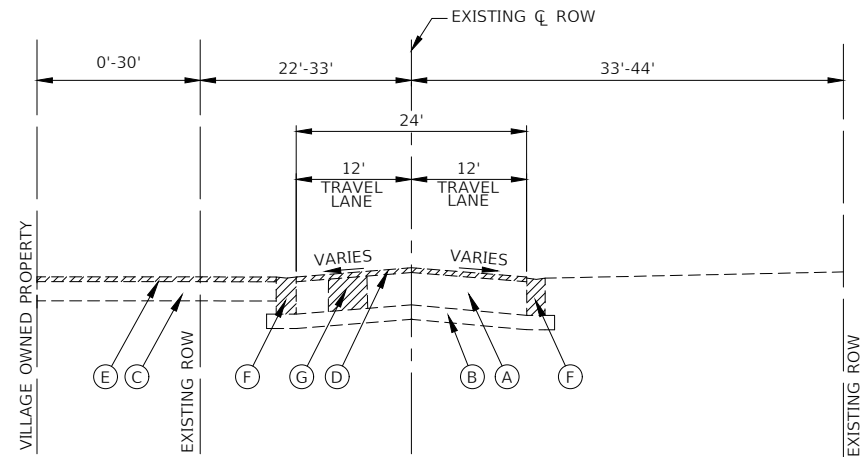
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	PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

CENTER STREET  
ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS  
SUMMARY OF QUANTITIES

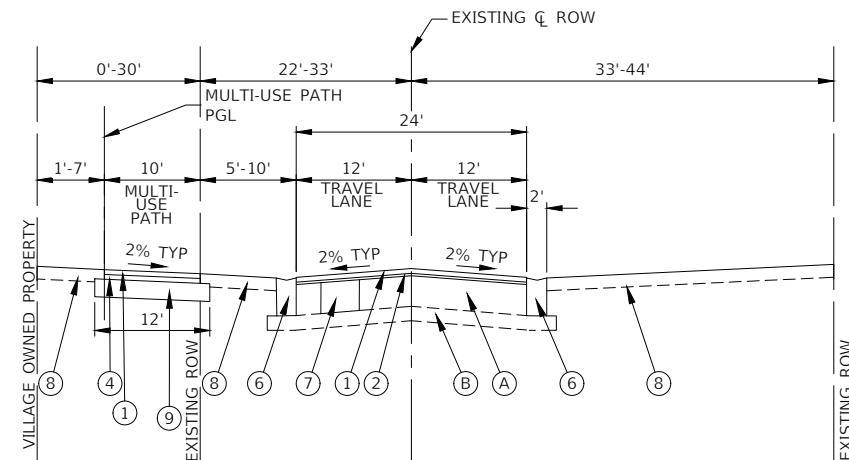
SCALE: NONE | SHEET NO. 7 OF 49 SHEETS | STA. TO STA.

F.A.# RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	7
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT NM5A(507)				



**EXISTING TYPICAL SECTION**

CENTER STREET  
STA 50+75.65 TO STA 55+03.50 NOTE: GUTTER ENDS AT STATION 54+36



**PROPOSED TYPICAL SECTION**

CENTER STREET  
STA 50+75.65 TO STA 55+03.50

**EXISTING LEGEND**

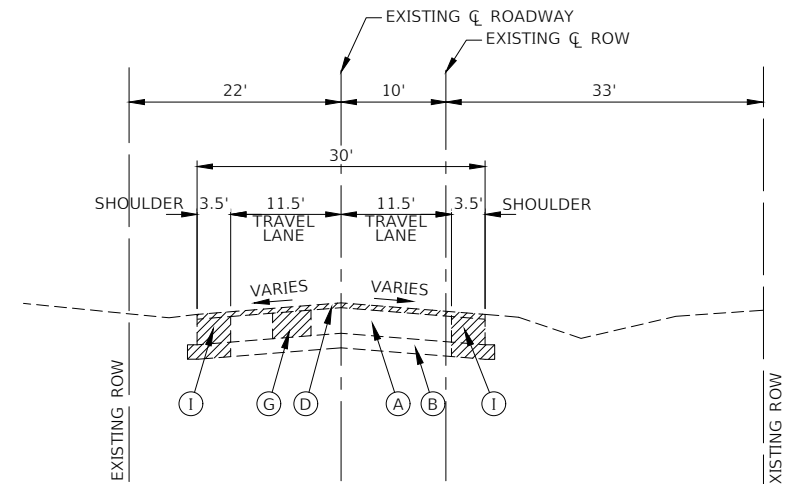
- (A) EXISTING HMA PAVEMENT, 5.5" TO 13.5"
  - (B) EXISTING AGGREGATE SUBBASE, 6"±1"
  - (C) EXISTING AGGREGATE SUBBASE, 8"±1"
  - (D) HOT-MIX ASPHALT SURFACE REMOVAL, 2"
  - (E) FULL DEPTH PAVEMENT REMOVAL, 6"±1"
  - (F) GUTTER REMOVAL OR COMBINATION CONCRETE CURB AND GUTTER REMOVAL (AS DIRECTED BY THE ENGINEER)
  - (G) PAVEMENT REMOVAL FOR CLASS D PATCHES, 10 INCH
  - (H) GUARDRAIL
  - (I) PAVED SHOULDER REMOVAL, 16"±1"
- ▨ ITEM TO BE REMOVED (AS DIRECTED BY ENGINEER)

**PROPOSED LEGEND**

- (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 1-1/2"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- (3) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 3-3/4"
- (4) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/4"
- (5) PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH AGGREGATE BASE COURSE, TYPE B 4"
- (6) CONCRETE GUTTER, TYPE A OR COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (7) CLASS D PATCHES, 10 INCH (AS DIRECTED BY ENGINEER)
- (8) TOPSOIL FURNISH AND PLACE, 4"
- (9) SEEDING, CLASS 2A, EROSION CONTROL BLANKET
- (9) AGGREGATE BASE COURSE, TYPE B 10"

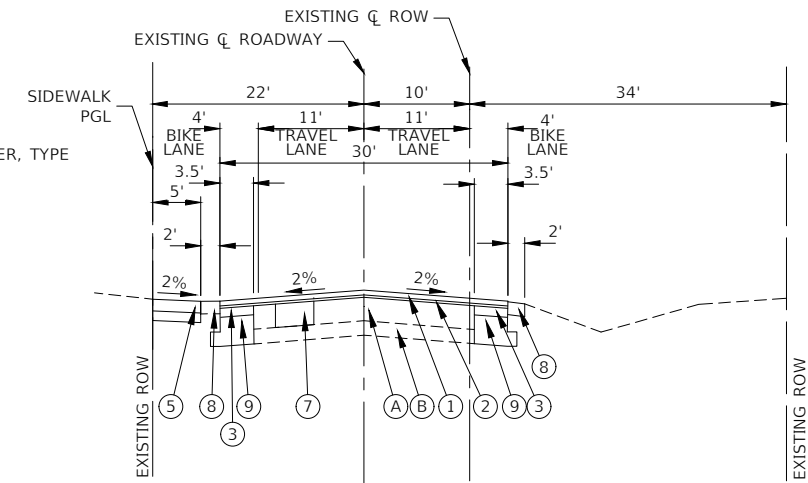
**NOTE**

1. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 PRIOR TO THE SURFACE COURSE.
2. CLASS D PAVEMENT PATCHES SHALL BE PERFORMED AFTER MILLING.



**EXISTING TYPICAL SECTION**

CENTER STREET  
STA 55+03.50 TO STA 56+86.85



**PROPOSED TYPICAL SECTION**

CENTER STREET  
STA 55+03.50 TO STA 56+86.85

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
<b>ROADWAY RESURFACING</b>		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1-1/2"	4% @ 50 Gyr.	LR 1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"	3.5% @ 50 Gyr.	LR 1030-2
<b>HOT-MIX ASPHALT MULTI-USE PATH</b>		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 1-1/2"	4% @ 50 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/4"	4% @ 50 Gyr.	LR 1030-2
<b>HOT-MIX ASPHALT SHOULDER</b>		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 1-1/2"	4% @ 50 Gyr.	LR 1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"	3.5% @ 50 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 3-3/4"	4% @ 50 Gyr.	LR 1030-2
<b>HMA DRIVEWAY PAVEMENT, 4"</b>		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1-1/2"	4% @ 50 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/2"	4% @ 50 Gyr.	LR 1030-2
<b>PATCHING</b>		
CLASS D PATCHES (HMA BINDER, IL-19.0, N50), 10"	4% @ 50 Gyr.	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR1030-2		

**NOTES:**

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE IS 112 LBS/SQ/IN.
2. ALL PATCHING OPERATIONS SHALL TAKE PLACE AFTER SURFACE MILLING HAS BEEN COMPLETED.
3. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG-64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

FILE NAME = 21-R0969-TYPX-01 - IDOT P01

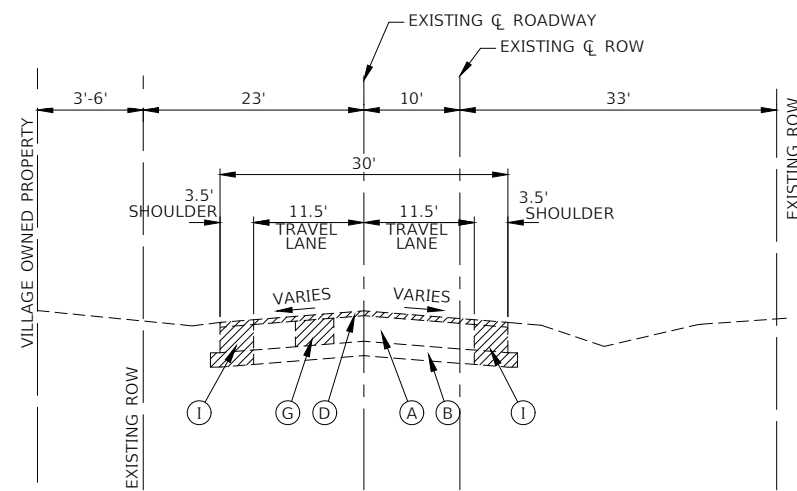
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	CHECKED -- WPD	REVISED --
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PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

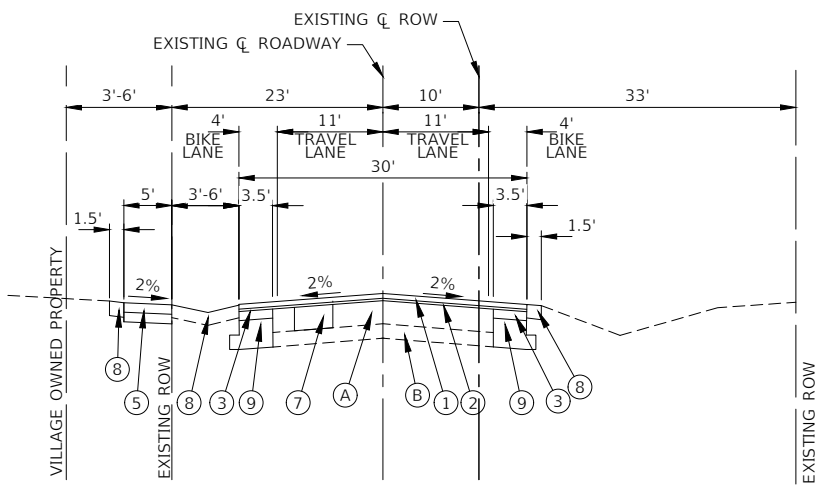
CENTER STREET  
ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS  
TYPICAL CROSS SECTIONS

SCALE: SHEET NO. 8 OF 49 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	8
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NM5A(507)				



**EXISTING TYPICAL SECTION**  
 CENTER STREET  
 STA 56+86.85 TO STA 64+13.79



**PROPOSED TYPICAL SECTION**  
 CENTER STREET  
 STA 56+86.85 TO STA 64+13.79

**EXISTING LEGEND**

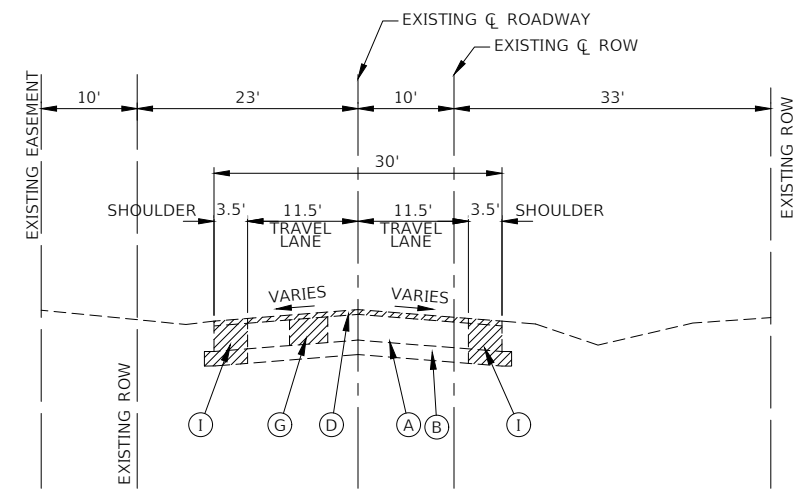
- (A) EXISTING HMA PAVEMENT, 5.5" TO 13.5"
  - (B) EXISTING AGGREGATE SUBBASE, 6"±1"
  - (C) EXISTING AGGREGATE SUBBASE, 8"±1"
  - (D) HOT-MIX ASPHALT SURFACE REMOVAL, 2"
  - (E) FULL DEPTH PAVEMENT REMOVAL, 6"±1"
  - (F) GUTTER REMOVAL OR COMBINATION CONCRETE CURB AND GUTTER REMOVAL (AS DIRECTED BY THE ENGINEER)
  - (G) PAVEMENT REMOVAL FOR CLASS D PATCHES, 10 INCH
  - (H) GUARDRAIL
  - (I) PAVED SHOULDER REMOVAL, 16"±1"
- ▨ ITEM TO BE REMOVED (AS DIRECTED BY ENGINEER)

**PROPOSED LEGEND**

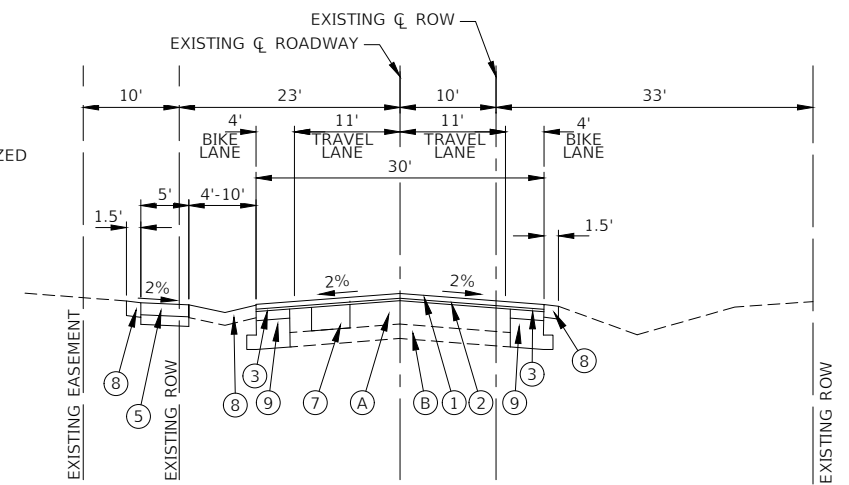
- ① HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 1-1/2"
- ② POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- ③ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 3-3/4"
- ④ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/4"
- ⑤ PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH AGGREGATE BASE COURSE, TYPE B 4"
- ⑥ CONCRETE GUTTER, TYPE A OR COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑦ CLASS D PATCHES, 10 INCH (AS DIRECTED BY ENGINEER)
- ⑧ TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A, EROSION CONTROL BLANKET
- ⑨ AGGREGATE BASE COURSE, TYPE B 10"

**NOTE**

1. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 PRIOR TO THE SURFACE COURSE.
2. CLASS D PAVEMENT PATCHES SHALL BE PERFORMED AFTER MILLING.



**EXISTING TYPICAL SECTION**  
 CENTER STREET  
 STA 64+13.79 TO STA 67+11.74



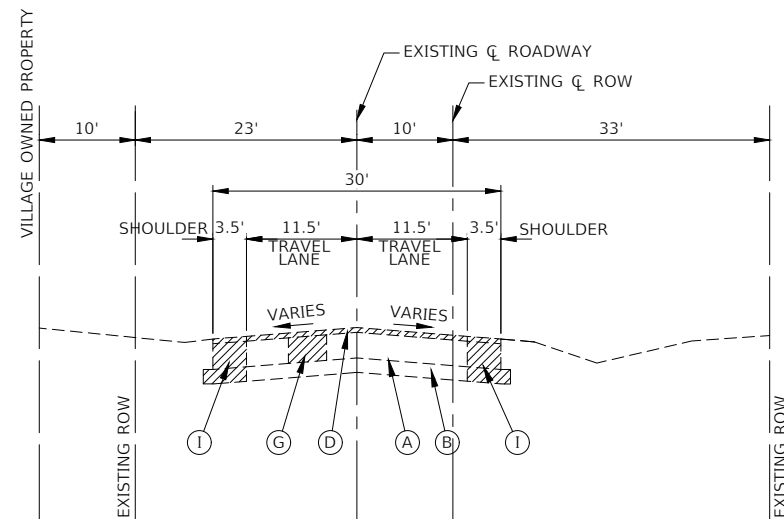
**PROPOSED TYPICAL SECTION**  
 CENTER STREET  
 STA 64+13.79 TO STA 67+11.74

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		CHECKED -- WPD	REVISED --
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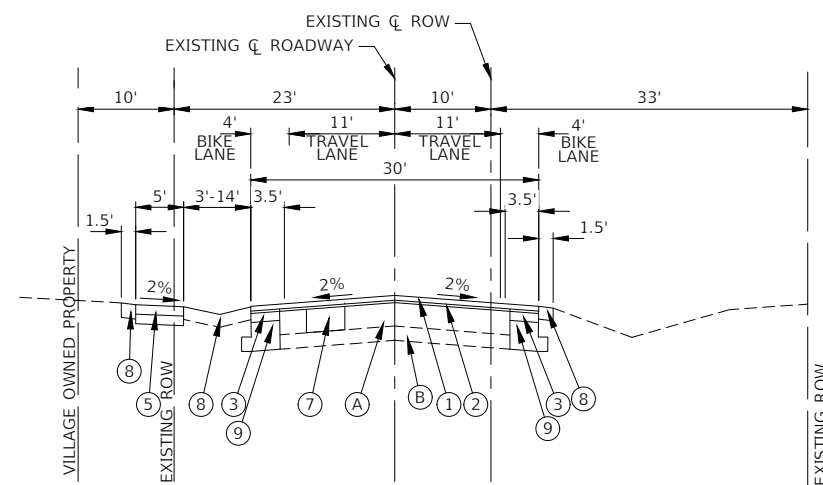
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CENTER STREET ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS TYPICAL CROSS SECTIONS	
SCALE:	SHEET NO. 9 OF 49 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	9
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NM5A(507)				



**EXISTING TYPICAL SECTION**  
CENTER STREET  
STA 67+11.74 TO STA 70+27.00



**PROPOSED TYPICAL SECTION**  
CENTER STREET  
STA 67+11.74 TO STA 70+27.00

NOTE: PROPOSED SIDEWALK ENDS AT STA 70+73.16

**EXISTING LEGEND**

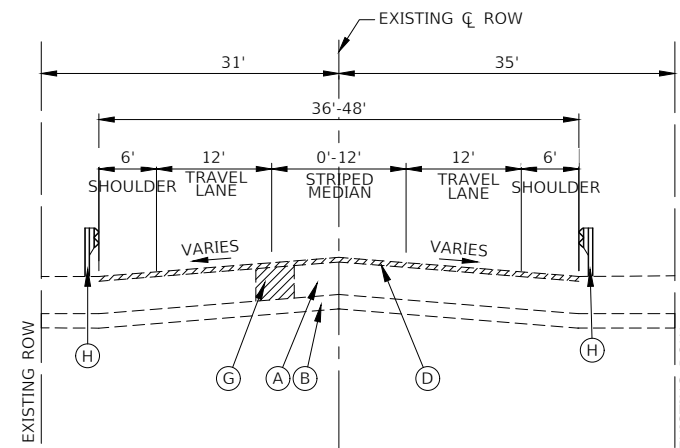
- (A) EXISTING HMA PAVEMENT, 5.5" TO 13.5"
  - (B) EXISTING AGGREGATE SUBBASE, 6"±1"
  - (C) EXISTING AGGREGATE SUBBASE, 8"±1"
  - (D) HOT-MIX ASPHALT SURFACE REMOVAL, 2"
  - (E) FULL DEPTH PAVEMENT REMOVAL, 6"±1"
  - (F) GUTTER REMOVAL OR COMBINATION CONCRETE CURB AND GUTTER REMOVAL (AS DIRECTED BY THE ENGINEER)
  - (G) PAVEMENT REMOVAL FOR CLASS D PATCHES, 10 INCH
  - (H) GUARDRAIL
  - (I) PAVED SHOULDER REMOVAL, 16"±1"
- ▨ ITEM TO BE REMOVED (AS DIRECTED BY ENGINEER)

**PROPOSED LEGEND**

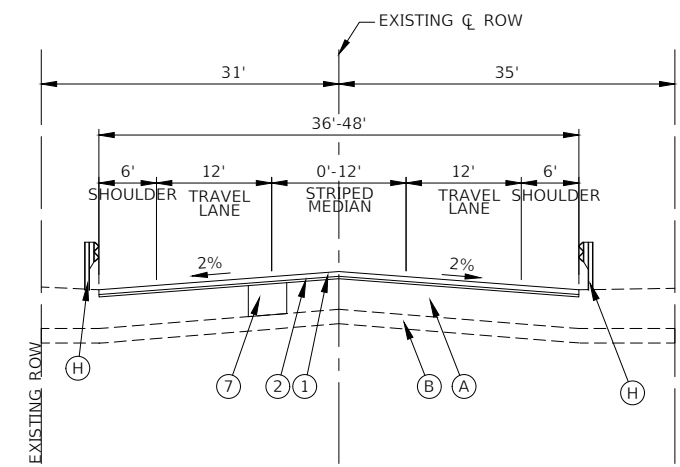
- ① HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 1-1/2"
- ② POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- ③ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 3-3/4"
- ④ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/4"
- ⑤ PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH AGGREGATE BASE COURSE, TYPE B 4"
- ⑥ CONCRETE GUTTER, TYPE A OR COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑦ CLASS D PATCHES, 10 INCH (AS DIRECTED BY ENGINEER)
- ⑧ TOPSOIL FURNISH AND PLACE, 4"
- ⑨ SEEDING, CLASS 2A, EROSION CONTROL BLANKET
- ⑩ AGGREGATE BASE COURSE, TYPE B 10"

**NOTE**

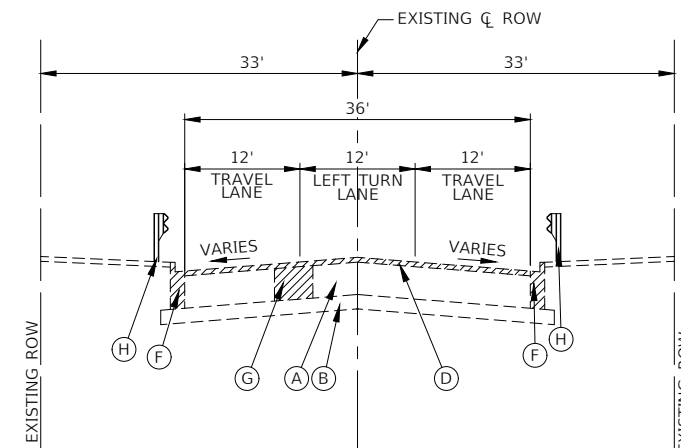
1. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 PRIOR TO THE SURFACE COURSE.
2. CLASS D PAVEMENT PATCHES SHALL BE PERFORMED AFTER MILLING.



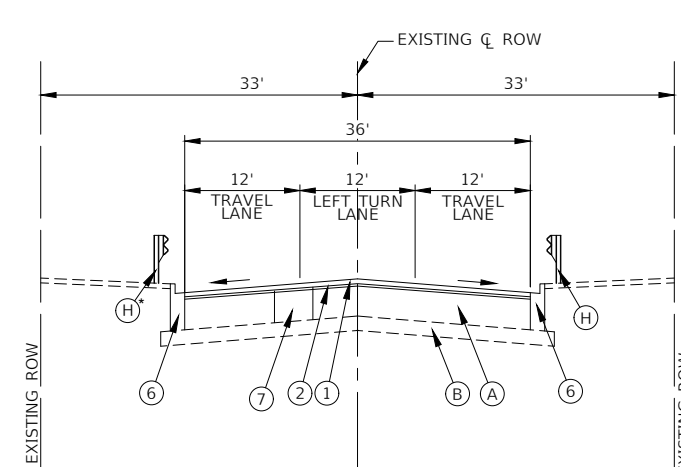
**EXISTING TYPICAL SECTION**  
CENTER STREET  
STA 70+27.00 TO STA 74+52.00



**PROPOSED TYPICAL SECTION**  
CENTER STREET  
STA 70+27.00 TO STA 74+52.00



**EXISTING TYPICAL SECTION**  
CENTER STREET  
STA 74+52.00 TO STA 76+92.09



**PROPOSED TYPICAL SECTION**  
CENTER STREET  
STA 74+52.00 TO STA 76+92.09

\*EXISTING WEST GUARD RAIL ENDS AT STATION 75+73.

FILE NAME = 21-R0969-TYPX-01 - IDOT P03

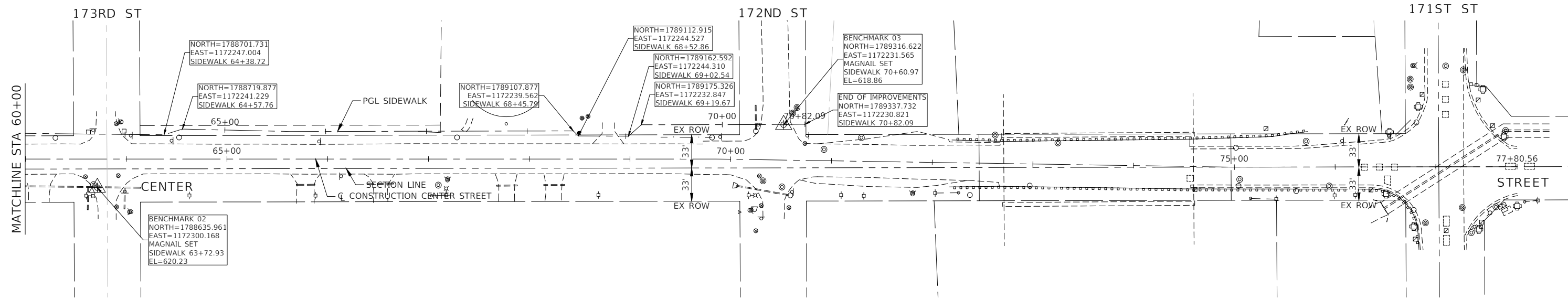
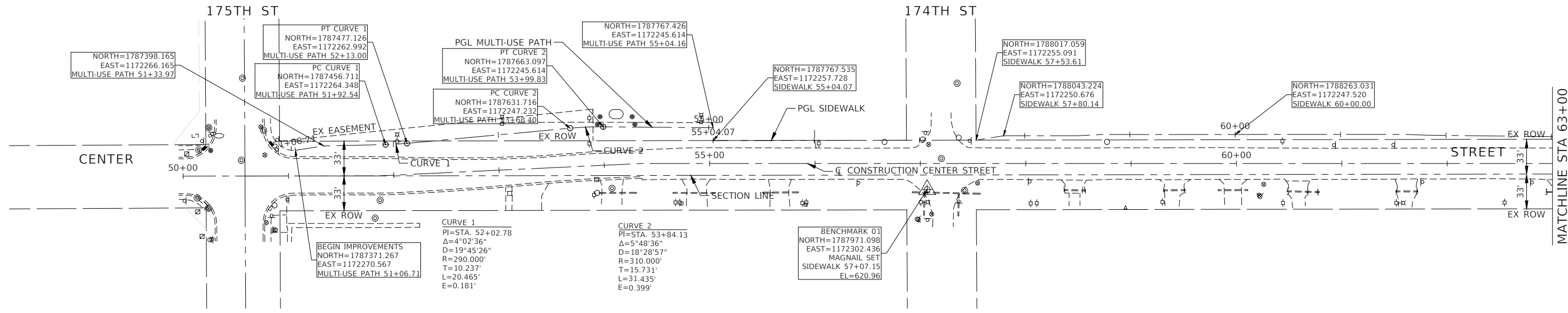
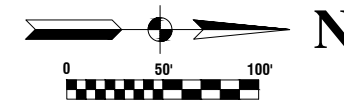
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	CHECKED -- WPD	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CENTER STREET  
ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS  
TYPICAL CROSS SECTIONS

SCALE: SHEET NO. 10 OF 49 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	10
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NM5A(507)				



**BENCHMARK**

BM-01  
MAGNAIL SET IN PAVEMENT AT SOUTHEAST INTERSECTION OF  
174TH STREET AND CENTER STREET  
EL=620.96

BM-02  
MAGNAIL SET IN PAVEMENT AT SOUTHEAST INTERSECTION OF  
173RD STREET AND CENTER STREET  
EL=620.23

BM-03  
MAGNAIL SET IN PAVEMENT AT NORTHWEST INTERSECTION OF  
172ND STREET AND CENTER STREET  
EL=618.86

FILE NAME = 21R0969-PLAN-01 - ALIGN

USER NAME =  
PLOT SCALE =  
PLOT DATE = 12-05-24

DESIGNED -- MG  
CHECKED -- ###  
DRAWN -- RG.MED  
CHECKED -- AG

REVISED --  
REVISED --  
REVISED --  
REVISED --

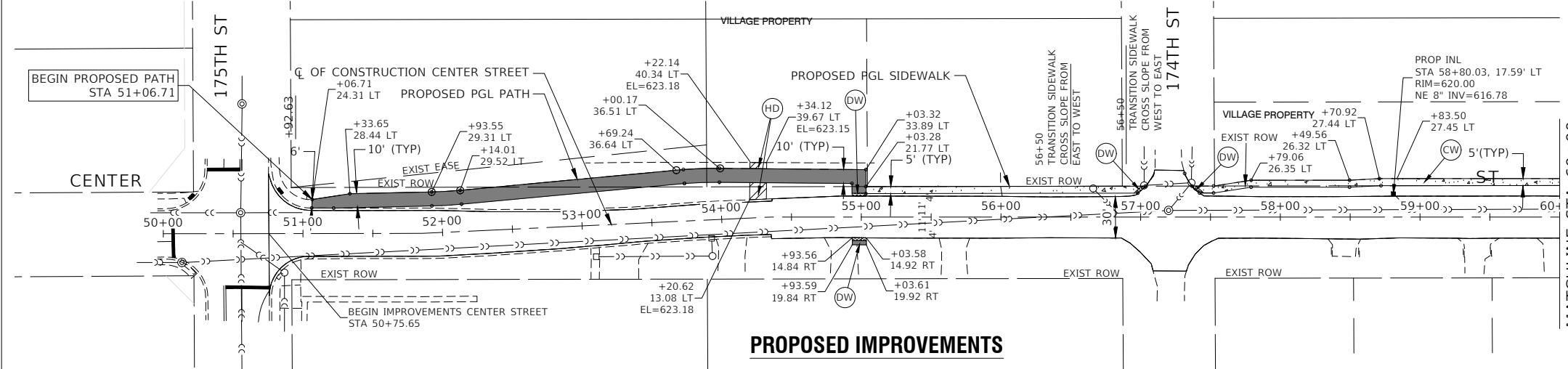
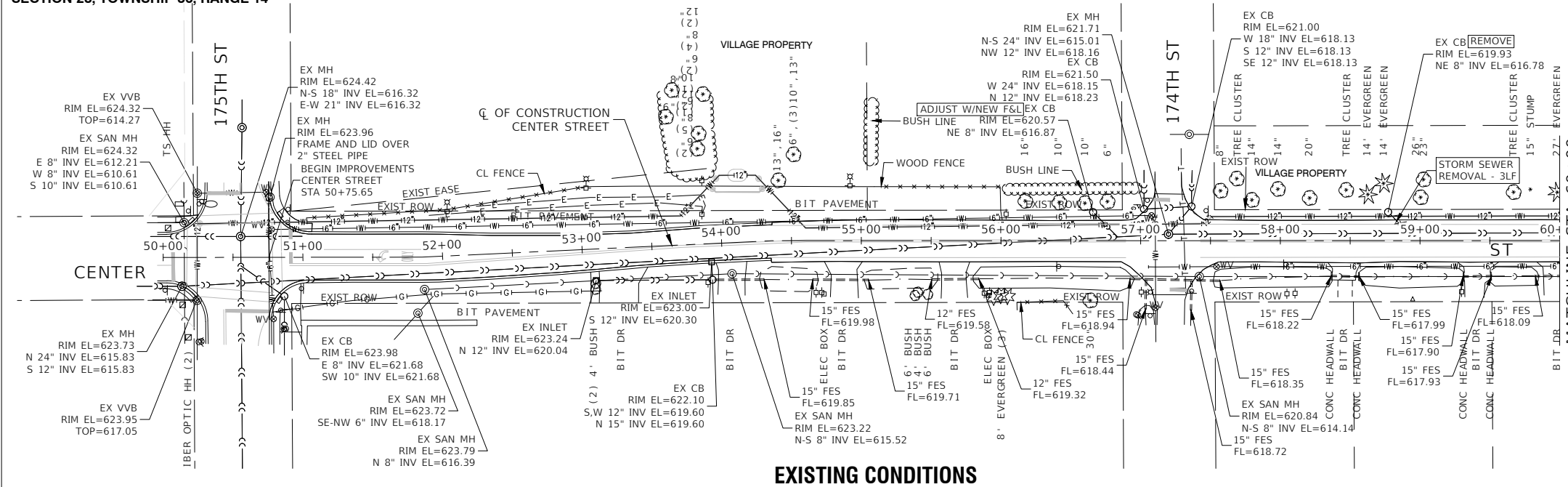
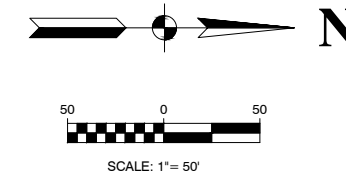
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CENTER STREET  
ROADWAY RESURFACING AND PEDESTRIAN ACCOMMODATIONS  
ALIGNMENT AND TIES

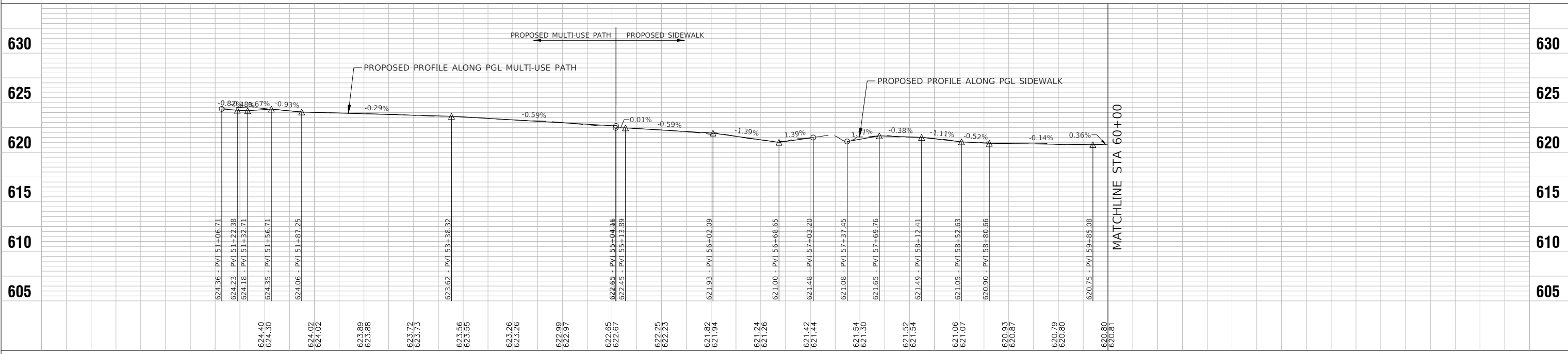
SCALE: NONE SHEET NO. 11 OF 49 SHEETS STA. 50+75.65 TO STA. 76+92.09

F.A.# RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00028-00-RS	COOK	49	11
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NM5A(507)				



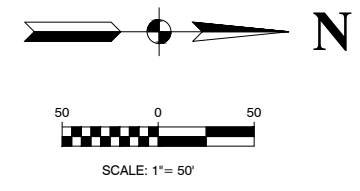
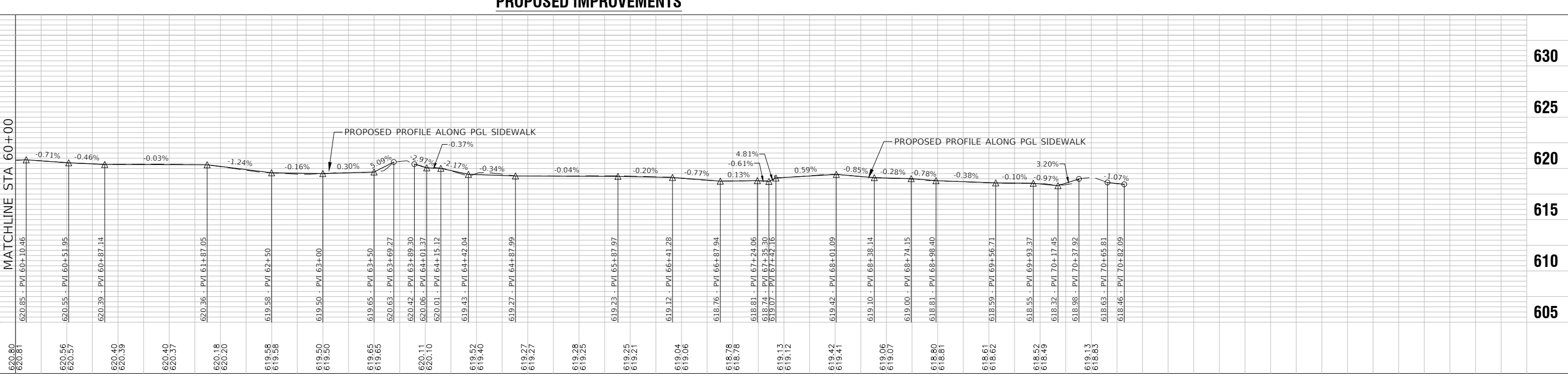
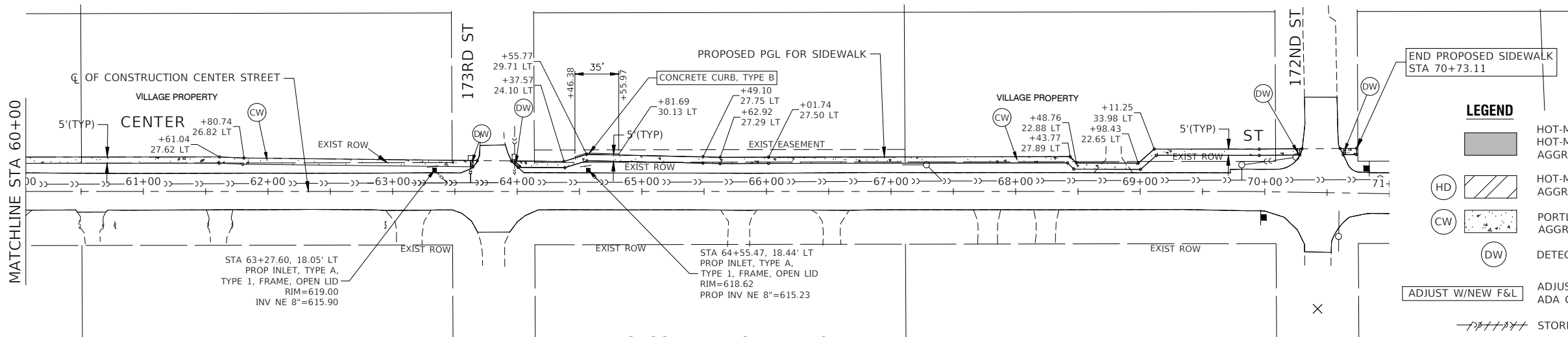
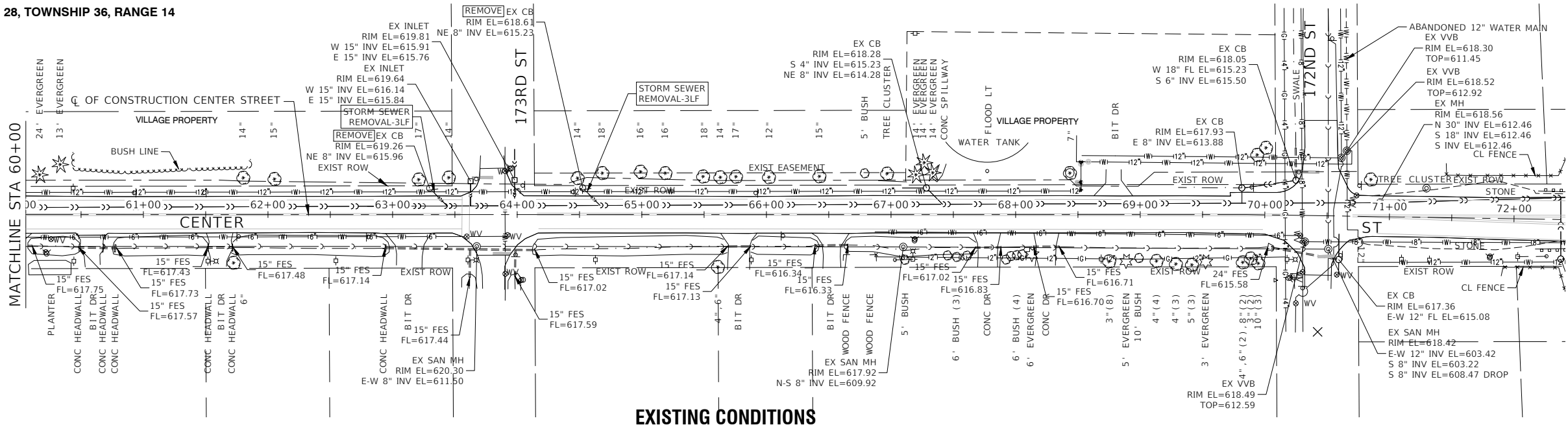


- LEGEND**
- HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1-1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/4" AGGREGATE BASE COURSE, TYPE B, 6"
  - HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4" AGGREGATE BASE COURSE, TYPE B, 6"
  - PORTLAND CEMENT CONCRETE SIDEWALK, 5" AGGREGATE BASE COURSE, TYPE B, 4"
  - DETECTABLE WARNINGS
  - ADJUST WITH NEW FRAME AND LID, TYPE 1 FRAME, ADA COMPLIANT, OPEN LID
  - STORM SEWER REMOVAL



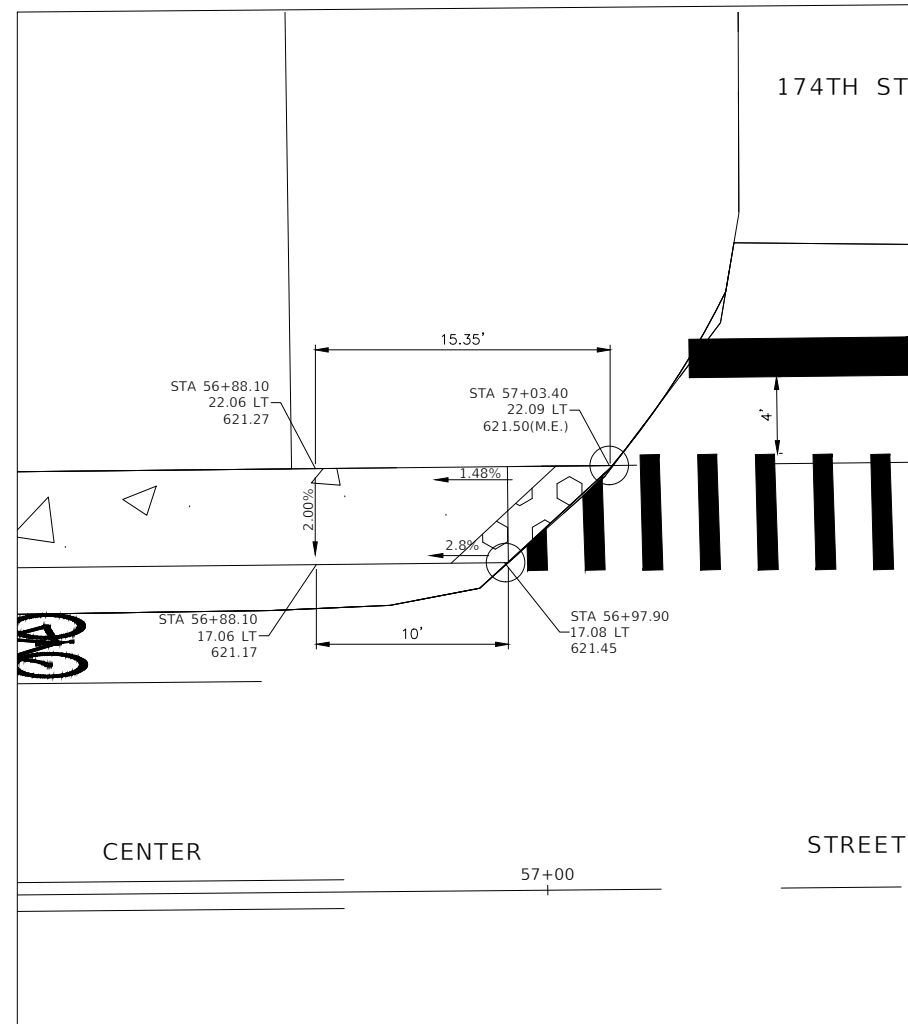
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PLOT SCALE = 1"=100'	DRAWN - RG	REVISED -	REVISED -			1049	22-00026-00-RS	COOK	49	12
PLOT DATE = 12-05-24	CHECKED - AG	REVISED -	REVISED -			CONTRACT NO. 61L14				
						FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	NM5A(507)	

SECTION 28, TOWNSHIP 36, RANGE 14

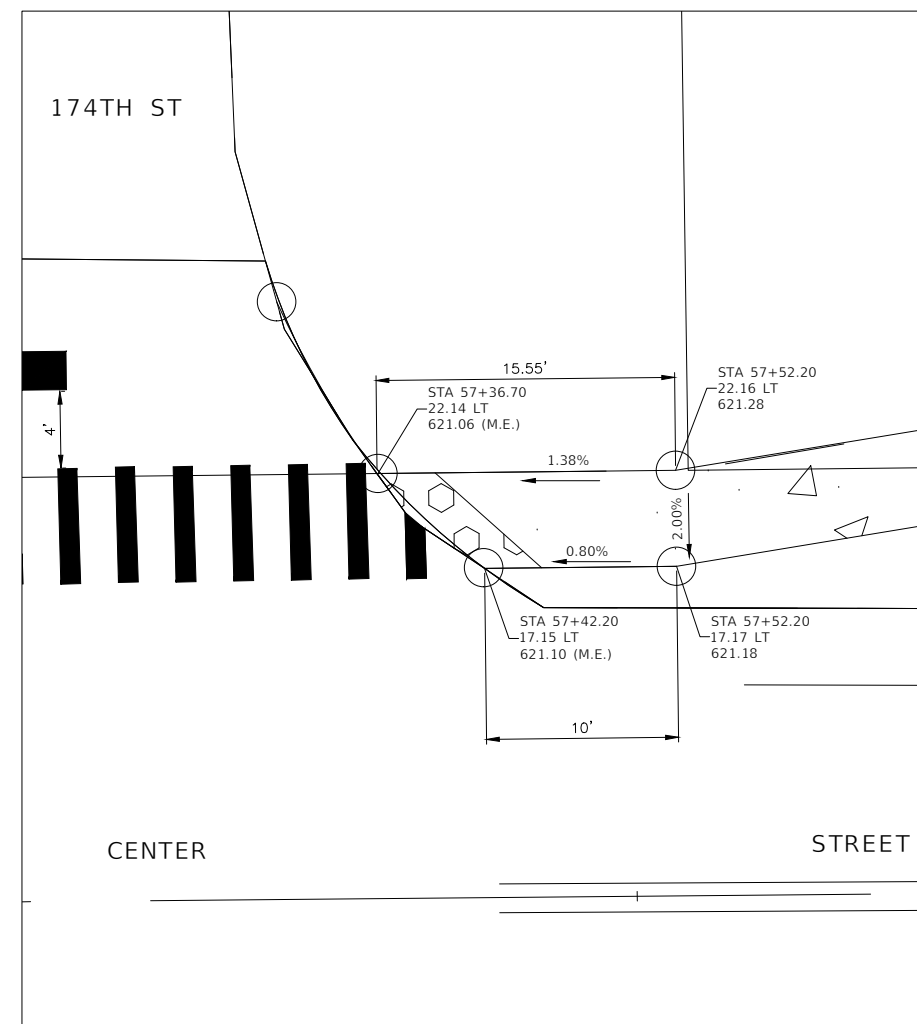
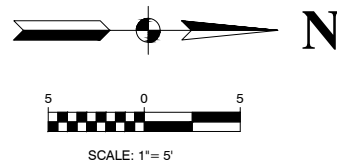


- LEGEND**
- HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1-1/2" AGGREGATE BASE COURSE, TYPE B, 6"
  - HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4" AGGREGATE BASE COURSE, TYPE B, 6"
  - PORTLAND CEMENT CONCRETE SIDEWALK, 5" AGGREGATE BASE COURSE, TYPE B, 4"
  - DETECTABLE WARNINGS
  - ADJUST W/NEW F&L, ADA COMPLIANT, OPEN LID
  - STORM SEWER REMOVAL

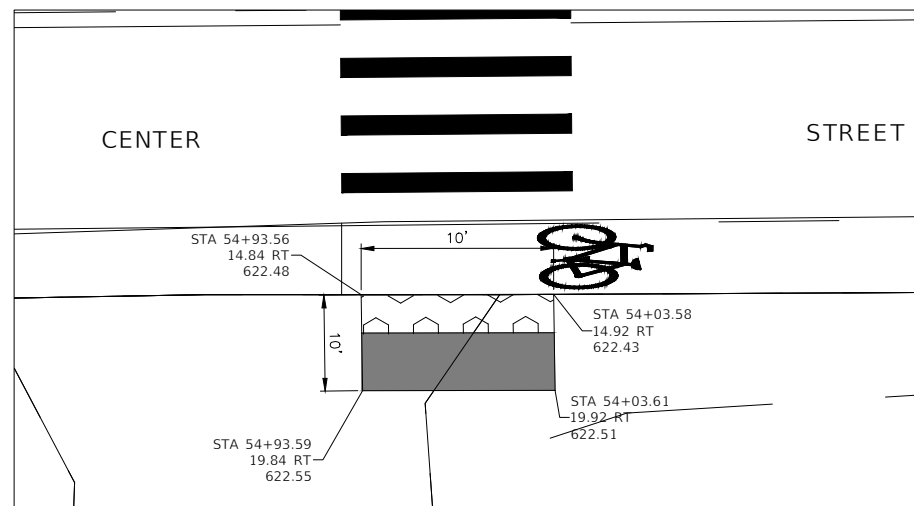
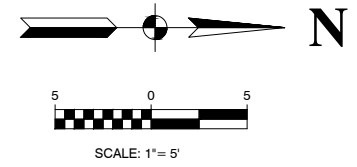
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PLOT SCALE = 1"=100'	DRAWN - RG	REVISOR -	REVISOR -									SCALE: H:1"=50' V:1"=5'	SHEET NO. 13	OF 49 SHEETS	STA. 60+00	TO STA. 70+82.09
PLOT DATE = 12-05-24	CHECKED - AG	REVISOR -	REVISOR -	CONTRACT NO. 61L14												



**ADA DETAILS**  
SCALE : 1"=5'



**ADA DETAILS**  
SCALE : 1"=5'



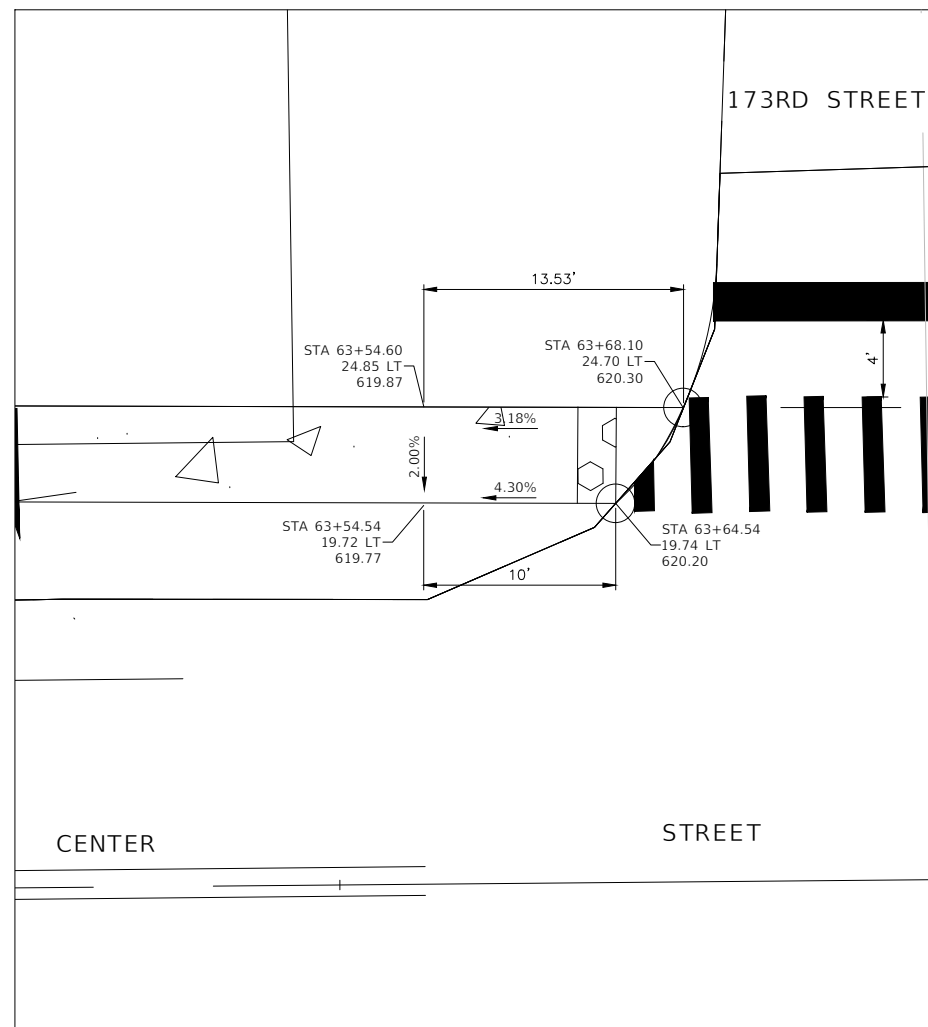
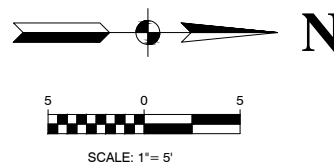
**ADA DETAILS**  
SCALE : 1"=5'

FILE NAME = 21R0969-PLPR-01 - ADA DETAILS	USER NAME =	DESIGNED -- MG	REVISED --
		CHECKED -- WPD	REVISED --
	PLOT SCALE =	DRAWN -- RG	REVISED --
	PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --

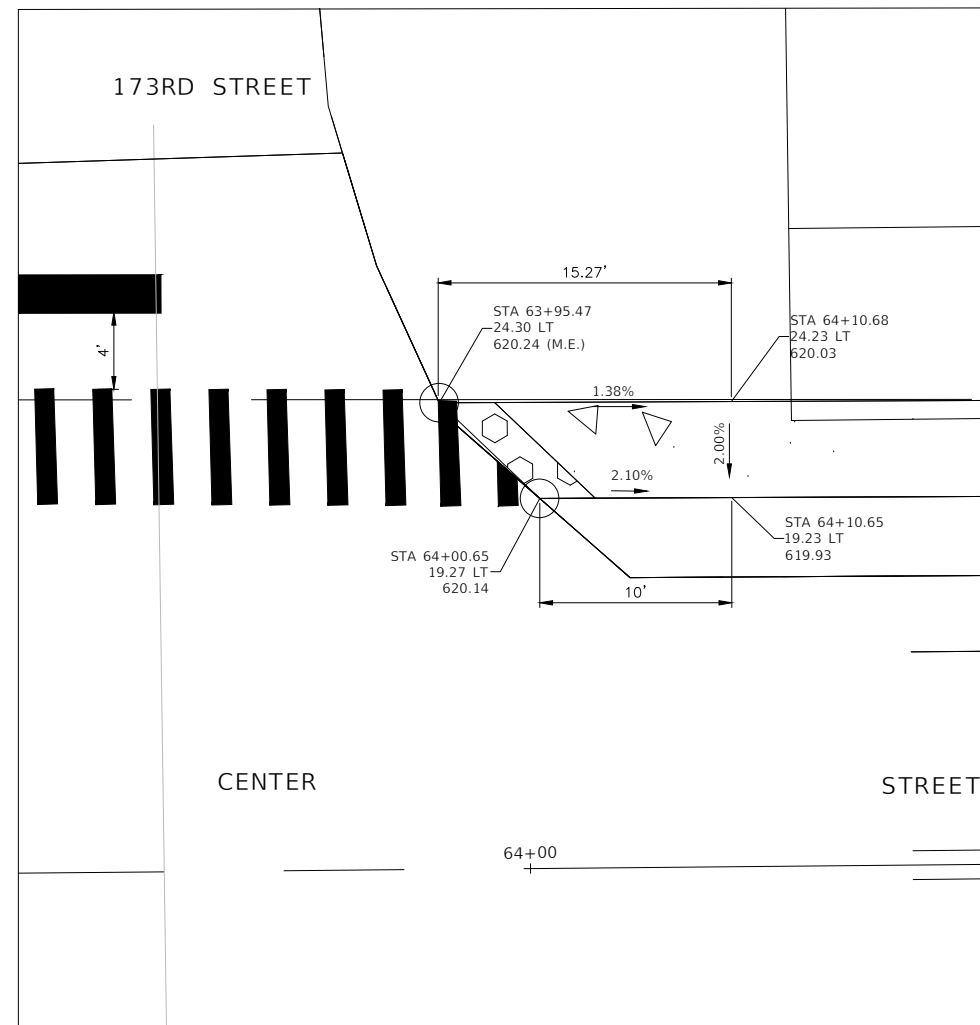
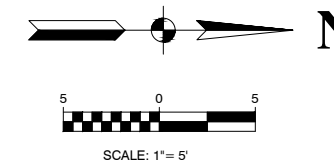
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CENTER STREET ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS ADA DETAIL SHEET			
SCALE: 1"=5'	SHEET NO. 14	OF 49 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	14
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NM5A(507)				



**ADA DETAILS**  
SCALE : 1"=5'



**ADA DETAILS**  
SCALE : 1"=5'

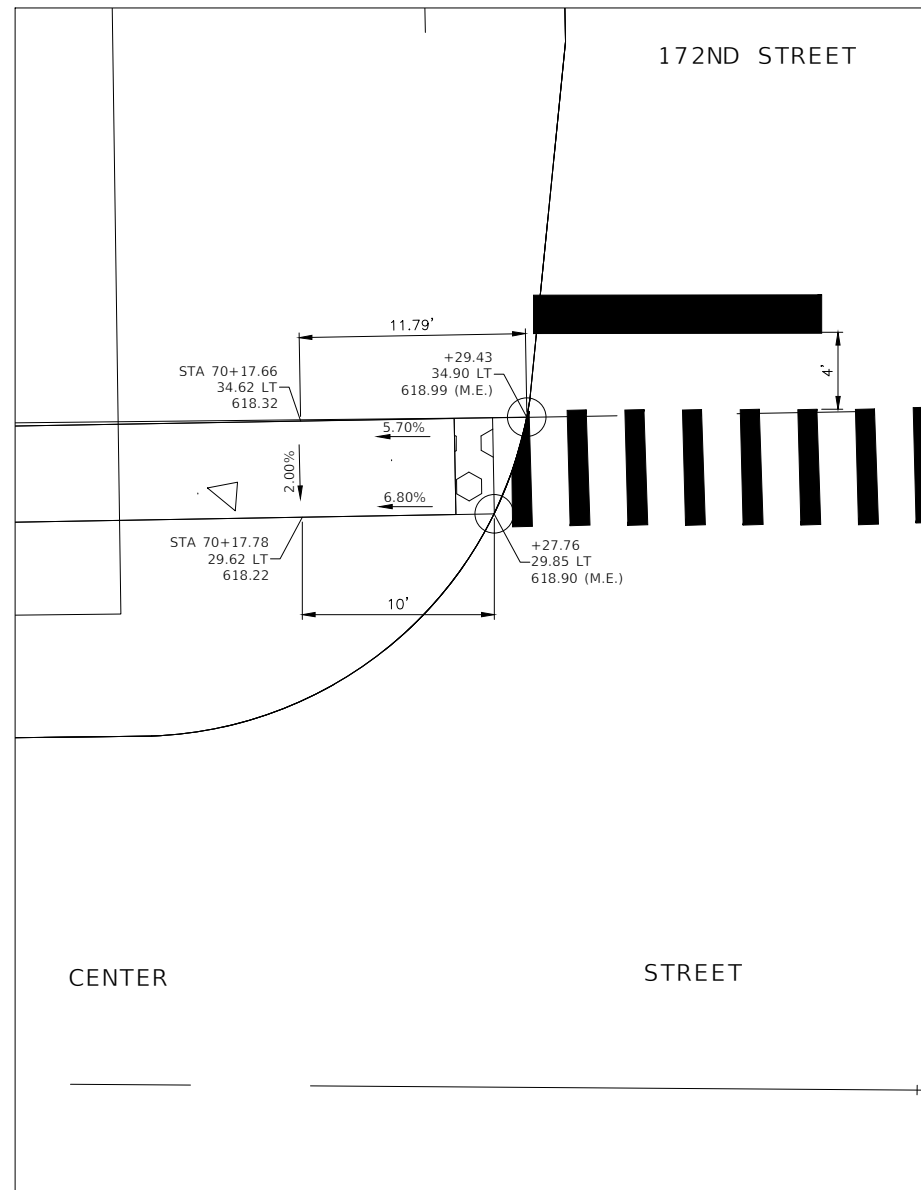
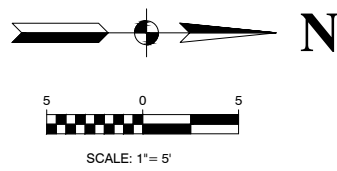
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	PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

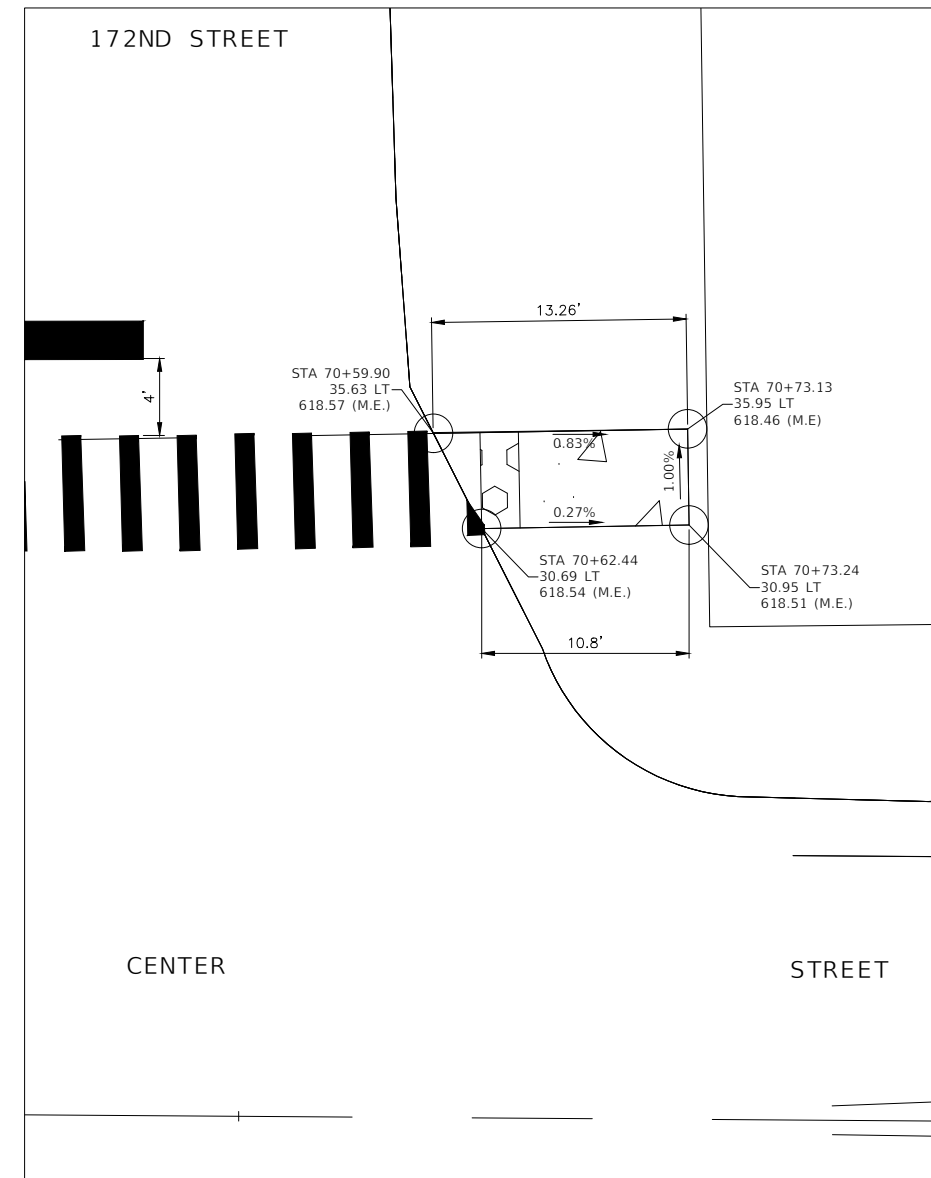
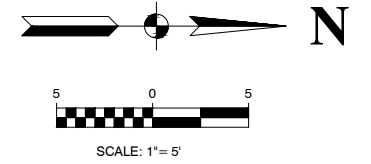
CENTER STREET  
ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS  
ADA DETAIL SHEET

SCALE: 1"=5' SHEET NO. 15 OF 49 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	15
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NM5A(507)				



**ADA DETAILS**  
SCALE : 1"=5'



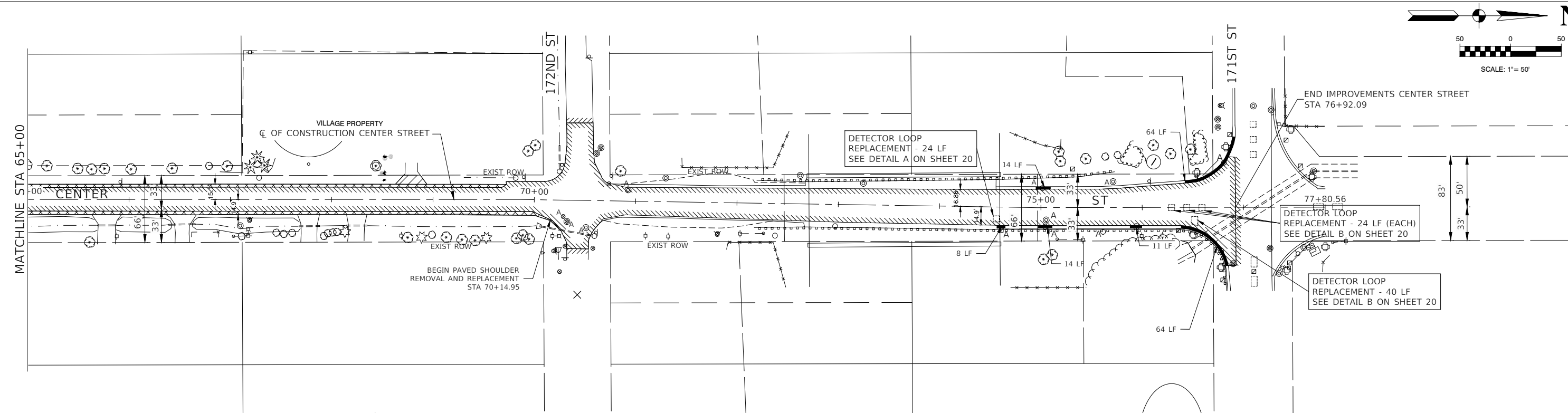
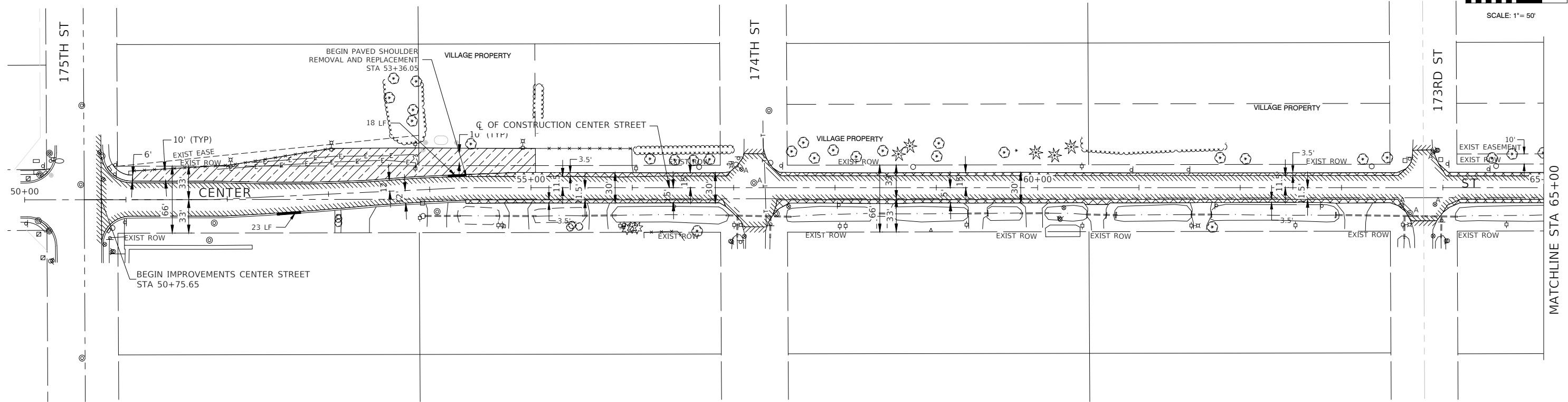
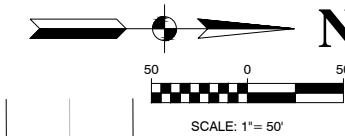
**ADA DETAILS**  
SCALE : 1"=5'

FILE NAME = 21R098-PLPR-01 - ADA DETAILS (3)	USER NAME =	DESIGNED -- MG	REVISED --
		CHECKED -- WPD	REVISED --
	PLOT SCALE =	DRAWN -- RG	REVISED --
	PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CENTER STREET ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS ADA DETAIL SHEET	
SCALE: 1"=5'	SHEET NO. 16 OF 49 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	16
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	NM5A(507)	



**LEGEND**

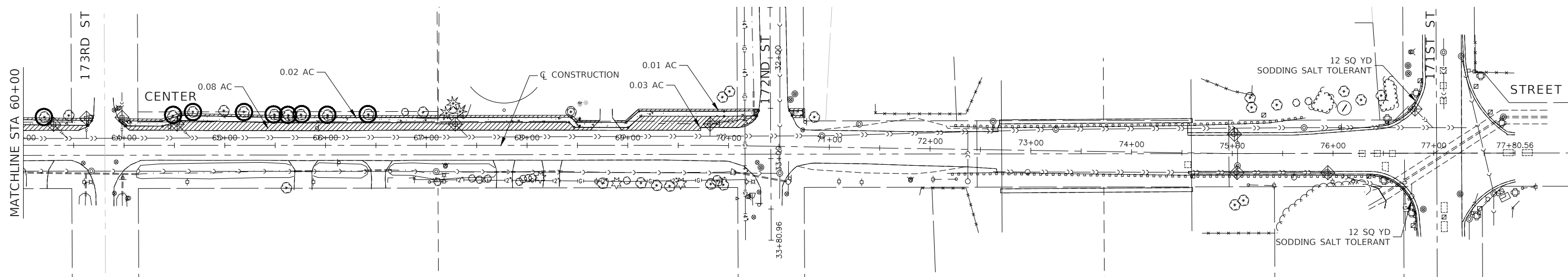
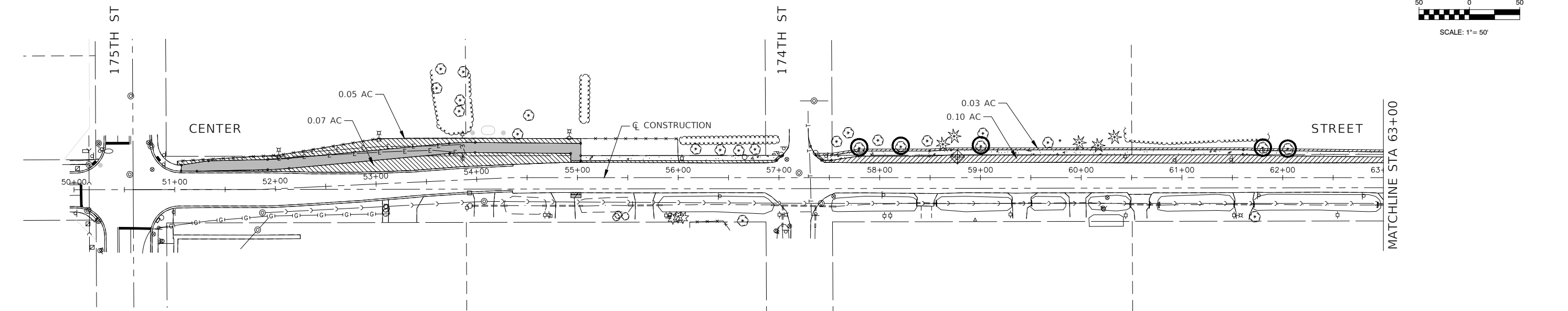
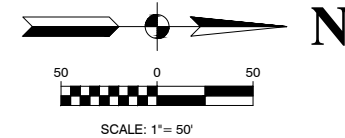
- |  |  |  |   |  |   |
|--|--|--|---|--|---|
|  | HOT-MIX ASPHALT SURFACE REMOVAL, 2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4" HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1-1/2"   |  | PAVEMENT REMOVAL  |  | GUTTER REMOVAL OR COMBINATION CURB AND GUTTER REMOVAL CONCRETE GUTTER, TYPE A OR COMBINATION CURB AND GUTTER, TYPE B-6.24 |
|  | PAVED SHOULDER REMOVAL HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, N50, 1-1/2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 3-3/4" AGGREGATE BASE COURSE, TYPE B, 6" |  | DRIVEWAY PAVEMENT REMOVAL HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4" |  | DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED  |
|  |  |  | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT                    |  | DRAINAGE AND UTILITY STRUCTURES TO BE RECONSTRUCTED   |

FILE NAME = 21R0969-PLAN-02 - RESURF-01	USER NAME =	DESIGNED -- MG	REVISED --
		CHECKED -- WPD	REVISED --
	PLOT SCALE =	DRAWN -- RG	REVISED --
	PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CENTER STREET ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS ROADWAY RESURFACING PLAN</b>	
SCALE: 1"=50'	SHEET NO. 17 OF 49 SHEETS
STA. 50+75.65	TO STA. 76+92.09

F.A.U. RTE. 1049	SECTION 22-00026-00-RS	COUNTY COOK	TOTAL SHEETS 49	SHEET NO. 17
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	NM5A(507)	



**NOTE**  
 ALL RESTORATION WITH IN COOK COUNTY ROW AT 171ST STREET SHALL BE COMPLETED WITH TOPSOIL FURNISH AND PLACE, 4" AND SODDING, SALT TOLERANT.

KEY	ITEM NAME
	TREE TRUNK PROTECTION TREE PRUNING (OVER 10 INCH DIA.) TREE ROOT PRUNING MULCH PLACEMENT 4"
	INLET FILTER
	TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A EROSION CONTROL BLANKET

FILE NAME = 21R0969-LNCS-01 - P01

USER NAME =	DESIGNED -- MG	REVISED --
	CHECKED -- WPD	REVISED --
PLOT SCALE = 1"=100'	DRAWN -- RG, MED	REVISED --
PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --

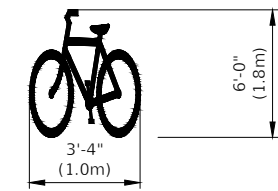
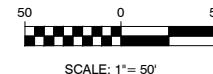
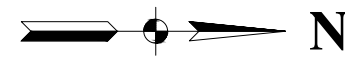
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CENTER STREET  
 ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS  
 LANDSCAPING & EROSION CONTROL

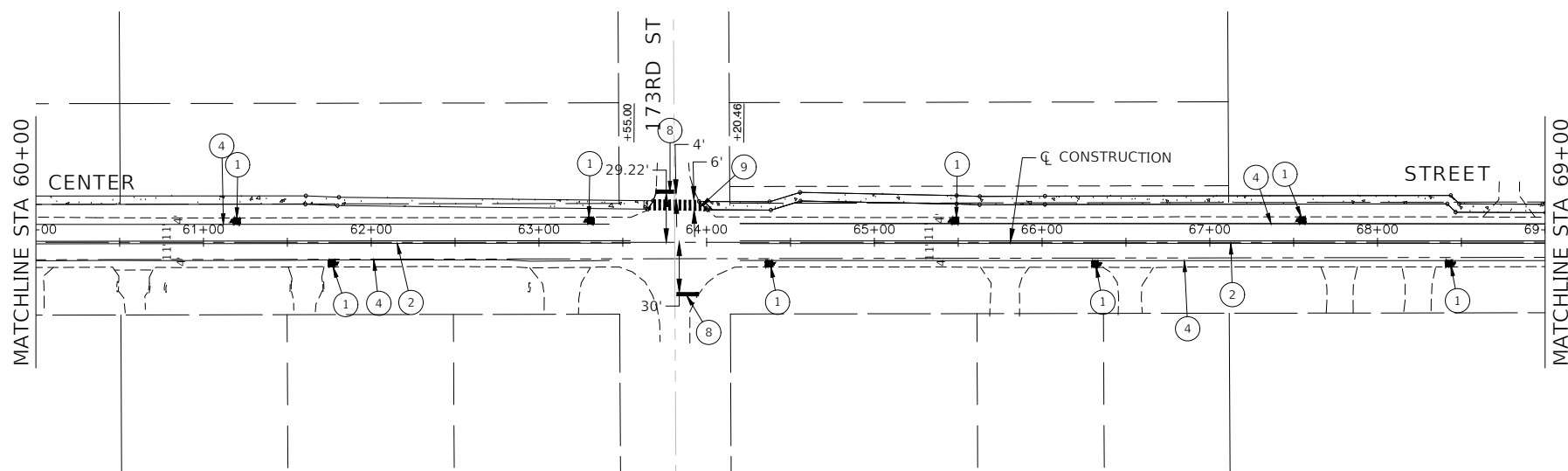
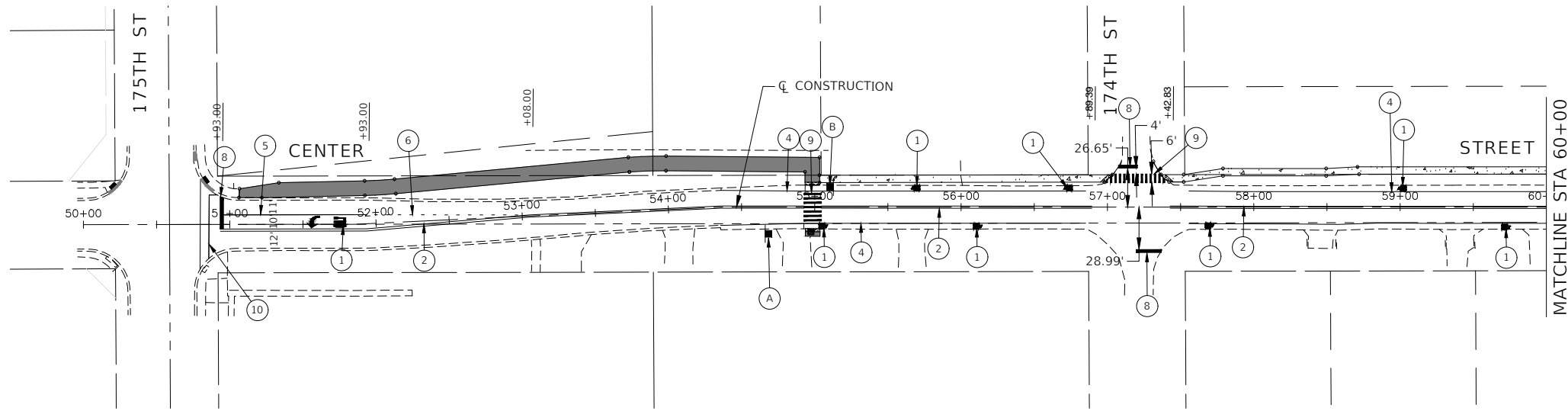
SCALE: 1"=50' SHEET NO. 18 OF 49 SHEETS STA. 50+75.65 TO STA. 76+92.09

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	18
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NM5A(507)				



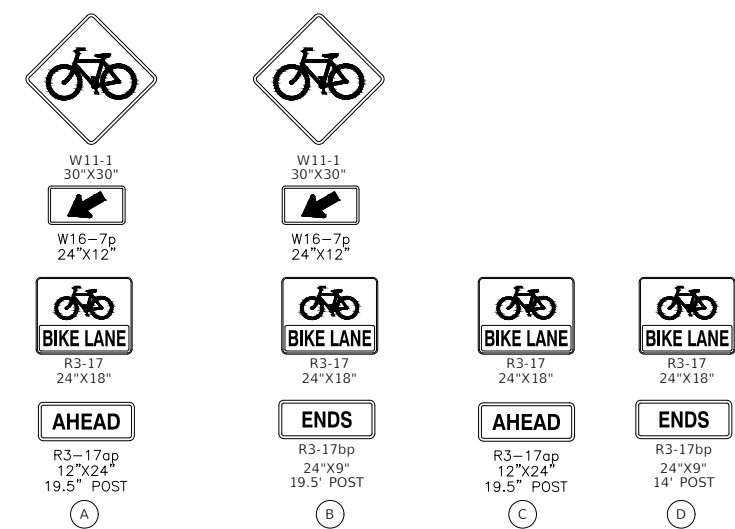


**BIKE SYMBOL DETAIL**  
4.7 SQ FT



**LEGEND**

- ① WHITE LETTERS & SYMBOLS
- ② DOUBLE 4" YELLOW CENTERLINE (11" C/C)
- ③ DOUBLE 4" YELLOW MEDIAN OUTLINE (11" C/C)
- ④ 4" WHITE EDGE LINE
- ⑤ 6" WHITE LANE LINE
- ⑥ 6" WHITE SKIP-DASH LINE (2' LINE - 6' SPACE)
- ⑦ 12" YELLOW DIAGONAL LINE (20' C/C)
- ⑧ 24" WHITE STOP BAR
- ⑨ 12" WHITE CROSS WALK (2' C/C)
- ⑩ 6" WHITE CROSS WALK (6' C/C)
- TRAFFIC SIGN

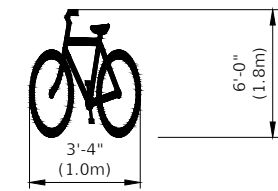
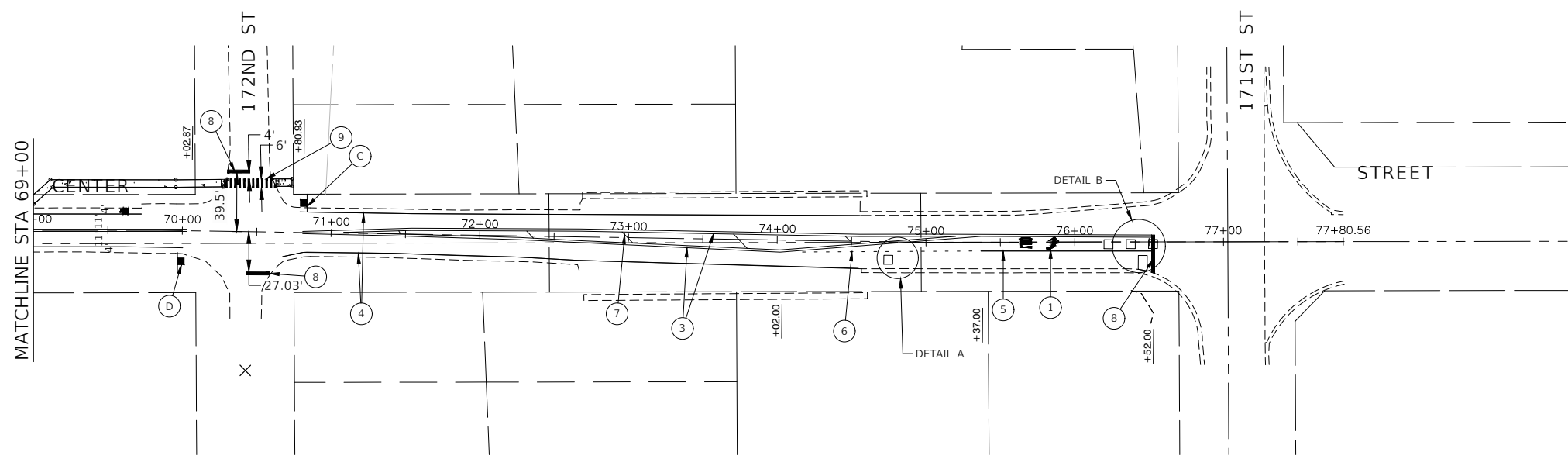
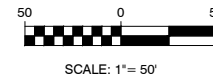
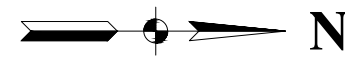


FILE NAME = 21R0969-PVMK-01 - P01	USER NAME =	DESIGNED -- MG	REVISED --
		CHECKED -- WPD	REVISED --
	PLOT SCALE =	DRAWN -- RG.MED	REVISED --
	PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CENTER STREET  
ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS  
PAVEMENT MARKING AND SIGNAGE PLAN  
SCALE: 1"=50' SHEET NO. 19 OF 49 SHEETS STA. 50+75.65 TO STA. 69+00

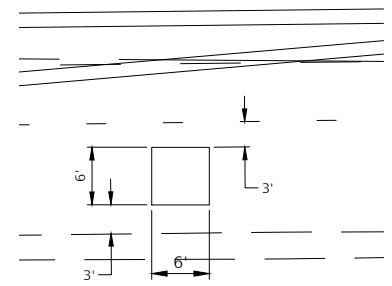
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	19
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	NM5A(507)	



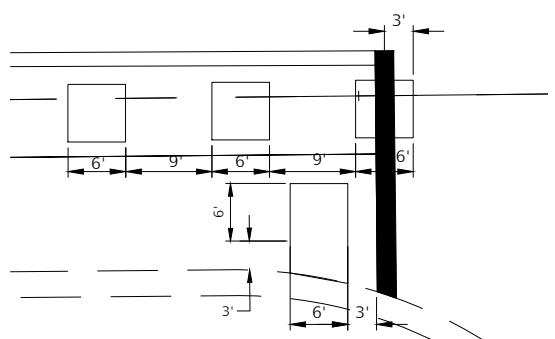
**BIKE SYMBOL DETAIL**  
4.7 SQ FT

**LEGEND**

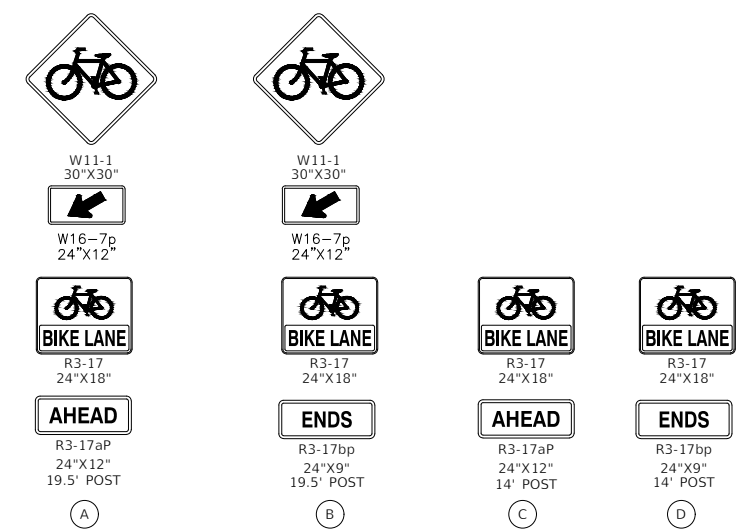
- ① WHITE LETTERS & SYMBOLS
- ② DOUBLE 4" YELLOW CENTERLINE (11" C/C)
- ③ DOUBLE 4" YELLOW MEDIAN OUTLINE (11" C/C)
- ④ 4" WHITE EDGE LINE
- ⑤ 6" WHITE LANE LINE
- ⑥ 6" WHITE SKIP-DASH LINE (2' LINE - 6' SPACE)
- ⑦ 12" YELLOW DIAGONAL LINE (20' C/C)
- ⑧ 24" WHITE STOP BAR
- ⑨ 12" WHITE CROSS WALK (2' C/C)
- ⑩ 6" WHITE CROSS WALK (6' C/C)
- TRAFFIC SIGN



**DETAIL A**  
DETECTOR LOOP REPLACEMENT  
SCALE 1"=10'



**DETAIL B**  
DETECTOR LOOP REPLACEMENT  
SCALE 1"=10'

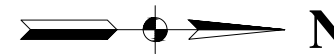


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		CHECKED -- WPD	REVISED --
	PLOT SCALE = 1"=100'	DRAWN -- RG.MED	REVISED --
	PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CENTER STREET  
ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS  
PAVEMENT MARKING AND SIGNAGE PLAN  
SCALE: 1"=50' SHEET NO. 20 OF 49 SHEETS STA. 69+00 TO STA. 76+92.04

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	20
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NM5A(507)				

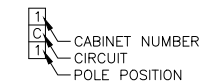


**LEGEND:**

- PROPOSED STREET LIGHT  
67-68 W LED, TYPE II DISTRIBUTION  
35' MH, 8" MA, WITH 5/8" DIA. X 10' GROUND ROD
- PROPOSED STREET LIGHT  
84-87 W LED, TYPE II DISTRIBUTION  
35' MH, 8" MA, WITH 5/8" DIA. X 10' GROUND ROD
- ▣ PROPOSED CONTROLLER
- ⊕ COMED POWER POLE FOR SERVICE INSTALLATION
- UNDERGROUND CONDUIT, RIGID GALVANIZED STEEL (RGSC)  
PUSHED, SIZED AS NOTED
- UNIT DUCT, 3-1/2" NO.4 AWG AND  
NO.6 GROUND, 600V IN 1-1/4" POLYETHYLENE DUCT
- ⊢ CAPPED RACEWAY
- SERVICE WIRE IN 2.5" RIGID GALVANIZED STEEL CONDUIT,  
3-1/2" NO. 1/0 AWG, XLP-TYPE USE

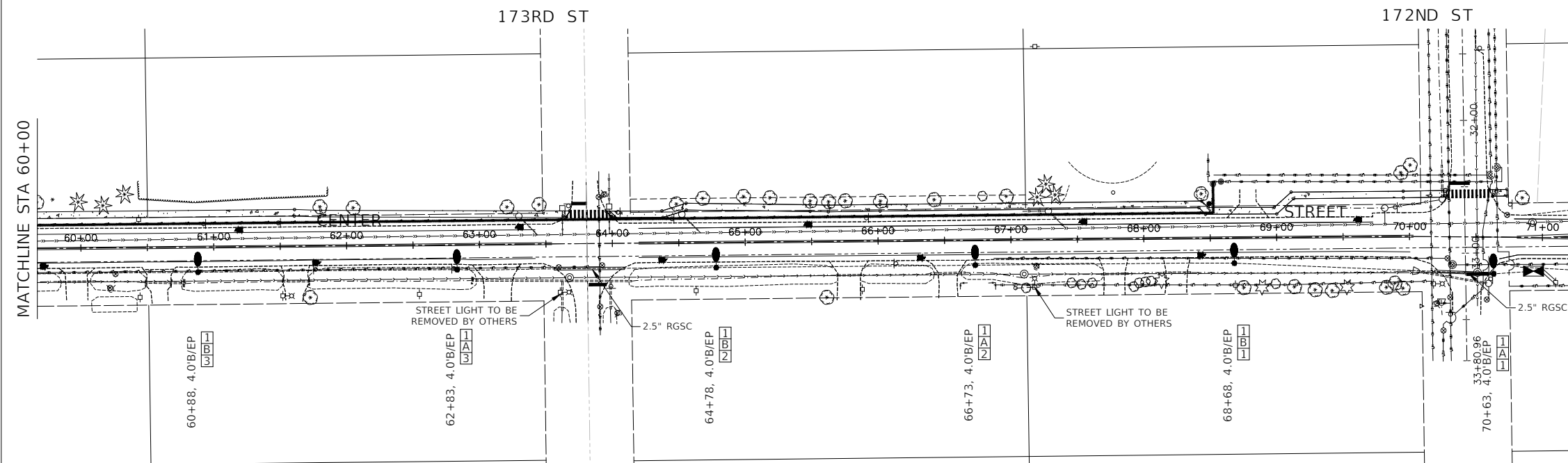
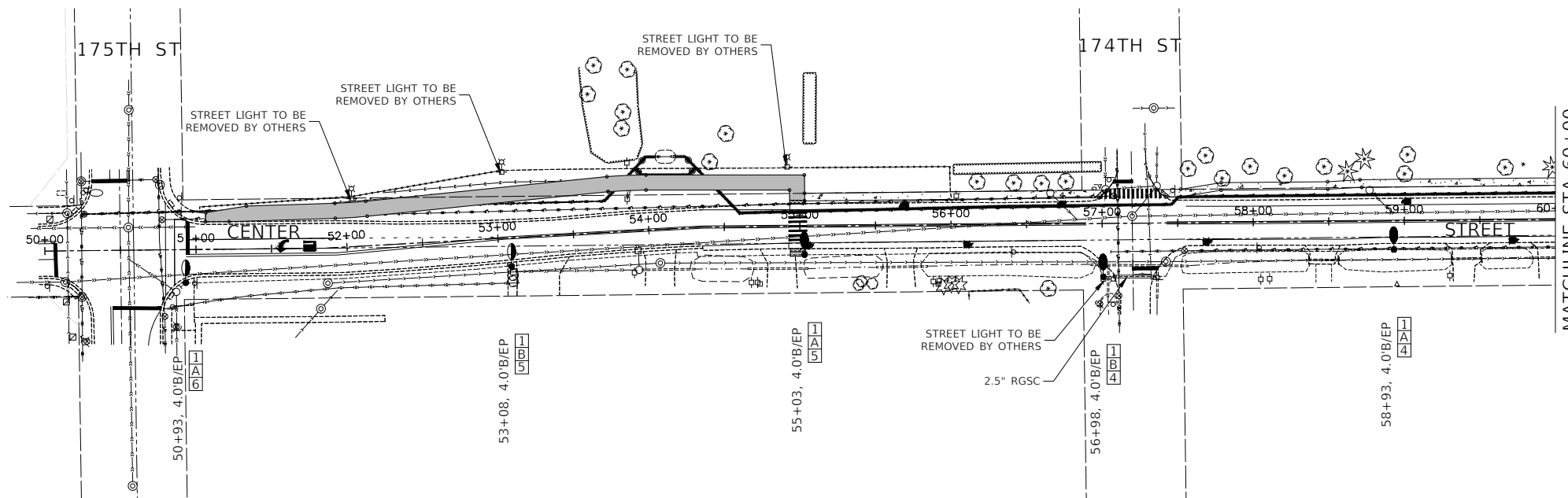
B/EP BACK OF EDGE OF PAVEMENT

**POLE IDENTIFICATION**



**NOTES:**

1. ALL PROPOSED STREET LIGHTS SHALL BE EQUIPPED WITH BREAKAWAY DEVICE TRANSFORMER BASES.
2. ALL MEASUREMENTS ARE TO CENTER OF FOUNDATION.
3. CONNECTION TO EXISTING LIGHTS SHALL BE ACCOMPLISHED BY PROVIDING NEW FUSE KITS AND SPLICES PER THE LIGHTING DETAILS. THE COST OF CONNECTING TO THE EXISTING LIGHTS INCLUDING THE MATERIALS REQUIRED, SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE UNIT DUCT.



FILE NAME = 21R0969-LGHT-01 - IDOT P01

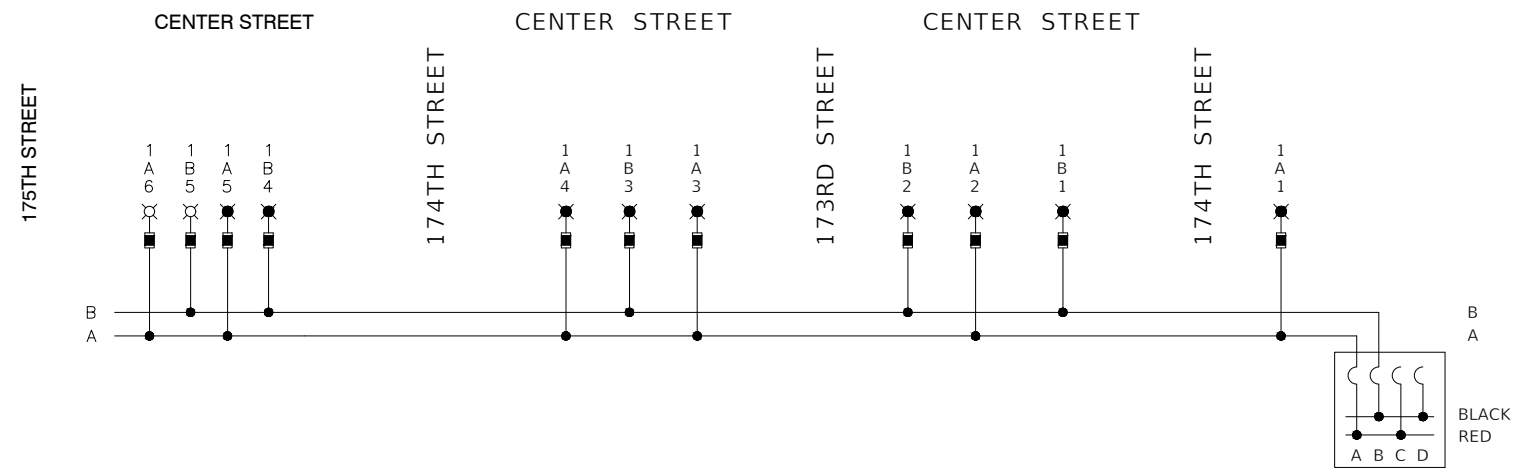
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	CHECKED -- WPD	REVISED --
PLOT SCALE = 1"=100'	DRAWN -- MED	REVISED --
PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CENTER STREET  
ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS  
STREET LIGHTING PLANS

SCALE: 1"=50' SHEET NO. 21 OF 49 SHEETS STA. 50+75.65 TO STA. 71+50

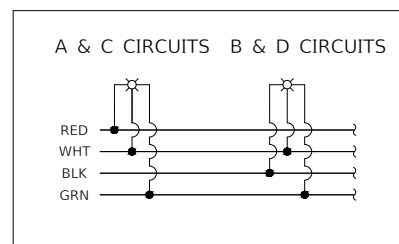
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	21
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NM5A(507)				



NOMINAL WATTAGE	FUSE SIZE
67-68	1.0 AMP
84-87	2.0 AMP
180	6.0 AMP

**FUSE SIZE TABLE**

**TYPICAL CIRCUIT WIRING**



CABINET 1 - CENTER STREET			
CIRCUIT	WATTS	AMPS @ 240V	
		RED PHASE	BLACK PHASE
A	427	3.56	
B	359		2.99
C	0	0.00	
D	0		0.00
SUBTOTAL	786	3.56	2.99
TOTAL AMPS @ 120 V		6.55	

**NOTES**

- EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND BOUNDED AT EACH LIGHT POLE OR OTHER EQUIPMENT.

**LEGEND**

- ☒ PROPOSED LUMINAIRE, 67-68W LED
- ☒ PROPOSED LUMINAIRE, 84-87W LED
- PROPOSED FUSE - REFER TO FUSE SIZE TABLE
- A LUMINAIRE CIRCUIT, 120V
- { CIRCUIT BREAKER
- CONNECTION

INDIVIDUAL LOAD DATA		
INPUT VOLTS	MAX INPUT AMPS	INPUT WATTS
120.00	0.60	67-68
120.00	0.70	84-87

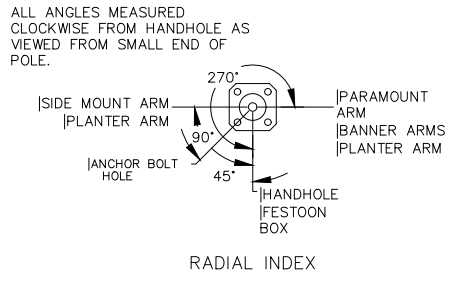
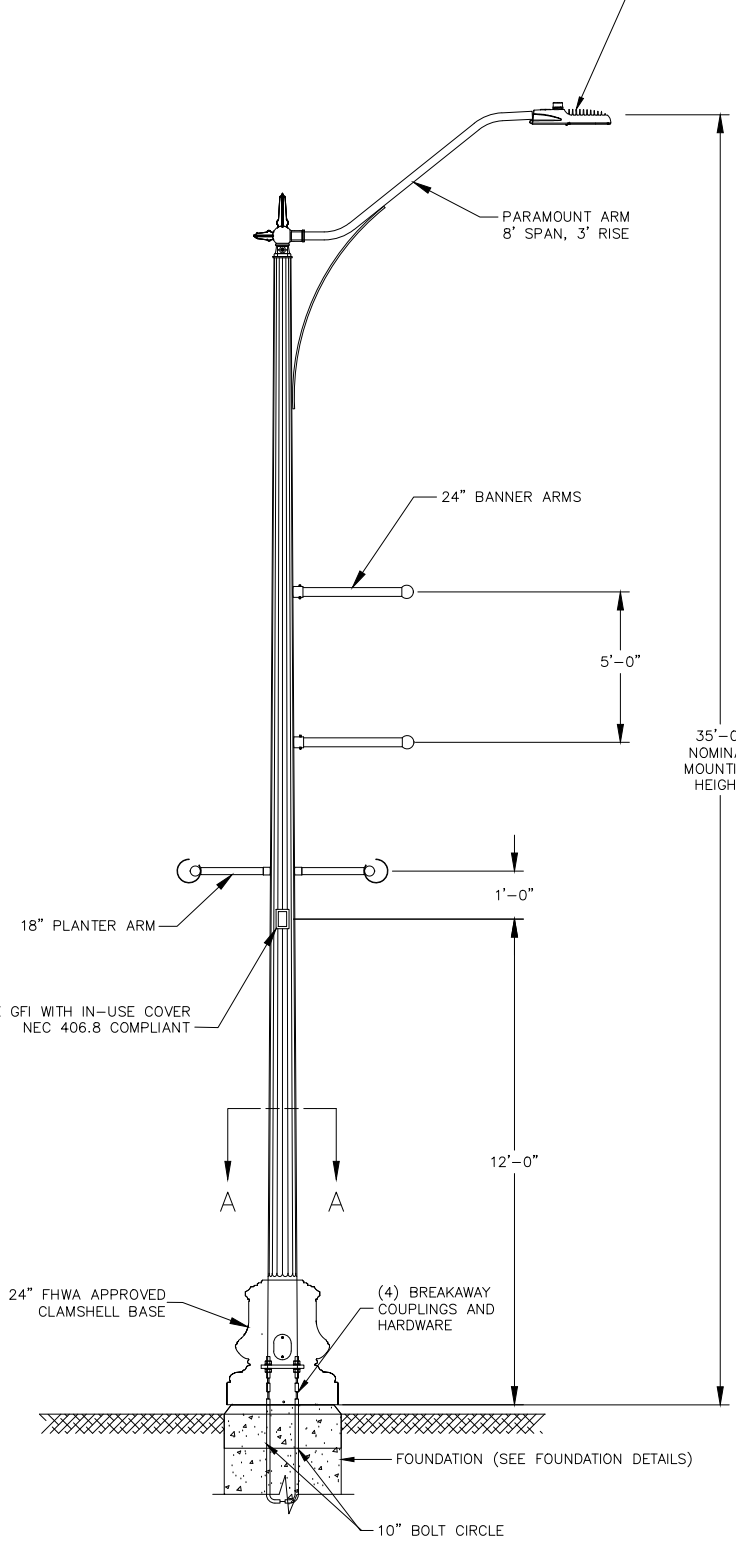
FILE NAME = 21R0969-LGHT-01 - IDOT P02 (2)	USER NAME =	DESIGNED -- MG	REVISED --
		CHECKED -- WPD	REVISED --
	PLOT SCALE =	DRAWN -- ACAD	REVISED --
	PLOT DATE = 12-05-24	CHECKED -- ACAD	REVISED --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

CENTER STREET ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS SINGLE LINE WIRING DIAGRAM		
SCALE:	SHEET NO. 22 OF 49 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	22
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	NM5A(507)	

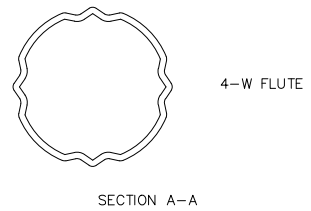
<b>LUMINAIRE:</b>		<b>LUMINAIRE:</b>	
68 WATT LED	120 VOLT, 1300mA DRIVER	87 WATT LED	120 VOLT, 1300mA DRIVER
I.E.S. TYPE: TYPE II		I.E.S. TYPE: TYPE II	
BWG RATING: B2-U0-G2		BWG RATING: B2-U0-G2	
LENS TYPE: FLAT		LENS TYPE: FLAT	
INITIAL LAMP LUMENS: 9000		INITIAL LAMP LUMENS: 11000	
L82: 60,000 HOURS		L82: 60,000 HOURS	



**DESIGN LOADS**

TOP FIXTURE WEIGHT:	16 LBS
TOP FIXTURE EPA:	0.50 FT <sup>2</sup>
LOWER FIXTURE WEIGHT:	43 LBS
LOWER FIXTURE EPA:	1.40 FT <sup>2</sup>
MAXIMUM PLANTER WEIGHT:	50 LBS

- NOTES:**
1. THE LIGHTING UNITS SHALL MEET AASHTO DESIGN CRITERIA. DESIGN FOR 90 M.P.H. WIND WITH 30% GUST AND 75 POUND LUMINAIRE HAVING AN E.P.A. OF 1.6 SQ. FT. AND PROPER ICE LOADING.
  2. POLE SHALL BE ASTM A595 GR. A STEEL.
  3. LIGHT POLE AND ASSOCIATED EQUIPMENT TO BE U.L. LISTED
  4. POLE, LUMINAIRES, ACCESSORIES, AND ALL MOUNTING BRACKETS TO BE BLACK POWDERCOAT



**TYPICAL POLE INSTALLATION**

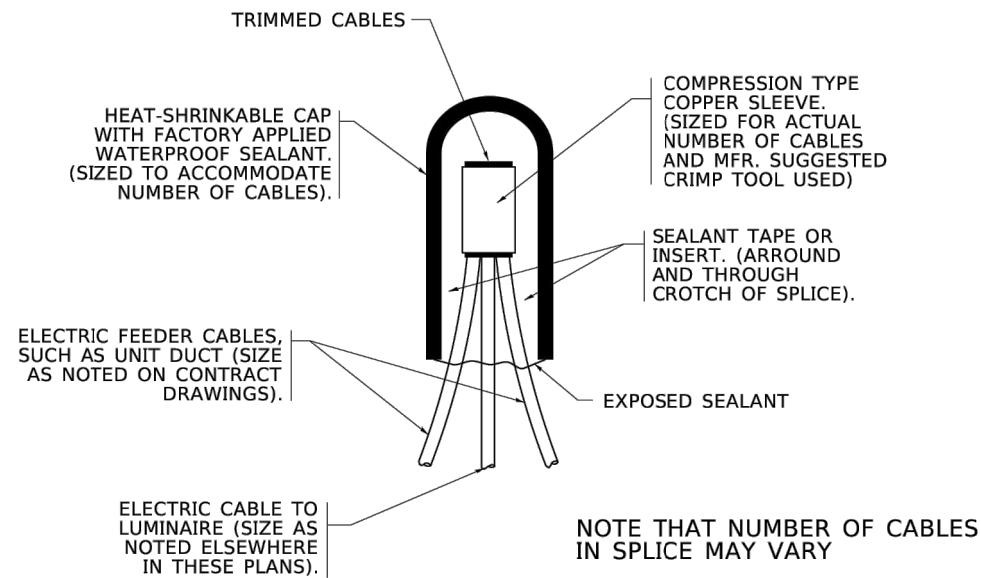
FILE NAME = 21R0969-LGHT-DTLS-01 - IDOT P02	USER NAME =	DESIGNED -- MG	REVISED --
		CHECKED -- WPD	REVISED --
	PLOT SCALE =	DRAWN -- MED	REVISED --
	PLOT DATE = 12-05-24	CHECKED -- APG	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CENTER STREET  
ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS  
174TH STREET LIGHTING DETAILS

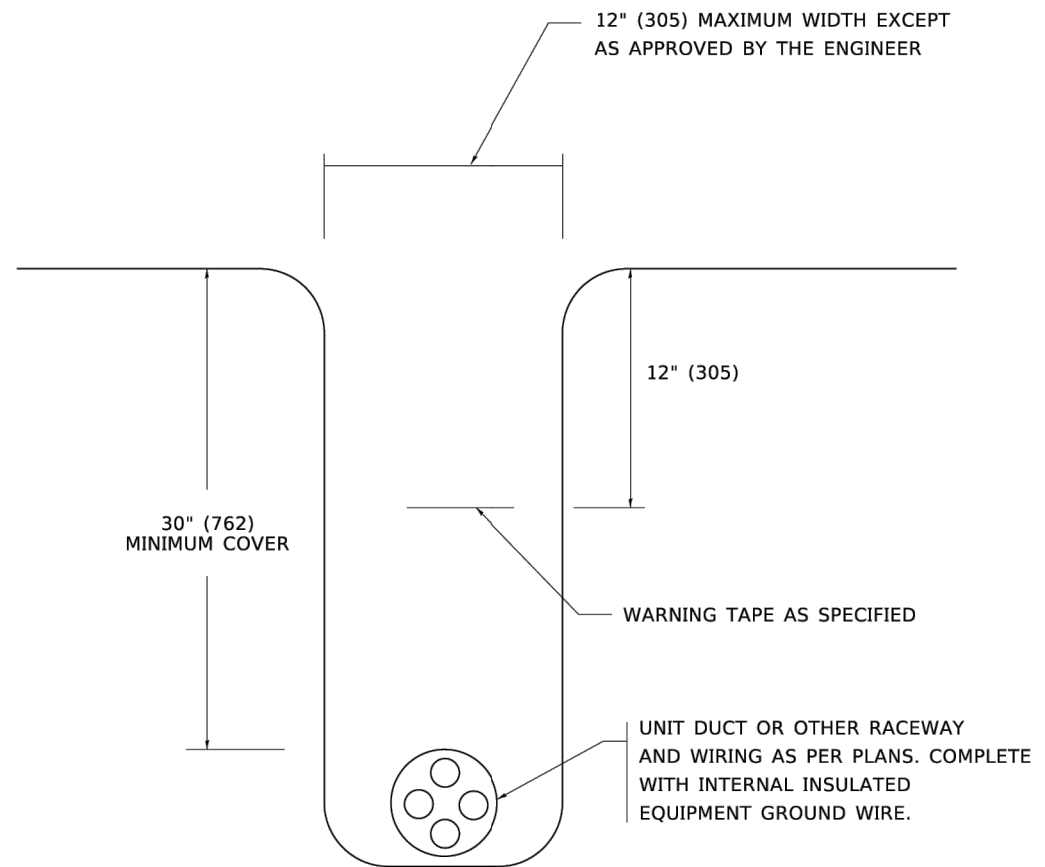
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	23
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	NM5A(507)	

SCALE: SHEET NO. 23 OF 49 SHEETS STA. TO STA.

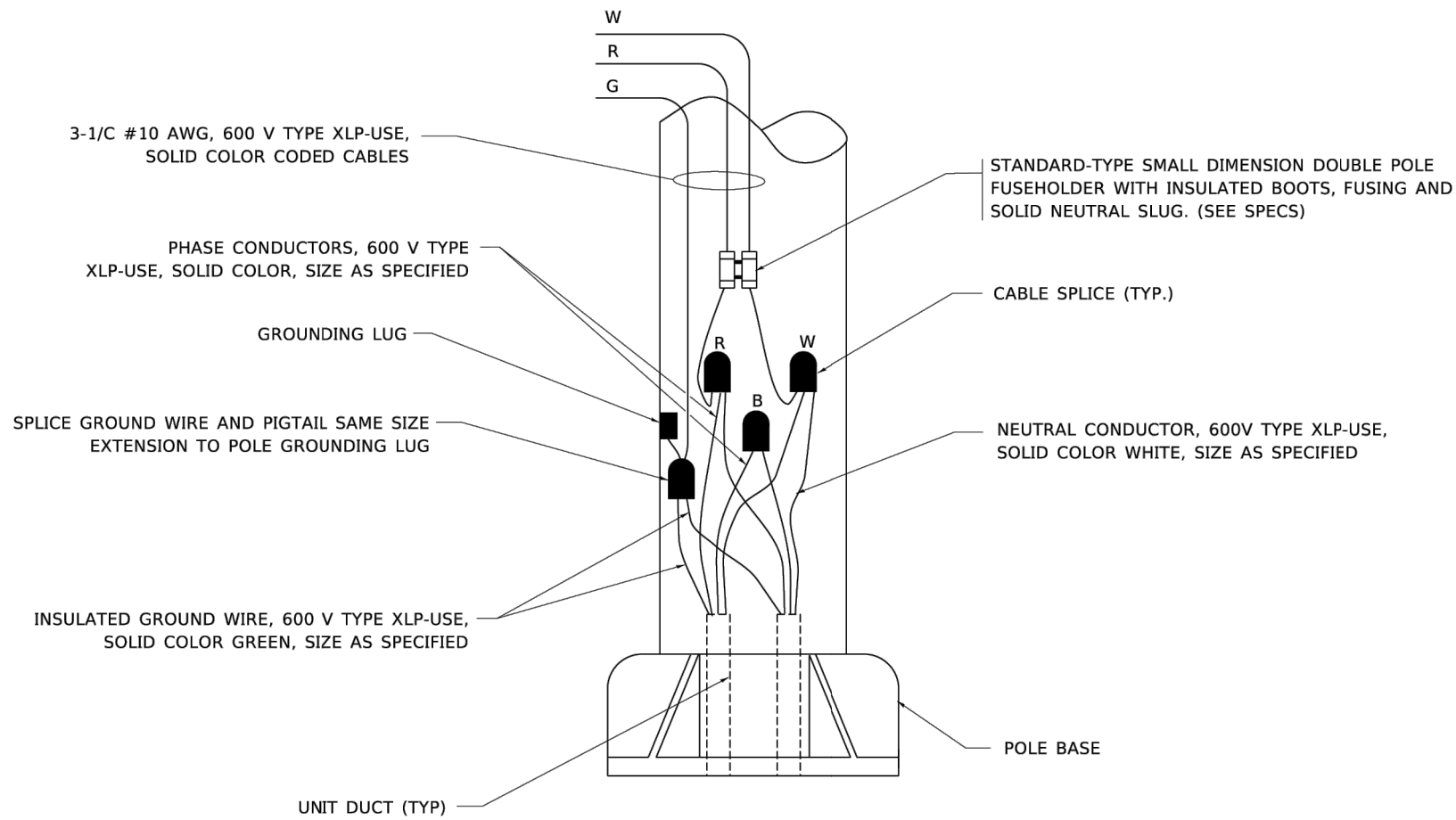


NOTE THAT NUMBER OF CABLES IN SPLICE MAY VARY

**TYPICAL SPLICE DETAIL**  
**N.T.S.**



**TYPICAL WIRING IN TRENCH DETAIL**  
**N.T.S.**



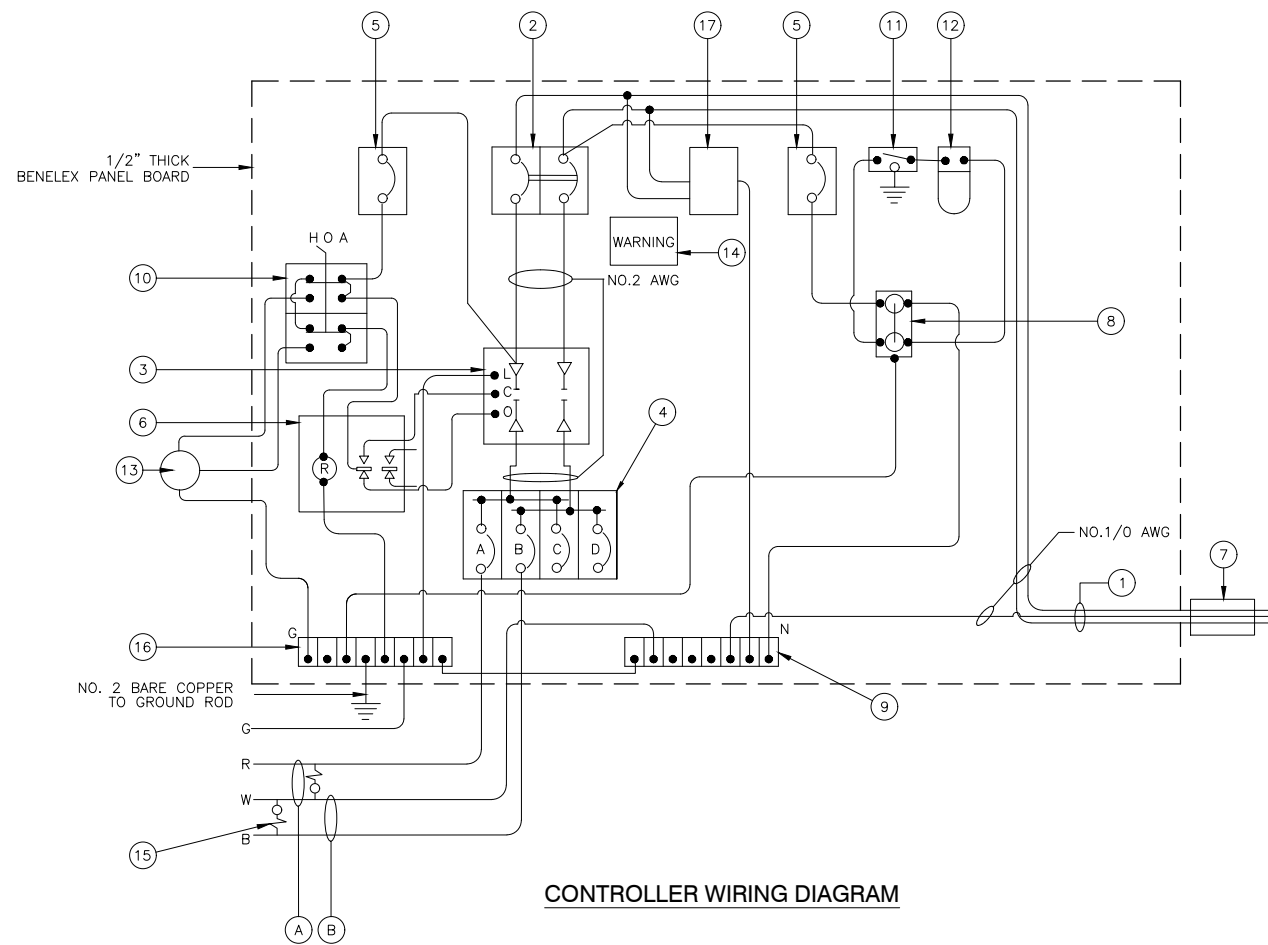
**POLE WIRING DETAIL**  
**N.T.S.**

FILE NAME = 21R0969-LGHT-DTLS-01 - IDOT P08 (3)	USER NAME = leysa	DESIGNED --	REVISED -- 02/04/2020
		CHECKED --	REVISED --
	PLOT SCALE = 50,0000' / in.	DRAWN --	REVISED --
	PLOT DATE = 3/2/2020	CHECKED -- 08/08/2003	REVISED --

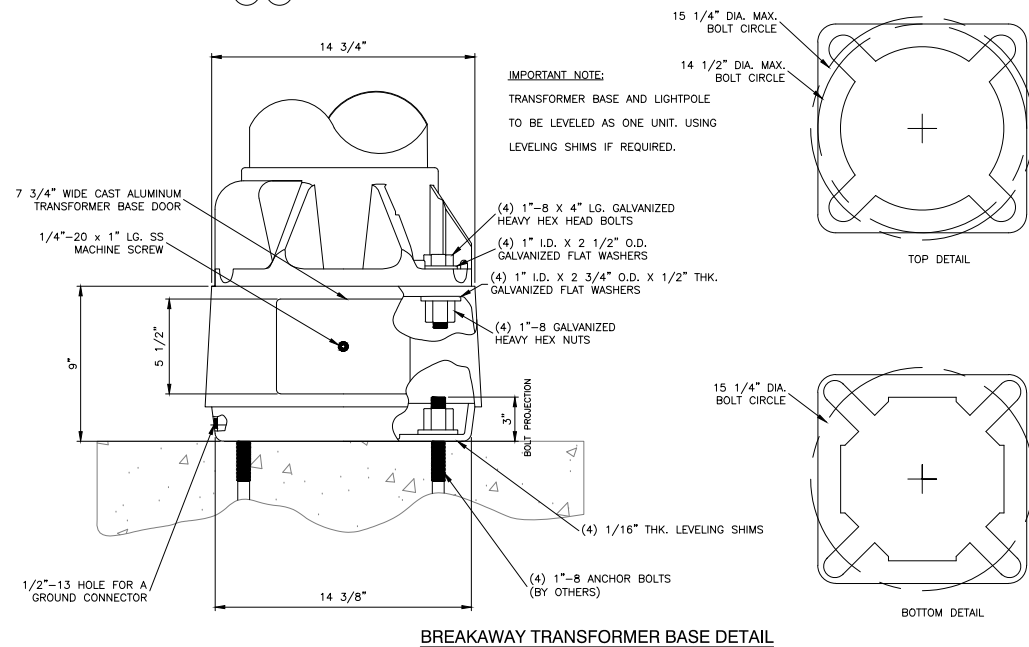
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

<b>MISC. ELECTRICAL DETAILS</b>			
<b>SHEET A</b>			
SCALE:	SHEET NO. 24 OF 49 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	24
<b>BE-702</b>		CONTRACT NO. 61L14		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	NM5A(507)	



**CONTROLLER WIRING DIAGRAM**



**CONTROLLER WIRING DIAGRAM LEGEND**

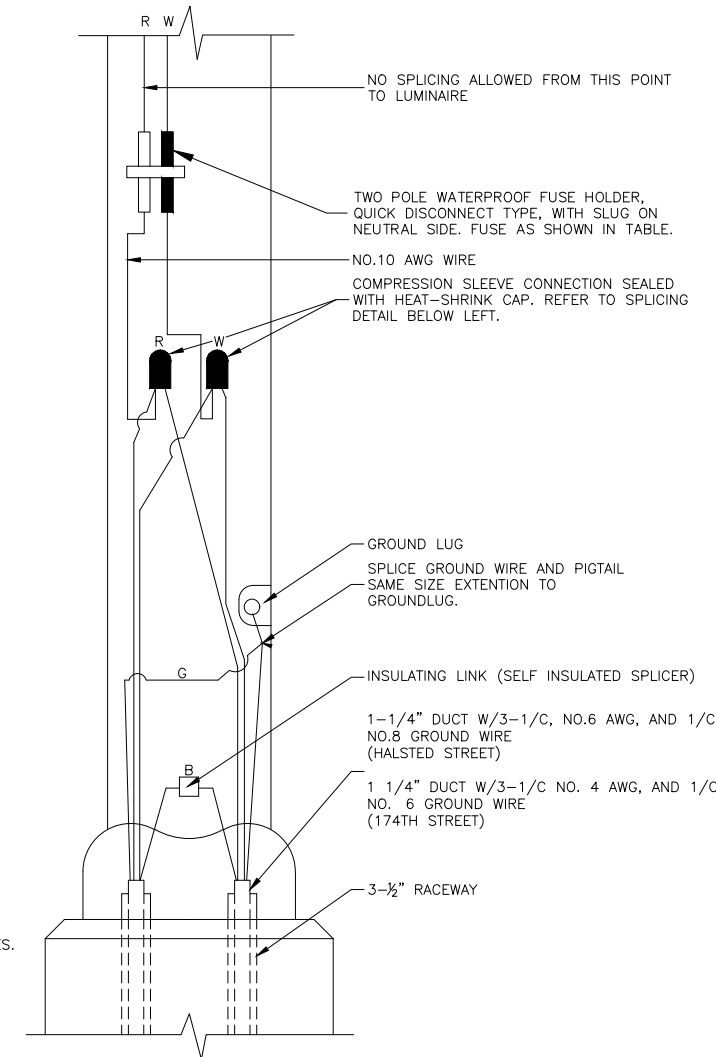
- ① 3-1/C, NO. 1/0, 600V SERVICE WIRE IN 2.5" DIA. GALVANIZED STEEL CONDUIT FOR 120/240 VOLT, 1Ø, 3 WIRE, 60HZ. SERVICE.
- ② (1) 100 AMP MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT, 100 AMP BASE, NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA - 14000 AMP AT 480 V.
- ③ (1) 100 AMP REMOTE CONTROL CONTACTOR SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, 600 VOLT
- ④ (4) 30 AMP CIRCUIT BREAKER, 1 POLE, 120 VOLT, 100 AMP BASE, NON-INTERCHANGEABLE TRIP RATING NEMA - 14000 AMP AT 240 VOLTS.
- ⑤ (2) 20 AMP CONTROL CIRCUIT-CIRCUIT BREAKER, 1 POLE, 120 VOLT, 100 AMP BASE, NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA 14000 AMP AT 240 V.
- ⑥ (1) 20 AMP, 1 POLE DOUBLE THROW, 120 VOLT RELAY
- ⑦ METER SOCKET, 1Ø, 3 WIRE, 100A
- ⑧ (1) 20 AMP, 120 VOLT DUPLEX GFCI RECEPTACLE MOUNTED IN BOX.
- ⑨ NEUTRAL BUS BAR, 1/4"x1"x12" MINIMUM LENGTH MOUNTED ON PANEL WITH LUGS.
- ⑩ 3 POSITION SELECTOR SWITCH, 120V.
- ⑪ SWITCH FOR LIGHTING FIXTURE MOUNTED IN BOX, 20 AMP.
- ⑫ WEATHER-PROOF LIGHTING FIXTURE WITH 1600 LUMEN, 120 V LED LAMP.
- ⑬ PHOTOCCELL MOUNTED TO CABINET, 120 V, 1000 VA BALLAST RATING, 1-4 FC ON 3-12 FC OFF, 30 SECOND MINIMUM DELAY.
- ⑭ WARNING PLATE TO READ: WARNING, MAINTENANCE CIRCUIT IS LIVE WHEN MAIN BREAKER IS SWITCHED OFF
- ⑮ IN-LINE FUSEHOLDER WITH FUSE AS NOTED IN FUSE TABLE
- ⑯ GROUND BUS BAR 1/4"x1"x12" MINIMUM LENGTH MOUNTED ON PANEL WITH LUGS
- ⑰ SURGE ARRESTER, UL LISTED, NEC 280 COMPLIANT, 1Ø, 3 WIRE 60 HZ. MAX. 3,405 JOULES
- (A) CIRCUIT (RED)
- (B) CIRCUIT (BLACK)
- (C) CIRCUIT (RED) - FOR FUTURE USE
- (D) CIRCUIT (BLACK) - FOR FUTURE USE

**GENERAL NOTES FOR CONTROL CABINET**

1. ENTIRE CONTROL CABINET SHALL BE GROUNDED.
2. ALL WIRING SHALL BE TAGGED WITH SELF-STICKING WIRE MARKERS.
3. GROUND BUS TO BE COLOR CODED GREEN, NEUTRAL BUS WHITE, AND BONDED TO CABINET ENCLOSURE, BY LISTED PRESSURE CONNECTORS OR LISTED CLAMPS.
4. ALL INTERNAL CONTROLLER WIRING TO BE NO.12 AWG UNLESS OTHERWISE SPECIFIED.
5. CABINET WIRING INSULATION TO BE TYPE XHHW OR APPROVED EQUAL.
6. THE CONTROLLER SHALL BE UL LISTED, NEMA 3R AND SUITABLE FOR USE AS SERVICE ENTRANCE

**LIGHTING GENERAL NOTES**

1. ALL WORK TO CONFORM TO THE MOST RECENT NATIONAL ELECTRICAL CODE AND ANY APPLICABLE LOCAL CODES.
2. CONTRACTOR TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES BEFORE TRENCHING OR AUGERING.
3. BEFORE INSTALLING STANDARDS NEAR OVERHEAD FACILITIES CALL C.E. Co. FOR APPROVAL OF LOCATION.
4. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE ESTABLISHMENT OF FINISHED GRADE. THE RESIDENT ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY COORDINATING THE FINISHED GRADE ELEVATION WITH THE TOP OF THE FOUNDATION HEIGHTS AND THE LIGHT SHALL REMAIN WITH THE CONTRACTOR.
5. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, AS APPROVED BY THE ENGINEER.
6. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR WIRE MARKERS AND SHALL TAG ALL WIRE MARKERS AND SHALL TAG ALL WIRE ACCORDINGLY.
7. EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND BONDED AT EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT.
8. CONDUITS AND UNIT DUCTS MUST BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH TREES, BUSHES, DRAINS AND OTHER UTILITIES.



**POLE HANDHOLE WIRING DIAGRAM**  
(TYPICAL FOR SINGLE LUMINAIRE INSTALLATION)  
(RED PHASE SHOWN)

FILE NAME = 21R0969-LGHT-DTLS-01 - IDOT P03

USER NAME =	DESIGNED -- MG	REVISED --
	CHECKED -- WPD	REVISED --
PLOT SCALE =	DRAWN -- MED	REVISED --
PLOT DATE = 12-05-24	CHECKED -- APG	REVISED --

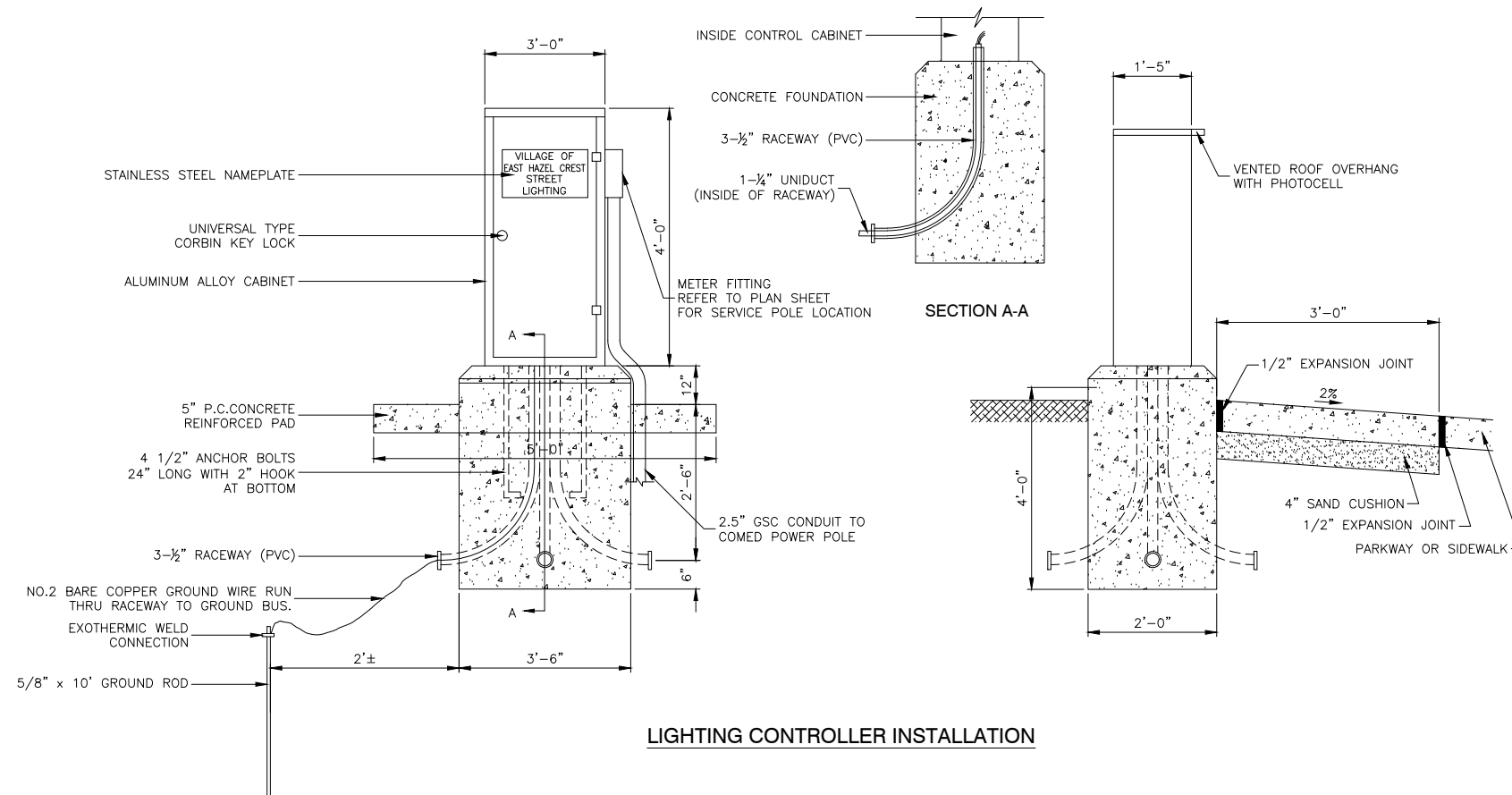
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CENTER STREET  
ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS  
174TH STREET LIGHTING DETAILS

SCALE: SHEET NO. 25 OF 49 SHEETS STA. TO STA.

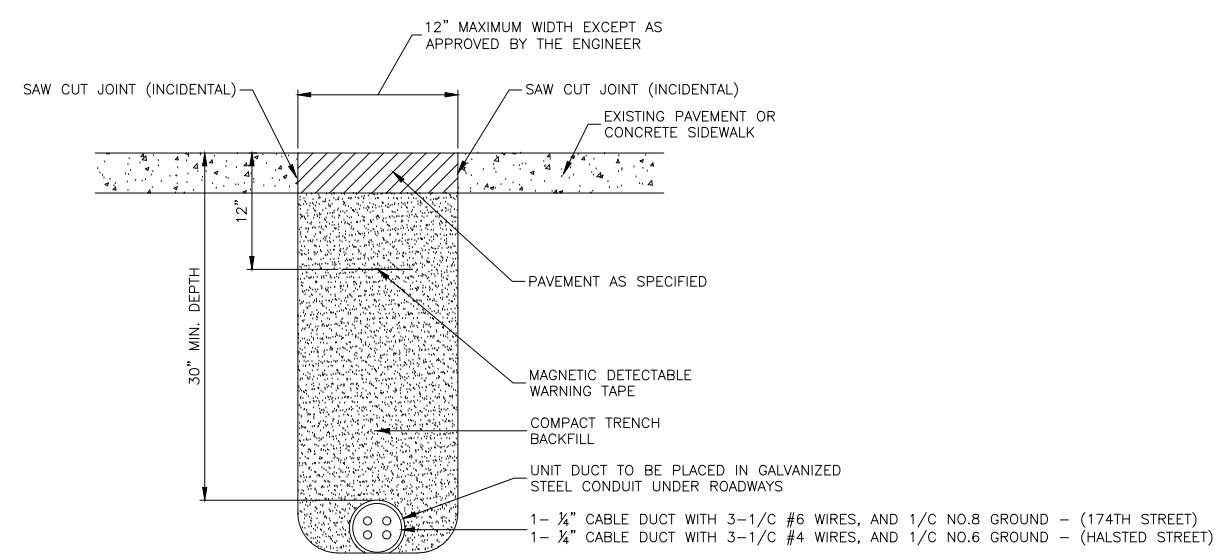
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	25
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NM5A(507)				



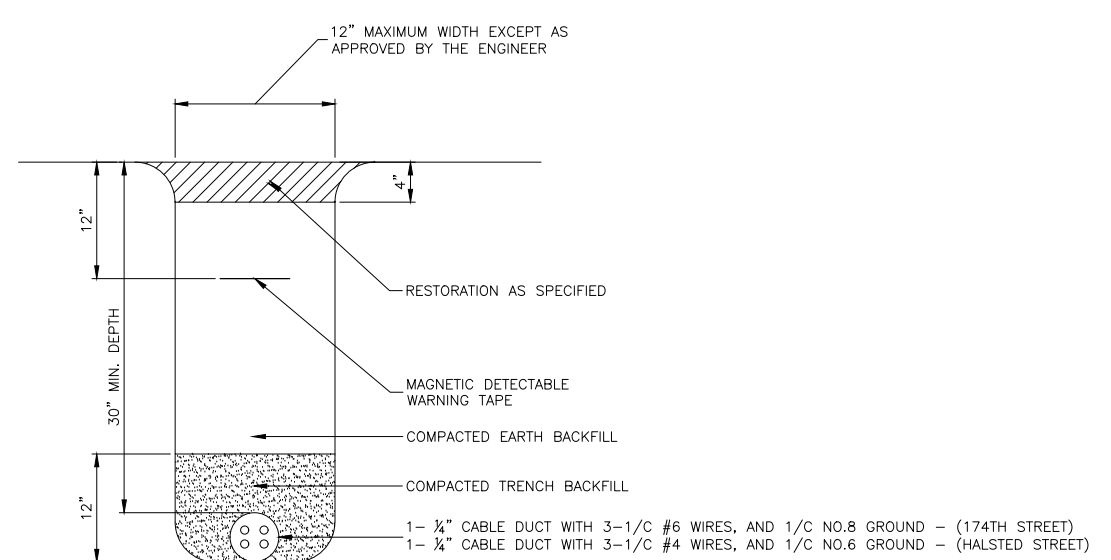


**LIGHTING CONTROLLER INSTALLATION**

- NOTE:
1. ORIENT CABINET SO DOOR OPENS AWAY FROM TRAFFIC.
  2. METER FITTING TO BE LOCATED ON THE SIDE OF THE CABINET CLOSEST TO SERVICE POLE.



**TRENCH DETAIL - PAVED AREAS**



**TRENCH DETAIL - UNPAVED AREAS**

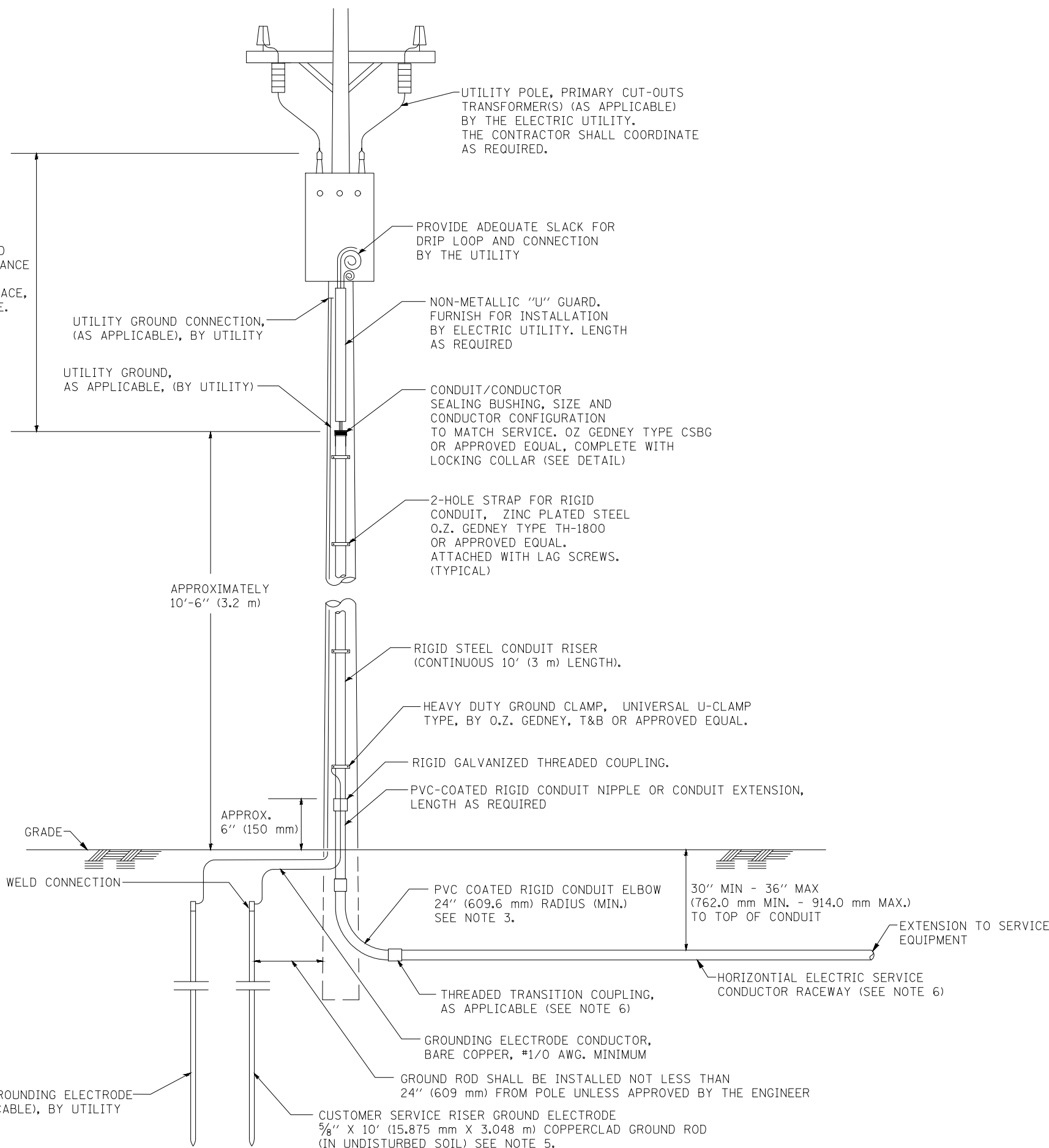
FILE NAME = 21R0969-LGHT-DTLS-01 - IDOT P04	USER NAME =	DESIGNED -- MG	REVISED --
		CHECKED -- WPD	REVISED --
	PLOT SCALE =	DRAWN -- MED	REVISED --
	PLOT DATE = 12-05-24	CHECKED -- APG	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CENTER STREET ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS 174TH STREET LIGHTING DETAILS	
SCALE:	SHEET NO. 26 OF 49 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	26
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NM5A(507)				

ASCERTAIN AND ASSURE CLEARANCE FROM UTILITY SECONDARY SPACE, AS APPLICABLE.

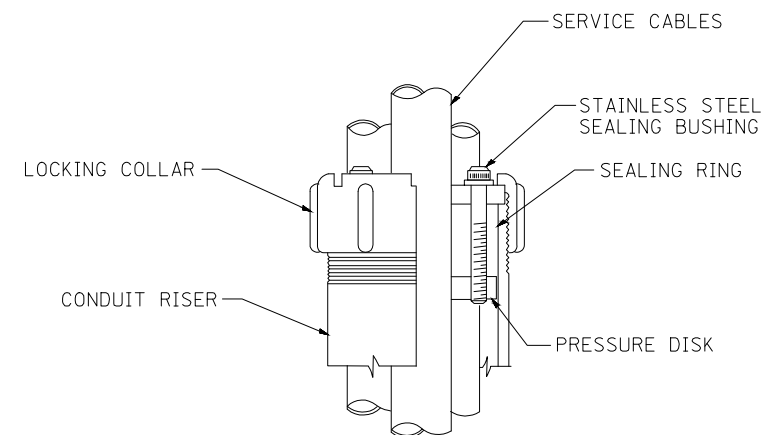


APPLICATION

THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPERATLY-MOUNTED SERVICE EQUIPMENT.

NOTES

- SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
- UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
- CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
- PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
- THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALIC TO NON METALIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
- PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.



SEALING BUSHING DETAIL

FILE NAME = 21R098-LGHT-DTLS-01 - IDOT P05	USER NAME = geglianobt	DESIGNED --	REVISED -- 03-03-06
		CHECKED --	REVISED --
PLOT SCALE = 50.0000' / IN.	DRAWN -- MEA	REVISED --	
PLOT DATE = 1/4/2008	CHECKED --	REVISED --	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

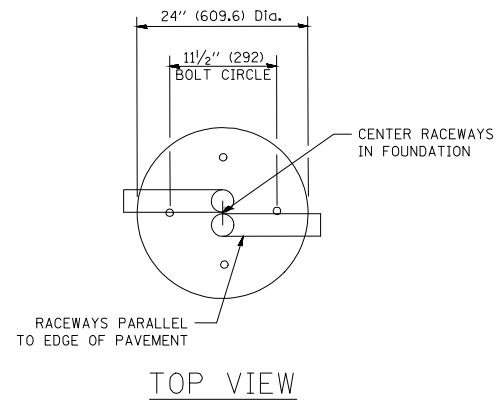
**ELECTRIC SERVICE INSTALLATION**  
**AERIAL, REMOTE DISCONNECT**

SCALE: SHEET NO. 27 OF 49 SHEETS STA. TO STA.

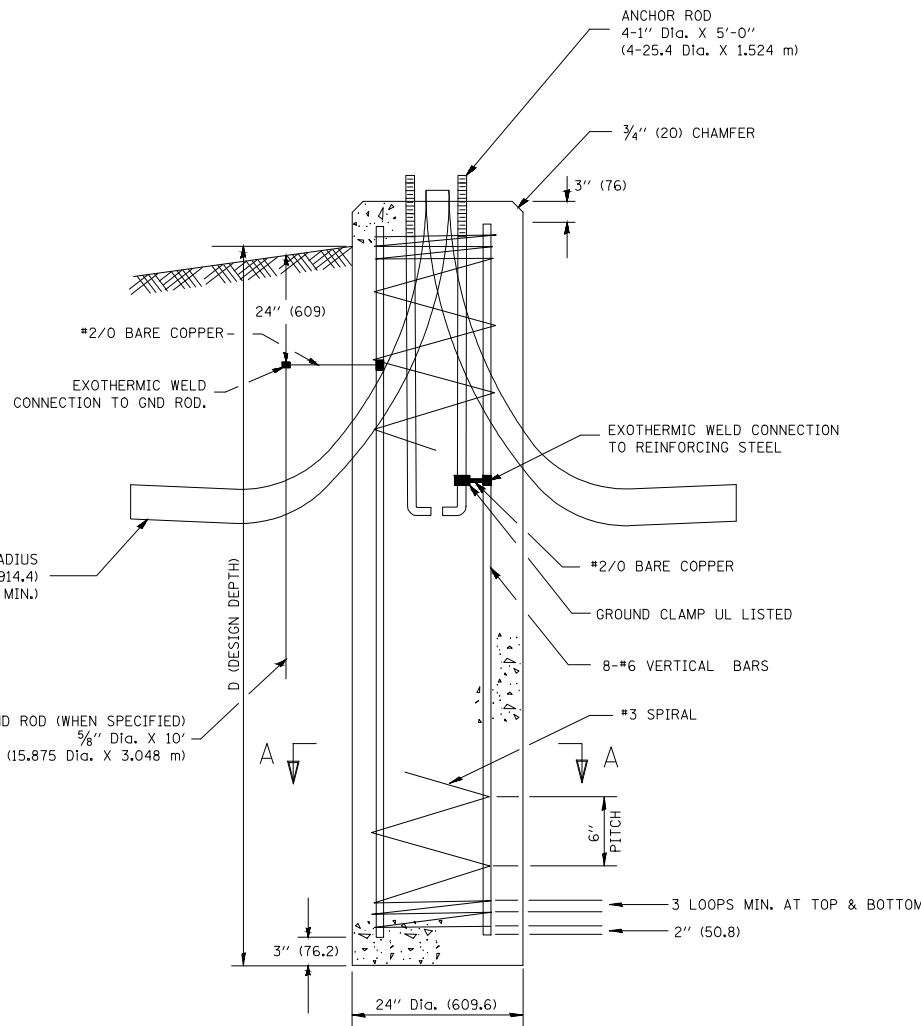
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	27
<b>BE-220</b>		CONTRACT NO. 61L14		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT NM5A(507)		

30 FT. (9.144 m) TO 35 FT. (10.668 m) MOUNTING HEIGHT  
 LIGHT POLE FOUNDATION DEPTH TABLE

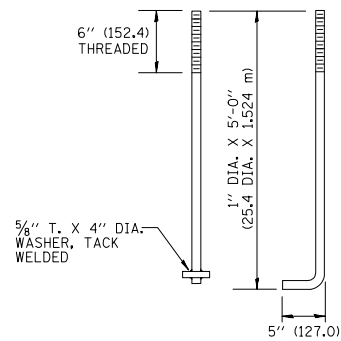
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY Qu = 1.50 TON/SO. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND φ = 34°	9'-6" (2.90 m)	10'-7" (3.22 m)
MEDIUM SAND φ = 37.5°	9'-0" (2.74 m)	9'-10" (2.99 m)
DENSE SAND φ = 40°	8'-3" (2.51 m)	9'-7" (2.91 m)



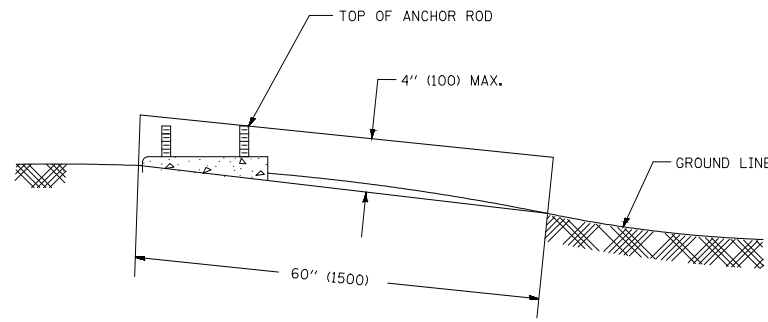
TOP VIEW



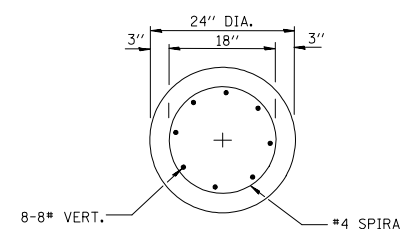
FOUNDATION DETAIL



ANCHOR BOLT DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

FILE NAME = 21R0969-LGHT-DTLS-01 - IDOT P06

USER NAME = geglionobt

DESIGNED --

REVISED --

CHECKED --

REVISED --

PLOT SCALE = 50.0000 ' / IN.

DRAWN --

REVISED --

PLOT DATE = 1/4/2008

CHECKED --

REVISED --

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION

30' (9.144 m) TO 35' (10.668 m) M.H. 11 1/2" (292 mm) BOLT CIRCLE

SCALE: SHEET NO. 28 OF 49 SHEETS STA. TO STA.

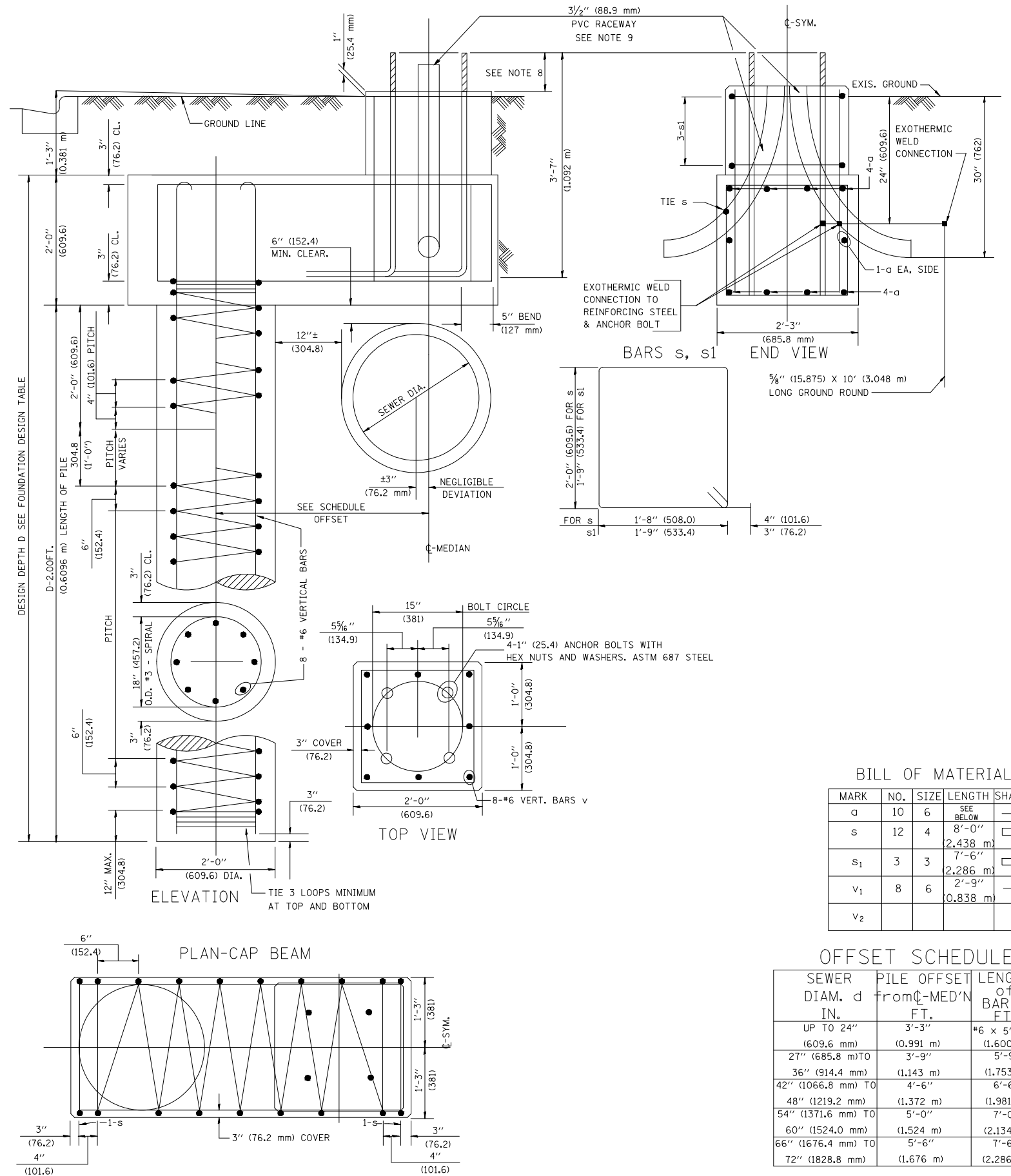
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00028-00-RS	COOK	49	28
BE-300		CONTRACT NO. 61L14		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT NM5A(507)		

FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0" (3.962 m)	15'-0" (4.572 m)	8-#6X12'-6" (3.810 m)	#3X122' (37.186 m)	8-#6X14'-3" (4.343 m)	#3X141' (42.977 m)
MEDIUM CLAY	9'-6" (2.896 m)	10'-9" (3.277 m)	8-#6X9'-0" (2.743 m)	#3X90' (27.432 m)	8-#6X10'-0" (3.048 m)	#3X100' (30.480 m)
STIFF CLAY	7'-0" (2.134 m)	8'-0" (2.438 m)	8-#6X6'-6" (1.981 m)	#3X66' (20.112 m)	8-#6X7'-6" (2.286 m)	#3X76' (23.165 m)
LOOSE SAND	9'-0" (2.743 m)	10'-0" (3.048 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)	8-#6X9'-6" (2.896 m)	#3X94' (28.651 m)
MEDIUM SAND	8'-3" (2.515 m)	9'-0" (2.743 m)	8-#6X8'-0" (2.438 m)	#3X78' (23.774 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
DENSE SAND	7'-9" (2.362 m)	9'-0" (2.743 m)	8-#6X7'-6" (2.286 m)	#3X73' (22.250 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
ROCK OR SOLIDIFIED SLAG	5'-0" (1.524 m)	5'-0" (1.524 m)	NONE	NONE	NONE	NONE

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
- EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
- RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERECTED.



BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" (2.438 m)	□
s <sub>1</sub>	3	3	7'-6" (2.286 m)	□
v <sub>1</sub>	8	6	2'-9" (0.838 m)	—
v <sub>2</sub>				

OFFSET SCHEDULE

SEWER DIAM. d	PILE OFFSET FROM C-MED'N IN. FT.	LENGTH OF BAR a FT.
UP TO 24" (609.6 mm)	3'-3" (0.991 m)	#6 x 5'-3" (1.600 m)
27" (685.8 mm) TO 36" (914.4 mm)	3'-9" (1.143 m)	5'-9" (1.753 m)
42" (1066.8 mm) TO 48" (1219.2 mm)	4'-6" (1.372 m)	6'-6" (1.981 m)
54" (1371.6 mm) TO 60" (1524.0 mm)	5'-0" (1.524 m)	7'-0" (2.134 m)
66" (1676.4 mm) TO 72" (1828.8 mm)	5'-6" (1.676 m)	7'-6" (2.286 m)

FILE NAME = 21R0969-LGHT-DTLS-01 - IDOT P08	USER NAME = bauerdl	DESIGNED —	REVISED —06-16-08 R. TOMSONS
		CHECKED —	REVISED —
PLOT SCALE = 50.000' / IN.	DRAWN —	REVISED —	
PLOT DATE = 6/16/2008	CHECKED —	REVISED —	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION OFFSET  
48" (1219.2 mm) TO 47 1/2" (1194.5 mm) M.L.H.  
15" (381 mm) BOLT CIRCLE

SCALE: SHEET NO. 29 OF 49 SHEETS STA. TO STA.

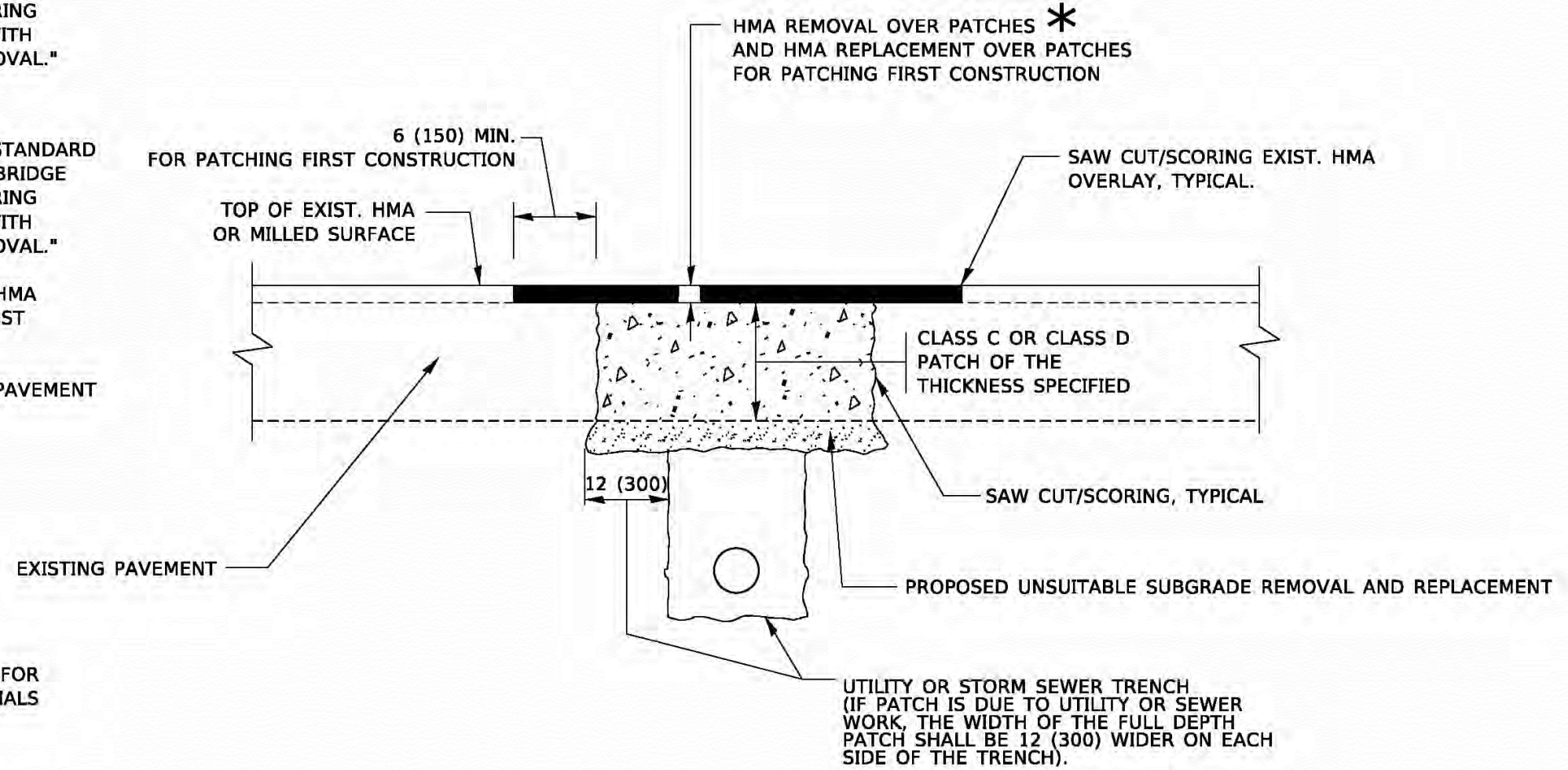
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	29
BE-310		CONTRACT NO. 61L14		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	NM5A(507)	

**METHOD OF MEASUREMENT**

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

**BASIS OF PAYMENT**

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**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.

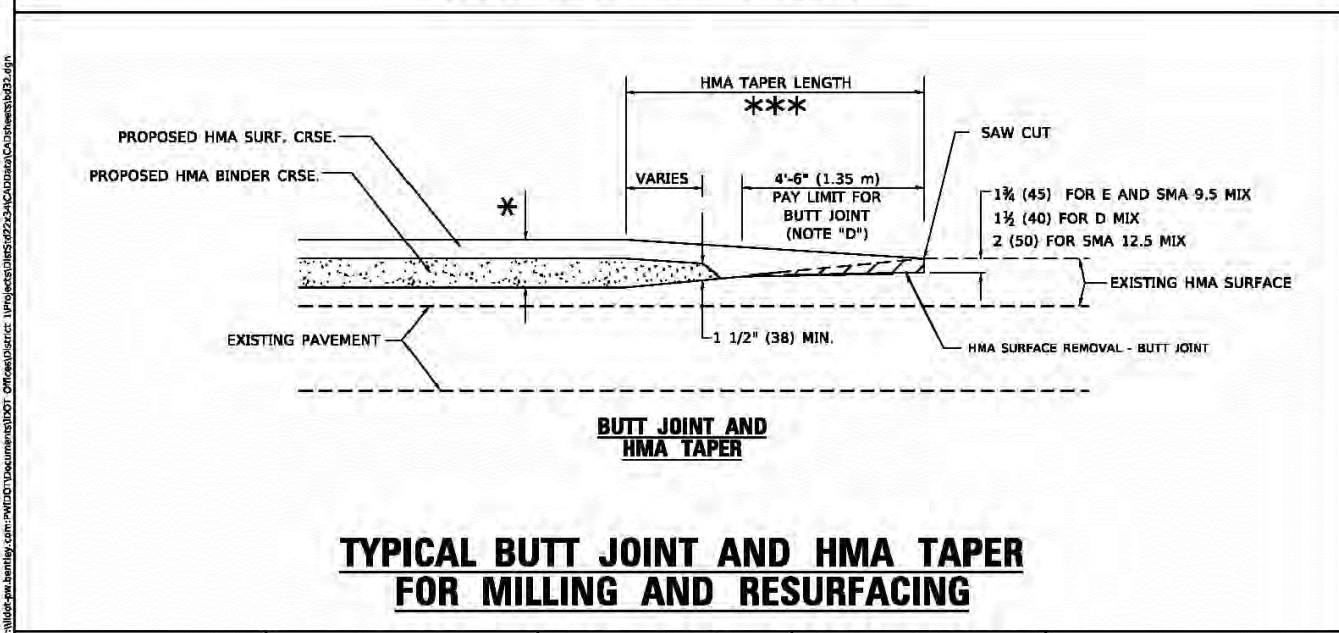
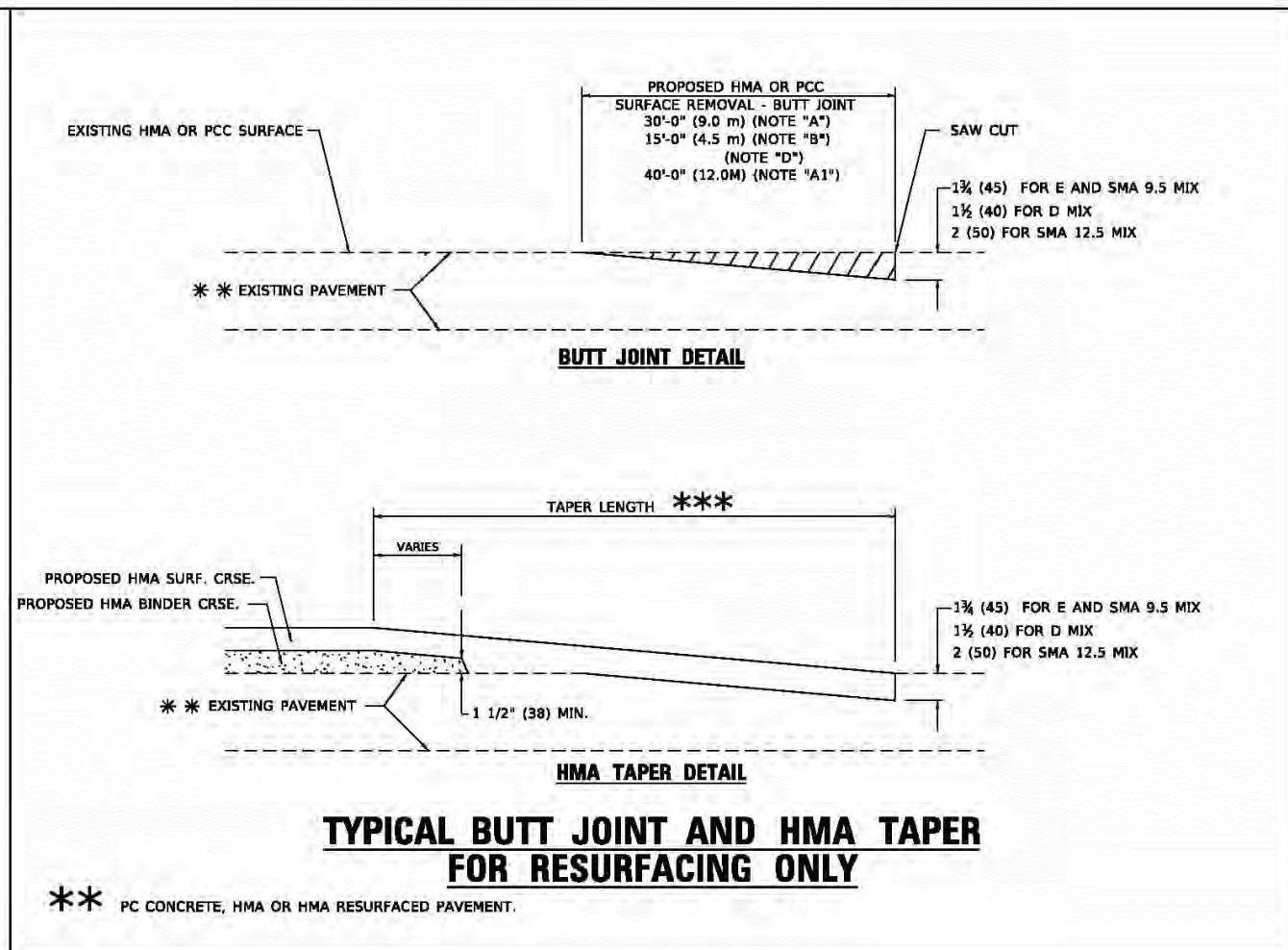
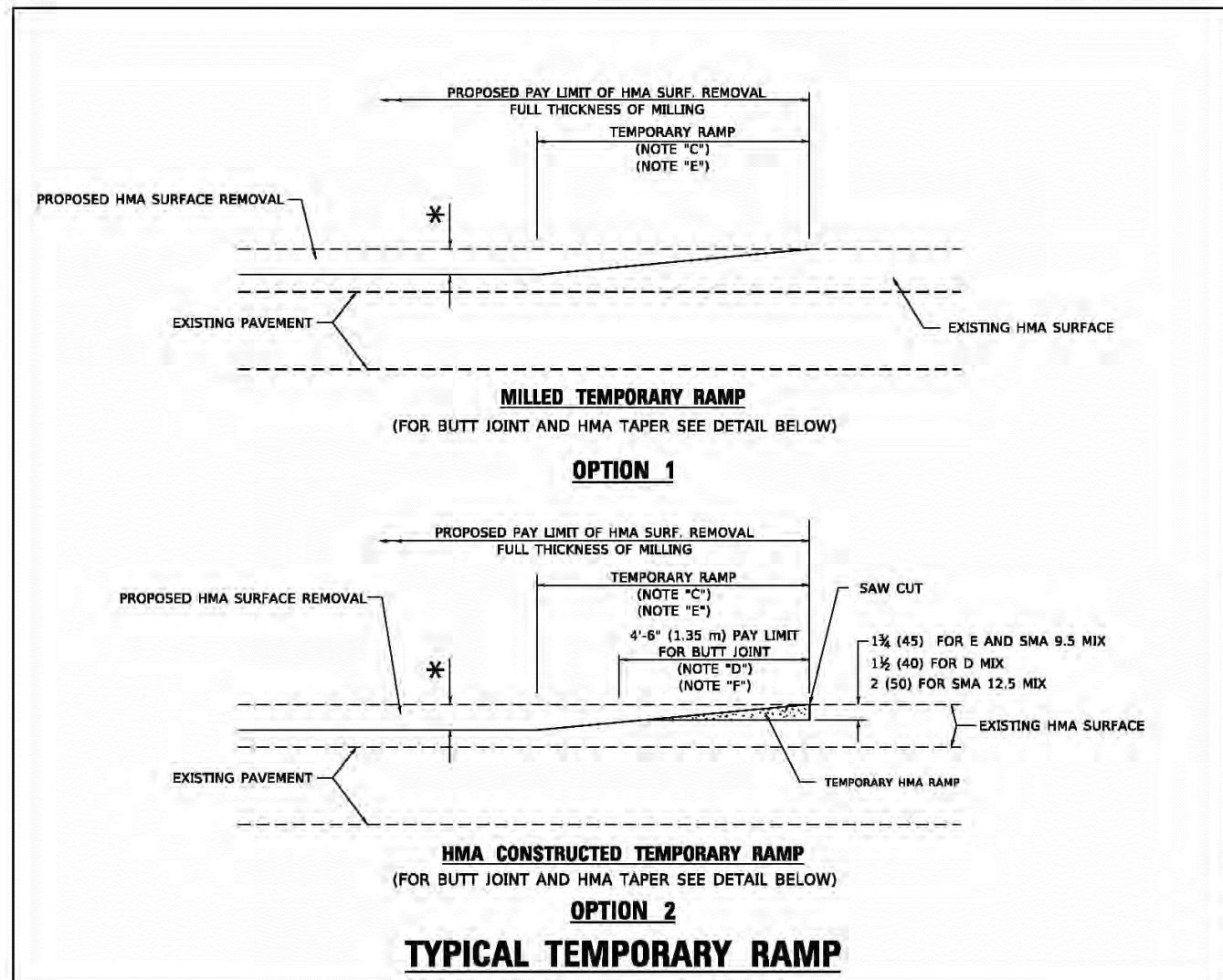
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: PAVE.PLT  
 FILE NAME: D:\pave\pave.plt  
 USER: LAWRENCE\_DEMACHE

USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 09-04-07		SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.	<b>BD400-04 (BD-22)</b>	CONTRACT NO.		
PLOT DATE = 11/18/2022	DATE - 10-25-94	REVISED - K. ENG 10-27-08		ILLINOIS FED. AID PROJECT							
		REVISED - K. SMITH 11-18-22									

FILE NAME = 21R0969-DTLS-01 - BD-22	USER NAME =	DESIGNED -- MG	REVISED --	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CENTER STREET ROADWAY RESURFACING AND PEDESTRIAN ACCOMMODATIONS DISTRICT 1 DETAILS</b>		F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		CHECKED -- WPD	REVISED --		SCALE: 1"=5'	SHEET NO. 30 OF 49 SHEETS	STA.	TO STA.	1049	22-00026-00-RS	COOK	49	30
		DRAWN -- RG	REVISED --		CONTRACT NO. 61L14								
		CHECKED -- AG	REVISED --		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NM5A(507)								





**GENERAL NOTES**

- MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- INTERSTATES
- MINOR SIDE ROADS.
- THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- TAPER THE TEMP. RAMP AT A RATE OF 3' - 4' (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
  - \* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- 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")

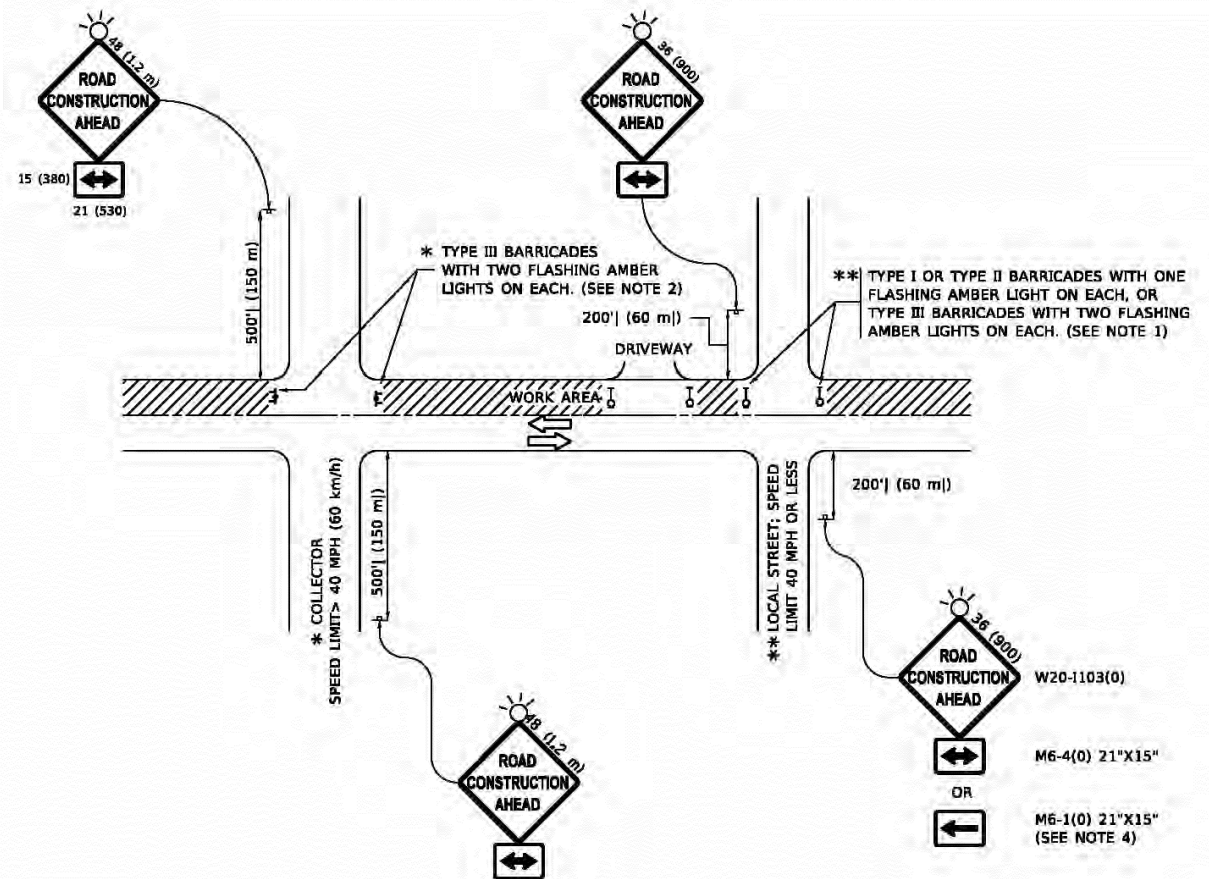
**BASIS OF PAYMENT**

- 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".
- THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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

USER NAME = Lawrence, DeManche	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>BUTT JOINT AND HMA TAPER DETAILS</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 300.0000 1/4 in.	DRAWN -	REVISED - M. GOMEZ 04-06-01				BD400-05	BD-32	CONTRACT NO.		
PLOT DATE = 11/18/2022	CHECKED -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT
	DATE - 06-13-90	REVISED - K. SMITH 11-18-22								





**NOTES:**

- 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:
  - 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.
  - 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.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - 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.
  - 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.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- 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.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- 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.

I:\Projects\2024\21R0969-DTLS-01-TC-10\Drawings\Traffic\TrafficControl\TrafficControl.dwg  
 User: Lawrence.Dominche  
 Date: 3/2/2024

USER NAME = Lawrence.Dominche	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00
	DRAWN -	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 100.0000 : 1 in.	CHECKED -	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/2/2024	DATE - 06-89	REVISED - D. SENDERAK 05-03-24

**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.
			TC-10		CONTRACT NO.		
			ILLINOIS FED. AID PROJECT				

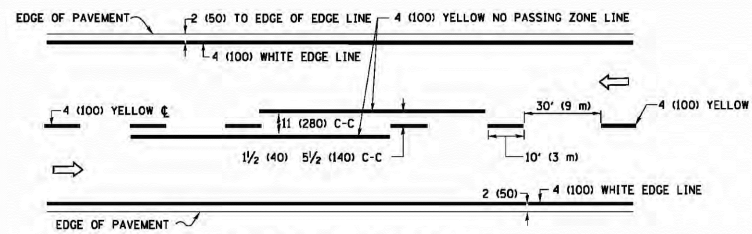
FILE NAME = 21R0969-DTLS-01-TC-10

USER NAME =	DESIGNED -- MG	REVISED --
	CHECKED -- WPD	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --

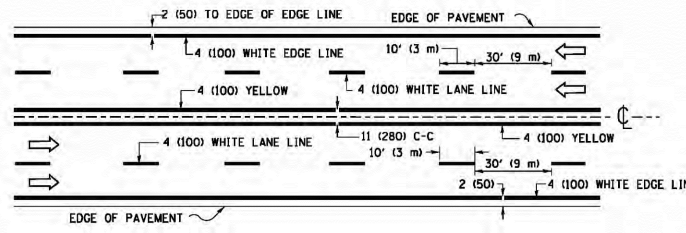
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=5'	SHEET NO. 32 OF 49 SHEETS	STA. TO STA.	F.A. U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			CENTER STREET ROADWAY RESURFACING AND PEDESTRIAN ACCOMMODATIONS DISTRICT 1 DETAILS		CONTRACT NO. 61L14		
			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NM5A(507)				

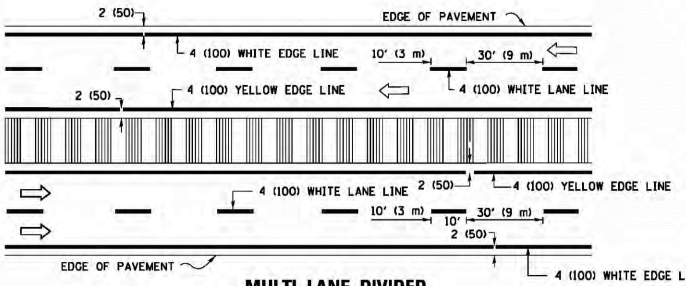




**2-LANE ROADWAY**

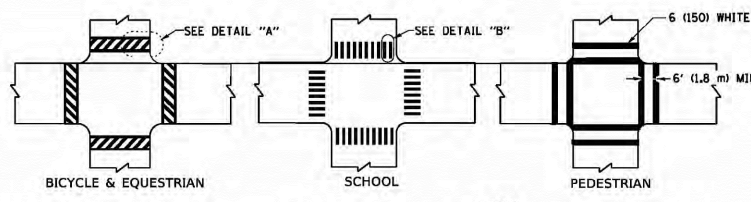


**MULTI-LANE UNDIVIDED**



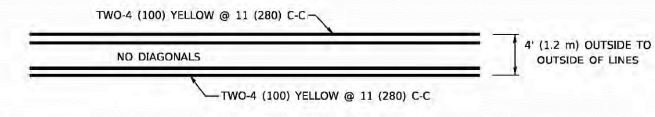
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

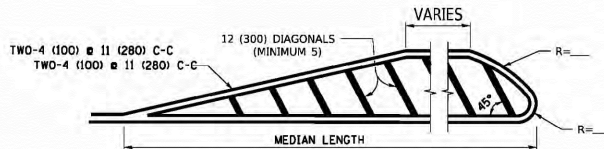


**TYPICAL CROSSWALK MARKING**

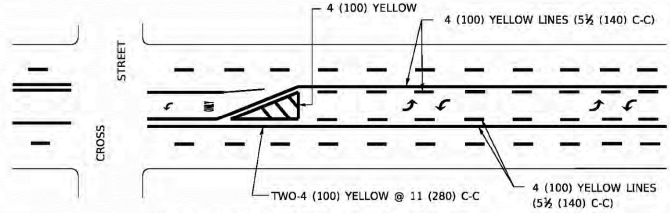
\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



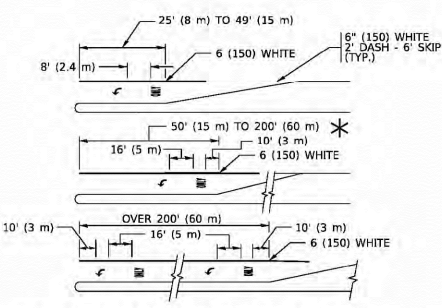
**4' (1.2 m) WIDE MEDIANS ONLY**



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



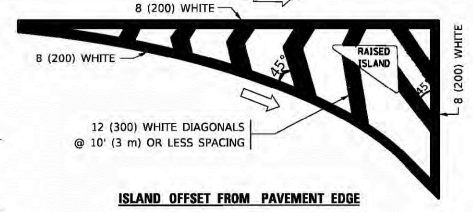
**MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING**



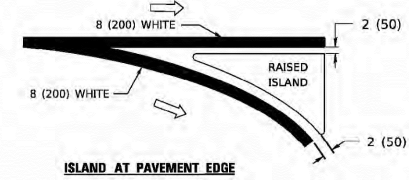
**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
 AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
 \* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

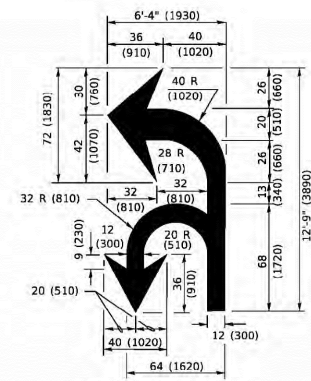


**ISLAND OFFSET FROM PAVEMENT EDGE**

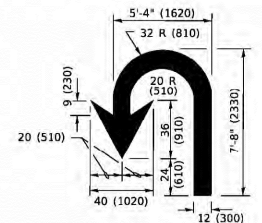


**ISLAND AT PAVEMENT EDGE**

**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	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30 MPH (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" 15' (4.5 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 5F
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 5F

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.

MODEL Default: \\lincs.gov\p\DOT\Documents\DOT - Offices\District 1\Projects\Dist522-24\CD\Drawn\CD\Sheet13.dgn

USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = 50,0000" / in.	CHECKED - WPD	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE TYPICAL PAVEMENT MARKINGS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-13			
SCALE: NONE		SHEET 1 OF 2 SHEETS		STA. TO STA.
ILLINOIS		FED. AID PROJECT		

FILE NAME = 21R0969-DTLS-01 - TC-13

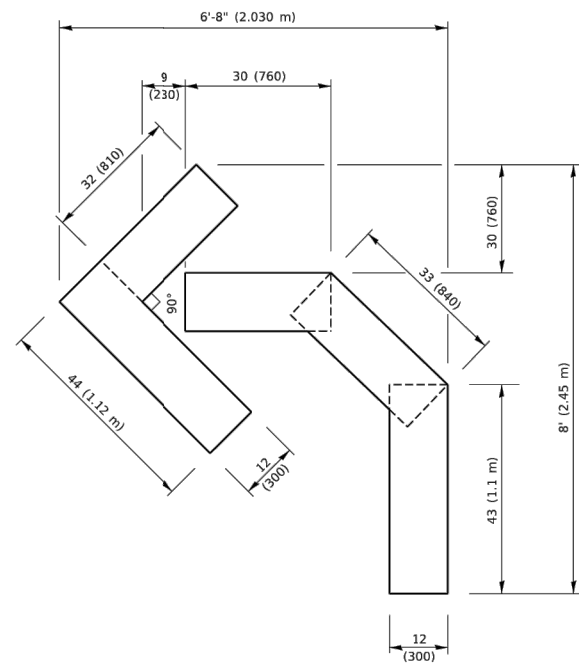
USER NAME =	DESIGNED - MG	REVISED -
PLOT SCALE =	CHECKED - WPD	REVISED -
PLOT DATE = 12-05-24	DRAWN - RG	REVISED -
	CHECKED - AG	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

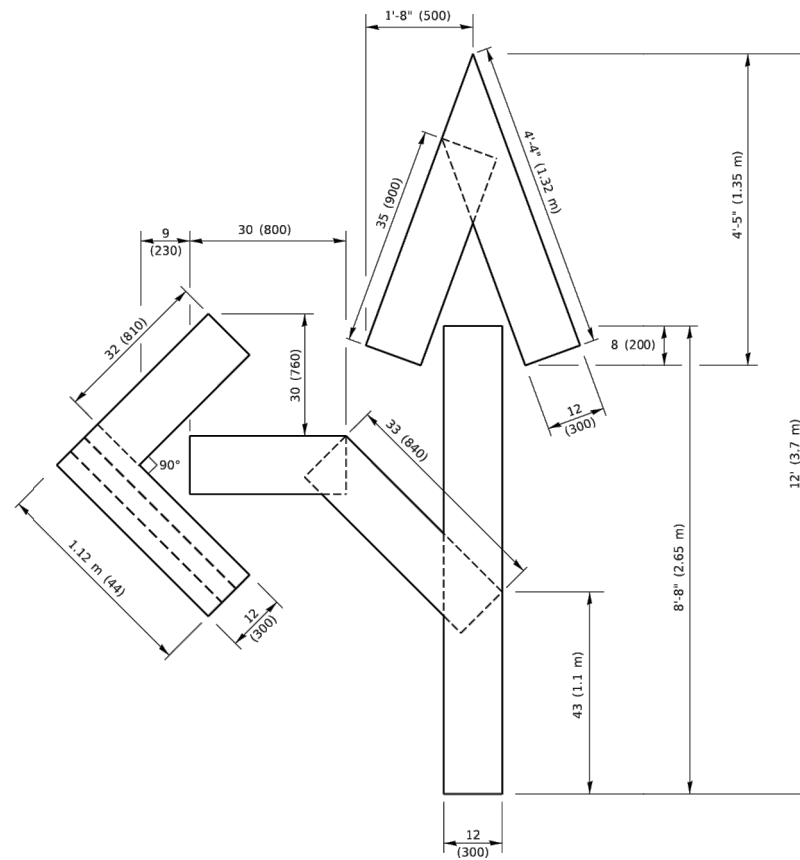
**CENTER STREET ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS DISTRICT 1 DETAILS**

SCALE: 1"=5' SHEET NO. 33 OF 49 SHEETS STA. TO STA.

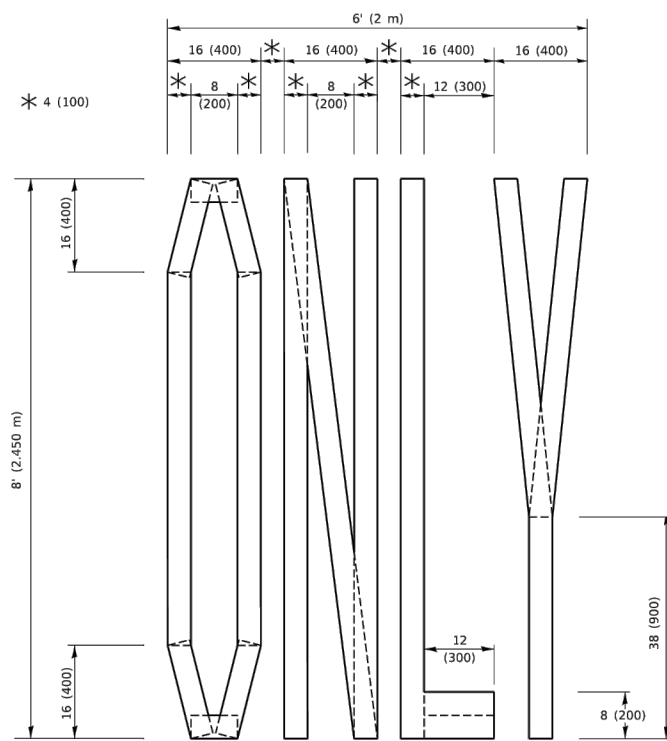
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	33
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT NM5A(507)		



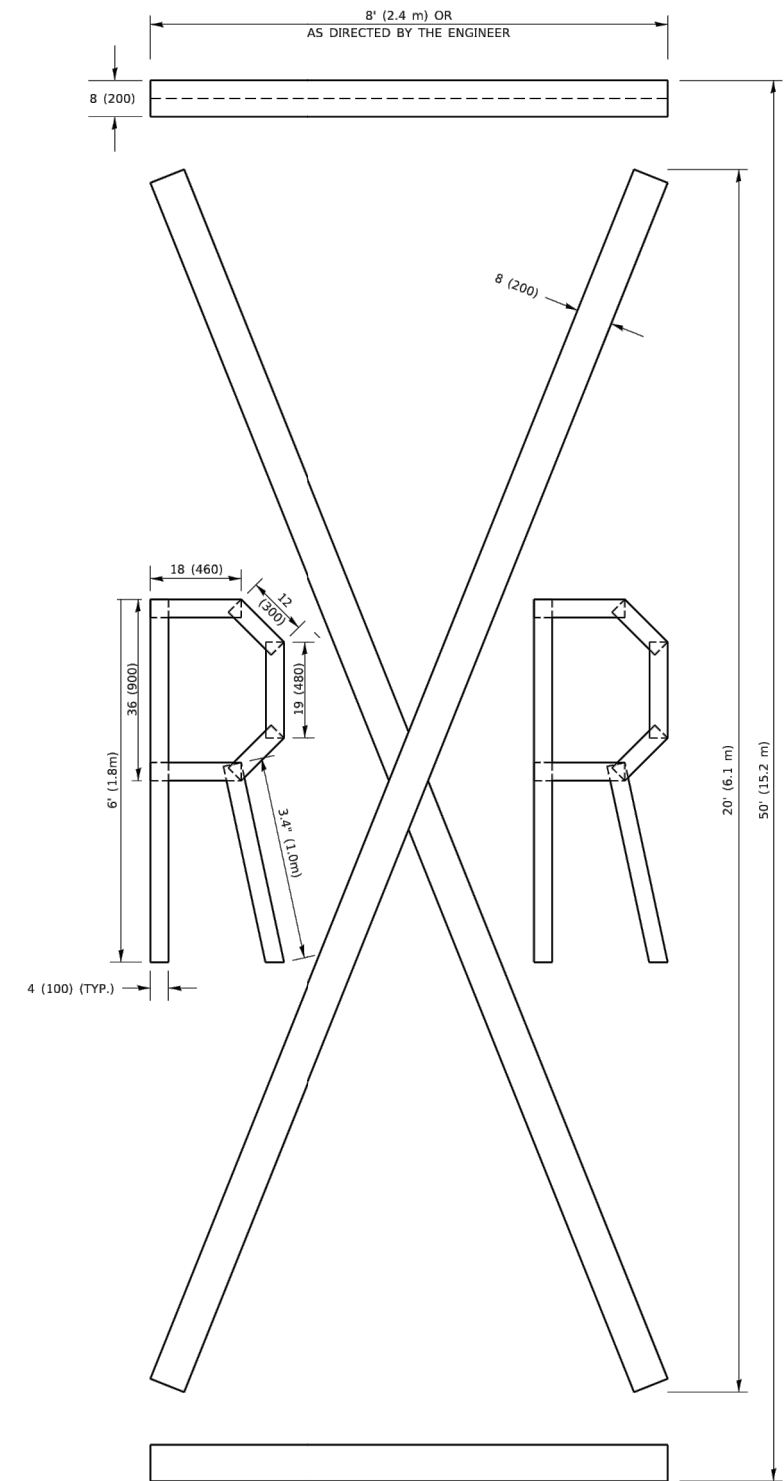
**QUANTITY**  
 4 (100) LINE = 45.5 ft. (13.9 m)  
 15.2 sq. ft. (1.41 sq. m)



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



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



**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.

**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.

MODEL: Default  
 FILE NAME: p:\w\1108\BIBID\NITE6\_illinois.gov\FW\DOT\Documents\DOT\_Offices\District\_1\Projects\DSHS\0223\3AC\ADD\A\CA\B\sheet1c.16.dgn

USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
PLOT SCALE = 50.0068" / in.	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 3/4/2019	CHECKED -	REVISED - E. GOMEZ 08-28-00
	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>TC-16</b>		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

FILE NAME = 21R0969-DTLS-01 - TC-16

USER NAME =	DESIGNED -- MG	REVISED --
	CHECKED -- WPD	REVISED --
PLOT SCALE =	DRAWN -- MED	REVISED --
PLOT DATE = 12-05-24	CHECKED -- APG	REVISED --

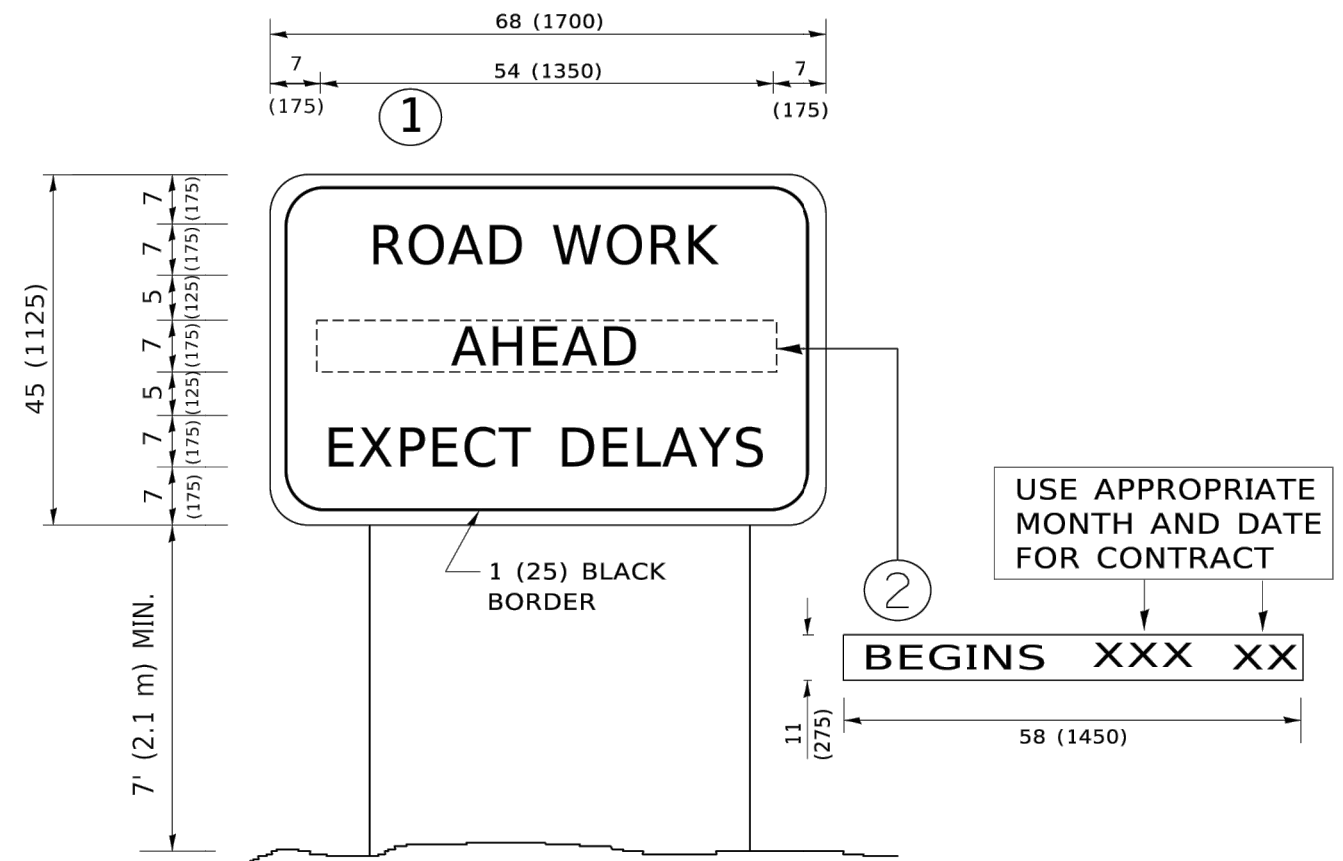
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CENTER STREET  
 ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS  
 DISTRICT 1 DETAILS**

SCALE: SHEET NO. 34 OF 49 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	34
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NM5A(507)				

MODEL: P:\FUTURE  
FILE NAME: P:\MIDWEST\DOT\Documents\DOT Office\District 1\Projects\0545522-34\CAD\Drawings\CAD\Sheet22.dgn



**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.

USER NAME = foatery	DESIGNED -	REVISED - R. MIRS 09-15-97
	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

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TC-22		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

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

FILE NAME = 21R0969-DTLS-01 - TC-22

USER NAME =	DESIGNED -- MG	REVISED --
	CHECKED -- WPD	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CENTER STREET  
ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS  
DISTRICT 1 DETAILS**

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	35
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NM5A(507)				

SCALE: 1"=5' SHEET NO. 35 OF 49 SHEETS STA. TO STA.

# TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE			SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE			SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTIBLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED			RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM			FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F 5M12F -NO. 62.5/125, MM12F 5M24F		
WOOD POLE			INTERSECTION ITEM			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM					
SIGNAL HEAD			RELOCATE ITEM					
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM					
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED					
FLASHER INSTALLATION -(FS) SOLAR POWERED			MAST ARM POLE AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

MODEL: P:\draft\PROJECTS\1049-DTL14\1049-DTL14-01-TS-05.dgn  
 FILE NAME: P:\1049-DTL14\1049-DTL14-01-TS-05.dgn

USER NAME = footernj	DESIGNED - IP	REVISED -
DRAWN - IP	CHECKED - LP	REVISED -
PLOT SCALE = 50.0000" / in.	DATE - 9/29/2016	REVISED -
PLOT DATE = 3/4/2019		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 1 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-05			
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

FILE NAME = 21R0969-DTL14-01-TS-05

USER NAME =	DESIGNED - MG	REVISED -
	CHECKED - WPD	REVISED -
PLOT SCALE =	DRAWN - RG	REVISED -
PLOT DATE = 12-05-24	CHECKED - AG	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CENTER STREET  
ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS  
DISTRICT 1 DETAILS**

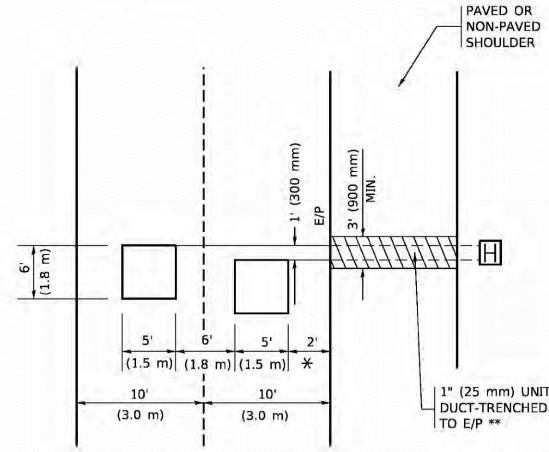
SCALE: 1"=5' SHEET NO. 36 OF 49 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	36
CONTRACT NO. 61L14			ILLINOIS FED. AID PROJECT NM5A(507)	



**LOOPS NEXT TO SHOULDERS**

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



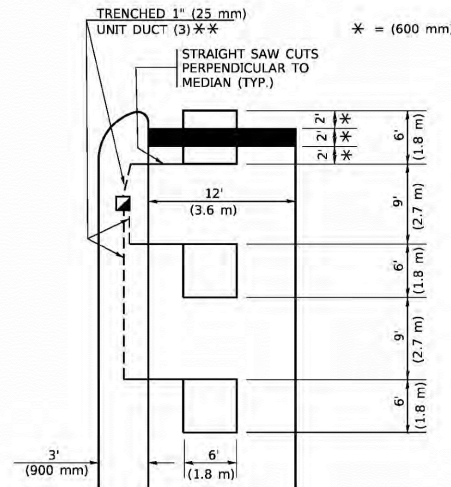
\* = (600 mm)

\*\* 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.



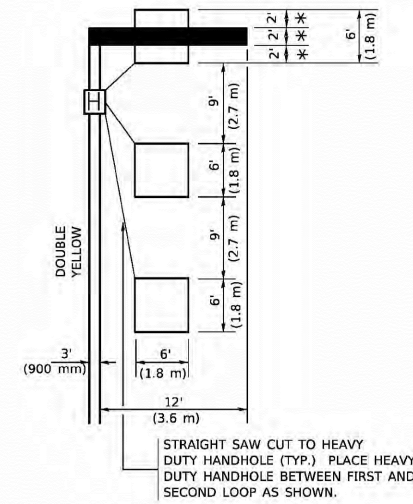
\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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

**LEFT TURN LANES WITHOUT MEDIANS**

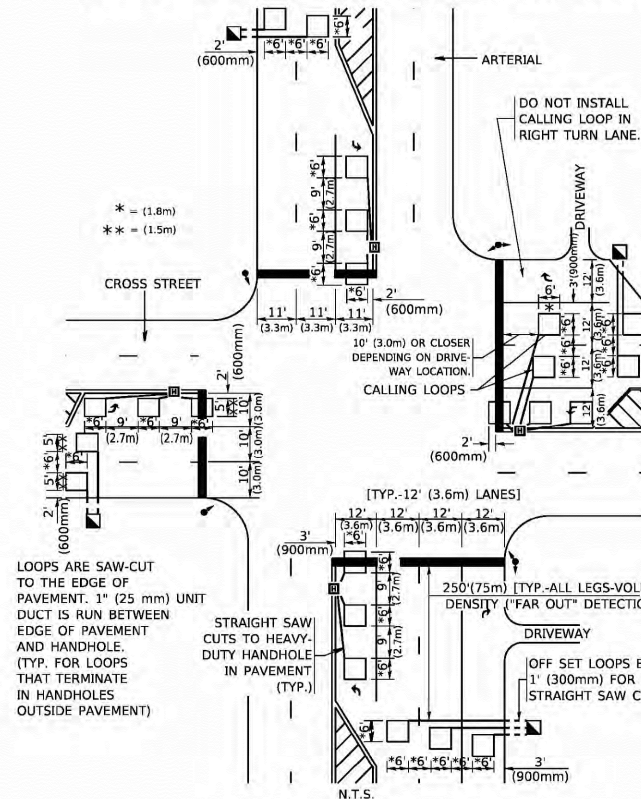
**VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH (PROTECTED / PERMITTED LEFT TURN PHASING)**

\* = (600 mm)



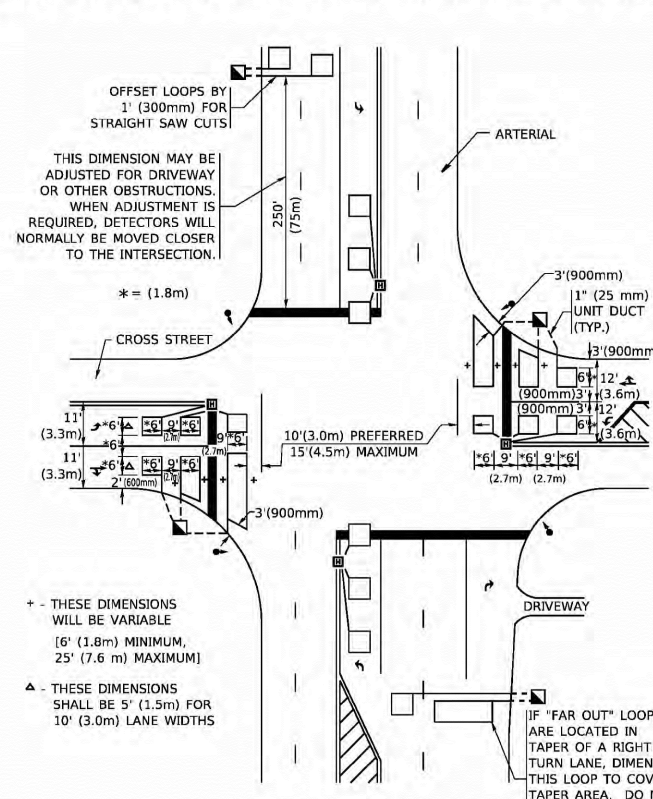
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**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 DIMENSIONS 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.

USER NAME = footejm	DESIGNED -	REVISED -
PLOT SCALE = 50,000' / in.	DRAWN - R.K.F.	REVISED -
PLOT DATE = 3/4/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DISTRICT 1 - DETECTOR LOOP INSTALLATION**  
**DETAILS FOR ROADWAY RESURFACING**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TS-07			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

FILE NAME = 21R0969-DTLS-01 - TS-07

USER NAME =	DESIGNED - MG	REVISED -
	CHECKED - WPD	REVISED -
PLOT SCALE =	DRAWN - RG	REVISED -
PLOT DATE = 12-05-24	CHECKED - AG	REVISED -

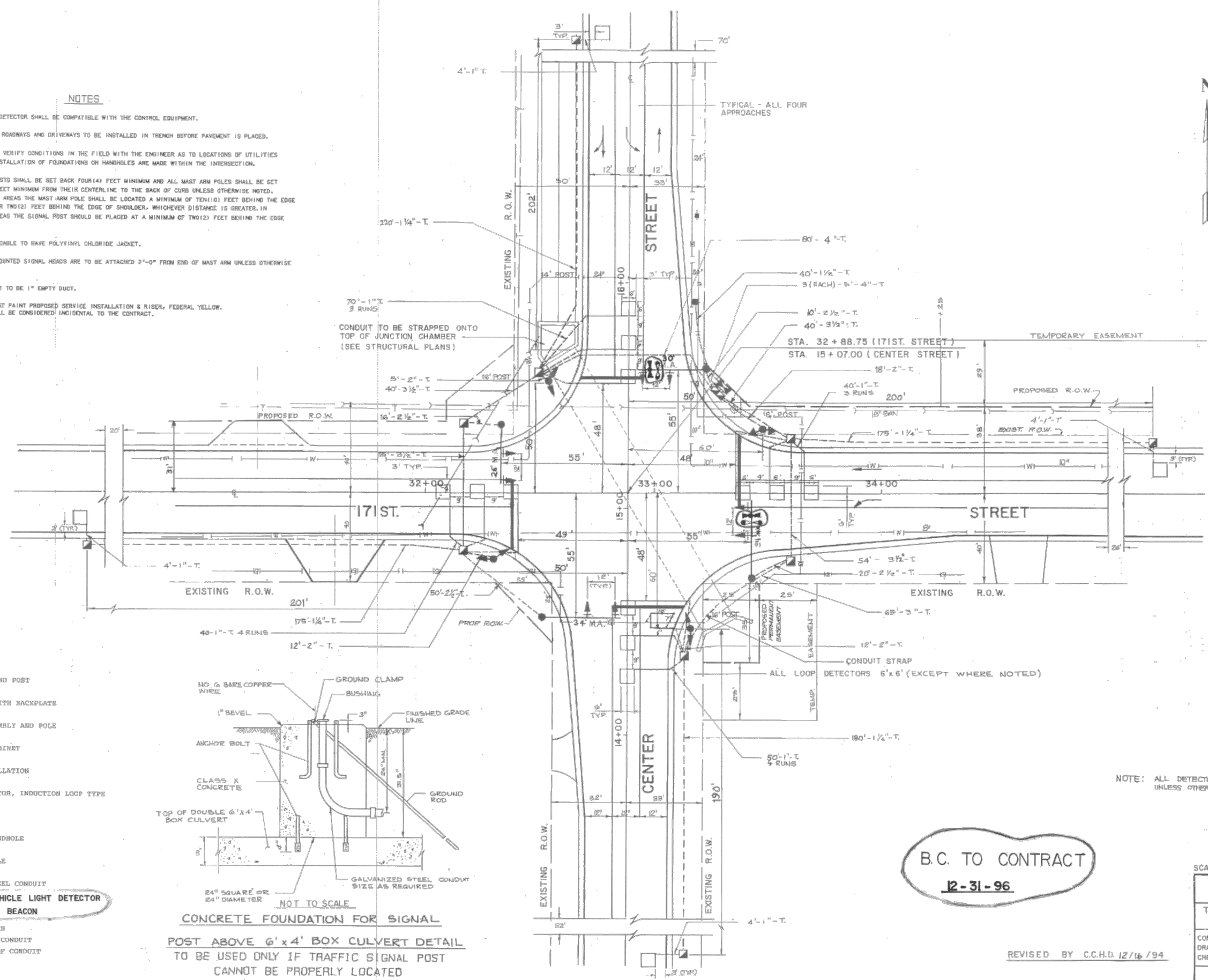
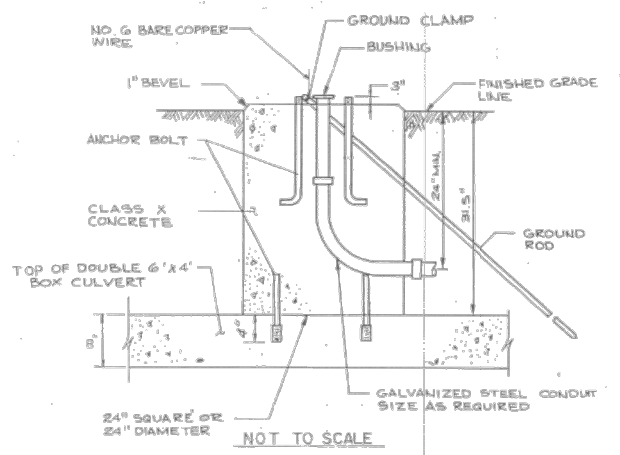
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

CENTER STREET			
ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS			
DISTRICT 1 DETAILS			
SCALE: 1"=5'	SHEET NO. 37	OF 49 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	37
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NM5A(507)				

- NOTES**
1. VEHICLE LOOP DETECTOR SHALL BE COMPATIBLE WITH THE CONTROL EQUIPMENT.
  2. CONDUIT UNDER ROADWAYS AND DRIVEWAYS TO BE INSTALLED IN TRENCH BEFORE PAVEMENT IS PLACED.
  3. CONTRACTOR TO VERIFY CONDITIONS IN THE FIELD WITH THE ENGINEER AS TO LOCATIONS OF UTILITIES BEFORE THE INSTALLATION OF FOUNDATIONS OR HANDHOLES ARE MADE WITHIN THE INTERSECTION.
  4. ALL SIGNAL POSTS SHALL BE SET BACK FOUR(4) FEET MINIMUM AND ALL MAST ARM POLES SHALL BE SET BACK SIX(6) FEET MINIMUM FROM THEIR CENTERLINE TO THE BACK OF CURB UNLESS OTHERWISE NOTED. IN NON-CURBED AREAS THE MAST ARM POLE SHALL BE LOCATED A MINIMUM OF TEN(10) FEET BEHIND THE EDGE OF PAVEMENT OR TWO(2) FEET BEHIND THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. IN NON-CURBED AREAS THE SIGNAL POST SHOULD BE PLACED AT A MINIMUM OF TWO(2) FEET BEHIND THE EDGE OF SHOULDER.
  5. ALL ELECTRIC CABLE TO HAVE POLYVINYL CHLORIDE JACKET.
  6. ALL MASTARM MOUNTED SIGNAL HEADS ARE TO BE ATTACHED 2'-0" FROM END OF MAST ARM UNLESS OTHERWISE NOTED.
  7. ALL 1" CONDUIT TO BE 1" EMPTY DUCT.
  8. CONTRACTOR MUST PAINT PROPOSED SERVICE INSTALLATION & RISER, FEDERAL YELLOW. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

- LEGEND**
- SIGNAL HEAD AND POST
  - SIGNAL HEAD WITH BACKPLATE
  - MAST ARM ASSEMBLY AND POLE
  - CONTROLLER CABINET
  - SERVICE INSTALLATION
  - VEHICLE DETECTOR, INDUCTION LOOP TYPE
  - HANDHOLE
  - HEAVY DUTY HANDHOLE
  - DOUBLE HANDHOLE
  - GALVANIZED STEEL CONDUIT
  - EMERGENCY VEHICLE LIGHT DETECTOR CONFIRMATION BEACON
  - 10'-2"-T IN TRENCH
  - SIZE OF CONDUIT
  - LENGTH OF CONDUIT



B.C. TO CONTRACT  
**12-31-96**

NOTE: ALL DETECTOR LOOPS ARE 6'x6' UNLESS OTHERWISE INDICATED.

SCALE (1" = 20')

COUNTY OF COOK DEPARTMENT OF HIGHWAYS			
TRAFFIC SIGNAL INSTALLATION CENTER STREET			
COMPUTED <i>YM</i>	APPROVED <i>December 16 1994</i>		
DRAWN <i>LR</i>	<i>[Signature]</i>		
CHECKED <i>MS</i>	CHIEF ENGINEER OF DESIGN		
ENVIRODYNE ENGINEERS Consulting Engineers - Chicago, Illinois			

FILE NAME = 21R0969-DTLS-01 - CCHD-TS-01	USER NAME =	DESIGNED -- MG	REVISED --
		CHECKED -- WPD	REVISED --
	PLOT SCALE =	DRAWN -- MED	REVISED --
	PLOT DATE = 12-05-24	CHECKED -- APG	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

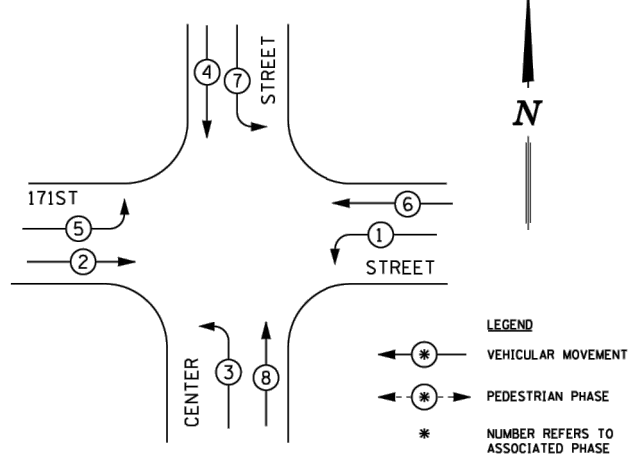
CENTER STREET ROADWAY RESURFACING AND PEDESTRIAN ACCOMMODATIONS EXISTING TRAFFIC SIGNALS			
SCALE:	SHEET NO. 38 OF 49 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00028-00-RS	COOK	49	38
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	NM5A(507)	

COUNTY HIGHWAY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
B84/W52	2011	110	117

SECTION: 10-TSCMC-08-TL

### EXISTING CONTROLLER SEQUENCE

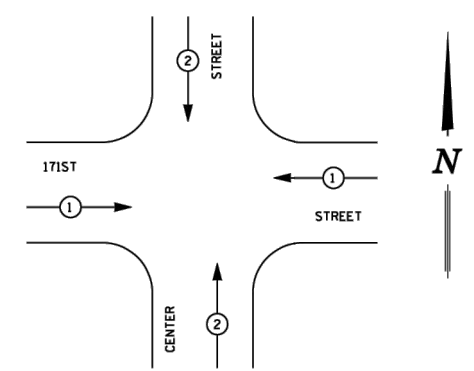


**LEGEND**  
 \* VEHICULAR MOVEMENT  
 \* PEDESTRIAN PHASE  
 \* NUMBER REFERS TO ASSOCIATED PHASE

### PHASE DESIGNATION DIAGRAM

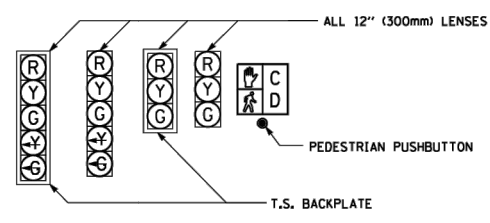
DUAL ENTRY - ALL LEGS  
 PROTECTED / PERMITTED LEFT TURN PHASING

### EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



EMERGENCY VEHICLE PREEMPTOR	1	2
MOVEMENT	←	↑

### SIGNAL FACES

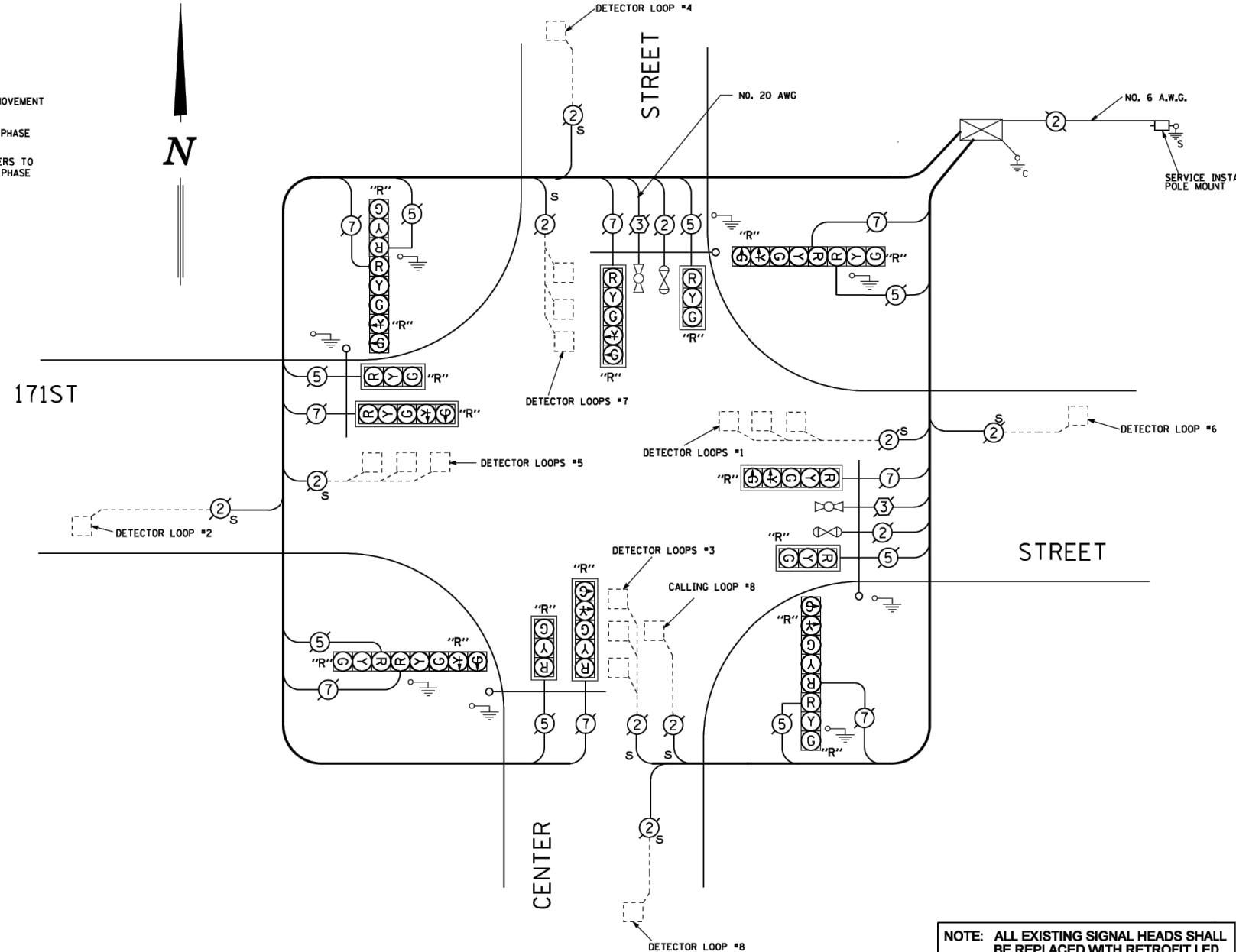


### SIGNAL LENSES

- R RED
- Y YELLOW
- G GREEN
- Y TURN INDICATOR
- G TURN INDICATOR

### SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	4
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED, RETROFIT	EACH	4
LOAD SWITCH	EACH	8



### CABLE PLAN LEGEND

	PROPOSED	EXISTING
CONTROLLER CABINET		
SERVICE INSTALLATION		
8" (200mm) TRAFFIC SIGNAL SECTION		
12" (300mm) TRAFFIC SIGNAL SECTION		
12" (300mm) PEDESTRIAN SIGNAL SECTION		
DENOTES NUMBER OF CONDUCTORS ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE TWISTED AND SHIELDED.		
TELEPHONE INSTALLATION		
VEHICLE DETECTOR, INDUCTION LOOP		
SHIELDED & TWISTED		
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIRMATION BEACON		
OPTICOM CABLE, NO. 20		
16" (406mm) x 18" (457mm) PEDESTRIAN COUNTDOWN SIGNAL HEAD		
PUSHBUTTON DETECTOR		
"R" INDICATES RETROFIT LED.		
GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), CONTROLLER (C), SERVICE (S), POST (P), OR MAST ARM POLE (MA).		

NOTE: ALL EXISTING SIGNAL HEADS SHALL BE REPLACED WITH RETROFIT LED.

CCHD TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE (INCAND.)	LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16 x		17 x	0.50	136
(YELLOW)	16 x		25 x	0.25	100
(GREEN)	16 x		15 x	0.25	60
ARROW	8 x		12 x	0.10	9.6
PED. SIGNAL	0 x		25 x	1.00	0
CONTROLLER	1 x		100 x	1.00	100
VEHICLE DET.	9 x		5 x	1.00	45
FLASHER				x 0.50	
ENERGY COSTS TO:				TOTAL =	450.6
CALL CCHD FOR BILLING INFORMATION AT (312) 603-1730.					
ENERGY SUPPLY CONTACT: ComEd					
PHONE: (866)-639-3532					
COMPANY: ComEd					

## CABLE PLAN

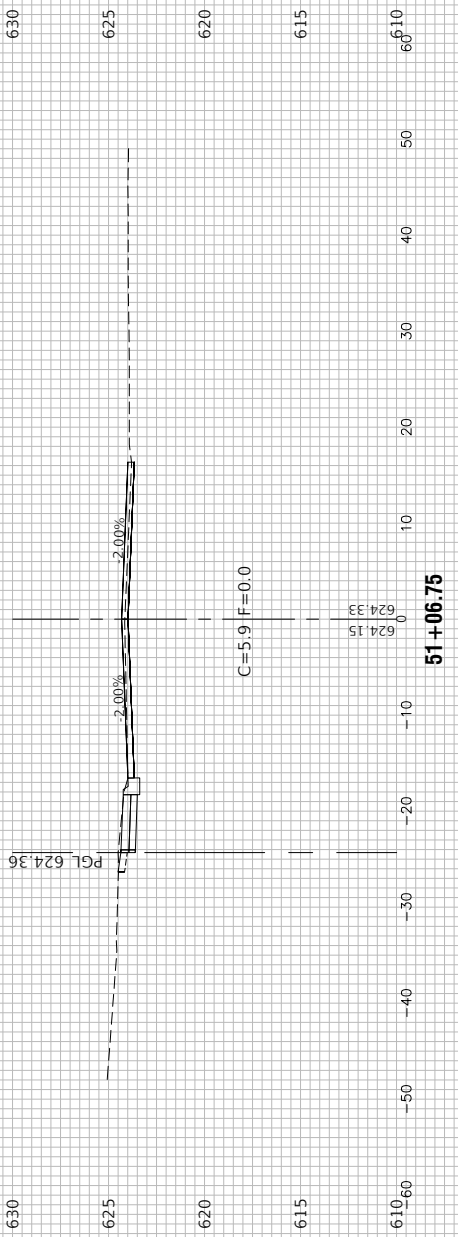
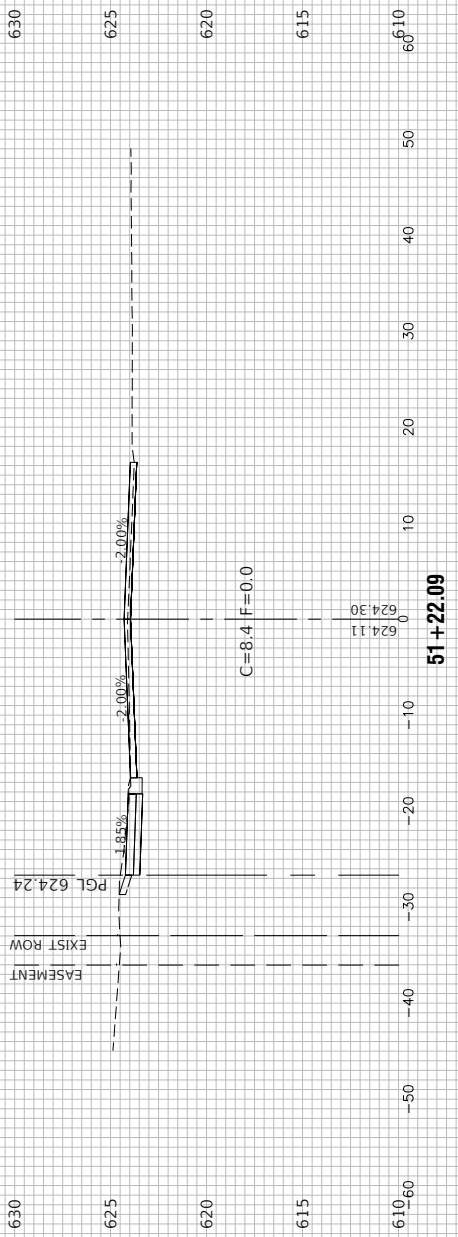
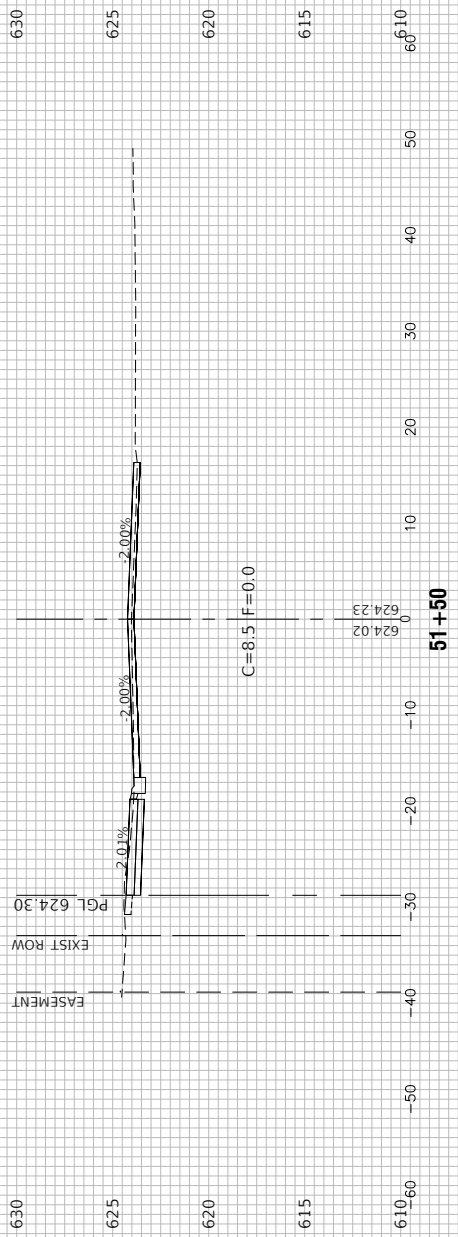
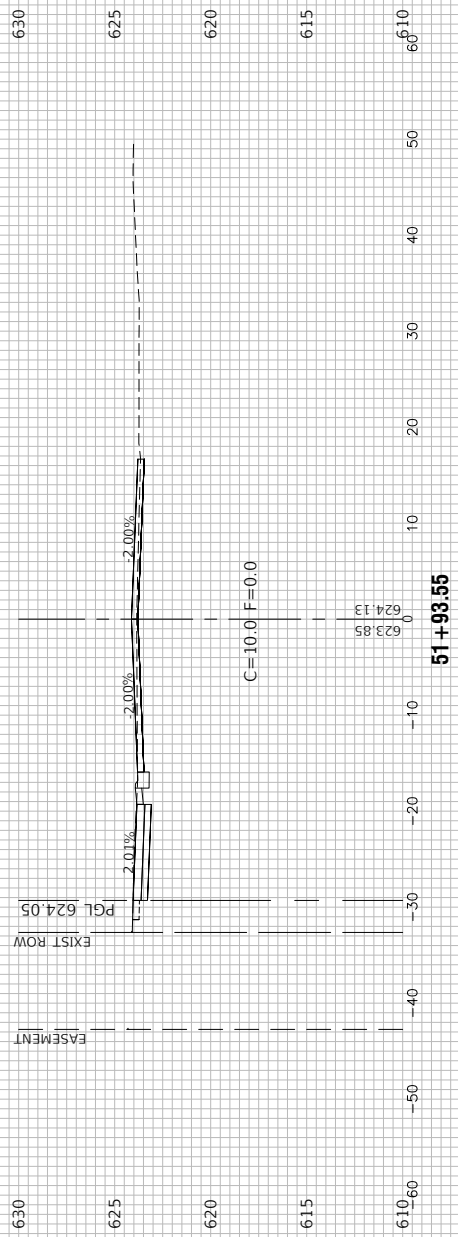
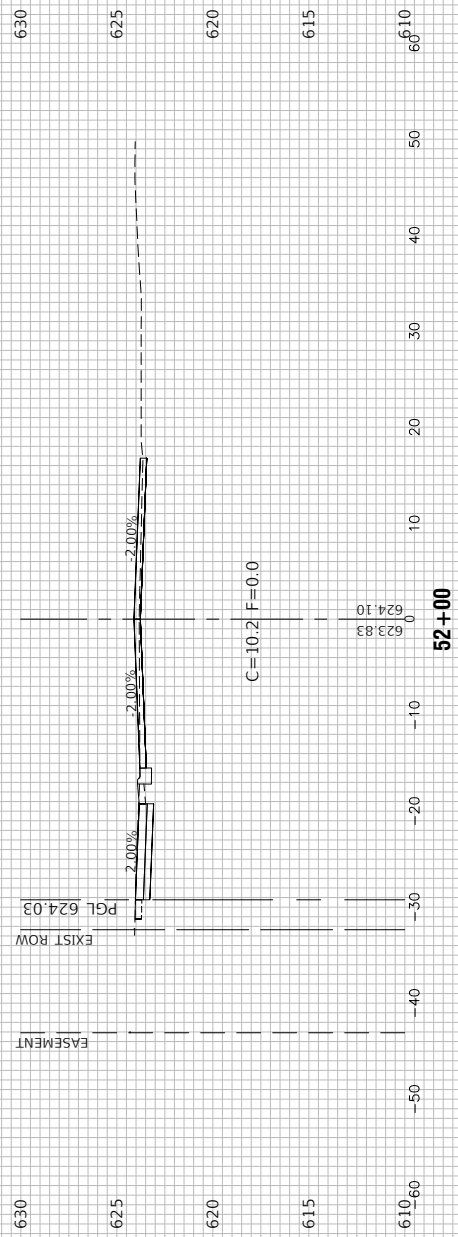
NOT TO SCALE

COUNTY OF COOK  
 DEPARTMENT OF HIGHWAYS

TRAFFIC SIGNAL INSTALLATION  
 171ST STREET AND CENTER STREET  
 (CABLE PLAN)

COMPUTED CP  
 DRAWN PLW/RJ  
 CHECKED PLW/RJ

APPROVED \_\_\_\_\_  
 CHIEF ENGINEER



FILE NAME = 21-R0969-XSECT-01 - IDOT\_X(1)

USER NAME =	DESIGNED -- MG	REVISED --
	CHECKED -- WPD	REVISED --
PLOT SCALE =	DRAWN -- MED	REVISED --
PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --

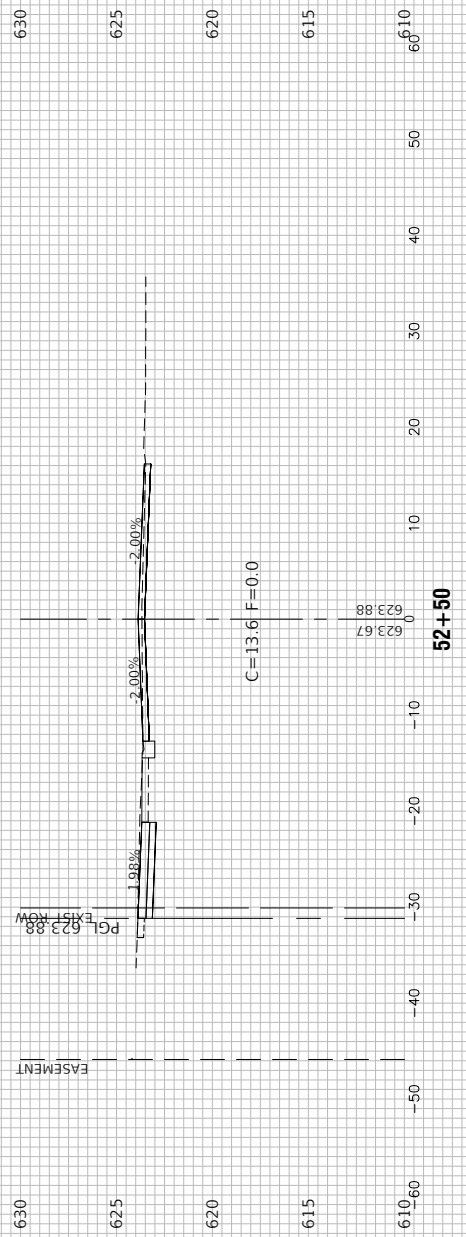
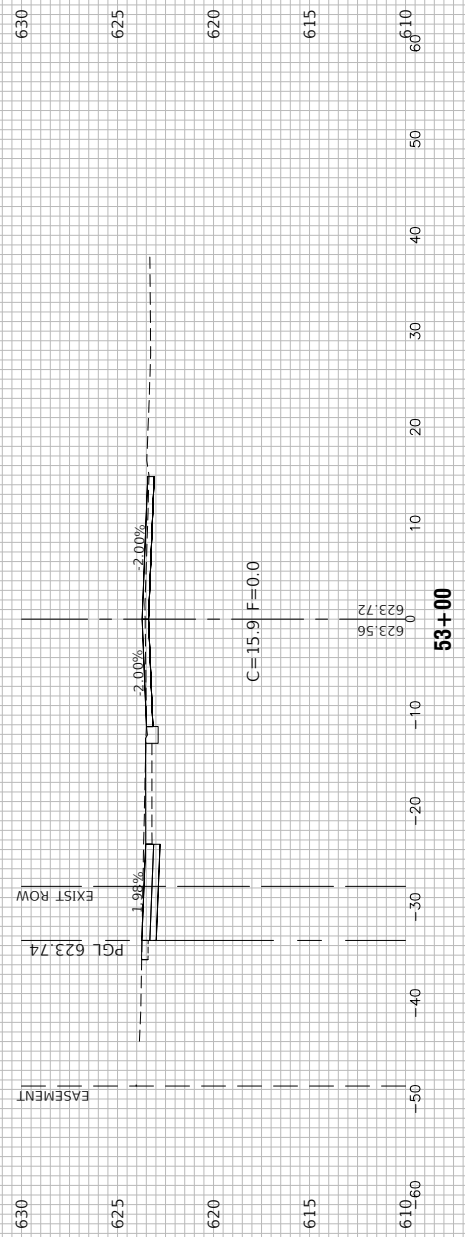
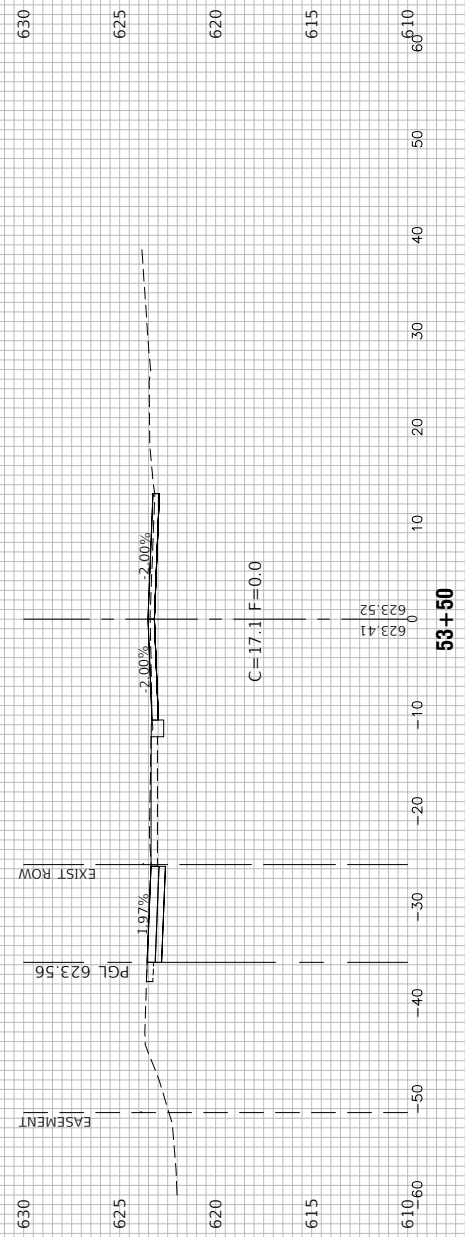
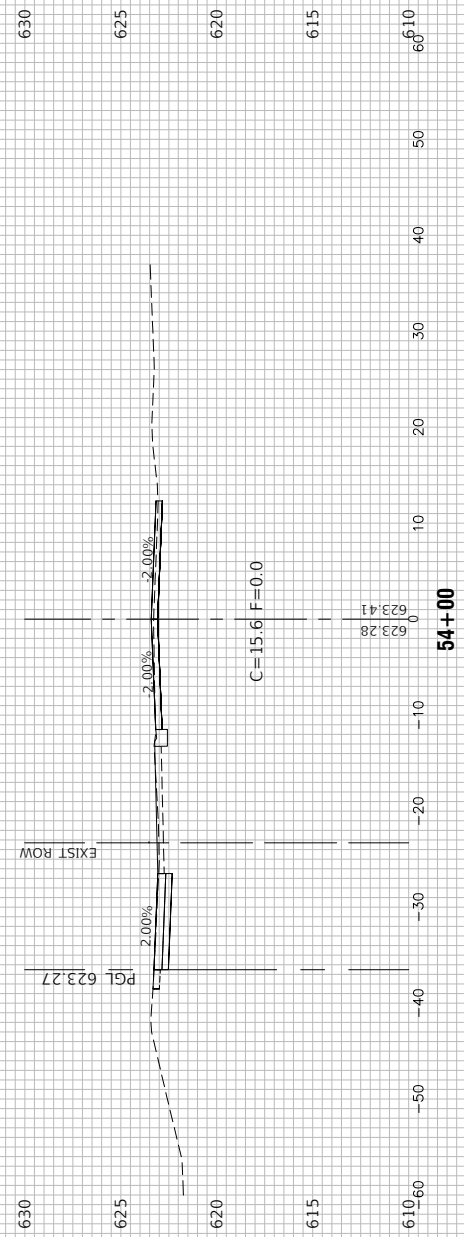
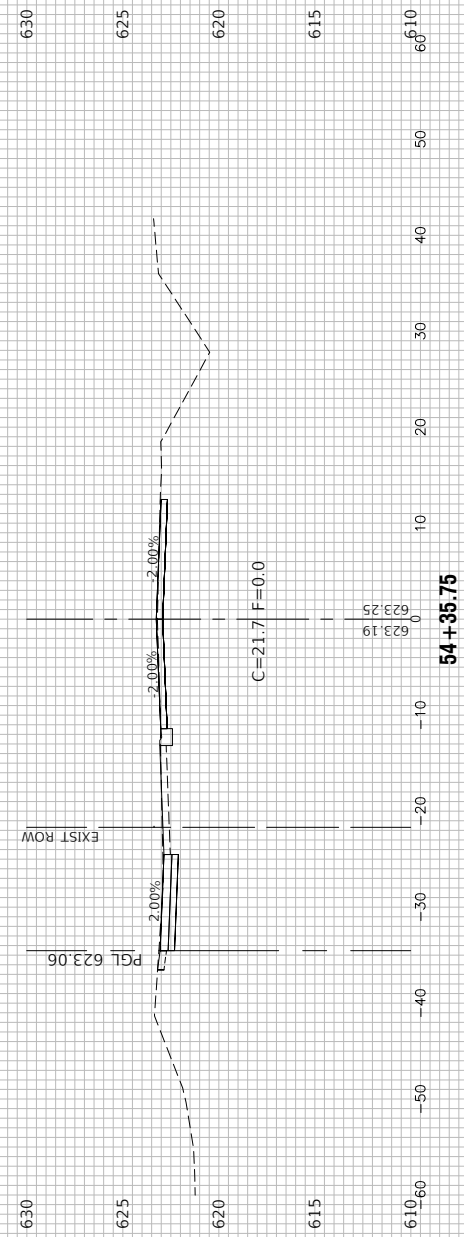
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CENTER STREET  
ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS  
CROSS SECTIONS

SCALE: SHEET NO. 40 OF 49 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	40
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	NM5A(507)	





FILE NAME = 21-R0969-XSECT-01 - IDOT\_X(2)

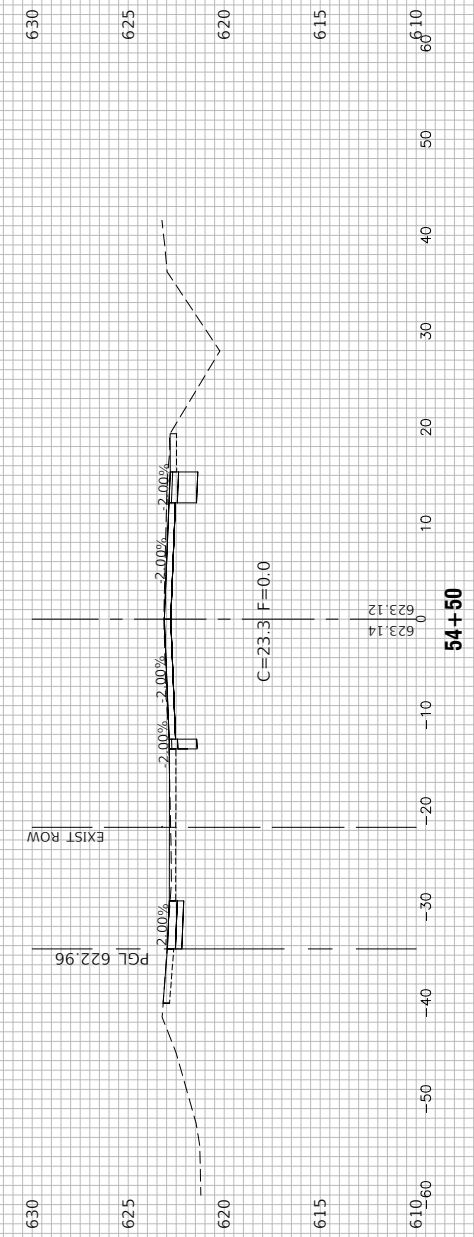
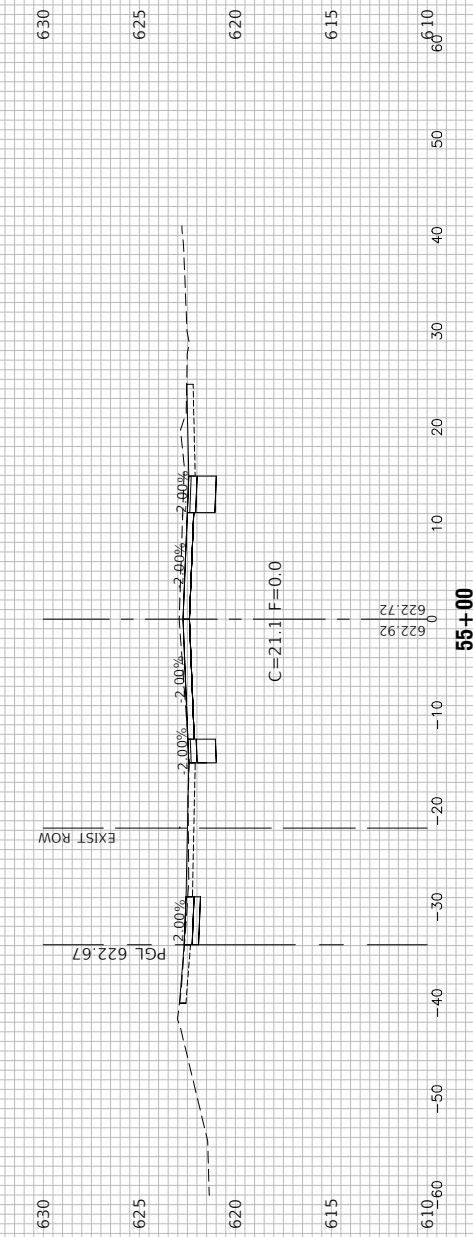
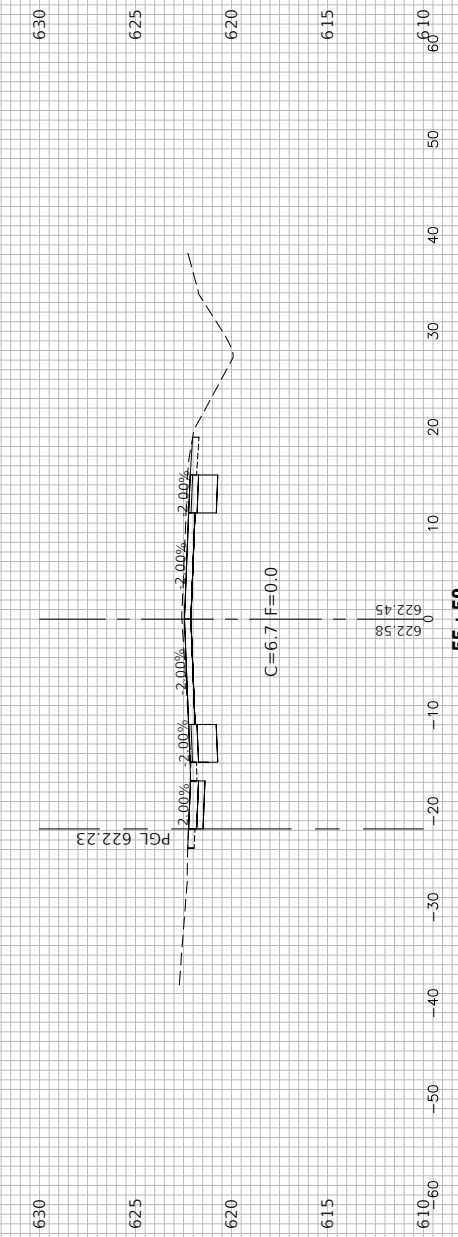
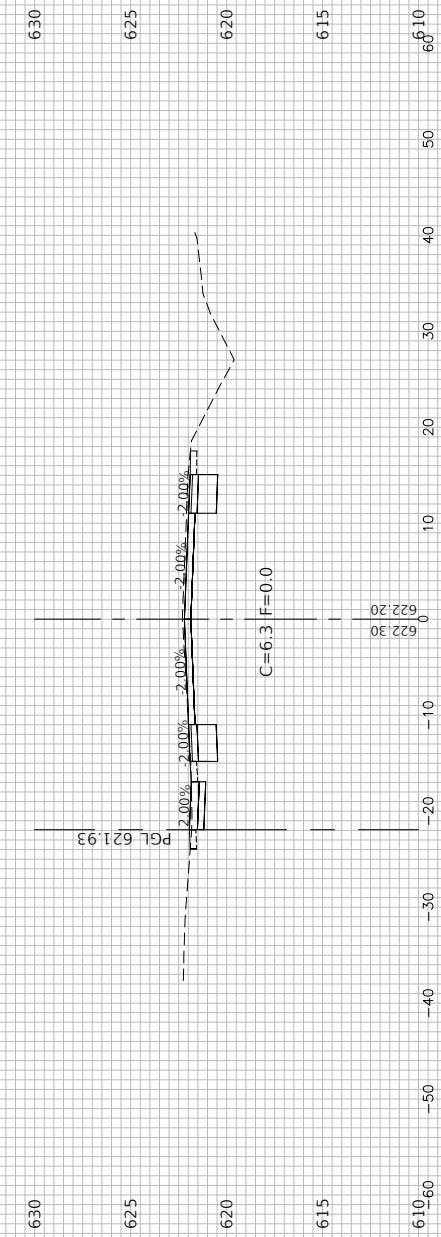
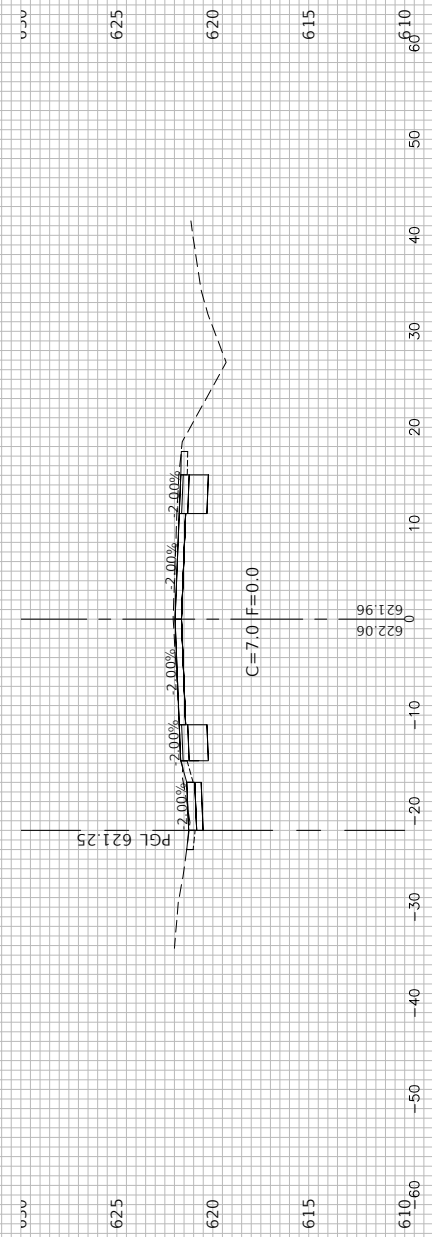
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	CHECKED -- WPD	REVISED --
PLOT SCALE =	DRAWN -- MED	REVISED --
PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CENTER STREET  
ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS  
CROSS SECTIONS

SCALE: SHEET NO. 41 OF 49 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	41
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	NM5A(507)	



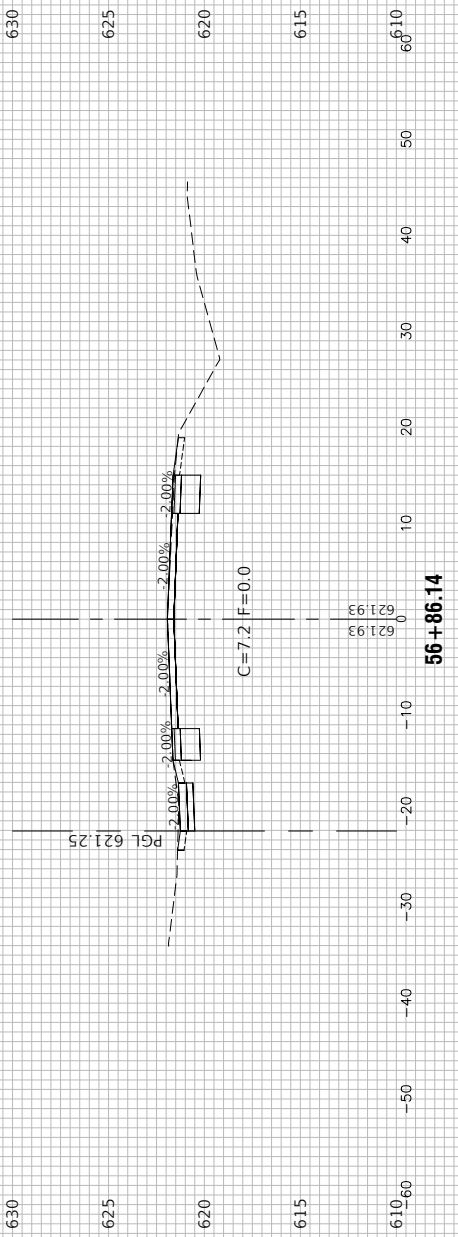
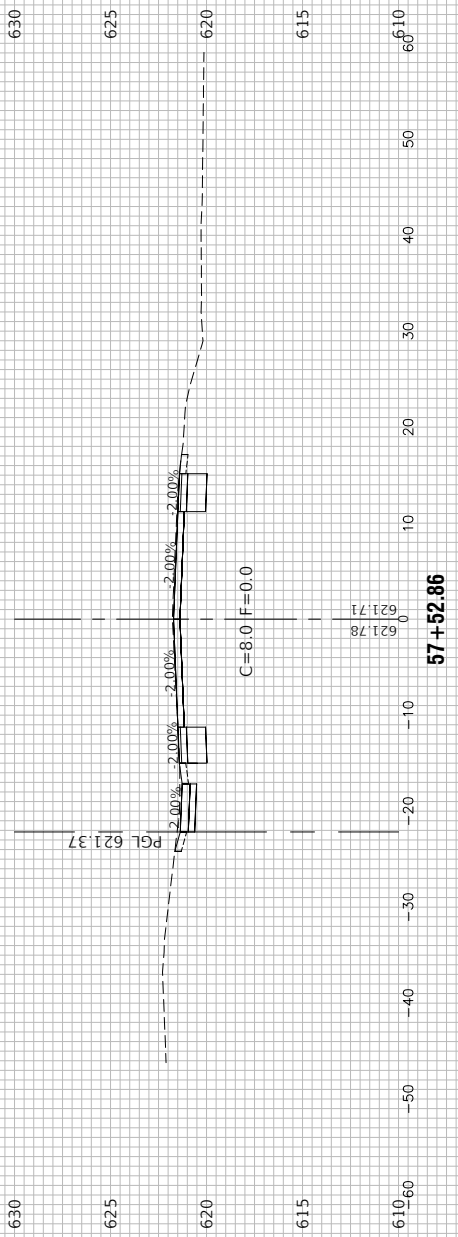
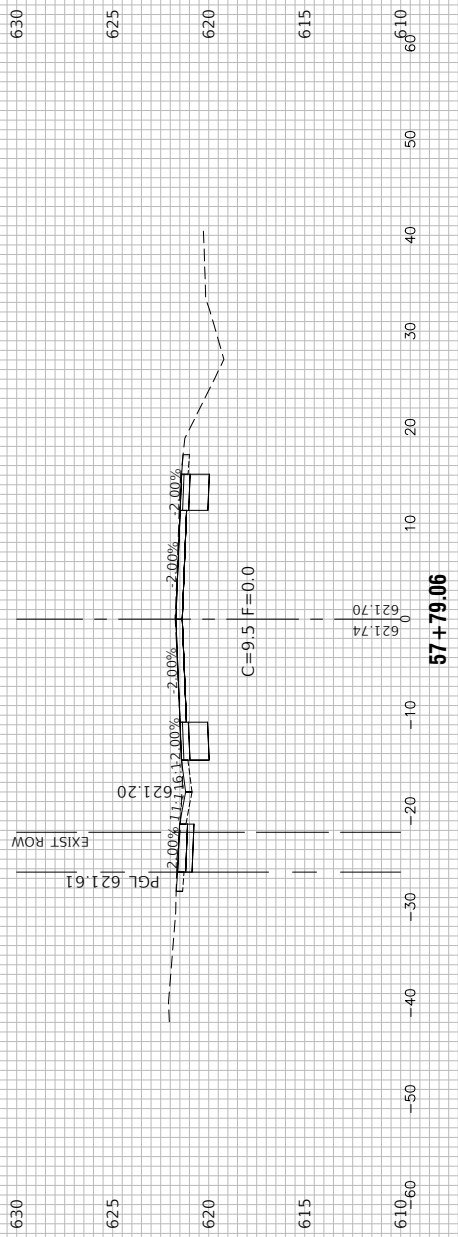
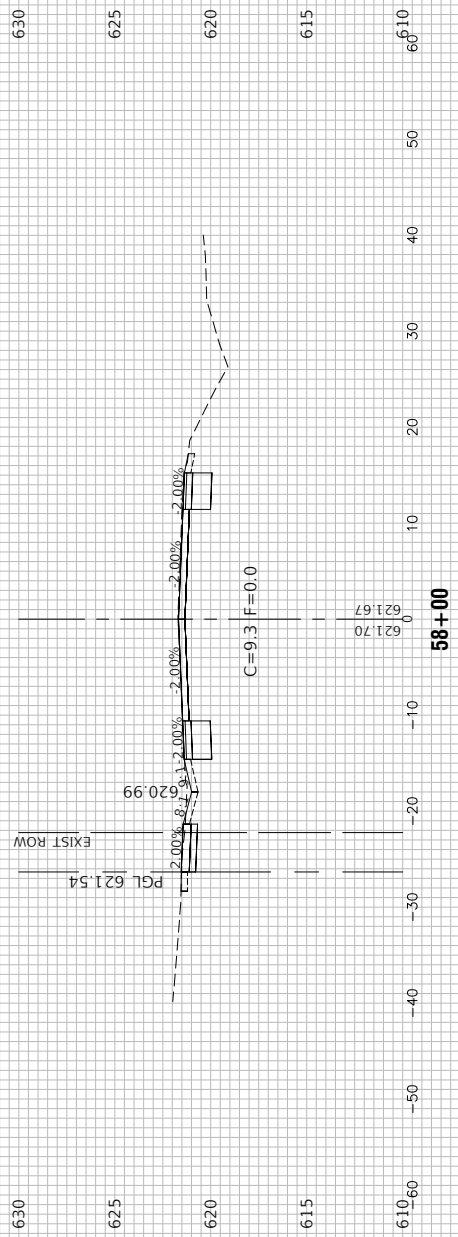
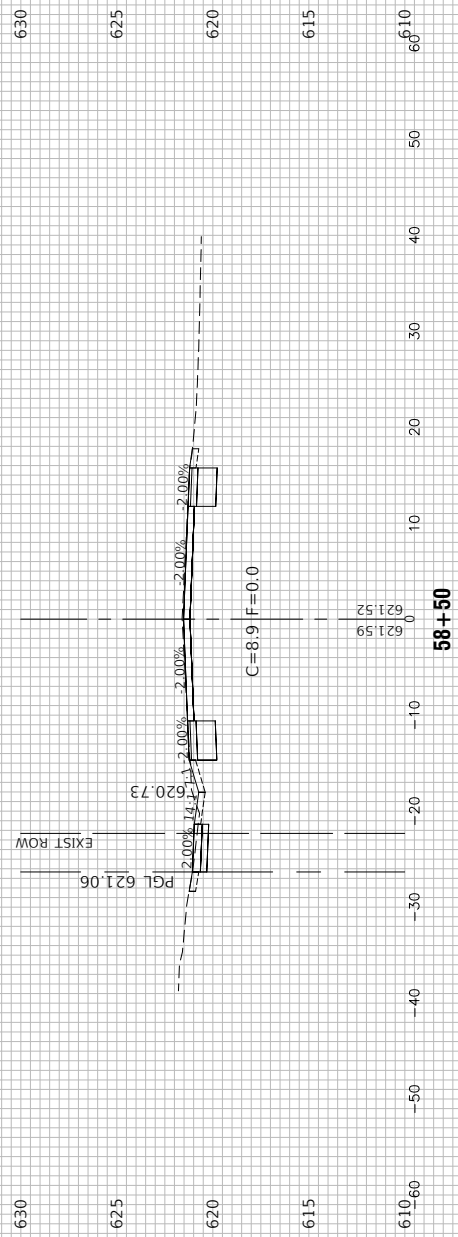
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		CHECKED -- WPD	REVISED --
	PLOT SCALE =	DRAWN -- MED	REVISED --
	PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CENTER STREET  
ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS  
CROSS SECTIONS**

SCALE: SHEET NO. 42 OF 49 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	42
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	NM5A(507)	



FILE NAME = 21-R0969-XSECT-01 - IDOT\_X(4)

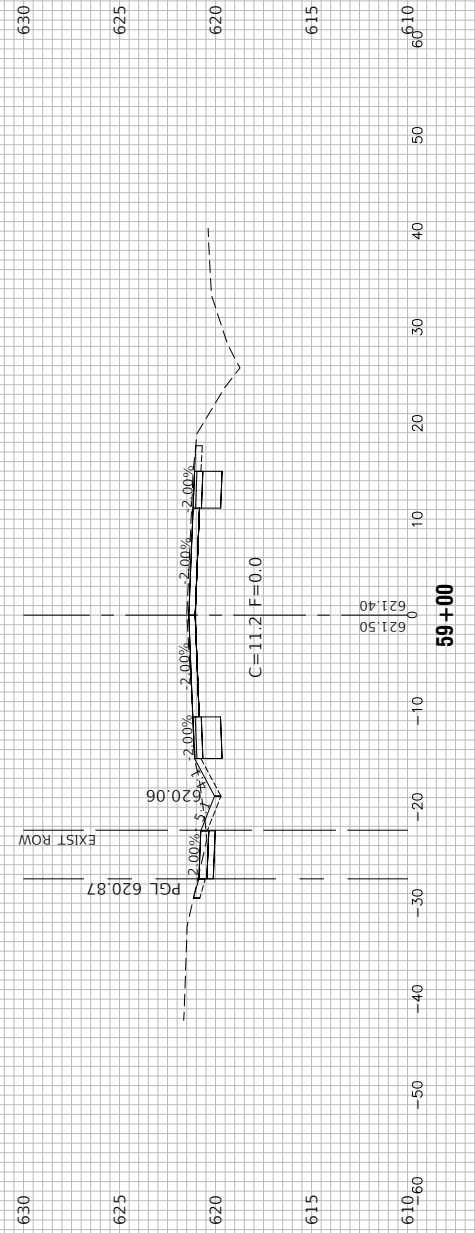
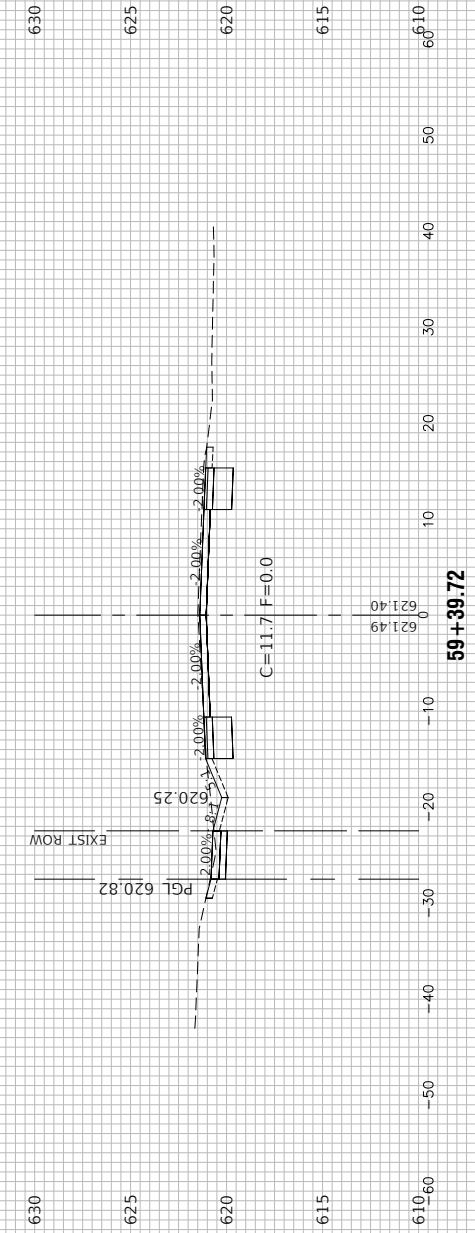
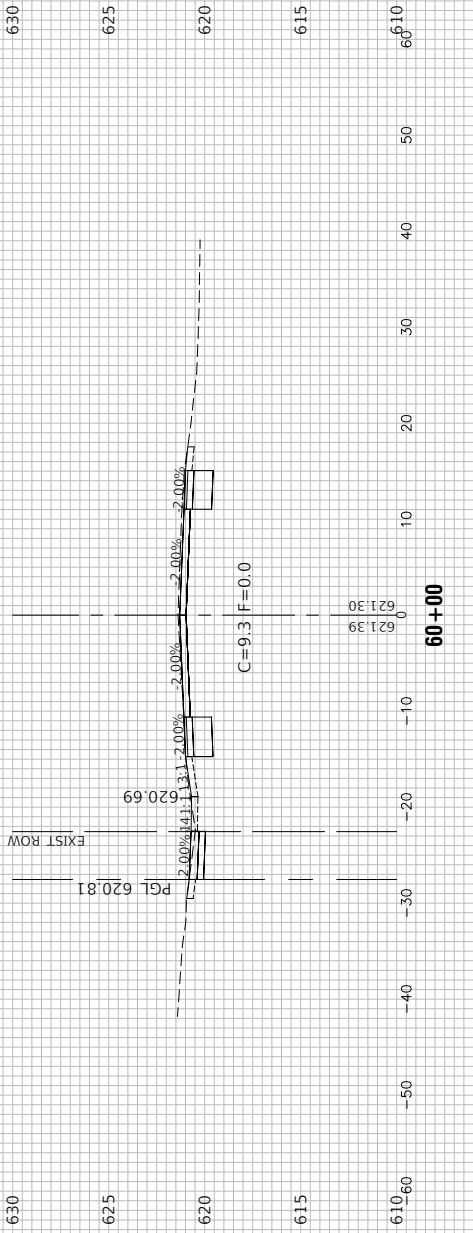
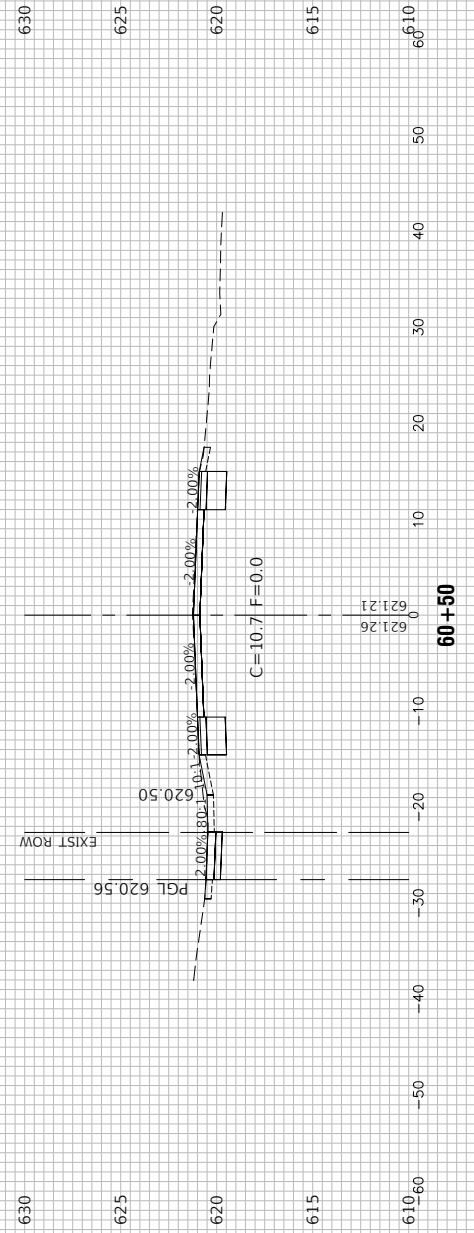
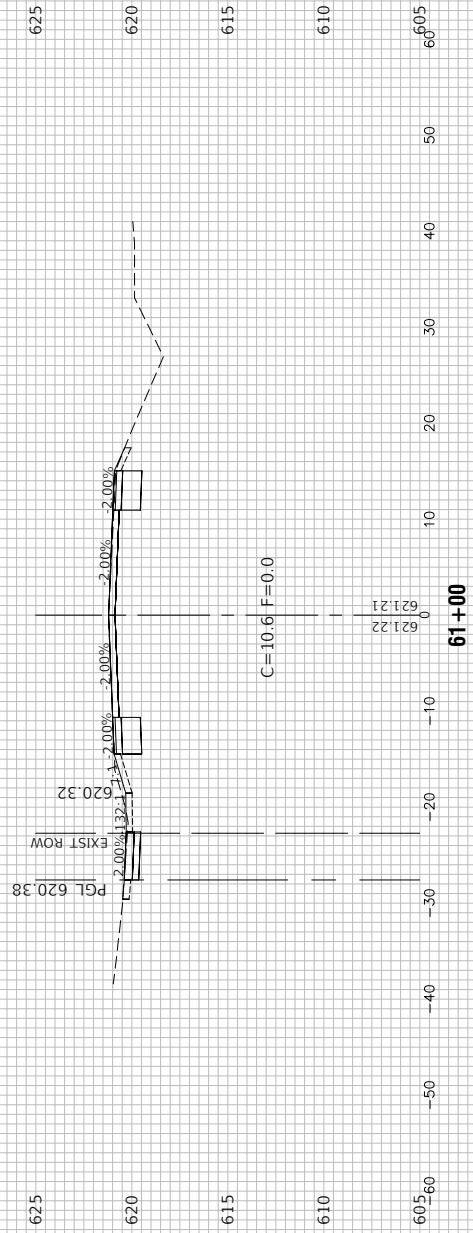
USER NAME =	DESIGNED -- MG	REVISED --
	CHECKED -- WPD	REVISED --
PLOT SCALE =	DRAWN -- MED	REVISED --
PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CENTER STREET  
ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS  
CROSS SECTIONS

SCALE: SHEET NO. 43 OF 49 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	43
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	NM5A(507)	



FILE NAME = 21-R0969-XSECT-01 - IDOT\_X(5)

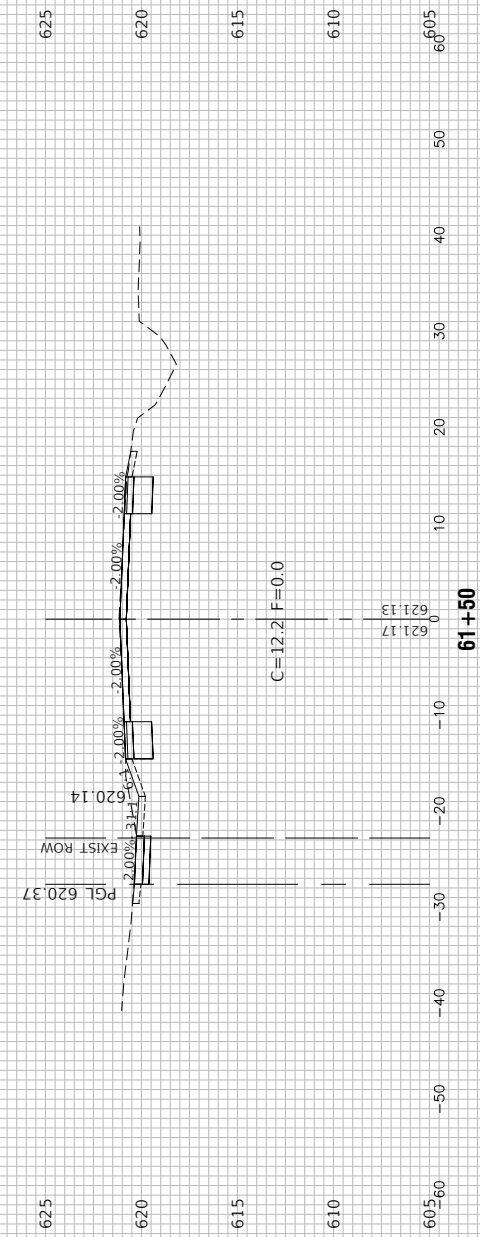
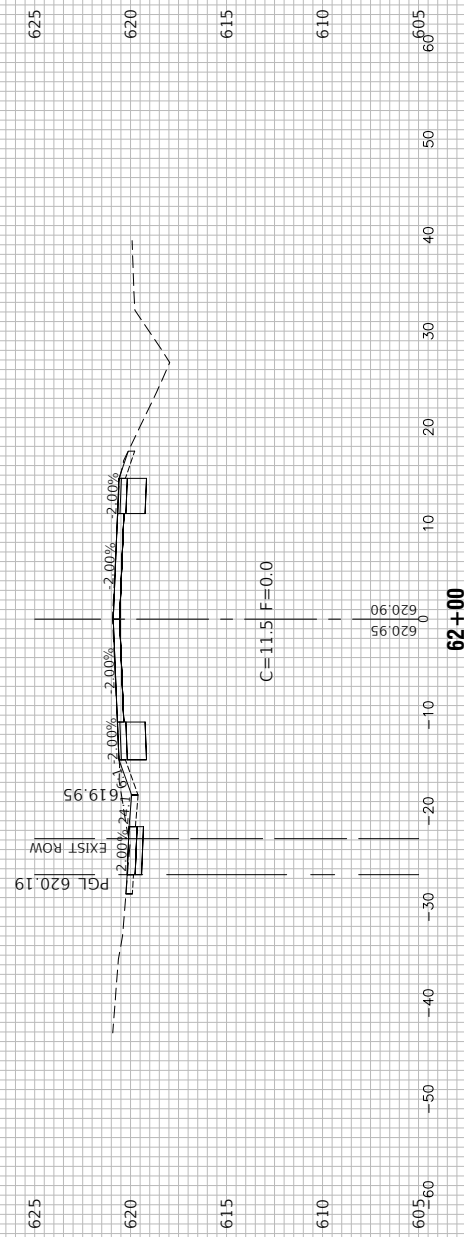
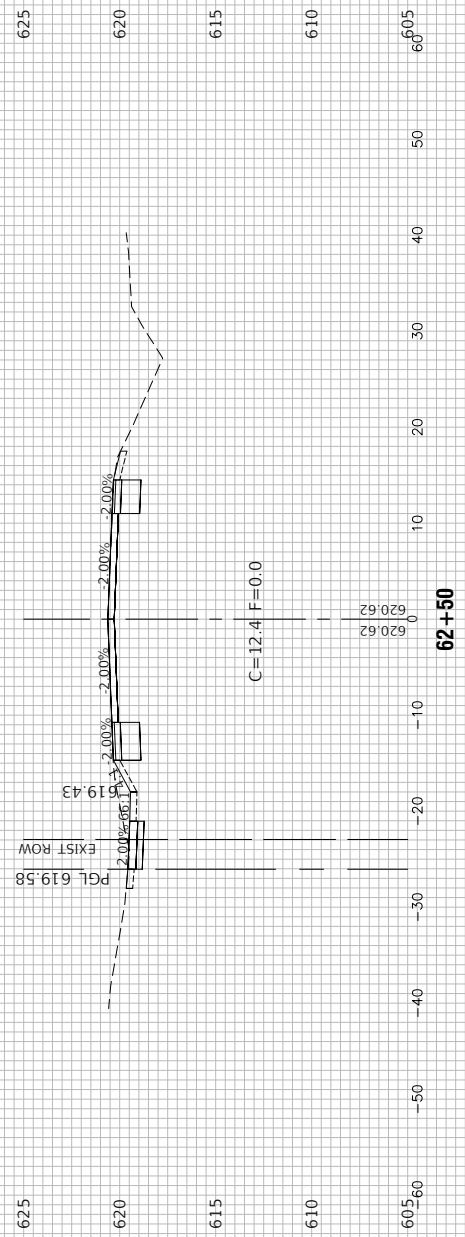
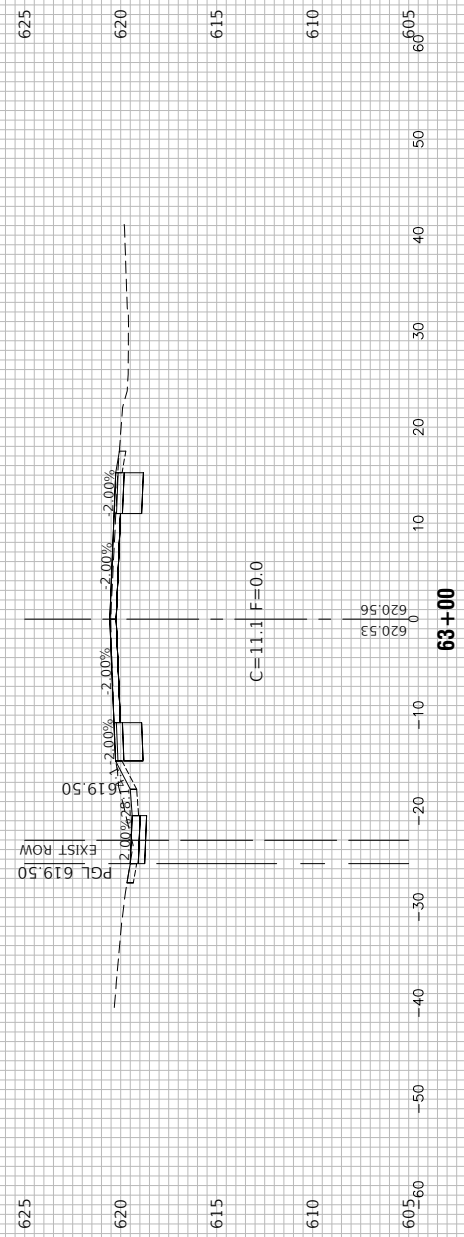
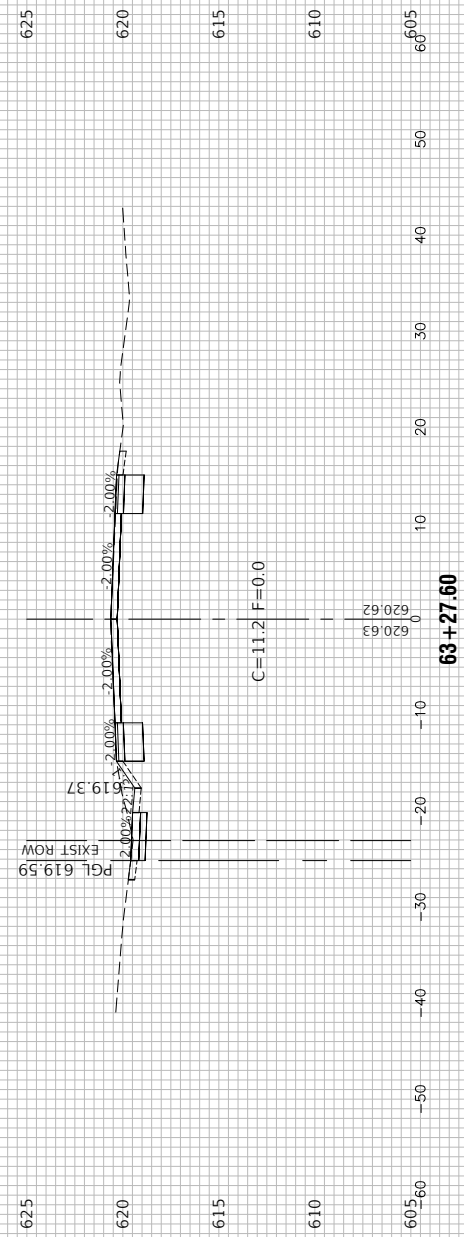
USER NAME =	DESIGNED -- MG	REVISED --
	CHECKED -- WPD	REVISED --
PLOT SCALE =	DRAWN -- MED	REVISED --
PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CENTER STREET  
ROADWAY RESURFACING AND PEDESTRIAN ACCOMMODATIONS  
CROSS SECTIONS

SCALE: SHEET NO. 44 OF 49 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	44
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	NM5A(507)	



FILE NAME = 21-R0969-XSECT-01 - IDOT\_X(6)

USER NAME =  
 PLOT SCALE =  
 PLOT DATE = 12-05-24

DESIGNED -- MG  
 CHECKED -- WPD  
 DRAWN -- MED  
 CHECKED -- AG

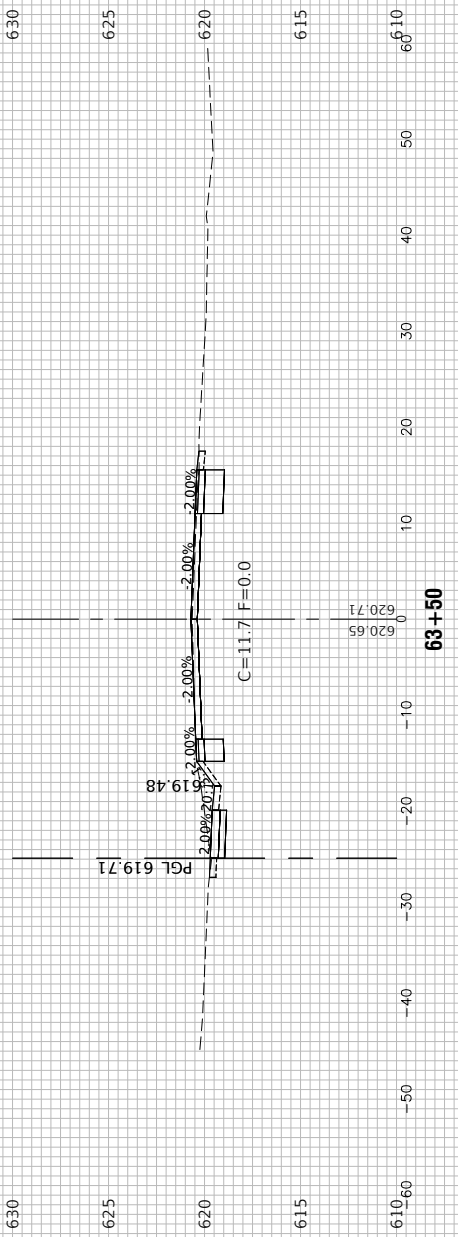
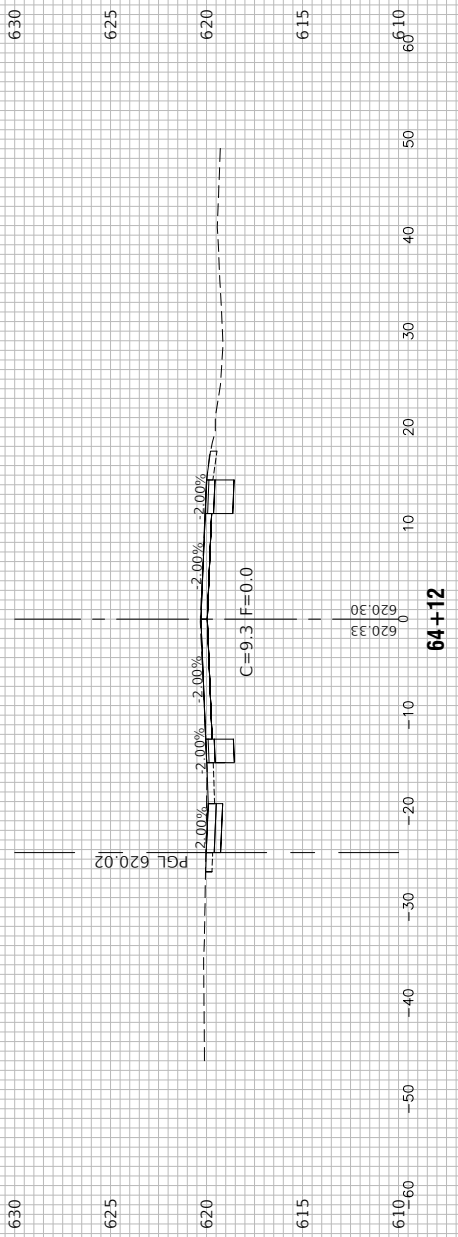
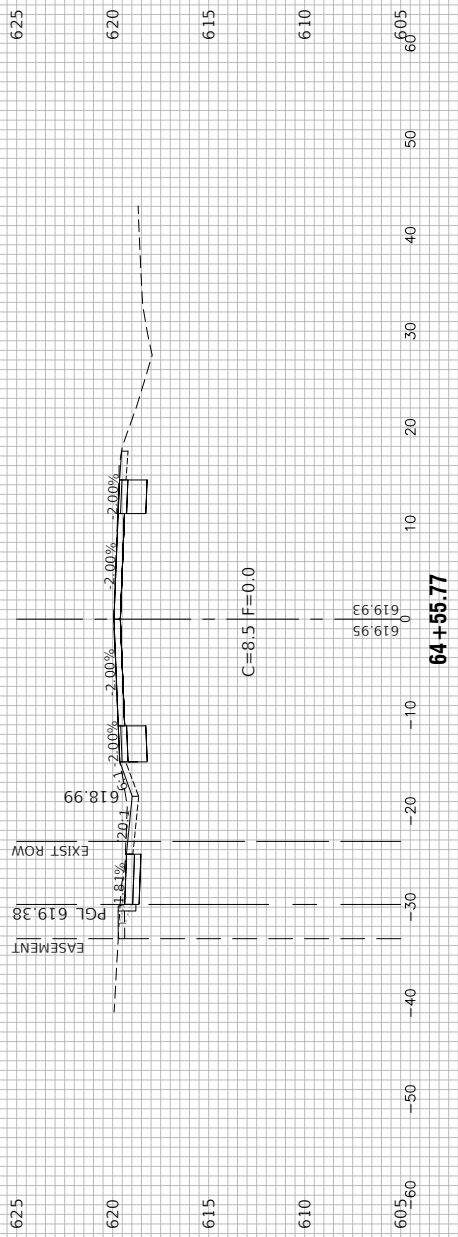
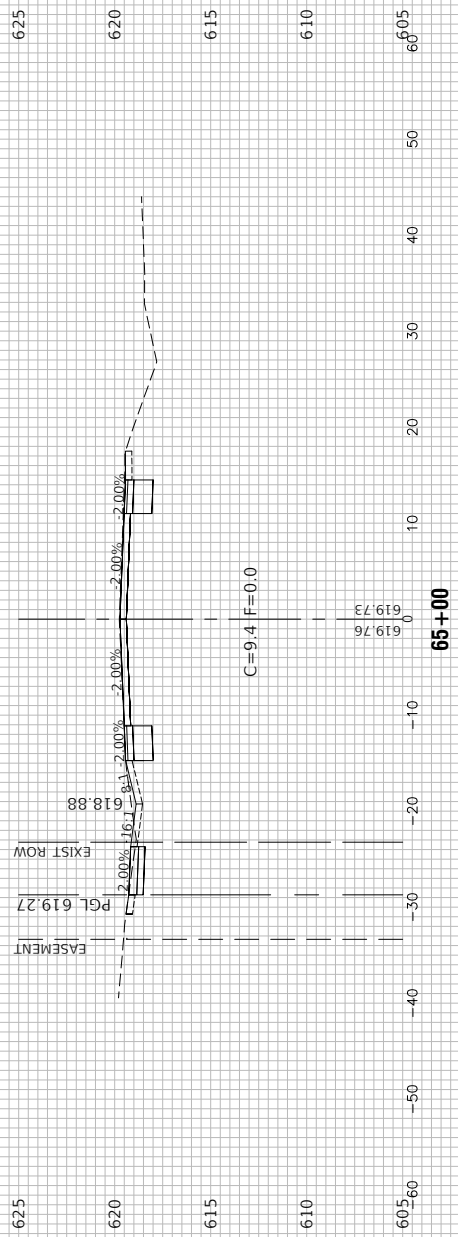
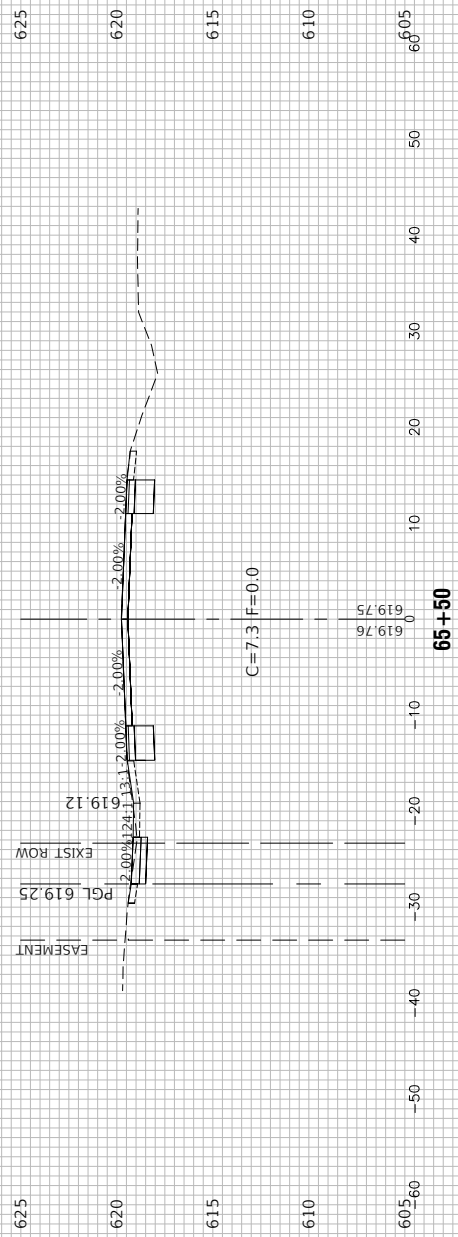
REVISED --  
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 REVISED --

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CENTER STREET  
 ROADWAY RESURFACING AND PEDESTRIAN ACCOMMODATIONS  
 CROSS SECTIONS

SCALE: SHEET NO. 45 OF 49 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	45
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	NM5A(507)	



FILE NAME = 21-R0969-XSECT-01 - IDOT\_X(7)

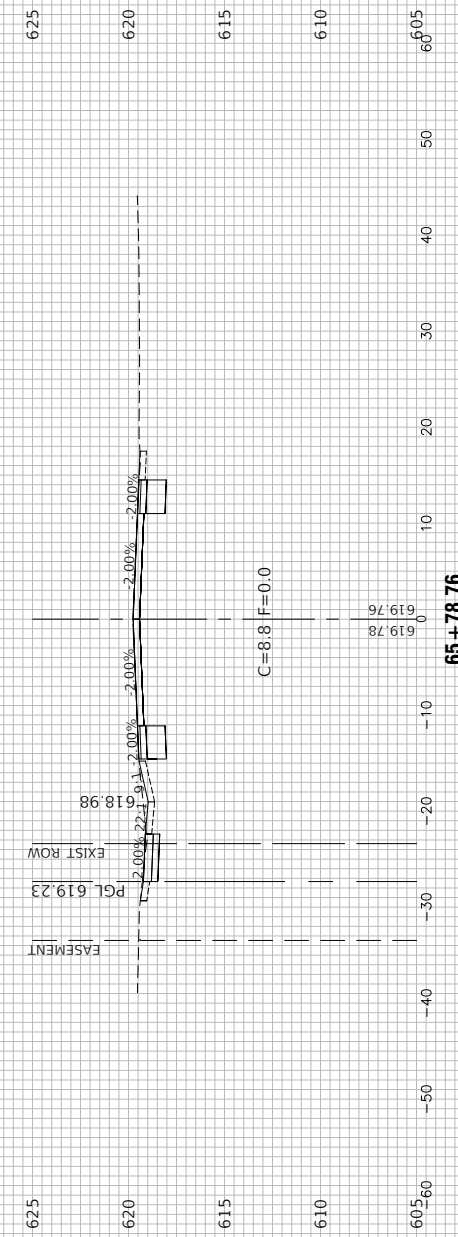
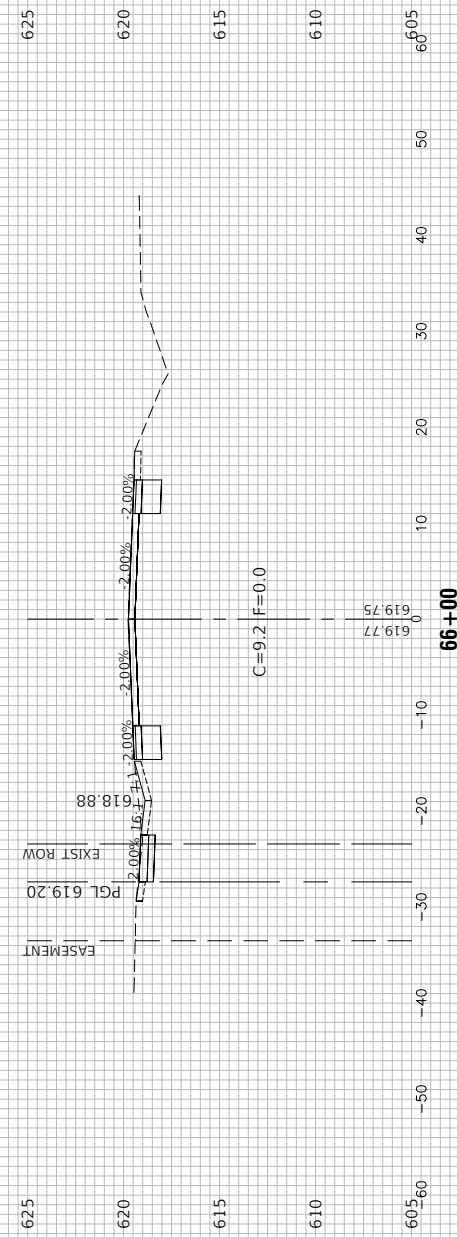
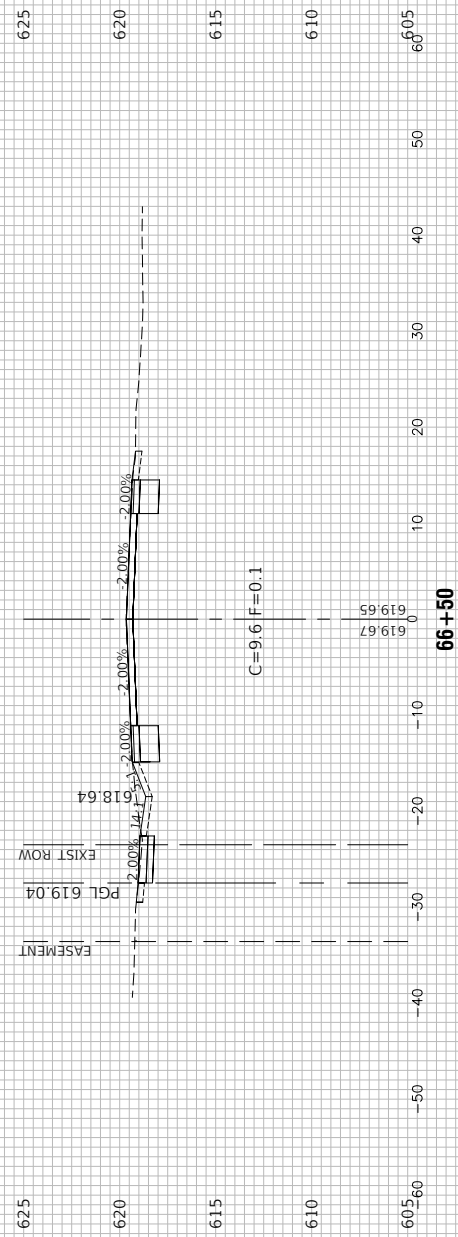
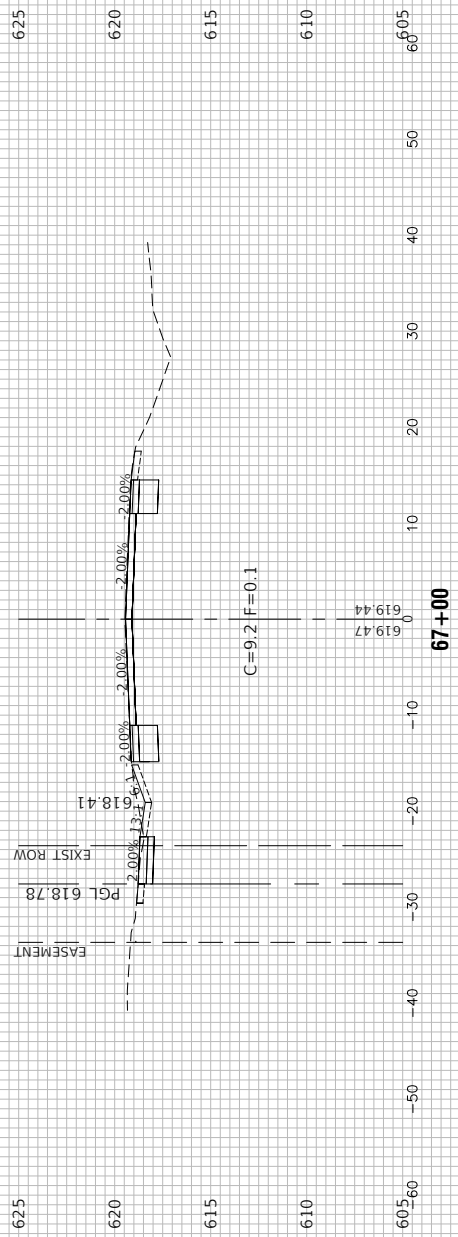
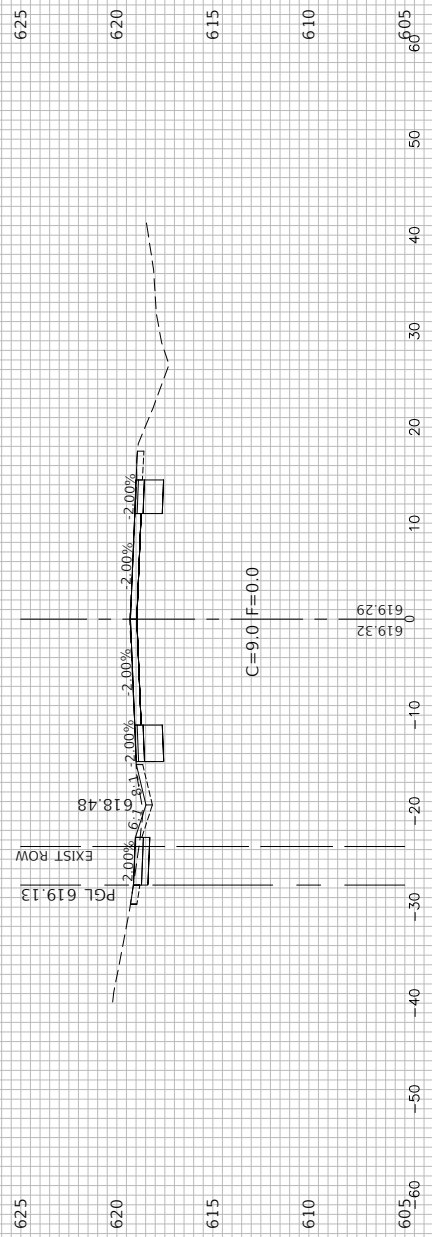
USER NAME =	DESIGNED -- MG	REVISED --
	CHECKED -- WPD	REVISED --
PLOT SCALE =	DRAWN -- MED	REVISED --
PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --

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CENTER STREET  
ROADWAY RESURFACING AND PEDESTRIAN ACCOMMODATIONS  
CROSS SECTIONS

SCALE: SHEET NO. 46 OF 49 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	46
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	NM5A(507)	



FILE NAME = 21-R0969-XSECT-01 - IDOT\_X(8)

USER NAME =  
 CHECKED — WPD  
 PLOT SCALE =  
 DRAWN — MED  
 PLOT DATE = 12-05-24  
 CHECKED — AG

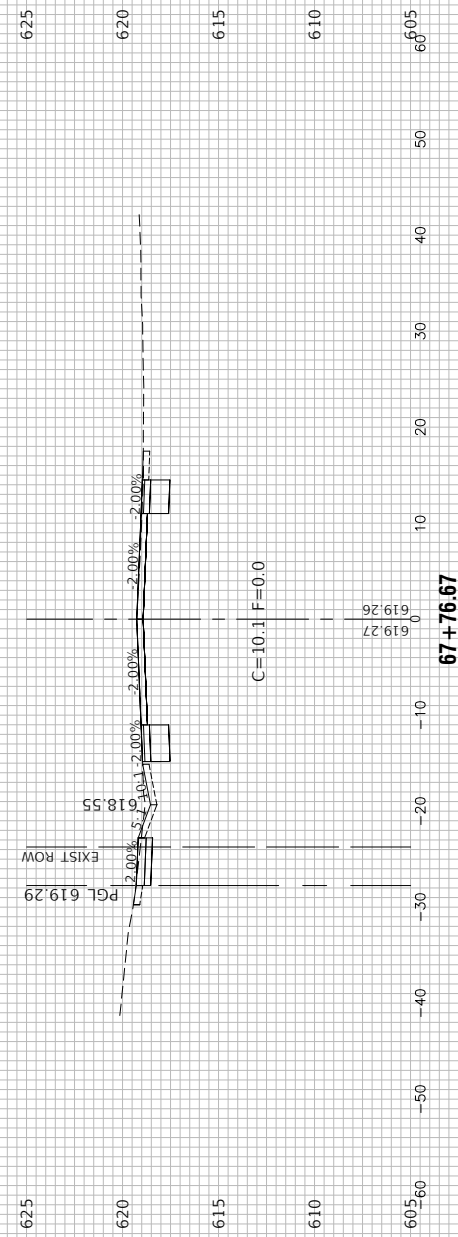
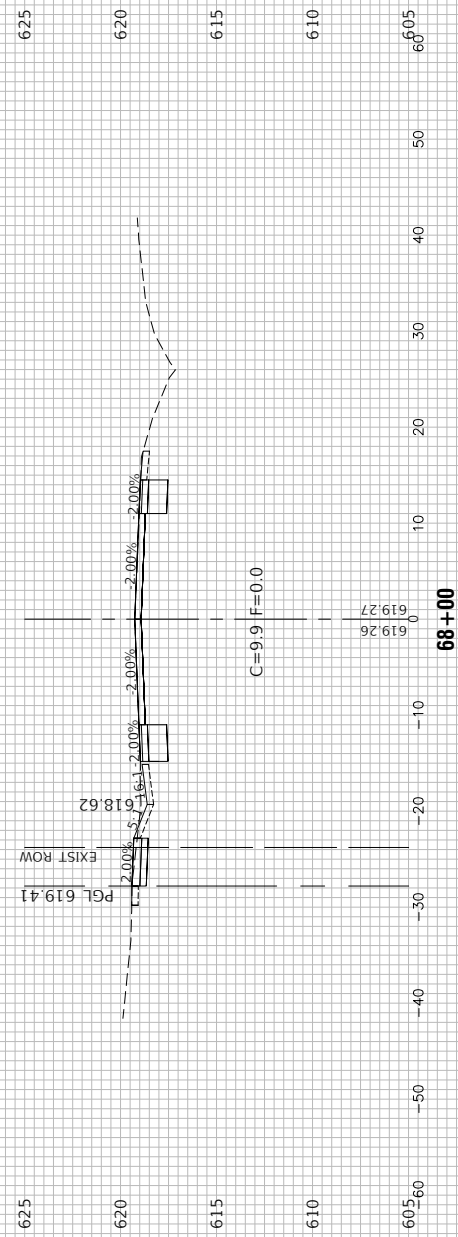
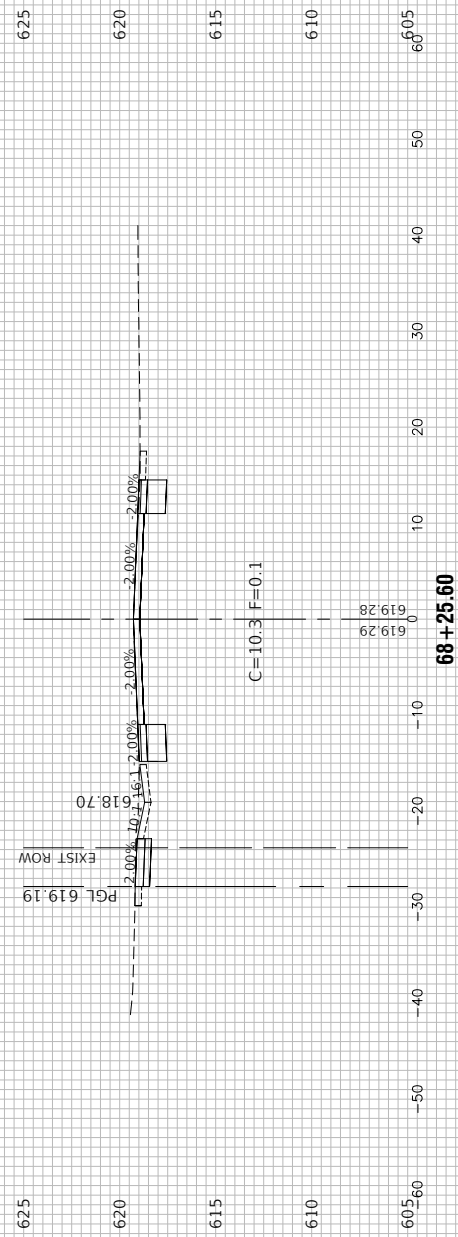
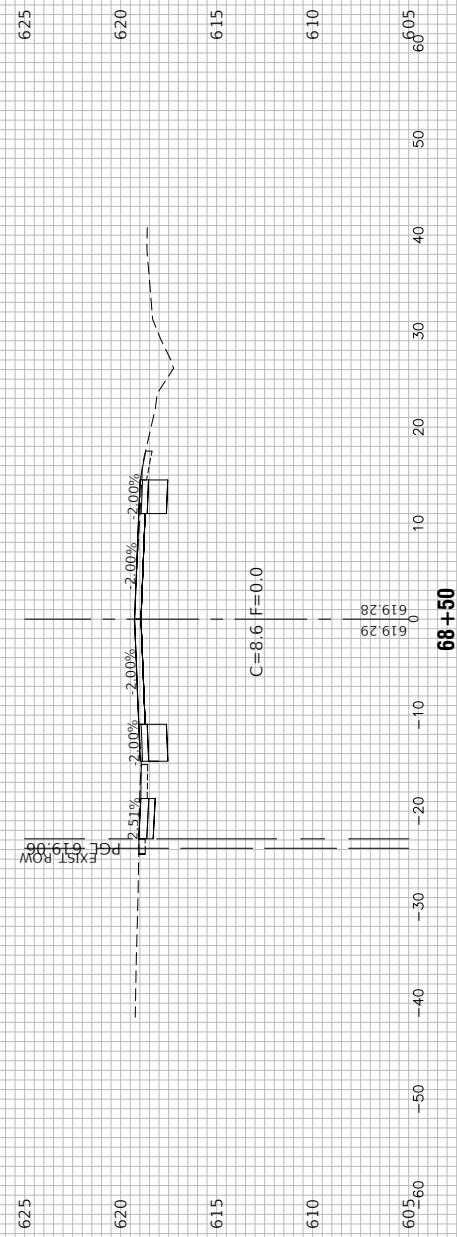
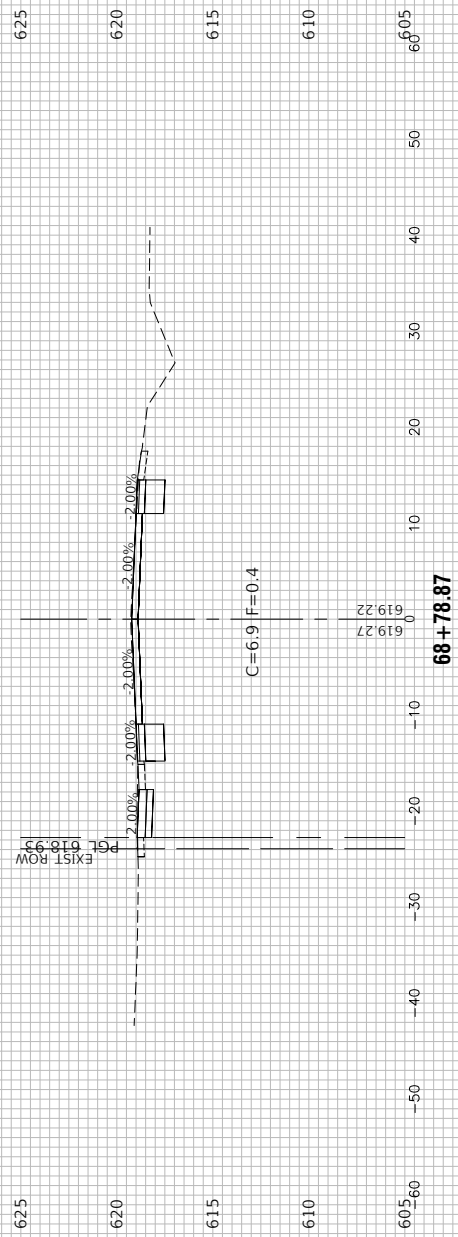
DESIGNED — MG  
 REVISIONS:  
 REVISIONS:  
 REVISIONS:

STATE OF ILLINOIS  
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CENTER STREET  
 ROADWAY RESURFACING AND PEDESTRIAN ACCOMMODATIONS  
 CROSS SECTIONS

SCALE: SHEET NO. 47 OF 49 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	47
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	NM5A(507)	



FILE NAME = 21-R0969-XSECT-01 - IDOT\_X(9)

USER NAME =	DESIGNED -- MG	REVISED --
	CHECKED -- WPD	REVISED --
PLOT SCALE =	DRAWN -- MED	REVISED --
PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --

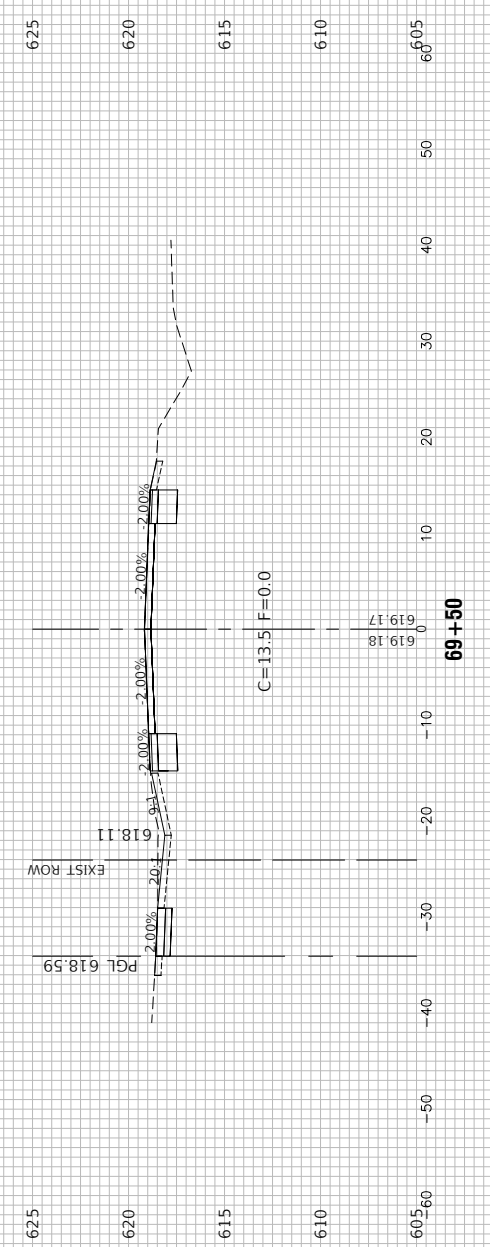
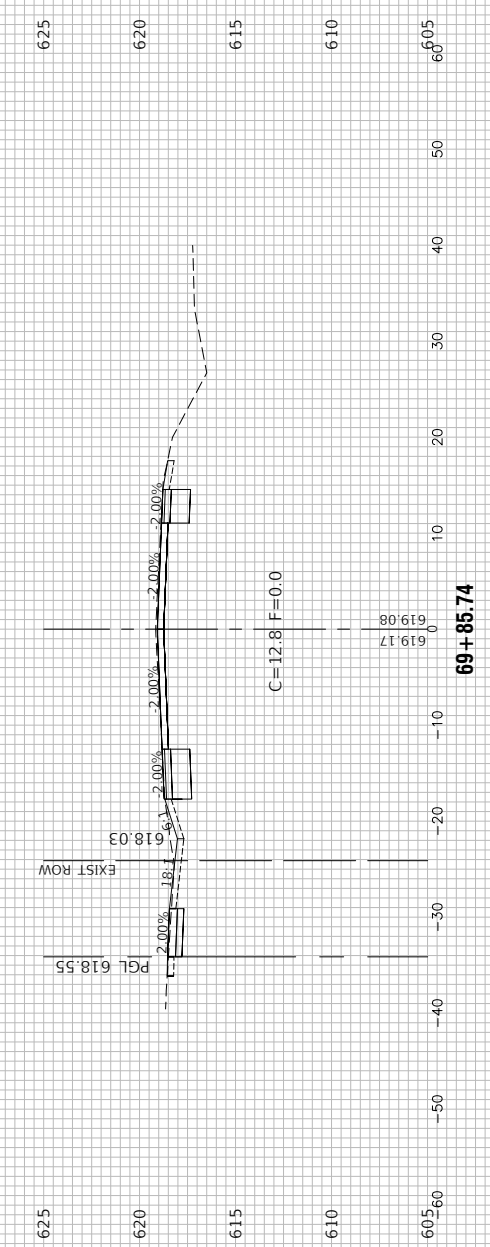
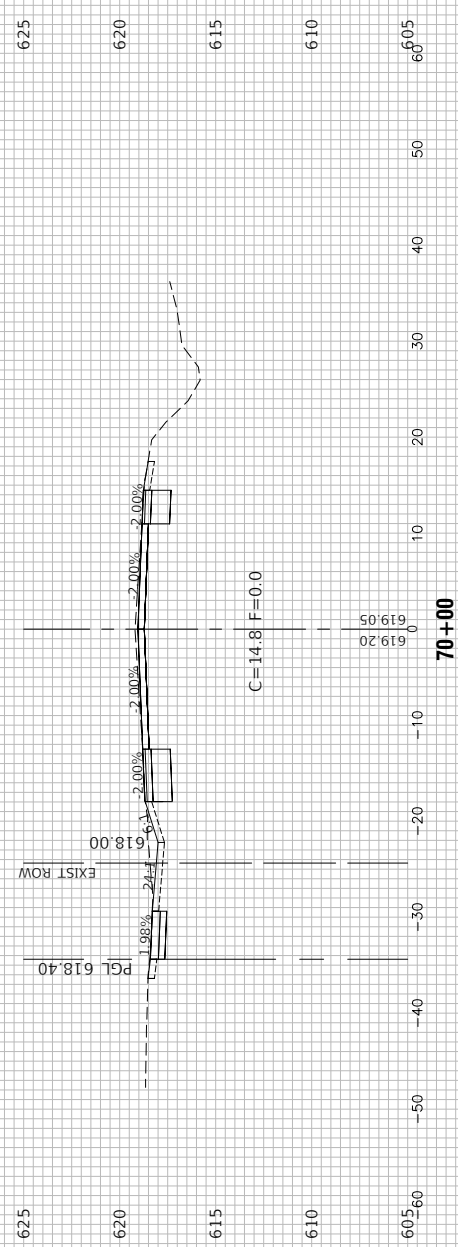
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CENTER STREET  
ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS  
CROSS SECTIONS

SCALE: SHEET NO. 48 OF 49 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	48
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	NM5A(507)	





FILE NAME = 21-R0969-XSECT-01 - IDOT_X1(10)	USER NAME =	DESIGNED -- MG	REVISED --
		CHECKED -- WPD	REVISED --
	PLOT SCALE =	DRAWN -- MED	REVISED --
	PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CENTER STREET  
ROADWAY RESURFACING AND PEDESTRIAN ACCOMODATIONS  
CROSS SECTIONS**

SCALE: SHEET NO. 49 OF 49 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1049	22-00026-00-RS	COOK	49	49
CONTRACT NO. 61L14				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	NM5A(507)	