02-27-2026 LETTING ITEM 006

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	1
	ILLINOIS	CONTRACT NO. 62V09		

* 86 + 4 = 90 TOTAL SHEETS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

FAP ROUTE 341 IL ROUTE 72 (HIGGINS RD)
AT HUNTINGTON BLVD
SECTION: FAP 341 23 IM
PROJECT: NHPP-CHCA(140)
INTERSECTION IMPROVEMENTS, TRAFFIC SIGNAL MODERNIZATION
COOK COUNTY

C-91-210-23

D-91-147-23

LOCATION OF SECTION INDICATED THUS: -

FOR INDEX OF SHEETS, SEE SHEET NO.2

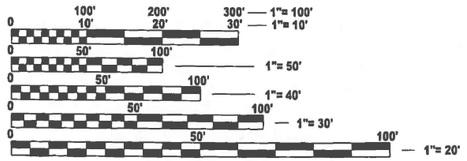
THIS PROJECT IS LOCATED IN THE VILLAGE OF HOFFMAN ESTATES

	SEAL
11/14/2025	
Chirstopher M. Prosperi, P.E. Date Lic. No. 062.065728 Expires: 11/30/2025 PERALTE CLARK (SHTS 34–41, 43–63)	
11/14/2025	SEAL
Thomas P. Paolicchi, P.E. Date Lic. No. 062.056747 Expires: 11/30/2025 ABNA ENGINEERING (SHTS 1–33, 42, 64–86)	THOMAS P. PAOLICCHI 062-056747 REGISTERED PROFESSIONAL ENGINEER OF STATE OF ILLINOIS

TRAFFIC DATA

ROAD NAME: IL ROUTE 72 (HIGGINS)
FUNCTIONAL CLASSIFICATION: OTHER PRINCIPAL ARTERIAL
POSTED SPEED:45 MPH
DESIGN SPEED: 50 MPH
2023 ADT = 21,300 -24,600 VPD

ROAD NAME: HUNTINGTON BLVD
FUNCTIONAL CLASSIFICATION: MINOR COLLECTOR
POSTED SPEED: 30 MPH
DESIGN SPEED: 35 MPH
2022 ADT = 4,250VPD



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.

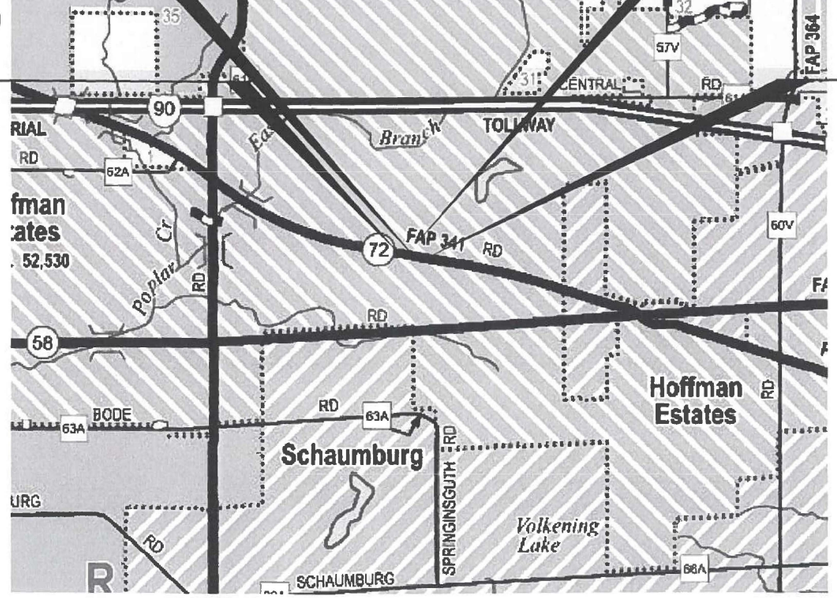
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

BEGIN HUNTINGTON BLVD IMPROVEMENT
STA 18 + 90.00

BEGIN HIGGINS RD IMPROVEMENT
STA 45 + 75.00

END HUNTINGTON BLVD IMPROVEMENT
STA 25 + 36.00

END HIGGINS RD IMPROVEMENT
STA 55 + 50.00



T41 N

R 10E

N

GROSS LENGTH = 1621 FT. = 0.307 MILE
NET LENGTH = 1621 FT. = 0.307 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Dec 5th 2025
REGIONAL ENGINEER

January 23 20 26
ENGINEER OF DESIGN AND ENVIRONMENT

January 23 20 26
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PROJECT MANAGER: VESELIN VELICHKOV, P.E 847-705-4432
PROJECT ENGINEER: LUKASZ POCIECHA, P.E 847-705-4255

CONTRACT NO. 62V09

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV-SEP

INDEX OF SHEETS

HIGHWAY STANDARDS

000001- 09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDE WALKS
424016-06	MID-BLOCK CURB RAMPS FOR SIDEWALKS
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602001-02	CATCH BASIN, TYPE A
602401-07	PRECAST MANHOLE, TYPE A, 4' (1.22 M) DIAMETER
604001-05	FRAME AND LIDS, TYPE 1
604006-05	FRAME AND GRATE, TYPE 3
604091-05	FRAME AND GRATE, TYPE 24
606001- 09	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606006-04	OUTLETS FOR CONCRETE CURB AND GUTTER TYPE B6
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS > 45 MPH TO 55 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS > 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≤ 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-11	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS MARKERS AND DELINEATORS
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780001-05	TYPICAL PAVEMENT MARKINGS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
876001-04	PEDESTRIAN PUSH BUTTON POST
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877002-04	STEEL MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS

GENERAL NOTES

1. ALL REFERENCES TO "HMA" = "HOT-MIX ASPHALT".
2. THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.
3. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

   *AT&T
   *BUCKEYE
   *COMCAST
   *COMED
   *NICOR
   *WESTSHORE PIPELINE
   *VILLAGE OF HOFFMAN ESTATES
   MEMBERS OF J.U.L.I.E. (800) 892-0123 ARE INDICATED BY *,
   NON J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

   THE CONTRACTOR SHALL ASSIST VILLAGE OF HOFFMAN ESTATES TO LOCATE THEIR WATER LINES BY PROVIDING LANE CLOSURE IF NEEDED.
4. ALL TEMPORARY PAVEMENT MARKINGS WILL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
5. PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKING ON ALL FINAL SURFACES.
6. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
7. ALL SIDE ROADS AND ENTRANCES WILL REMAIN OPEN.
8. STATIONING SHALL BE PLACED EVERY 50 FEET ON PROJECT BY ENGINEER WITH THE COOPERATION OF THE CONTRACTOR.
9. BEFORE BEGINNING ANY WORK THE CONTRACTOR SHALL RETAIN AND RECORD, FOR THE FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS AND AS DIRECTED BY ENGINEER.
10. THE AGGREGATE GRADATION FOR THE LOWER 9 INCHES OF AGGREGATE SUBGRADE IMPROVEMENT 12" SHALL BE CS 1 OR RR 1.
11. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
12. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
13. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
14. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
15. ANY AGGREGATE SUBGRADE CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
16. BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(B,C) OF THE SSRBC WILL NOT BE ALLOWED.
17. ALL MILLED SURFACES SHALL BE A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
18. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
19. LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT [OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)], WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
20. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
21. THE CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.
22. THE CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL DELIVER THE RECORD TO THE ENGINEER.
23. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
24. THE RESIDENT ENGINEER SHALL CONTACT AREA TRAFFIC FIELD ENGINEER, FADI SULTAN, VIA EMAIL AT FADI.SULTAN@ILLINOIS.GOV AT LEAST (2) TWO WEEKS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS.
25. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
26. OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.
27. SHORT TERM OR TEMPORARY PAVEMENT MARKINGS ON INTERMEDIATE SURFACES SHALL NOT BE REMOVED, UNLESS AUTHORIZED BY THE ENGINEER.
28. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOUR NOTIFICATION IS REQUIRED).
29. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, VILLAGE OF HOFFMAN ESTATES AND IDOT.
30. ALL EXISTING ROW SHOWN IS APPROXIMATE AND MAY NEED TO BE VERIFIED IN THE FIELD. ANY ROW CONFLICTS SHALL BE COORDINATED WITH THE RESIDENT ENGINEER. ALL PROPOSED WORK SHALL TAKE PLACE WITHIN EXISTING ROW.
31. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
32. THE ENGINEER SHALL CONTACT JOHN JANIKOWSKI, AREA TRAFFIC SIGNAL ENGINEER, AT JOHN.JANIKOWSKI@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

COMMITMENTS

NONE

MODEL: General notes1 [Sheet]
FILE NAME: J:\2024\6081W1\D162V09\CADD Data\Sheets\D162V09-sht-General Notes.dgn

ABNA DESIGN FIRM REG. 184.002117

USER NAME = galsallani	DESIGNED - CT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD INDEX OF SHEETS, HIGHWAY STANDARDS & GENERAL NOTES
	DRAWN - ABD	REVISED -		
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -		SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.
PLOT DATE = 1/22/2026	DATE - 01/10/2025	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	2
		CONTRACT NO. 62V09		
	ILLINOIS | FED. AID PROJECT			

REV-SEP

				CONSTRUCTION CODE			
				20% STATE 80% FED	10% STATE 80% FED	0% STATE 0% FED	
				0% VILLAGE	10% VILLAGE	100% VILLAGE	
CODE	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004	TRAFFIC SIGNALS 0021	TRAFFIC SIGNALS 0021	SAFETY NONE
20101100	TREE TRUNK PROTECTION	EACH	14	14			
20200100	EARTH EXCAVATION	CU YD	1550.9	1550.9			
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	372	372			
20800150	TRENCH BACKFILL	CU YD	14	14			
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	372	372			
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	458	458			
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	182	182			
21400100	GRADING AND SHAPING DITCHES	FOOT	1257	1257			
25000110	SEEDING, CLASS 1A	ACRE	0.25	0.25			
25000200	SEEDING, CLASS 2	ACRE	0.52	0.52			
25000210	SEEDING, CLASS 2A	ACRE	0.27	0.27			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	94	94			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	94	94			
25100630	EROSION CONTROL BLANKET	SQ YD	4128	4128			

* SPECIALTY ITEM

MODEL: SOQ 1 [Sheet]
FILE NAME: J:\2024\6081W1\D162V09\CADD Data\Sheets\D162V09-sht-SOQ.dgn

ABNA DESIGN FIRM REG. 184.002117

USER NAME = galsallani	DESIGNED - CT	REVISED -	
	DRAWN - ABD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -	
PLOT DATE = 9/8/2025	DATE - 01/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 1 OF 11 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	3
		CONTRACT NO. 62V09		
	ILLINOIS FED. AID PROJECT			

				CONSTRUCTION CODE			
				20% STATE 80% FED	10% STATE 80% FED	0% STATE 0% FED	
				0% VILLAGE	10% VILLAGE	100% VILLAGE	
CODE	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004	TRAFFIC SIGNALS 0021	TRAFFIC SIGNALS 0021	SAFETY NONE
25200110	SODDING, SALT TOLERANT	SQ YD	182	182			
25200200	SUPPLEMENTAL WATERING	UNIT	3	3			
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	96	96			
28000305	TEMPORARY DITCH CHECKS	FOOT	270	270			
28000400	PERIMETER EROSION BARRIER	FOOT	98	98			
28000500	INLET AND PIPE PROTECTION	EACH	14	14			
28000510	INLET FILTERS	EACH	10	10			
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	4633	4633			
* 30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	372	372			
* 30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	964	964			
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	95	95			
35501326	HOT-MIX ASPHALT BASE COURSE, 10 1/2"	SQ YD	640	640			
35600708	HOT-MIX ASPHALT BASE COURSE WIDENING, 8"	SQ YD	32	32			
35600718	HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/2"	SQ YD	67	67			

* SPECIALTY ITEM

ABNA DESIGN FIRM REG. 184.002117

USER NAME = galsailani	DESIGNED - CT	REVISED -			
	DRAWN - ABD	REVISED -			
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -			
PLOT DATE = 9/8/2025	DATE - 01/10/2025	REVISED -			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 2 OF 11 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	4
		CONTRACT NO. 62V09		
	ILLINOIS FED. AID PROJECT			

REV-SEP

				CONSTRUCTION CODE			
				20% STATE 80% FED	10% STATE 80% FED	0% STATE 0% FED	
				0% VILLAGE	10% VILLAGE	100% VILLAGE	
CODE	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004	TRAFFIC SIGNALS 0021	TRAFFIC SIGNALS 0021	SAFETY NONE
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	3300	3300			
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	12369	12369			
40600370	LONGITUDINAL JOINT SEALANT	FOOT	591	591			
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	2	2			
* 40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	245	245			
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	604	604			
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	1409	1409			
42001300	PROTECTIVE COAT	SQ YD	222	222			
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1988	1988			
42400800	DETECTABLE WARNINGS	SQ FT	151	151			
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	13359	13359			
44000300	CURB REMOVAL	FOOT	56	56			
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	470	470			
44000600	SIDEWALK REMOVAL	SQ FT	1527	1527			

* SPECIALTY ITEM

				CONSTRUCTION CODE			
				20% STATE 80% FED	10% STATE 80% FED	0% STATE 0% FED	
				0% VILLAGE	10% VILLAGE	100% VILLAGE	
CODE	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004	TRAFFIC SIGNALS 0021	TRAFFIC SIGNALS 0021	SAFETY NONE
* 44002218	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 4 1/2"	SQ YD	2499	2499			
44004250	PAVED SHOULDER REMOVAL	SQ YD	641	641			
44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	2499	2499			
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1			
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1			
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	6	6			
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	351	351			
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	70	70			
55100900	STORM SEWER REMOVAL 18"	FOOT	15	15			
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	15	15			
60200305	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	2	2			
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	2	2			
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5	5			
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	1.8	1.8			

* SPECIALTY ITEM

				CONSTRUCTION CODE			
				20% STATE 80% FED	10% STATE 80% FED	0% STATE 0% FED	
				0% VILLAGE	10% VILLAGE	100% VILLAGE	
CODE	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004	TRAFFIC SIGNALS 0021	TRAFFIC SIGNALS 0021	SAFETY NONE
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	2366	2366			
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	96	96			
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1			
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1			
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	3	3			
67100100	MOBILIZATION	L SUM	1	1			
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	60	60			
70300100	SHORT TERM PAVEMENT MARKING	FOOT	6468	6468			
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2375	2375			
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	300	300			
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	7392	7392			
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	3087	3087			

* SPECIALTY ITEM

MODEL: SOQ 5 [Sheet]
FILE NAME: J:\2024\6B1W1\D162V09\CADD Data\Sheets\D162V09-sht-SOQ.dgn

ABNA DESIGN FIRM REG. 184.002117

USER NAME = mconroy	DESIGNED - CT	REVISED -	
	DRAWN - ABD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -	
PLOT DATE = 7/17/2025	DATE - 01/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 5 OF 11 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	7
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		

REV-SEP

				CONSTRUCTION CODE			
				20% STATE 80% FED	10% STATE 80% FED	0% STATE 0% FED	
				0% VILLAGE	10% VILLAGE	100% VILLAGE	
CODE	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004	TRAFFIC SIGNALS 0021	TRAFFIC SIGNALS 0021	SAFETY NONE
70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	1998	1998			
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	2374	2374			
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	383	383			
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	604	604			
70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	40	40			
* 72000100	SIGN PANEL - TYPE 1	SQ FT	103		103		
* 72000200	SIGN PANEL - TYPE 2	SQ FT	88		88		
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	2		2		
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	127		127		
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	300	300			
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3360	3360			
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1403	1403			
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	999	999			
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1079	1079			

* SPECIALTY ITEM

MODEL: SOQ 6 [Sheet]
FILE NAME: J:\2024\6081W1\D162V09\CADD Data\Sheets\D162V09-sht-SOQ.dgn

ABNA DESIGN FIRM REG. 184.002117

USER NAME = mconroy	DESIGNED - CT	REVISED -	
	DRAWN - ABD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -	
PLOT DATE = 7/17/2025	DATE - 01/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 6 OF 11 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	8
		CONTRACT NO. 62V09		
	ILLINOIS FED. AID PROJECT			

				CONSTRUCTION CODE			
				20% STATE 80% FED	10% STATE 80% FED	0% STATE 0% FED	
				0% VILLAGE	10% VILLAGE	100% VILLAGE	
CODE	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004	TRAFFIC SIGNALS 0021	TRAFFIC SIGNALS 0021	SAFETY NONE
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	174	174			
* 78006100	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	34	34			
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	41	41			
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	41	41			
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	8962	8962			
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	855		855		
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	166		166		
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	877		877		
81400100	HANDHOLE	EACH	3		3		
81400200	HEAVY-DUTY HANDHOLE	EACH	4		4		
81400300	DOUBLE HANDHOLE	EACH	3		3		
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2		2		
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2975		2975		
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2973		2973		

* SPECIALTY ITEM

MODEL: SOQ 7 [Sheet]
FILE NAME: J:\2024\81W1\D162V09\CADD Data\Sheets\D162V09-sht-SOQ.dgn

ABNA DESIGN FIRM REG. 184.002117

USER NAME = mconroy	DESIGNED - CT	REVISED -
	DRAWN - ABD	REVISED -
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -
PLOT DATE = 7/17/2025	DATE - 01/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 7 OF 11 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	9
		CONTRACT NO. 62V09		
	ILLINOIS FED. AID PROJECT			

REV-SEP

				CONSTRUCTION CODE			
				20% STATE 80% FED	10% STATE 80% FED	0% STATE 0% FED	
				0% VILLAGE	10% VILLAGE	100% VILLAGE	
CODE	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004	TRAFFIC SIGNALS 0021	TRAFFIC SIGNALS 0021	SAFETY NONE
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3134		3134		
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3281		3281		
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1240		1240		
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2162		2162		
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	69		69		
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1088		1088		
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4		4		
87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1		1		
87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1		1		
87700310	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1		1		
87702980	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	1		1		
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20		20		
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4		
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	54		54		

* SPECIALTY ITEM

				CONSTRUCTION CODE			
				20% STATE 80% FED	10% STATE 80% FED	0% STATE 0% FED	
				0% VILLAGE	10% VILLAGE	100% VILLAGE	
CODE	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004	TRAFFIC SIGNALS 0021	TRAFFIC SIGNALS 0021	SAFETY NONE
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8		8		
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5		5		
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3		3		
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3		3		
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	12		12		
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	11		11		
88500100	INDUCTIVE LOOP DETECTOR	EACH	11		11		
88600100	DETECTOR LOOP, TYPE I	FOOT	1060		1060		
88800100	PEDESTRIAN PUSH-BUTTON	EACH	2		2		
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1		
89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	3			3	
89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1			1	
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	16097		16097		
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1		

* SPECIALTY ITEM

				CONSTRUCTION CODE			
				20% STATE 80% FED	10% STATE 80% FED	0% STATE 0% FED	
				0% VILLAGE	10% VILLAGE	100% VILLAGE	
CODE	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004	TRAFFIC SIGNALS 0021	TRAFFIC SIGNALS 0021	SAFETY NONE
89502380	REMOVE EXISTING HANDHOLE	EACH	8		8		
89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1		1		
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	11		11		
K1005418	TEMPORARY SEEDING	ACRE	0.96	0.96			
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	580			580	
X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	7914		7914		
X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1		1		
X1400216	LAYER II (DATALINK) SWITCH	EACH	1		1		
X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	7		7		
X1400368	RELOCATE EXISTING PTZ CAMERA	EACH	1		1		
X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	3		3		
X5427602	REMOVE EXISTING FLARED END SECTION	EACH	1	1			
☐ X5538000	STORM SEWERS TO BE CLEANED 18"	FOOT	79	79			
☐ X5538100	STORM SEWERS TO BE CLEANED 21"	FOOT	69	69			

* SPECIALTY ITEM

☐ NON-PART 100% STATE

MODEL: SOQ 10 [Sheet]
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ABNA DESIGN FIRM REG. 184.002117

USER NAME = mconroy	DESIGNED - CT	REVISED -	
	DRAWN - ABD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -	
PLOT DATE = 7/17/2025	DATE - 01/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 10 OF 11 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	12
		CONTRACT NO. 62V09		
	ILLINOIS FED. AID PROJECT			

REV-SEP

				CONSTRUCTION CODE			
				20% STATE 80% FED	10% STATE 80% FED	0% STATE 0% FED	
				0% VILLAGE	10% VILLAGE	100% VILLAGE	
CODE	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS	TRAFFIC SIGNALS	SAFETY
				0004	0021	0021	NONE
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	6	6			
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			
X8710029	FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE	FOOT	8066		8066		
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	12		12		
X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	40		40		
X8809005	LED SIGNAL FACE, LENS COVER	EACH	19		19		
X8950103	RELOCATE EXISTING TRAFFIC SIGNAL CONTROLLER AND CABINET, COMPLETE	EACH	1		1		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
☐ Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	1	1			
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	154.2	154.2			
Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1		1		
X8900104	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1		1		
Ø Z0076600	TRAINEES	HOUR	500	500			
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500			

* SPECIALTY ITEM

Ø 0042

☐ NON-PART 100% STATE

MODEL: SOQ 11 [Sheet]
FILE NAME: J:\2024\6081\W1\D162V09\CADD Data\Sheets\D162V09-sht-SOQ.dgn

ABNA DESIGN FIRM REG. 184.002117

USER NAME = galsailani	DESIGNED - CT	REVISED -	
	DRAWN - ABD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -	
PLOT DATE = 11/14/2025	DATE - 01/10/2025	REVISED -	

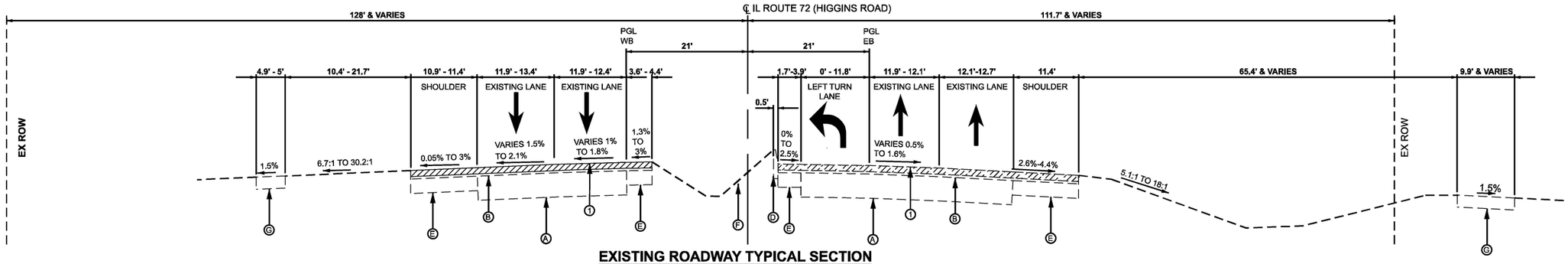
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 11 OF 11 SHEETS | STA. | TO STA.

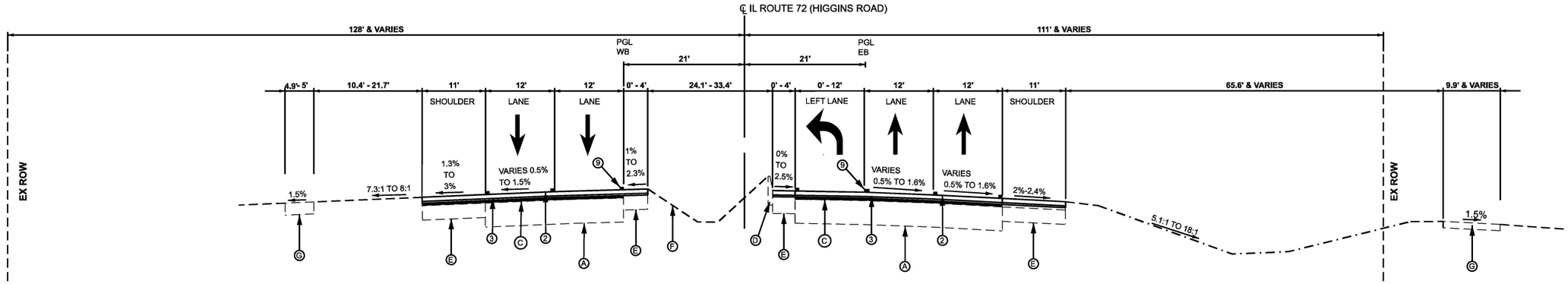
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	13
		CONTRACT NO. 62V09		
	ILLINOIS FED. AID PROJECT			

REV-SEP



EXISTING ROADWAY TYPICAL SECTION

(LOOKING EAST)
STA 45+75.00 TO STA 50+00.00



PROPOSED ROADWAY TYPICAL SECTION

(LOOKING EAST)
STA 45+75.00 TO STA 50+00.00

NOTES

1. THE CONTRACTOR SHALL PATCH PRIOR TO MILLING.
2. LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON P HMA BC IL-4.75 N50.

EXISTING LEGEND

- Ⓐ EXISTING P.C.C. BASE 10"
- Ⓑ EXISTING HMA SURFACE 3 1/2"
- Ⓒ EXISTING HMA SURFACE (REMAINING)1"
- Ⓓ EXISTING CURB & GUTTER
- Ⓔ EXISTING HMA SHOULDER
- Ⓕ EXISTING GRASS MEDIAN
- Ⓖ EXISTING P.C.C. SIDEWALK
- Ⓗ EXISTING P.C.C. SIDEWALK REMOVAL

PROPOSED LEGEND

- ① PROPOSED HMA SURFACE REMOVAL - 2 1/2"
- ② PROPOSED POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4"
- ③ PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50 3/4"
- ④ PROPOSED HMA BASE COURSE, 10 1/2" AND HMA BASE COURSE WIDENING, 10 1/2"
- ⑤ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑥ PROPOSED COMB C&G TYPE B.6-12
- ⑦ PROPOSED P.C.C. SIDEWALK 5 INCH
- ⑧ PROPOSED TOPSOIL AND EXCAVATION, SEEDING, CLASS 2 OR SEEDING, CLASS 2A
- ⑨ PROPOSED PAVEMENT MARKING

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @Ndesign	QMP
MAINLINE PAVEMENT (RESURFACING)		
1 3/4" POLYMERIZED HMA SURFACE COURSE, SMA, 9.5 MIX "F", N80	3.5% @ 80 Gyr.	QC/QA
3/4" POLYMERIZED HMA BINDER COURSE, IL-4.75, N50	3.5% @ 50 Gyr.	QC/QA
MAINLINE PAVEMENT (WIDENING)		
1 3/4" POLYMERIZED HMA SURFACE COURSE, SMA, 9.5 MIX "F", N80	3.5% @ 80 Gyr.	QC/QA
3/4" POLYMERIZED HMA BINDER COURSE, IL-4.75, N50	3.5% @ 50 Gyr.	QC/QA
HMA BASE COURSE WIDENING (HMA BINDER IL-19.0) 10 1/2"	4% @ 70 Gyr.	QC/QA
HMA BASE COURSE (HMA BINDER IL-19.0) 10 1/2"	4% @ 70 Gyr.	QC/QA
HUNTINGTON WIDENING		
1 3/4" POLYMERIZED HMA SURFACE COURSE, SMA, 9.5 MIX "F", N80	3.5% @ 80 Gyr.	QC/QA
3/4" POLYMERIZED HMA BINDER COURSE, IL-4.75, N50	3.5% @ 50 Gyr.	QC/QA
HMA BASE COURSE, 8" (HMA BINDER IL-19.0)	4% @ 70 Gyr.	QC/QA
HMA BASE COURSE WIDENING 8" (HMA BINDER IL-19.0)	4% @ 70 Gyr.	QC/QA
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 Gyr.	QC/QA
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	4% @ 70 Gyr.	QC/QA
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA): QUALITY CONTROL FOR PERFORMANCE (QCP): PAY FOR PERFORMANCE (PFP).		
NOTE: 1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN. 2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.		

MODEL: Typical-2 [Sheet]
FILE NAME: J:\2024\60811W1\D162V09\CADD Data\Sheets\D162V09-sht-Typicals-1.dgn

ABNA DESIGN FIRM REG. 184.002117

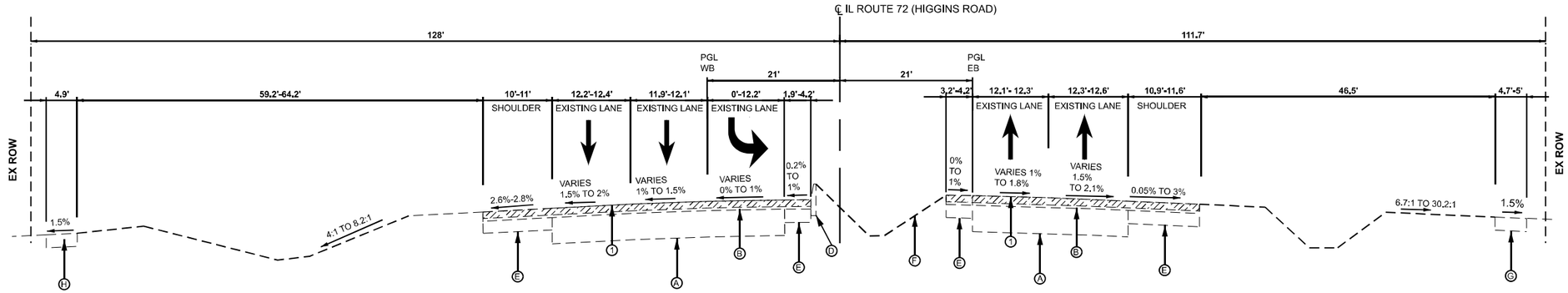
USER NAME = galsallani	DESIGNED - CT	REVISED -	
	DRAWN - ABD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -	
PLOT DATE = 1/22/2026	DATE - 01/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
TYPICAL SECTION

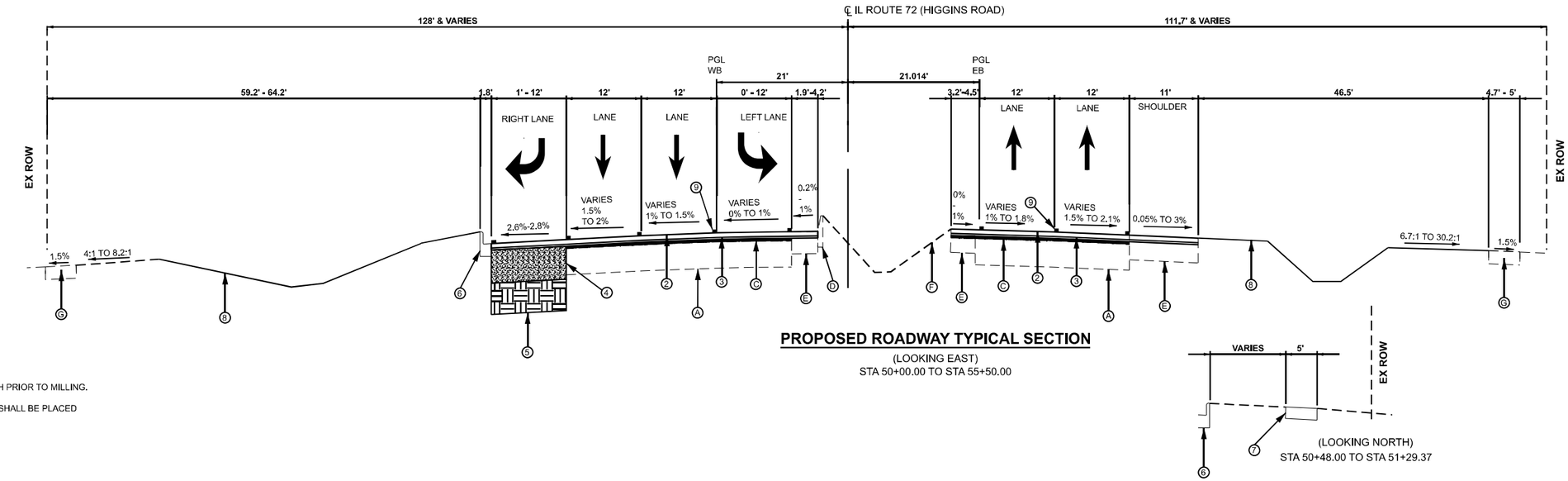
SCALE: NTS | SHEET 1 OF 3 SHEETS | STA. 45+75.00 | TO STA. 50+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	14
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		



EXISTING ROADWAY TYPICAL SECTION

(LOOKING EAST)
STA 50+00.00 TO STA 55+50.00



PROPOSED ROADWAY TYPICAL SECTION

(LOOKING EAST)
STA 50+00.00 TO STA 55+50.00

(LOOKING NORTH)
STA 50+48.00 TO STA 51+29.37

NOTES

1. THE CONTRACTOR SHALL PATCH PRIOR TO MILLING.
2. LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON P HMA BC IL-4.75 N50.

EXISTING LEGEND

- (A) EXISTING P.C.C. BASE 10"
- (B) EXISTING HMA SURFACE 3 1/2"
- (C) EXISTING HMA SURFACE (REMAINING)1"
- (D) EXISTING CURB & GUTTER
- (E) EXISTING HMA SHOULDER
- (F) EXISTING GRASS MEDIAN
- (G) EXISTING P.C.C. SIDEWALK
- (H) EXISTING P.C.C. SIDEWALK REMOVAL

PROPOSED LEGEND

- (1) PROPOSED HMA SURFACE REMOVAL - 2 1/2"
- (2) PROPOSED POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4"
- (3) PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50 3/4"
- (4) PROPOSED HMA BASE COURSE, 10 1/2" OR HMA BASE COURSE WIDENING, 10 1/2"
- (5) PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 12"
- (6) PROPOSED COMB C&G TYPE B,6-12
- (7) PROPOSED P.C.C. SIDEWALK 5 INCH
- (8) PROPOSED TOPSOIL AND EXCAVATION, SEEDING, CLASS 2 OR SEEDING, CLASS 2A
- (9) PROPOSED PAVEMENT MARKING

MODEL: TYPICAL-03 [Sheet]
FILE NAME: J:\2024\6081\W1\D162V09\CADD Data\Sheets\D162V09-sht-Typicals-1.dgn

ABNA DESIGN FIRM REG. 184.002117

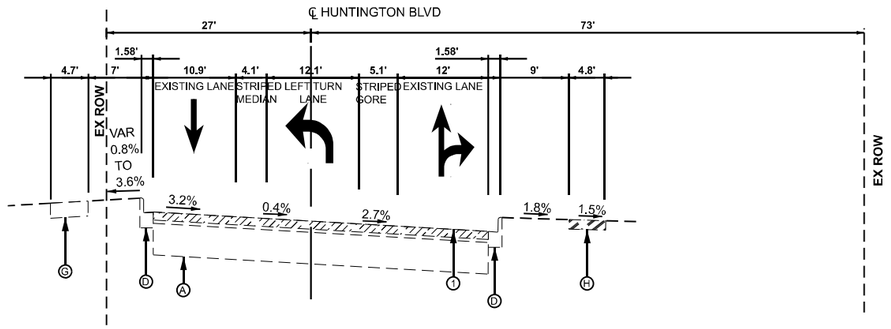
USER NAME = mconroy	DESIGNED - CT	REVISED -	
	DRAWN - ABD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -	
PLOT DATE = 7/17/2025	DATE - 01/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
TYPICAL SECTION

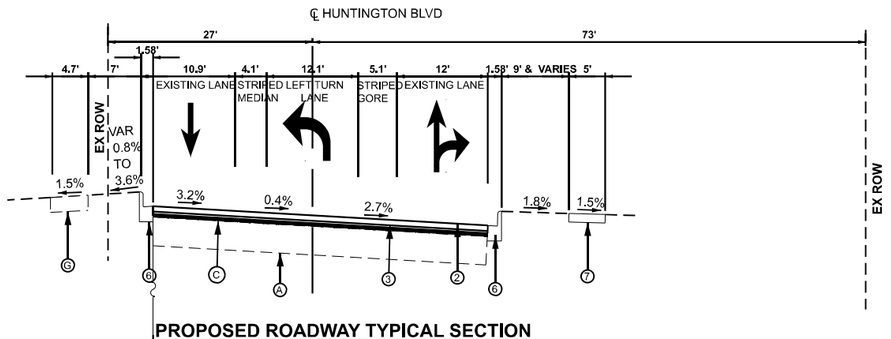
SCALE: NTS | SHEET 2 OF 3 SHEETS | STA. 50+00.00 | TO STA. 55+50.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	15
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		



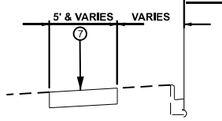
EXISTING ROADWAY TYPICAL SECTION

(LOOKING NORTH)
STA 18+90.00 TO STA 19+00.00



PROPOSED ROADWAY TYPICAL SECTION

(LOOKING NORTH)
STA 18+90.00 TO STA 20+00.00



(LOOKING NORTH)
STA 19+20.00 TO STA 19+60.00

EXISTING LEGEND

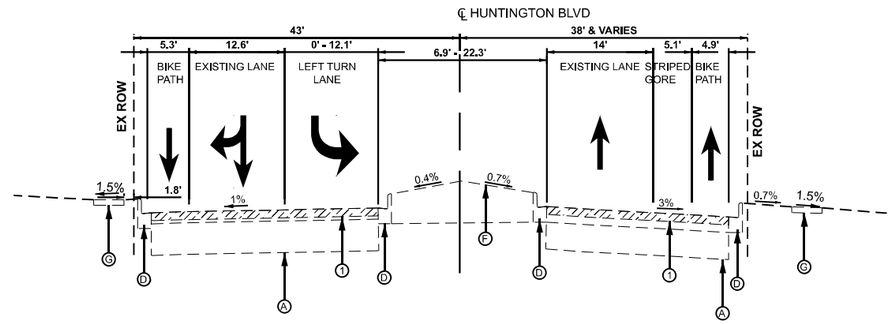
- Ⓐ EXISTING HMA 10" (WITH 1.5" SURFACE)
- Ⓑ NOT USED
- Ⓒ EXISTING HMA SURFACE (REMAINING)1"
- Ⓓ EXISTING CURB & GUTTER
- Ⓔ EXISTING HMA SHOULDER
- Ⓕ EXISTING GRASS MEDIAN
- Ⓖ EXISTING P.C.C. SIDEWALK
- Ⓗ EXISTING P.C.C. SIDEWALK REMOVAL

PROPOSED LEGEND

- ① PROPOSED HMA SURFACE REMOVAL - 2 1/2"
- ② PROPOSED POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4"
- ③ PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50 3/4"
- ④ PROPOSED HMA BASE COURSE, 8" OR HMA BASE COURSE WIDENING, 8"
- ⑤ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑥ PROPOSED COMB C&G TYPE B.6-12
- ⑦ PROPOSED P.C.C. SIDEWALK 5 INCH
- ⑧ PROPOSED TOPSOIL AND EXCAVATION, SEEDING, CLASS 2 OR SEEDING, CLASS 2A
- ⑨ SEE PROPOSED PAVEMENT MARKING SEE PLANS

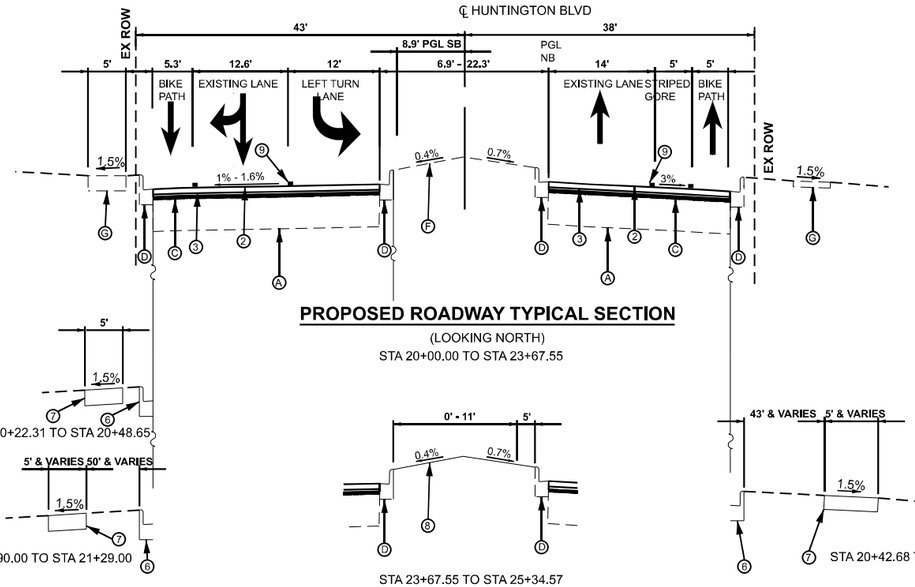
NOTES

1. THE CONTRACTOR SHALL PATCH PRIOR TO MILLING.
2. LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON P HMA BC IL-4.75 N50.



EXISTING ROADWAY TYPICAL SECTION

(LOOKING NORTH)
STA 20+00.00 TO STA 25+36.00



PROPOSED ROADWAY TYPICAL SECTION

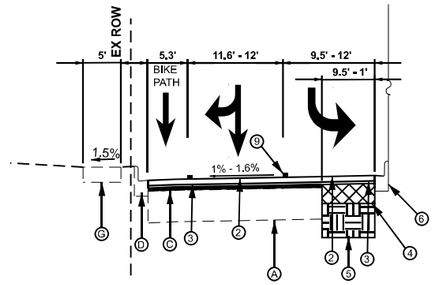
(LOOKING NORTH)
STA 20+00.00 TO STA 23+67.55

STA 20+22.31 TO STA 20+48.65

STA 20+90.00 TO STA 21+29.00

STA 23+67.55 TO STA 25+34.57

STA 20+42.68 TO STA 20+75.75



STA 23+60.00 TO STA 25+36.00

MODEL: TYPICAL-4 [Sheet]
FILE NAME: J:\2024\6081W1\D162V09\CADD Data\Sheets\D162V09-sht-Typicals-1.dgn

ABNA DESIGN FIRM REG. 184.002117

USER NAME = galsallani	DESIGNED - CT	REVISED -	
	DRAWN - ABD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -	
PLOT DATE = 1/22/2026	DATE - 01/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
TYPICAL SECTION

SCALE: NTS | SHEET 3 OF 3 SHEETS | STA. 18+90.00 | TO STA. 25+36.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	16
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF EARTHWORK

IL-72 (HIGGINS)

STATION	Total Earth Excavation	Earth Excavation Adjusted for Shrinkage	Embankment	Earthwork Balance Waste (+) or Shortage (-)
(XX+XX)	(CU. YD.)	(CU. YD.)	(CU. YD.)	(CU. YD.)
47+50.00				
	8.06	6.85	0	0
48+00.00				
	30.72	0	0	0
48+50.00				
	59.63	0	0	0
49+00.00				
	40.14	0	0	0
49+50.00				
	13.94	0	0	0
50+00.00				
	51.96	0	0	0
50+50.00				
	92.63	78.74	5.65	73.09
51+00.00				
	93.89	79.81	11.87	67.94
51+50.00				
	135.84	115.46	13.02	102.44
52+00.00				
	156.21	132.78	11.07	121.71
52+50.00				
	157.78	134.11	6.04	128.07
53+00.00				
	156.48	133.01	3.69	129.32
53+50.00				
	172.99	147.04	1.93	145.11
54+00.00				
	171.65	145.90	0	145.90
54+50.00				
	114.20	97.07	0	97.07
55+00.00				
	41.46	35.24	0	35.24
55+50.00				
	0	0	0	0
56+00.00				
TOTAL	1497.6	1106.0	53.3	1045.9

NOTE
1) ALL EXCAVATION SOIL IS CLEAN AND THERE IS 0 NON-SPECIAL WASTE DISPOSAL ON THIS JOB.

SCHEDULE OF EARTHWORK

IL-72 (HUNTINGTON)

STATION	Total Roadway Excavation	Total Earth Excavation	Earth Excavation Adjusted for Shrinkage
(XX+XX)	(CU. YD.)	(CU. YD.)	(CU. YD.)
23+50.00			
	3.07	3.07	2.61
24+00.00			
	8.51	8.51	7.23
24+50.00			
	12.40	12.40	10.54
25+00.00			
	8.36	8.36	7.11
25+50.00			
TOTAL	32.3	32.3	27.5

TOTAL EXC HUNTINGTON & HIGGINS	1529.9

MODEL: Sch [Sheet]
FILE NAME: J:\2024\6081W1\D162V09\CADD Data\Sheets\D162V09-sht-Sch.dgn

ABNA DESIGN FIRM REG. 184.002117

USER NAME = aasyed	DESIGNED - CT	REVISED -	
	DRAWN - ABD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -	
PLOT DATE = 2/3/2025	DATE - 01/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
SCHEDULES OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	17
		CONTRACT NO. 62V09		
		ILLINOIS	FED. AID PROJECT	

EX CURVE
PI STA = 26+25.88
Δ = 57°25'42" (RT)
D = 19°09'14"
R = 299.13'
T = 163.87'
L = 299.83'
E = 41.94'
e = ____
PC STA = 24+62.02
PT STA = 27+61.84

EX CURVE
PI STA = 22+62.66
Δ = 42°52'43" (LT)
D = 19°57'23"
R = 287.10'
T = 112.74'
L = 214.86'
E = 21.34'
e = ____
PC STA = 21+49.91
PT STA = 23+64.78

PI STA 26+25.88
PC STA 24+62.02
PT STA 23+64.78
PC STA 21+49.91
PI STA 22+62.66

CONTROL POINT #3
PROPOSED ℄ HUNTINGTON BLVD
PROPOSED ℄ HUNTINGTON BLVD
CONTROL POINT #2
PROPOSED ℄ HUNTINGTON BLVD

BENCHMARKS

BENCHMARK #1
BOX IN THE S.W. CORNER CONC BASE
OF TRAFFIC CONTROL BOX IN THE N.E
CORNER OF IL-72 & HUNTTINGTON BLVD
E = 1962307.4955
N = 1042153.0705
ELEV = 816.2057

BENCHMARK #2
R.R SPIKE IN P.POLE S.SIDE OF IL 72
± 250' W OF HUNTINGTON BLVD
EAST SIDE OF ENTRANCE
N = 1962170.5188
E = 1041838.1159
ELEV = 820.71

BENCHMARK#3
TOP OF R.O.W MONUMENT (CONC)
IN THE S.E. CORNER OF IL-72 &
HUNTINGTON BLVD.
N = 1962101.4587
E = 1042191.4784
ELEV = 824.3429

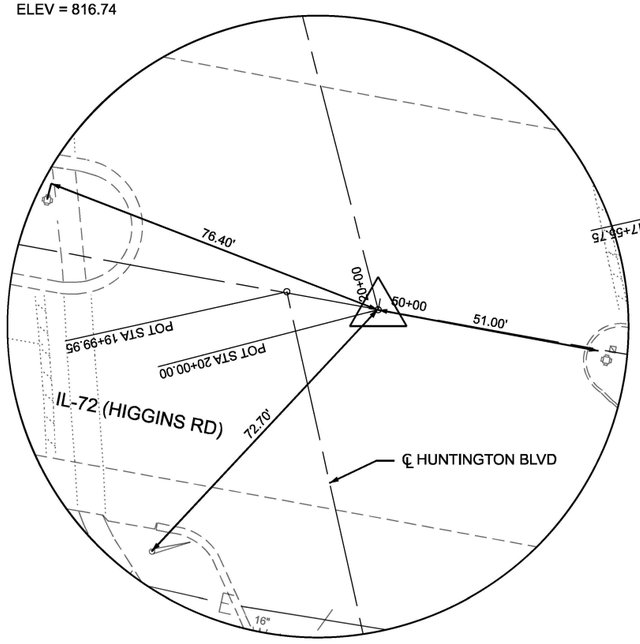
N
0 50 100 150
SCALE IN FEET

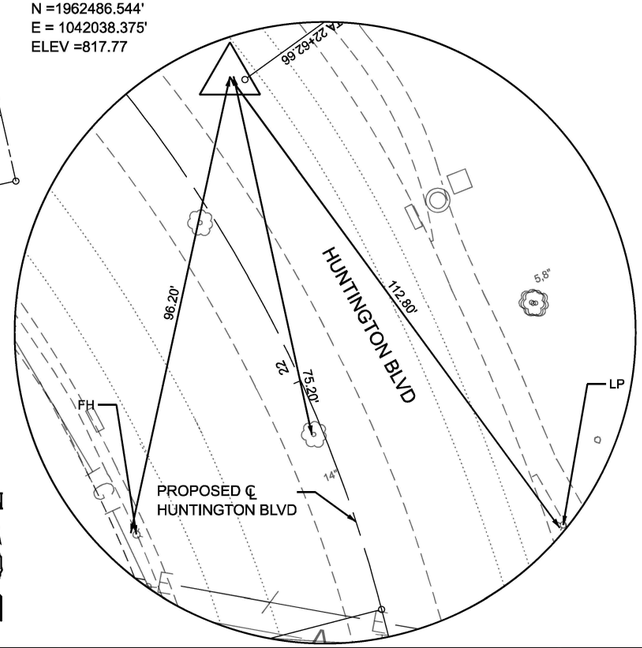
STA. 50+00.00 (IL-72)
STA. 20+00.00 (HUNTINGTON BLVD)
CONTROL POINT #1
PROPOSED ℄ IL-72
STA. 49+79.64 (IL-72)
STA. 19+99.95 (DRIVEWAY)
PROPOSED ℄ IL-72
PROPOSED ℄ IL-72
POT STA 20+00.00
POT STA 19+99.95
POT STA 59+62.85

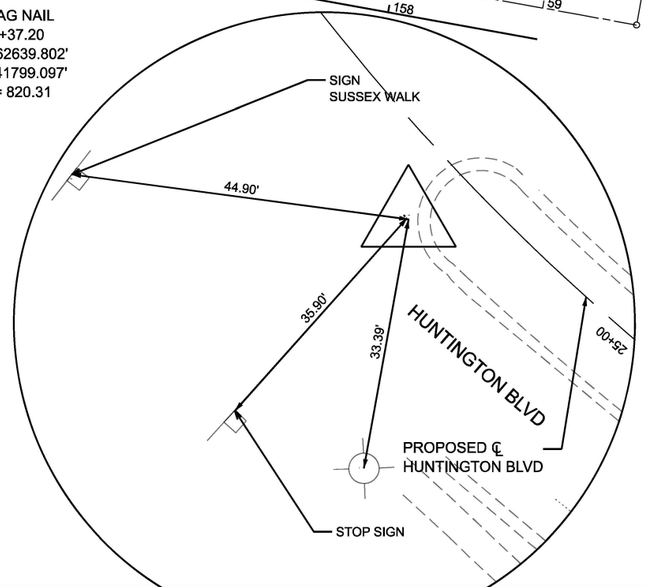
CONTROL POINT #1
SET MAG NAIL
STA. 20+00.00
N = 1042104.059
E = 1962232.234
ELEV = 816.74

CONTROL POINT #2
SET MAG NAIL
STA. 22+60.38
N =1962486.544'
E = 1042038.375'
ELEV =817.77

CONTROL POINT #3
SET MAG NAIL
STA 25+37.20
N = 1962639.802'
E = 1041799.097'
ELEV = 820.31







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ABNA DESIGN FIRM REG. 184.002117

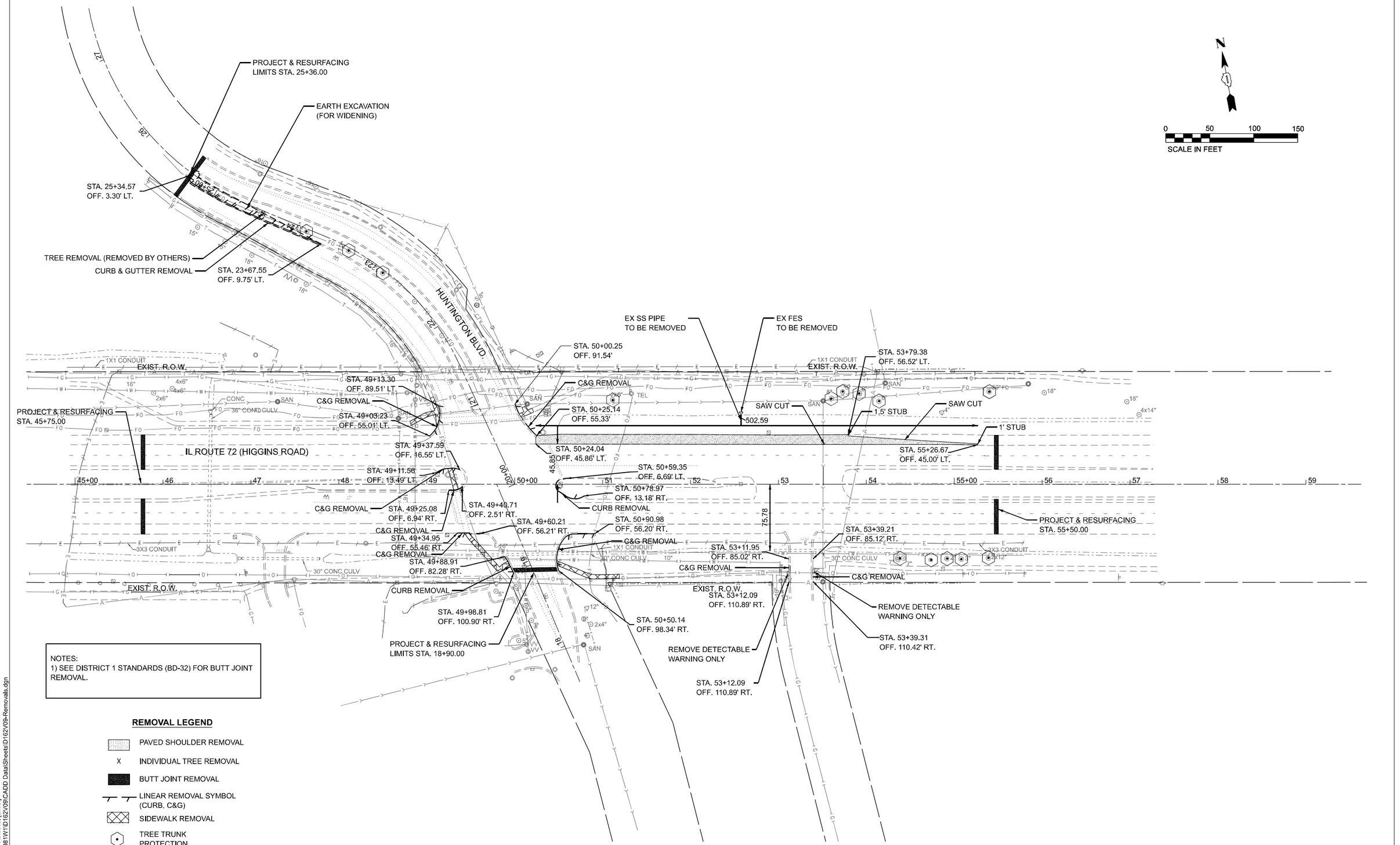
USER NAME = mconroy	DESIGNED - CT	REVISED - ####
	DRAWN - ABD	REVISED - ####
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED - ####
PLOT DATE = 7/17/2025	DATE - 01/10/2025	REVISED - ####

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
ALIGNMENT TIES AND BENCHMARKS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	18
		CONTRACT NO. 62V09		
	ILLINOIS FED. AID PROJECT			



NOTES:
1) SEE DISTRICT 1 STANDARDS (BD-32) FOR BUTT JOINT REMOVAL.

REMOVAL LEGEND

- PAVED SHOULDER REMOVAL
- X — INDIVIDUAL TREE REMOVAL
- BUTT JOINT REMOVAL
- LINEAR REMOVAL SYMBOL (CURB, C&G)
- SIDEWALK REMOVAL
- TREE TRUNK PROTECTION

MODEL: Plan 50 Scale Removal [sheet]
FILE NAME: J:\2024\60811W1\D162V09\CADD Data\Sheets\D162V09-Removals.dgn

ABNA DESIGN FIRM REG. 184.002117

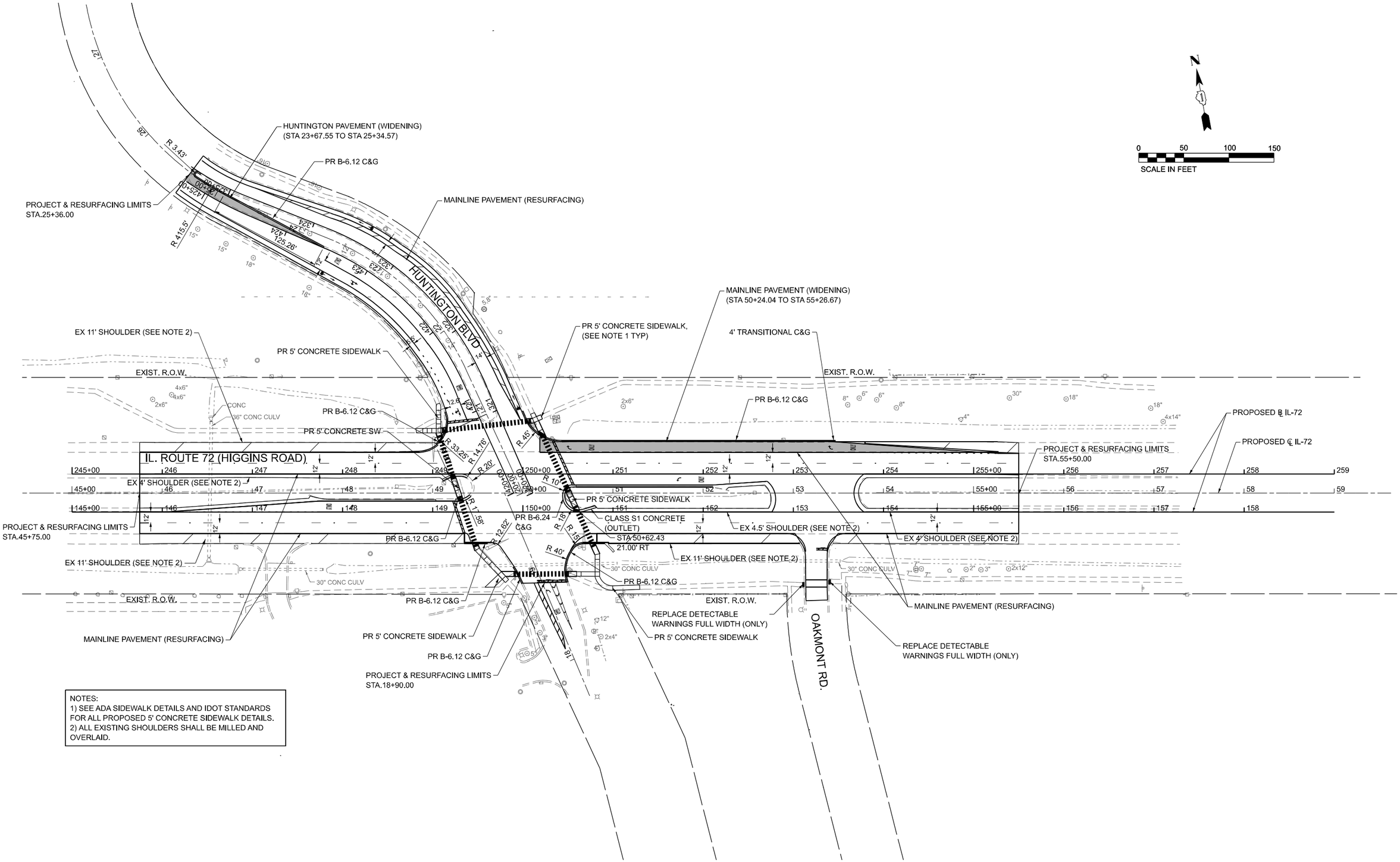
USER NAME = mconroy	DESIGNED - CT	REVISED - ####	
	DRAWN - ABD	REVISED - ####	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED - ####	
PLOT DATE = 7/17/2025	DATE - 01/10/2025	REVISED - ####	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
REMOVAL PLAN

SCALE: #### | SHEET 1 OF 1 SHEETS | STA. 0+00.00 TO STA. 40+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	19
		CONTRACT NO. 62V09		
		ILLINOIS	FED. AID PROJECT	



NOTES:
1) SEE ADA SIDEWALK DETAILS AND IDOT STANDARDS FOR ALL PROPOSED 5' CONCRETE SIDEWALK DETAILS.
2) ALL EXISTING SHOULDERS SHALL BE MILLED AND OVERLAID.

MODEL: Plan 50 Design [sheet]
FILE NAME: J:\2024\6081W1\D162V09\CADD Data\Sheets\D162V09-Design.dgn

ABNA
DESIGN FIRM REG. 184.002117

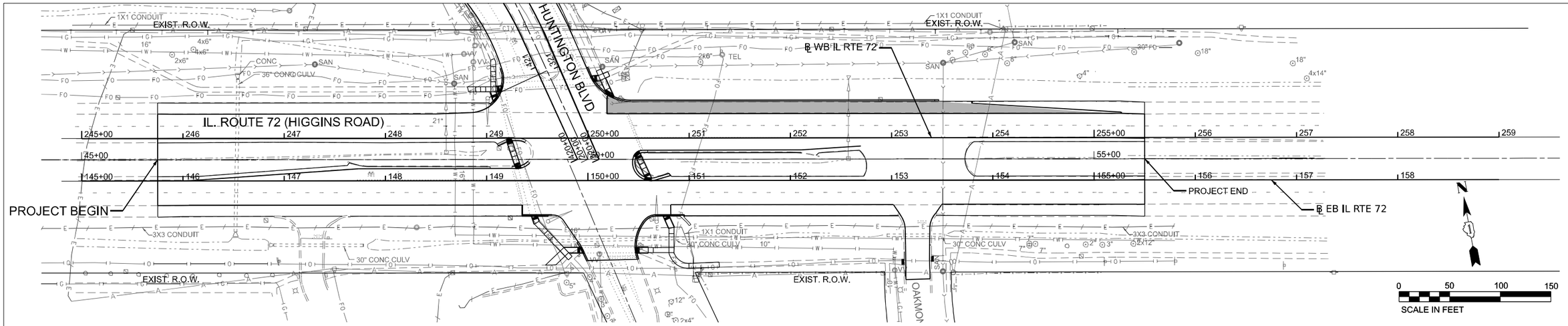
USER NAME = galsailani	DESIGNED - CT	REVISED -
	DRAWN - ABD	REVISED -
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -
PLOT DATE = 9/2/2025	DATE - 01/10/2025	REVISED -

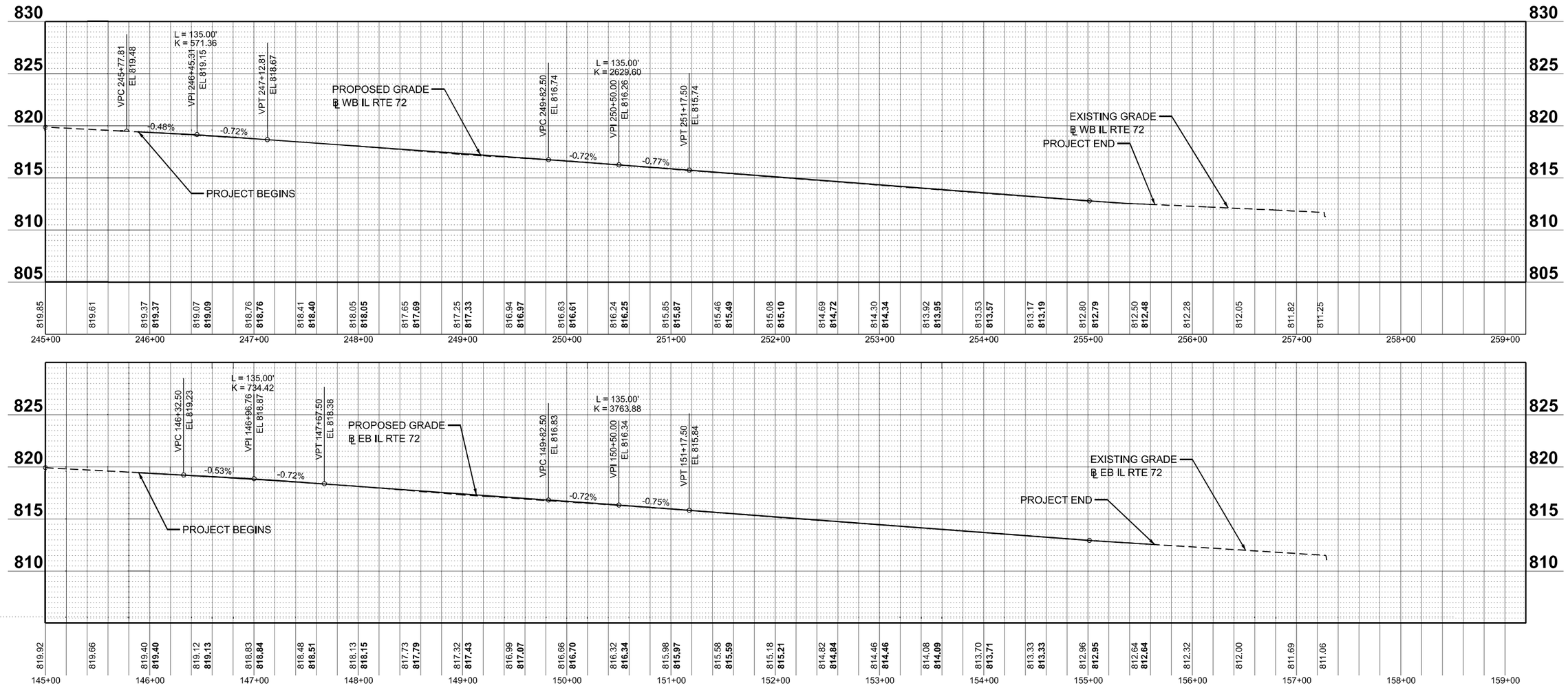
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
ROADWAY PLAN

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 0+00.00 | TO STA. 40+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	20
		CONTRACT NO. 62V09		
	ILLINOIS FED. AID PROJECT			





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ABNA
DESIGN FIRM REG. 184.002117

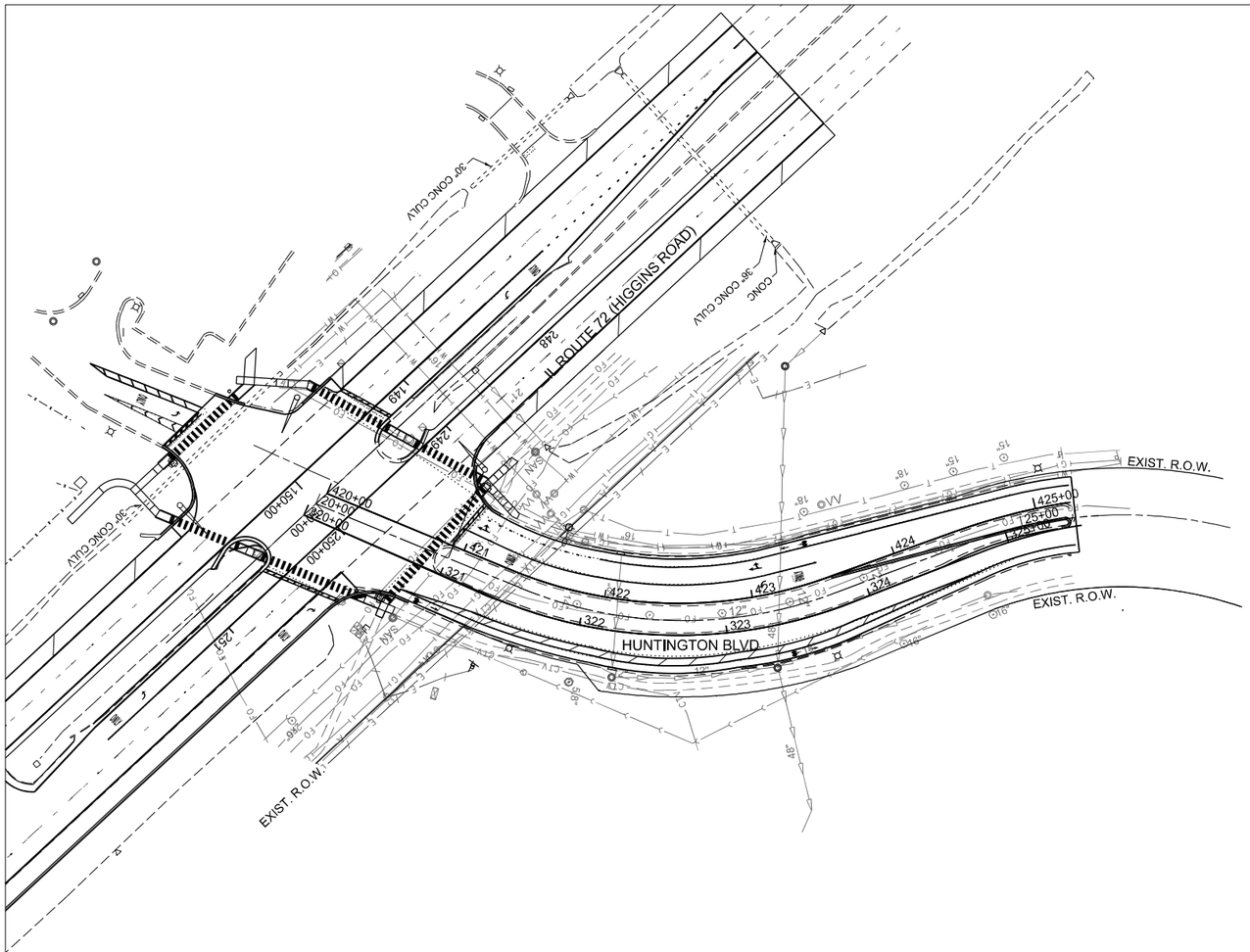
USER NAME = galsallani	DESIGNED - CT	REVISED -	
	DRAWN - ABD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -	
PLOT DATE = 11/12/2025	DATE - 01/10/2025	REVISED -	

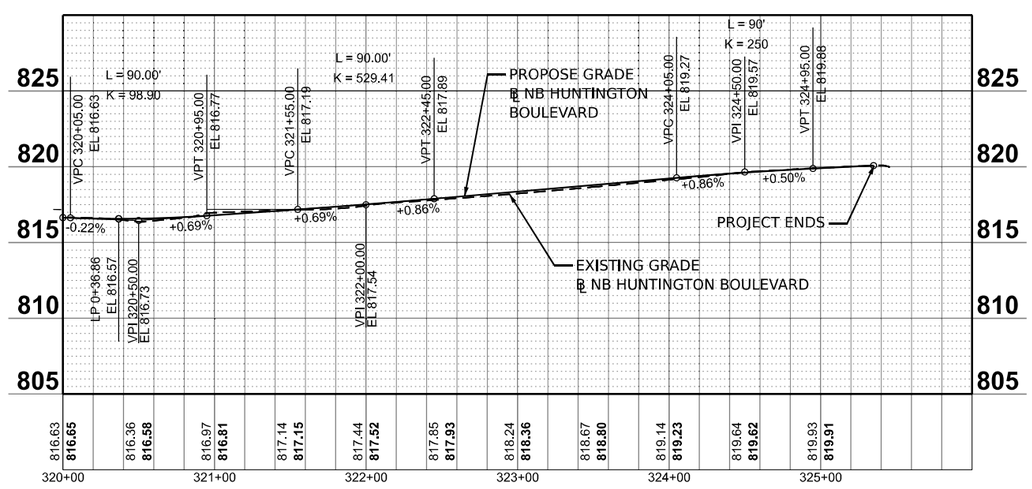
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

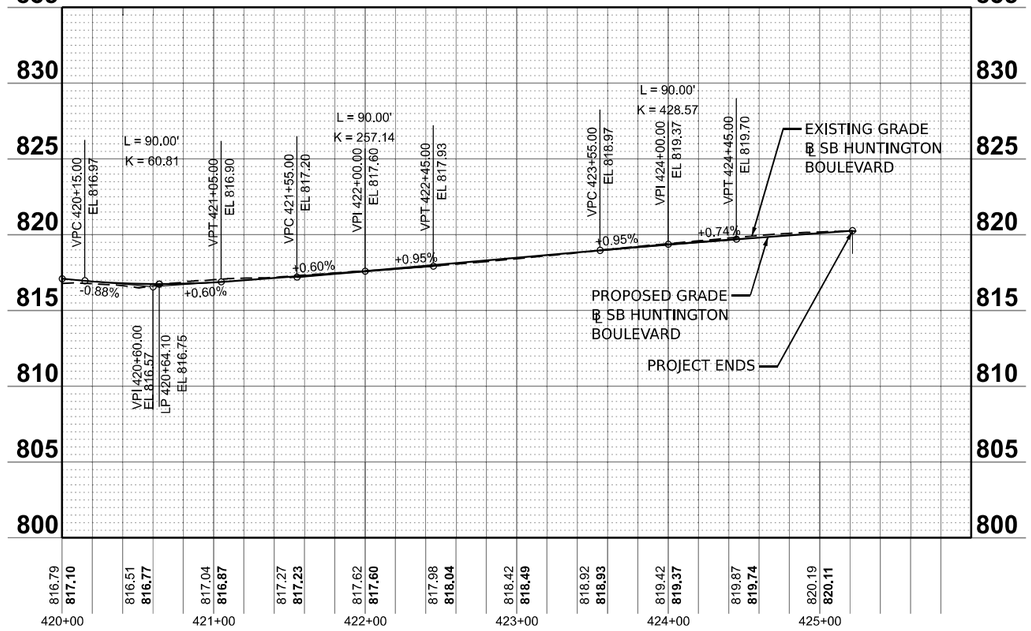
IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
ROADWAY PROFILE

SCALE:1"=50' | SHEET 1 OF 2 SHEETS | STA. 45+00.00 | TO STA. 59+20.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	21
		CONTRACT NO. 62V09		
		ILLINOIS	FED. AID PROJECT	







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ABNA DESIGN FIRM REG. 184.002117	USER NAME = galsailani	DESIGNED - CT	REVISED - ####	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD ROADWAY PROFILE	
		DRAWN - ABD	REVISED - ####			
	PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED - ####		SCALE:1"=50' SHEET 1 OF 2 SHEETS STA. 20+00.00 TO STA. 26+00.00	
	PLOT DATE = 11/12/2025	DATE - 01/10/2025	REVISED - ####			

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	22
		CONTRACT NO. 62V09		
		ILLINOIS FED. AID PROJECT		

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. THE PERMANENT TRAFFIC CONTROL DEPICTED HEREIN IS THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES AS SPECIFIED IN THE HIGHWAY STANDARDS AS SHOWN IN THE INDEX OF SHEETS AND THE SPECIAL PROVISIONS SHALL BE PLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. ALL TRAFFIC CONTROL DEVICES SHALL BE CONSIDERED INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (ARTERIALS) (D1) UNLESS OTHERWISE INDICATED WITHIN THESE GENERAL NOTES, PLANS OR SPECIAL PROVISIONS.

2. THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE ALL SIGNS AND SIGN SUPPORTS REQUIRED FOR TRAFFIC CONTROL AND PROTECTION.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING LABOR, SIGNS AND TRAFFIC CONTROL DEVICES NECESSARY FOR THE MAINTENANCE OF TRAFFIC UNLESS NOTED OTHERWISE IN THE SPECIAL PROVISIONS.

4. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

5. WORK ZONE SPEED LIMIT SHALL BE 40 MPH.

6. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH THE DESIGNATED TRAFFIC CONTROL PLAN.

7. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN TRAFFIC IN ACCORDANCE WITH THE TRAFFIC CONTROL PLANS, SPECIAL PROVISIONS, APPLICABLE STATE STANDARDS, AND AS DIRECTED BY THE ENGINEER. ANY CHANGES TO THE TRAFFIC CONTROL SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO IMPLEMENTING ANY CHANGES.

8. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL PROMPTLY RESPOND AT THE TIME OF NOTIFICATION BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC CONTROL DEVICES.

9. THE ENGINEER SHALL BE INFORMED A MINIMUM OF 48 HOURS IN ADVANCE OF ANY PROPOSED CHANGE TO THE SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN.

10. ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER SEVEN (7) DAYS OF SERVICE SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. ALL MARKINGS THAT REQUIRE REPLACEMENT PRIOR TO SEVEN (7) DAYS OF SERVICE OR REPLACEMENT SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.

11. ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED, COVERED OR TURNED AWAY FROM THE TRAFFIC IMMEDIATELY WHEN THEY ARE NO LONGER NECESSARY.

12. IMMEDIATELY AFTER THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL RESTORE ALL PERMANENT PAVEMENT MARKINGS, SIGNS, AND OTHER TRAFFIC CONTROL DEVICES THAT WERE COVERED, REMOVED, DAMAGED OR OTHERWISE AFFECTED BY CONSTRUCTION.

13. THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY DRAINAGE AND EROSION CONTROL PROTECTION DURING ALL PHASES OF CONSTRUCTION.

14. WHEN WORKING ADJACENT TO THE ROAD AND UTILIZING DAILY LANE CLOSURES, DROP-OFFS ADJACENT TO THE TRAVEL LANES SHALL BE KEPT TO A MINIMUM. PROTECTION OF THE DROP-OFF SHALL BE ACCORDING TO THE IDOT BUREAU OF SAFETY PROGRAMS AND ENGINEERING, SAFETY ENGINEERING POLICY MEMORANDUM 4-21. DROP-OFFS GREATER THAN THE SPECIFIED MAXIMUM DROP-OFF DEPTH SHOWN IN TABLE 2, CONDITION II OF THE SAFETY 4-21 POLICY WILL NOT BE ALLOWED AT LOCATIONS WHERE THE DROP-OFF IS LOCATED WITHIN 8 FT OF THE EDGE OF THE NEAREST OPEN TRAFFIC LANE. THE CONTRACTOR WILL BE REQUIRED TO PERFORM THE EXCAVATION REQUIRED FOR THE CONSTRUCTION DURING THE TIME THAT THE ADJACENT LANE IS CLOSED. AS NOTED ABOVE, PRIOR TO REOPENING THE LANE TO TRAFFIC, THE CONTRACTOR SHALL PLACE SUFFICIENT MATERIAL TO REDUCE THE DROP-OFF TO LESS THAN THE SPECIFIED MAXIMUM DROP-OFF DEPTH SHOWN IN TABLE 2, CONDITION II OF THE SAFETY 4-21 POLICY AND ENSURE THAT THE DROP-OFF AREAS MEET THE OFFSET, HEIGHT, AND DURATION REQUIREMENTS TO USE BARRICADES/DRUMS AT THE END OF EACH WORKDAY. THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE THE AMOUNT OF WORK THAT CAN BE COMPLETED WITHIN THE TIME OF THE DAILY LANE CLOSURE. IF THE ABOVE REQUIREMENTS CAN'T BE MET, AND IT IS DETERMINED THAT OVERNIGHT LANE CLOSURES AND/OR TEMPORARY CONCRETE BARRIER WALL INSTALLATION WILL BE NECESSARY, THEN IDOT WRITTEN APPROVAL WILL BE REQUIRED PRIOR TO THE INSTALLATION OF THESE ITEMS. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO COMPLY WITH THIS REQUIREMENT. WHERE POSITIVE PROTECTION (TEMPORARY CONCRETE BARRIER PER STD. 704001) IS PROVIDED, THIS REQUIREMENT IS NULLIFIED.

Table 2, Condition II

Drop-off Near the Edge of Traveled Way

Existing Road Type	Normal Posted Speed Limit, NPSL (mph)	Drop-off Depth, D (in.)	TCB is Warranted(2)	Use of TCB may be warranted, based on traffic exposure.(2)	Maximum Allowable Total Traffic (Both Directions)Without TCB (3)
2L2W	Up to 35	12 ≤ D ≤ 18		Yes(1)	3.02
2L2W	Up to 35	18 < D ≤ 24		Yes(1)	2.39
2L2W	Up to 35	24 < D ≤ 36		Yes(1)	2.08
2L2W	Up to 35	D > 36	Yes(1)		
2L2W	35<NPSL≤45	12 ≤ D ≤ 18		Yes(1)	1.42
2L2W	35<NPSL≤40	18 < D ≤ 24		Yes(1)	1.12
2L2W	> 45	D > 12	Yes(1)		
4L2W	Up to 35	12 ≤ D ≤ 18		Yes(1)	9.31
4L2W	Up to 35	18 < D ≤ 24		Yes(1)	7.30
4L2W	Up to 35	24 < D ≤ 36		Yes(1)	6.25
4L2W	Up to 35	> 36	Yes(1)		
4L2W	35<NPSL≤45	12 ≤ D ≤ 18		Yes(1)	3.43
4L2W	35<NPSL≤40	18 < D ≤ 24		Yes(1)	2.94
4L2W	> 45	D ≥ 12	Yes(1)		
All	>45	D < 12	No (2)		
All	>45	D ≥ 12	Yes		

SEQUENCING NOTES:

STAGE-1:

STAGE 1 WILL CONSIST OF WIDENING ON THE NORTH SIDE OF IL 72 EAST OF HUNTINGTON BLVD AS WELL AS CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT, ADA RAMP IMPROVEMENTS, AND SIGNAL MODIFICATIONS ON ALL FOUR CORNERS OF THE INTERSECTION. THE BICYCLIST-ACTIVATED PUSH BUTTON WILL BE INSTALLED ON THE SOUTHEAST CORNER OF THE INTERSECTION. WESTBOUND AND EASTBOUND TRAFFIC WILL RETAIN ITS CURRENT CONFIGURATION, AS WILL NORTH AND SOUTHBOUND TRAFFIC. SOUTHBOUND LANES ON HUNTINGTON BLVD WILL BE WIDENED BY REMOVING A PORTION, OF THE WEST SIDE, OF THE MEDIAN BARRIER, WIDENING WILL INCLUDE CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT. WORK ON THE SOUTH SIDE OF IL 72 AND ON HUNTINGTON BLVD WILL BE COMPLETED USING THE HIGHWAY STANDARDS FOR TRAFFIC CONTROL.

EXISTING PEDESTRIAN ROUTES SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL FOLLOW IDOT HIGHWAY STANDARD 701801 TO GUIDE PEDESTRAINS WHEN SIDEWALKS OR CROSSWALKS ARE CLOSED. THE NEAREST CROSSINGS ARE ~0.75 MILES WEST AT GOVERNORS LN OR ~0.65 MILES EAST AT GANNON DR.

STAGE-2:

STAGE 2 WILL CONSIST OF SIDEWALK AND ADA IMPROVEMENTS ON THE WEST MEDIAN ON IL ROUTE 72 AS WELL AS THE ADDITION OF SIDEWALK AND ADA CURB RAMPS ON THE EAST MEDIAN ON IL ROUTE 72. THIS WORK CAN BE COMPLETED USING THE HIGHWAY STANDARDS FOR TRAFFIC CONTROL.

EXISTING PEDESTRIAN ROUTES SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL FOLLOW IDOT HIGHWAY STANDARD 701801 TO GUIDE PEDESTRAINS WHEN SIDEWALKS OR CROSSWALKS ARE CLOSED. THE NEAREST CROSSINGS ARE ~0.75 MILES WEST AT GOVERNORS LN OR ~0.65 MILES EAST AT GANNON DR.

STAGE-3:

STAGE 3 WILL CONSIST OF RESURFACING IL ROUTE 72 AND HUNTINGTON BLVD AND A NEW CROSSWALK ON THE EAST LEG. THIS WORK CAN BE COMPLETED USING THE APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL.

MODEL: MOT General Notes [Sheet]
FILE NAME: J:\2024\6081W1\D162V09\CADD Data\Sheets\D162V09-sht-General Notes.dgn

ABNA DESIGN FIRM REG. 184.002117

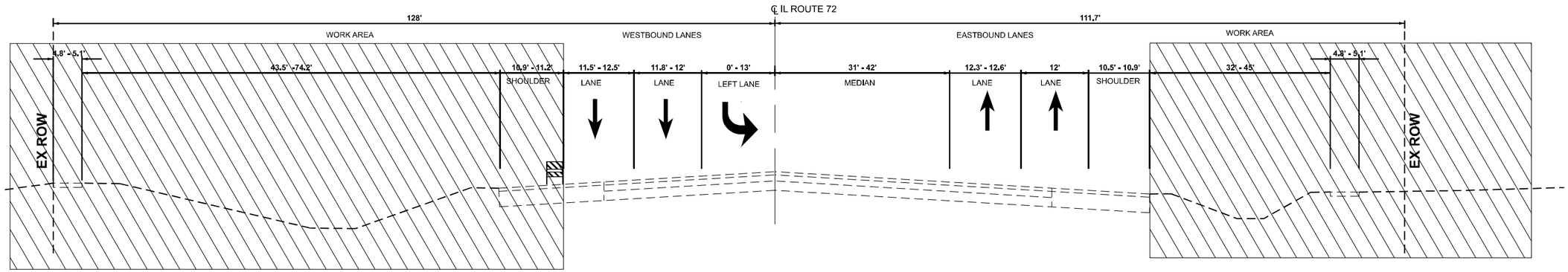
USER NAME = galsallani	DESIGNED - CT	REVISED -	
	DRAWN - ABD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -	
PLOT DATE = 1/22/2026	DATE - 01/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
MOT GENERAL NOTES

SCALE: 1"=1'-0" | SHEET 1 OF 4 SHEETS | STA. | TO STA.

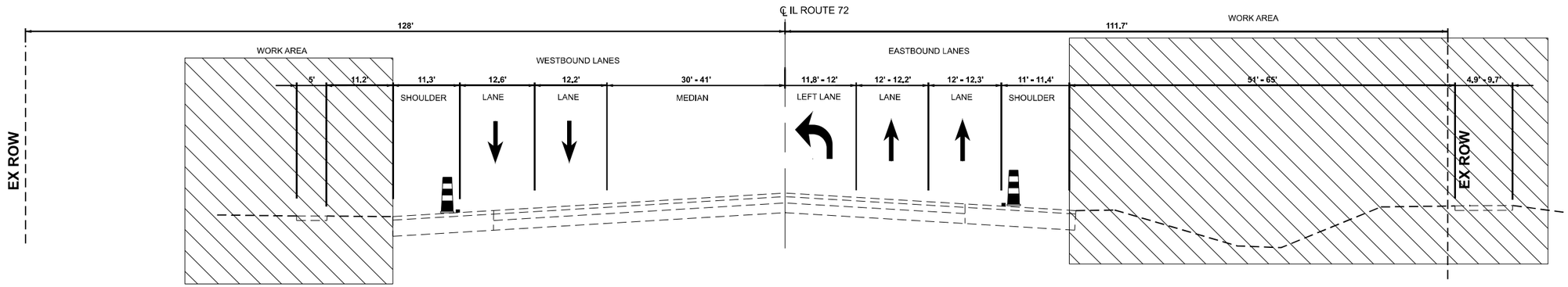
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	23
		CONTRACT NO. 62V09		
	ILLINOIS FED. AID PROJECT			



STAGE -1 TYPICAL SECTION

(LOOKING EAST)

STA 50+46.00 TO STA 55+50.00



STAGE -1 TYPICAL SECTION

(LOOKING EAST)

STA 45+75.00 TO STA 49+45.00

LEGEND

- WORK AREA
- TYPE II BARRICADE
- DRUMS
- TEMPORARY PAVEMENT MARKING

MODEL: MOTTYP-01 [Sheet]
FILE NAME: J:\2024\6981W1\D1\62V09\CADD Data\Sheets\D1 62V09-sht-Typicals-1.dgn

ABNA DESIGN FIRM REG. 184.002117

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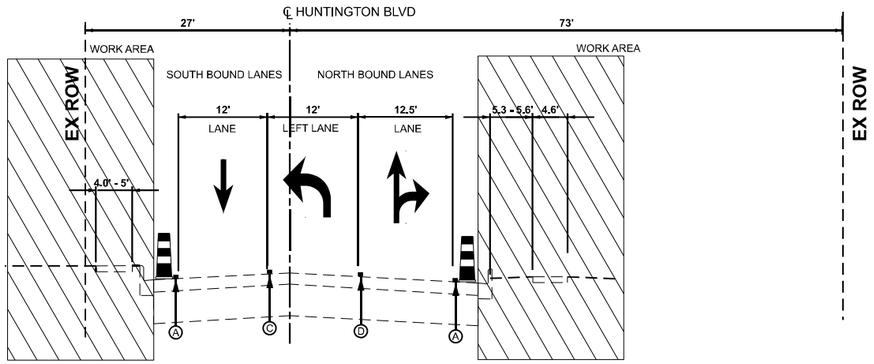
	DRAWN - ABD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -	
PLOT DATE = 7/17/2025	DATE - 01/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
MOT TYPICAL SECTION

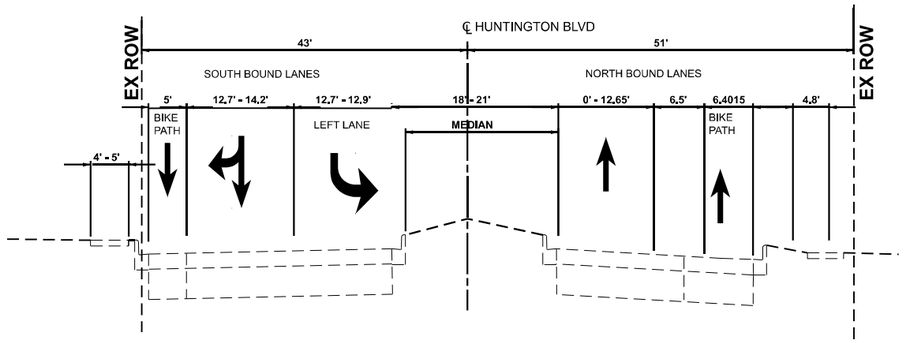
SCALE: NTS | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	24
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		



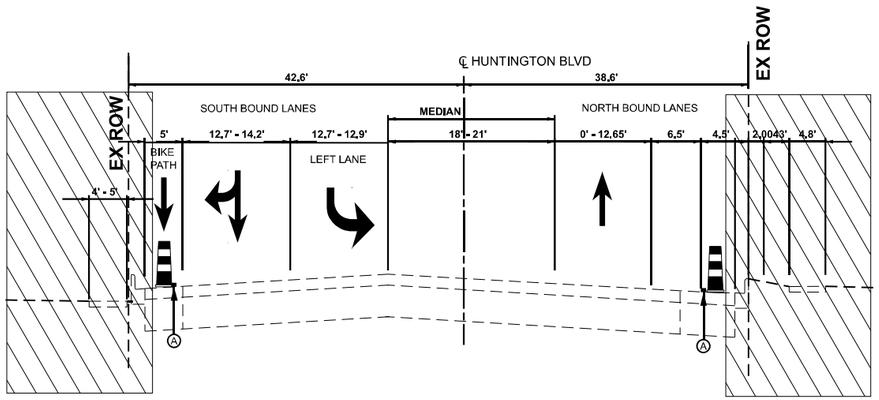
STAGE -1 TYPICAL SECTION

STA 18+90.00 TO STA 20+00.00



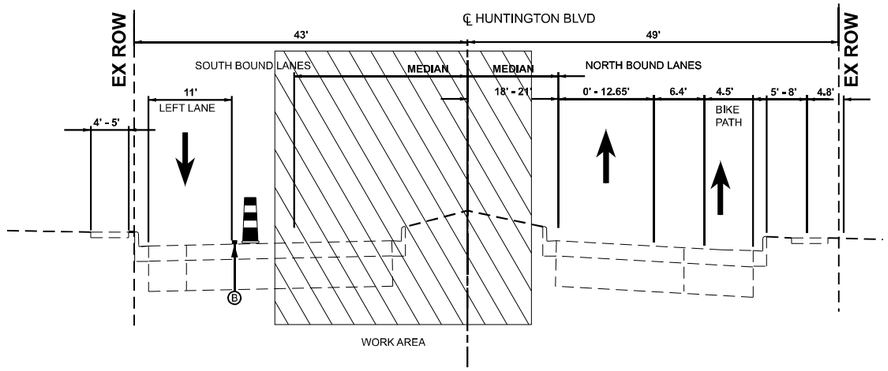
STAGE -1 TYPICAL SECTION

STA 21+25.00 TO STA 23+23.00



STAGE -1 TYPICAL SECTION

STA 20+00.00 TO STA 21+25.00



STAGE -1 TYPICAL SECTION

STA 23+23.00 TO STA 25+37.00

LEGEND

- WORK AREA
- DRUMS
- TEMPORARY PAVEMENT MARKING

LEGEND

- Ⓐ TEMPORARY PAVEMENT MARKING LINE 4", SOLID WHITE
- Ⓑ TEMPORARY PAVEMENT MARKING LINE 4", SOLID YELLOW
- Ⓒ TEMPORARY PAVEMENT MARKING LINE 4", DOUBLE YELLOW
- Ⓓ TEMPORARY PAVEMENT MARKING LINE 6", SOLID WHITE

MODEL: MOTTYP-03 [Sheet]
FILE NAME: J:\2024\6081W1\D162V09\CADD Data\Sheets\D162V09-sht-Typicals-1.dgn

ABNA DESIGN FIRM REG. 184.002117

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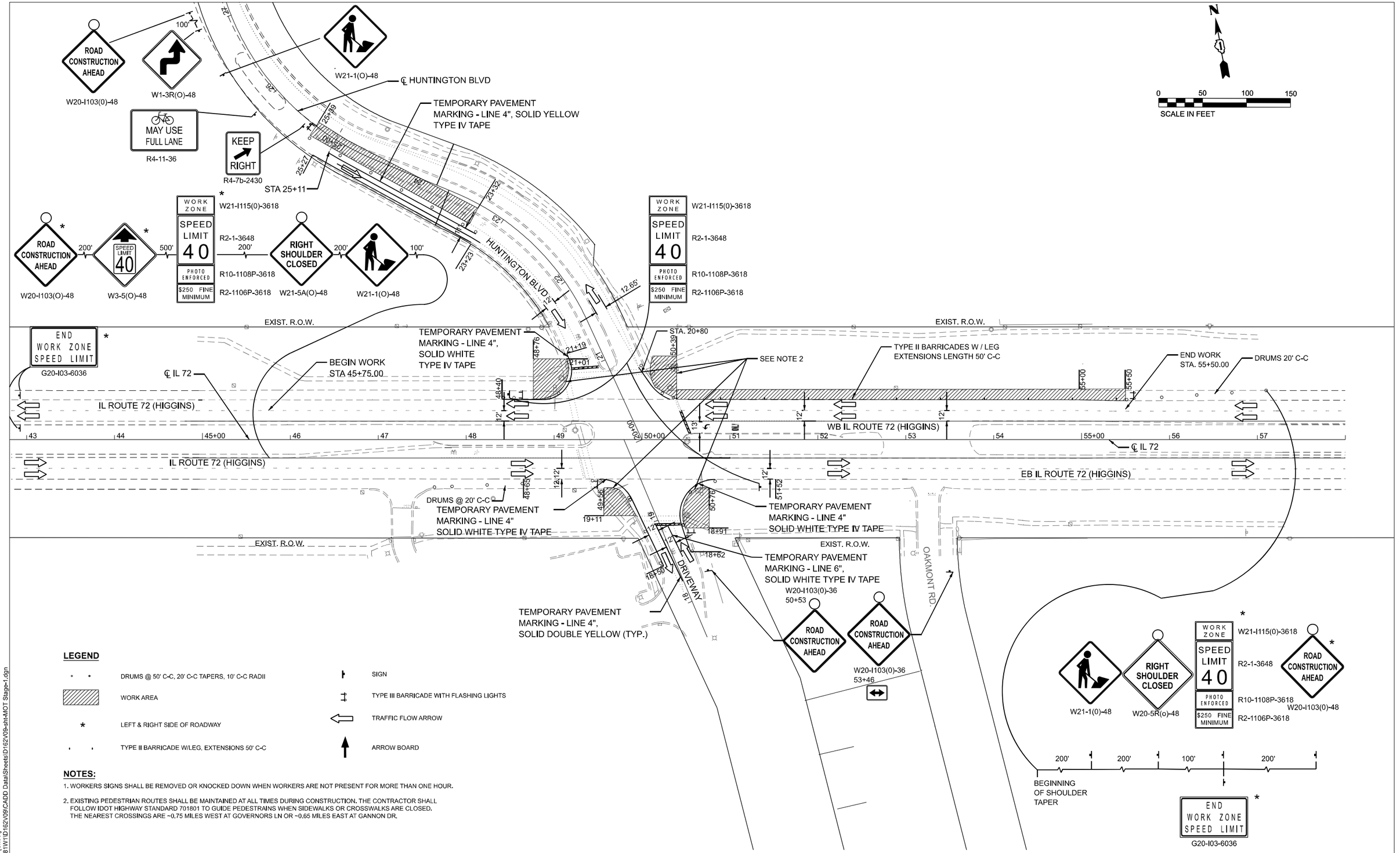
	DRAWN - ABD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -	
PLOT DATE = 9/2/2025	DATE - 01/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
MOT TYPICAL SECTION

SCALE: NTS | SHEET 4 OF 4 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	25
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		



LEGEND

◦ ◦	DRUMS @ 50' C-C, 20' C-C TAPERS, 10' C-C RADII		SIGN
	WORK AREA		TYPE III BARRICADE WITH FLASHING LIGHTS
*	LEFT & RIGHT SIDE OF ROADWAY		TRAFFIC FLOW ARROW
, ,	TYPE II BARRICADE W/LEG, EXTENSIONS 50' C-C		ARROW BOARD

NOTES:

1. WORKERS SIGNS SHALL BE REMOVED OR KNOCKED DOWN WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.
2. EXISTING PEDESTRIAN ROUTES SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL FOLLOW IDOT HIGHWAY STANDARD 701801 TO GUIDE PEDESTRAINS WHEN SIDEWALKS OR CROSSWALKS ARE CLOSED. THE NEAREST CROSSINGS ARE ~0.75 MILES WEST AT GOVERNORS LN OR ~0.65 MILES EAST AT GANNON DR.

MODEL: MOT Stage-01 [Sheet]
FILE NAME: J:\2024\6081W1\D162V09\CADD Data\Sheets\D162V09-sht-MOT Stage-1.dgn

ABNA DESIGN FIRM REG. 184.002117

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	DRAWN - ABD	REVISED -			
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -			
PLOT DATE = 11/13/2025	DATE - 01/10/2025	REVISED -			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
MAINTENANCE OF TRAFFIC STAGE - 1

SCALE: 1"=50' | SHEET 5 OF 4 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	26
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		

EROSION AND SEDIMENT CONTROL NOTES

1. ALL CONTROL MEASURES NECESSARY MUST MEET THE MINIMUM REQUIREMENTS AS DESCRIBED IN THE LATEST EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. ADDITIONAL DETAILS AND BMPs ARE ALSO AVAILABLE AND CAN BE UTILIZED AS SHOWN IN THE ILLINOIS URBAN MANUAL, REVISED TO THE LATEST VERSION AS AMENDED. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDE: (HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/EROSION-AND-SEDIMENT-CONTROL).

2. ALL THE SOIL EROSION AND SEDIMENT CONTROL FEATURES MUST BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE. SOIL DISTURBANCE MUST BE PHASED OR ENACTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES MUST CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY AND/OR PERMANENT MEASURES.

3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT SEDIMENT TRANSPORT OFF THE SITE IS REDUCED BY A COMBINATION OF MINIMIZATION OF EROSION AT THE SOURCE AND THE INSTALLATION OF SPECIFIC MEASURES TO CONTROL OR REDUCE THE TRANSPORT OF SEDIMENT. A COPY OF THE EROSION AND SEDIMENT CONTROL SCHEDULE BEING IMPLEMENTED BY THE CONTRACTOR MUST BE APPROVED BY THE ENGINEER, WILL BE ON THE CONSTRUCTION SITE AT ALL TIMES.

4. ALL RUNOFF ORIGINATING ON DISTURBED AREAS ASSOCIATED WITH THIS PROJECT WILL PASS THROUGH ONE OR MORE MEASURES THAT WILL MINIMIZE THE OFF-SITE SEDIMENT IMPACTS OF THE CONSTRUCTION ACTIVITIES.

5. DISTURBED AREAS ARE TO BE PROTECTED FROM EROSION IN A TIMELY MANNER. UPON COMPLETION OF GRADING OR CONSTRUCTION ACTIVITY, THE AREA WILL BE STABILIZED (USING PERMANENT MEASURES WHEN POSSIBLE) WITHIN ONE (1) CALENDAR DAY.

6. THE CONTRACTOR MUST CLEAN UP, GRADE THE WORK AREA AS THE PROJECT PROGRESSES AND INSTALL EROSION PROTECTION TO ELIMINATE THE CONCENTRATION OF RUNOFF, OR MUST INSTALL APPROPRIATE SEDIMENT CONTROL DEVICES TO TRAP SEDIMENT. PAVEMENT MUST BE CLEANED DAILY OR AS NECESSARY TO REMOVE EARTHEN MATERIAL TO THE SATISFACTION OF THE ENGINEER OR AUTHORIZED IDOT PERSONNEL.

7. STABILIZATION OF CUT OR FILL SLOPES WITH TEMPORARY OR PERMANENT EROSION CONTROL MEASURES IS REQUIRED WHENEVER THE CUT OR FILL ACTIVITY REACHES 10-FT VERTICALLY OR THE FINISHED SLOPE EQUALS 30-FT, WHICHEVER IS MORE RESTRICTIVE. ONCE THE STABILIZATION MEASURES ARE INSTALLED, THE PLACEMENT OF FILL EXCAVATION ACTIVITIES ARE ALLOWED TO PROCEED.

8. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION. THE CONTRACTOR SHALL DESIGNATE ONE OF HIS EMPLOYEES TO BE RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN ON ALL DISTURBED AREAS THROUGHOUT THE PROJECT.

9. THE CONTRACTOR'S REPRESENTATIVE HAS TO BE KNOWLEDGEABLE ABOUT INSTALLATION AND MAINTENANCE OF THE REQUIRED MEASURES AND HAVE TAKEN AN ILLINOIS DEPARTMENT OF TRANSPORTATION OR APPROVED EQUAL EROSION AND SEDIMENT CONTROL COURSE. THIS PERSON SHALL HAVE THE AUTHORITY TO CARRY OUT THE IMPLEMENTATION OF ANY INSTRUCTION CONCERNING THE EROSION AND SEDIMENT CONTROL PLAN PROVIDED BY THE ENGINEER. THIS INDIVIDUAL AND THE ENGINEER MUST MAKE INSPECTIONS A MINIMUM OF ONCE EVERY SEVEN DAYS OF THE FOLLOWING:

   A. DISTURBED AREAS OF THE PROJECT SITE THAT HAVE NOT BEEN FULLY STABILIZED.
   B. STRUCTURAL CONTROL MEASURES (SUCH AS PERIMETER EROSION BARRIER, ETC.)
   C. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE PROJECT SITE.
   D. AN ADDITIONAL INSPECTION OF THE ITEMS LISTED ABOVE MUST BE MADE WITHIN 24-HOURS AFTER A 24-HOUR RAINFALL OR EQUIVALENT SNOWFALL EVENT GREATER THAN 0.5-INCH. DURING WINTER MONTHS, ALL MEASURES MUST BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.

10. ALL THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED DURING THE CONSTRUCTION SEASON, AS WELL AS OVER THE WINTER SHUTDOWN PERIOD AND OTHER PERIODS WHEN THE PROJECT IS CLOSED DOWN FOR A LONGER DURATION. ANY CONTROL MEASURES FILLED MORE THAN 75% OF CAPACITY MUST BE CLEANED AND RESET AND THESE SPOILS REMOVED TO AN APPROVED SITE.

11. SALVAGED TOPSOIL SHALL BE PLACED ON WELL DRAINED LAND AWAY FROM INTERMITTENT AND ACTIVE DRAINAGE PATHS WITH THE APPROPRIATE RUNOFF CONTROL AND SEDIMENT CONTROL MEASURES INSTALLED AROUND THE STORAGE SITE. IMMEDIATELY AFTER THE FINAL SHAPING OF THE STOCKPILE, THE TOPSOIL WILL BE STABILIZED IN ACCORDANCE WITH THE METHOD APPROVED BY IDOT. THE CONTRACTOR WILL PROVIDE ADEQUATE QUANTITY OF SILT FENCE TO CONTROL THE PERIMETER OF THE STOCKPILE.

12. EXCAVATION TO BE USED FOR EMBANKMENTS SHALL NOT BE STOCKPILED UNLESS PERIMETER CONTROLS ARE UTILIZED. WHEN THIS MATERIAL IS STOCKPILED FOR THE CONVENIENCE OF THE CONTRACTOR, THE COST OF THE CONTROLS WILL BE BORNE BY THE CONTRACTOR. IF THE MATERIAL IS STOCKPILED AT THE DIRECTION OF THE ENGINEER, THE DEPARTMENT WILL ASSUME THE COST OF INSTALLING AND MAINTAINING THE CONTROLS.

13. IF AND/OR WHEN THE CONTRACTOR REQUESTS CHANGE TO POSTPONE COMPLETION OF THE EXCAVATION OF A SPECIFIC AREA AS A CONTINUOUS OPERATION AND PLACING THE TOPSOIL AS DEFINED IN THE STANDARD SPECIFICATIONS, THE ENGINEER MAY ALLOW THE CONTRACTOR TO STABILIZE THE AREA USING TEMPORARY STABILIZATION WITH STRAW MULCH 25 FEET AWAY FROM THE SHOULDER OF THE ROAD PROVIDED THE FOLLOWING CONDITIONS ARE MET:

   A. ALL AREAS BEING STABILIZED ARE 1:3 SLOPES OR FLATTER
   B. THE CONTRACTOR BEARS THE COST OF PREPARING THE SEED BED AND STABILIZING THE AREA WITH TEMPORARY STABILIZATION WITH MULCH METHOD 3.
   C. ALL REQUIRED SEDIMENT CONTROL MEASURES FOR THE SECTION OF ROAD IN QUESTION HAVE BEEN INSTALLED AND ARE BEING MAINTAINED.

14. TOPSOIL PLACEMENT:
TOPSOIL WILL BE PLACED ON FINAL SLOPES WHICH WILL NOT BE DISTURBED BY FUTURE CONSTRUCTION. TOPSOIL WILL NOT BE PLACED ON SURFACES WHICH WILL BE PAVED IN THE FUTURE NOR ON TEMPORARY STEEP SLOPES.

15. IN AREAS WHERE A PERMANENT VEGETATIVE COVER IS PRACTICABLE AND INCLUDED IN THE CONTRACT DOCUMENTS, A SPECIAL EFFORT SHOULD BE MADE TO ESTABLISH A COVER AS SOON AS A DISTURBED AREA IS BROUGHT TO FINAL GRADE. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.

16. THE CONTRACTOR'S REPRESENTATIVE AND THE ENGINEER MUST KEEP A WRITTEN REPORT SUMMARIZING THE REQUIRED INSPECTIONS. THE REPORTS MUST BE KEPT AT THE SITE DURING CONSTRUCTION. THE REPORTS MUST ALSO BE RETAINED FOR THREE YEARS FROM THE DATE THE SITE IS FINALLY STABILIZED.

17. ANY SEDIMENT LADEN DEWATERING DISCHARGE MUST BE DIRECTED TO AN APPROVED SEDIMENT TRAPPING CONTROL MEASURE PRIOR TO RELEASE FROM THE PROJECT SITE.

18. NO WORK IS ALLOWED BEYOND THE PERMITTED AREA. ANY WORK WITHIN A CREEK OR DITCH CAPABLE OF CONVEYING WATER MUST BE CONDUCTED IN THE DRY. PROVISIONS MUST BE MADE TO BYPASS PUMP OR DEWATER ANY AREAS IN WHICH WORK WILL BE CONDUCTED. IN HIGH FLOW CHANNELS WHERE DEWATERING IS NOT POSSIBLE OR PRACTICAL, SILT FENCE OR SEDIMENT CURTAINS MAY BE INSTALLED PARALLEL TO THE STREAM BANK. IN NO CASE WILL THE CURTAINS BE INSTALLED PERPENDICULAR TO THE FLOW. DEWATERING MUST BE DISCHARGED TO A STABLE, NON-ERODIBLE SURFACE AND IN-STREAM WORK BARRIERS MUST BE COMPOSED OF NON-ERODIBLE MATERIAL.

19. SEEDING USAGE
CLASS 2A:
USED ON AREAS ADJACENT TO ROADS SUBJECT TO SALT SPRAY AND/OR DISPOSITION INDICATED ON THE PLANS.
CLASS 2:
USED ON AREAS INDICATED ON THE PLANS.

TEMPORARY EROSION CONTROL SEEDING:
USED IN AREAS REQUIRING SHORT TERM TEMPORARY SEEDING DURING CONSTRUCTION.

20. THE CONTRACTOR MUST COOPERATE WITH THE ENGINEER AND HIS/HER REPRESENTATIVE WHO WILL MAKE SITE VISITS TO REVIEW THE COMPLIANCE OF THE PLANS IN THE FIELD AND AUDIT IF NECESSARY. THE CONTRACTOR MUST PREPARE THE LOGS AND RECORDS WHEN REQUIRED AND SUBMIT TO IDOT AND/OR APPROPRIATE AGENCIES.

21. THE INSTALLATION, MAINTENANCE, REMOVAL AND RESTORATION OF THE AREA DISTURBED BY THE PLACEMENT OF THE PERIMETER EROSION BARRIER ARE INCLUDED IN THE CONTRACT UNIT PRICE FOR PERIMETER EROSION BARRIER. AFTER ALL PERIMETER EROSION BARRIER IS REMOVED, THE AREAS DAMAGED BY THE PERIMETER EROSION CONTROL BARRIER MUST BE RESTORED TO THEIR ORIGINAL CONDITION.

22. THE CONTRACTOR WILL PROVIDE THE ENGINEER A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THIS IS IMPORTANT WHERE NEW STORM SEWER CONNECTS TO EXISTING STORM SEWERS/CULVERTS. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECAST, SO THAT FLOW WILL NOT BE EROSIVE. THE LACK OF AN APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.

23. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC., WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKDAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.

24. STABILIZATION MEASURES SHALL BE INITIATED IMMEDIATELY WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN ONE (1) DAY AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED ON ALL DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION WILL NOT OCCUR FOR A PERIOD OF FOURTEEN (14) OR MORE CALENDAR DAYS.

25. EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER, COOK COUNTY AND/OR THE US ARMY CORPS OF ENGINEERS.

26. THE CONTRACTOR IS REQUIRED TO PROVIDE WASHOUT FACILITIES TO COMPLY WITH EROSION CONTROL PERMITS.

27. THE CONTRACTOR IS REQUIRED TO PROVIDE WASHOUT FACILITIES AND STABILIZED CONSTRUCTION ENTRANCES TO COMPLY WITH THE EROSION CONTROL REQUIREMENTS.

28. THE CONTRACTOR SHOULD PROVIDE TO THE RE A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.

SOIL PROTECTION SCHEDULE

STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
PERMANENT SEEDING					→	→				→	→	
DORMANT SEEDING	→		→							→	→	→
TEMPORARY SEEDING			→	→	→	→	→	→	→	→		
EROSION BLANKET / HYDROMULCH			→	→	→	→	→	→	→	→	→	

EROSION AND SEDIMENT CONTROL STRATEGY

1. ERECT PERIMETER EROSION BARRIERS AND TEMPORARY FENCES AS NECESSARY.
2. INSTALL INLET FILTERS AS SHOWN ON THE PLANS.
3. CLEAR AND GRUB, REMOVE EXISTING TREES AND BUSHES AS NECESSARY.
4. INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES FOR THE DURATION OF CONSTRUCTION.
5. STABILIZE DISTURBED AREAS WITH TEMPORARY EROSION CONTROL MEASURES. USE THE PERMANENT SEEDING WITH EROSION CONTROL BLANKET FOR PERMANENT STABILIZATION AS SHOWN ON THE PLANS.
6. WHEN THE PERMANENT STABILIZATION IS ESTABLISHED, REMOVE ALL REMAINING TEMPORARY EROSION CONTROL MEASURES.
7. DITCH CHECKS ARE 1 FOOT HIGH AT CENTER AND SPACED AS SHOWN ON PLANS.

HIGHWAY STANDARDS

280001-07 TEMPORARY EROSION CONTROL SYSTEMS

MODEL: EROSION NOTES [Sheet]
FILE NAME: J:\2024\60811W1\D162V09\CADD Data\Sheets\D162V09-EC NOTES.dgn

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	DRAWN - ABD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -	
PLOT DATE = 7/17/2025	DATE - 01/10/2025	REVISED -	

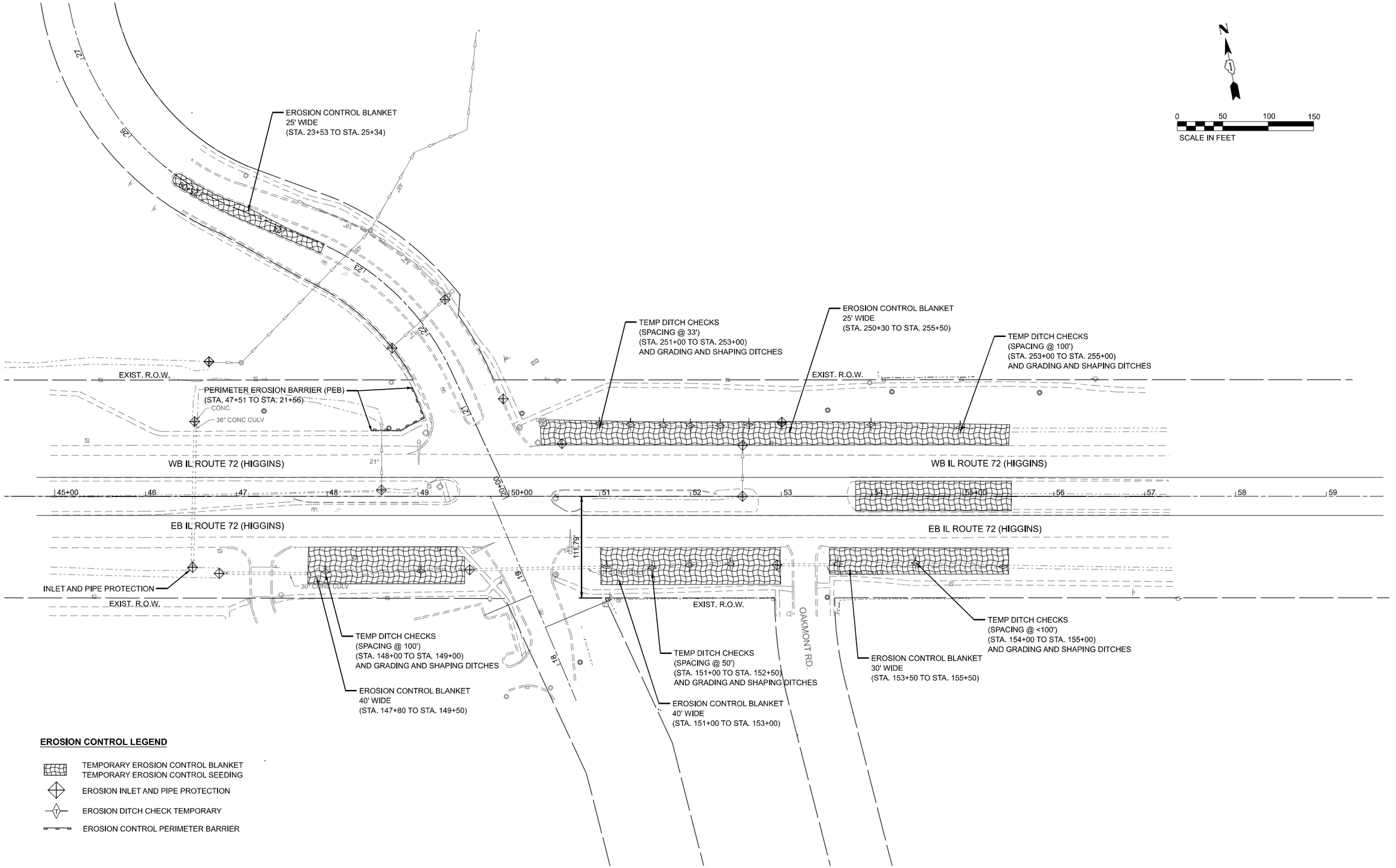
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
EROSION AND SEDIMENT CONTROL NOTES

SCALE: 1"=1'-0" | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	27
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		

CROSS SECTION



EROSION CONTROL LEGEND

- TEMPORARY EROSION CONTROL BLANKET
  TEMPORARY EROSION CONTROL SEEDING
- EROSION INLET AND PIPE PROTECTION
- EROSION DITCH CHECK TEMPORARY
- EROSION CONTROL PERIMETER BARRIER

MODEL: Plan 50 Scale EC [sheet]
FILE NAME: J:\2024\0681W1\D162V09\CADD Data\Sheets\D162V09-EC.dgn

ABNA
DESIGN FIRM REG. 184.002117

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	DRAWN - ABD	REVISED - ####	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED - ####	
PLOT DATE = 11/12/2025	DATE - 01/10/2025	REVISED - ####	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1"=50' | SHEET 2 OF 2 SHEETS | STA. 45+00.00 | TO STA. 59+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	28
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		

DRAINAGE STRUCTURE REMOVAL TABLE

STR NO	STATION	OFFSET	X5427602
			REMOVE EXISTING FLARED END SECTION
			EACH
EX-FES-01	52+57	81.06	1
EX-SS	52+57	68.00	55100900
			STORM SEWER REMOVAL 18"
			FOOT
			15

UTILITY CROSSING TABLE

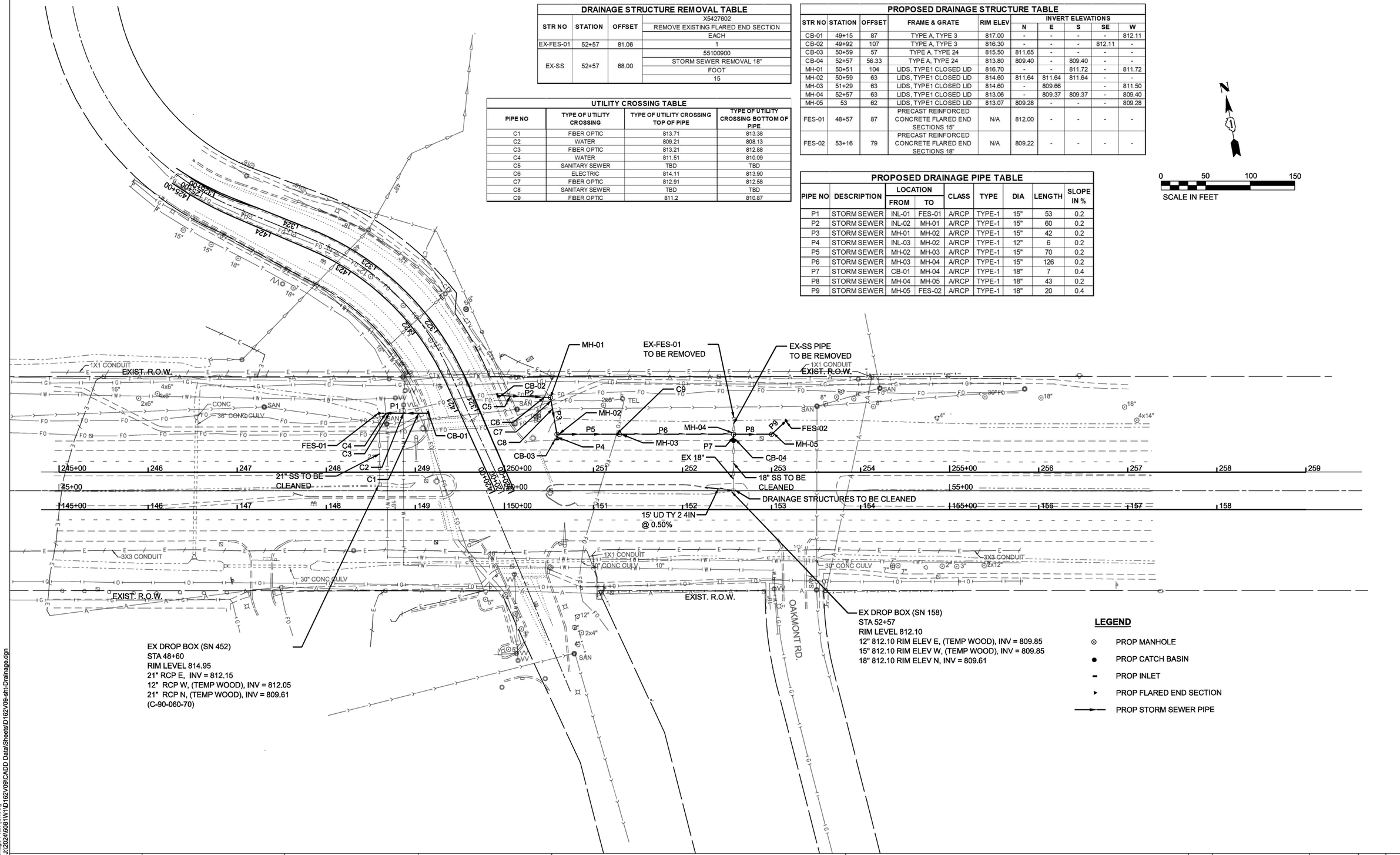
PIPE NO	TYPE OF UTILITY CROSSING	TYPE OF UTILITY CROSSING TOP OF PIPE	TYPE OF UTILITY CROSSING BOTTOM OF PIPE
C1	FIBER OPTIC	813.71	813.38
C2	WATER	809.21	808.13
C3	FIBER OPTIC	813.21	812.88
C4	WATER	811.51	810.09
C5	SANITARY SEWER	TBD	TBD
C6	ELECTRIC	814.11	813.90
C7	FIBER OPTIC	812.91	812.58
C8	SANITARY SEWER	TBD	TBD
C9	FIBER OPTIC	811.2	810.87

PROPOSED DRAINAGE STRUCTURE TABLE

STR NO	STATION	OFFSET	FRAME & GRATE	RIM ELEV	INVERT ELEVATIONS				
					N	E	S	SE	W
CB-01	49+15	87	TYPE A, TYPE 3	817.00	-	-	-	-	812.11
CB-02	49+92	107	TYPE A, TYPE 3	816.30	-	-	-	812.11	-
CB-03	50+59	57	TYPE A, TYPE 24	815.50	811.65	-	-	-	-
CB-04	52+57	56.33	TYPE A, TYPE 24	813.80	809.40	-	809.40	-	-
MH-01	50+51	104	LIDS, TYPE1 CLOSED LID	816.70	-	-	811.72	-	811.72
MH-02	50+59	63	LIDS, TYPE1 CLOSED LID	814.60	811.64	811.64	811.64	-	-
MH-03	51+29	63	LIDS, TYPE1 CLOSED LID	814.60	-	809.66		-	811.50
MH-04	52+57	63	LIDS, TYPE1 CLOSED LID	813.06	-	809.37	809.37	-	809.40
MH-05	53	62	LIDS, TYPE1 CLOSED LID	813.07	809.28	-	-	-	809.28
FES-01	48+57	87	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	N/A	812.00	-	-	-	-
FES-02	53+16	79	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	N/A	809.22	-	-	-	-

PROPOSED DRAINAGE PIPE TABLE

PIPE NO	DESCRIPTION	LOCATION		CLASS	TYPE	DIA	LENGTH	SLOPE IN %
		FROM	TO					
P1	STORM SEWER	INL-01	FES-01	A/RCP	TYPE-1	15"	53	0.2
P2	STORM SEWER	INL-02	MH-01	A/RCP	TYPE-1	15"	60	0.2
P3	STORM SEWER	MH-01	MH-02	A/RCP	TYPE-1	15"	42	0.2
P4	STORM SEWER	INL-03	MH-02	A/RCP	TYPE-1	12"	6	0.2
P5	STORM SEWER	MH-02	MH-03	A/RCP	TYPE-1	15"	70	0.2
P6	STORM SEWER	MH-03	MH-04	A/RCP	TYPE-1	15"	126	0.2
P7	STORM SEWER	CB-01	MH-04	A/RCP	TYPE-1	18"	7	0.4
P8	STORM SEWER	MH-04	MH-05	A/RCP	TYPE-1	18"	43	0.2
P9	STORM SEWER	MH-05	FES-02	A/RCP	TYPE-1	18"	20	0.4



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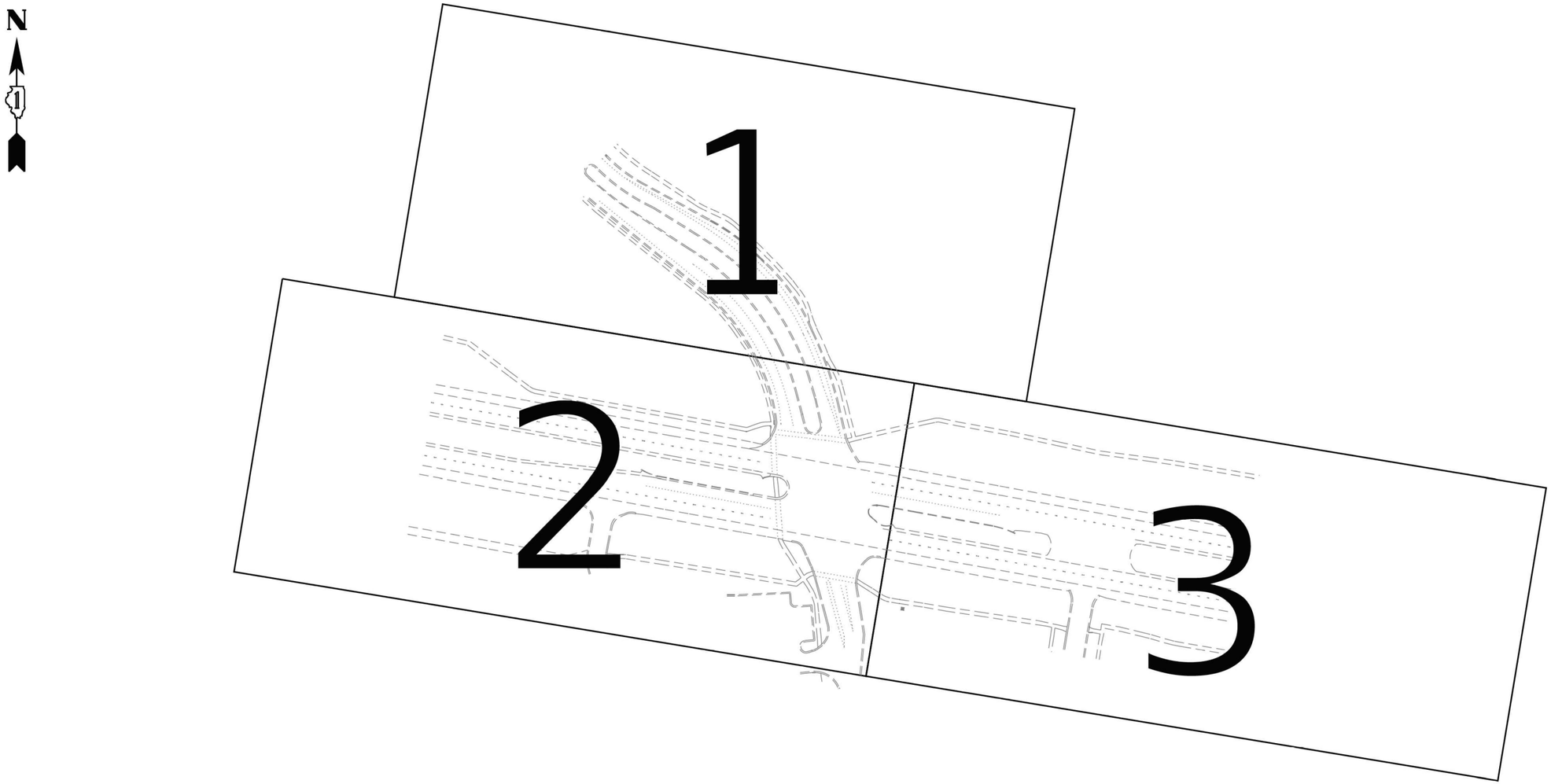
ABNA DESIGN FIRM REG. 184.002117

USER NAME = galsallani	DESIGNED - CT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL-72 AT HUNTINGTON BLVD DRAINAGE PLAN
	DRAWN - ABD	REVISED -		
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -		SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 0+00.00 TO STA. 40+00.00
PLOT DATE = 11/14/2025	DATE - 01/10/2025	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	29
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		



ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

QUALITY LEVEL A (QLA)
PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASURMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.

QUALITY LEVEL B (QLB)
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QUALITY LEVEL B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.

QUALITY LEVEL C (QLC)
INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTLITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.

QUALITY LEVEL D (QLD)
INFORMATION DERIVED FROM EXISITNG RECORDS OR ORAL RECOLLECTIONS.

GENERAL NOTES:

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FIELD LOCATED UTILITIES MEET THE FEDERAL HIGHWAY ADMINISTRATION DEFINITION FOR "QUALITY LEVEL B" (QLB) STANDARDS.

UTILITY SIZE AND INFORMATION IS BASED ON BEST AVAILABLE FIELD AND RECORD INFORMATION.

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ALL ELECTRONIC DEPTHS PROVIDED ARE ESTIMATED APPROXIMATELY TO THE CENTER OF THE UTILITY UNLESS NOTED OTHERWISE AND SHOULD BE USED FOR INFORMATIONAL PURPOSES ONLY.

UTILITY LEGEND:

A	- AERIAL
	- UNKNOWN UTILITY
O	- OIL (PETROLEUM)
CTV	- CABLE TV
T	- TELEPHONE
G	- GAS
E	- ELECTRIC
E	- TRAFFIC SIGNAL/LIGHTING
W	- WATER
	- FORCE MAIN
FO	- FIBER OPTIC
EOI	- END OF INFORMATION
ED	- ELECTRONIC DEPTH

JOHN J. BELLIS
062-044796
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

John J Bellis
signature

6/17/20
date

license expires 11/30/2021

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MODEL: SUE-01 [Sheet]
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ABNA DESIGN FIRM REG. 184.002117

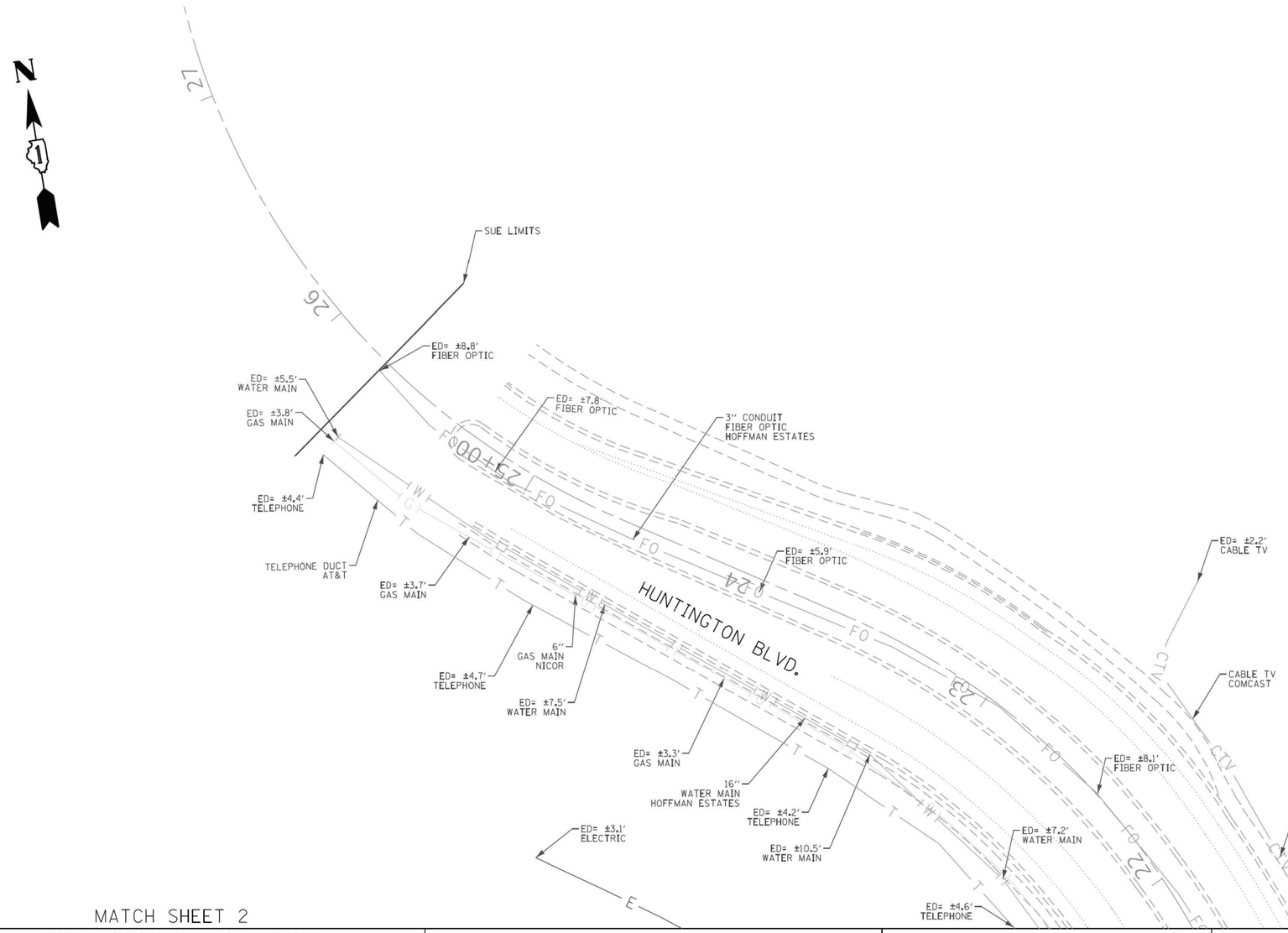
USER NAME = mconroy	DESIGNED - CT	REVISED -	
	DRAWN - ABD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -	
PLOT DATE = 7/17/2025	DATE - 01/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL-72 AT HUNTINGTON BLVD
SUE PLAN-I

SCALE: 1"=50' | SHEET 1 OF 4 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	30
		CONTRACT NO. 62V09		
		ILLINOIS	FED. AID PROJECT	



MATCH SHEET 2

MATCH SHEET 3

ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

QUALITY LEVEL A (OLA)
PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASURMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.

QUALITY LEVEL B (OLB)
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QUALITY LEVEL C (OLC)
INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.

QUALITY LEVEL D (OLD)
INFORMATION DERIVED FROM EXISITNG RECORDS OR ORAL RECOLLECTIONS.

GENERAL NOTES:

WGI INC. HAS EXERCISED ITS BEST PROFESSIONAL EXPERTISE AND GEOPHYSICAL PROSPECTING TECHNIQUES TO DEVELOP THIS MAPPING OF SUBSURFACE UTILITIES WITHIN THE PROJECT LIMITS.

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FIELD LOCATED UTILITIES MEET THE FEDERAL HIGHWAY ADMINISTRATION DEFINITION FOR "QUALITY LEVEL B" (QLB) STANDARDS.

UTILITY SIZE AND INFORMATION IS BASED ON BEST AVAILABLE FIELD AND RECORD INFORMATION.

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UTILITY LEGEND:

A	AERIAL
	UNKNOWN UTILITY
O	OIL (PETROLEUM)
CTV	CABLE TV
T	TELEPHONE
G	GAS
E	ELECTRIC
E	TRAFFIC SIGNAL/LIGHTING
W	WATER
	FORCE MAIN
FO	FIBER OPTIC
	TEST HOLE
EOI	END OF INFORMATION
ED	ELECTRONIC DEPTH

JOHN J. BELLIS
062-044796
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

signature

6/17/20
date

license expires 11/30/2021

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MODEL: SUE-02 [Sheet]
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ABNA DESIGN FIRM REG. 184.002117

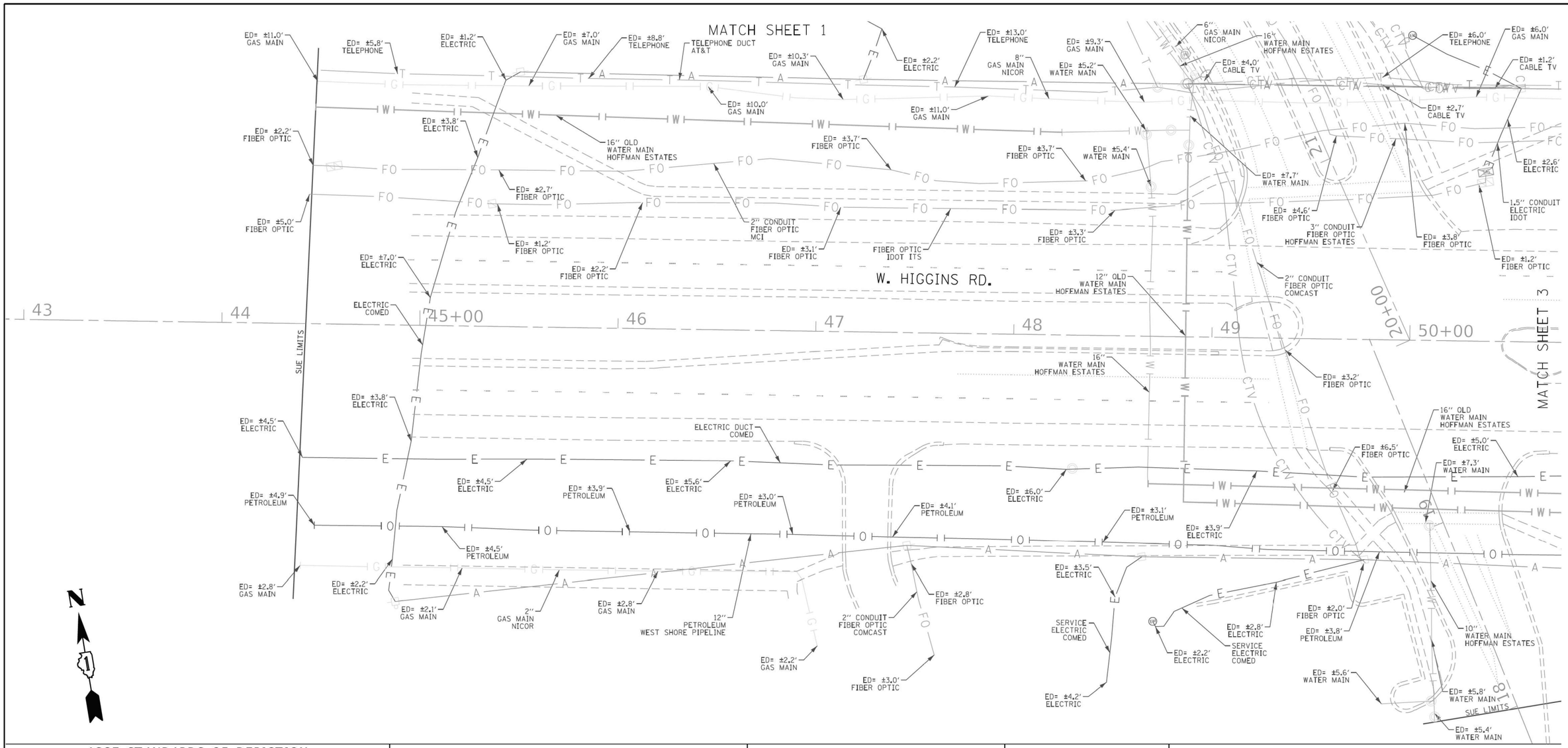
USER NAME = mconroy		DESIGNED - CT		REVISED -	
		DRAWN - ABD		REVISED -	
PLOT SCALE = $SCALE$		CHECKED - TPP		REVISED -	
PLOT DATE = 7/17/2025		DATE - 01/10/2025		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL-72 AT HUNTINGTON BLVD
SUE PLAN-II

SCALE: #### | SHEET 1 OF 4 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	31
		CONTRACT NO. 62V09		
	ILLINOIS FED. AID PROJECT			



ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

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- A — *AERIAL*
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- CTV — *CABLE TV*
- T — *TELEPHONE*
- G — *GAS*
- E — *ELECTRIC*
- E — *TRAFFIC SIGNAL/LIGHTING*
- W — *WATER*
- FORCE MAIN
- FO — *FIBER OPTIC*
- EOI — *TEST HOLE*
- *END OF INFORMATION*
- ED — *ELECTRONIC DEPTH*

JOHN J. BELLIS
062-044796
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

John J Bellis
signature

6/17/20
date

license expires 11/30/2021

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Cert No. 6091 - LB No. 7055

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ABNA DESIGN FIRM REG. 184.002117

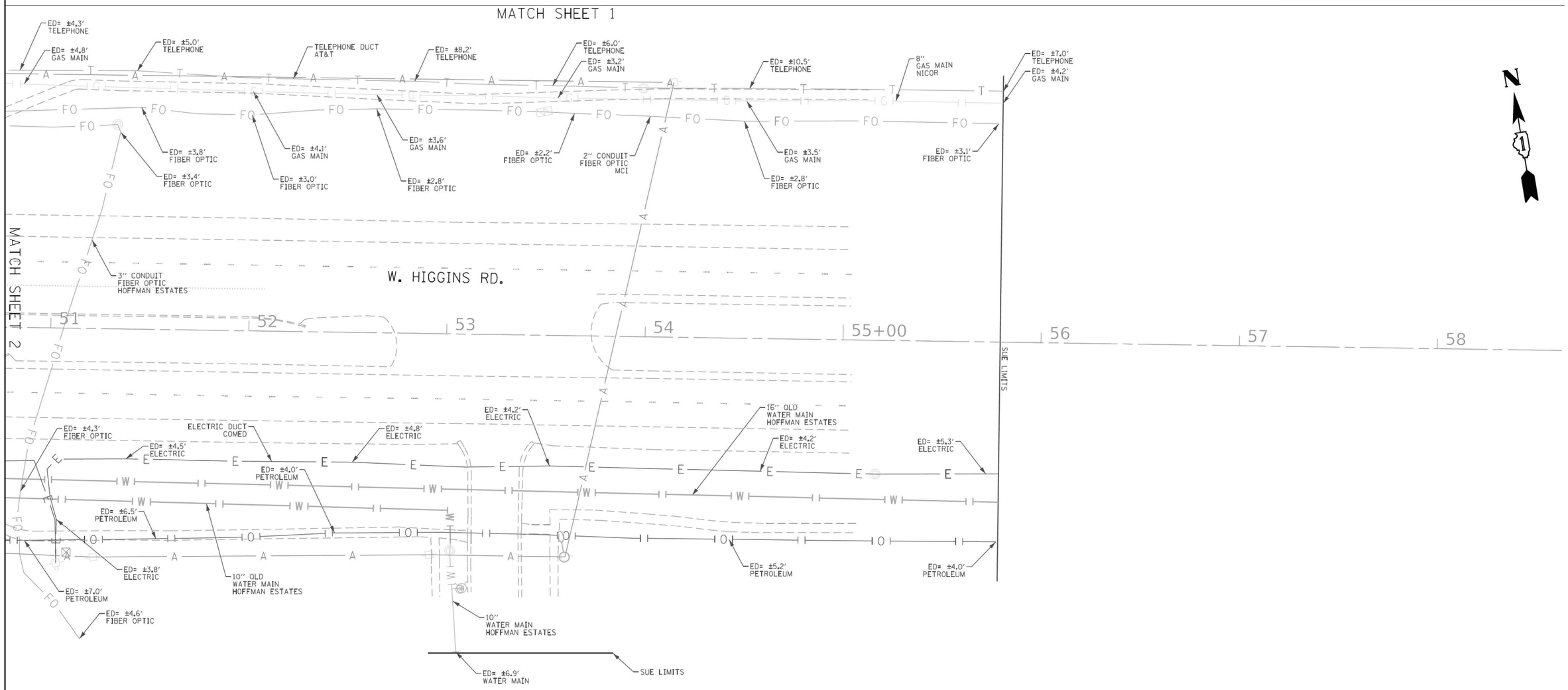
USER NAME = galsallani	DESIGNED - CT	REVISED -	
	DRAWN - ABD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -	
PLOT DATE = 6/27/2025	DATE - 01/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL-72 AT HUNTINGTON BLVD
SUE PLAN-III

SCALE: #### | SHEET 1 OF 4 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	32
		CONTRACT NO. 62V09		
	ILLINOIS FED. AID PROJECT			



ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

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QUALITY LEVEL D (QLD)
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	- UNKNOWN UTILITY
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CTV	- CABLE TV
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E	- ELECTRIC
E	- TRAFFIC SIGNAL/LIGHTING
W	- WATER
	- FORCE MAIN
FO	- FIBER OPTIC
EOI	- TEST HOLE
ED	- END OF INFORMATION
	- ELECTRONIC DEPTH

JOHN J. BELLIS
062-044796
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

John J Bellis
signature
6/17/20
date
license expires 11/30/2021

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ABNA DESIGN FIRM REG. 184.002117

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		DRAWN	- ABD	REVISED	-
PLOT SCALE	= $SCALE$	CHECKED	- TPP	REVISED	-
PLOT DATE	= 7/17/2025	DATE	- 01/10/2025	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL-72 AT HUNTINGTON BLVD
SUE PLAN-IV

SCALE: #### | SHEET 1 OF 4 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	33
		CONTRACT NO. 62V09		
	ILLINOIS FED. AID PROJECT			

ADA CURB RAMP SCHEDULE

MAIN ROAD	CROSS ROAD	CORNER	20200100 EARTH EXCAVATION	21101615 TOPSOIL FURNISH AND PLACE, 4"	25200110 SODDING, SALT TOLERANT	42001300 PROTECTIVE COAT	42400200 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	42400800 DETECTABLE WARNINGS	44000600 SIDEWALK REMOVAL
			CU YD	SQ YD	SQ YD	SQ YD	SQ FT	SQ FT	SQ FT
IL ROUTE 72	HUNTINGTON BLVD	NW	3.6	36	36	39	343	20	263
IL ROUTE 72	HUNTINGTON BLVD	NE	2.2	12	12	24	212	27	188
IL ROUTE 72	HUNTINGTON BLVD	W ISLAND	1.6	13	13	17	153	20	124
IL ROUTE 72	HUNTINGTON BLVD	E ISLAND	1.6	10	10	17	152	20	0
IL ROUTE 72	HUNTINGTON BLVD	SW	4.9	45	45	54	485	20	540
IL ROUTE 72	HUNTINGTON BLVD	SE	6.4	66	66	71	639	20	408
IL ROUTE 72	OAKMONT RD	E/W	0.0	0	0	0	4	24	4
		TOTAL	**21**	**182**	**182**	**222**	**1988**	**151**	**1527**

MODEL: TS - Plan
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Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - ARP, BJD	REVISED -	
	DRAWN - ARP, BJD	REVISED -	
PLOT SCALE = 40.000 ' / In.	CHECKED - BT, CMP	REVISED -	
PLOT DATE = 11/14/2025	DATE - 1/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP SCHEDULE
IL ROUTE 72 AT HUNTINGTON BOULEVARD

SCALE: N.T.S. | SHEET 1 OF 4 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	34
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		

A	49+44.56	72.54' LT	(816.84)
B	49+14.18	67.15' LT	(816.87)
C	49+11.70	61.78' LT	(816.86)
D	49+07.24	56.17' LT	(816.81)
E	49+14.43	72.36' LT	816.85
F	49+12.72	67.15' LT	816.90
G	49+12.18	72.12' LT	816.88
H	49+08.99	71.76' LT	816.94
I	49+08.99	66.76' LT	816.92
J	49+10.36	62.63' LT	816.87
K	49+06.68	57.86' LT	816.82
L	49+05.62	61.05' LT	816.84
M	49+03.99	66.76' LT	816.96
N	49+03.99	71.76' LT	816.99
O	48+81.02	71.76' LT	(817.07)
P	48+82.21	66.76' LT	(817.19)
Q	49+08.99	96.38' LT	(817.26)
R	49+07.71	99.60' LT	(817.28)
S	49+03.99	98.09' LT	(817.26)
AA	49+03.99	76.76' LT	817.02
AB	49+08.99	76.76' LT	816.97
AC	49+03.99	81.76' LT	817.08
AD	49+08.99	81.76' LT	817.03
AE	49+03.99	86.76' LT	817.14
AF	49+08.99	86.76' LT	817.09
AF	49+08.99	86.76' LT	817.09

AG	49+03.99	91.76' LT	817.20
AH	49+08.99	91.76' LT	817.15
AI	48+98.99	71.76' LT	816.97
AJ	48+98.99	66.76' LT	816.94
AK	48+93.99	71.76' LT	816.99
AL	48+93.99	66.76' LT	816.96
AM	48+88.99	71.76' LT	817.01
AN	48+88.99	66.76' LT	816.98
AN	48+88.99	66.76' LT	817.09

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	6.32*	0.47
E-F	5.49*	0.91
E-G	2.26	1.33
F-G	5.00	0.40
G-H	3.21	1.87
F-I	3.75	0.53
C-D	7.19*	0.70
J-K	6.04*	0.83
L-K	3.36	0.60
L-M	5.96	2.01
J-L	5.00	0.60
I-J	4.35	1.15
M-N	5.00	0.60
I-M	5.00	0.80
H-I	5.00	0.40
M-N	5.00	0.60
H-N	5.00	1.00
O-P	5.14	2.33
R-S	4.01	0.50
Q-R	3.47	0.58
N-AA	5.00	0.60
H-AB	5.00	0.60
AA-AB	5.00	1.00
AA-AC	5.00	1.20
*MEASURED ALONG CURVE		

AB-AD	5.00	1.20
AC-AD	5.00	1.00
AC-AE	5.00	1.20
AD-AF	5.00	1.20
AE-AF	5.00	1.00
AE-AG	5.00	1.20
AF-AH	5.00	1.20
AG-AH	5.00	1.00
AG-S	6.33	0.95
AH-Q	4.62	2.38
N-AI	5.00	0.40
M-AJ	5.00	0.40
AI-AJ	5.00	0.60
AI-AK	5.00	0.40
AJ-AL	5.00	0.40
AK-AL	5.00	0.60
AK-AM	5.00	0.40
AL-AN	5.00	0.40
AM-AN	5.00	0.60
AM-O	7.97	0.75
AN-P	6.78	3.10
AN-P	6.78	1.47

HUNTINGTON BLVD

IL 72

0 5 10 20
SCALE IN FEET

ADA LEGEND

- DEPRESSED CURB
- DETECTABLE WARNING TILES
- PROPOSED TRAFFIC SIGNAL EQUIPMENT

	STATION	OFFSET	ELEVATION
A	50+02.51	81.84' LT	(816.11)
B	50+05.73	76.40' LT	(816.06)
C	50+04.19	82.02' LT	816.12
D	50+07.03	77.30' LT	816.07
E	50+06.49	82.27' LT	816.14
F	50+10.51	82.71' LT	816.22
G	50+12.60	78.17' LT	816.18
H	50+17.19	64.96' LT	(816.02)
I	50+24.85	60.71' LT	(816.00)
J	50+18.09	66.27' LT	816.06
K	50+25.48	62.16' LT	816.04
L	50+17.13	68.33' LT	816.08
M	50+21.67	70.42' LT	816.12
N	50+17.18	80.18' LT	816.22
O	50+15.08	84.72' LT	816.26
P	50+08.41	87.25' LT	(816.41)
Q	50+12.90	89.22' LT	(816.44)
R	50+19.69	86.67' LT	(816.42)
S	50+21.76	82.19' LT	(816.25)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	6.32*	0.79
C-D	5.51*	0.91
C-E	2.31	0.87
D-E	5.00	1.40
D-G	5.67	1.94
E-F	4.04	1.98
F-G	5.00	0.80
H-I	8.78*	0.23
J-K	8.47*	0.24
J-L	2.27	0.88
K-M	9.10	0.88
L-M	5.00	0.80
G-L	10.83	0.92
M-N	10.74	0.93
G-N	5.00	0.80
F-O	4.99	0.80
N-O	5.00	0.80
F-P	5.00	3.80
O-Q	5.00	3.60
P-Q	4.90	0.61
N-S	5.00	0.60
O-R	5.01	3.19
R-S	4.94	3.44
*MEASURED ALONG CURVE		

HUNTINGTON BLVD

IL 72

0 5 10 20
SCALE IN FEET

PLOT DRIVER: SIN7DRVS
PENTABLE: SPENTBLS
PLOT DATE: 11/14/2025 PLOT TIME: STIMES
PLOT STYLE: USENAMES
MODEL NAME: Default
F.E NAME: pw://cc-cnv.bentley.com:ac-cpw-01/Documents/Projects/244003-IDOT 211 Item 2 Various Phase II/001-IL 72 and Huntington/50_Design/CAD/P-C/Sheets/P7717-sh1-ADA-1

PLOT SCALE: 10.000 ' / in. PAGE SIZE: SSHEETSIZES

Peralte-Clark LLC

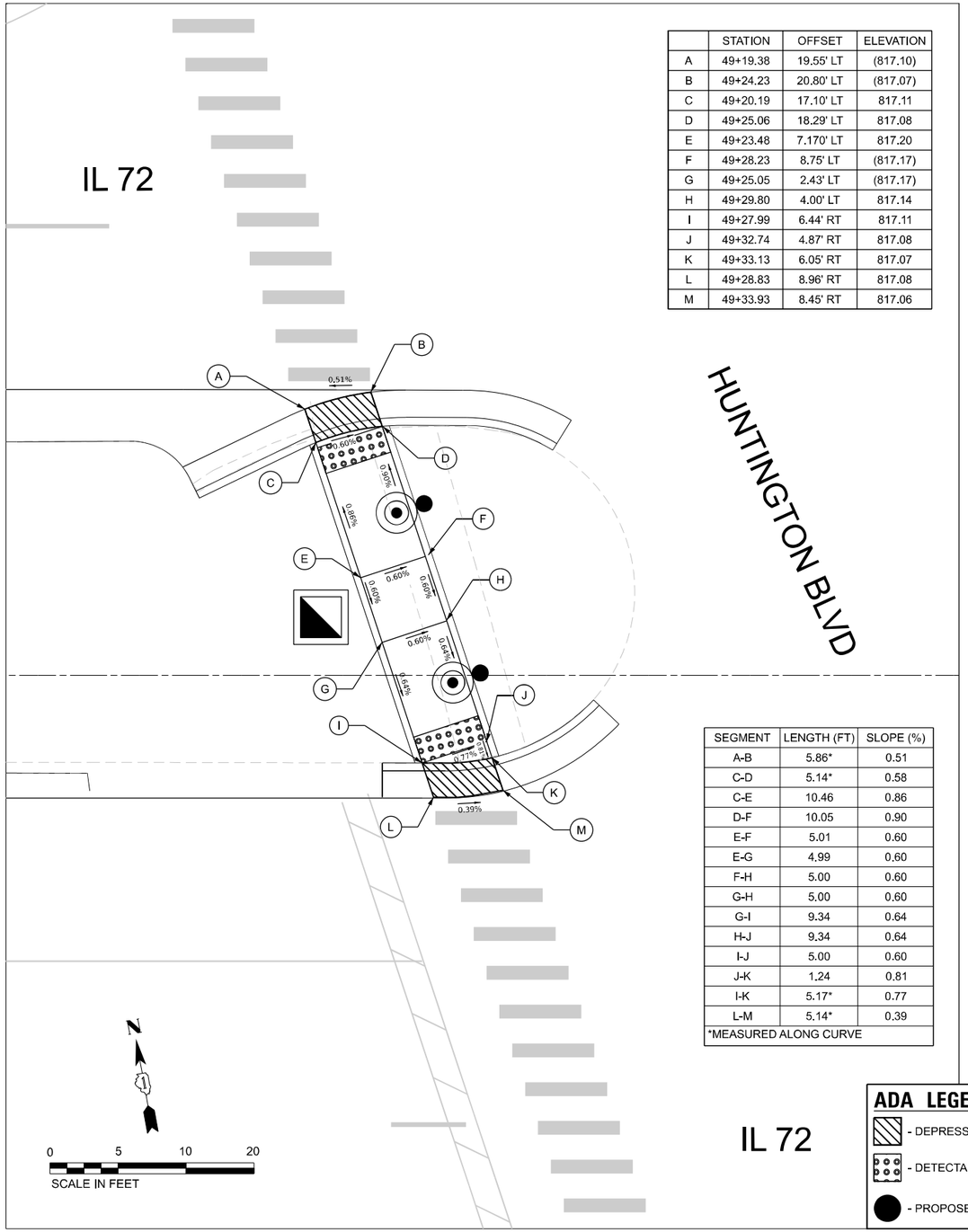
USER NAME	= brandon.dengel	DESIGNED -	ARP, BJD	REVISED -	
		DRAWN -	ARP, BJD	REVISED -	
PLOT SCALE	= 10.000 ' / in.	CHECKED -	BT, CMP	REVISED -	
PLOT DATE	= 11/14/2025	DATE -	1/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP DETAILS
IL ROUTE 72 AT HUNTINGTON BOULEVARD

SCALE: 1" = 5' | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	35
		CONTRACT NO. 62V09		
		ILLINOIS	FED. AID PROJECT	



	STATION	OFFSET	ELEVATION
A	49+19.38	19.55' LT	(817.10)
B	49+24.23	20.80' LT	(817.07)
C	49+20.19	17.10' LT	817.11
D	49+25.06	18.29' LT	817.08
E	49+23.48	7.170' LT	817.20
F	49+28.23	8.75' LT	(817.17)
G	49+25.05	2.43' LT	(817.17)
H	49+29.80	4.00' LT	817.14
I	49+27.99	6.44' RT	817.11
J	49+32.74	4.87' RT	817.08
K	49+33.13	6.05' RT	817.07
L	49+28.83	8.96' RT	817.08
M	49+33.93	8.45' RT	817.06

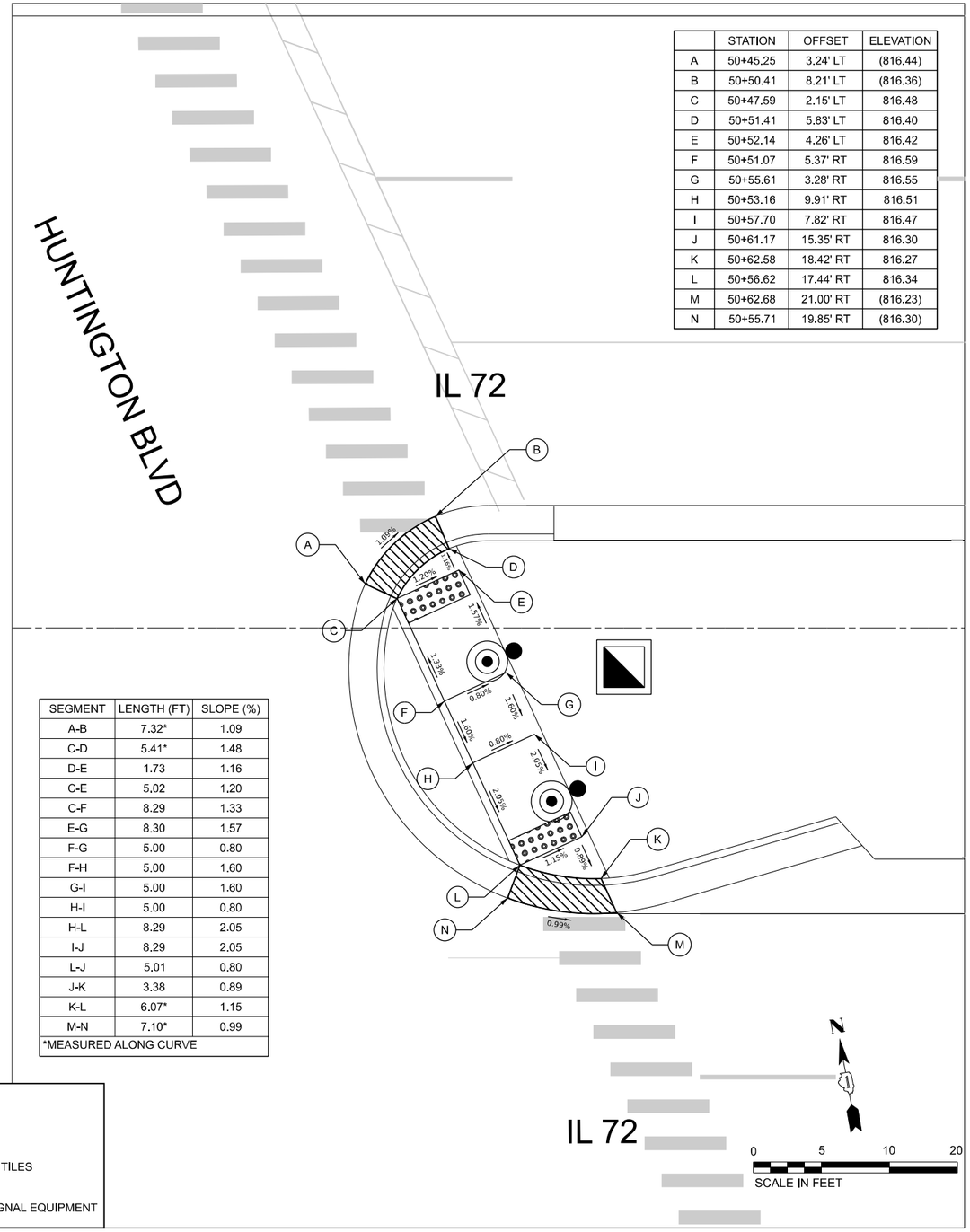
SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.86*	0.51
C-D	5.14*	0.58
C-E	10.46	0.86
D-F	10.05	0.90
E-F	5.01	0.60
E-G	4.99	0.60
F-H	5.00	0.60
G-H	5.00	0.60
G-I	9.34	0.64
H-J	9.34	0.64
I-J	5.00	0.60
J-K	1.24	0.81
I-K	5.17*	0.77
L-M	5.14*	0.39

*MEASURED ALONG CURVE

IL 72

ADA LEGEND

- DEPRESSED CURB
- DETECTABLE WARNING TILES
- PROPOSED TRAFFIC SIGNAL EQUIPMENT



	STATION	OFFSET	ELEVATION
A	50+45.25	3.24' LT	(816.44)
B	50+50.41	8.21' LT	(816.36)
C	50+47.59	2.15' LT	816.48
D	50+51.41	5.83' LT	816.40
E	50+52.14	4.26' LT	816.42
F	50+51.07	5.37' RT	816.59
G	50+55.61	3.28' RT	816.55
H	50+53.16	9.91' RT	816.51
I	50+57.70	7.82' RT	816.47
J	50+61.17	15.35' RT	816.30
K	50+62.58	18.42' RT	816.27
L	50+56.62	17.44' RT	816.34
M	50+62.68	21.00' RT	(816.23)
N	50+55.71	19.85' RT	(816.30)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	7.32*	1.09
C-D	5.41*	1.48
D-E	1.73	1.16
C-E	5.02	1.20
C-F	8.29	1.33
E-G	8.30	1.57
F-G	5.00	0.80
F-H	5.00	1.60
G-I	5.00	1.60
H-I	5.00	0.80
H-L	8.29	2.05
I-J	8.29	2.05
L-J	5.01	0.80
J-K	3.38	0.89
K-L	6.07*	1.15
M-N	7.10*	0.99

*MEASURED ALONG CURVE

IL 72

PLOT DRIVER: $PLTDRVR
PENTABLE: $PENTBLS
PLOT DATE: 1/23/2026 PLOT TIME: $TIMES
PLOTTED BY: $USERNAME
MODEL NAME: Default
FILE NAME: pw://p-cow.bentley.com:pw-pw-02\Documents\Projects\724-0003- IDOT 211 Item 2 Various Phase /0001-IL 72 and Huntington/50_Design\CAD\P-C\Sheets\P17717-sht-ADA-2
PLOT SCALE: 10.000 ' / in. PAGE SIZE: $SHEETSIZE

Peralte-Clark LLC

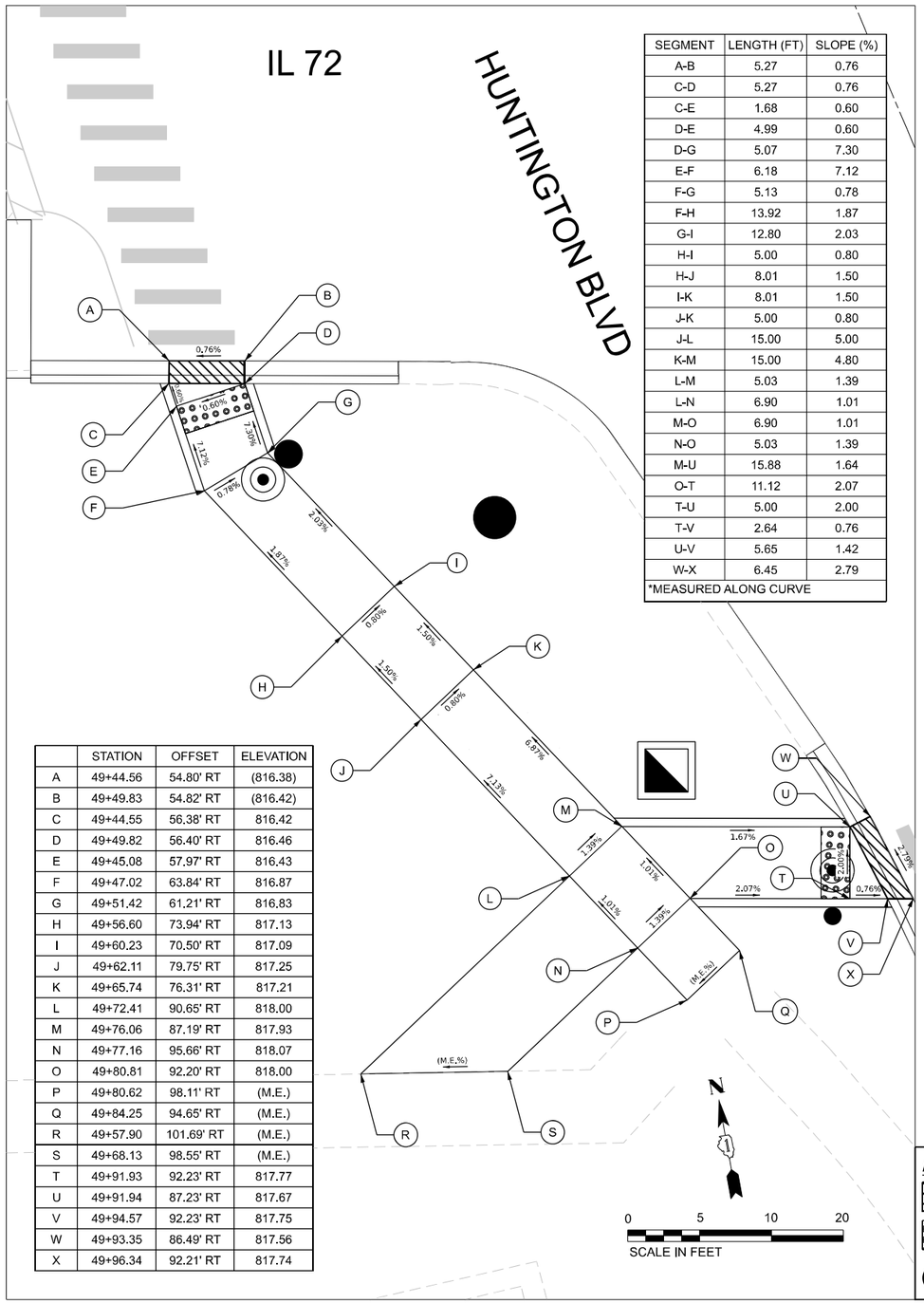
USER NAME	= brandon.dengel	DESIGNED -	ARP, BJD	REVISED -	
		DRAWN -	ARP, BJD	REVISED -	
PLOT SCALE	= 10.000 ' / in.	CHECKED -	BT, CMP	REVISED -	
PLOT DATE	= 1/23/2026	DATE -	1/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP DETAILS
IL ROUTE 72 AT HUNTINGTON BOULEVARD

SCALE: 1" = 5' | SHEET 3 OF 4 SHEETS | STA. | TO STA.

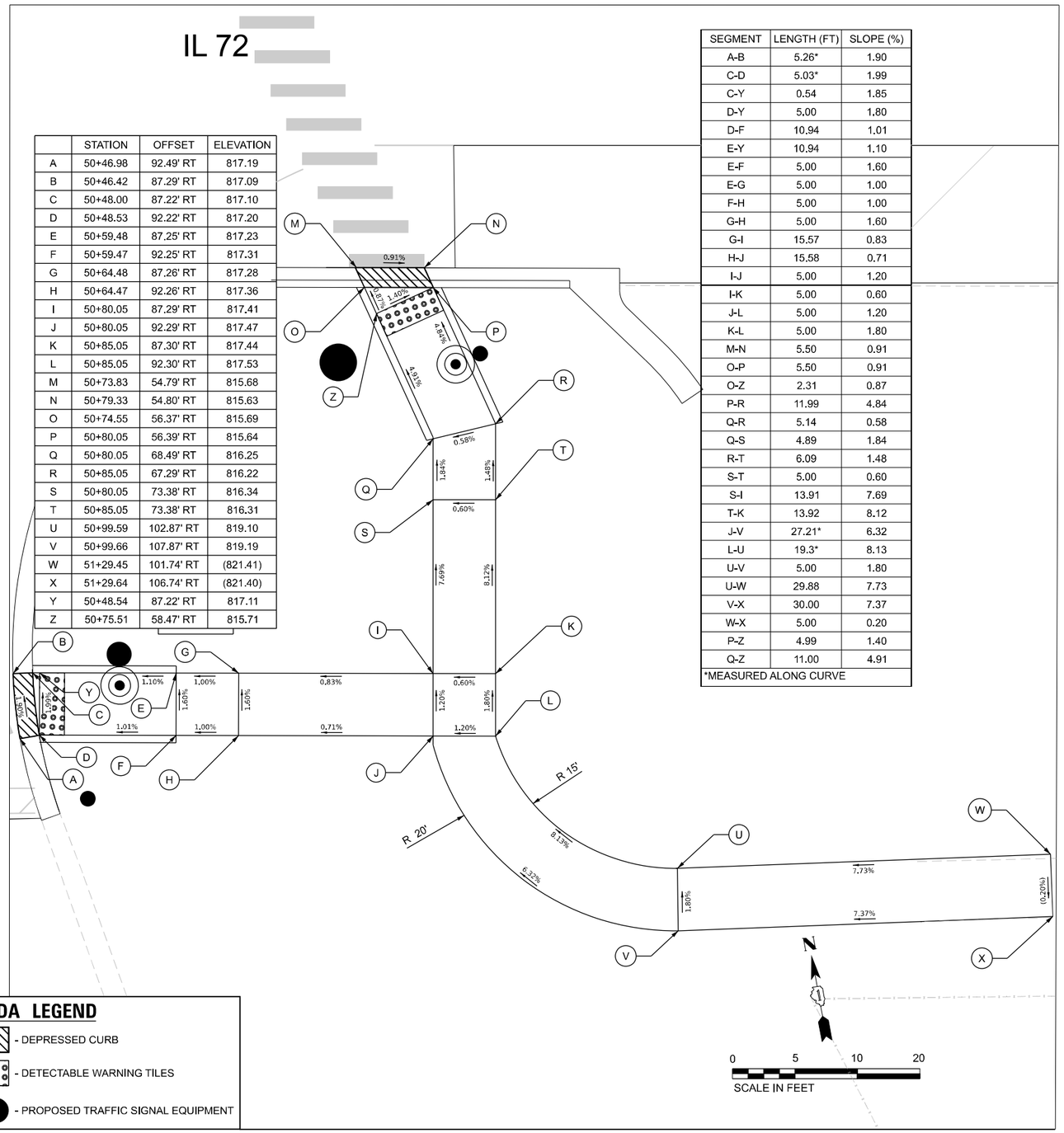
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	36
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		



SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.27	0.76
C-D	5.27	0.76
C-E	1.68	0.60
D-E	4.99	0.60
D-G	5.07	7.30
E-F	6.18	7.12
F-G	5.13	0.78
F-H	13.92	1.87
G-I	12.80	2.03
H-I	5.00	0.80
H-J	8.01	1.50
I-K	8.01	1.50
J-K	5.00	0.80
J-L	15.00	5.00
K-M	15.00	4.80
L-M	5.03	1.39
L-N	6.90	1.01
M-O	6.90	1.01
N-O	5.03	1.39
M-U	15.88	1.64
O-T	11.12	2.07
T-U	5.00	2.00
T-V	2.64	0.76
U-V	5.65	1.42
W-X	6.45	2.79

*MEASURED ALONG CURVE

	STATION	OFFSET	ELEVATION
A	49+44.56	54.80' RT	(816.38)
B	49+49.83	54.82' RT	(816.42)
C	49+44.55	56.38' RT	816.42
D	49+49.82	56.40' RT	816.46
E	49+45.08	57.97' RT	816.43
F	49+47.02	63.84' RT	816.87
G	49+51.42	61.21' RT	816.83
H	49+56.60	73.94' RT	817.13
I	49+60.23	70.50' RT	817.09
J	49+62.11	79.75' RT	817.25
K	49+65.74	76.31' RT	817.21
L	49+72.41	90.65' RT	818.00
M	49+76.06	87.19' RT	817.93
N	49+77.16	95.66' RT	818.07
O	49+80.81	92.20' RT	818.00
P	49+80.62	98.11' RT	(M.E.)
Q	49+84.25	94.65' RT	(M.E.)
R	49+57.90	101.69' RT	(M.E.)
S	49+68.13	98.55' RT	(M.E.)
T	49+91.93	92.23' RT	817.77
U	49+91.94	87.23' RT	817.67
V	49+94.57	92.23' RT	817.75
W	49+93.35	86.49' RT	817.56
X	49+96.34	92.21' RT	817.74



SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.26*	1.90
C-D	5.03*	1.99
C-Y	0.54	1.85
D-Y	5.00	1.80
D-F	10.94	1.01
E-Y	10.94	1.10
E-F	5.00	1.60
E-G	5.00	1.00
F-H	5.00	1.00
G-H	5.00	1.60
G-I	15.57	0.83
H-J	15.58	0.71
I-J	5.00	1.20
I-K	5.00	0.60
J-L	5.00	1.20
K-L	5.00	1.80
M-N	5.50	0.91
O-P	5.50	0.91
O-Z	2.31	0.87
P-R	11.99	4.84
Q-R	5.14	0.58
Q-S	4.89	1.84
R-T	6.09	1.48
S-T	5.00	0.60
S-I	13.91	7.69
T-K	13.92	8.12
J-V	27.21*	6.32
L-U	19.3*	8.13
U-V	5.00	1.80
U-W	29.88	7.73
V-X	30.00	7.37
W-X	5.00	0.20
P-Z	4.99	1.40
Q-Z	11.00	4.91

*MEASURED ALONG CURVE

ADA LEGEND

- DEPRESSED CURB
- DETECTABLE WARNING TILES
- PROPOSED TRAFFIC SIGNAL EQUIPMENT

PLOT DRIVER: CIVITDRIVS
PENTABLE: SPENTBLS
PLOT DATE: 11/14/2025 PLOT TIME: STIMES
PLOTTED BY: $USERNAMES
MODEL NAME: Default
FILE NAME: pw://cc-ow.sentry.com:pw-dir/Documents/Projects/21-0003-1DOT 211 Item 2 Various Phase 1/01- IL 72 and Huntington/SD_Design/CAD/PE-d/Sheets/P17717-sht-A0A-3

PLOT SCALE: 10.000 ' / in. PAGE SIZE: $SHEETSIZES

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - ARP, BJD	REVISED -	
	DRAWN - ARP, BJD	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - BT, CMP	REVISED -	
PLOT DATE = 11/14/2025	DATE - 1/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP DETAILS
IL ROUTE 72 AT HUNTINGTON BOULEVARD

SCALE: 1" = 5' | SHEET 4 OF 4 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	37
		CONTRACT NO. 62V09		
		ILLINOIS	FED. AID PROJECT	

EXISTING SIGN SCHEDULE

SIGN	SIGN DESCRIPTION	PAY ITEM	COMMENT	EX LOCATION		
				STATION	OFFSET	MOUNT TYPE
R3-17a	BIKE LANE	REMOVE SIGN PANEL ASSEMBLY - TYPE A	TO BE REPLACED	21+17*	41' RT*	GROUND MOUNT
R3-17bP	"BEGINS" PLAQUE					
R3-17a	BIKE LANE	REMOVE SIGN PANEL ASSEMBLY - TYPE A	TO BE REPLACED	21+41*	50' LT*	GROUND MOUNT
R3-17bP	"ENDS" PLAQUE					
R10-3e	PUSH BUTTON SIGN	INCLUDED IN EX TRAFFIC SIGNAL REMOVAL	TO BE REPLACED	49+08.43	70' LT	SIGNAL POST
R10-12	LEFT TURN YIELD ON GREEN	INCLUDED IN EX TRAFFIC SIGNAL REMOVAL	TO BE REPLACED	49+01.01	60.46' LT	MAST ARM POLE
D3-1	STREET NAME SIGN	INCLUDED IN EX TRAFFIC SIGNAL REMOVAL	TO BE REMOVED			
R10-3e	PUSH BUTTON SIGN	INCLUDED IN EX TRAFFIC SIGNAL REMOVAL	TO BE REPLACED	49+24.05	10.74' LT	SIGNAL POST
R10-5	LEFT ON GREEN ARROW ONLY	INCLUDED IN EX TRAFFIC SIGNAL REMOVAL	TO BE REPLACED			
R4-7	KEEP RIGHT	INCLUDED IN EX TRAFFIC SIGNAL REMOVAL	TO BE REPLACED			
R10-3e	PUSH BUTTON SIGN	INCLUDED IN EX TRAFFIC SIGNAL REMOVAL	TO BE REPLACED	49+60.49	61.22' RT	MAST ARM POLE
R10-5	LEFT ON GREEN ARROW ONLY	INCLUDED IN EX TRAFFIC SIGNAL REMOVAL	TO BE REPLACED			
R10-12	LEFT TURN YIELD ON GREEN	INCLUDED IN EX TRAFFIC SIGNAL REMOVAL	TO BE REPLACED			MAST ARM
R10-3e	PUSH BUTTON SIGN	INCLUDED IN EX TRAFFIC SIGNAL REMOVAL	TO BE REPLACED			SIGNAL POST
R10-3e	PUSH BUTTON SIGN	INCLUDED IN EX TRAFFIC SIGNAL REMOVAL	TO BE REPLACED	50+11.59	75.75' RT	MAST ARM POLE
R10-12	LEFT TURN YIELD ON GREEN	INCLUDED IN EX TRAFFIC SIGNAL REMOVAL	TO BE REPLACED			
R7-1	NO PARKING ANYTIME	INCLUDED IN EX TRAFFIC SIGNAL REMOVAL	TO BE REMOVED	50+32.09	59.02' LT	SIGNAL POST
R3-5L	MANDATORY LEFT TURN	INCLUDED IN EX TRAFFIC SIGNAL REMOVAL	TO BE REPLACED	50+51.31	2.05' RT	SIGNAL POST
R10-5	LEFT ON GREEN ARROW ONLY	INCLUDED IN EX TRAFFIC SIGNAL REMOVAL	TO BE REPLACED			
R4-7	KEEP RIGHT	INCLUDED IN EX TRAFFIC SIGNAL REMOVAL	TO BE REPLACED			
R10-12	LEFT TURN YIELD ON GREEN	INCLUDED IN EX TRAFFIC SIGNAL REMOVAL	TO BE REPLACED	50+67.76	61.69' RT	SIGNAL POST
R10-3e	PUSH BUTTON SIGN	INCLUDED IN EX TRAFFIC SIGNAL REMOVAL	TO BE REPLACED	50+51.60	86.08' RT	SIGNAL POST

*STATION AND OFFSET APPROXIMATE

MODEL: TS - Plan
FILE NAME: c:\bmsjp-dc-pw-01\dms04046\P17717-ref-border-temp.dgn

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - ARP, BJD	REVISED -	
	DRAWN - ARP, BJD	REVISED -	
PLOT SCALE = 40.000 ' / In.	CHECKED - BT, CMP	REVISED -	
PLOT DATE = 11/14/2025	DATE - 1/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING SIGNAGE SCHEDULE
IL ROUTE 72 AT HUNTINGTON BOULEVARD

SCALE: N.T.S. | SHEET 1 OF 4 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	38
		CONTRACT NO. 62V09		
		ILLINOIS	FED. AID PROJECT	

PROPOSED SIGN SCHEDULE

SIGN	SIGN DESCRIPTION	LOCATION			POST TYPE REQUIRED	TOTAL POST LENGTH REQUIRED	POST PAY ITEM
		STATION	OFFSET	MOUNT TYPE		(FT)	
R3-17a	BIKE LANE	21+29.46	43.51' RT	GROUND MOUNT	TELESCOPING	13.2	TELESCOPING STEEL SIGN SUPPORT
R3-17bP	"BEGINS" PLAQUE	21+29.46	43.51' RT				
R3-17a	BIKE LANE	21+39.87	49' LT	GROUND MOUNT	TELESCOPING	13.2	TELESCOPING STEEL SIGN SUPPORT
R3-17bP	"ENDS" PLAQUE	21+39.87	49' LT				
R10-12	LEFT TURN YIELD ON GREEN	49+11.14	73.34' LT	SIGNAL POST			
R10-26	PUSH BUTTON FOR GREEN LIGHT	49+12.73	78.56' RT	SIGNAL POST			
R10-5	LEFT ON GREEN ARROW ONLY			MAST ARM			
R4-7	KEEP RIGHT	49+32.61	0.30' LT	SIGNAL POST			
R3-5L	MANDATORY LEFT TURN			SIGNAL POST			
R10-5	LEFT ON GREEN ARROW ONLY	49+52.87	61.29' RT	SIGNAL POST			
R10-12	LEFT TURN YIELD ON GREEN			MAST ARM			
R10-5	LEFT ON GREEN ARROW ONLY	50+25.01	66.79' LT	SIGNAL POST			
R3-5R	MANDATORY RIGHT TURN			SIGNAL POST			
R10-12	LEFT TURN YIELD ON GREEN			MAST ARM			
R10-5	LEFT ON GREEN ARROW ONLY			MAST ARM			
R4-7	KEEP RIGHT	50+57.03	2.60' RT	SIGNAL POST			
R3-5L	MANDATORY LEFT TURN			SIGNAL POST			
R10-26	PUSH BUTTON FOR GREEN LIGHT	50+52.41	97.3' RT	SIGNAL POST			
R10-12	LEFT TURN YIELD ON GREEN	50+72.46	62.37' RT	MAST ARM POLE			
D3-1	HUNTINGTON BLVD	46+15.00	0' LT	GROUND MOUNT	TELESCOPING (2)	25	TELESCOPING STEEL SIGN SUPPORT
D3-1	HUNTINGTON BLVD	46+15.00	63.9' RT	GROUND MOUNT	TELESCOPING (2)	25	TELESCOPING STEEL SIGN SUPPORT
D3-1	HUNTINGTON BLVD	55+34.00	0' LT	GROUND MOUNT	TELESCOPING (2)	25	TELESCOPING STEEL SIGN SUPPORT
D3-1	HUNTINGTON BLVD	55+34.00	63.2' RT	GROUND MOUNT	TELESCOPING (2)	25	TELESCOPING STEEL SIGN SUPPORT

PAVEMENT MARKING LEGEND

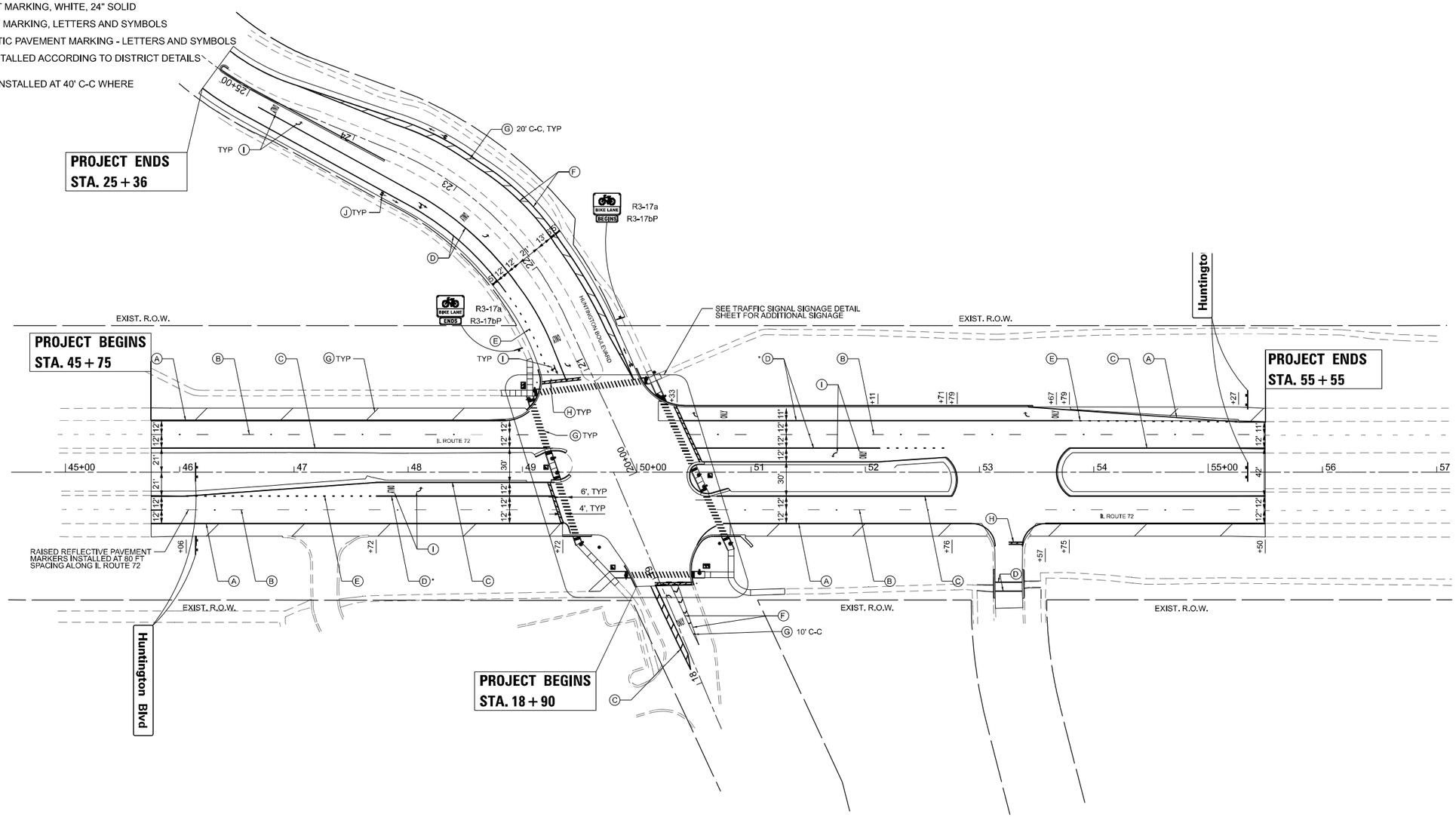
(A) - THERMOPLASTIC PAVEMENT MARKING, WHITE, 4" SOLID
(B) - THERMOPLASTIC PAVEMENT MARKING, WHITE, 4" DASHED, 10' DASH 30' SKIP
(C) - THERMOPLASTIC PAVEMENT MARKING, YELLOW, 4" SOLID
(D) - THERMOPLASTIC PAVEMENT MARKING, WHITE, 6" SOLID *
(E) - THERMOPLASTIC PAVEMENT MARKING, WHITE, 6" DASHED, 2' DASH 6' SKIP
(F) - THERMOPLASTIC PAVEMENT MARKING, WHITE, 8" SOLID
(G) - THERMOPLASTIC PAVEMENT MARKING, WHITE, 12" SOLID, 75' C-C UNLESS OTHERWISE NOTED
(H) - THERMOPLASTIC PAVEMENT MARKING, WHITE, 24" SOLID
(I) - THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS
(J) - PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS

PAVEMENT MARKINGS TO BE INSTALLED ACCORDING TO DISTRICT DETAILS TC-11 AND TC-13.

* CRYSTAL REFLECTORS TO BE INSTALLED AT 40' C-C WHERE MARKED ON PLANS

N

0 50 100 150
SCALE IN FEET



NOTE

EXISTING SIGNAGE THAT IS TO REMAIN IN PLACE AND IS NOT INCLUDED IN REMOVAL AND REPLACEMENT SHALL BE PROTECTED IN PLACE.

MODEL: TS - Plan
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Peralte-Clark LLC

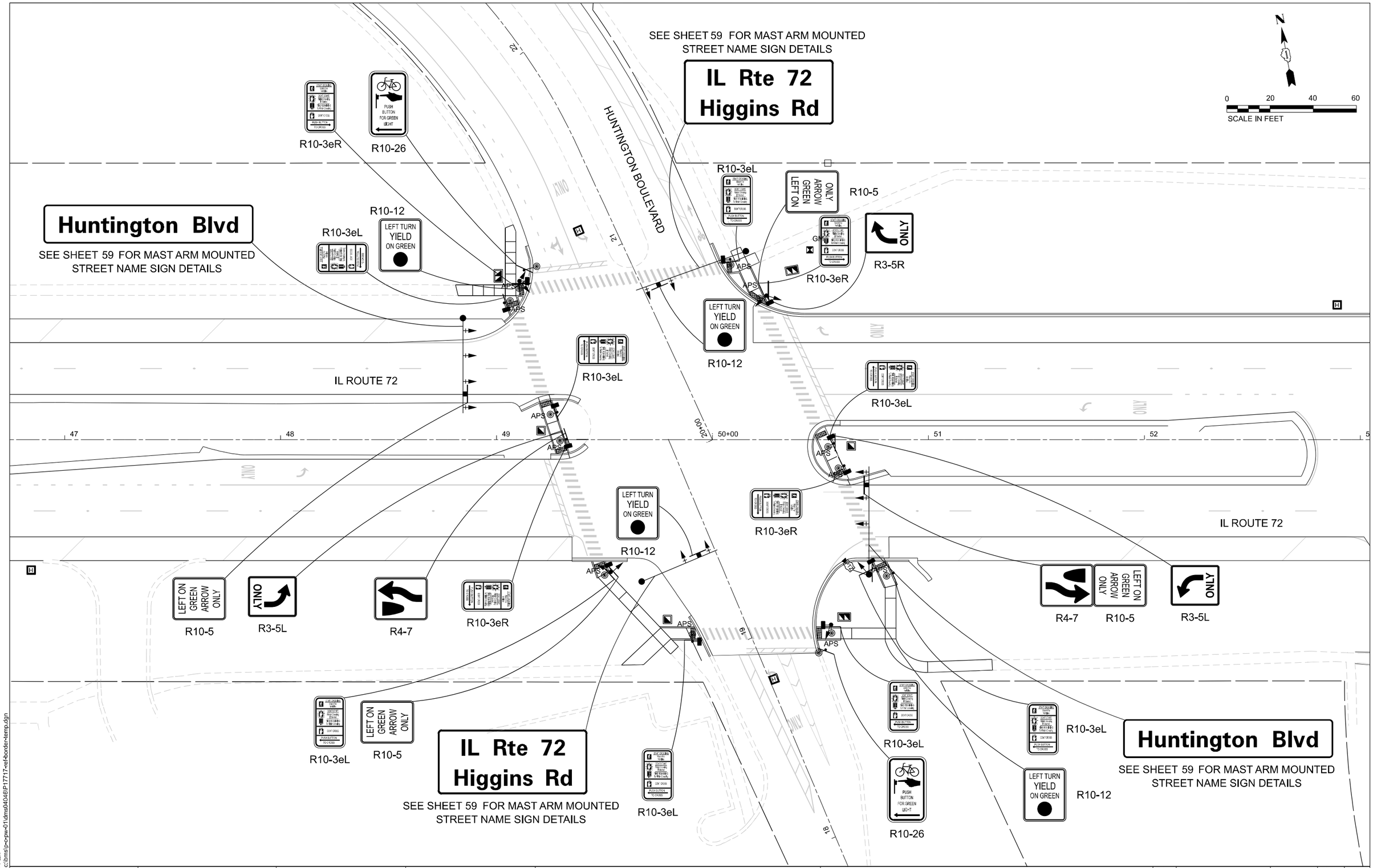
USER NAME = brandon.dengel	DESIGNED - ARP, BJD	REVISED -	
	DRAWN - ARP, BJD	REVISED -	
PLOT SCALE = 100.000 ' / in.	CHECKED - BT, CMP	REVISED -	
PLOT DATE = 11/14/2025	DATE - 1/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN
IL ROUTE 72 AT HUNTINGTON BOULEVARD

SCALE: 1" = 50' | SHEET 3 OF 4 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	40
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		



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Peralte-Clark LLC	USER NAME = brandon.dengel	DESIGNED - ARP, BJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL SIGNAGE DETAIL IL ROUTE 72 AT HUNTINGTON BOULEVARD
		DRAWN - ARP, BJD	REVISED -		
	PLOT SCALE = 40.001 ' / in.	CHECKED - BT, CMP	REVISED -		
	PLOT DATE = 1/23/2026	DATE - 1/10/2025	REVISED -		SCALE: 1" = 20' SHEET 4 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	41
		CONTRACT NO. 62V09		
		ILLINOIS FED. AID PROJECT		

N

0 50 100 150

SCALE IN FEET

SEEDING CLASS 1A

HUNTINGTON BLVD.

SEEDING CLASS 2A
10' WIDE

SEEDING CLASS 2
15' - 18' WIDE

EXIST. R.O.W.

CONC
36" CONC CULV

WB IL ROUTE 72 (HIGGINS ROAD)

EB IL ROUTE 72 (HIGGINS ROAD)

245+00 246 247 248 249 250+00 251 252 253 254 255+00 256 257 258 259

145+00 46 47 48 49 50+00 51 52 53 54 55+00 56 57 58 59

145+00 146 147 148 149 150+00 151 152 153 154 155+00 156 157 158

47+79

50+26

50+80

51+05

52+92

53+52

55+50

30" CONC CULV

SEEDING CLASS 2
28'-30' WIDE

SEEDING CLASS 2A
10' WIDE

SEEDING CLASS 2
30' WIDE

SEEDING CLASS 2A
10' WIDE

SEEDING CLASS 2
20' WIDE

OAKMONT RD.

LANDSCAPING LEGEND

SEEDING CLASS 1A
TOPSOIL EXC & PLAC
EROSION CONTROL BLANKET

SEEDING CLASS 2A
TOPSOIL EXC & PLAC
EROSION CONTROL BLANKET

SEEDING CLASS 2
TOPSOIL EXC & PLAC
EROSION CONTROL BLANKET

MODEL: Plan 50 Scale LS [sheet]
FILE NAME: J:\2024\6081W1\D162V09\CADD Data\Sheets\D162V09-LS.dgn

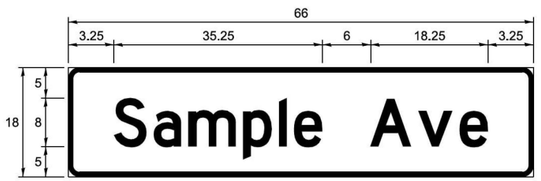
ABNA
DESIGN FIRM REG. 184.002117

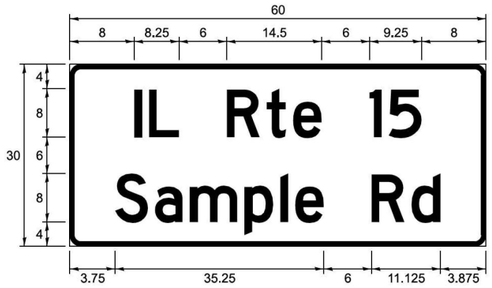
USER NAME = galsallani	DESIGNED - CT	REVISED - ####	**STATE OF ILLINOIS**	**IL-72 AT HUNTINGTON BLVD**	
	DRAWN - ABD	REVISED - ####	**DEPARTMENT OF TRANSPORTATION**	**LANDSCAPING PLAN**	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED - ####		SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 45+00.00 TO STA. 59+00.00	
PLOT DATE = 11/12/2025	DATE - 01/10/2025	REVISED - ####			

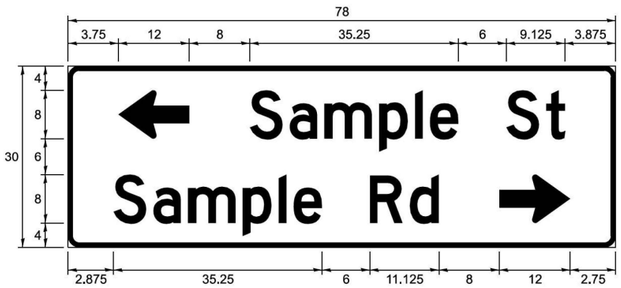
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	42
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		

SIGN PANEL - TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE







DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
C OR D	-	1 OR 2	ZZ	-

COMMON STREET NAME ABBREVIATIONS

NAME	ABBREVIATION	LENGTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15	18.25
BOULEVARD	Blvd	17.125	20
CIRCLE	Cir	11.125	13
COURT	Ct	8.25	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22
ILLINOIS	IL	7	8.25
LANE	Ln	9.125	10.75
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.75
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.5
STREET	St	8	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.75	9.125
UNITED STATES	US	10.375	12.25

GENERAL NOTES

1. WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ONSTANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
2. ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
3. THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE 3/4" WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. THE SPACING BETWEEN THE LEFT OR RIGHT ARROW AND THE ADJACENT WORD SHOULD BE 8", BUT MAY BE REDUCED TO 6" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
4. THE PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE THE SERIES "D" ALPHABET ON A ONE-LINE SIGN THAT IS 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8"-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A ONE-LINE 8'-0" SIGN, A 30" HEIGHT TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION (I.E. STREET, AVENUE, ETC.) SHALL BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
5. LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENTS AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
6. SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

- J.O. HERBERT COMPANY, INC
  MIDLOTHIAN, VA
- WESTERN REMAC, INC.
  WOODRIDGE, IL

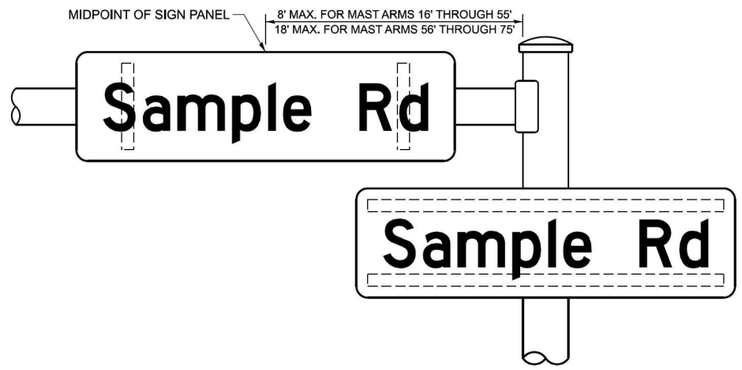
PARTS LISTING:

-SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
-SIGN SCREWS	1/4" x 14 x 1" H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
-BRACKETS	PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

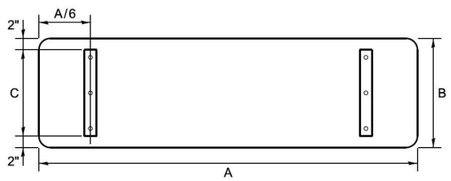
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATIONS

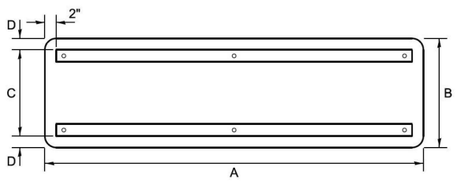
ARM OR POLE MOUNTED



SUPPORTING CHANNELS



A	B	C
VAR.	18"	14"
VAR.	30"	26"



A	B	C	D
VAR.	18"	12"	3"
VAR.	30"	22"	4"

STANDARD ALPHABETS SPACING CHART

MEASUREMENTS BASED ON 8" UPPER CASE LETTER HEIGHT

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS

SCALE: NONE | SHEET 11 OF 9 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341		COOK	86	43
	TS-02	CONTRACT NO. 62V09		
		ILLINOIS FED. AID PROJECT		

TS-02.dgn 12/16/2025 2:25:31 PM User=lawrence.demanche

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED
CONTROLLER CABINET		
COMMUNICATION CABINET	ECC	CC
MASTER CONTROLLER	EMC	MC
MASTER MASTER CONTROLLER	EMMC	MMC
UNINTERRUPTABLE POWER SUPPLY		
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
TELEPHONE CONNECTION	ET	T
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		BM
WOOD POLE		
GUY WIRE		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED	P P	P P
FLASHER INSTALLATION -(FS) SOLAR POWERED	F FS F FS	F FS F FS
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	APS	APS
RADAR DETECTION SENSOR	R	R
VIDEO DETECTION CAMERA	V	V
RADAR/VIDEO DETECTION ZONE		
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H	H
DOUBLE HANDHOLE		
JUNCTION BOX	J	J
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET		
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVE ITEM		R
RELOCATE ITEM		RL
ABANDON ITEM		A
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF
MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF
SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF
DETECTOR LOOP, TYPE I		
PREFORMED DETECTOR LOOP	P P	P P
SAMPLING (SYSTEM) DETECTOR	S S	S S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS IS	IS IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS QS	QS QS
WIRELESS DETECTOR SENSOR	W	W
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	P	P
SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	P RB	P RB
PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C D	C D
ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED	5	5
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)	1#6	1#6
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	1	1
COAXIAL CABLE	C	C
VENDOR CABLE	V	V
COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	6#18	6#18
FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	12F 24F 36F	12F 24F 36F
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

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PLOT DATE = 3/4/2019	DATE - 9/29/2016	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: N/A | SHEET 2 OF 9 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341		COOK	86	44
	TS–05	CONTRACT NO. 62V09		
		ILLINOIS	FED. AID PROJECT	

tss05.dgn 3/4/2019 11:21:59 AM User=footemj

LOOP DETECTOR NOTES

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

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

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

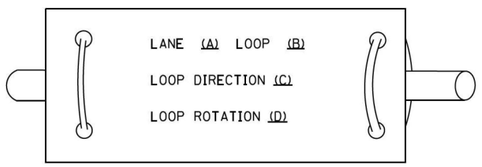
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

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

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

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

LOOP LEAD-IN CABLE TAG

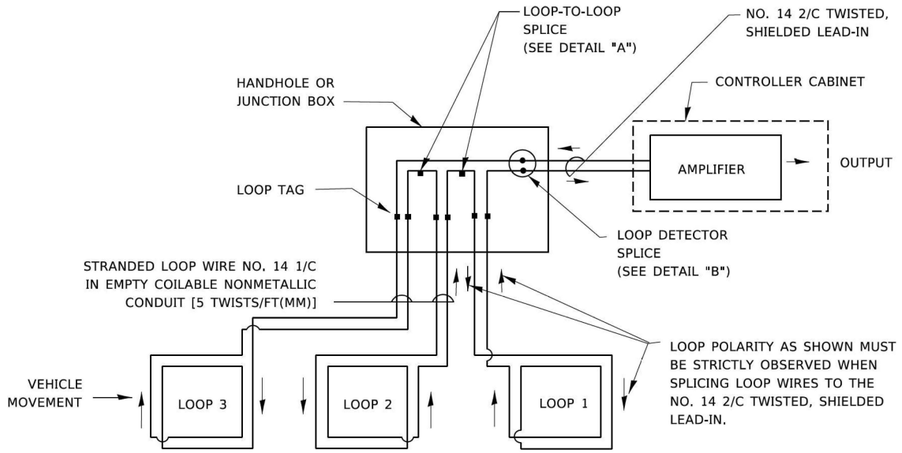


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

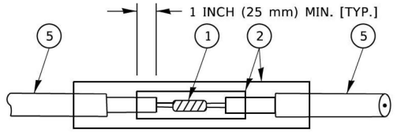
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

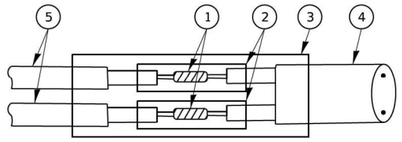


DETECTOR LOOP WIRING SCHEMATIC

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

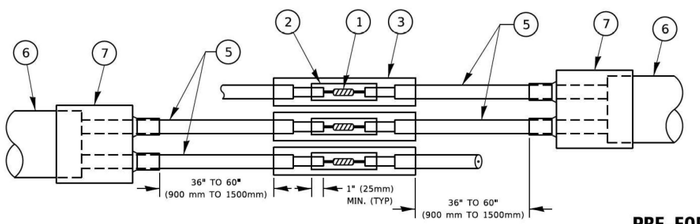


DETAIL "A"
LOOP-TO-LOOP SPLICE



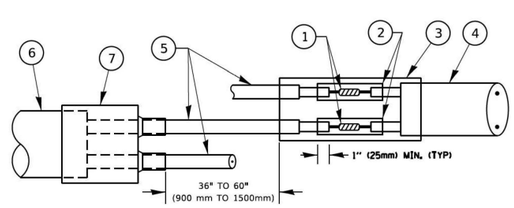
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

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

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

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

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

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

(6) XL POLYOLEFIN 2 CONDUCTOR

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

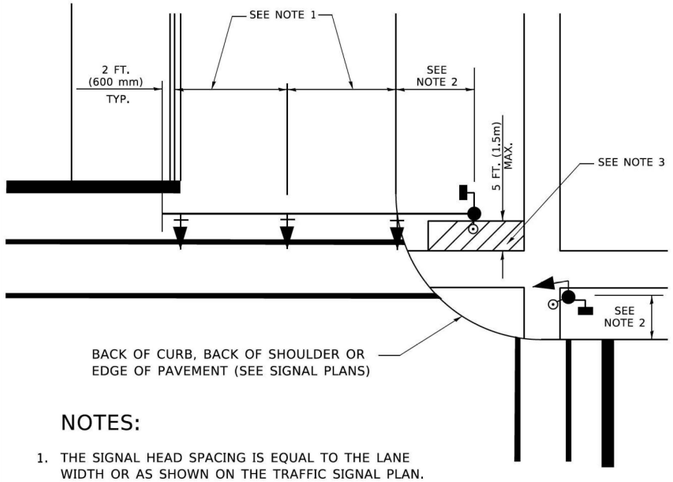
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: N/A | SHEET 3 OF 9 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341		COOK	86	45
	TS-05	CONTRACT NO. 62V09		
		ILLINOIS FED. AID PROJECT		

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

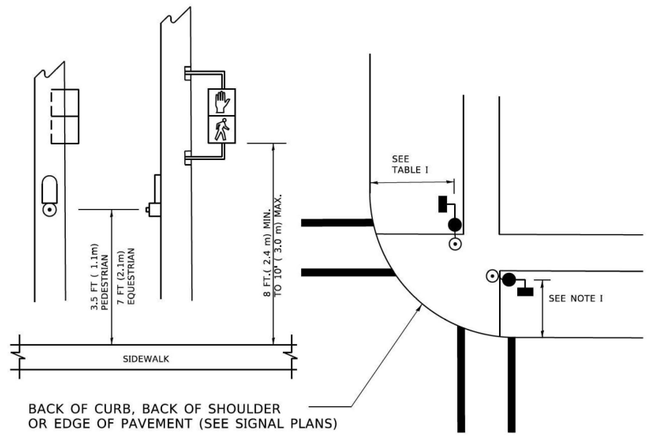
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

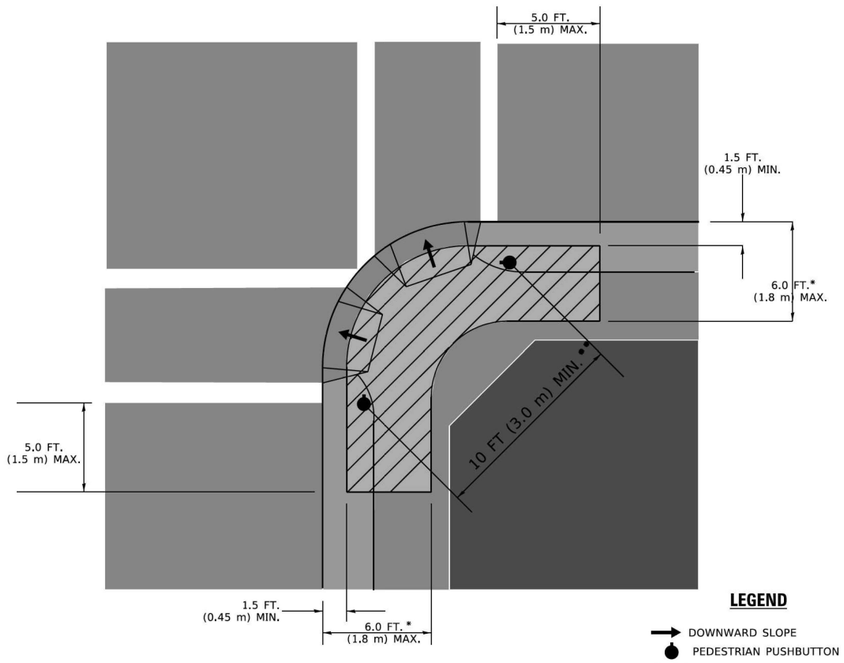
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TOTHE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: N/A | SHEET 4 OF 9 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341		COOK	86	46
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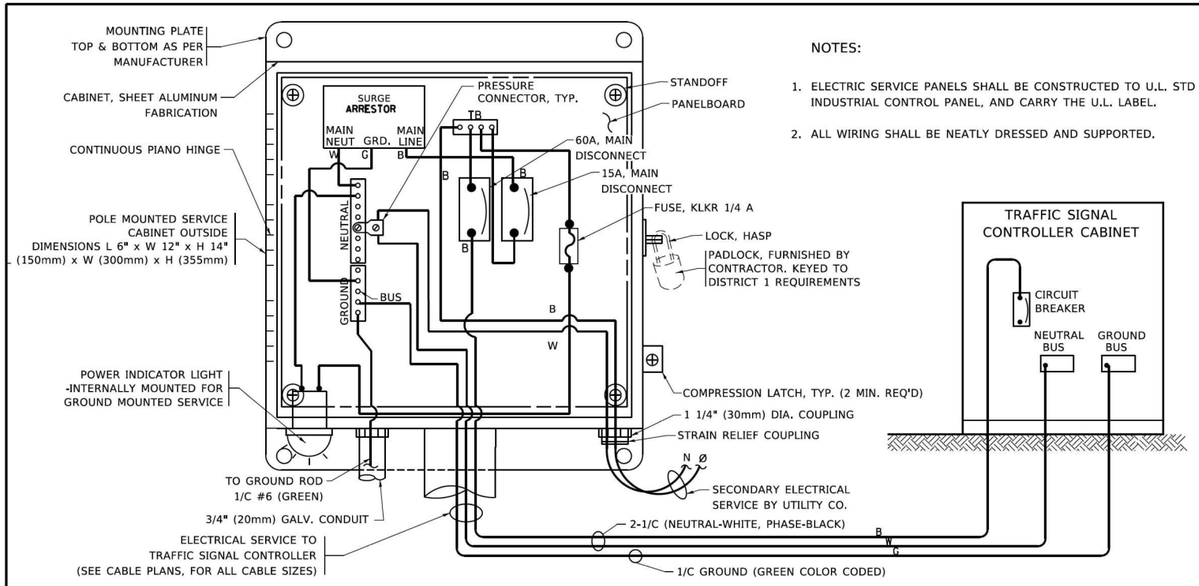


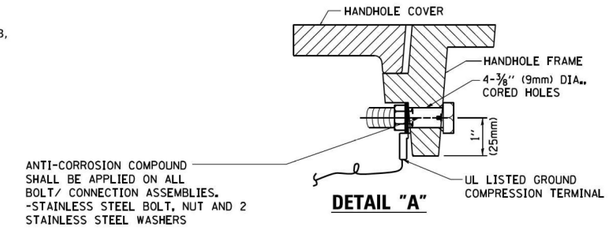
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

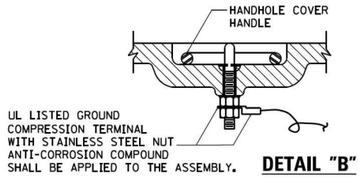
ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

(NOT TO SCALE)



DETAIL "A"

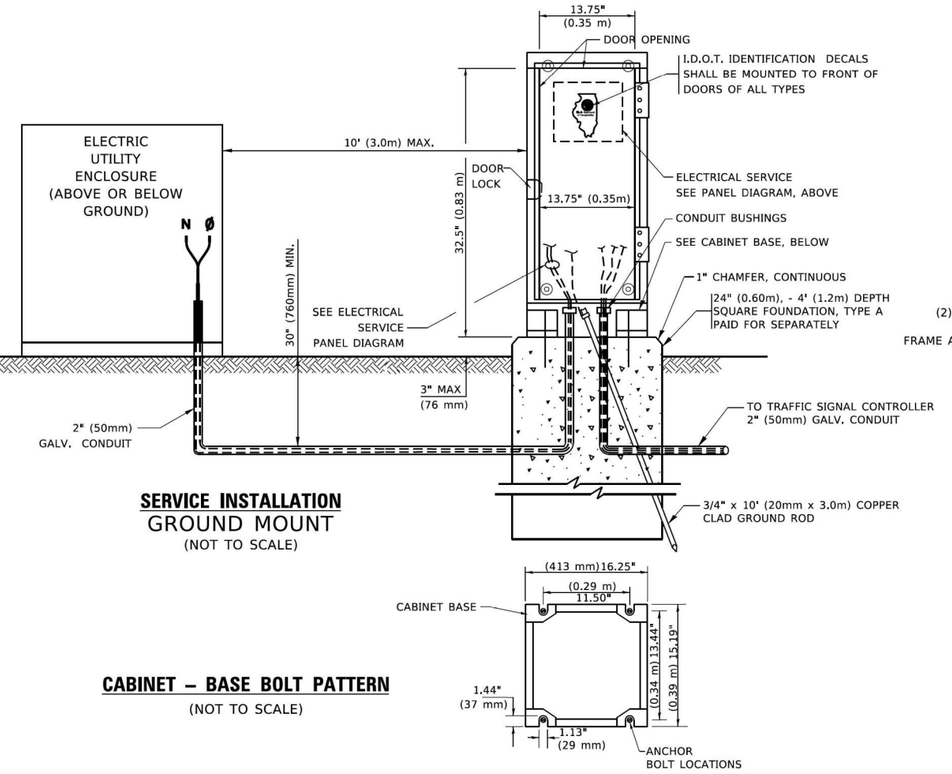


DETAIL "B"

NOTES:

GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC,). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



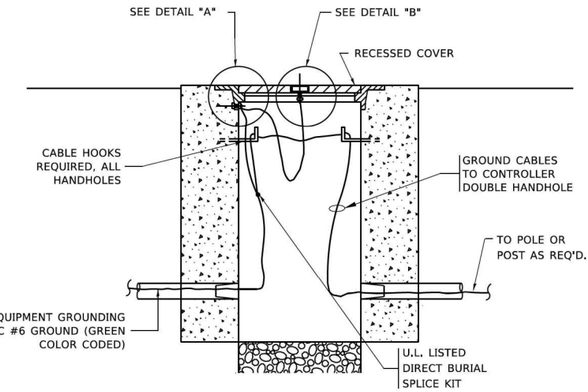
SERVICE INSTALLATION

GROUND MOUNT

(NOT TO SCALE)

CABINET – BASE BOLT PATTERN

(NOT TO SCALE)



HANDHOLE COVER & FRAME – GROUNDING DETAIL

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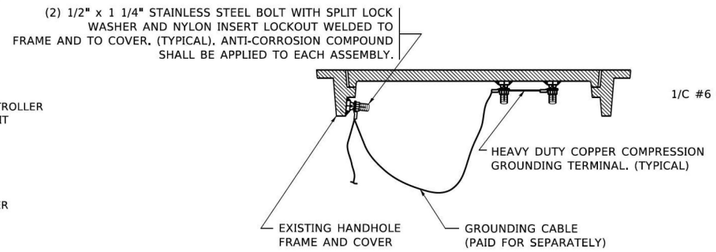
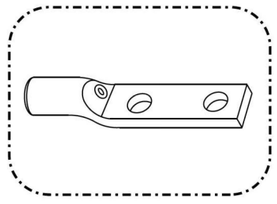


EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)

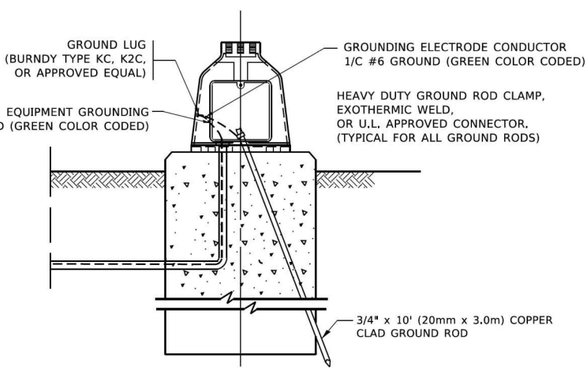


HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)

¾" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)

NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
  6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
  13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
  5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



MAST ARM POLE /POST–GROUNDING DETAIL

(NOT TO SCALE)

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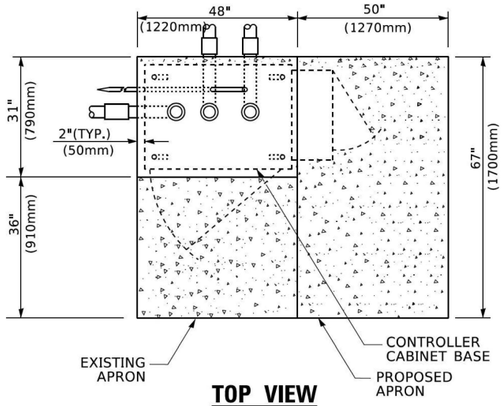
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

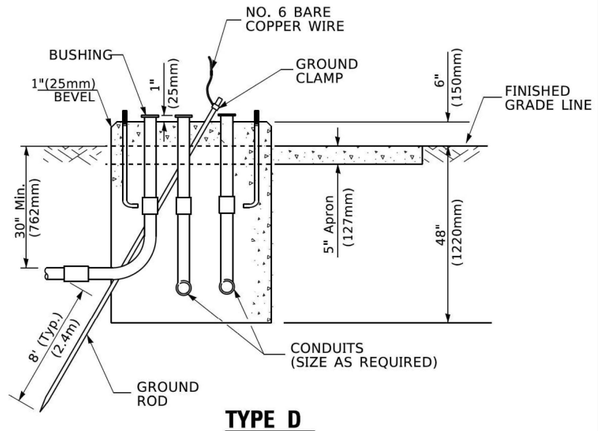
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: N/A | SHEET 5 OF 9 SHEETS | STA. | TO STA.

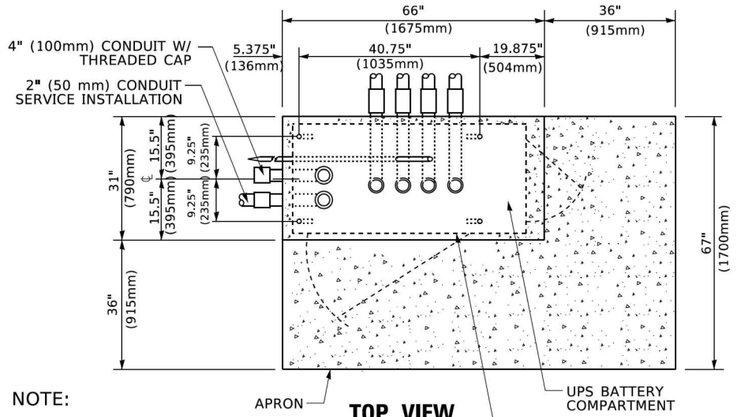
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341		COOK	86	47
	TS-05	CONTRACT NO. 62V09		
		ILLINOIS	FED. AID PROJECT	



TOP VIEW



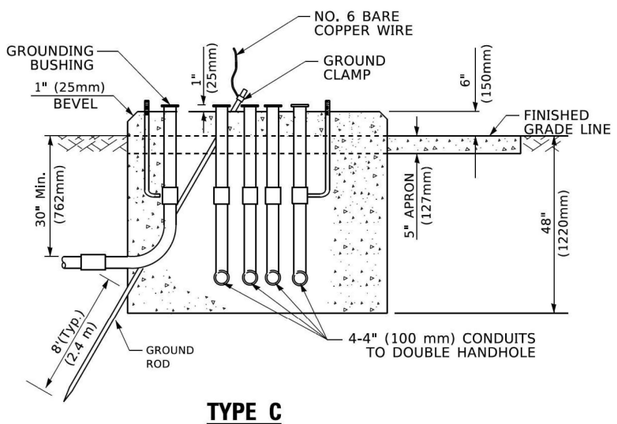
TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



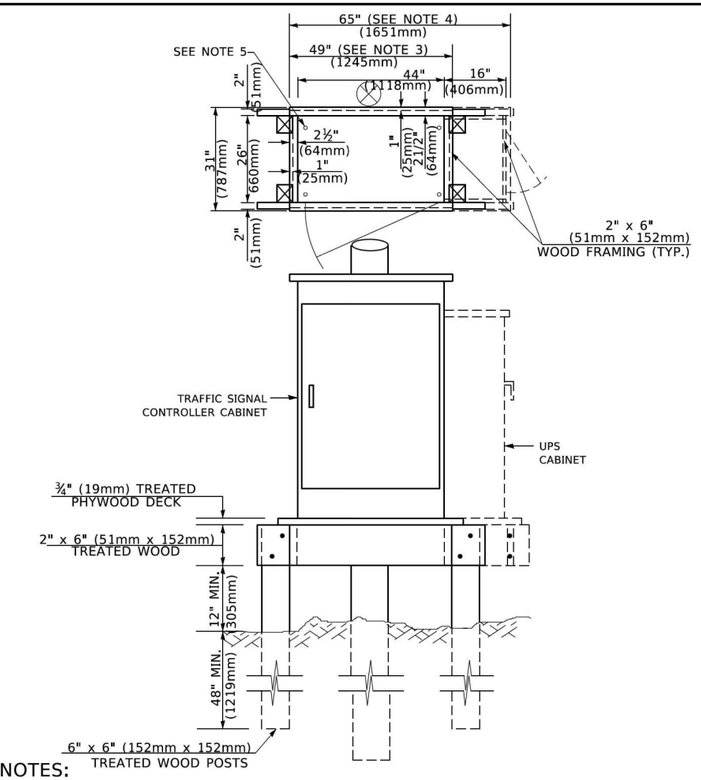
NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

TOP VIEW



TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: N/A | SHEET 6 OF 9 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341		COOK	86	48
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	ILLINOIS	FED. AID PROJECT		

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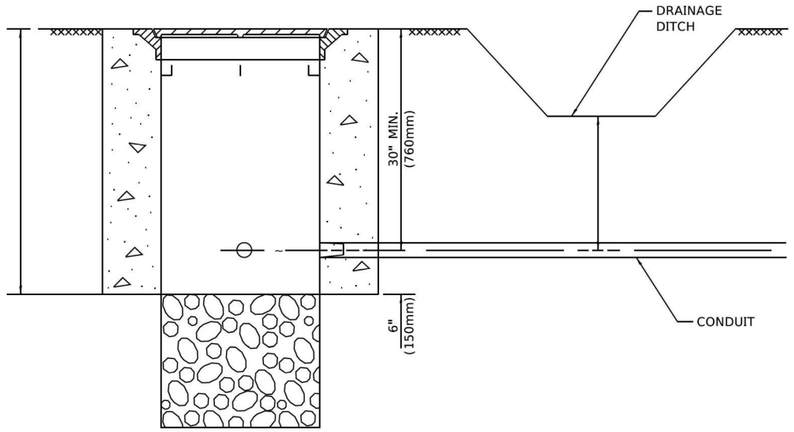
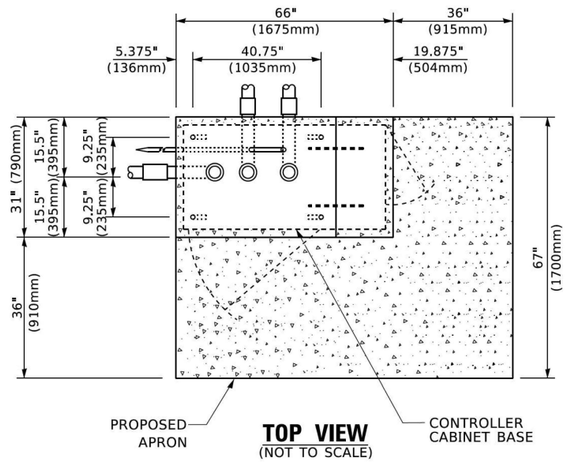


NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



TOP VIEW

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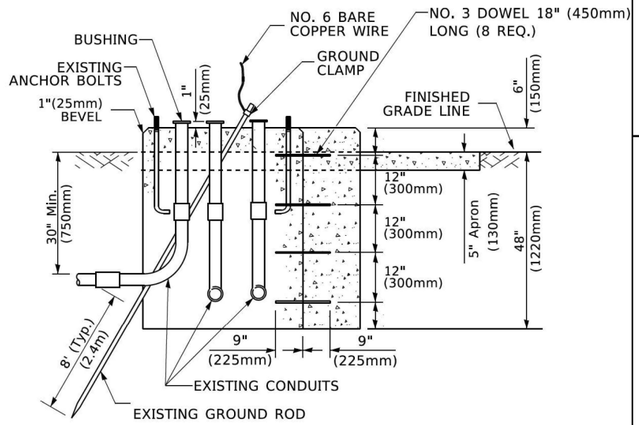
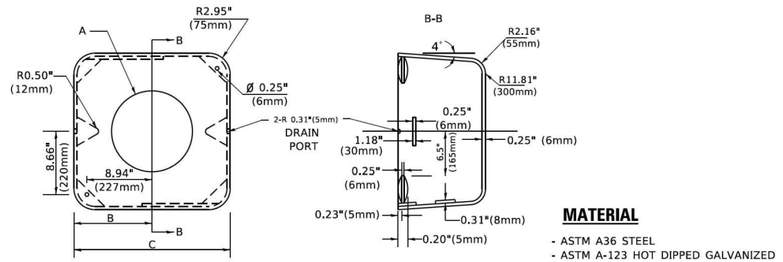


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

(NOT TO SCALE)



MATERIAL

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

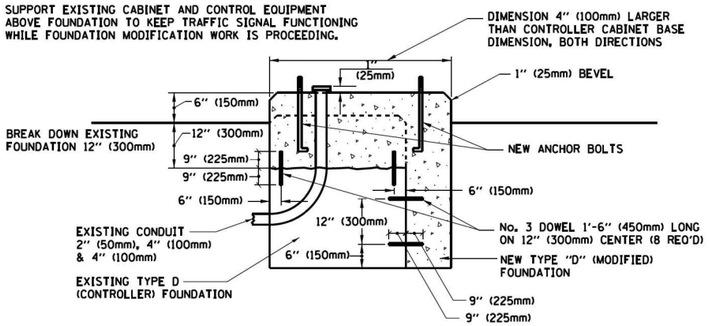
SHROUD

NOTES:

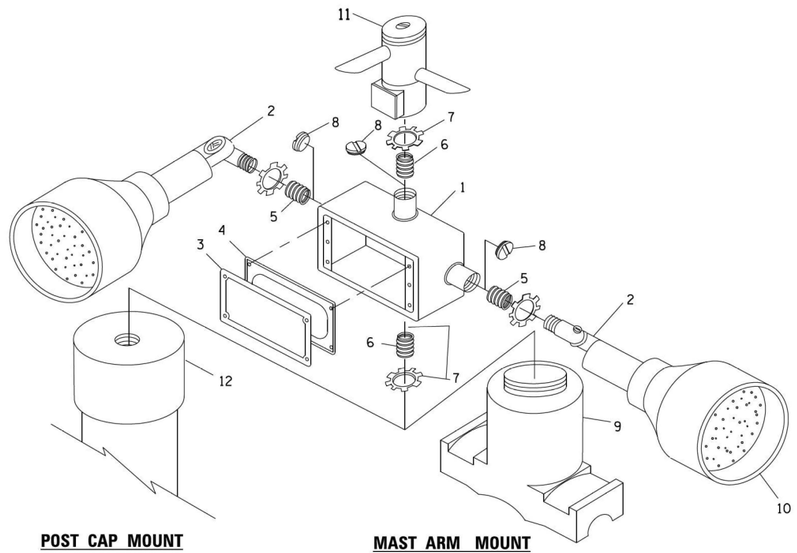
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



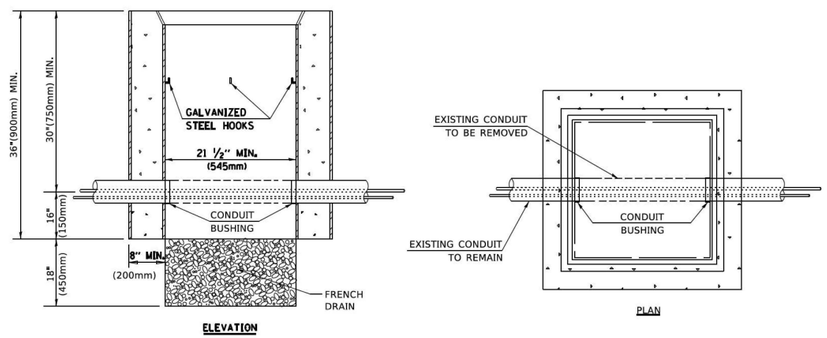
POST CAP MOUNT **MAST ARM MOUNT**

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
   ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
   ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: N/A | SHEET 7 OF 9 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	TS-05	CONTRACT NO. 62V09		
		ILLINOIS FED. AID PROJECT		

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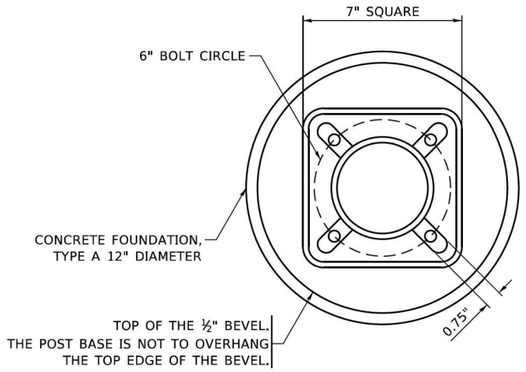
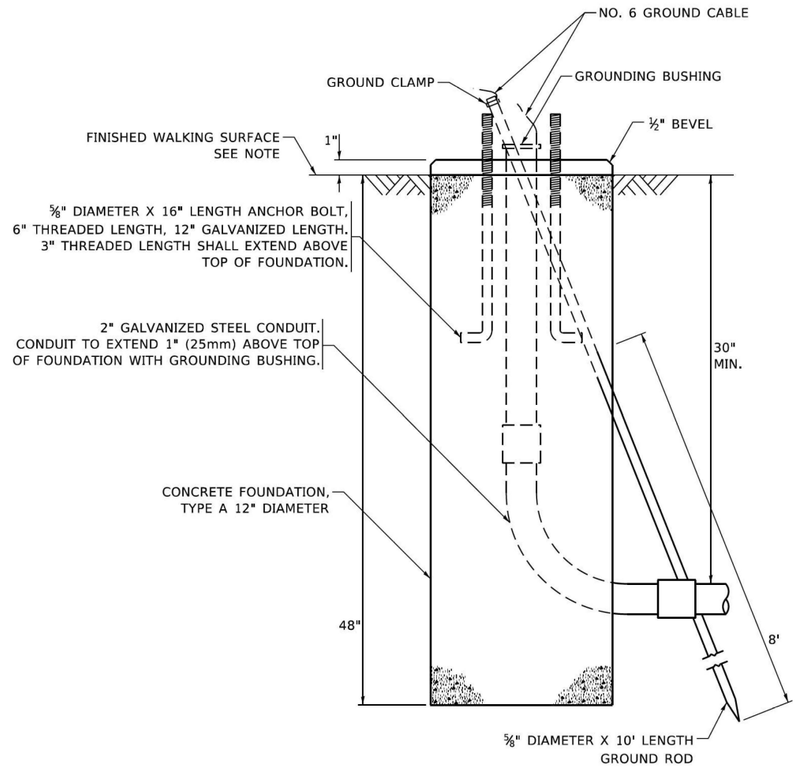


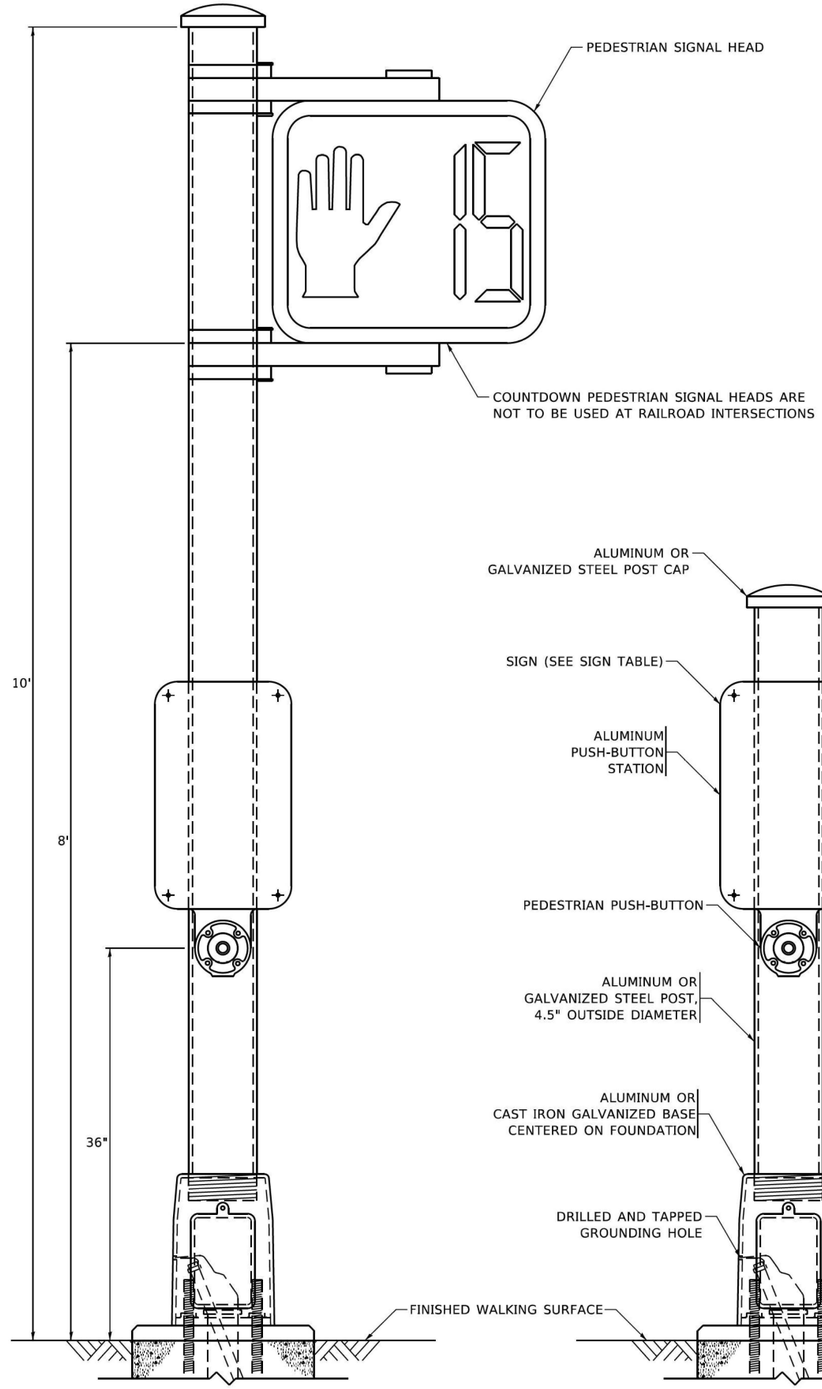
BOLT PATTERN

NOTE:

1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.

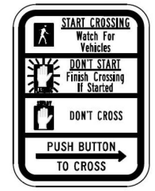


CONCRETE FOUNDATION, TYPE A 12–INCH DIAMETER



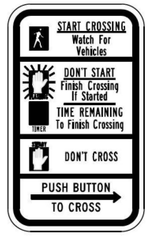
PEDESTRIAN SIGNAL POST, 10 FT.

PEDESTRIAN SIGNAL POST, 5 FT.



R10–3b

R10–3d



R10–3e

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 12"

NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

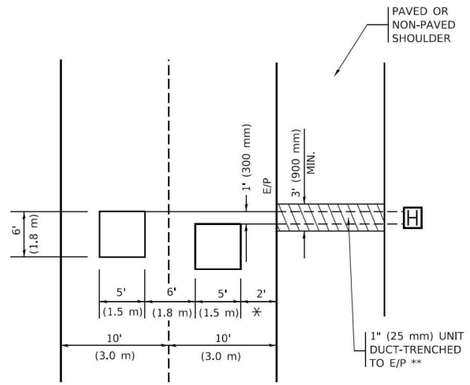
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: N/A | SHEET 8 OF 9 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341		COOK	86	50
	TS–05	CONTRACT NO. 62V09		
		ILLINOIS FED. AID PROJECT		

LOOPS NEXT TO SHOULDERS

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



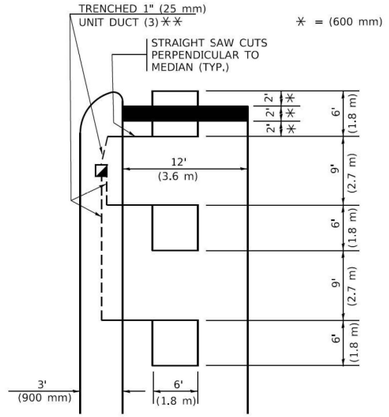
⁎ = (600 mm)

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

LEFT TURN LANES WITH MEDIANS

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

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



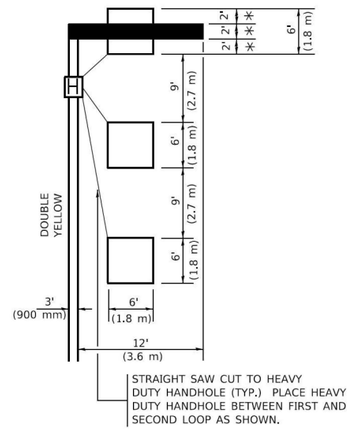
** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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

LEFT TURN LANES WITHOUT MEDIANS

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

⁎ = (600 mm)



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

NOTES:

VEHICLES LOOP DETECTORS

⁎ ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.

⁎ EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.

⁎ EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATLY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.

⁎ ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)

⁎ EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.

⁎ WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).

⁎ WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

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

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

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

NOTE:

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

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

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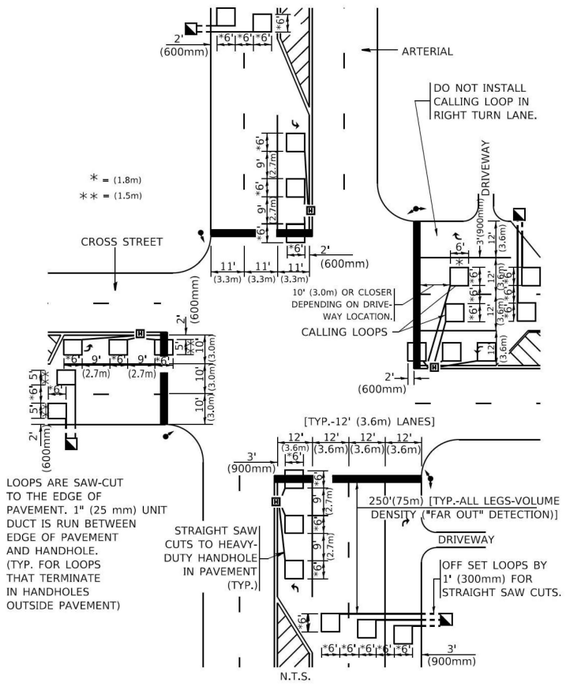
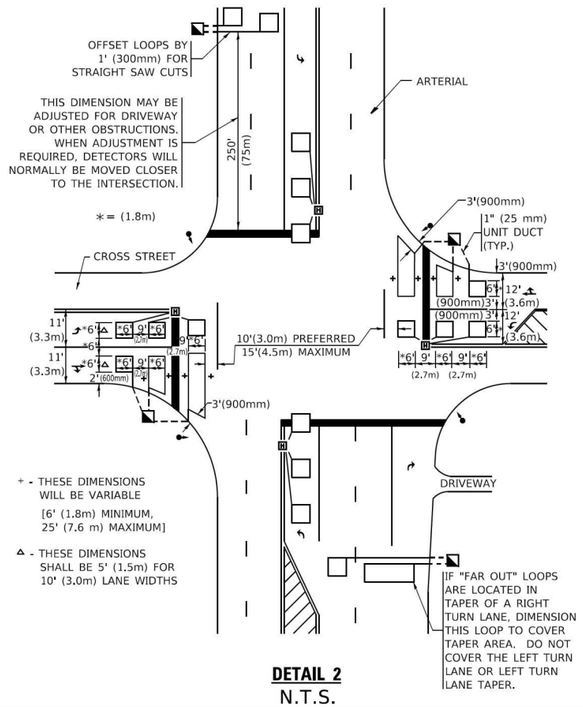
CROSS STREET-NON VOLUME DENSITY ("FAR OUT" DETECTION)



DETAIL 1
N.T.S.

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



DETAIL 2
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 – DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

SCALE: NONE | SHEET 9 OF 9 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341		COOK	86	51
	TS-07	CONTRACT NO. 62V09		
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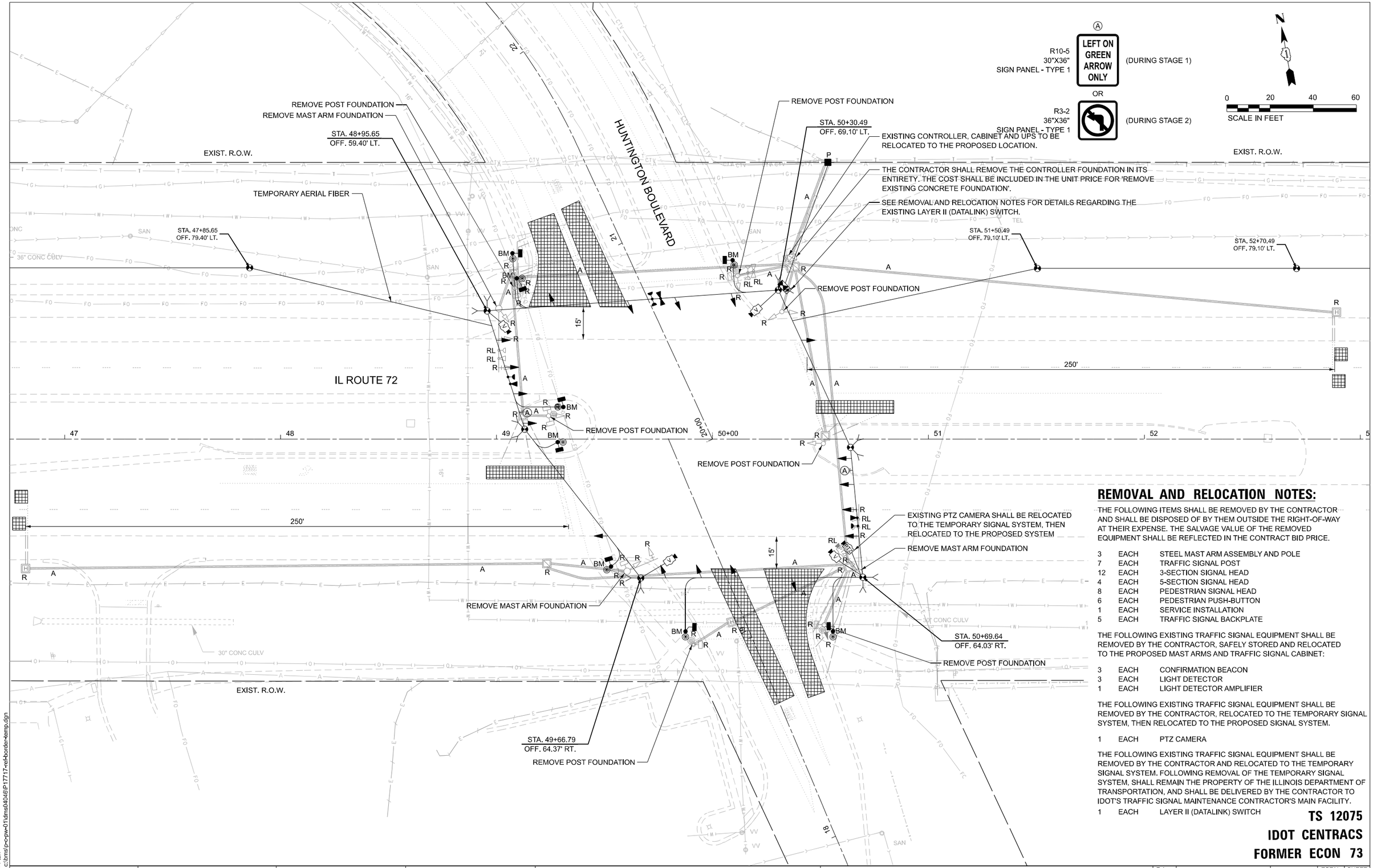


REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

3	EACH	STEEL MAST ARM ASSEMBLY AND POLE
7	EACH	TRAFFIC SIGNAL POST
12	EACH	3-SECTION SIGNAL HEAD
4	EACH	5-SECTION SIGNAL HEAD
8	EACH	PEDESTRIAN SIGNAL HEAD
6	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	SERVICE INSTALLATION
5	EACH	TRAFFIC SIGNAL BACKPLATE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CABINET:

3	EACH	CONFIRMATION BEACON
3	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, RELOCATED TO THE TEMPORARY SIGNAL SYSTEM, THEN RELOCATED TO THE PROPOSED SIGNAL SYSTEM.

1	EACH	PTZ CAMERA

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE TEMPORARY SIGNAL SYSTEM. FOLLOWING REMOVAL OF THE TEMPORARY SIGNAL SYSTEM, SHALL REMAIN THE PROPERTY OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, AND SHALL BE DELIVERED BY THE CONTRACTOR TO IDOT'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY.

1	EACH	LAYER II (DATALINK) SWITCH

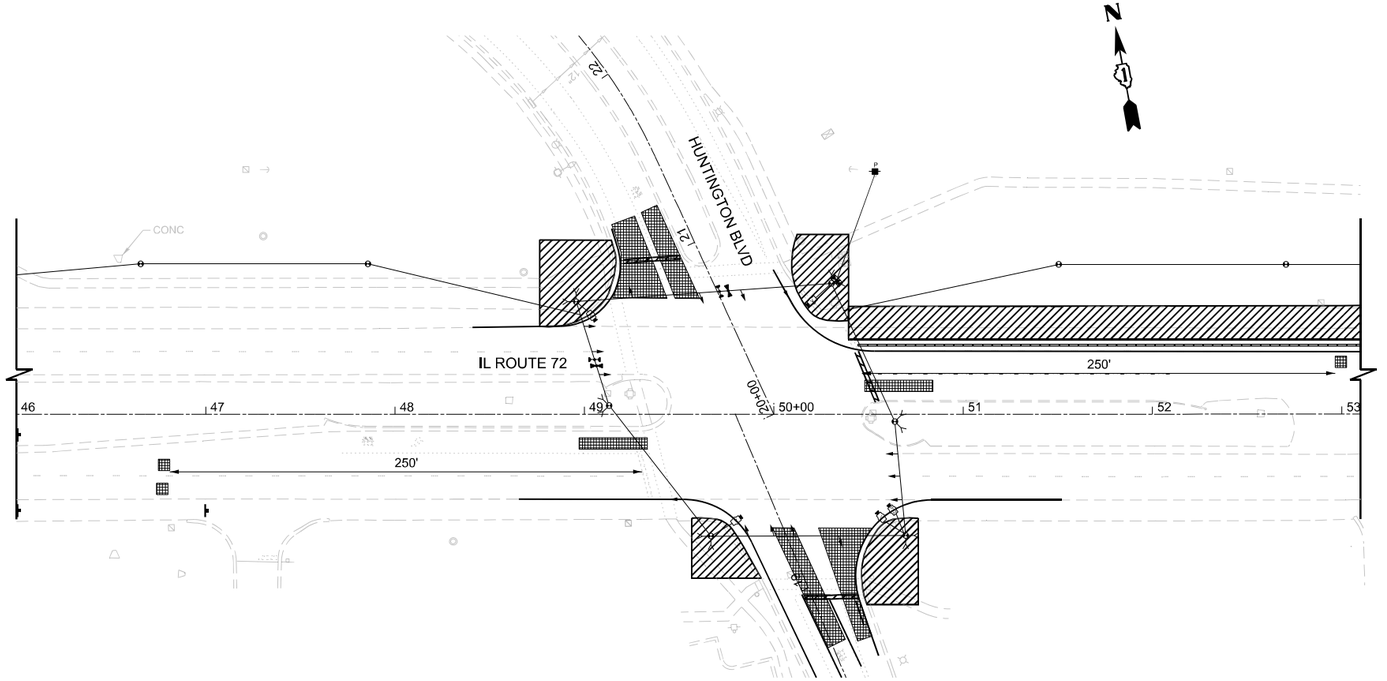
TS 12075
IDOT CENTRACS
FORMER ECON 73

MODEL: TS - Plan
FILE NAME: c:\bms\pw-pw~01\dms04046\P17717-eldborder-temp.dgn

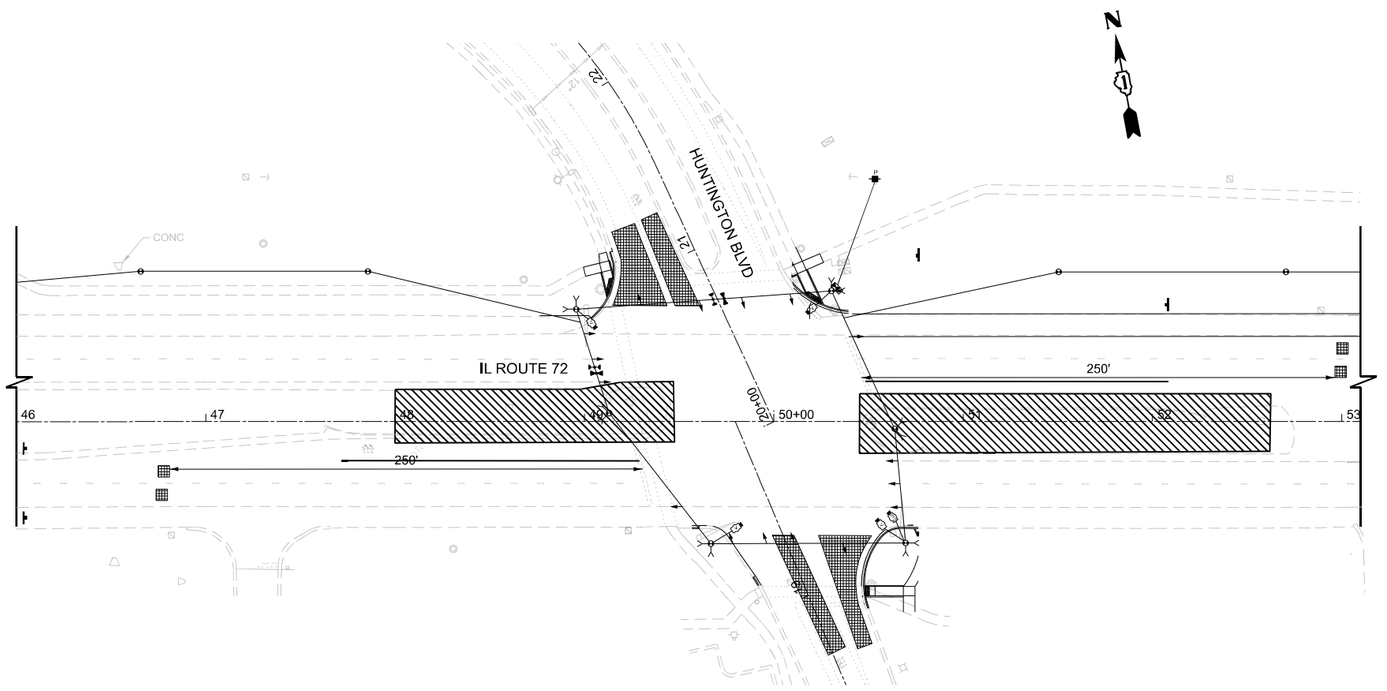
Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - ARP, BJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN IL ROUTE 72 AT HUNTINGTON BOULEVARD	
	DRAWN - ARP, BJD	REVISED -			
PLOT SCALE = 40.000 ' / In.	CHECKED - BT, CMP	REVISED -			
PLOT DATE = 1/23/2026	DATE - 1/10/2025	REVISED -		SCALE: 1" = 20' SHEET 1 OF 12 SHEETS STA. TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	52
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		



TEMPORARY TRAFFIC SIGNAL STAGE 1



TEMPORARY TRAFFIC SIGNAL STAGE 2

TS 12075
IDOT CENTRACS
FORMER ECON 73

MODEL: TS - Plan
FILE NAME: c:\bms\p-c-pw-01\dms04046\P17717-eHborder-temp.dgn

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - ARP, BJD	REVISED -	
	DRAWN - ARP, BJD	REVISED -	
PLOT SCALE = 40.000 ' / In.	CHECKED - BT, CMP	REVISED -	
PLOT DATE = 11/14/2025	DATE - 1/10/2025	REVISED -	

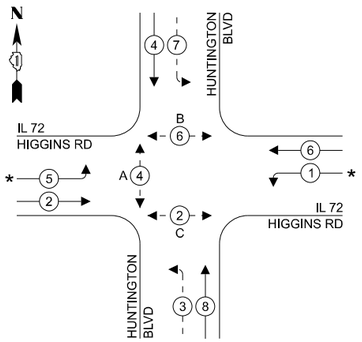
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
IL ROUTE 72 AT HUNTINGTON BOULEVARD

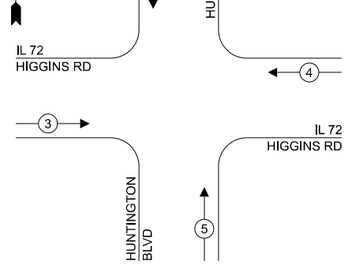
SCALE: N.T.S. | SHEET 2 OF 12 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	53
		CONTRACT NO. 62V09		
	ILLINOIS FED. AID PROJECT			

TEMPORARY CONTROLLER SEQUENCE

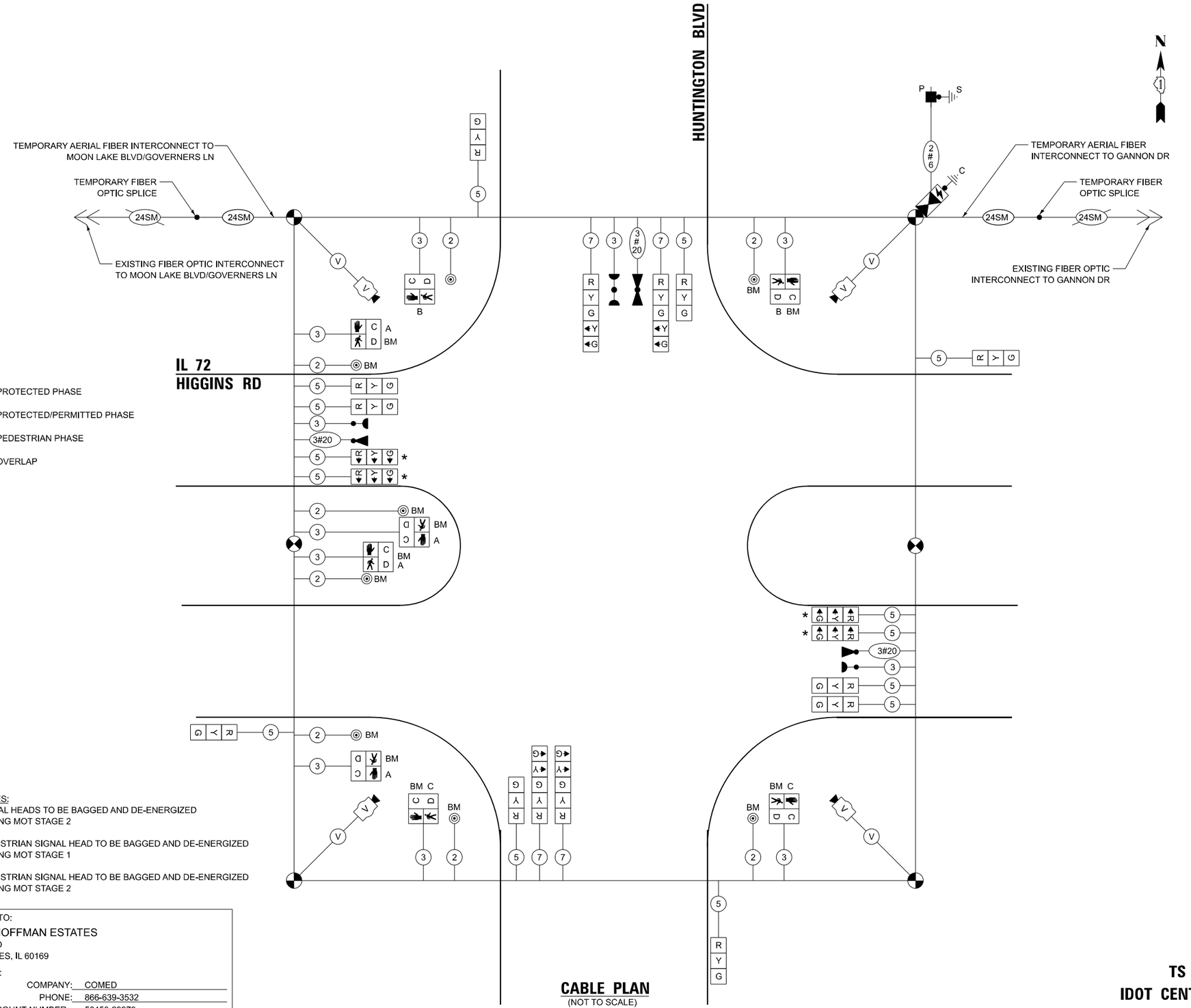


TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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



TEMPORARY TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE		QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	1 OR 3-SECTION	14	11	154
	4-SECTION	-	14	-
	5-SECTION	4	13	52
PROGRAMMABLE	3-SECTION	-	22	-
	4-SECTION	-	32	-
	5-SECTION	-	28	-
PEDESTRIAN SIGNAL		8	15	120
CONTROLLER		1	150	150
MASTER CONTROLLER		-	100	-
UPS		1	25	25
DETECTION	RADAR OR VIDEO	4	20	80
BLANK-OUT SIGN		-	25	-
NETWORK SWITCH	II OR III	1	35	35
CELLULAR MODEM		-	15	15
	TOTAL UPS SIZING			616
UPS CHARGING		1	225	225
BATTERY HEATER MAT		1	180	180
CABINET HEATER		1	200	200
FLASHER		-	15	-
LED STREET NAME SIGN		-	120	-
LUMINAIRE		-	240	-
	TOTAL SERVICE WIRE SIZING			1,221

NOTES:

* SIGNAL HEADS TO BE BAGGED AND DE-ENERGIZED DURING MOT STAGE 2

A, B & C PEDESTRIAN SIGNAL HEAD TO BE BAGGED AND DE-ENERGIZED DURING MOT STAGE 1

A & C PEDESTRIAN SIGNAL HEAD TO BE BAGGED AND DE-ENERGIZED DURING MOT STAGE 2

ENERGY COSTS TO:
VILLAGE OF HOFFMAN ESTATES
1900 HASSELL RD
HOFFMAN ESTATES, IL 60169

ENERGY SUPPLY:
COMPANY: COMED
PHONE: 866-639-3532
ACCOUNT NUMBER: 56450-29979
METER NUMBER: ---

CABLE PLAN
(NOT TO SCALE)

TS 12075
IDOT CENTRACS
FORMER ECON 73

MODEL: TS - Plan
FILE NAME: c:\bms\pw-p\pw-01\dms04046\P17717-eldborder-4temp.dgn

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - ARP, BJD	REVISED -	
	DRAWN - ARP, BJD	REVISED -	
PLOT SCALE = 40.000 ' / In.	CHECKED - BT, CMP	REVISED -	
PLOT DATE = 11/14/2025	DATE - 1/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, PHASE DIAGRAM & EVP SEQUENCE
IL ROUTE 72 AT HUNTINGTON BOULEVARD

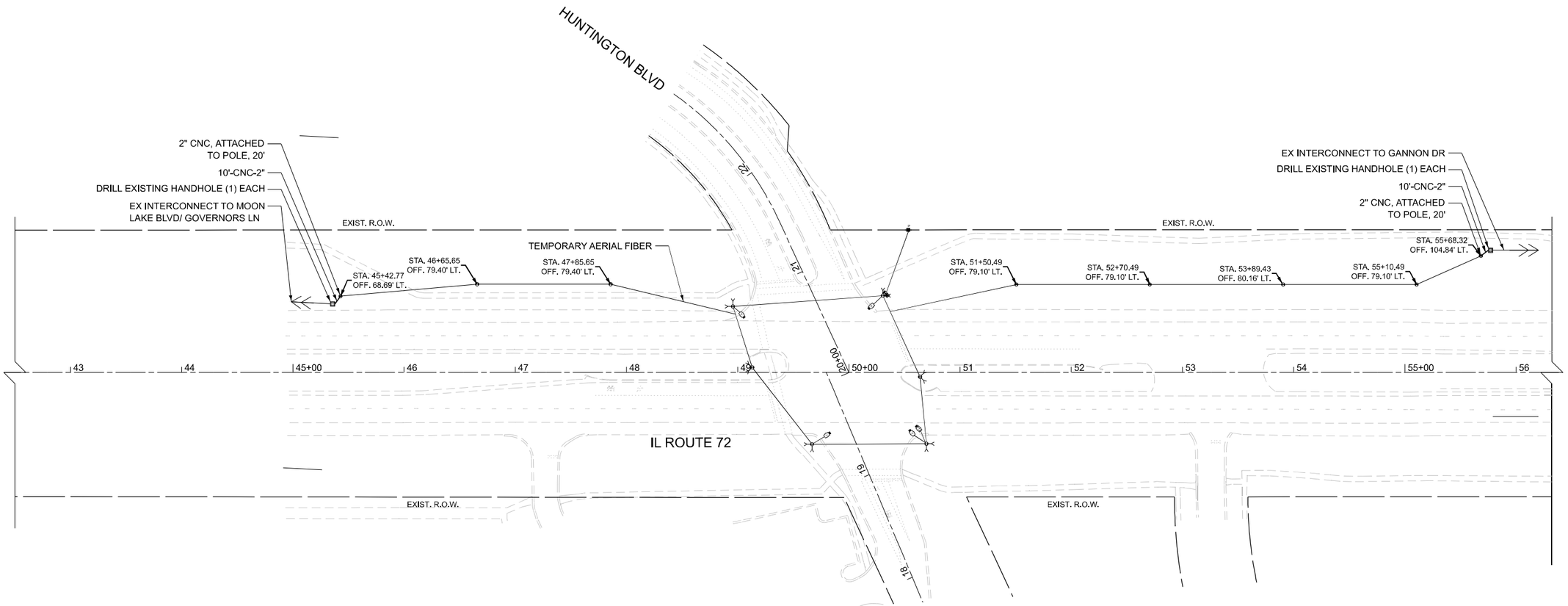
SCALE: N.T.S. | SHEET 3 OF 12 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	54
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		

N

0 50 100 150

SCALE IN FEET



TS 12075
IDOT CENTRACS
FORMER ECON 73

MODEL: TS - Plan
FILE NAME: c:\bms\pw-01\dms\40406\P17717-rel-border-temp.dgn

Peralte-Clark LLC

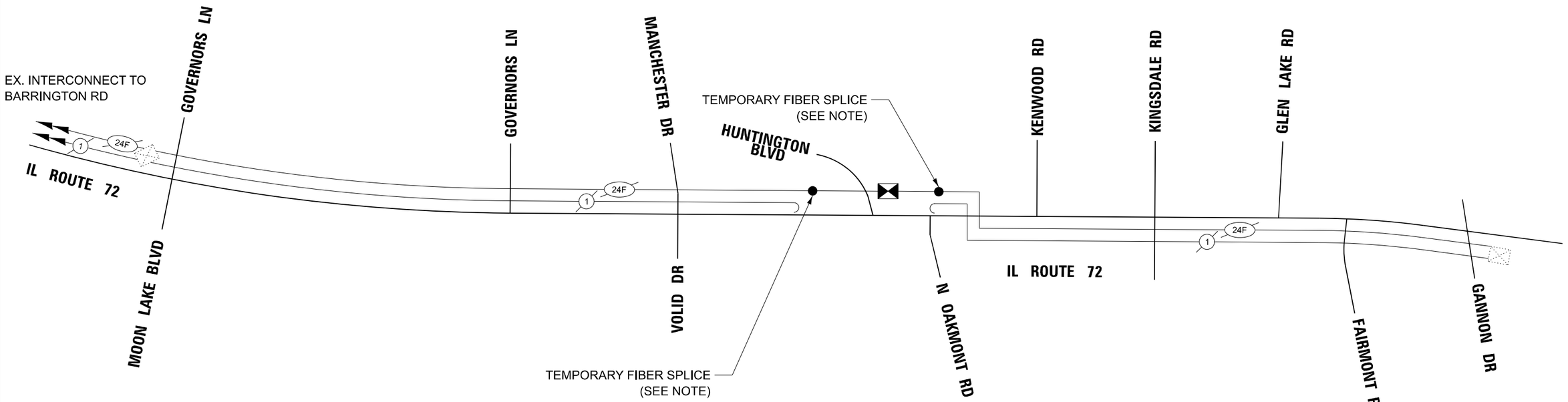
USER NAME = brandon.dengel	DESIGNED - ARP, BJD	REVISED -	
	DRAWN - ARP, BJD	REVISED -	
PLOT SCALE = 100.000 ' / in.	CHECKED - BT, CMP	REVISED -	
PLOT DATE = 11/14/2025	DATE - 1/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT PLAN
IL ROUTE 72 - MOON LAKE BOULEVARD TO GANNON DRIVE

SCALE: 1" = 50' | SHEET 4 OF 12 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	55
		CONTRACT NO. 62V09		
		ILLINOIS FED. AID PROJECT		



NOTES:

THE CONTRACTOR SHALL DISCONNECT THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE FROM THE EXISTING SIGNAL CONTROLLER AND PULL THE CABLE BACK TO THE EXISTING INTERCONNECT HANDHOLE ON BOTH APPROACHES. THE EXISTING FIBER OPTIC CABLE SHALL BE SPLICED TO THE TEMPORARY FIBER OPTIC CABLE AT THE HANDHOLE AND INSTALLED AERIALLY FROM THE HANDHOLE TO THE TEMPORARY TRAFFIC SIGNAL AS SHOWN IN THE PLANS. THE TEMPORARY FIBER OPTIC CABLE WILL BE INSTALLED TO THE TEMPORARY CONTROLLER TO MAINTAIN A FIBER CONNECTION TO THE CENTRACS SYSTEM ON THE WEST APPROACH. THIS WORK SHALL BE PAID FOR IN THE UNIT PRICE FOR "TEMPORARY TRAFFIC SIGNAL INSTALLATION".

TS 12075
IDOT CENTRACS
FORMER ECON 73

MODEL: TS - Plan
FILE NAME: c:\bms\p<>pw-01\dms\60406\P17717-rel-border+temp.dgn

Peralte-Clark LLC

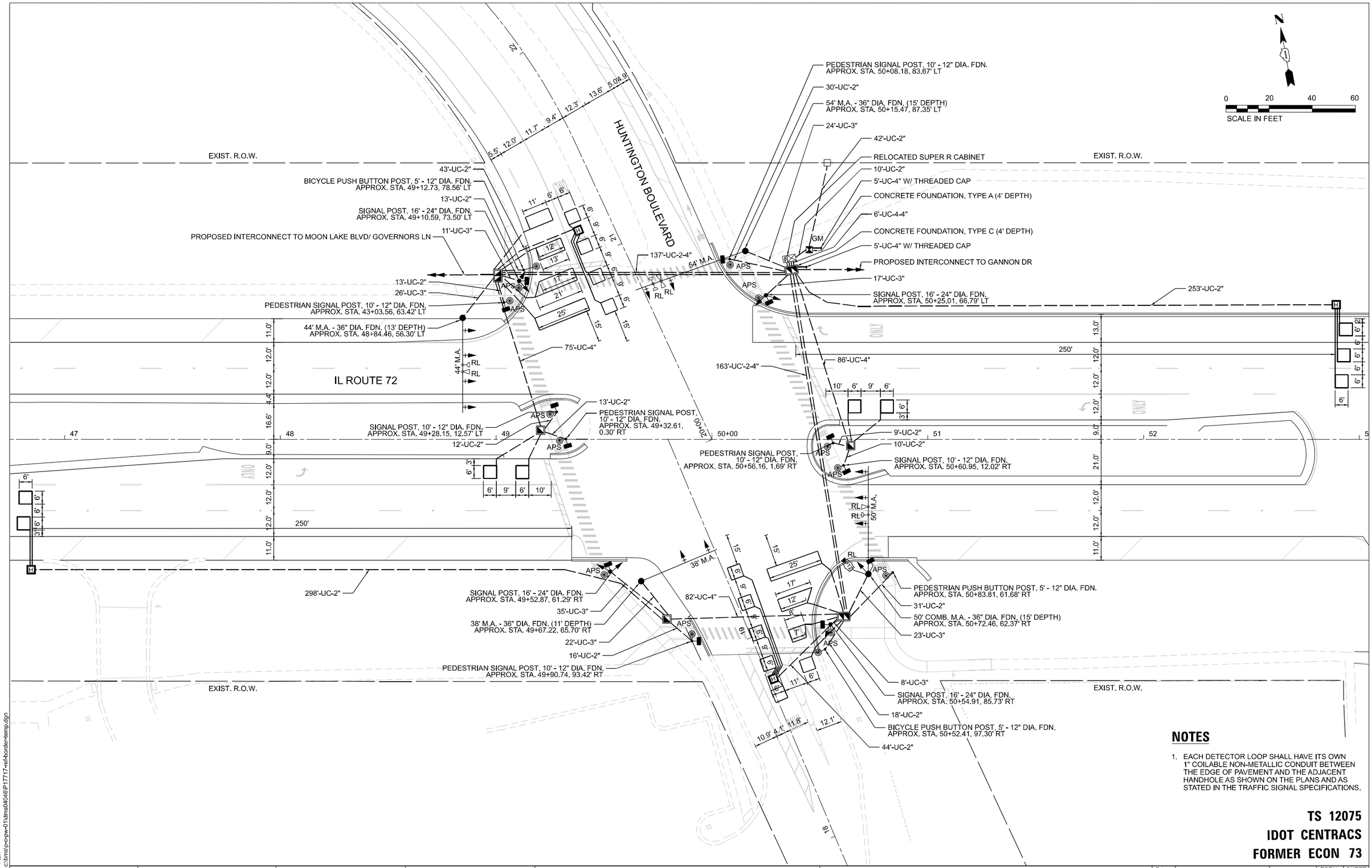
USER NAME = brandon.dengel	DESIGNED - ARP, BJD	REVISED -	
	DRAWN - ARP, BJD	REVISED -	
PLOT SCALE = 600.000 ' / In.	CHECKED - BT, CMP	REVISED -	
PLOT DATE = 11/14/2025	DATE - 1/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONENCT SCHEMATIC
IL ROUTE 72 - MOON LAKE BOULEVARD TO HUNTINGTON BLVD

SCALE: N.T.S. | SHEET 5 OF 12 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	56
		CONTRACT NO. 62V09		
	ILLINOIS FED. AID PROJECT			



NOTES

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

TS 12075
IDOT CENTRACS
FORMER ECON 73

MODEL: TS - Plan
FILE NAME: c:\bms\p<pw-01\dms84046\P17717-ref-border-temp.dgn

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - ARP, BJD	REVISED -	
	DRAWN - ARP, BJD	REVISED -	
PLOT SCALE = 40.000 ' / in.	CHECKED - BT, CMP	REVISED -	
PLOT DATE = 1/23/2026	DATE - 1/10/2025	REVISED -	

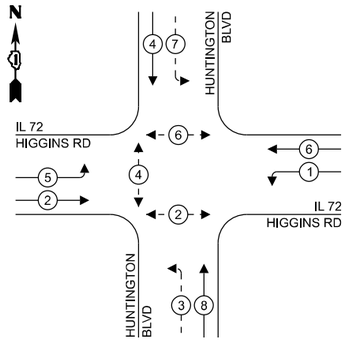
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION
IL ROUTE 72 AT HUNTINGTON BOULEVARD

SCALE: 1" = 20' | SHEET 6 OF 12 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	57
		CONTRACT NO. 62V09		
	ILLINOIS FED. AID PROJECT			

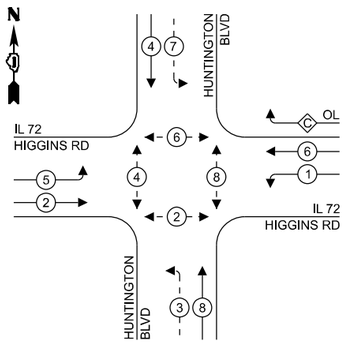
EXISTING CONTROLLER SEQUENCE



LEGEND:

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

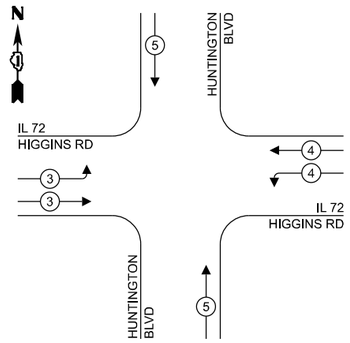
PROPOSED CONTROLLER SEQUENCE



RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
C	=	6	+	7

EXISTING / PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

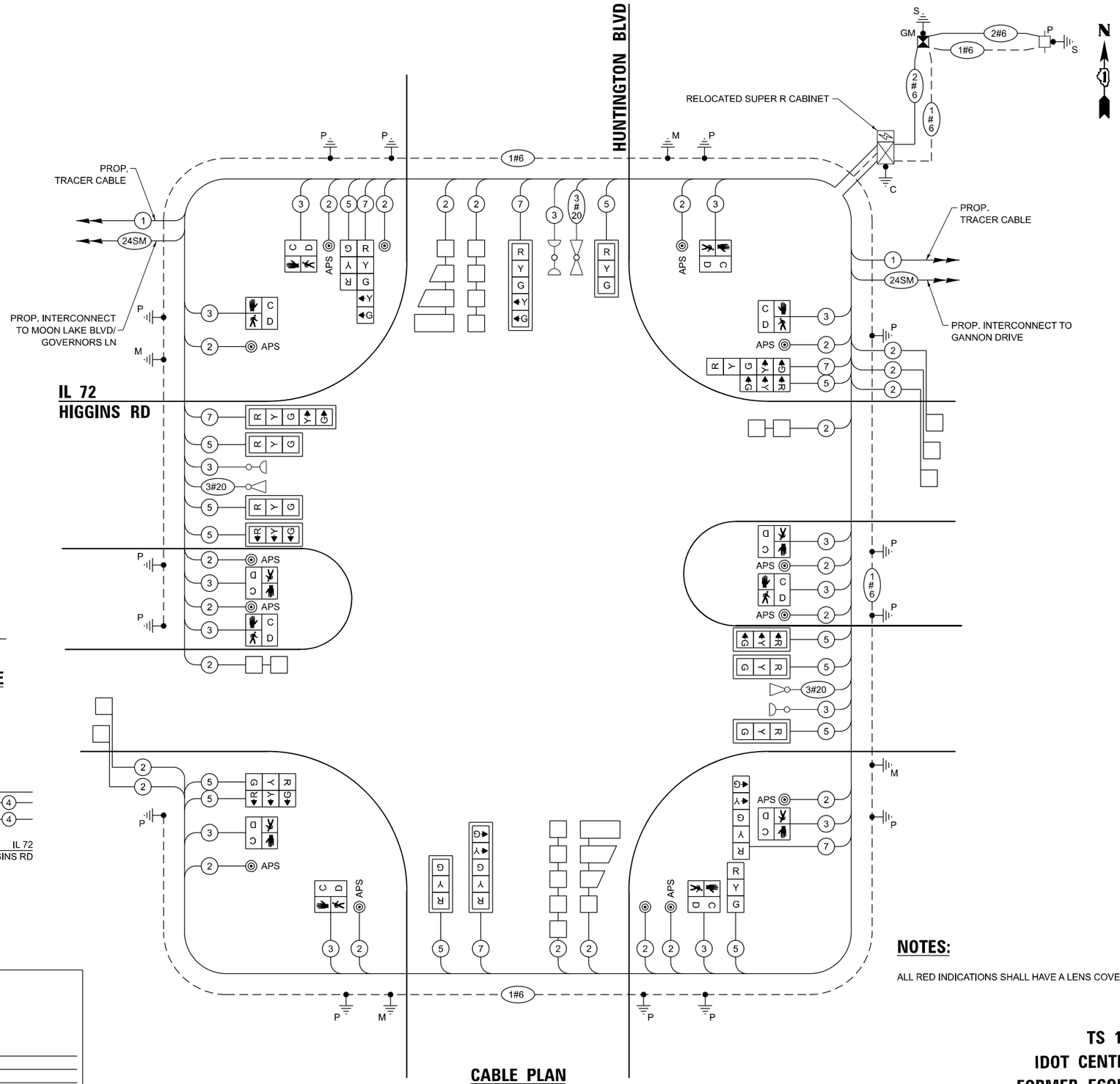


TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE		QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	1 OR 3-SECTION	13	11	143
	4-SECTION	-	14	-
	5-SECTION	6	13	78
PROGRAMMABLE	3-SECTION	-	22	-
	4-SECTION	-	32	-
	5-SECTION	-	28	-
PEDESTRIAN SIGNAL		12	15	180
CONTROLLER		1	150	150
MASTER CONTROLLER		-	100	-
UPS		1	25	25
DETECTION	RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN		-	25	-
NETWORK SWITCH	II OR III	1	35	35
CELLULAR MODEM		-	15	-
TOTAL UPS SIZING				611
UPS CHARGING		1	225	225
BATTERY HEATER MAT		1	180	180
CABINET HEATER		1	200	200
FLASHER		-	15	-
LED STREET NAME SIGN		-	120	-
LUMINAIRE		-	240	-
TOTAL SERVICE WIRE SIZING				1,216

ENERGY COSTS TO:
VILLAGE OF HOFFMAN ESTATES
1900 HASSELL RD
HOFFMAN ESTATES, IL 60169

ENERGY SUPPLY:
COMPANY: COMED
PHONE: 866-639-3532
ACCOUNT NUMBER: 56450-29979
METER NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

NOTES:

ALL RED INDICATIONS SHALL HAVE A LENS COVER.

TS 12075
IDOT CENTRACS
FORMER ECON 73

MODEL: TS - Plan
FILE NAME: c:\bms\pc-pw~01\dms\04046\P177117-reborder-temp.dgn

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - ARP, BJD	REVISED -
	DRAWN - ARP, BJD	REVISED -
PLOT SCALE = 40.000 ' / In.	CHECKED - BT, CMP	REVISED -
PLOT DATE = 1/23/2026	DATE - 1/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

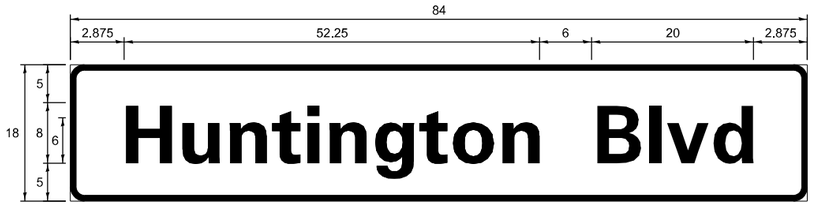
PROPOSED CABLE PLAN, PHASE DIAGRAM & EVP SEQUENCE
IL ROUTE 72 AT HUNTINGTON BOULEVARD

SCALE: N.T.S. | SHEET 7 OF 12 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	58
		CONTRACT NO. 62V09		
		ILLINOIS	FED. AID PROJECT	

SIGN PANEL – TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	10.5	2	ZZ	2

DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	12.5	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL
	SIGN PANEL - TYPE 2	SQ FT	88
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	855
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	166
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	877
	HANDHOLE	EACH	3
	HEAVY-DUTY HANDHOLE	EACH	4
	DOUBLE HANDHOLE	EACH	3
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2975
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3134
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3281
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1240
	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2162
	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	69
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1088
	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	20
	CONCRETE FOUNDATION, TYPE C	FOOT	4
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	54
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3
	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	12
	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	11
	INDUCTIVE LOOP DETECTOR	EACH	11
	DETECTOR LOOP, TYPE I	FOOT	1060
	PEDESTRIAN-PUSH BUTTON	EACH	2
	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
*	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	3
*	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
	REMOVE EXISTING HANDHOLE	EACH	8
	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	11
*	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	580
	SERVICE INSTALLATION - GROUND MOUNTED, METERED	EACH	1
	LAYER II (DATALINK) SWITCH	EACH	1
	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	7
	RELOCATE EXISTING PTZ CAMERA	EACH	1
	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	3
	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	12
	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	40
	LED SIGNAL FACE, LENS COVER	EACH	19
	RELOCATE EXISTING TRAFFIC SIGNAL CONTROLLER AND CABINET, COMPLETE	EACH	1
	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

* 100% COST TO THE VILLAGE OF HOFFMAN ESTATES

TS 12075
IDOT CENTRACS
FORMER ECON 73

MODEL: TS - Plan
FILE NAME: c:\bms\pw-pw-01\dms04046\P17717-reHborder-temp.dgn

Peralte-Clark LLC

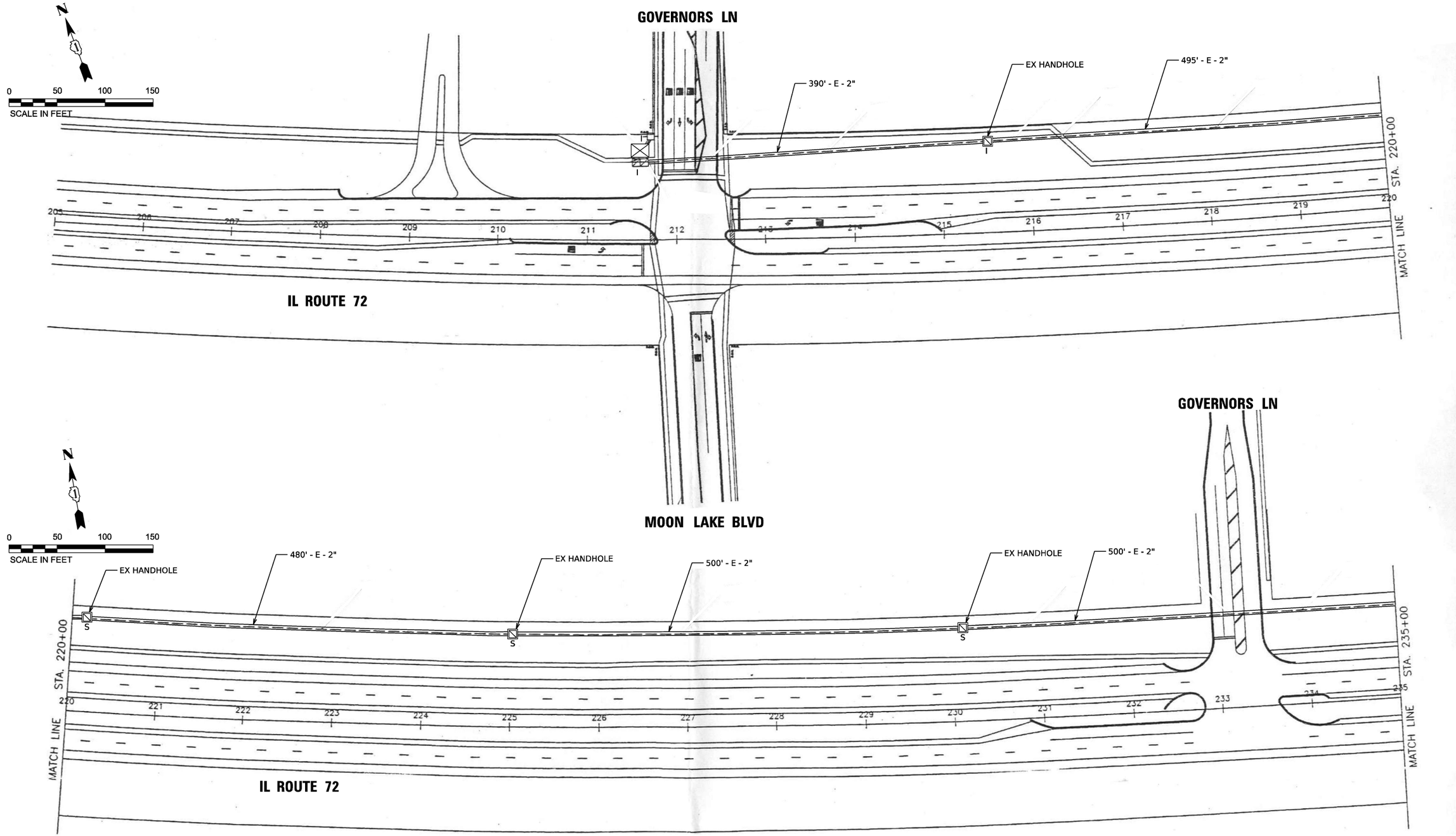
USER NAME = brandon.dengel	DESIGNED - ARP, BJD	REVISED -	
	DRAWN - ARP, BJD	REVISED -	
PLOT SCALE = 40.000 ' / In.	CHECKED - BT, CMP	REVISED -	
PLOT DATE = 1/23/2026	DATE - 1/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES
IL ROUTE 72 AT HUNTINGTON BOULEVARD

SCALE: N.T.S. | SHEET 8 OF 12 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	59
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		



TS 12075
IDOT CENTRACS
FORMER ECON 73

MODEL: TS - Plan
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Peralte-Clark LLC

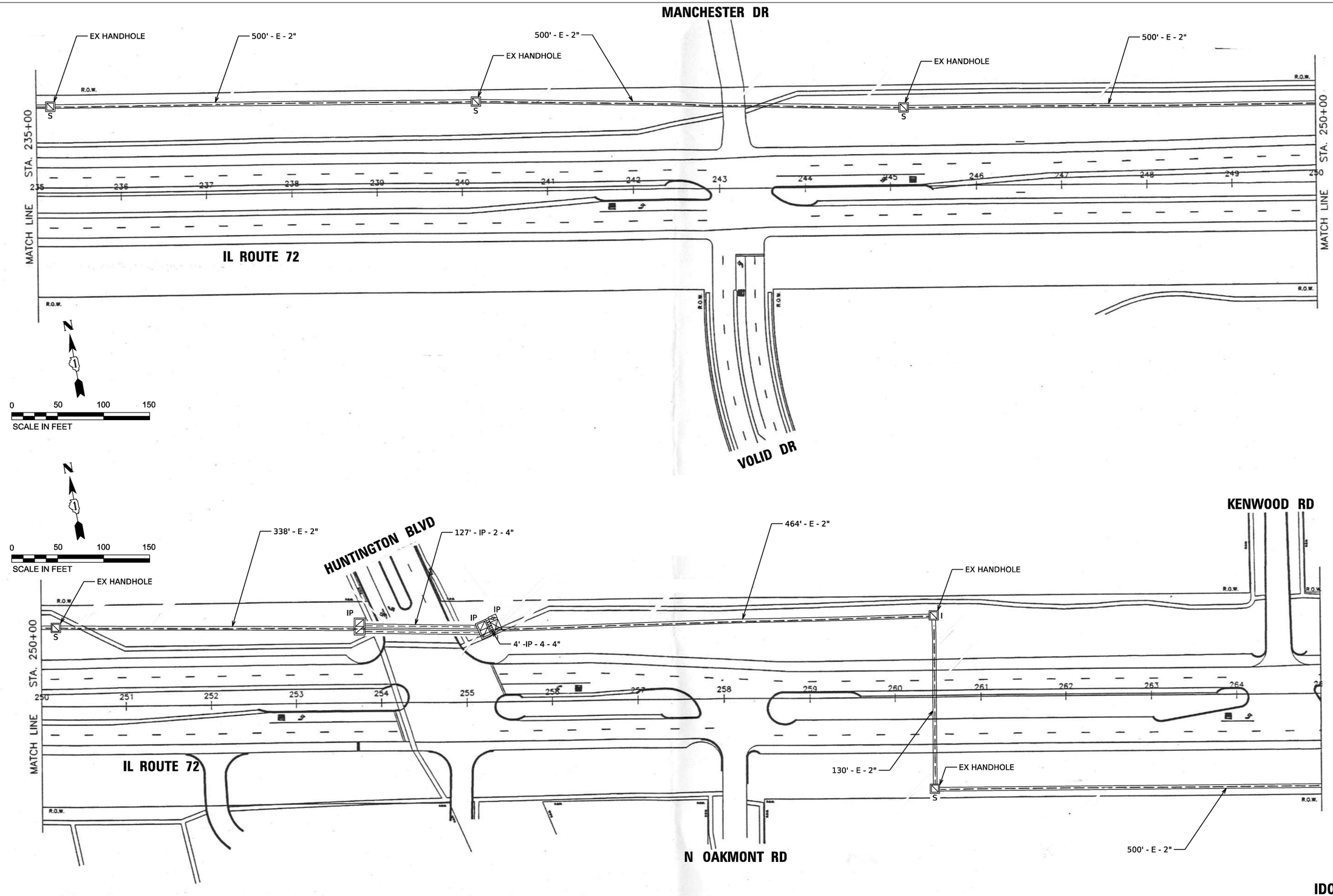
USER NAME = brandon.dengel	DESIGNED - ARP, BJD	REVISED -	
	DRAWN - ARP, BJD	REVISED -	
PLOT SCALE = 100.000 ' / In.	CHECKED - BT, CMP	REVISED -	
PLOT DATE = 11/14/2025	DATE - 1/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
IL ROUTE 72 - MOON LAKE BOULEVARD TO HUNTINGTON BOULEVARD

SCALE:1" = 50' | SHEET 9 OF 12 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	60
		CONTRACT NO. 62V09		
	ILLINOIS FED. AID PROJECT			



TS 12075
IDOT CENTRACS
FORMER ECON 73

MODEL: TS - Plan
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Peralte-Clark LLC

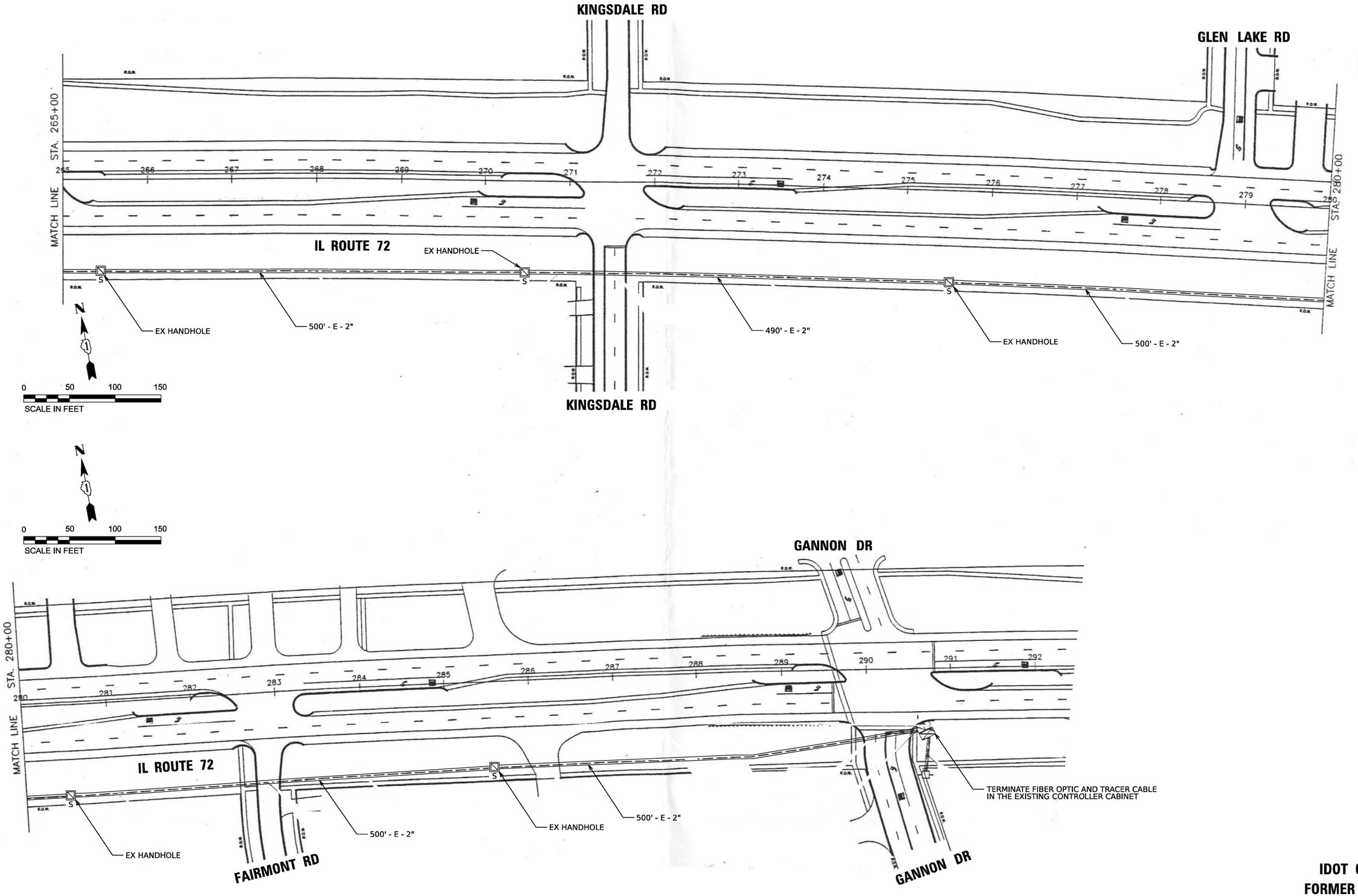
USER NAME = brandon.dengel	DESIGNED - ARP, BJD	REVISED -	
	DRAWN - ARP, BJD	REVISED -	
PLOT SCALE = 100.000 ' / In.	CHECKED - BT, CMP	REVISED -	
PLOT DATE = 11/14/2025	DATE - 1/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
IL ROUTE 72 - MOON LAKE BOULEVARD TO HUNTINGTON BOULEVARD

SCALE:1" = 50' | SHEET 10 OF 12 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	61
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		



TS 12075
IDOT CENTRACS
FORMER ECON 73

MODEL: TS - Plan
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Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - ARP, BJD	REVISED -	
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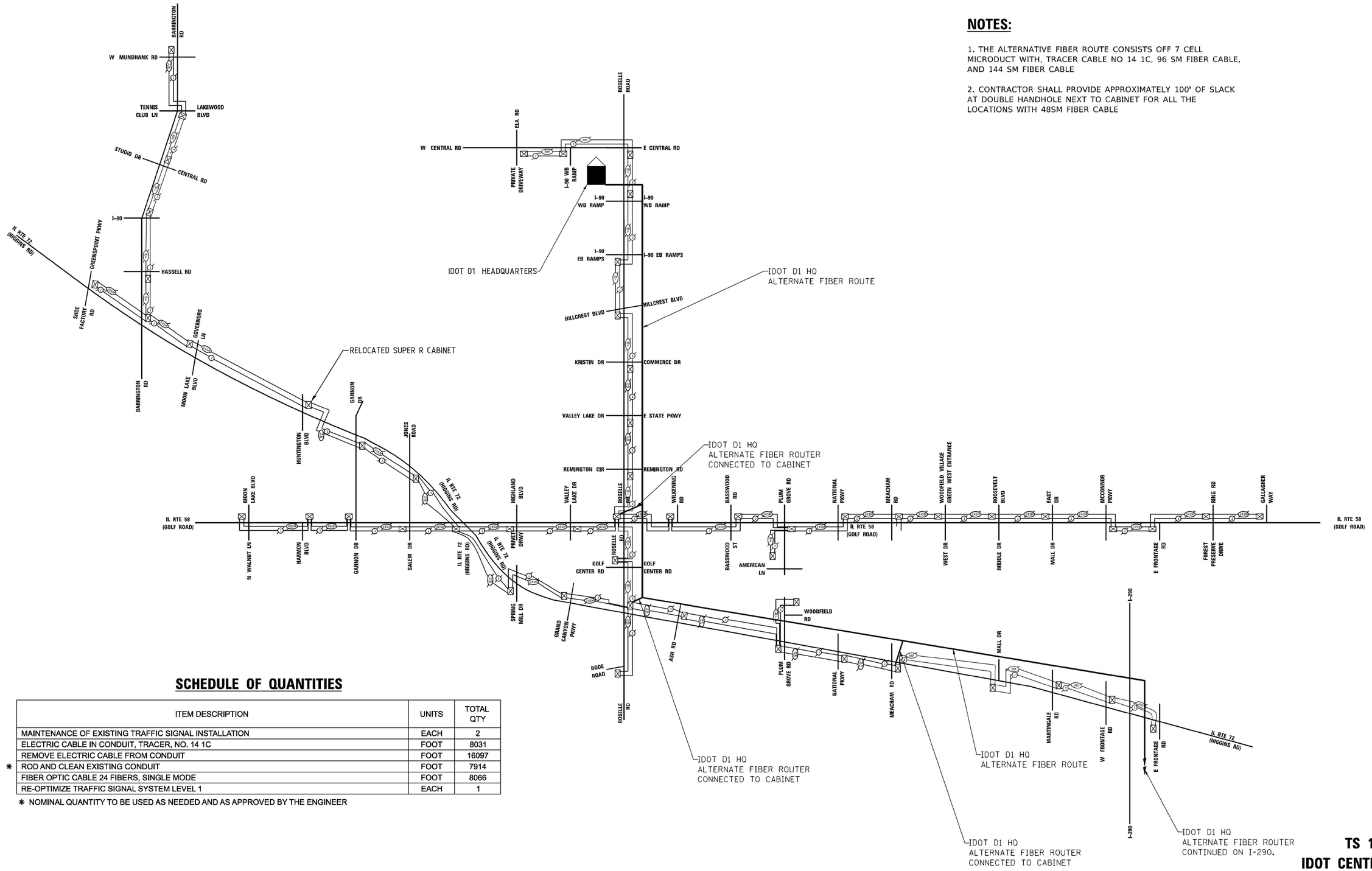
PLOT SCALE = 100.000 ' / In.	CHECKED - BT, CMP	REVISED -	
PLOT DATE = 11/14/2025	DATE - 1/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
IL ROUTE 72 - MOON LAKE BOULEVARD TO HUNTINGTON BOULEVARD

SCALE:1" = 50' | SHEET 11 OF 12 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	62
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		



NOTES:

1. THE ALTERNATIVE FIBER ROUTE CONSISTS OFF 7 CELL MICRODUCT WITH, TRACER CABLE NO 14 1C, 96 SM FIBER CABLE, AND 144 SM FIBER CABLE

2. CONTRACTOR SHALL PROVIDE APPROXIMATELY 100' OF SLACK AT DOUBLE HANDHOLE NEXT TO CABINET FOR ALL THE LOCATIONS WITH 48SM FIBER CABLE

SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QTY
	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	8031
	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	16097
*	ROD AND CLEAN EXISTING CONDUIT	FOOT	7914
	FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE	FOOT	8066
	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

* NOMINAL QUANTITY TO BE USED AS NEEDED AND AS APPROVED BY THE ENGINEER

TS 12075
IDOT CENTRACS
FORMER ECON 73

MODEL: TS - Plan
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Peralte-Clark LLC

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PLOT SCALE = 40.000 ' / In.	CHECKED - BT, CMP	REVISED -	
PLOT DATE = 11/14/2025	DATE - 1/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES
IL ROUTE 72
MOON LAKE BLVD/GOVERNORS LN TO GANNON DR

SCALE: N.T.S. | SHEET 12 OF 12 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	63
		CONTRACT NO. 62V09		
		ILLINOIS	FED. AID PROJECT	

INSERT CABINET DETAILS AND FIBER SPLICE DIAGRAMS ON THESE SHEETS

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Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - ARP, BJD	REVISED -	
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PLOT DATE = 1/23/2026	DATE - 1/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER SPLICE DIAGRAMS AND CABINET DETAILS
IL ROUTE 72 AT HUNTINGTON BOULEVARD

SCALE: N.T.S. | SHEET 12A OF 12 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	63A
		CONTRACT NO. 62V09		
	ILLINOIS FED. AID PROJECT			

INSERT CABINET DETAILS AND FIBER SPLICE DIAGRAMS ON THESE SHEETS

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Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - ARP, BJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER SPLICE DIAGRAMS AND CABINET DETAILS IL ROUTE 72 AT HUNTINGTON BOULEVARD
	DRAWN - ARP, BJD	REVISED -		
PLOT SCALE = 40.000 ' / in.	CHECKED - BT, CMP	REVISED -		
PLOT DATE = 1/23/2026	DATE - 1/10/2025	REVISED -		SCALE: N.T.S. SHEET 12B OF 12 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	63B
		CONTRACT NO. 62V09		
	ILLINOIS FED. AID PROJECT			

INSERT CABINET DETAILS AND FIBER SPLICE DIAGRAMS ON THESE SHEETS

MODEL: TS - Plan
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Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - ARP, BJD	REVISED -	
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PLOT SCALE = 40.000 ' / in.	CHECKED - BT, CMP	REVISED -	
PLOT DATE = 1/23/2026	DATE - 1/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER SPLICE DIAGRAMS AND CABINET DETAILS
IL ROUTE 72 AT HUNTINGTON BOULEVARD

SCALE: N.T.S. | SHEET 12C OF 12 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	63C
		CONTRACT NO. 62V09		
	ILLINOIS FED. AID PROJECT			

INSERT CABINET DETAILS AND FIBER SPLICE DIAGRAMS ON THESE SHEETS

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Peralte-Clark LLC

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PLOT DATE = 1/23/2026	DATE - 1/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER SPLICE DIAGRAMS AND CABINET DETAILS
IL ROUTE 72 AT HUNTINGTON BOULEVARD

SCALE: N.T.S. | SHEET 12D OF 12 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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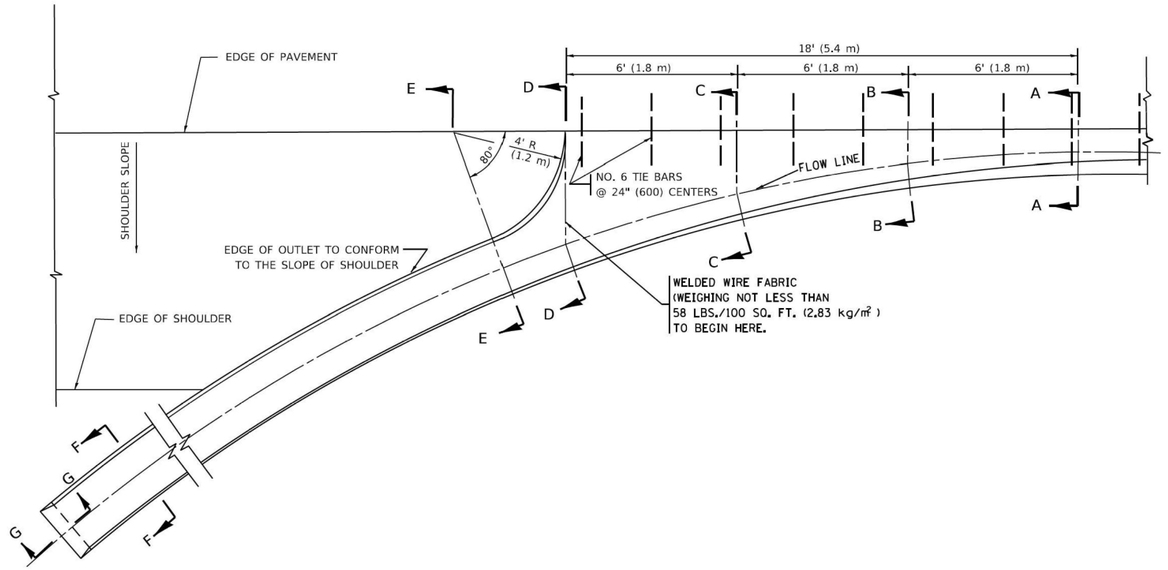
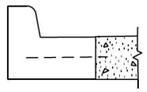
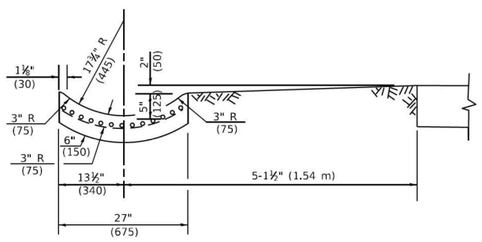
		CONTRACT NO. 62V09		
	ILLINOIS FED. AID PROJECT			



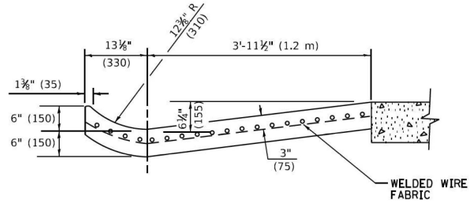


SECTION A–A ✳

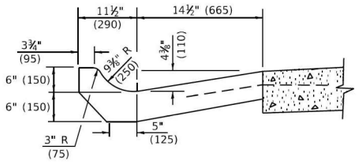
✳ DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001.
FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-6.24 (B-15.60) SEE STATE STANDARD 606006.



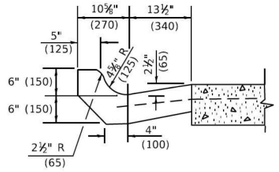
SECTION E–E



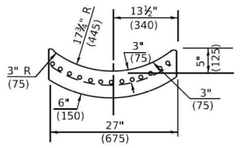
SECTION D–D



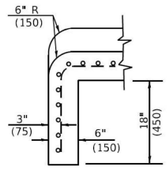
SECTION C–C



SECTION B–B



SECTION F–F



SECTION G–G

GENERAL NOTES

1. GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.
2. TIE BARS SHALL BE NO. 20 (NO.6) AT 24" (600) CENTERS UNLESS OTHERWISE SHOWN.
3. IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 6' (1.8 m) FOR EACH 1% INCREASE IN GRADE.

METHOD OF MEASUREMENT

FOR SECTION A-A TO E-E AND CURTAIN WALL=
1.25 CU. YDS. (0.96^{3}m) CLASS SI CONCRETE (OUTLET) FOR 9" (225) PAV'T.
1.27 CU. YDS. (0.96^{3}m) CLASS SI CONCRETE (OUTLET) FOR 10" (250) PAV'T.
FOR SECTION F-F=
0.045 CU. YDS. (0.03^{3}m) CLASS SI CONCRETE PER ft. (m).

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

MODEL: bd-03 [Sheet]
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ABNA DESIGN FIRM REG. 184.002117

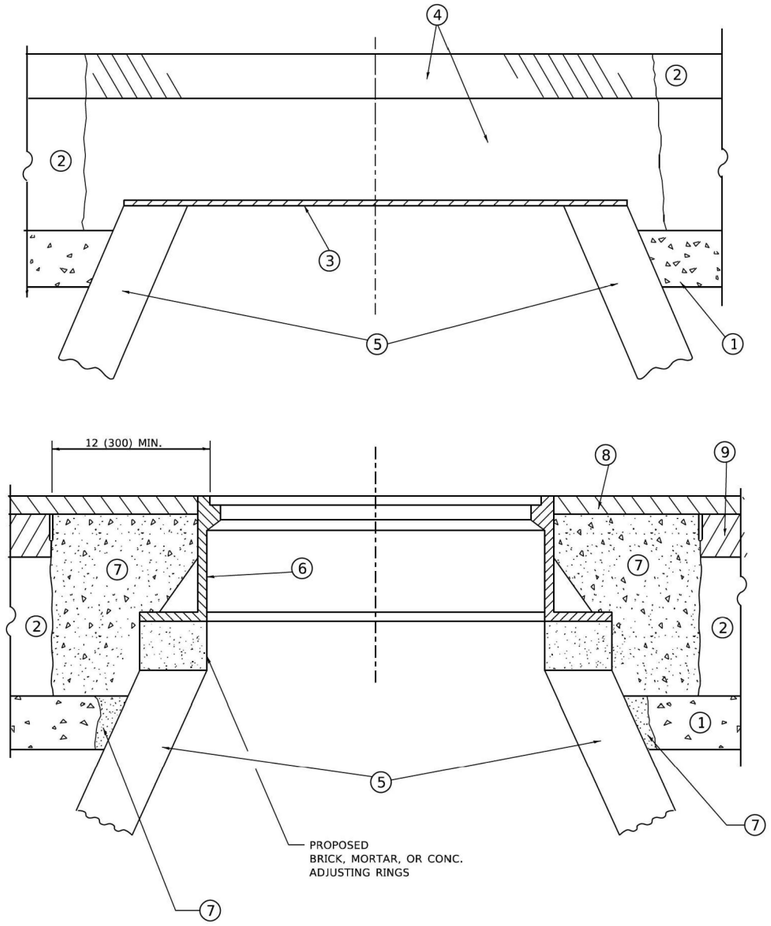
USER NAME = mconroy	DESIGNED - CT	REVISED -	
	DRAWN - ABD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -	
PLOT DATE = 7/17/2025	DATE - 01/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL-72 AT HUNTINGTON BLVD
OUTLET FOR CONCRETE CURB AND GUTTER (BD-03)

SCALE: NONE | SHEET 1 OF 9 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	64
		CONTRACT NO. 62V09		
		ILLINOIS	FED. AID PROJECT	



DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

NOTES

1. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
2. IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.

B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.

C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.

D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.

B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.

C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

1. REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
2. THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
4. WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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ABNA DESIGN FIRM REG. 184.002117

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	DRAWN - ABD	REVISED -
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -
PLOT DATE = 6/27/2025	DATE - 01/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-08)

SCALE: NONE | SHEET 1 OF 9 SHEETS | STA. | TO STA.

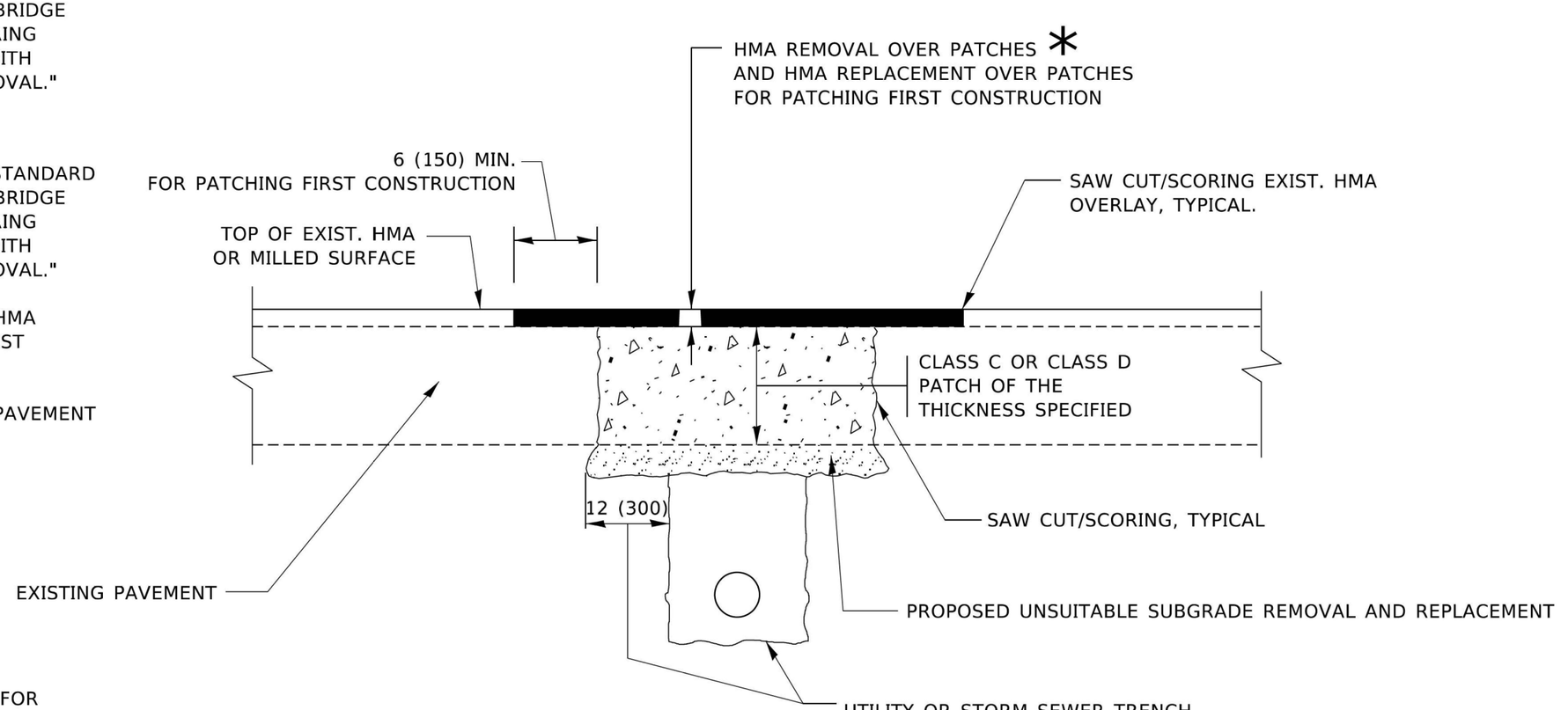
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	65
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		

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: BD-22 D1 STANDARDS [Sheet]
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ABNA
DESIGN FIRM REG. 184.002117

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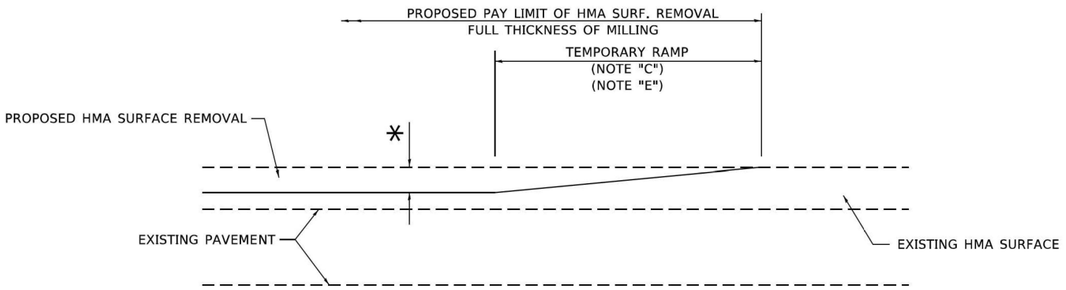
	DRAWN - ABD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -	
PLOT DATE = 7/17/2025	DATE - 01/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
HMA SURFACED PAVEMENT (BD-22)

SCALE: #### | SHEET 1 OF 9 SHEETS | STA. | TO STA.

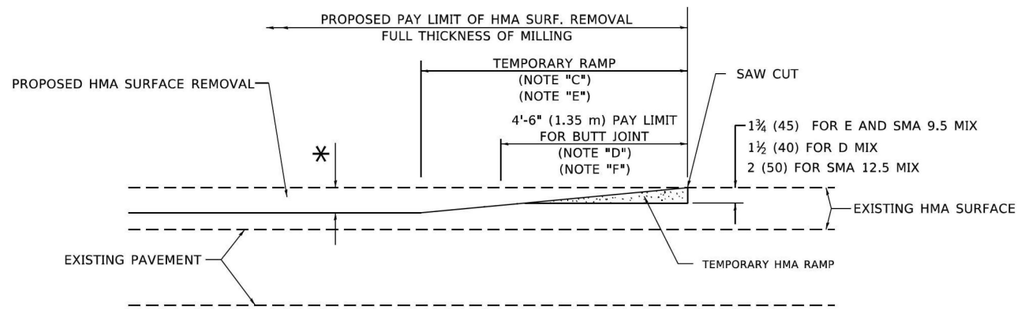
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	66
		CONTRACT NO. 62V09		
	ILLINOIS FED. AID PROJECT			



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

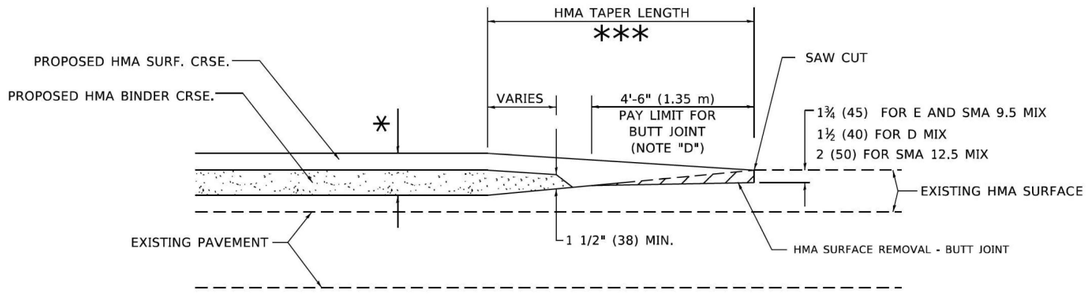


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

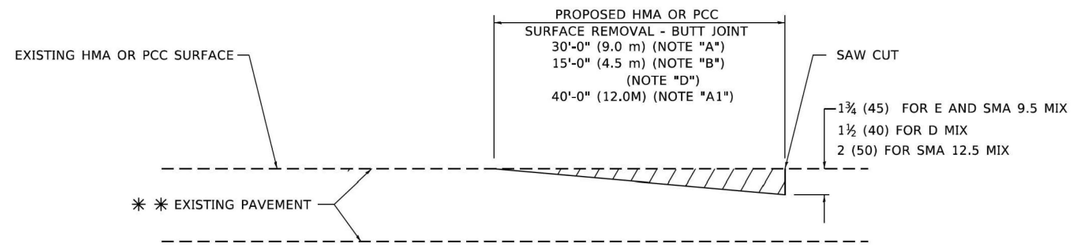
OPTION 2

TYPICAL TEMPORARY RAMP

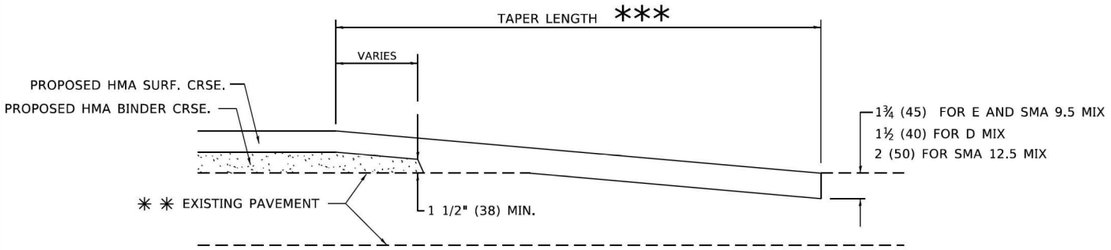


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.

A1. INTERSTATES

B. MINOR SIDE ROADS.

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

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

E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

F. 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

1. 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".

2. 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.

MODEL: D1-BD-32 STANDARD [Sheet]
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ABNA DESIGN FIRM REG. 184.002117

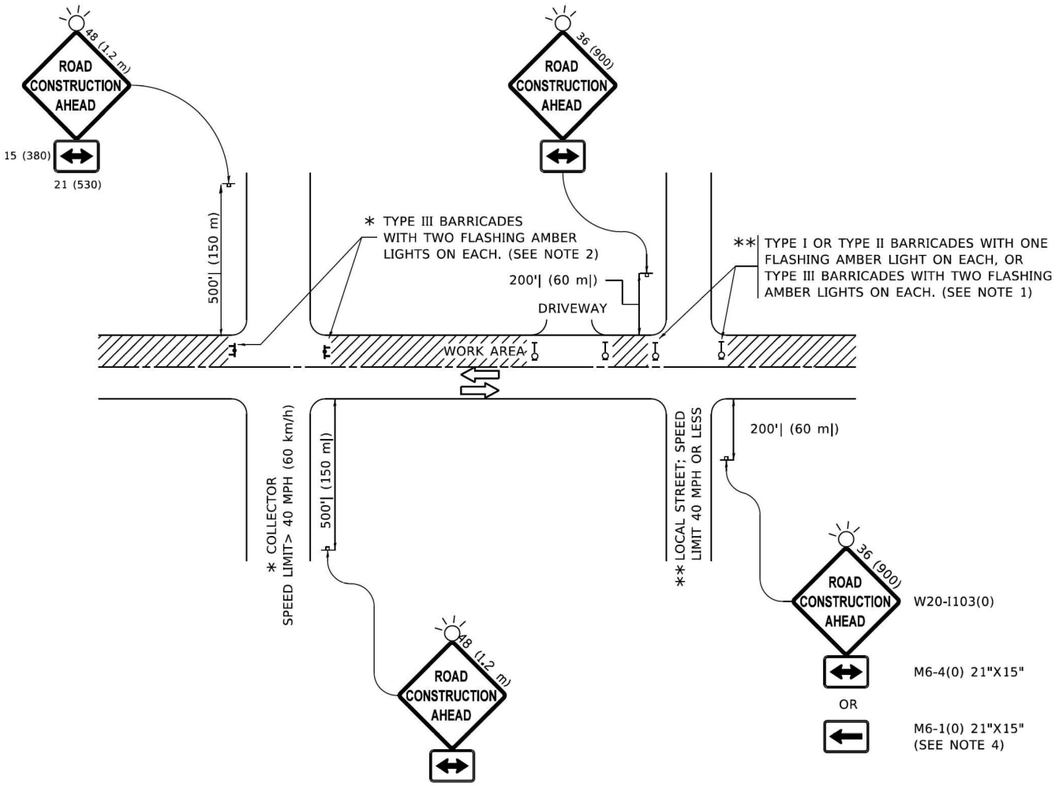
USER NAME = galsallani	DESIGNED - CT	REVISED -	
	DRAWN - ABD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -	
PLOT DATE = 7/9/2025	DATE - 01/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL-72 AT HUNTINGTON BLVD
BUTT JOINTS AND HMA TAPER (BD-32)

SCALE: 1"=1'-0" | SHEET 1 OF 9 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	67
		CONTRACT NO. 62V09		
		ILLINOIS	FED. AID PROJECT	



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

MODEL: TC-10 D1 STANDARDS [Sheet]
FILE NAME: J:\2024\6081W1\D162V09\CADD Data\Sheets\D162V09-sht-D1 Standard.dgn

ABNA DESIGN FIRM REG. 184.002117

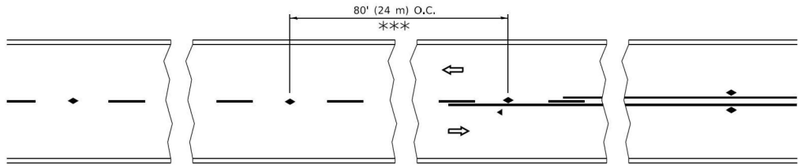
USER NAME = mconroy	DESIGNED - CT	REVISED -
	DRAWN - ABD	REVISED -
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -
PLOT DATE = 7/17/2025	DATE - 01/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL-72 AT HUNTINGTON BLVD
TRAFFIC CONTROL AND PROTECTION (TC-10)

SCALE: 1"=1'-0" | SHEET 2 OF 9 SHEETS | STA. | TO STA.

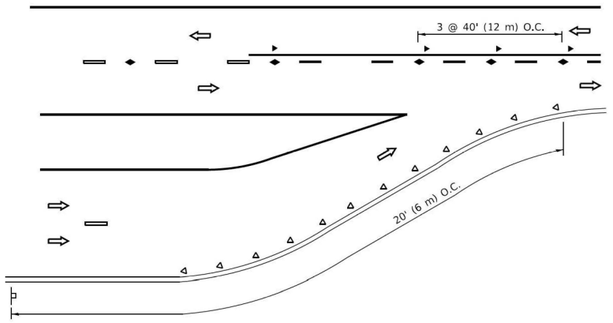
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	68
		CONTRACT NO. 62V09		
	ILLINOIS FED. AID PROJECT			



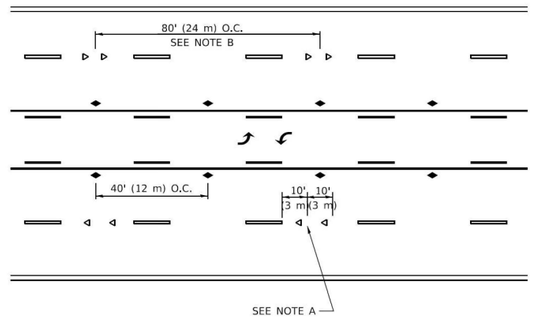
*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO–LANE/TWO–WAY

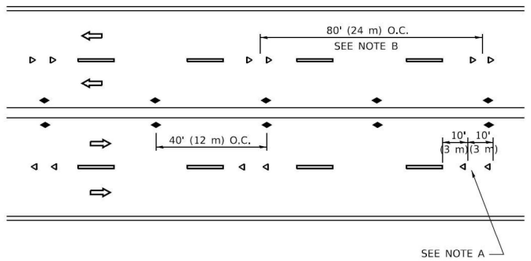
SEE FIGURE 3B-14 MUTCD



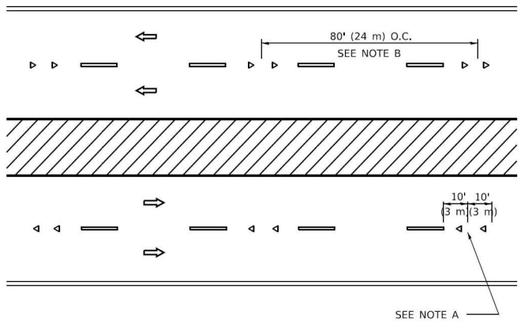
LANE REDUCTION TRANSITION



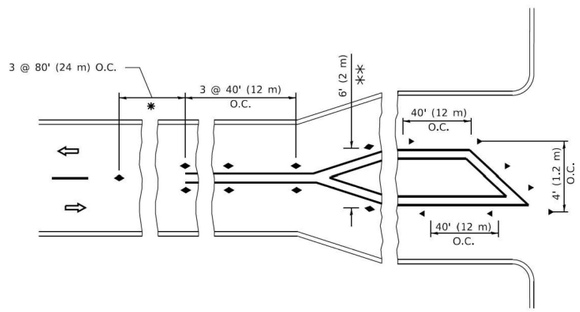
TWO–WAY LEFT TURN

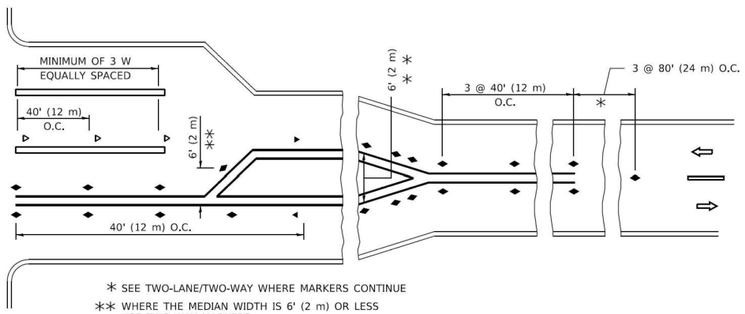


MULTI–LANE/UNDIVIDED



MULTI–LANE/DIVIDED





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

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

TURN LANES

GENERAL NOTES

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

SYMBOLS

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

LANE MARKER NOTES

A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

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

DESIGN NOTES

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

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

MODEL: TC-11 D1 sTANDARDS [Sheet]
FILE NAME: J:\2024\6081W1\D1\62V09\CADD Data\Sheets\D162V09-sht-D1 Standard.dgn

ABNA DESIGN FIRM REG. 184.002117

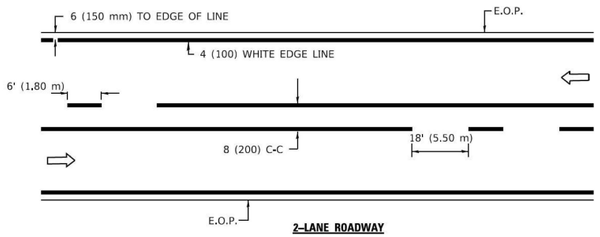
USER NAME = galsallani	DESIGNED - CT	REVISED -	
	DRAWN - ABD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -	
PLOT DATE = 6/27/2025	DATE - 01/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

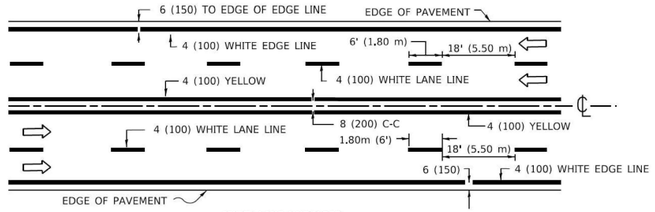
IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
RAISED REFLECTIVE PAVEMENT MARKER (TC-11)

SCALE: 1"=1'-0" | SHEET 1 OF 10 SHEETS | STA. | TO STA.

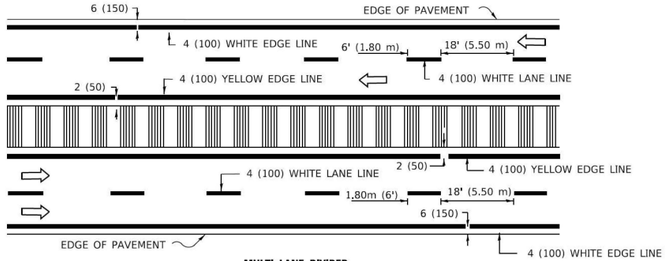
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	69
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		



2–LANE ROADWAY



MULTI–LANE UNDIVIDED

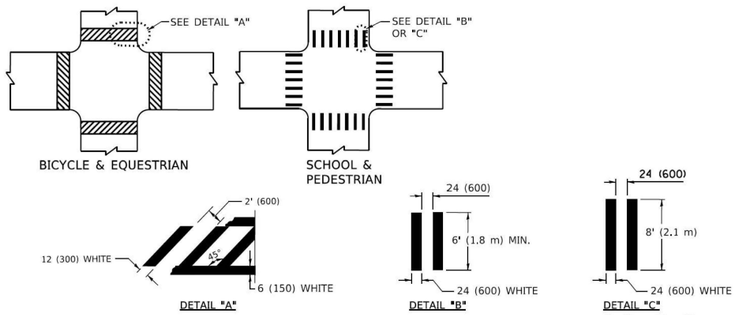


MULTI–LANE DIVIDED

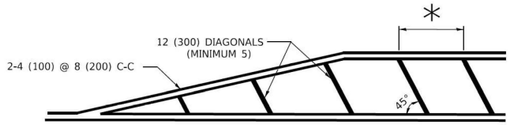
WITH MOUNTABLE MEDIAN

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

TYPICAL LANE AND EDGE LINE MARKING



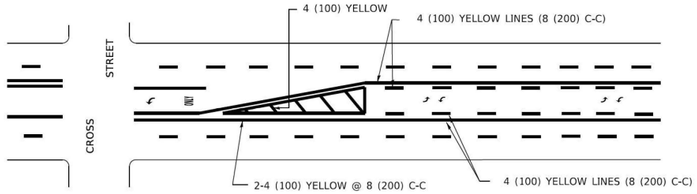
TYPICAL CROSSWALK MARKING



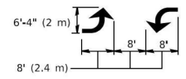
∗ FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

∗ DIAGONAL LINE SPACING: 20' (6.1 m) C-C

PAINTED MEDIANS

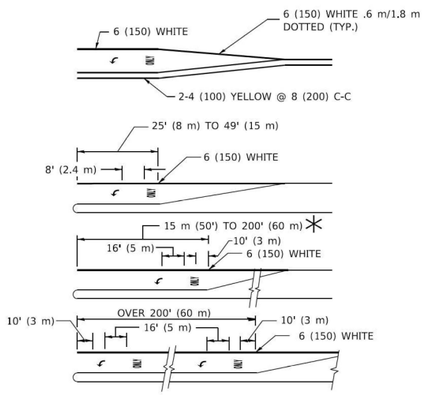


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

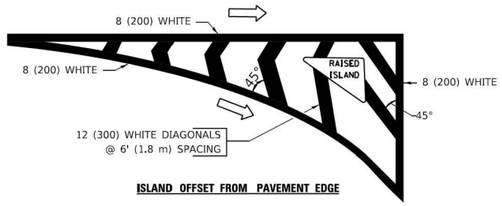


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.8 SQ. FT. (1.47 m²) ONLY AREA = 22.9 SQ. FT. (2.13 m²)

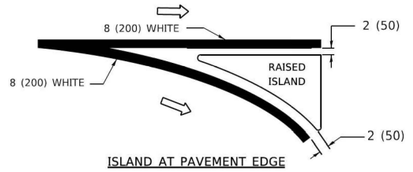
∗ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	6' (1.80 m) LINE WITH 18' (5.50 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	8 (200) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	 4 (100) 2 @ 4 (100)	 SOLID SOLID	 YELLOW YELLOW	8 (200) C-C
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	6' (1.80 m) LINE WITH 18' (5.50 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) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4 m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	6' (1.8 m) LINE WITH 18' (5.50 m) SPACE FOR SKIP-DASH; 8 (200) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL & PEDESTRIAN)	 12 (300) @ 45° 24 (600) @ 90°	 SOLID SOLID	 WHITE WHITE	 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°	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	8 (200) 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: 20' (6.1 m) (LESS THAN 30 MPH (50 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33m²) EACH "X"=54.0 SQ. FT. (5.0 m²)

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STREET MARKING STANDARDS, PRINTED BY CITY OF CHICAGO, DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC.

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

MODEL: TC-24 D1 STD [Sheet]
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ABNA DESIGN FIRM REG. 184.002117

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		DRAWN - ABD		REVISED - ####	
PLOT SCALE = $SCALE$		CHECKED - TPP		REVISED - ####	
PLOT DATE = 7/17/2025		DATE - 01/10/2025		REVISED - ####	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL-72 AT HUNTINGTON BLVD
DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-24)

SCALE: 1"=1'-0" | SHEET 7 OF 9 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	70
		CONTRACT NO. 62V09		
	ILLINOIS FED. AID PROJECT			

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

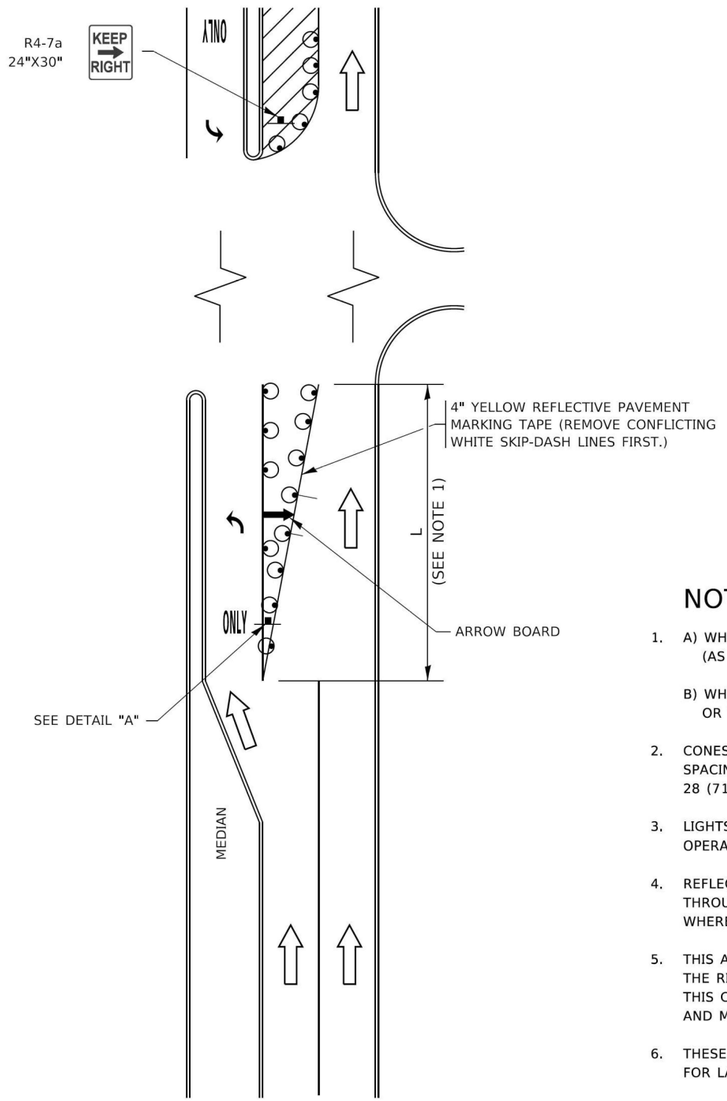


FIGURE 1

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.

   B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.

2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.

3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.

4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.

5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.

6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.

7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.

8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

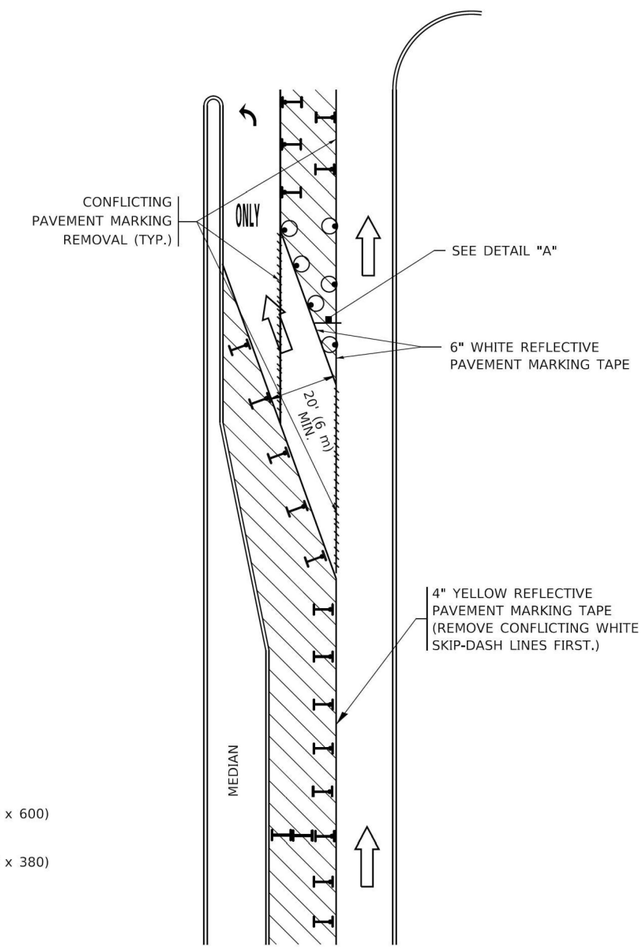
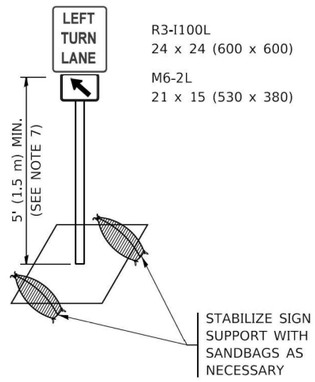


FIGURE 2



DETAIL A

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

MODEL: TC-14 [Sheet]
FILE NAME: J:\2024\6081W\1D162V09\CADD Data\Sheets\D162V09-sht-D1 Standard.dgn

ABNA DESIGN FIRM REG. 184.002117	USER NAME = galsallani	DESIGNED - CT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
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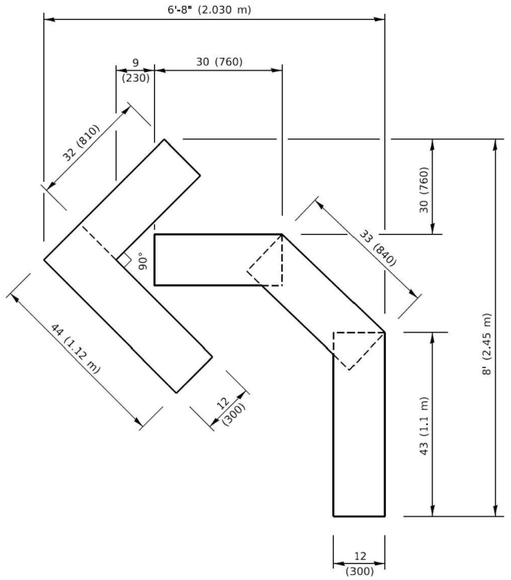
	PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -	
	PLOT DATE = 6/26/2025	DATE - 01/10/2025	REVISED -	

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TC-14)

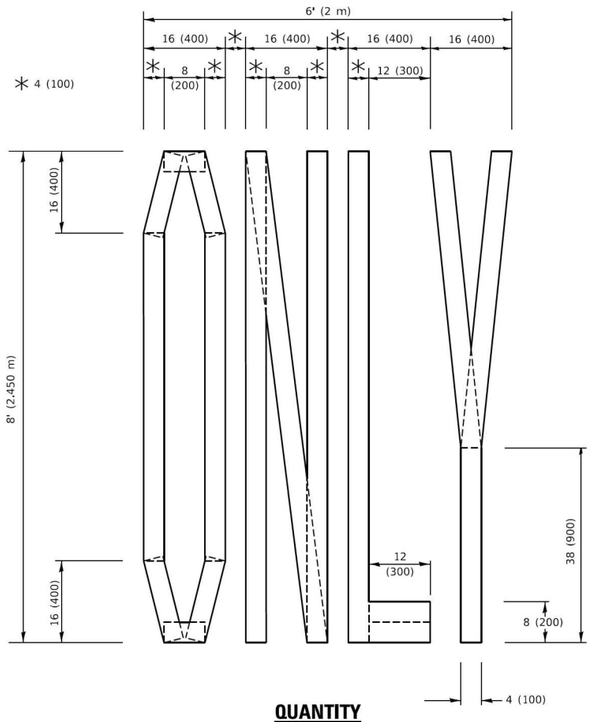
SCALE: NONE | SHEET 1 OF 11 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	71
		CONTRACT NO. 62V09		
		ILLINOIS	FED. AID PROJECT	



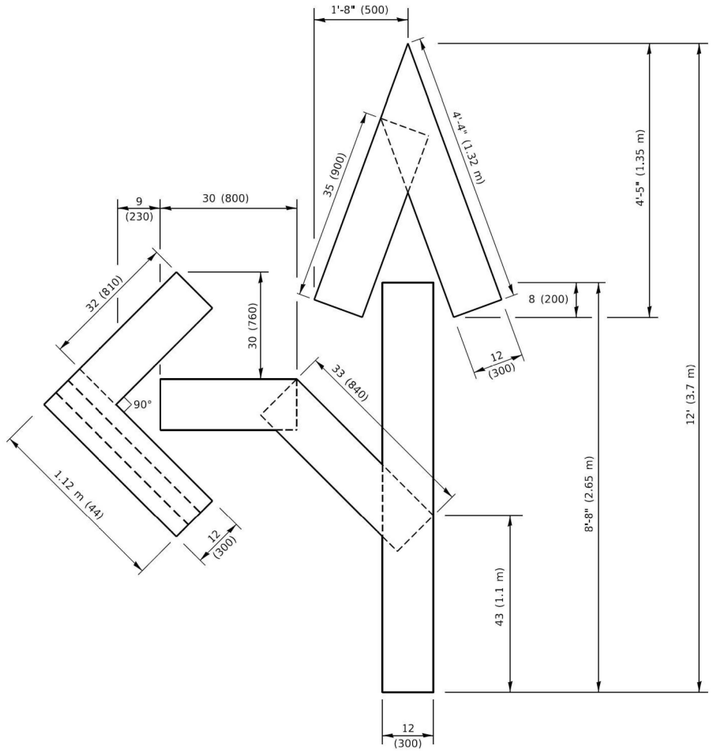
QUANTITY

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



QUANTITY

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

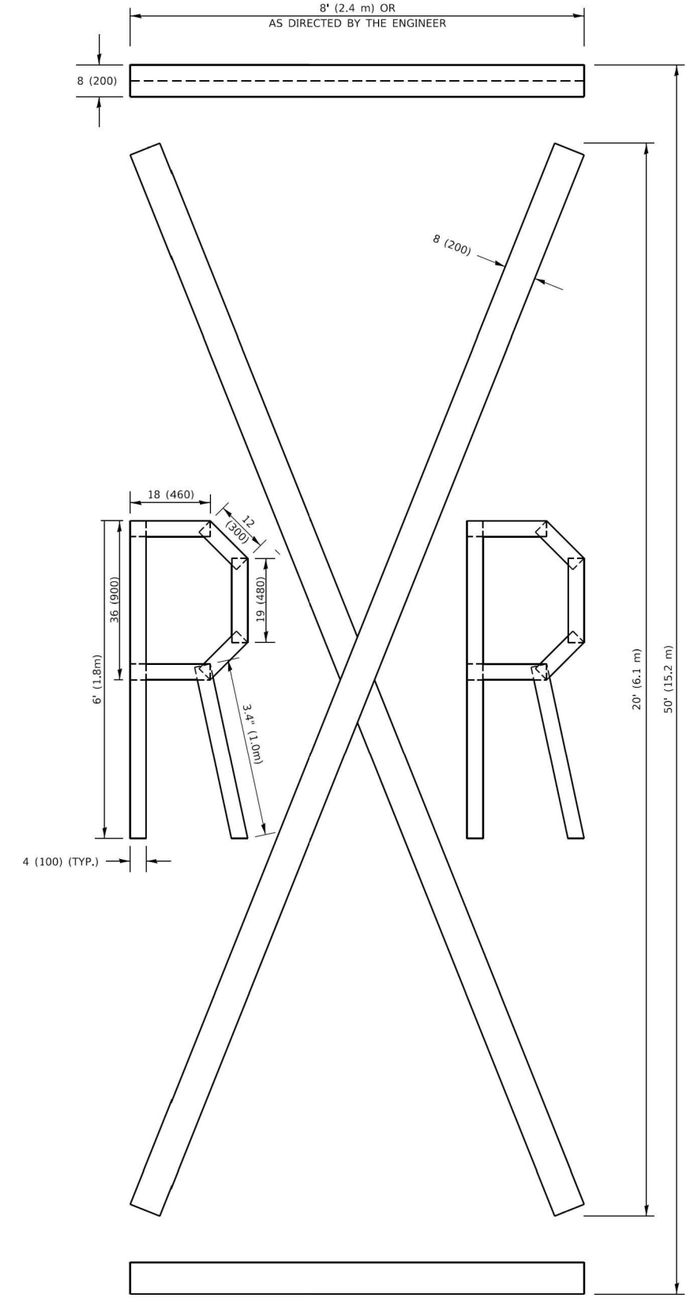


QUANTITY

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

NOTE:

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



QUANTITY

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

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

MODEL: TC-16 D1 STANDARDS [Sheet]
FILE NAME: J:\2024\6081W1\D162V09\CADD Data\Sheets\D162V09-sht-D1 Standard.dgn

ABNA DESIGN FIRM REG. 184.002117

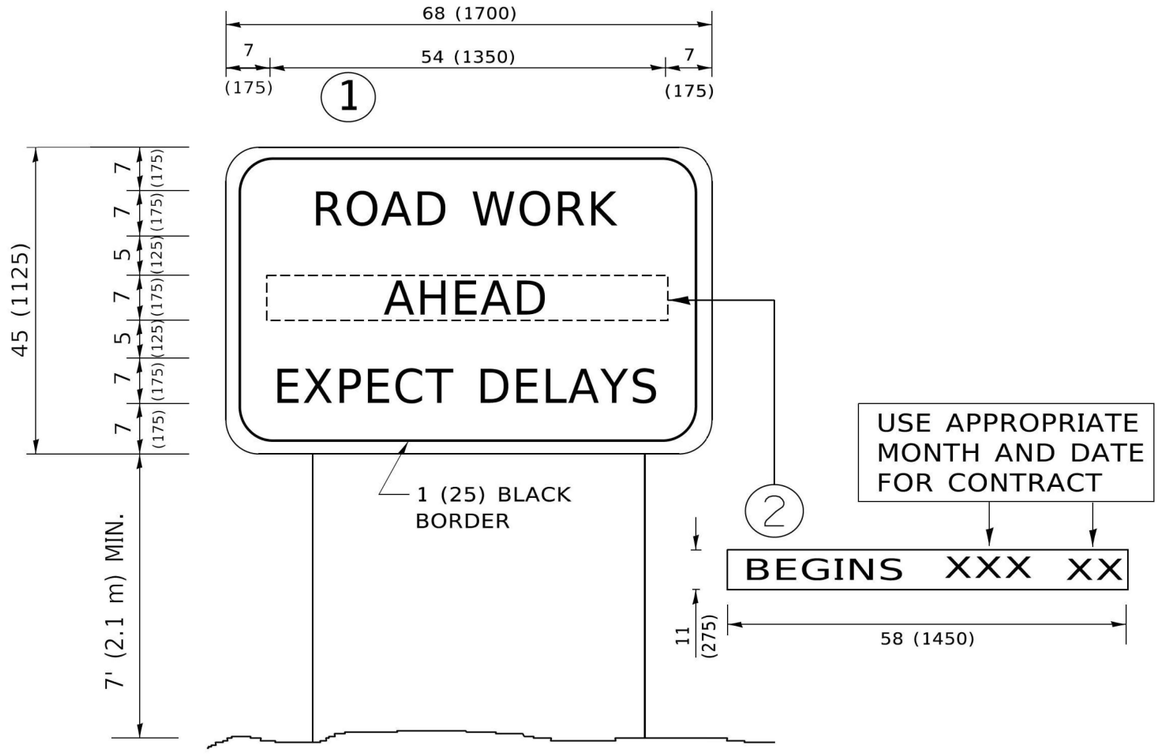
USER NAME = mconroy	DESIGNED - CT	REVISED - ####
	DRAWN - ABD	REVISED - ####
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED - ####
PLOT DATE = 7/17/2025	DATE - 01/10/2025	REVISED - ####

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL-72 AT HUNTINGTON BLVD
DISTRICT ONE SHORT TERM PAVEMENT MARKING (TC-16)

SCALE: 1"=1'-0" | SHEET 5 OF 9 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	72
		CONTRACT NO. 62V09		
	ILLINOIS FED. AID PROJECT			



NOTES:

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

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

ABNA DESIGN FIRM REG. 184.002117

USER NAME = mconroy	DESIGNED - CT	REVISED - ####
	DRAWN - ABD	REVISED - ####
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED - ####
PLOT DATE = 7/17/2025	DATE - 01/10/2025	REVISED - ####

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL-72 AT HUNTINGTON BLVD
ARTERIAL ROAD INFORMATION SIGNS (TC-22)

SCALE: 1"=1'-0" | SHEET 6 OF 9 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	73
		CONTRACT NO. 62V09		
	ILLINOIS FED. AID PROJECT			

GEOCON PROFESSIONAL SERVICES

BORING NO. B-1

PAGE 1 OF 1

CLIENT Peralte Clark **PROJECT NAME** Huntington Blvd & Higgins Rd Improvements

PROJECT NUMBER 24-G1260 **PROJECT LOCATION** Hoffman Estates, IL

DATE COMPLETED 11/5/24 **LOGGED BY** NC/MW **DRILLING METHOD** 3.25 in. HSA

DEPTH (ft)	ELEVATION (ft.)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	IBV VALUE	POCKET PEN. (Qp) (tsf)	UNC. STRENGTH (Qu) (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	ORGANIC CONTENT (%)	ATTERBERG LIMITS LIQUID LIMIT	ATTERBERG LIMITS PLASTIC LIMIT	ATTERBERG LIMITS PLASTICITY INDEX
0	817.2		10" TOPSOIL												
			black and brown CLAY FILL A-7-6 (21) trace gravel hard	SS 1	83	5-6-6 (12)		4.5+	6.4	21.4					
5				SS 2	89	3-4-5 (9)		4.5+	6.2	24.9			41	19	22
	812.0		brown and gray CLAY A-6 very stiff to hard	SS 3	94	3-4-6 (10)		4.5+	4.6	16.4					
10				SS 4	89	3-4-6 (10)		3.75	3.7	17.0					
				SS 5	83	4-4-6 (10)		4.5+	4.7	17.0					
	804.5		gray SANDY LOAM A-2 medium dense, wet	SS 6	56	3-7-9 (16)				13.3					
15	802.0		gray CLAY A-6 very stiff, wet	SS 7	83	5-6-8 (14)		2.25	2.2	11.4					
				SS 8	89	4-7-10 (17)		3.75	3.8	15.4					
20	797.0		gray CLAY LOAM A-4 (0) stiff to very stiff, wet	SS 9	67	5-10-10 (20)		1.0	1.0	9.9			18	12	6
				SS 10	78	6-9-11 (20)		3.5		9.8					
25	792.0		gray CLAY A-6 very stiff to hard, wet	SS 11	89	5-5-8 (13)		3.25	3.2	15.6					
30	788.0			SS 12	94	6-7-9 (16)		4.25	4.3	18.0					

Bottom of borehole at 30.0 feet.

COMPLETION DEPTH 30 ft **GROUND ELEVATION** 818 ft

CAVE DEPTH ft **BACKFILL** Soil Cuttings

GROUND WATER LEVELS:

AT TIME OF DRILLING 14.50 ft / Elev 803.50 ft

AT END OF DRILLING 14.50 ft / Elev 803.50 ft

AFTER DRILLING ---

NOTES

Groundwater conditions were observed at the time of drilling and may not be representative during the time of construction.

Lines of Demarcation represent an **approximate** boundary between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual. Dashed lines are indicative of potentially erratic or unknown changes.

22774 Citation Road, Unit A Frankfort, IL 60423 Phone 815-806-9986

GPS PAVEMENT LOG - GPS STD DATA TEMPLATE.GDT - 1/2/25 14:00 - K:\GEOTECHNICAL\2024\24-G1260 GEO IL 72 (HIGGINS ROAD) AT HUNTINGTON BOULEVARD INTERSECTION IMPROVEMENTS, HOFFMAN ESTATES, IL - IDOT P91-161-24\DRILLER AND LAB\24

GEOCON PROFESSIONAL SERVICES

BORING NO. B-2

PAGE 1 OF 1

CLIENT Peralte Clark **PROJECT NAME** Huntington Blvd & Higgins Rd Improvements

PROJECT NUMBER 24-G1260 **PROJECT LOCATION** Hoffman Estates, IL

DATE COMPLETED 11/5/24 **LOGGED BY** NC/MW **DRILLING METHOD** 3.25 in. HSA

DEPTH (ft)	ELEVATION (ft.)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	IBV VALUE	POCKET PEN. (Qp) (tsf)	UNC. STRENGTH (Qu) (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	ORGANIC CONTENT (%)	ATTERBERG LIMITS LIQUID LIMIT	ATTERBERG LIMITS PLASTIC LIMIT	ATTERBERG LIMITS PLASTICITY INDEX
0	816.2		10" TOPSOIL												
			black and brown CLAY FILL A-7-6 trace gravel hard	SS 1	78	6-9-10 (19)		4.5+	4.7	17.9					
5				SS 2	78	4-3-5 (8)		4.5+	5.4	17.7					
	811.0		brown and gray CLAY A-6 stiff	SS 3	72	2-2-4 (6)		2.0	1.9	26.8					
	808.5		brown and gray CLAY LOAM A-4 medium stiff, wet	SS 4	72	2-2-2 (4)		1.0		19.7					
10	806.0		brown and gray CLAY A-6 (13) very stiff, wet	SS 5	89	3-3-5 (8)		2.5	2.5	18.8			31	15	16
				SS 6	83	5-5-6 (11)		3.5	3.6	17.8					
15	801.0		gray CLAY A-6 very stiff to hard, wet	SS 7	89	5-6-6 (12)		4.5+	6.3	15.3					
				SS 8	100	6-7-6 (13)		4.5+	5.2	13.9					
20				SS 9	89	5-6-11 (17)		4.5+		14.2					
				SS 10	94	7-7-11 (18)		4.5+	4.6	15.6					
25				SS 11	72	6-7-9 (16)		3.5	3.6	18.7					
30	787.0			SS 12	94	5-8-8 (16)		3.75	3.8	18.9					

Bottom of borehole at 30.0 feet.

COMPLETION DEPTH 30 ft **GROUND ELEVATION** 817 ft

CAVE DEPTH 15 ft **BACKFILL** Soil Cuttings

GROUND WATER LEVELS:

AT TIME OF DRILLING 9.50 ft / Elev 807.50 ft

AT END OF DRILLING 9.50 ft / Elev 807.50 ft

AFTER DRILLING ---

NOTES

Groundwater conditions were observed at the time of drilling and may not be representative during the time of construction.

Lines of Demarcation represent an **approximate** boundary between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual. Dashed lines are indicative of potentially erratic or unknown changes.

22774 Citation Road, Unit A Frankfort, IL 60423 Phone 815-806-9986

GPS PAVEMENT LOG - GPS STD DATA TEMPLATE.GDT - 1/2/25 14:00 - K:\GEOTECHNICAL\2024\24-G1260 GEO IL 72 (HIGGINS ROAD) AT HUNTINGTON BOULEVARD INTERSECTION IMPROVEMENTS, HOFFMAN ESTATES, IL - IDOT P91-161-24\DRILLER AND LAB\24

MODEL: Soil Boring-1 [Sheet]
FILE NAME: J:\2024\6081W1\D162V09\CADD Data\Sheets\D162V09-sht-Boring Logs.dgn

ABNA DESIGN FIRM REG. 184.002117

USER NAME = mconroy	DESIGNED - CT	REVISED - ####	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD SOIL BORING
	DRAWN - ABD	REVISED - ####		
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED - ####		SCALE: 1"=1'-0" SHEET 1 OF 3 SHEETS STA. TO STA.
PLOT DATE = 7/17/2025	DATE - 01/10/2025	REVISED - ####		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	74
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		

GEOCON PROFESSIONAL SERVICES

BORING NO. B-3

PAGE 1 OF 1

CLIENT Peralte Clark **PROJECT NAME** Huntington Blvd & Higgins Rd Improvements

PROJECT NUMBER 24-G1260 **PROJECT LOCATION** Hoffman Estates, IL

DATE COMPLETED 11/5/24 **LOGGED BY** NC/MW **DRILLING METHOD** 3.25 in. HSA

DEPTH (ft)	ELEVATION (ft.)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	IBV VALUE	POCKET PEN. (Qp) (tsf)	UNC. STRENGTH (Qu) (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	ORGANIC CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX
0.0	817.1		11" ASPHALT												
	816.6		6" AGGREGATE BASE												
2.5			brown and gray CLAY A-6 very stiff to hard	SS 1	89	6-2-9 (11)	13.2	4.5+	8.3	15.5					
5.0				SS 2	83	5-5-8 (13)		4.5+	5.4	17.6					
7.5				SS 3	89	6-5-7 (12)		3.25	3.3	20.4					
10.0	808.0			SS 4	83	3-5-6 (11)		4.5+	4.7	21.3					

Bottom of borehole at 10.0 feet.

COMPLETION DEPTH 10 ft **GROUND ELEVATION** 818 ft

CAVE DEPTH ft **BACKFILL** Soil Cuttings

GROUND WATER LEVELS:

AT TIME OF DRILLING --- None

AT END OF DRILLING --- Dry upon completion

AFTER DRILLING ---

NOTES

Groundwater conditions were observed at the time of drilling and may not be representative during the time of construction.

Lines of Demarcation represent an **approximate** boundary between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual. Dashed lines are indicative of potentially erratic or unknown changes.

22774 Citation Road, Unit A Frankfort, IL 60423 Phone 815-806-9986

GEOCON PROFESSIONAL SERVICES

BORING NO. B-4

PAGE 1 OF 1

CLIENT Peralte Clark **PROJECT NAME** Huntington Blvd & Higgins Rd Improvements

PROJECT NUMBER 24-G1260 **PROJECT LOCATION** Hoffman Estates, IL

DATE COMPLETED 11/5/24 **LOGGED BY** NC/MW **DRILLING METHOD** 3.25 in. HSA

DEPTH (ft)	ELEVATION (ft.)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	IBV VALUE	POCKET PEN. (Qp) (tsf)	UNC. STRENGTH (Qu) (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	ORGANIC CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX
0.0	816.2		10" ASPHALT												
	815.7		6" AGGREGATE BASE												
2.5			brown and gray CLAY LOAM A-4 very stiff	SS 1	67	8-6-6 (12)	13.2	3.25		15.9					
	813.5		brown and gray CLAY A-6 hard												
5.0				SS 2	89	5-5-5 (10)		4.5+	7.9	15.1					
7.5				SS 3	83	2-6-8 (14)		4.0	4.0	22.5					
10.0	807.0			SS 4	89	5-5-7 (12)		4.5+	7.4	16.5					

Bottom of borehole at 10.0 feet.

COMPLETION DEPTH 10 ft **GROUND ELEVATION** 817 ft

CAVE DEPTH ft **BACKFILL** Soil Cuttings

GROUND WATER LEVELS:

AT TIME OF DRILLING --- None

AT END OF DRILLING --- Dry upon completion

AFTER DRILLING ---

NOTES

Groundwater conditions were observed at the time of drilling and may not be representative during the time of construction.

Lines of Demarcation represent an **approximate** boundary between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual. Dashed lines are indicative of potentially erratic or unknown changes.

22774 Citation Road, Unit A Frankfort, IL 60423 Phone 815-806-9986

ABNA DESIGN FIRM REG. 184.002117

USER NAME = mconroy	DESIGNED - CT	REVISED - ####	
	DRAWN - ABD	REVISED - ####	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED - ####	
PLOT DATE = 7/17/2025	DATE - 01/10/2025	REVISED - ####	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
SOIL BORING

SCALE: 1"=1'-0" | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	75
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		

GEOCON PROFESSIONAL SERVICES

BORING NO. B-5

PAGE 1 OF 1

CLIENT Peralte Clark **PROJECT NAME** Huntington Blvd & Higgins Rd Improvements

PROJECT NUMBER 24-G1260 **PROJECT LOCATION** Hoffman Estates, IL

DATE COMPLETED 11/5/24 **LOGGED BY** NC/MW **DRILLING METHOD** 3.25 in. HSA

DEPTH (ft)	ELEVATION (ft.)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	IBV VALUE	POCKET PEN. (Qp) (tsf)	UNC. STRENGTH (Qu) (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	ORGANIC CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX
0.0	815.3		9" ASPHALT												
			brown CLAY A-6 (11) very stiff	SS 1	89	3-5-6 (11)	3.5	3.25	3.2	18.7					
2.5															
				SS 2	100	3-3-4 (7)		2.25	2.3	25.0			30	18	12
5.0	810.0		brown and gray CLAY A-6 hard												
				SS 3	89	5-5-8 (13)		4.5+	5.7	20.0					
7.5	807.5		gray CLAY A-6 hard												
				SS 4	67	3-4-9 (13)		4.0	4.0	18.4					
10.0	806.0		Bottom of borehole at 10.0 feet.												

COMPLETION DEPTH 10 ft **GROUND ELEVATION** 816 ft

CAVE DEPTH ft **BACKFILL** Soil Cuttings

GROUND WATER LEVELS:

AT TIME OF DRILLING --- None

AT END OF DRILLING --- Dry upon completion

AFTER DRILLING ---

NOTES

Groundwater conditions were observed at the time of drilling and may not be representative during the time of construction.

Lines of Demarcation represent an **approximate** boundary between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual. Dashed lines are indicative of potentially erratic or unknown changes.

22774 Citation Road, Unit A Frankfort, IL 60423 Phone 815-806-9986

GEOCON PROFESSIONAL SERVICES

BORING NO. B-6

PAGE 1 OF 1

CLIENT Peralte Clark **PROJECT NAME** Huntington Blvd & Higgins Rd Improvements

PROJECT NUMBER 24-G1260 **PROJECT LOCATION** Hoffman Estates, IL

DATE COMPLETED 11/5/24 **LOGGED BY** NC/MW **DRILLING METHOD** 3.25 in. HSA

DEPTH (ft)	ELEVATION (ft.)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	IBV VALUE	POCKET PEN. (Qp) (tsf)	UNC. STRENGTH (Qu) (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	ORGANIC CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX
0.0	814.7		4" ASPHALT												
	814.1		7" CONCRETE												
	813.9		2" AGGREGATE BASE												
			brown and gray CLAY A-6 hard	SS 1	78	4-4-7 (11)	3.5	4.5+	5.0	17.4					
2.5															
	811.0		gray CLAY A-6 very stiff to hard	SS 2	89	3-7-7 (14)		4.5+	5.0	14.9					
5.0															
				SS 3	94	4-4-7 (11)		3.25	3.3	17.1					
7.5															
				SS 4	89	3-3-7 (10)		3.75	3.6	20.2					
10.0	805.0		Bottom of borehole at 10.0 feet.												

COMPLETION DEPTH 10 ft **GROUND ELEVATION** 815 ft

CAVE DEPTH ft **BACKFILL** Soil Cuttings

GROUND WATER LEVELS:

AT TIME OF DRILLING --- None

AT END OF DRILLING --- Dry upon completion

AFTER DRILLING ---

NOTES

Groundwater conditions were observed at the time of drilling and may not be representative during the time of construction.

Lines of Demarcation represent an **approximate** boundary between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual. Dashed lines are indicative of potentially erratic or unknown changes.

22774 Citation Road, Unit A Frankfort, IL 60423 Phone 815-806-9986

GPS PAVEMENT LOG - GPS STD DATA TEMPLATE.GDT - 1/2/25 14:00 - K:\GEOTECHNICAL\2024\24-G1260 GEO IL 72 (HIGGINS ROAD) AT HUNTINGTON BOULEVARD INTERSECTION IMPROVEMENTS, HOFFMAN ESTATES, IL - IDOT P91-161-24\DRILLER AND LAB\24

MODEL: Soil Boring - 3 [Sheet]
FILE NAME: J:\2024\6081W1\D162V09\CADD Data\Sheets\D162V09-sht-Boring Logs.dgn

ABNA DESIGN FIRM REG. 184.002117

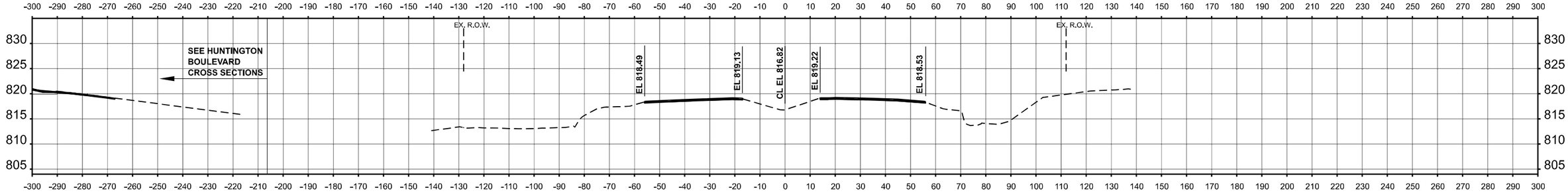
USER NAME = mconroy	DESIGNED - CT	REVISED - ####	
	DRAWN - ABD	REVISED - ####	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED - ####	
PLOT DATE = 7/17/2025	DATE - 01/10/2025	REVISED - ####	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

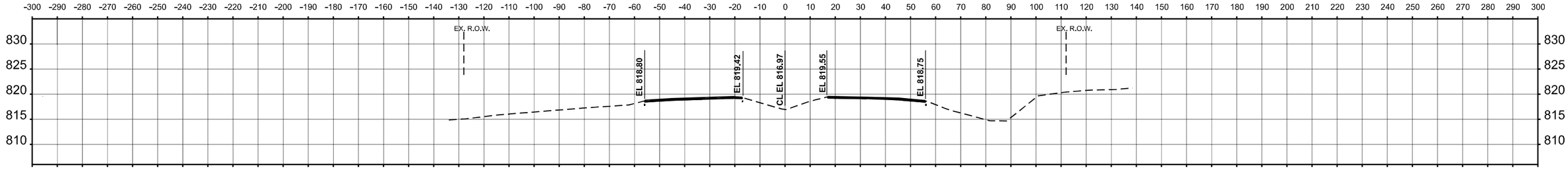
IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
SOIL BORING

SCALE: 1"=1'-0" | SHEET 1 OF 3 SHEETS | STA. | TO STA.

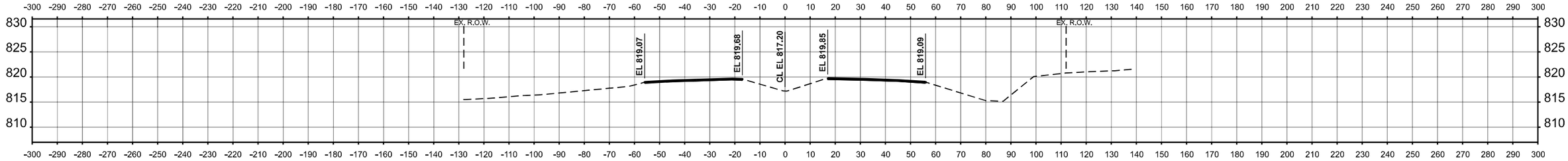
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	76
		CONTRACT NO. 62V09		
	ILLINOIS FED. AID PROJECT			



STA 46+00.00



STA 45+50.00



ABNA DESIGN FIRM REG. 184.002117	USER NAME = mconroy	DESIGNED - CT	REVISED - ####	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD CROSS SECTION
		DRAWN - ABD	REVISED - ####		
	PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED - ####		
	PLOT DATE = 7/17/2025	DATE - 01/10/2025	REVISED - ####		SCALE: 1"=20' | SHEET 1 OF 10 SHEETS | STA. 45+00.00 TO STA. 46+50.00

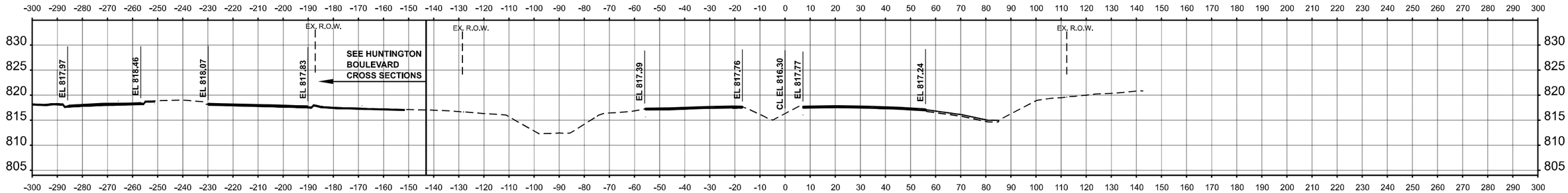
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	77
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		

####

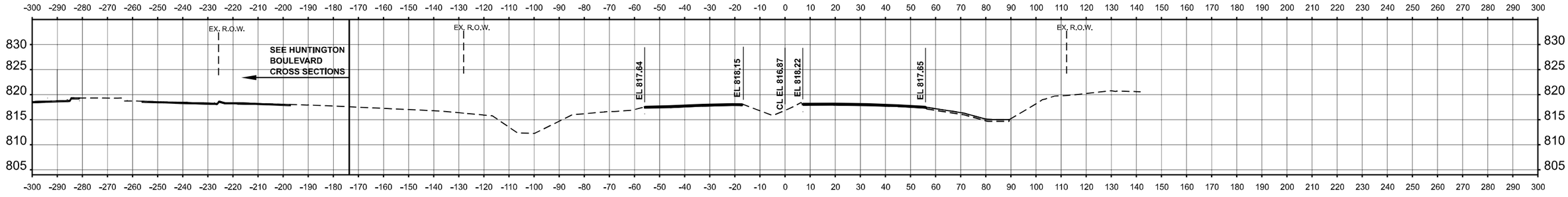
FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

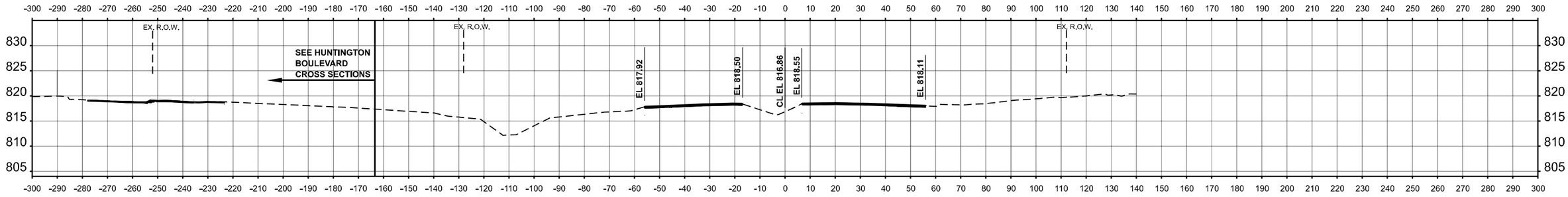
MODEL: ExCL72 -45+00.00
FILE NAME: c:\bms\p-c-pw-01\dms03973\D162V09-XS.dgn



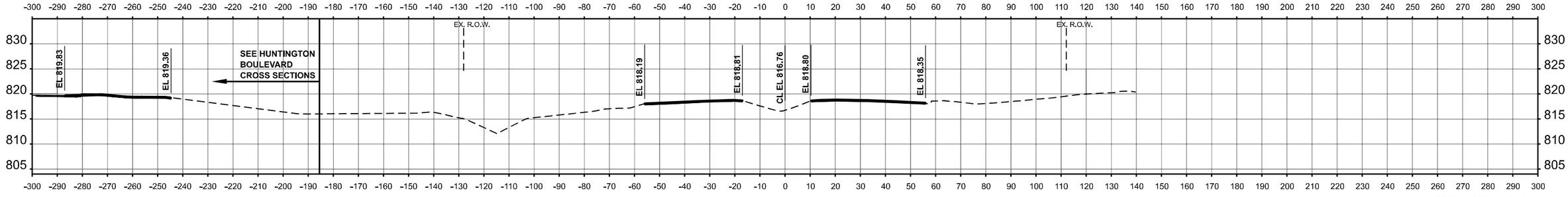
STA 48+50.00



STA 48+00.00



STA 47+50.00



STA 47+00.00

ORIGINAL SURVEY	NOTE BOOK	NO.	BY	DATE
SURVEYED				
PLOTTED				
TEMPLATE				
AREAS				
AREAS CHECKED				

FINAL SURVEY	NOTE BOOK	NO.	BY	DATE
SURVEYED				
PLOTTED				
TEMPLATE				
AREAS				
AREAS CHECKED				

MODEL: ExCL72 - 47+00.00
FILE NAME: c:\bms\pw-pw-01\dms03973\D162V09-XS.dgn

ABNA
DESIGN FIRM REG. 184.002117

USER NAME = mconroy	DESIGNED - CT	REVISED - ####	
	DRAWN - ABD	REVISED - ####	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED - ####	
PLOT DATE = 7/17/2025	DATE - 01/10/2025	REVISED - ####	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
CROSS SECTION

SCALE: 1"=20' | SHEET 2 OF 10 SHEETS | STA. 47+00.00 | TO STA. 48+50.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	78
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		

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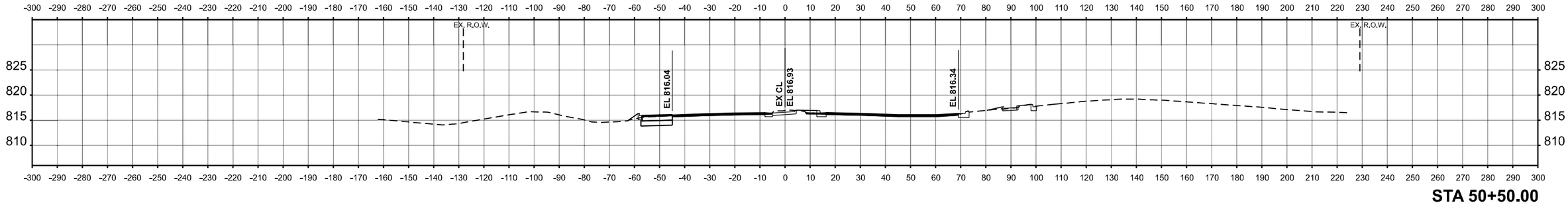
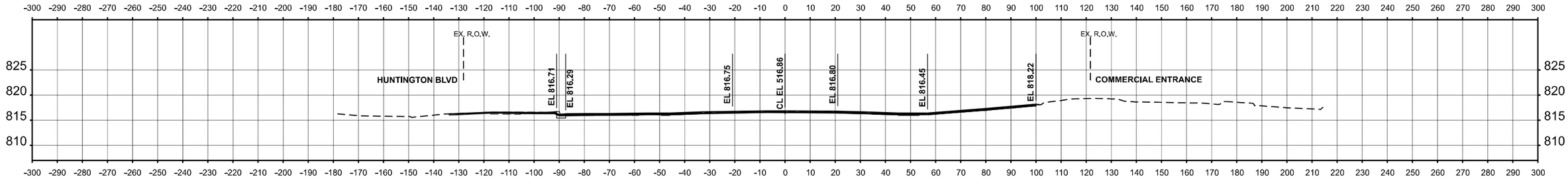
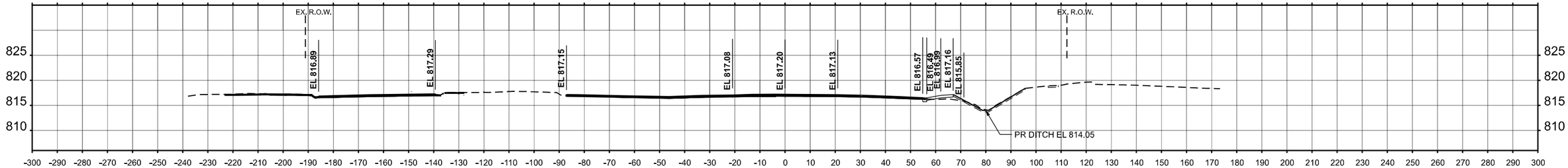


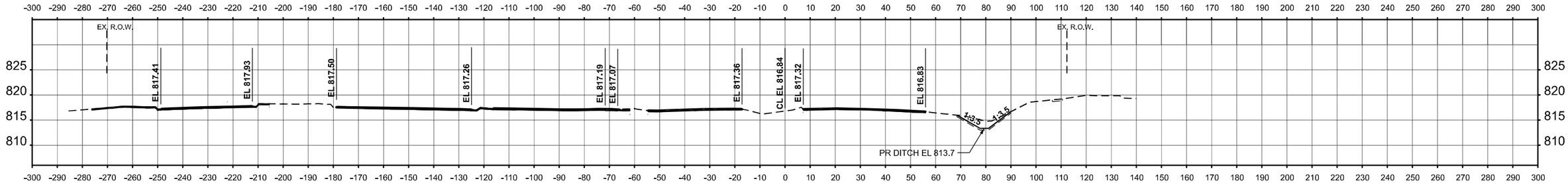
STA 50+50.00



STA 50+00.00



STA 49+50.00



STA 49+00.00

ABNA DESIGN FIRM REG. 184.002117	USER NAME = mconroy	DESIGNED - CT	REVISED -
		DRAWN - ABD	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -
	PLOT DATE = 7/17/2025	DATE - 01/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
CROSS SECTION

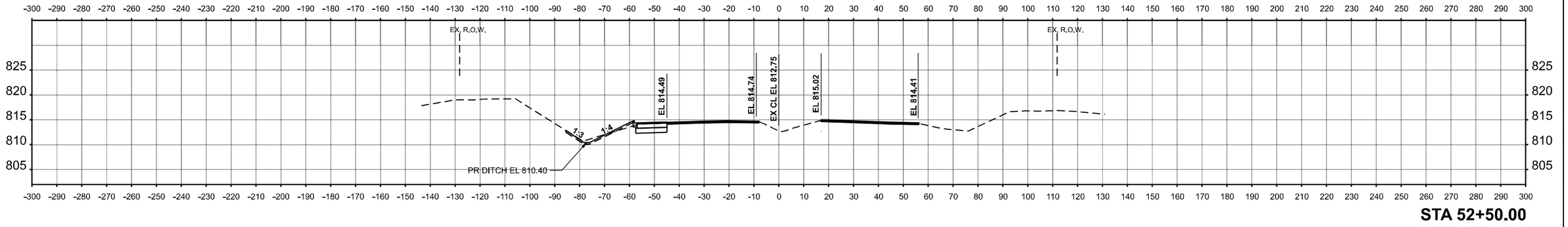
SCALE: 1"=20' | SHEET 3 OF 10 SHEETS | STA. 49+00.00 | TO STA. 50+50.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	79
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		

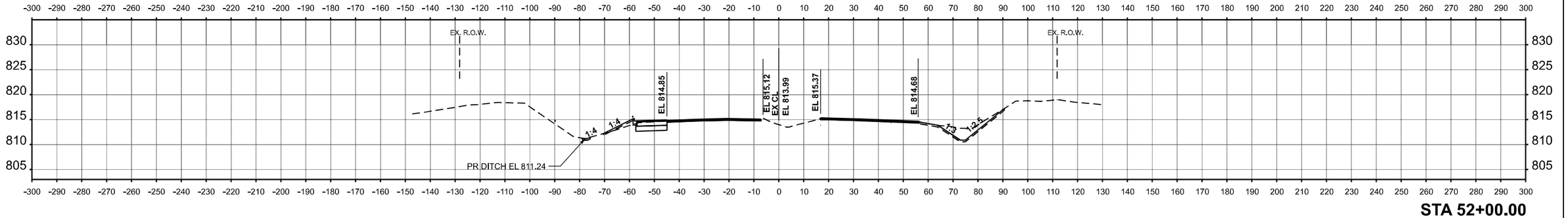
FINAL SURVEY — NOTE BOOK — NO. — BY — DATE — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED

ORIGINAL SURVEY — NOTE BOOK — NO. — BY — DATE — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED

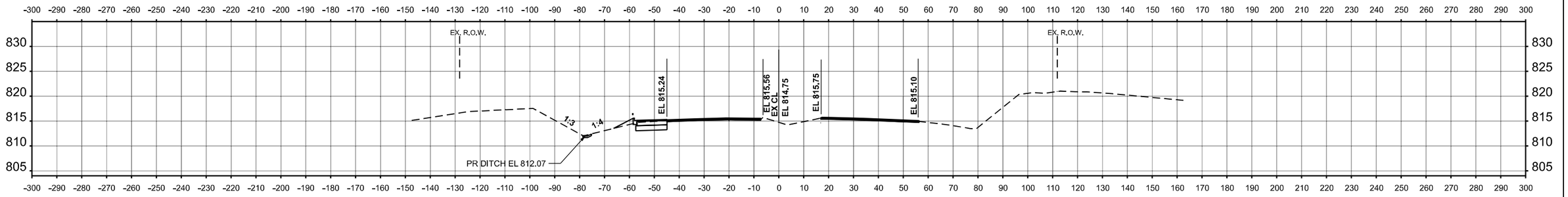
MODEL: ExCL72 - 49+00.00
FILE NAME: c:\bms\p-c-pw-01\dms03973\D162V09-XS.dgn



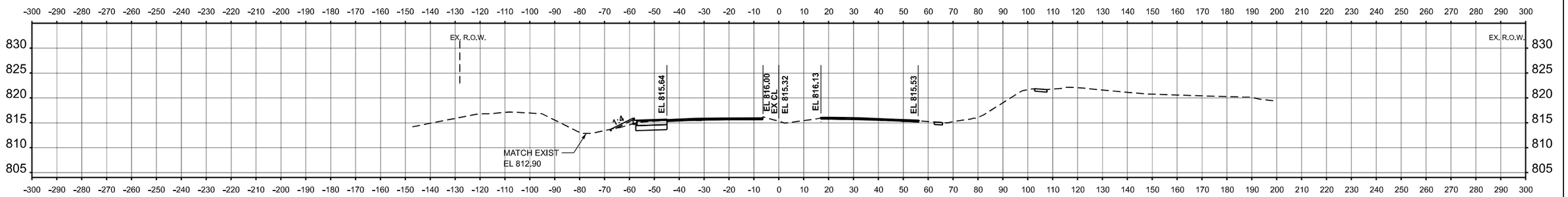
STA 52+50.00



STA 52+00.00



STA 51+50.00



STA 51+00.00

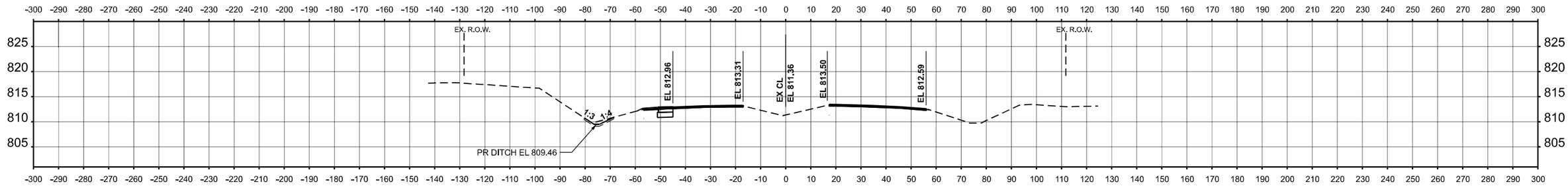
ABNA DESIGN FIRM REG. 184.002117	USER NAME = mconroy	DESIGNED - CT	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD CROSS SECTION**
		DRAWN - ABD	REVISED -		
	PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -		SCALE: 1"=20' SHEET 4 OF 10 SHEETS STA. 51+00.00 TO STA. 52+50.00
	PLOT DATE = 7/17/2025	DATE - 01/10/2025	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	80
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		

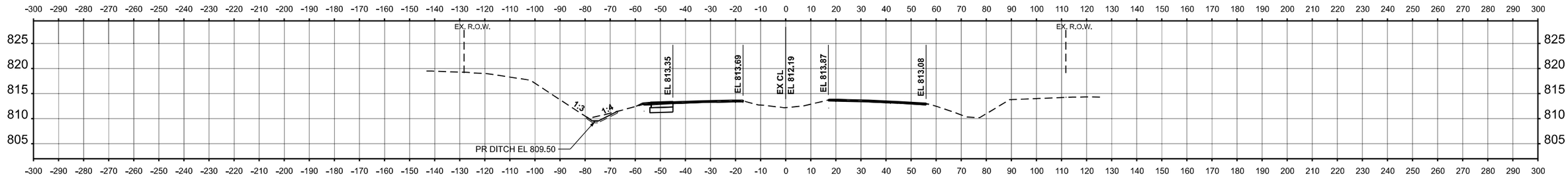
FINAL SURVEY — NOTE BOOK — NO. — BY — DATE
SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED

ORIGINAL SURVEY — NOTE BOOK — NO. — BY — DATE
SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED

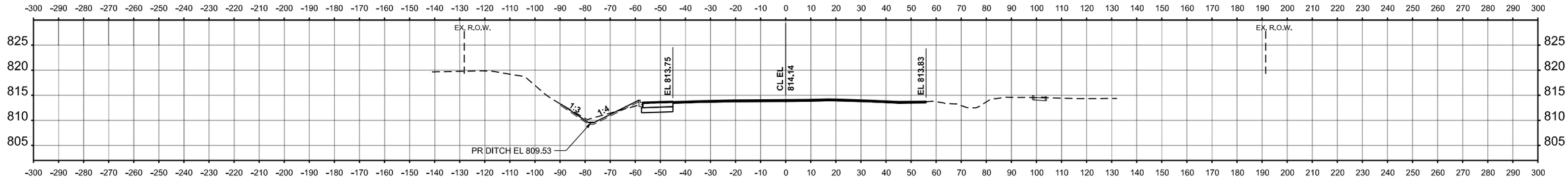
MODEL: ExCL72 - 511+00.00
FILE NAME: c:\bms\p<cpw01\dms03973\D162V09-XS.dgn



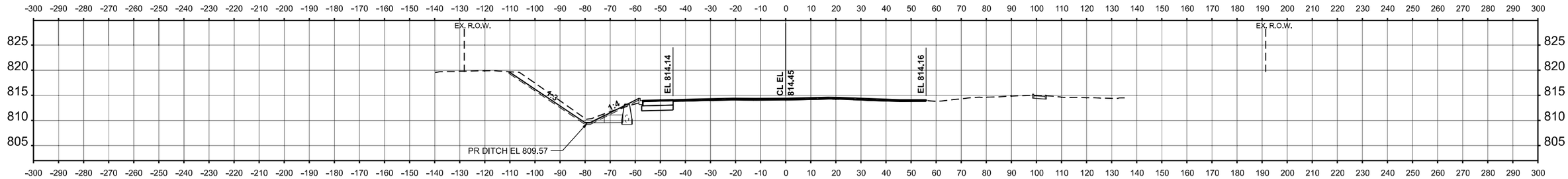
STA 54+50.00



STA 54+00.00



STA 53+50.00



STA 53+00.00

FINAL SURVEY	DATE	BY
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
NOTE BOOK		
NO.	AREAS CHECKED	

ORIGINAL SURVEY	DATE	BY
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
NOTE BOOK		
NO.	AREAS CHECKED	

MODEL: ExCL72 - 53+00.00
FILE NAME: c:\bms\p-c-pw-01\dms03973\D162V09-XS.dgn

ABNA
DESIGN FIRM REG. 184.002117

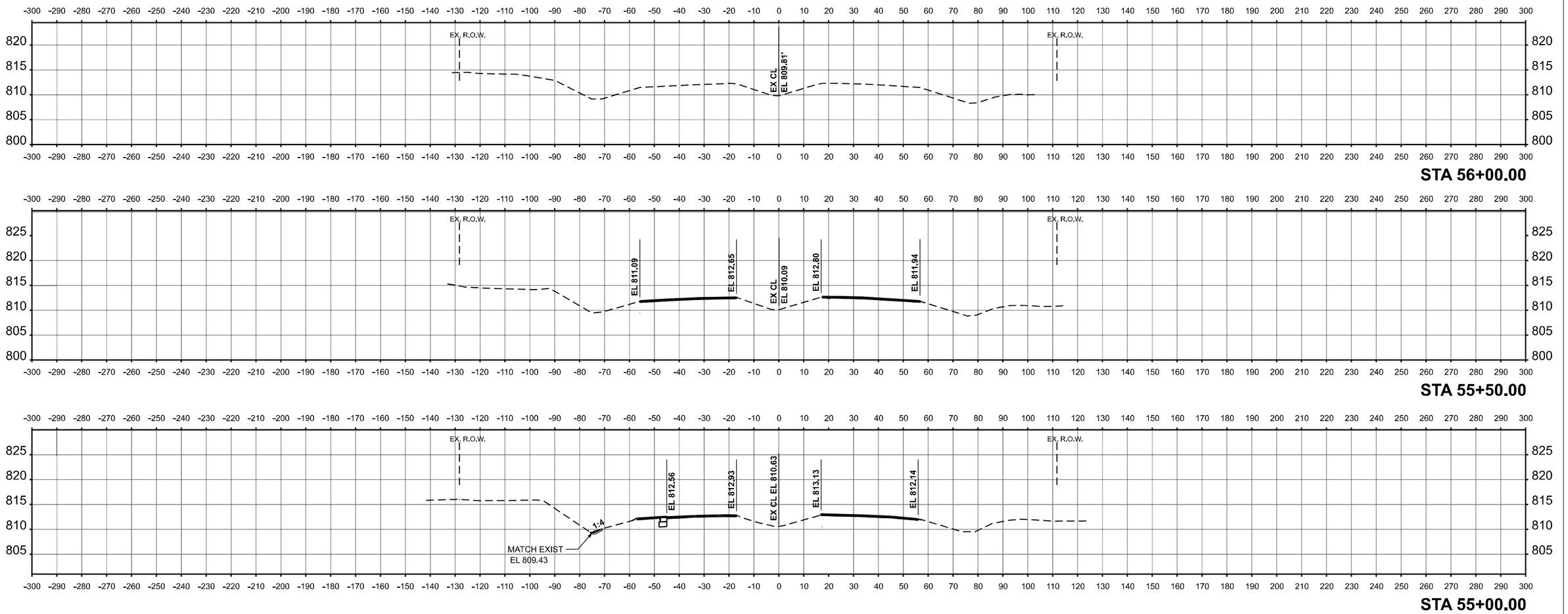
USER NAME = mconroy	DESIGNED - CT	REVISED -	
	DRAWN - ABD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -	
PLOT DATE = 7/17/2025	DATE - 01/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
CROSS SECTION

SCALE: 1"=20' | SHEET 5 OF 10 SHEETS | STA. 53+00.00 | TO STA. 54+50.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	81
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

MODEL: ExCL72 - 55+00.00
FILE NAME: c:\bms\p-c-pw-01\dms\3973\D1621V09-XS.dgn

ABNA
DESIGN FIRM REG. 184.002117

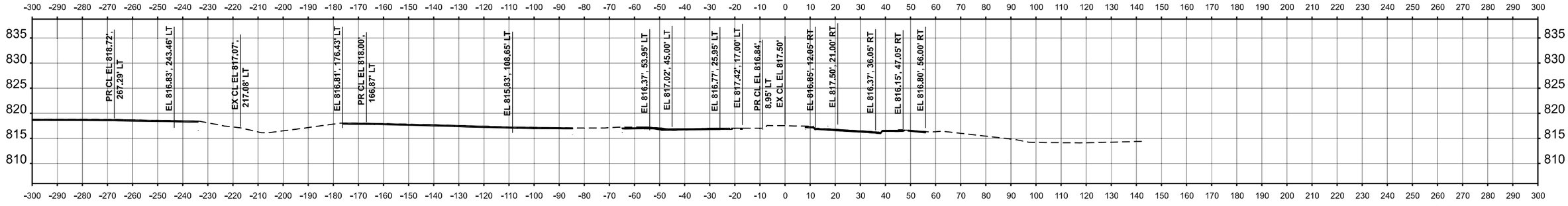
USER NAME = mconroy	DESIGNED - CT	REVISED -	
	DRAWN - ABD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -	
PLOT DATE = 7/17/2025	DATE - 01/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

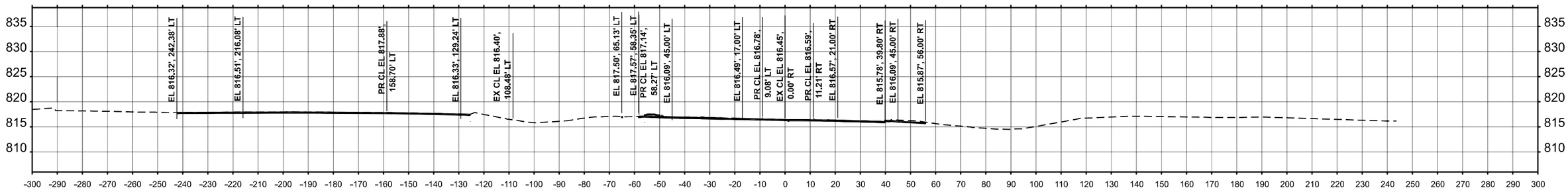
IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
CROSS SECTION

SCALE: 1"=20' | SHEET 6 OF 10 SHEETS | STA. 55+00.00 | TO STA. 56+00.00

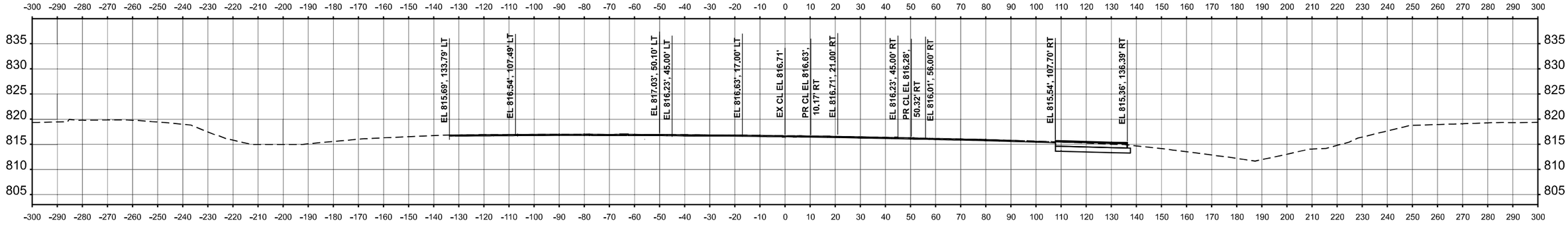
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	82
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		



STA 21+00.00



STA 20+50.00



STA 20+00.00

ABNA
DESIGN FIRM REG. 184.002117

USER NAME = mconroy	DESIGNED - CT	REVISED -	
	DRAWN - ABD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -	
PLOT DATE = 7/17/2025	DATE - 01/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
CROSS SECTION

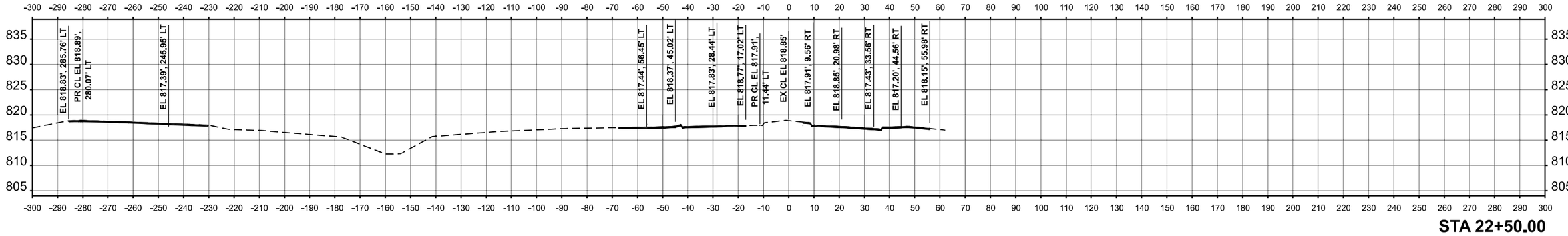
SCALE: 1"=20' | SHEET 7 OF 10 SHEETS | STA. 20+00.00 | TO STA. 21+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	83
		CONTRACT NO. 62V09		
	ILLINOIS	FED. AID PROJECT		

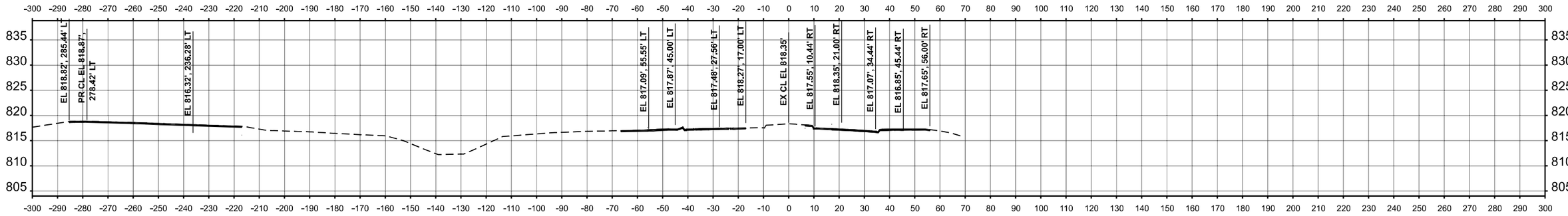
FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

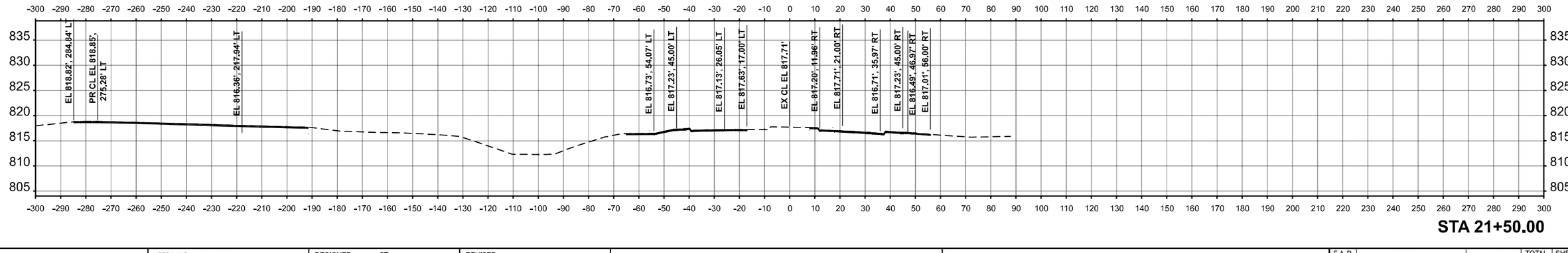
MODEL: HUNTINGTON BLVD. - 20+00.00
FILE NAME: c:\bms\pw-pw\-01\dms03973\D1621V09-XS.dgn



STA 22+50.00



STA 22+00.00



STA 21+50.00

FINAL SURVEY	NOTE BOOK	NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY	NOTE BOOK	NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

MODEL: HUNTINGTON BLVD. - 21+50.00
FILE NAME: c:\bms\p-cpw-01\dms03973\D162V09-XS.dgn

ABNA
DESIGN FIRM REG. 184.002117

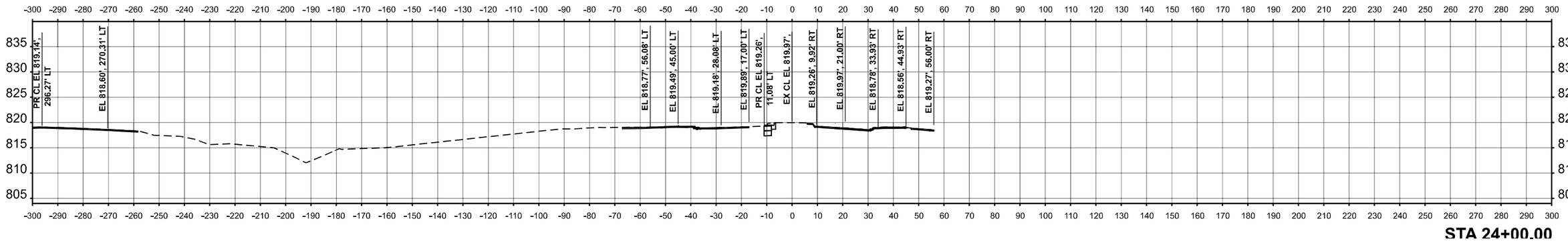
USER NAME = mconroy		DESIGNED - CT	REVISED -	
		DRAWN - ABD	REVISED -	
PLOT SCALE = $SCALE$		CHECKED - TPP	REVISED -	
PLOT DATE = 7/17/2025		DATE - 01/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

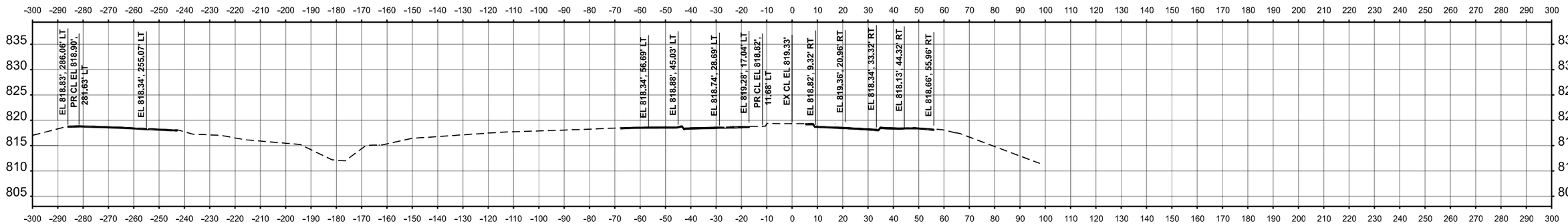
IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
CROSS SECTION

SCALE: 1"=20' | SHEET 8 OF 10 SHEETS | STA. 21+50.00 | TO STA. 22+50.00

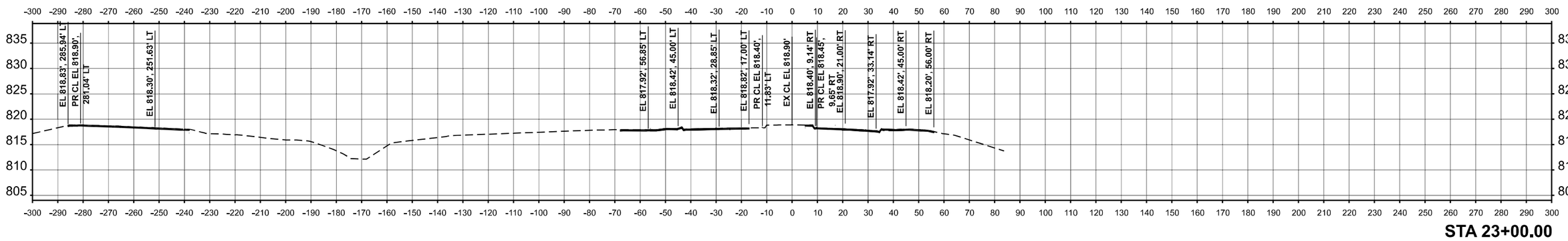
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	84
		CONTRACT NO. 62V09		
		ILLINOIS	FED. AID PROJECT	



STA 24+00.00



STA 23+50.00



STA 23+00.00

FINAL SURVEY / ORIGINAL SURVEY

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK		
NO.		

MODEL: HUNTINGTON BLVD. - 23+00.00
FILE NAME: c:\bms\p<cpw>01\dms\93973\D162V09-XS.dgn

ABNA DESIGN FIRM REG. 184.002117

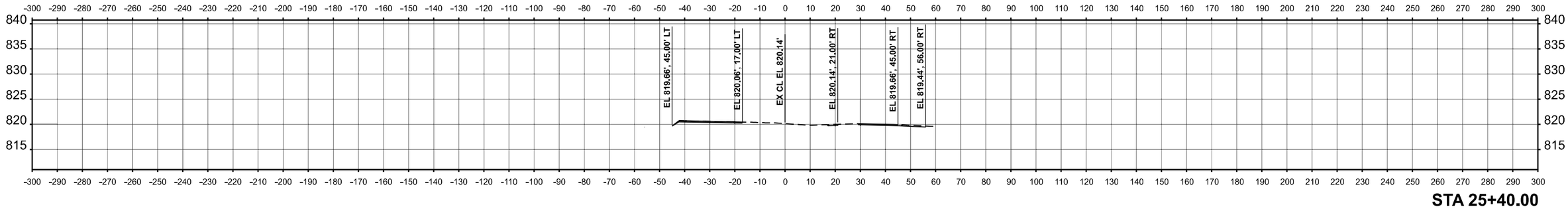
USER NAME = mconroy	DESIGNED - CT	REVISED -	
	DRAWN - ABD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -	
PLOT DATE = 7/17/2025	DATE - 01/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

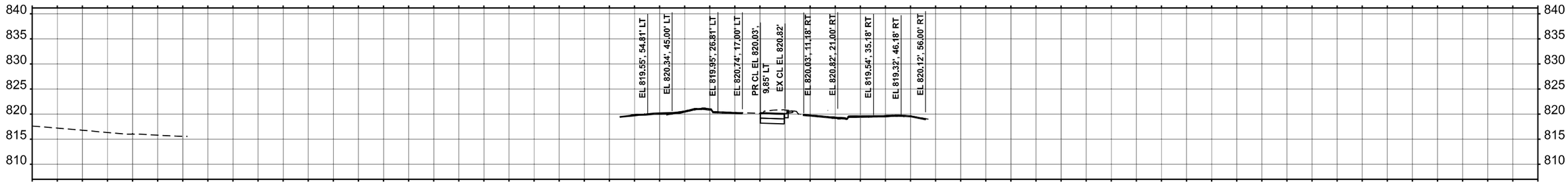
IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
CROSS SECTION

SCALE: 1"=20' | SHEET 9 OF 10 SHEETS | STA. 23+00.00 | TO STA. 24+00.00

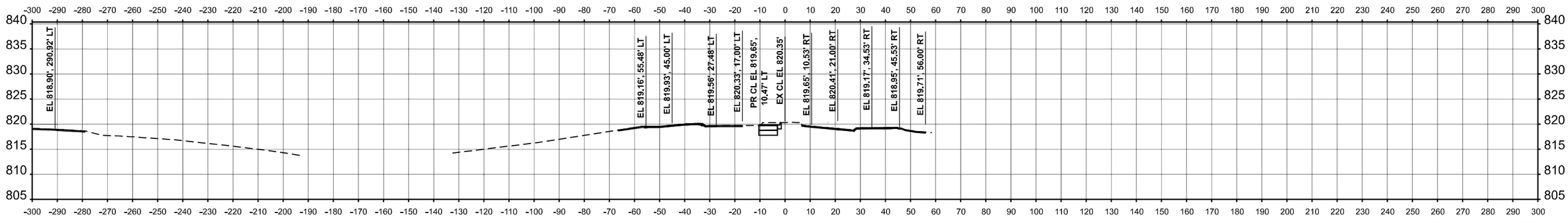
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	85
		CONTRACT NO. 62V09		
		ILLINOIS	FED. AID PROJECT	



STA 25+40.00



STA 25+00.00



STA 24+50.00

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED	BY	DATE
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED	BY	DATE
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

MODEL: HUNTINGTON BLVD. - 24+50.00
FILE NAME: c:\bim\sp-c-pw-01\dms03973\D162V09-XS.dgn

ABNA
DESIGN FIRM REG. 184.002117

USER NAME = mconroy	DESIGNED - CT	REVISED -	
	DRAWN - ABD	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - TPP	REVISED -	
PLOT DATE = 7/17/2025	DATE - 01/10/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
CROSS SECTION

SCALE: 1"=20' | SHEET 10 OF 10 SHEETS | STA. 24+50.00 | TO STA. 25+40.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	FAP 341 23 IM	COOK	86	86
		CONTRACT NO. 62V09		
		ILLINOIS	FED. AID PROJECT	