

FOR INDEX OF SHEETS, SEE SHEET NO. 2

06-12-2020 LETTING ITEM 162

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

**TRAFFIC DATA:**

DESIGN DESIGNATION:  
IL 72 (HIGGINS ROAD) = PRINCIPAL ARTERIAL

ADT:  
IL 72 (HIGGINS ROAD) = 46,950 (2010)

POSTED SPEED:  
IL 72 (HIGGINS ROAD) = 45 MPH

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

**PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY**

FAP ROUTE 341 - IL 72 (HIGGINS ROAD)  
VILLAGE LIMITS TO LIFETIME FITNESS FRONTAGE

MULTI-USE PATH

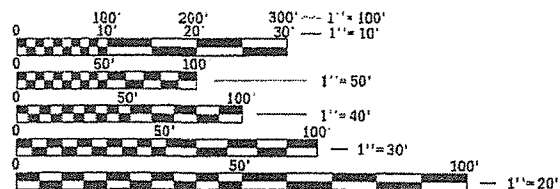
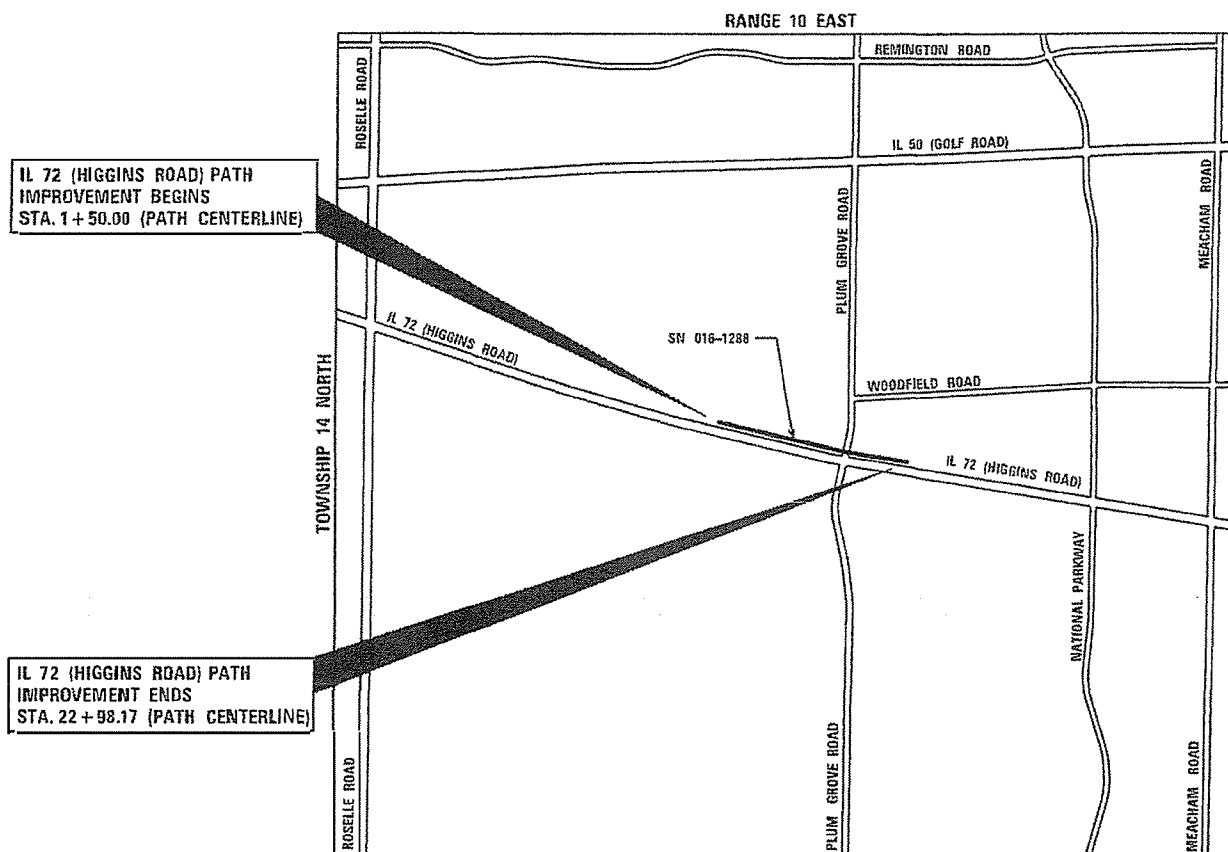
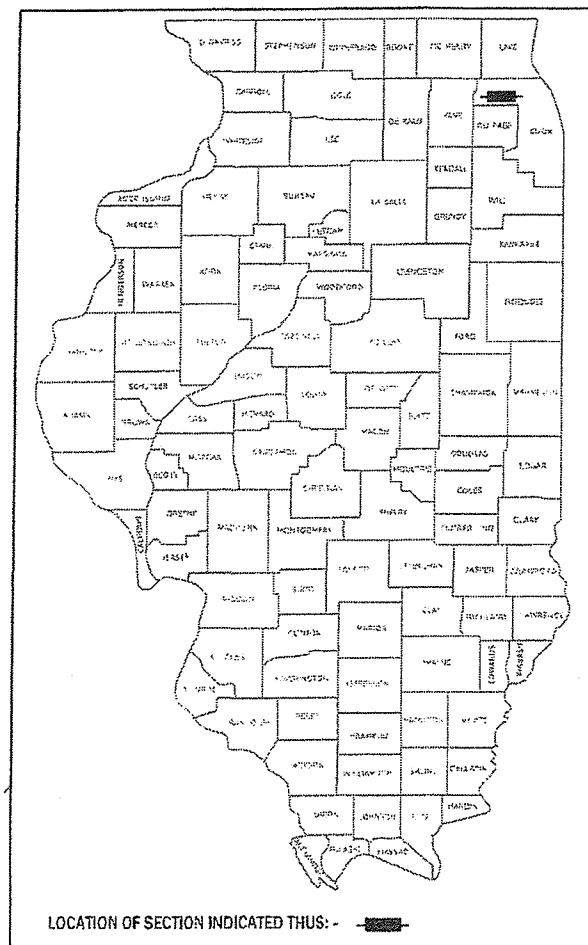
SECTION NO. 15-00122-00-BT

PROJECT NO. IU2G(914)

VILLAGE OF SCHAUMBURG, COOK COUNTY

JOB NO. C-91-201-19

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	7	1
		ILLINOIS	CONTRACT NO. 61G41	



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

SCHAUMBURG TOWNSHIP LOCATION MAP NOT TO SCALE

GROSS AND NET LENGTH = 2,150 FT. = 0.407 MILE

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

Approved 2/27/2020  
*[Signature]*  
VILLAGE OF SCHAUMBURG

Passed 3-16-2020  
*[Signature]*  
District 1 Engineer of Local Roads & Streets

Releasing for Bid Based on Limited Review MARCH 17, 2020  
*[Signature]*  
Regional Engineer

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

V3  
MICHAEL J. RECHTORIK, P.E.  
# 062-058827

*[Signature]*

EXPIRATION DATE: 11-30-2021

CONTRACT NO. 61G41

**GENERAL NOTES**

- ALL EXISTING TOPOGRAPHY, UNDERGROUND UTILITIES, STRUCTURES AND ASSOCIATED FACILITIES SHOWN ON THESE DRAWINGS HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEREFORE, THEIR LOCATIONS AND ELEVATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER FACILITIES, THE EXISTENCE OF WHICH ARE NOT PRESENTLY KNOWN. THE EXACT LOCATIONS AND ELEVATIONS ARE TO BE VERIFIED BY THE CONTRACTOR.
- ALL REFERENCES TO "ENGINEER" SHALL BE INTERPRETED AS THE RESIDENT ENGINEER, AND ALL REFERENCES TO "VILLAGE" AND TO "OWNER" SHALL BE INTERPRETED AS THE VILLAGE OF SCHAUMBURG.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AND THE VILLAGE OF SCHAUMBURG FOR FIELD LOCATIONS OF BURIED UTILITIES AT LEAST 48 HOURS IN ADVANCE OF WORK.
- ALL UTILITY COMPANIES, SCHOOL DISTRICTS, AND LOCAL POLICE AND FIRE DEPARTMENT SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION. UTILITY INFORMATION CAN BE FOUND IN THE "STATUS OF UTILITIES (D-1)" SPECIAL PROVISION.  
 FIRE DEPARTMENT: 847-923-6750  
 POLICE DEPARTMENT: 847-882-3534  
 TOWNSHIP HIGH SCHOOL DISTRICT 211: 847-755-6600  
 SCHOOL DISTRICT 54: 847-357-5010
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD CHECK ALL DIMENSIONS AND ELEVATIONS OF EXISTING UTILITY LINES AND STRUCTURES THAT MAY BE IMPACTED BY THE PROPOSED WORK PRIOR TO ORDERING MATERIAL OR BEGINNING CONSTRUCTION. ANY DISCREPANCIES FROM THE PLANS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED BY THE UTILITY COMPANY.
- THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONARY AND PROTECTIVE MEASURES REQUIRED TO MAINTAIN AND PROTECT EXISTING UTILITIES, SEWERS, MAINS AND APPURTENANCES THAT MUST BE KEPT IN OPERATION. IN PARTICULAR, THE CONTRACTOR SHALL TAKE ADEQUATE MEASURES TO PREVENT THE UNDERMINING OF UTILITIES, SEWERS AND MAINS WHICH WILL REMAIN IN SERVICE. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND UTILITY COMPANY TO DETERMINE IF TEMPORARY BRACING OR SUPPORT OF THE UTILITIES IS REQUIRED.
- THE CONTRACTOR WILL NOT BE PERMITTED TO SET UP A YARD OR FIELD OFFICE ON STATE OR VILLAGE PROPERTY WITHOUT PRIOR WRITTEN PERMISSION OF THE DEPARTMENT.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE DISTURBED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED EACH LOCATION.
- ALL APPLICABLE PROVISIONS OF THE CURRENT OCCUPATIONAL SAFETY AND HEALTH ACT ARE HEREIN INCORPORATED BY REFERENCE.
- NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET ARE HEREIN INCORPORATED BY REFERENCE.
- EXCEPT WHERE MODIFIED BY THE CONTRACT DOCUMENTS, ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
  - "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", BRIDGE CONSTRUCTION", ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, APRIL 1, 2016.
  - "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, JANUARY 1, 2020.
  - THE LATEST EDITIONS OF THE MUNICIPAL CODE AND STANDARDS OF THE VILLAGE OF SCHAUMBURG.
  - THE ILLINOIS ACCESSIBILITY CODE.
  - THE LATEST EDITIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", AND THE "ILLINOIS SUPPLEMENT TO THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
  - "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", LATEST EDITION.
  - "ILLINOIS RECOMMENDED STANDARDS FOR SEWAGE WORKS," AS PUBLISHED BY THE IEPA, LATEST EDITION.
  - "MANUAL OF TEST PROCEDURES FOR MATERIALS", LATEST EDITION
  - "ILLINOIS URBAN MANUAL", LATEST EDITION
  - THE NATIONAL ELECTRIC CODE, LATEST EDITION.

- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS/HER WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR HAVING A SET OF "APPROVED" ENGINEERING PLANS WITH THE LATEST REVISION DATE ON THE JOB SITE PRIOR TO THE START OF CONSTRUCTION AND AT ALL TIMES DURING CONSTRUCTION.
- AREAS OUTSIDE THE R.O.W. LINE OR CONSTRUCTION LIMIT LINE IMPACTED BY OPERATIONS OF THE CONTRACTOR SHALL BE RETURNED TO THE STATE IT WAS FOUND PRIOR TO NEW CONSTRUCTION, EXCEPT WHERE NEW WORK IS SHOWN.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER, RESIDENTS, BUSINESSES, AND THE VILLAGE WHEN ACCESS TO DRIVEWAYS WILL BE TEMPORARILY CLOSED OR IMPACTED DUE TO CURB AND GUTTER AND/OR DRIVEWAY REPLACEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE VILLAGE TO RESIDENTS AND BUSINESSES AT LEAST 24 HOURS PRIOR TO PLANNED CLOSURE. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES INCLUDING KNOCKING ON DOORS WHEN DRIVEWAYS ARE ABOUT TO BE CLOSED.
- PORTABLE/CHANGEABLE ELECTRONIC MESSAGE BOARDS SHALL BE USED IN ADVANCE OF THE PROJECT ACCORDING TO IDOT STANDARDS AND SHALL BE IN PLACE A MINIMUM OF 72 HOURS PRIOR TO COMMENCING THE WORK AND REMAIN THROUGHOUT THE ROADWAY CONSTRUCTION WORK.
- AREAS TO BE RESTORED OUTSIDE THE FURNISHED TOPSOIL PLACEMENT SHALL BE PREPARED ACCORDING TO SECTION 252 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR FOR ARTERIALS AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV AT LEAST 72 HOURS BEFORE BEGINNING WORK

**REMOVALS, SIDEWALK, CURB AND GUTTER, AND PAVING NOTES**

- ALL EXISTING PAVEMENT OR CONCRETE CURB AND GUTTER TO BE REMOVED SHALL BE SAWCUT ALONG LIMITS OF PROPOSED REMOVAL BEFORE COMMENCEMENT OF PAVEMENT REMOVAL. THE COST OF THE SAW CUT SHALL BE INCLUDED IN THE COST OF ITEM BEING REMOVED.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PROPER AND LAWFUL REMOVAL AND DISPOSAL OF EXCAVATED MATERIALS FROM THE JOBSITE. ALL WASTE MATERIAL SHALL BE DISPOSED OF OFF-SITE AT THE CONTRACTOR'S EXPENSE.
- NO HOLES ARE TO BE LEFT OPEN IN THE PAVEMENT OR PARKWAY OVER A HOLIDAY, WEEKEND OR AFTER 3:00 P.M. ON THE DAY PRECEDING A HOLIDAY OR A WEEKEND.
- STREET PAVING AND CURBS TO REMAIN SHALL BE PROTECTED FROM DAMAGE. IF DAMAGED, IT SHALL BE REPLACED PROMPTLY IN CONFORMANCE WITH THE MUNICIPALITY OR IDOT STANDARD SPECIFICATIONS IN MATERIALS AND WORKMANSHIP AND BY CONTRACTOR.
- ALL CURB RADII REFER TO EDGE OF PAVMENT UNLESS OTHERWISE NOTED.
- PROPOSED ELEVATIONS INDICATE FINISHED CONDITIONS. FOR ROUGH GRADING ELEVATIONS ALLOW FOR THICKNESS OF PROPOSED PAVING (ROADS, WALKS, DRIVES, ETC.) OR TOPSOIL AS INDICATED ON DRAWINGS.

**DRAINAGE NOTES**

- STRUCTURE OFFSET LOCATIONS ARE TO THE EDGE OF PAVEMENT IF THE STRUCTURE IS IN THE CURB LINE OR TO THE CENTER OF THE STRUCTURE IF THE STRUCTURE IS NOT IN THE CURB LINE.
- WHenever, during construction operations, loose material is deposited in the flow line of gutters, drainage structures, ditches etc., such that the natural flow line of water is obstructed, the loose material shall be removed at the close of each working day. Prior to acceptance of the improvement, all drainage structures and flow lines shall be free from dirt and debris.

**IDOT DISTRICT ONE STANDARDS**

- BD-02 DRIVEWAY DETAIL - DISTANCE BETWEEN R.O.W AND FACE OF CURB GREATER THAN 15'
- BD-08 FRAMES AND LIDS ADJUSTMENT WITH MILLING
- BD-32 BUTT JOINTS AND HMA TAPER
- BE-301 LIGHT POLE FOUNDATION 40' TO 47 1/2' M.H. 15" BOLT CIRCLE
- BE-702 MISCELLANEOUS ELECTRICAL DETAILS, SHEET A - (CABLE SPLICE, POLE WIRING, TRENCH DETAIL)
- TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
- TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
- TC-16 SHORT-TERM PAVEMENT MARKING LETTERS AND SYMBOLS
- TC-22 ARTERIAL ROAD INFORMATION SIGN
- TS-03 HANDHOLE TO INTERCEPT EXISTING CONDUIT
- TS-05 STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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- 424011-04 CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
- 424016-05 MID-BLOCK RAMPS FOR SIDEWALKS
- 424021-05 DEPRESSED CORNER FOR SIDEWALKS
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- 424031-02 MEDIAN PEDESTRIAN CROSSINGS
- 602011-02 CATCH BASIN TYPE C
- 602701-02 MANHOLE STEPS
- 604091-03 FRAME AND GRATE TYPE 24
- 606001-07 CONCRETE CURBTYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 606301-04 PC CONCRETE ISLANDS AND MEDIANS
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- 880006-01 TRAFFIC SIGNAL MOUNTING DETAILS
- 886001-01 DETECTOR LOOP INSTALLATIONS
- 886006-01 TYPICAL LAYOUTS FOR DETECTION LOOPS

**COMMITMENTS**

NONE

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V3 Companies  
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
www.v3co.com

USER NAME = bpendry	DESIGNED - BNP	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 2"	CHECKED - MJR	REVISED -
PLOT DATE = 4/30/2020	DATE - 4/10/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF DRAWINGS, HIGHWAY STANDARDS,  
AND GENERAL NOTES**

SCALE: NTS SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	2
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT			IU2G(914)	

**LIGHTING AND ELECTRICAL NOTES**

- THE EXISTING LIGHTING SYSTEM IS OWNED AND MAINTAINED BY IDOT.
- LOCATION OF LIGHTING CONDUIT, DUCT HANDHOLES AND APPURTENANCES ARE SHOWN DIAGRAMMATICALLY. THE ACTUAL LOCATION IN THE FIELD MUST MEET THE APPROVAL OF THE ENGINEER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO AUGURING FOR LIGHT POLE FOUNDATIONS. THE EXACT LOCATIONS OF ALL ITEMS SHALL BE CONFIRMED WITH THE ENGINEER PRIOR TO STARTING WORK.
- ALL INSTALLATIONS, MATERIALS AND GROUNDING OF ELECTRICAL SYSTEMS, EQUIPMENT AND APPURTENANCES SHALL BE IN STRICT CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE (NEC), LATEST EDITION, AND THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) STANDARD SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION.
- GROUNDING OF POLE AND CONTROLLER INCLUDING GROUND ROD, CONDUCTOR AND LUGS INCLUDING EXOTHERMIC WELD TO GROUND ROD SHALL BE INCLUDED IN THE COST OF THE PAY ITEM FOR WHICH IT IS INSTALLED.
- ALL SPLICING MUST BE IN POLE BASES OR JUNCTION BOXES ABOVE GRADE WITH WATERPROOF SEALANT AND HEAT SHRINKABLE PLASTIC CAPS.
- EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND BONDED TO EACH ELECTRICAL HANDHOLE THEY PASS THROUGH AS WELL AS EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT. BOXES SHALL BE EQUIPPED FOR THE GROUNDING WIRE TERMINATIONS WITHOUT DEGRADATION OF BOX RATING.
- EXISTING ELECTRICAL SERVICE IS 240/480V, SINGLE-PHASE.
- INSTALL CABLE IN CONTINUOUS UNCUT LENGTHS BETWEEN LIGHT POLES.
- LIGHT POLE OVER CURRENT PROTECTION SHALL BE 5 AMP FUSES.
- EXISTING LIGHTING CONTROLLER XF IS LOCATED AT THE SOUTHEAST CORNER OF HIGGINS ROAD AND MORNINGSIDE DRIVE.
- THE CONTRACTOR SHALL STAGE THE LIGHTING WORK SUCH THAT THERE ARE NO OVERNIGHT OUTAGES TO THE LIGHTING SYSTEM.

**SIGNING AND PAVEMENT MARKING NOTES**

- TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS, THE ENGINEER SHALL CONTACT DON CHIARUGI, AREA TRAFFIC FILLED ENGINEER AT DON.CHIARUGI@ILLINOIS.GOV.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS IN ORDER THAT THESE LOCATIONS CAN BE REESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE DIRECTED BY THE ENGINEER.

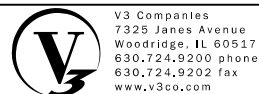
**MWRD GENERAL NOTES**

- ACCESS HATCHES AND MANHOLE COVERS ON MWRD STRUCTURES AND MANHOLES WITHIN THE PROJECT AREA SHALL NOT BE COVERED OR BURIED.
- NO DEBRIS SHALL ENTER MWRD STRUCTURES, SEWERS, OR FACILITIES.
- MWRD PERSONNEL SHALL HAVE 24 HOUR UNRESTRICTED ACCESS TO ALL MWRD FACILITIES.
- CONTACT MR. STEVE WHITEHEAD, SENIOR CIVIL ENGINEER, AT (708) 588-4080 FOR QUESTIONS REGARDING ACCESS TO MWRD FACILITIES OR FIELD LOCATION.
- MWRD MANHOLES SHALL BE LOCATED, PROTECTED AND/OR ADJUSTED TO GRADE, IF NECESSARY. PRIOR AUTHORIZATION SHALL BE OBTAINED BY CONTACTING MR. CEDRIC ROBERTSON, MANAGING ENGINEER, AT (708) 588-3896.

**GENERAL SOIL AND EROSION CONTROL NOTES**

- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS, AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
- SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE.
- DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 14 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE.
- ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE EROSION CONTROL MEASURE.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 CALENDAR DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.
- ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED. THE CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR INSPECTION, MAINTENANCE AND REPAIR OF EROSION CONTROL MEASURES DURING CONSTRUCTION.
- THE EROSION AND SEDIMENT CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED AS COORDINATED WITH THE VILLAGE OR DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE EROSION CONTROL MEASURES FOR STOCKPILES TO REMAIN FOR MORE THAN 3 DAYS.
- ALL PROVIDED MEASURES, INSPECTIONS, MAINTENANCE, AND REPAIRS SHALL BE IN ACCORDANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN AND ILLINOIS URBAN MANUAL.

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USER NAME = bpendry	DESIGNED - BNP	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 2"	CHECKED - MJR	REVISED -
PLOT DATE = 4/30/2020	DATE - 4/10/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF DRAWINGS, HIGHWAY STANDARDS,  
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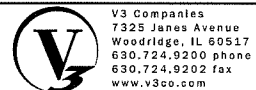
SCALE: NTS SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	3
				CONTRACT NO. 61G41
				ILLINOIS FED. AID PROJECT IU2G(914)

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	CONSTRUCTION TYPE CODE
				80% FEDERAL/ 20% VILLAGE OF SCHAUMBURG	80% FEDERAL/ 20% VILLAGE OF SCHAUMBURG
				BIKE / PED. PATH	TRAINEES
				0028	0042
				URBAN	URBAN
* 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	61	61	
* 20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	37	37	
20101100	TREE TRUNK PROTECTION	EACH	12	12	
* 20101200	TREE ROOT PRUNING	EACH	11	11	
20200100	EARTH EXCAVATION	CU YD	675	675	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	660	660	
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	4,089	4,089	
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	51	51	
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	51	51	
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	51	51	
* 25200110	SODDING, SALT TOLERANT	SQ YD	4,089	4,089	
* 25200200	SUPPLEMENTAL WATERING	UNIT	62	62	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	85	85	
28000305	TEMPORARY DITCH CHECKS	FOOT	2	2	
28000400	PERIMETER EROSION BARRIER	FOOT	1,447	1,447	

# SPECIAL PROVISION \* SPECIALTY ITEMS

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V3 Companies  
 7325 Jones Avenue  
 Woodridge, IL 60517  
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USER NAME = bpendry  
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 PLOT DATE = 4/30/2020

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 REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 1 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				0028	0042
				URBAN	URBAN
28000510	INLET FILTERS	EACH	18	18	
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	4,089	4,089	
# 30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	184	184	
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	282	282	
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	1,596	1,596	
35400500	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"	SQ YD	140	140	
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	221	221	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	3,449	3,449	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	994	994	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	109	109	
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	61	61	
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	282	282	
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	124	124	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	550	550	

# SPECIAL PROVISION \* SPECIALTY ITEMS

MODEL: Default  
FILE NAME: R52018112561D:\awing\mken\CADD\_Sheets\0118761-shl-50002.dgn



V3 Companies  
7325 Jones Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
www.v3co.com

USER NAME = bpendry	DESIGNED - BNP	REVISED -
PLOT SCALE = 2'	DRAWN - DRP	REVISED -
PLOT DATE = 4/30/2020	CHECKED - MJR	REVISED -
	DATE - 4/10/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

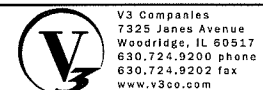
**SUMMARY OF QUANTITIES**

SCALE: NTS	SHEET 2 OF 9 SHEETS	STA. TO STA.	F.A.P. RTE. 341	SECTION 15-00122-00-BT	COUNTY COOK	TOTAL SHEETS 73	SHEET NO. 5
						CONTRACT NO. 61G41	
						ILLINOIS FED. AID PROJECT IJ2G(914)	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	CONSTRUCTION TYPE CODE
				80% FEDERAL/20% VILLAGE OF SCHAUMBURG	80% FEDERAL/20% VILLAGE OF SCHAUMBURG
				BIKE / PED. PATH 0028 URBAN	TRAINEES 0042 URBAN
42400800	DETECTABLE WARNINGS	SQ FT	141	141	
# 44000100	PAVEMENT REMOVAL	SQ YD	123	123	
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	1,133	1,133	
# 44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	265	265	
44000300	CURB REMOVAL	FOOT	40	40	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	740	740	
# 44000600	SIDEWALK REMOVAL	SQ FT	7,206	7,206	
55100500	STORM SEWER REMOVAL 12"	FOOT	3	3	
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	1	1	
60250200	CATCH BASINS TO BE ADJUSTED	EACH	2	2	
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	1	1	
60500050	REMOVING CATCH BASINS	EACH	1	1	
60600605	CONCRETE CURB, TYPE B	FOOT	40	40	
60603500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06	FOOT	93	93	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	250	250	

# SPECIAL PROVISION \* SPECIALTY ITEMS

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USER NAME = bpendry  
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DRAWN - DRP  
CHECKED - MJR  
PLOT SCALE = 2"  
PLOT DATE = 4/30/2020

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REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

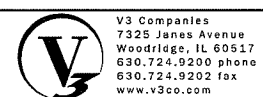
SCALE: NTS SHEET 3 OF 9 SHEETS STA. TO STA.

F.A.P. RTE. 341	SECTION 15-00122-00-BT	COUNTY COOK	TOTAL SHEETS 73	SHEET NO. 6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G41	
			I02G(914)	

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	CONSTRUCTION TYPE CODE
					80% FEDERAL/20% VILLAGE OF SCHAUMBURG	80% FEDERAL/20% VILLAGE OF SCHAUMBURG
					BIKE / PED. PATH	TRAINEES
					0028	0042
					URBAN	URBAN
#	60605000	COMBINATION CONCRETE AND CURB GUTTER, TYPE B-6.24	FOOT	446	446	
* #	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	230	230	
* #	66900530	SOIL DISPOSAL ANALYSIS	EACH	4	4	
* #	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1	
* #	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1	
* #	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	70	70	
#	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3	
	67100100	MOBILIZATION	LSUM	1	1	
	70300900	PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS	SQ FT	36	36	
	70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	2,265	2,265	
	70300924	PAVEMENT MARKING TAPE, TYPE IV 24"	FOOT	96	96	
*	72000100	SIGN PANEL - TYPE 1	SQ FT	9	9	
	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1	
*	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	15	15	

# SPECIAL PROVISION \* SPECIALTY ITEMS

MODEL: Default  
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PLOT SCALE = 2'	DRAWN - DRP	REVISED -
PLOT DATE = 4/30/2020	CHECKED - MJR	REVISED -
	DATE - 4/10/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: NTS SHEET 4 OF 9 SHEETS STA. TO STA.

F.A.P. RTE. 341	SECTION 15-00122-00-BT	COUNTY COOK	TOTAL SHEETS 73	SHEET NO. 7
ILLINOIS FED. AID PROJECT				CONTRACT NO. 61G41
				0226(914)

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	CONSTRUCTION TYPE CODE
				80% FEDERAL/20% VILLAGE OF SCHAUMBURG	80% FEDERAL/20% VILLAGE OF SCHAUMBURG
				BIKE / PED. PATH 0028 URBAN	TRAINEES 0042 URBAN
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	73	73	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	95	95	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	789	789	
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	274	274	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	928	928	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	93	93	
* # 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	190	190	
* # 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	10	10	
* # 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	422	422	
* # 81400100	HANDHOLE	EACH	2	2	
* # 81400200	HEAVY-DUTY HANDHOLE	EACH	1	1	
* # 81400300	DOUBLE HANDHOLE	EACH	1	1	
* 81603090	UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	146	146	
* # 81702415	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 6	FOOT	246	246	
* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	13	13	

# SPECIAL PROVISION \* SPECIALTY ITEMS

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 PLOT DATE = 4/30/2020

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 DATE - 4/10/2020

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 REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 5 OF 9 SHEETS STA. TO STA.

F.A.P. RTE. 341	SECTION 15-00122-00-BT	COUNTY COOK	TOTAL SHEETS 73	SHEET NO. 8
CONTRACT NO. 61G41			ILLINOIS FED. AID PROJECT IJ2G(914)	



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				80% FEDERAL/20% VILLAGE OF SCHAUMBURG	80% FEDERAL/20% VILLAGE OF SCHAUMBURG
				BIKE / PED. PATH	TRAINEES
				0028	0042
				URBAN	URBAN
* 84200804	REMOVAL OF POLE FOUNDATION	EACH	1	1	
* 84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	1	1	
* # 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	2	
* # 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2,241	2,241	
* # 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,599	2,599	
* # 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,149	1,149	
* # 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	521	521	
* # 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	5,276	5,276	
* # 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	541	541	
* 87900200	DRILL EXISTING HANDHOLE	EACH	7	7	
* # 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4	4	
* # 88600100	DETECTOR LOOP, TYPE I	FOOT	317	317	
* # 88800100	PEDESTRIAN PUSH-BUTTON	EACH	5	5	
* # 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	1	

# SPECIAL PROVISION \* SPECIALTY ITEMS

MODEL: Default  
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www.v3co.com

USER NAME = bpendry  
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DRAWN - DRP  
CHECKED - MJR  
PLOT SCALE = 2"  
PLOT DATE = 4/30/2020  
DATE - 4/10/2020

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REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

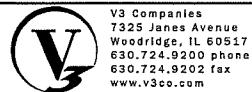
SCALE: NTS SHEET 6 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G41	
			I02G141	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				80% FEDERAL/ 20% VILLAGE OF SCHAUMBURG	80% FEDERAL/ 20% VILLAGE OF SCHAUMBURG
				BIKE / PED. PATH 0028 URBAN	TRAINEES 0042 URBAN
* 89502200	MODIFY EXISTING CONTROLLER	EACH	1	1	
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	6,158	6,158	
* 89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	3,935	3,935	
* 89502380	REMOVE EXISTING HANDHOLE	EACH	3	3	
* # X1400378	PEDESTRAIN SIGNAL POST, 5 FT	EACH	1	1	
* A2000086	TREE, ACER X FREEMANII ARMSTRONG (ARMSTRONG FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	2	
* A2004520	TREE, GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	2	
* A2005020	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	2	
* # X0323927	MAINTENANCE OF LIGHTING SYSTEM	EACH	1	1	
* # X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	302	302	
* # X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	790	790	
# X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	220	220	
* # X1400367	PEDESTRIAN SIGNAL POST, 10 FT	EACH	3	3	
# X4240440	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH, SPECIAL	SQ FT	573	573	
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	171	171	

# SPECIAL PROVISION \* SPECIALTY ITEMS

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PLOT SCALE = 2"	DRAWN - DRP	REVISED -
PLOT DATE = 4/30/2020	CHECKED - MJR	REVISED -
	DATE - 4/10/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

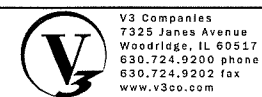
SUMMARY OF QUANTITIES			
SCALE: NTS	SHEET 7 OF 9 SHEETS	STA.	TO STA.

F.A.P. RTE. 341	SECTION 15-00122-00-BT	COUNTY COOK	TOTAL SHEETS 73	SHEET NO. 10
CONTRACT NO. 61G41				ILLINOIS FED. AID PROJECT IJ26(914)

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
					80% FEDERAL/ 20% VILLAGE OF SCHAUMBURG	80% FEDERAL/ 20% VILLAGE OF SCHAUMBURG
					BIKE / PED. PATH	TRAINEES
					0028	0042
					URBAN	URBAN
#	X4403700	MEDIAN REMOVAL (SPECIAL)	SQ FT	583	583	
* #	X5090810	PEDESTRIAN RAIL (SPECIAL)	FOOT	65	65	
#	X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	2	2	
#	X6026051	SANITARY MANHOLES TO BE RECONSTRUCTED	EACH	1	1	
#	X6060714	CONCRETE MEDIAN (SPECIAL)	SQ FT	813	813	
#	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1	
* #	X8100105	CONDUIT SPLICE	EACH	3	3	
* #	X8780010	CONCRETE FOUNDATION TYPE A 10 INCH DIAMETER	FOOT	16	16	
#	Z0004510	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"	SQ YD	42	42	
	Z0007430	TEMPORARY SIDEWALK	SQ FT	872	872	
#	Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1	
#	Z0022810	FENCE REMOVAL (SPECIAL)	FOOT	52	52	
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	103	103	
* #	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1	1	

# SPECIAL PROVISION \* SPECIALTY ITEMS

MODEL: D:\draft\15-001122-00\Drawings\Main\CADD\_Sheets\0118261-11-5008.dgn



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PLOT SCALE = 2'	CHECKED - MJR	REVISED -
PLOT DATE = 4/30/2020	DATE - 4/10/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

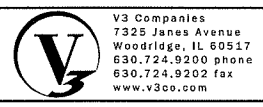
SUMMARY OF QUANTITIES			
SCALE: NTS	SHEET 8 OF 9 SHEETS	STA.	TO STA.

F.A.P. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	11
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT				102G(914)

* #	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
					80% FEDERAL/ 20% VILLAGE OF SCHAUMBURG	80% FEDERAL/ 20% VILLAGE OF SCHAUMBURG
					BIKE / PED. PATH	TRAINEES
					0028 URBAN	0042 URBAN
	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	1	
	Z0076600	TRAINEES	HOUR	500		500
	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500		500

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# SPECIAL PROVISION \* SPECIALTY ITEMS

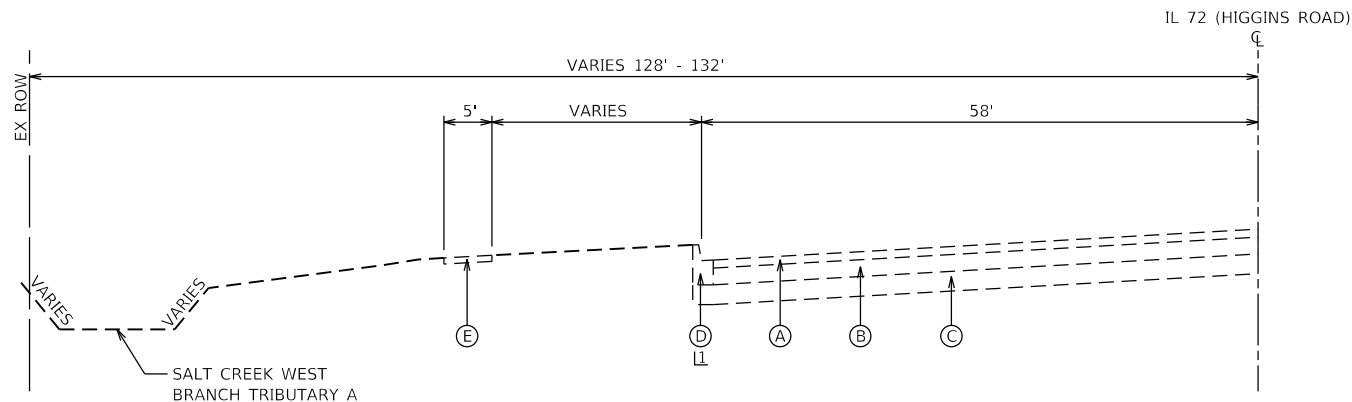


USER NAME = bpendry	DESIGNED - BNP	REVISED -
PLOT SCALE = 2"	DRAWN - DRP	REVISED -
PLOT DATE = 4/30/2020	CHECKED - MJR	REVISED -
	DATE - 4/10/2020	REVISED -

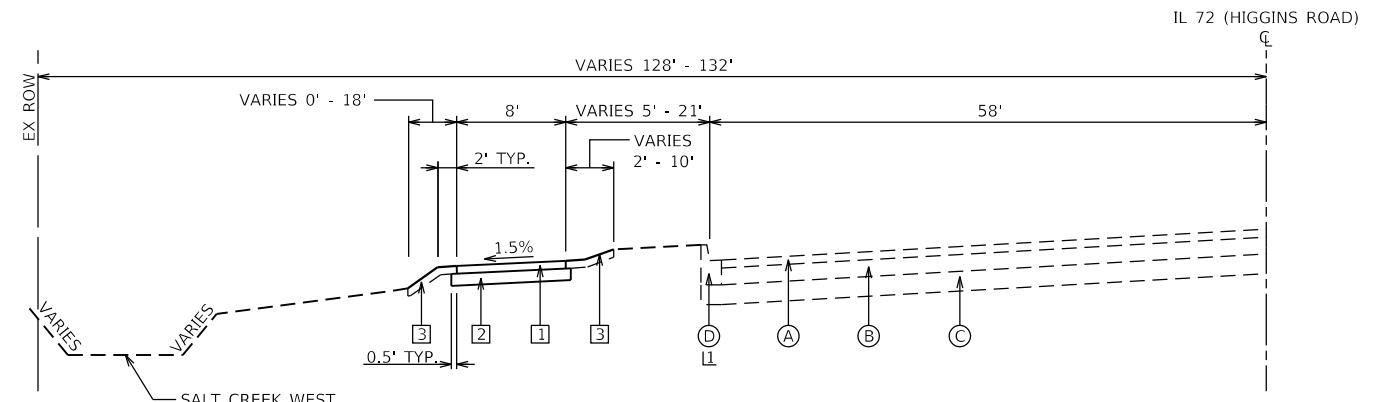
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES					
SCALE: NTS	SHEET 9	OF 9	SHEETS	STA.	TO STA.

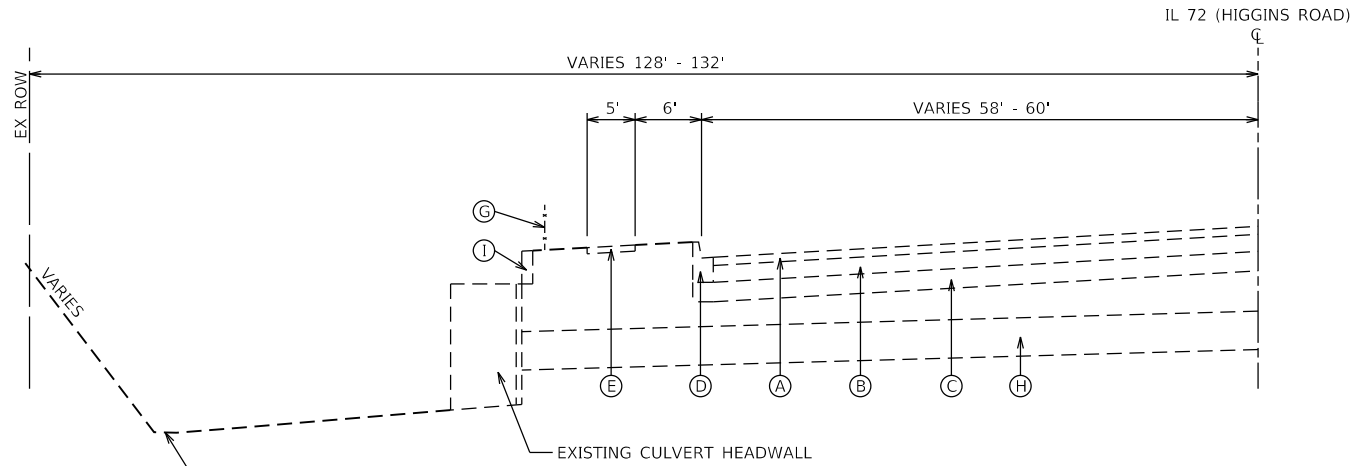
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	12
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G41	
IU2G(914)				



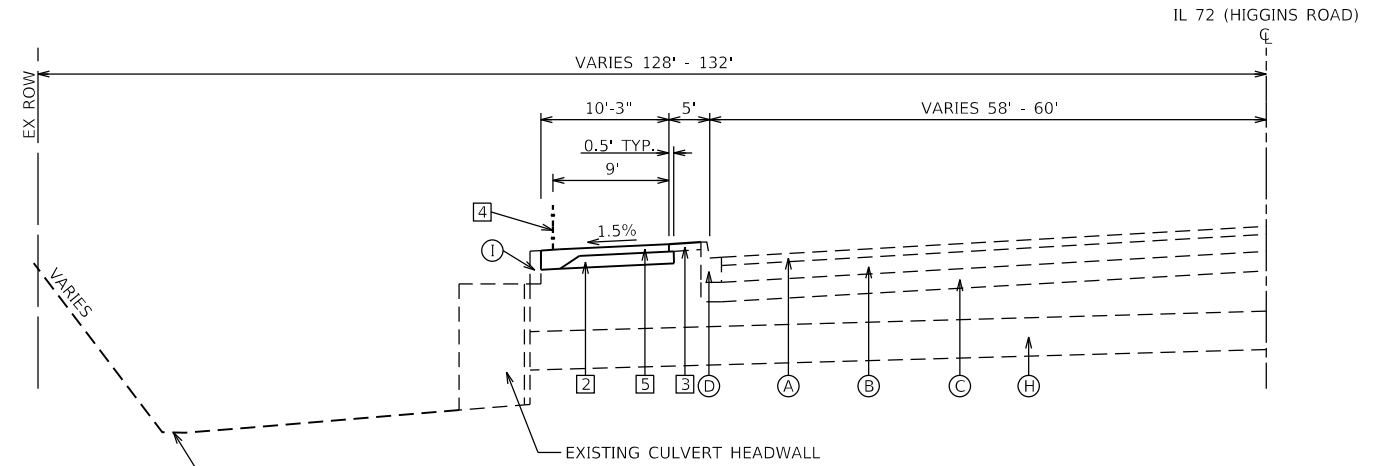
**EXISTING TYPICAL SECTION**  
**IL 72 (HIGGINS ROAD)**  
 STA 1+50.00 TO STA 7+84.00  
 LL BEGINS AT STA 4+85.00



**PROPOSED TYPICAL SECTION**  
**IL 72 (HIGGINS ROAD)**  
 STA 1+50.00 TO STA 7+84.00  
 LL BEGINS AT STA 4+85.00



**EXISTING TYPICAL SECTION**  
**IL 72 (HIGGINS ROAD)**  
 STA 7+84.00 TO STA 8+40.00



**PROPOSED TYPICAL SECTION**  
**IL 72 (HIGGINS ROAD)**  
 STA 7+84.00 TO STA 8+40.00

**HOT-MIX ASPHALT REQUIREMENTS**

MIXTURE TYPE	VOIDS
<b>SHARED-USE PATH</b>	
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 3"	4% @ 50 GYR
<b>RESURFACING AND PAVEMENT WIDENING - PLUM GROVE ROAD</b>	
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 - 1 1/2"	4% @ 70 GYR
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 - 3/4"	3.5% @ 50 GYR
<b>HMA DRIVEWAY PAVEMENT - FULL DEPTH</b>	
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 2"	4% @ 50 GYR
HOT-MIX ASPHALT BASE COURSE (HOT-MIX ASPHALT BINDER IL-19.0) - 8" (2 LIFTS)	4% @ 50 GYR
<b>HMA DRIVEWAY PAVEMENT, 3"</b>	
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 3"	4% @ 50 GYR
<b>TEMPORARY SIDEWALK</b>	
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 3"	4% @ 50 GYR
<b>NOTES:</b>	
THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IN 112 LBS/SQ. YD./IN.	
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "PG 76-22" AND FOR NON -POLYMERIZED HMA THE "AC-TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE WITH RECYCLED MATERIAL, SEE SPECIAL PROVISIONS.	

**EXISTING LEGEND**

- (A) EXISTING HOT-MIX ASPHALT COURSE, THICKNESS VARIES
- (B) EXISTING HOT-MIX ASPHALT BASE COURES, THICKNESS VARIES
- (C) EXISTING AGGREGATE BASE, THICKNESS VARIES
- (D) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- (E) EXISTING CONCRETE SIDEWALK
- (F) EXISTING RAISED MEDIAN
- (G) EXISTING FENCE
- (H) EXISTING BOX CULVERT, 4' H x 6' W
- (I) EXISTING RETAINING WALL

**PROPOSED LEGEND**

- [1] HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50 -3"
- [2] AGGREGATE BASE COURSE, TYPE B, - 8"
- [3] SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 6" FERTILIZER NUTRIENT (NITROGEN, PHOSPHORUS, POTASSIUM)
- [4] PEDESTRIAN RAIL (SPECIAL)
- [5] PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH, SPECIAL

**NOTES**

1. REFERENCE CROSS SECTIONS FOR MULTI-USE PATH CROSS SLOPES AND VARYING PARKWAY SLOPES.
2. STATIONING SHOWN IS PATH CENTERLINE.

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: NTS SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	13
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT				IUG(914)

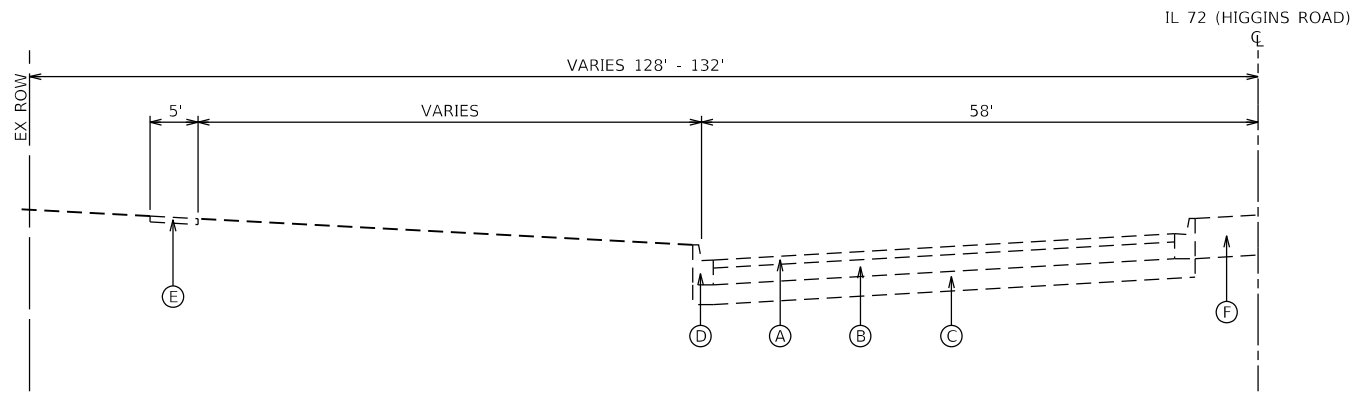
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V3 Companies  
 7325 Janes Avenue  
 Woodridge, IL 60517  
 630.724.9200 phone  
 630.724.9202 fax  
 www.v3co.com

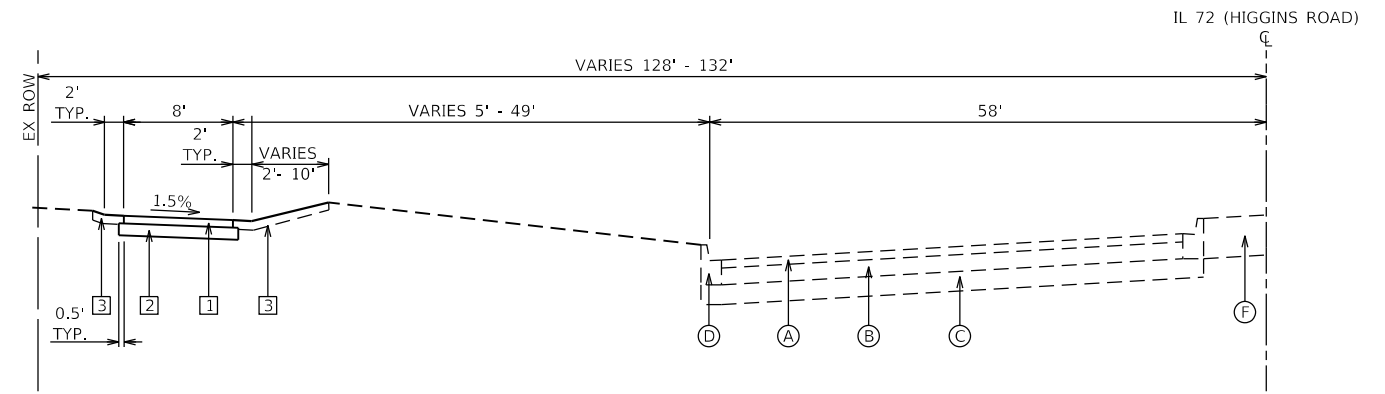
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 PLOT SCALE = 20"  
 PLOT DATE = 4/30/2020

DESIGNED - BNP  
 DRAWN - DRP  
 CHECKED - MJR  
 DATE - 4/10/2020

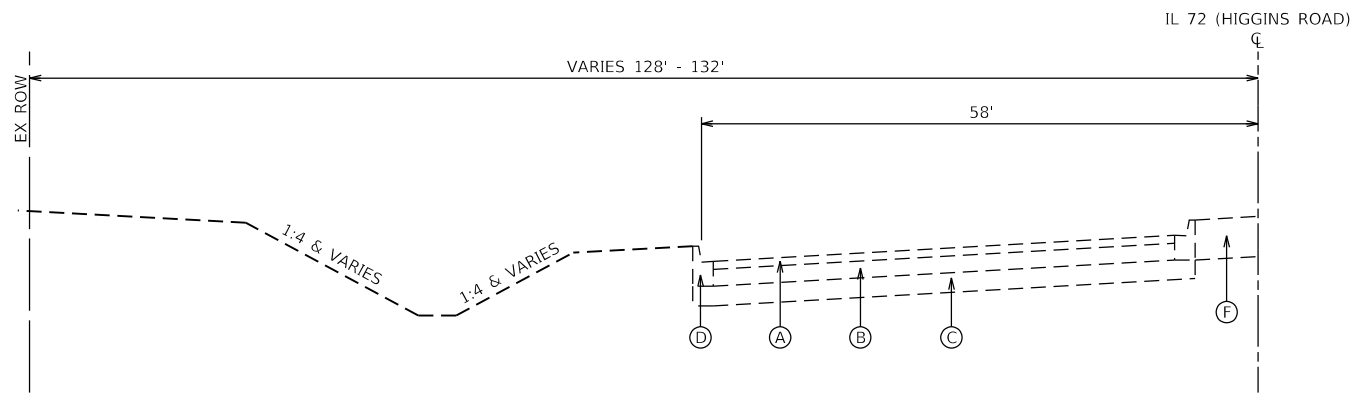
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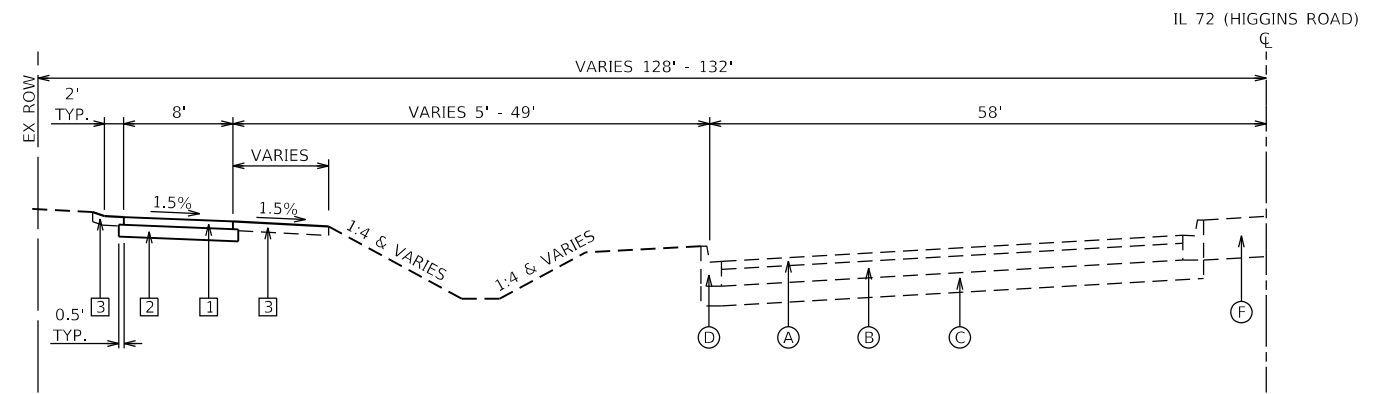
**EXISTING TYPICAL SECTION**  
**IL 72 (HIGGINS ROAD)**  
 STA 8+40.00 TO STA 14+65.00



**PROPOSED TYPICAL SECTION**  
**IL 72 (HIGGINS ROAD)**  
 STA 8+40.00 TO STA 14+65.00



**EXISTING TYPICAL SECTION**  
**IL 72 (HIGGINS ROAD)**  
 STA 16+38.35 TO STA 22+98.17



**PROPOSED TYPICAL SECTION**  
**IL 72 (HIGGINS ROAD)**  
 STA 16+38.35 TO STA 22+98.17

**EXISTING LEGEND**

- (A) EXISTING HOT-MIX ASPHALT COURSE, THICKNESS VARIES
- (B) EXISTING HOT-MIX ASPHALT BASE COURSES, THICKNESS VARIES
- (C) EXISTING AGGREGATE BASE, THICKNESS VARIES
- (D) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- (E) EXISTING CONCRETE SIDEWALK
- (F) EXISTING RAISED MEDIAN
- (G) EXISTING FENCE
- (H) EXISTING BOX CULVERT, 4' H x 6' W
- (I) EXISTING RETAINING WALL

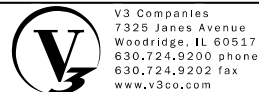
**PROPOSED LEGEND**

- [1] HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50 -3"
- [2] AGGREGATE BASE COURSE, TYPE B, - 8"
- [3] SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 6" FERTILIZER NUTRIENT (NITROGEN, PHOSPHORUS, POTASSIUM)
- [4] PEDESTRIAN RAIL (SPECIAL)
- [5] PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH, SPECIAL

**NOTES**

1. REFERENCE CROSS SECTIONS FOR MULTI-USE PATH CROSS SLOPES AND VARYING PARKWAY SLOPES.
2. STATIONING SHOWN IS PATH CENTERLINE.

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USER NAME = bpendry  
 DESIGNED - BNP  
 DRAWN - DRP  
 CHECKED - MJR  
 PLOT DATE = 4/30/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

DATE - 4/10/2020

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

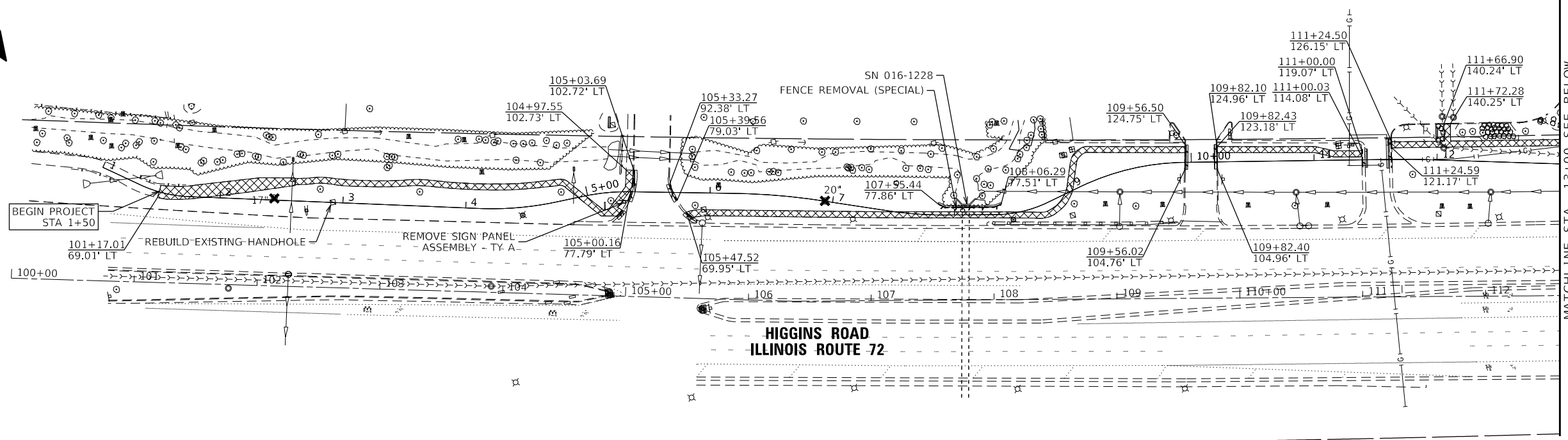
TYPICAL SECTIONS

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

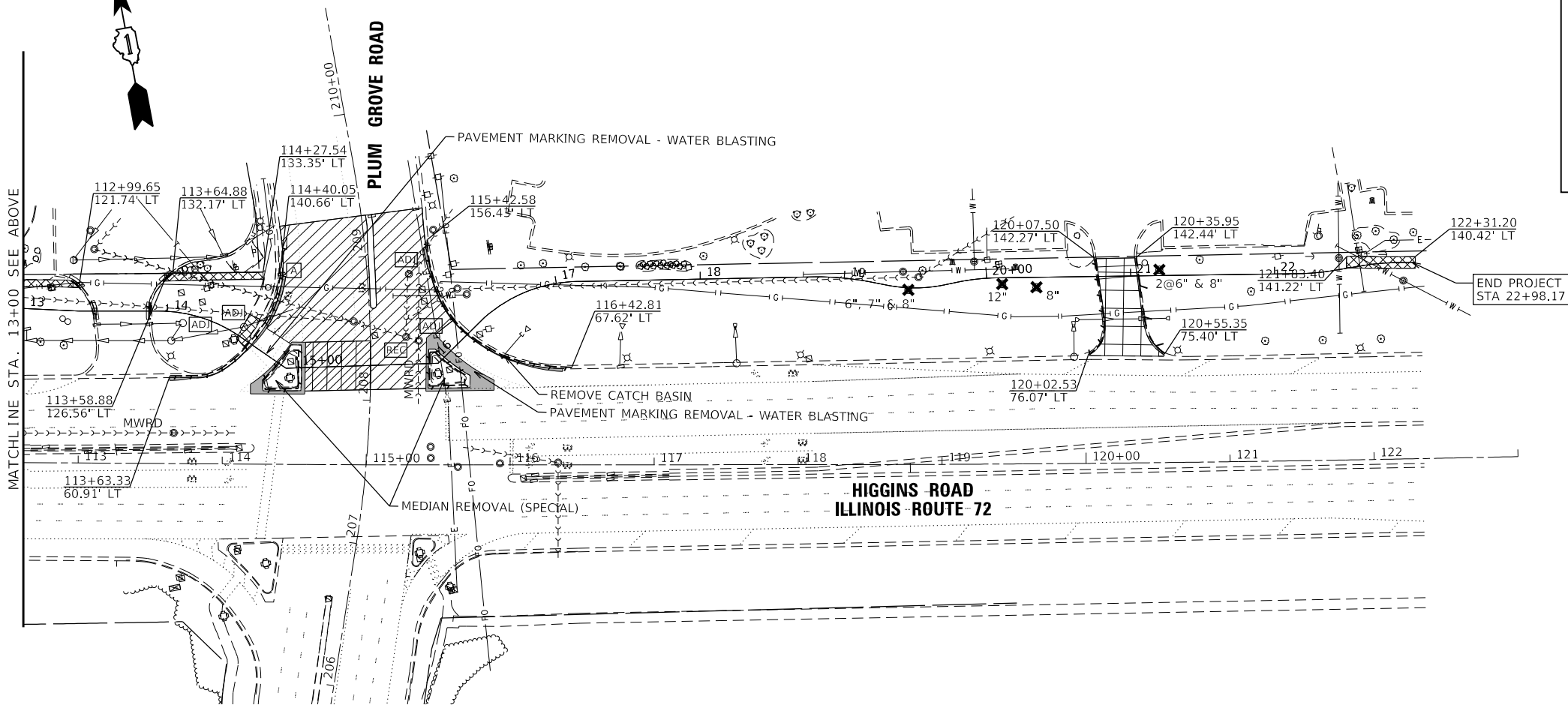
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	14
CONTRACT NO. 61G41				
				IU2G(914)

ILLINOIS FED. AID PROJECT





MATCHLINE STA. 13+00 SEE BELOW



MATCHLINE STA. 13+00 SEE ABOVE

REMOVALS LEGEND			
	DRIVEWAY PAVEMENT REMOVAL		HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"		LINEAR ITEM REMOVAL
	SIDEWALK REMOVAL		TREE REMOVAL
	PAVEMENT REMOVAL		

- NOTE:
- SEE LIGHTING PLANS FOR ADDITIONAL REMOVAL ITEMS.
  - SEE TRAFFIC SIGNAL PLANS FOR ADDITIONAL REMOVAL ITEMS.
  - IN AREAS WITH CURB AND GUTTER REMOVAL ALONG THE ROADWAY OR MEDIANS, SAWCUT EXISTING PAVEMENT 6" FROM EXISTING EDGE OF PAVEMENT OR 2' FROM PROPOSED EDGE OF PAVEMENT, WHICHEVER IS GREATER.
  - SAWCUT PAVEMENT 2' FROM EXISTING EDGE IN AREAS OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ALONG DRIVEWAYS.



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V3 Companies  
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
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USER NAME = bpendry	DESIGNED - BNP	REVISED -
PLOT SCALE = 100'	DRAWN - DRP	REVISED -
PLOT DATE = 4/30/2020	CHECKED - MJR	REVISED -
	DATE - 4/10/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

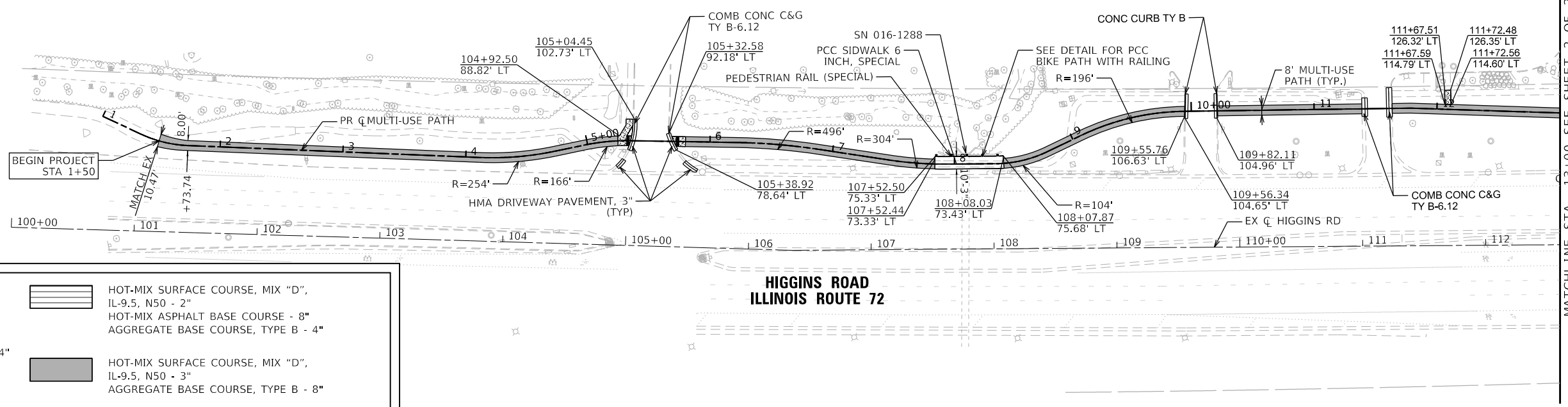
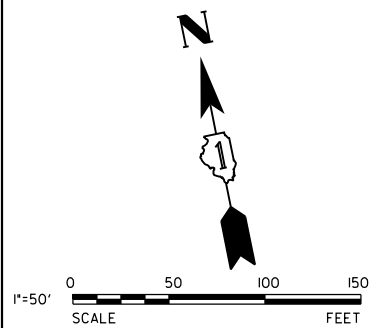
**REMOVAL PLAN**

SCALE: 1"=50'    SHEET 1 OF 1 SHEETS    STA. 1+00.00    TO STA. 23+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	16
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT				IUG(914)

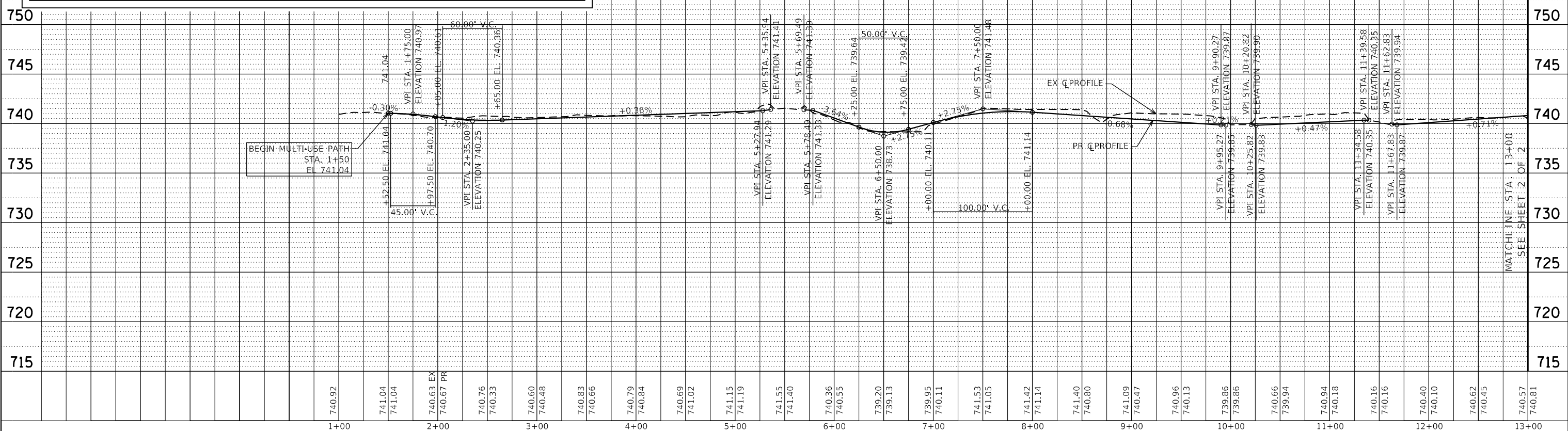


NOTE:  
1. SEE ADA AND INTERSECTION DETAIL SHEETS FOR ISLAND AND OTHER INTERSECTION INFORMATION.



**PAVING LEGEND**

- HOT-MIX SURFACE COURSE, MIX "D", IL-9.5, N50 - 2"
- HOT-MIX ASPHALT BASE COURSE - 8" AGGREGATE BASE COURSE, TYPE B - 4"
- HOT-MIX SURFACE COURSE, MIX "D", IL-9.5, N50 - 3"
- HOT-MIX ASPHALT BASE COURSE, TYPE B - 8"
- DETECTABLE WARNING TILES
- HMA SURFACE REMOVAL - BUTT JOINT
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 - 1 1/2"
- POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 - 3/4"



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USER NAME = bpendry	DESIGNED - BNP	REVISED -
PLOT SCALE = 100'	DRAWN - DRP	REVISED -
PLOT DATE = 4/30/2020	CHECKED - MJR	REVISED -
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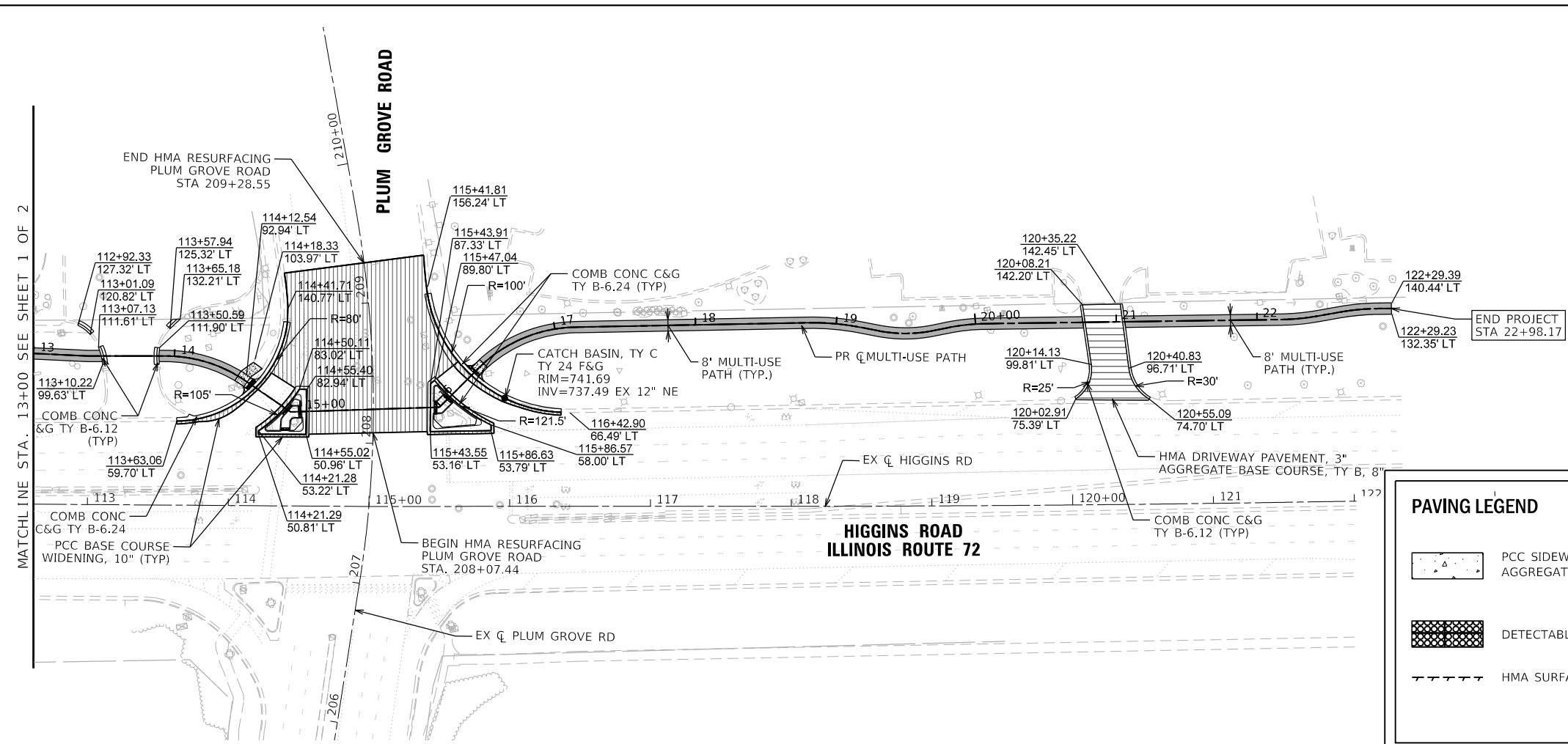
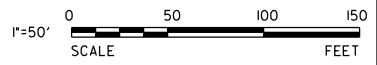
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MULTI-USE PATH PLAN AND PROFILE**

SCALE: 1"=50'    SHEET 1 OF 2 SHEETS    STA. 1+00.00 TO STA. 13+00.00

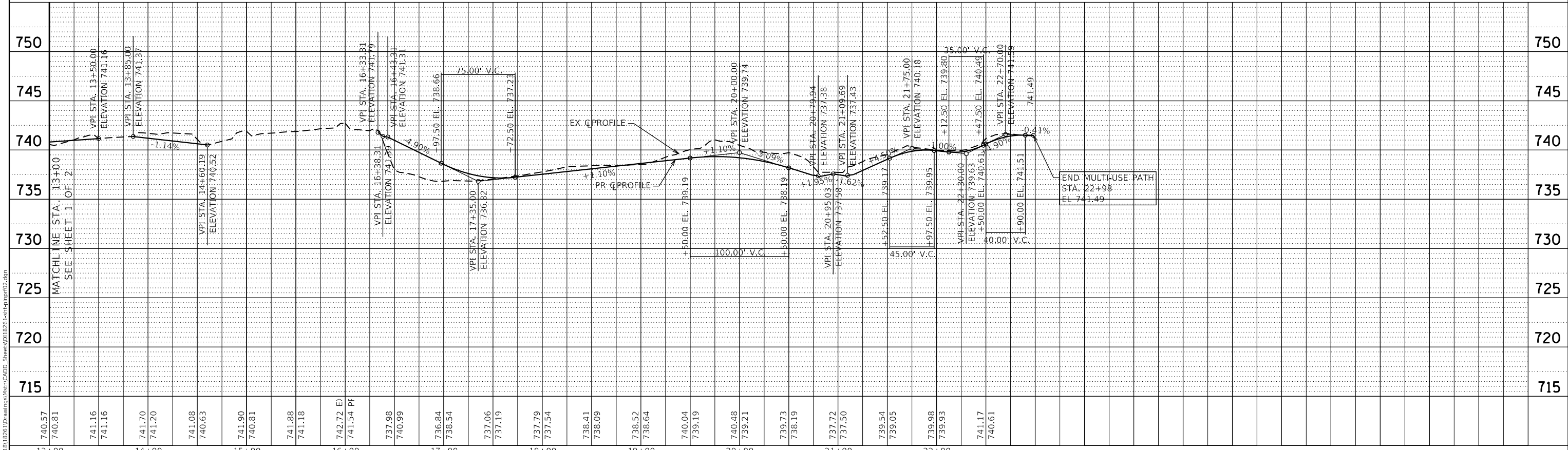
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CONTRACT NO. 61G41			ILLINOIS FED. AID PROJECT IU2G(914)	

MATCHLINE STA. 13+00 SEE SHEET 2 OF 2



NOTE:  
1. SEE ADA AND INTERSECTION DETAIL SHEETS FOR ISLAND AND OTHER INTERSECTION INFORMATION.

PAVING LEGEND	
	HOT-MIX SURFACE COURSE, MIX "D", IL-9.5, N50 - 2"
	HOT-MIX ASPHALT BASE COURSE - 8" AGGREGATE BASE COURSE, TYPE B - 4"
	HOT-MIX SURFACE COURSE, MIX "D", IL-9.5, N50 - 3" AGGREGATE BASE COURSE, TYPE B - 8"
	DETECTABLE WARNING TILES
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 - 1 1/2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 - 3/4"
	PCC SIDEWALK, 5" AGGREGATE BASE COURSE, TYPE B - 4"
	HMA SURFACE REMOVAL - BUTT JOINT



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USER NAME = bpendry  
DESIGNED - BNP  
DRAWN - DRP  
CHECKED - MJR  
DATE - 4/10/2020

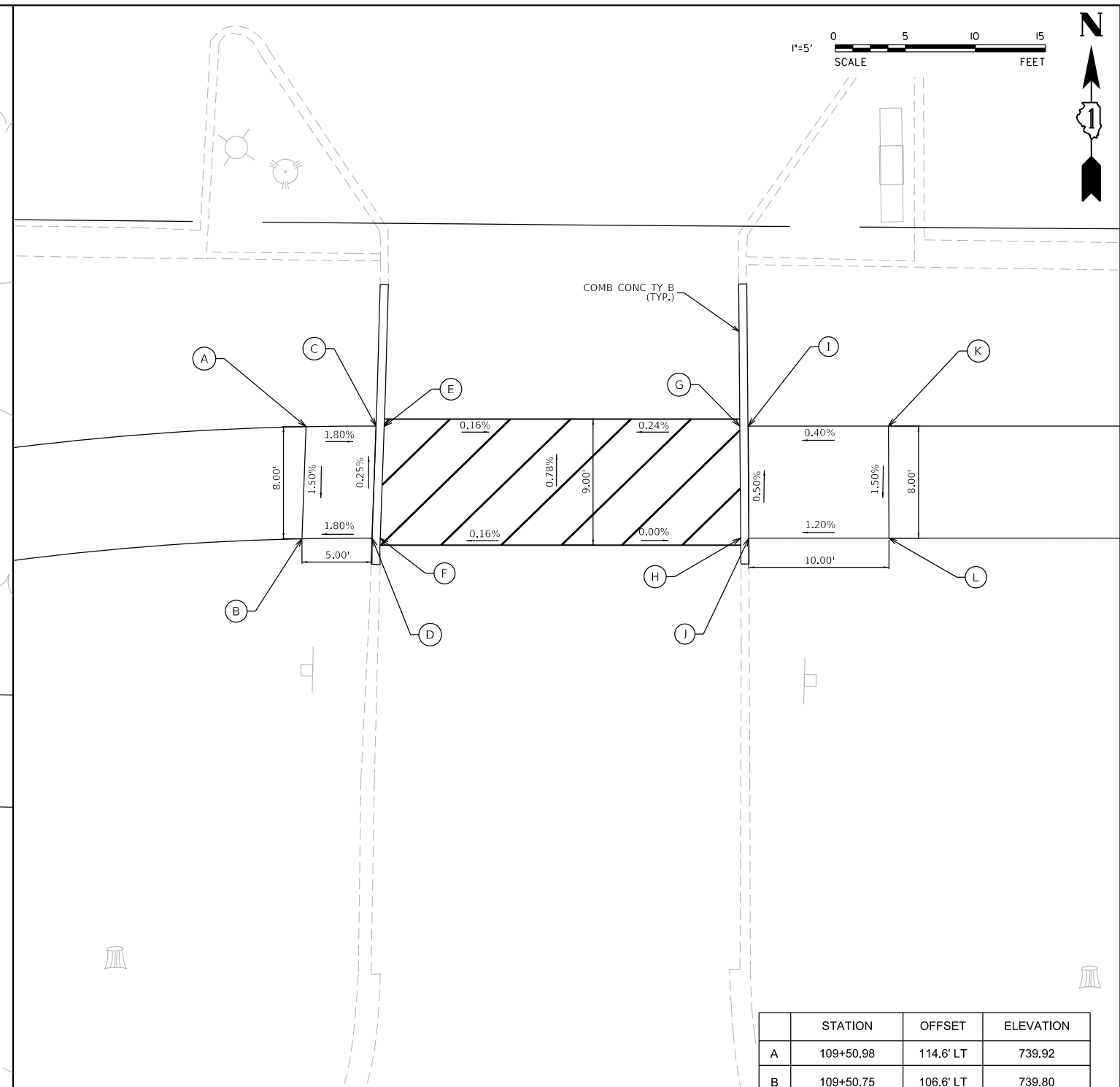
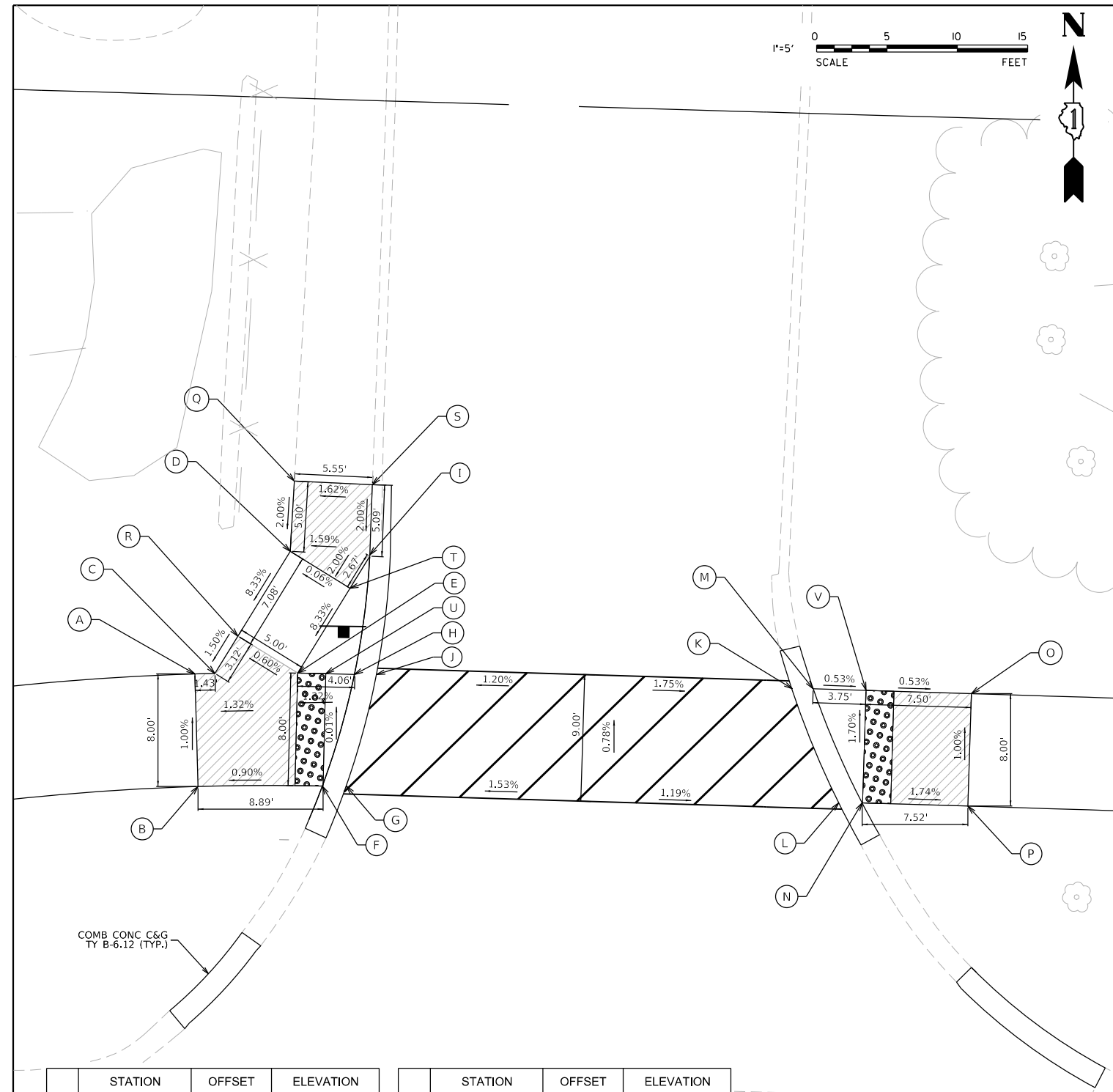
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REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MULTI-USE PATH PLAN AND PROFILE

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 13+00.00 TO STA. 23+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	18
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT			IU2G(914)	



	STATION	OFFSET	ELEVATION
A	104+91.07	88.7' LT	741.24
B	104+91.65	80.7' LT	741.32
C	104+92.50	88.8' LT	741.26
D	104+97.47	97.7' LT	741.90
E	104+98.38	89.1' LT	741.34
F	105+00.53	81.1' LT	741.40
G	105+02.16	81.2' LT	741.41 ME
H	105+02.41	89.2' LT	741.39
I	105+03.13	97.6' LT	741.99
J	105+03.99	89.2' LT	741.40 ME
K	105+33.48	89.6' LT	741.31 ME

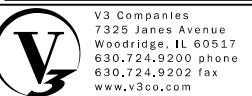
	STATION	OFFSET	ELEVATION
L	105+37.21	81.6' LT	741.46 ME
M	105+34.99	89.6' LT	741.30
N	105+38.87	81.6' LT	741.45
O	105+46.30	89.7' LT	741.24
P	105+46.40	81.7' LT	741.32
Q	104+97.55	102.7' LT	742.00 ME
R	104+94.02	91.6' LT	741.31
S	105+03.10	102.7' LT	742.09 ME
T	105+01.83	95.3' LT	741.93
U	105+00.38	89.2' LT	741.36
V	105+38.80	89.6' LT	741.28

**LEGEND**

LEVEL LANDING AREA

DETECTABLE WARNING TILE

NOTE:  
STATIONS AND OFFSETS ARE BASED OFF THE HIGGINS ROAD CENTERLINE ALIGNMENT.



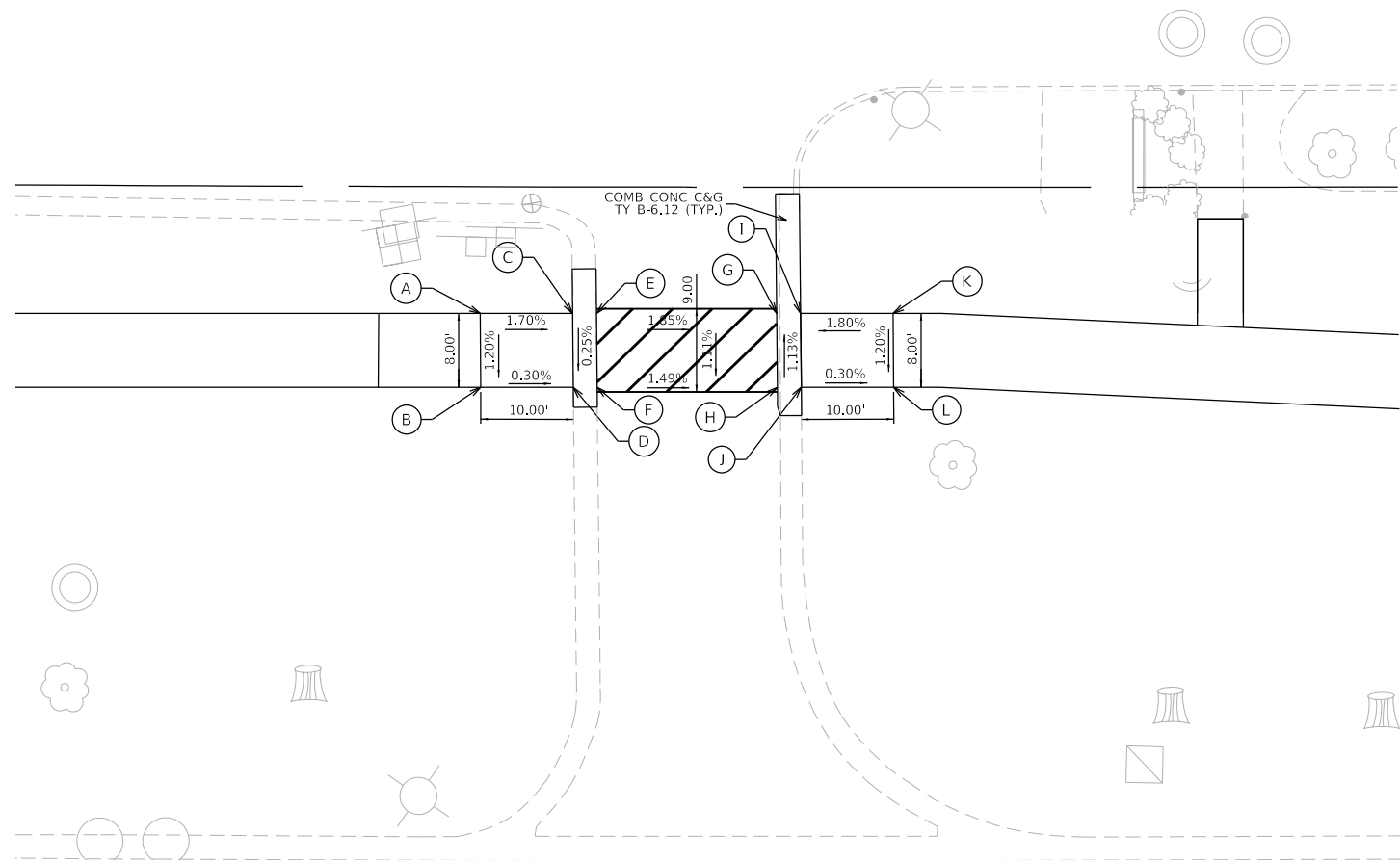
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PLOT DATE = 4/30/2020	CHECKED - MJR	REVISED -
	DATE - 4/10/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=5'	SHEET 1 OF 5 SHEETS	STA.	TO STA.
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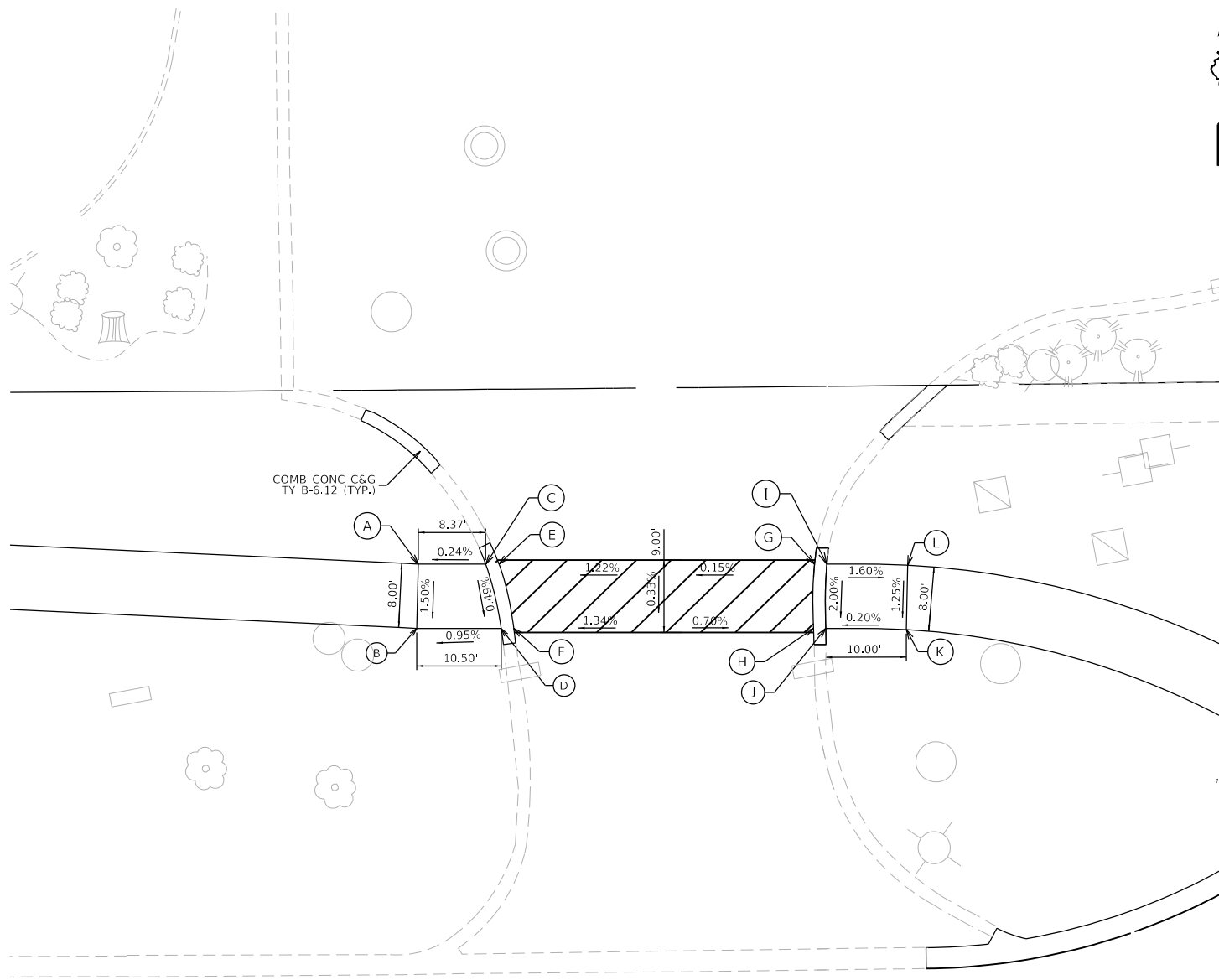
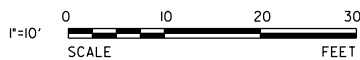
	STATION	OFFSET	ELEVATION
A	109+50.98	114.6' LT	739.92
B	109+50.75	106.6' LT	739.80
C	109+55.99	114.6' LT	739.87
D	109+55.76	106.6' LT	739.89
E	109+56.57	114.6' LT	739.87 ME
F	109+56.34	106.6' LT	739.89 ME
G	109+81.99	114.8' LT	739.99 ME
H	109+82.08	106.8' LT	739.92 ME
I	109+82.57	114.8' LT	739.88
J	109+82.66	106.8' LT	739.92
K	109+92.59	114.9' LT	739.92
L	109+92.68	106.9' LT	739.80

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	19
CONTRACT NO. 61G41				
				ILLINOIS FED. AID PROJECT IU2G(914)



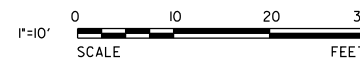
	STATION	OFFSET	ELEVATION
A	110+90.02	115.6' LT	740.38
B	110+90.15	107.6' LT	740.26
C	111+00.02	115.6' LT	740.21
D	111+00.15	107.6' LT	740.23
E	111+02.60	115.6' LT	740.27 ME
F	111+02.71	107.6' LT	740.29 ME
G	111+22.08	115.8' LT	739.85 ME
H	111+22.21	107.8' LT	739.94 ME
I	111+24.66	115.8' LT	739.79
J	111+24.80	107.8' LT	739.88
K	111+34.67	115.9' LT	739.97
L	111+34.80	107.9' LT	739.85

111



	STATION	OFFSET	ELEVATION
A	112+99.58	109.6' LT	741.14
B	112+99.45	101.6' LT	741.02
C	113+07.94	109.6' LT	741.16
D	113+09.94	101.6' LT	741.12
E	113+09.60	109.6' LT	741.17 ME
F	113+11.50	101.6' LT	741.13 ME
G	113+48.83	109.9' LT	741.43 ME
H	113+48.75	101.9' LT	741.27 ME
I	113+50.36	109.9' LT	741.43
J	113+50.27	101.9' LT	741.15
K	113+60.28	101.8' LT	741.17
L	113+60.40	109.8' LT	741.27

113



MODEL: Default  
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630.724.9202 fax  
www.v3co.com

USER NAME = cfigus	DESIGNED - BNP	REVISED -
PLOT SCALE = 20'	DRAWN - DRP	REVISED -
PLOT DATE = 4/30/2020	CHECKED - MJR	REVISED -
	DATE - 4/10/2020	REVISED -

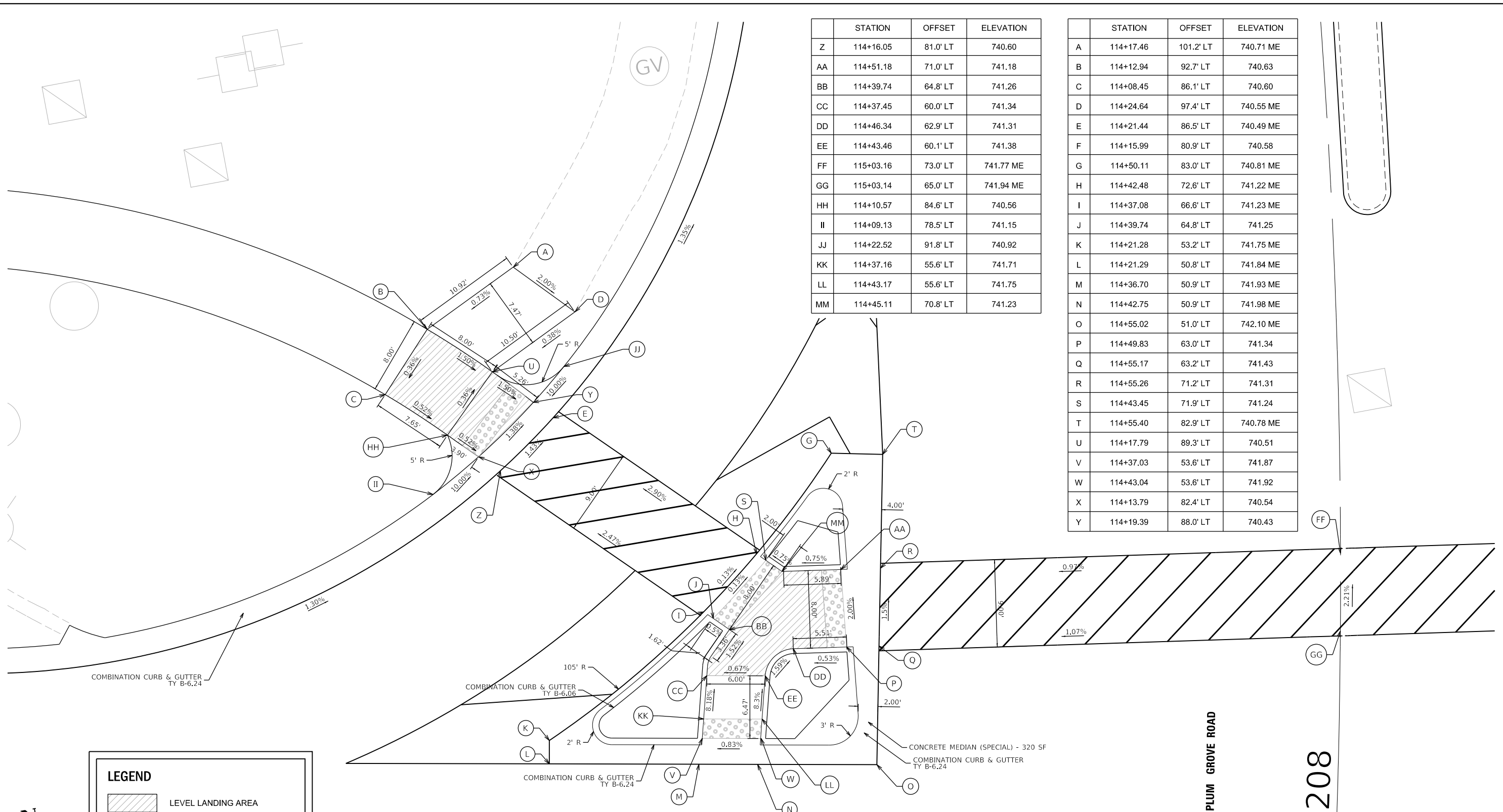
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA DETAILS**

SCALE: 1"=10' SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	20
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT				IUG(914)

MODEL: Default  
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	STATION	OFFSET	ELEVATION
Z	114+16.05	81.0' LT	740.60
AA	114+51.18	71.0' LT	741.18
BB	114+39.74	64.8' LT	741.26
CC	114+37.45	60.0' LT	741.34
DD	114+46.34	62.9' LT	741.31
EE	114+43.46	60.1' LT	741.38
FF	115+03.16	73.0' LT	741.77 ME
GG	115+03.14	65.0' LT	741.94 ME
HH	114+10.57	84.6' LT	740.56
II	114+09.13	78.5' LT	741.15
JJ	114+22.52	91.8' LT	740.92
KK	114+37.16	55.6' LT	741.71
LL	114+43.17	55.6' LT	741.75
MM	114+45.11	70.8' LT	741.23

	STATION	OFFSET	ELEVATION
A	114+17.46	101.2' LT	740.71 ME
B	114+12.94	92.7' LT	740.63
C	114+08.45	86.1' LT	740.60
D	114+24.64	97.4' LT	740.55 ME
E	114+21.44	86.5' LT	740.49 ME
F	114+15.99	80.9' LT	740.58
G	114+50.11	83.0' LT	740.81 ME
H	114+42.48	72.6' LT	741.22 ME
I	114+37.08	66.6' LT	741.23 ME
J	114+39.74	64.8' LT	741.25
K	114+21.28	53.2' LT	741.75 ME
L	114+21.29	50.8' LT	741.84 ME
M	114+36.70	50.9' LT	741.93 ME
N	114+42.75	50.9' LT	741.98 ME
O	114+55.02	51.0' LT	742.10 ME
P	114+49.83	63.0' LT	741.34
Q	114+55.17	63.2' LT	741.43
R	114+55.26	71.2' LT	741.31
S	114+43.45	71.9' LT	741.24
T	114+55.40	82.9' LT	740.78 ME
U	114+17.79	89.3' LT	740.51
V	114+37.03	53.6' LT	741.87
W	114+43.04	53.6' LT	741.92
X	114+13.79	82.4' LT	740.54
Y	114+19.39	88.0' LT	740.43

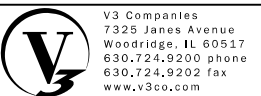
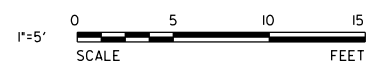
**LEGEND**

LEVEL LANDING AREA

DETECTABLE WARNING TILE

NOTE:  
 STATIONS AND OFFSETS ARE BASED OFF THE HIGGINS ROAD CENTERLINE ALIGNMENT.

SEE IDOT HIGHWAY STANDARD 606301 FOR ADDITIONAL INFORMATION.



USER NAME = cfigus	DESIGNED - BNP	REVISED -
PLOT SCALE = 10'	DRAWN - DRP	REVISED -
PLOT DATE = 4/30/2020	CHECKED - MJR	REVISED -
	DATE - 4/10/2020	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ADA AND ISLAND DETAILS**

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

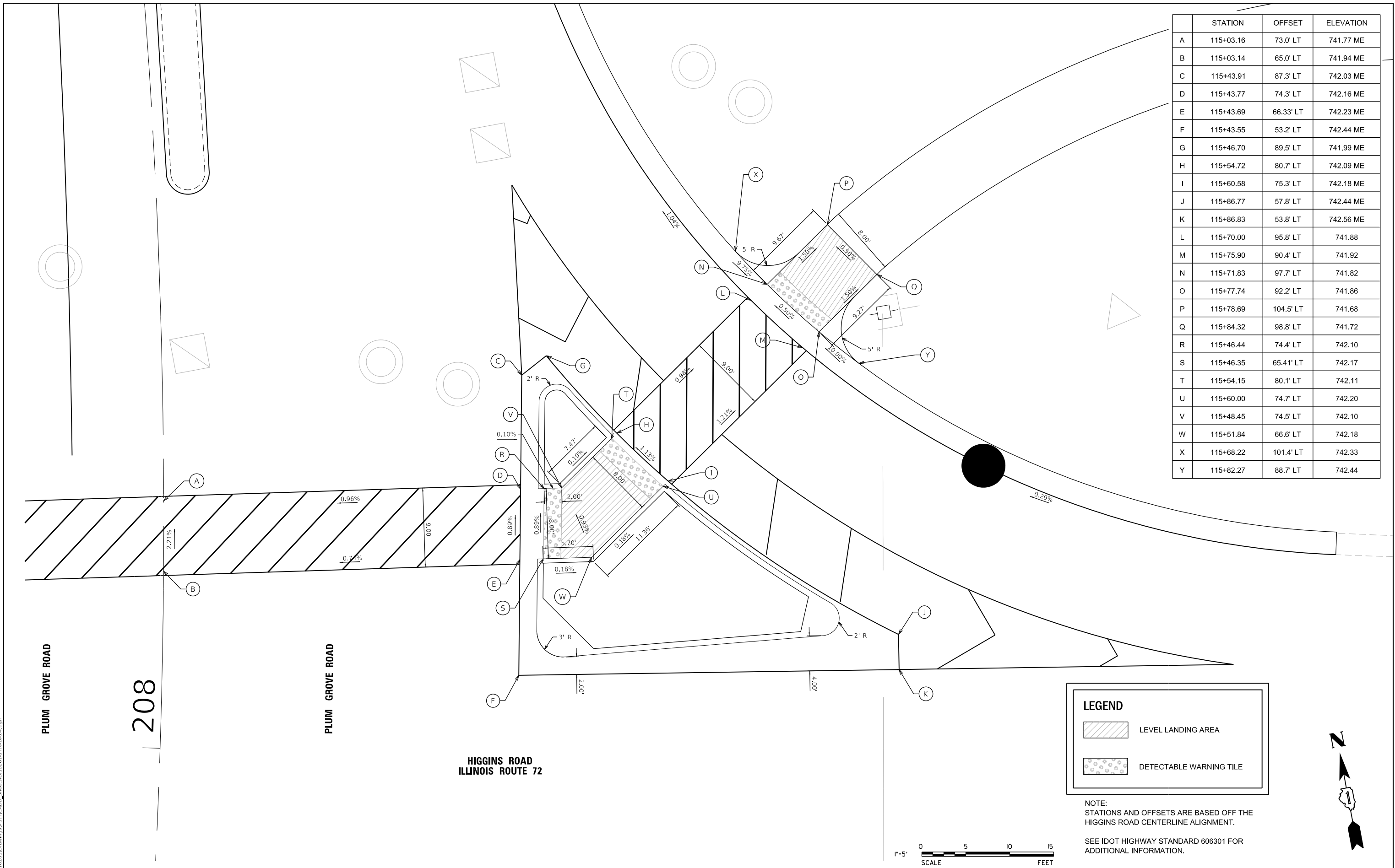
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	21
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT IU2G(914)				

PLUM GROVE ROAD

208

HIGGINS ROAD  
 ILLINOIS ROUTE 72

	STATION	OFFSET	ELEVATION
A	115+03.16	73.0' LT	741.77 ME
B	115+03.14	65.0' LT	741.94 ME
C	115+43.91	87.3' LT	742.03 ME
D	115+43.77	74.3' LT	742.16 ME
E	115+43.69	66.33' LT	742.23 ME
F	115+43.55	53.2' LT	742.44 ME
G	115+46.70	89.5' LT	741.99 ME
H	115+54.72	80.7' LT	742.09 ME
I	115+60.58	75.3' LT	742.18 ME
J	115+86.77	57.8' LT	742.44 ME
K	115+86.83	53.8' LT	742.56 ME
L	115+70.00	95.8' LT	741.88
M	115+75.90	90.4' LT	741.92
N	115+71.83	97.7' LT	741.82
O	115+77.74	92.2' LT	741.86
P	115+78.69	104.5' LT	741.68
Q	115+84.32	98.8' LT	741.72
R	115+46.44	74.4' LT	742.10
S	115+46.35	65.41' LT	742.17
T	115+54.15	80.1' LT	742.11
U	115+60.00	74.7' LT	742.20
V	115+48.45	74.5' LT	742.10
W	115+51.84	66.6' LT	742.18
X	115+68.22	101.4' LT	742.33
Y	115+82.27	88.7' LT	742.44



**LEGEND**

LEVEL LANDING AREA

DETECTABLE WARNING TILE

NOTE:  
STATIONS AND OFFSETS ARE BASED OFF THE HIGGINS ROAD CENTERLINE ALIGNMENT.  
SEE IDOT HIGHWAY STANDARD 606301 FOR ADDITIONAL INFORMATION.



MODEL: Default  
FILE NAME: N:\2018\18261\Drawings\Main\CADD\_Sheets\0118261-ent-ADA04.dgn

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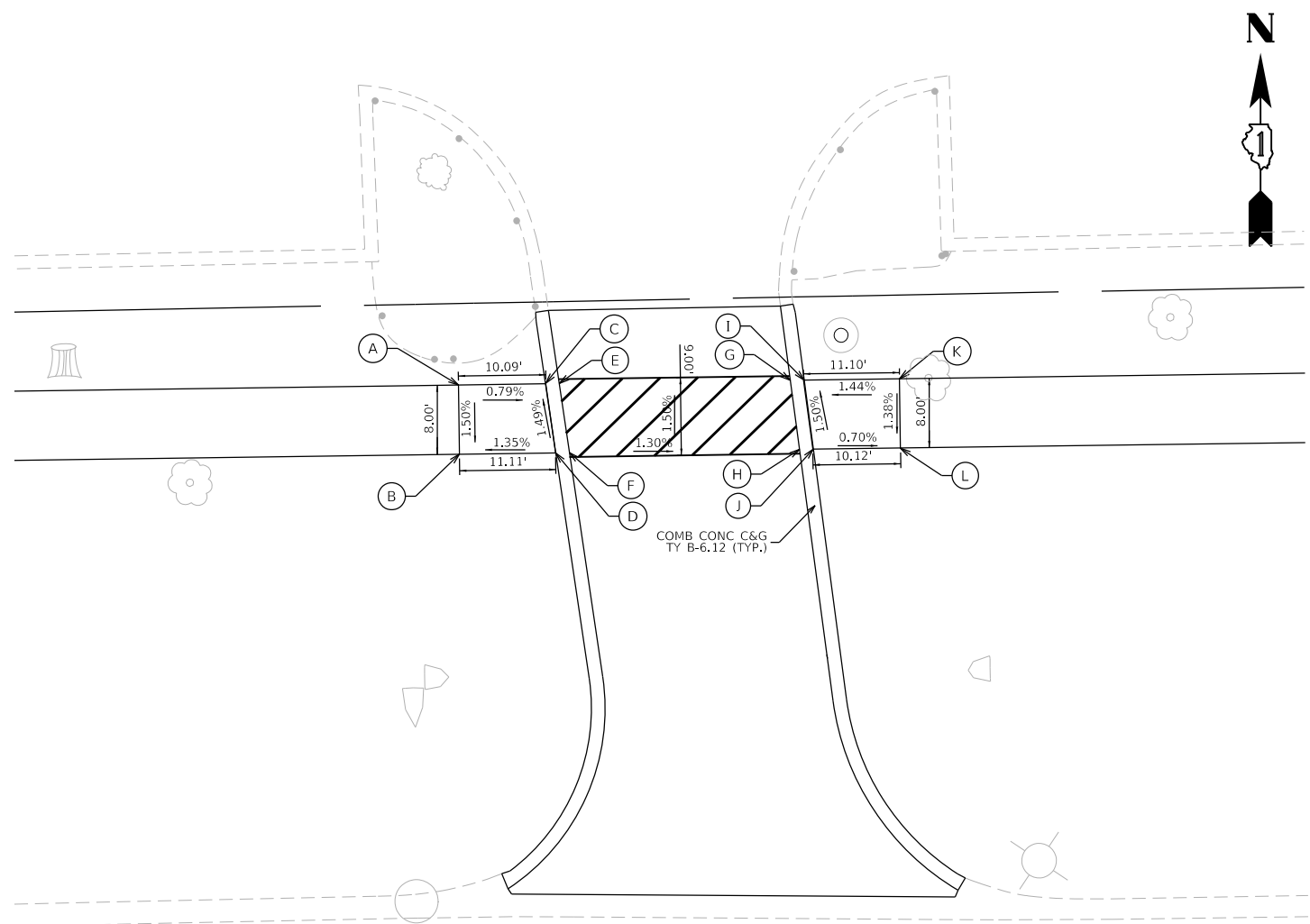
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	DATE - 4/10/2020	REVISED -

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DEPARTMENT OF TRANSPORTATION**

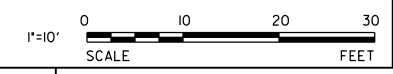
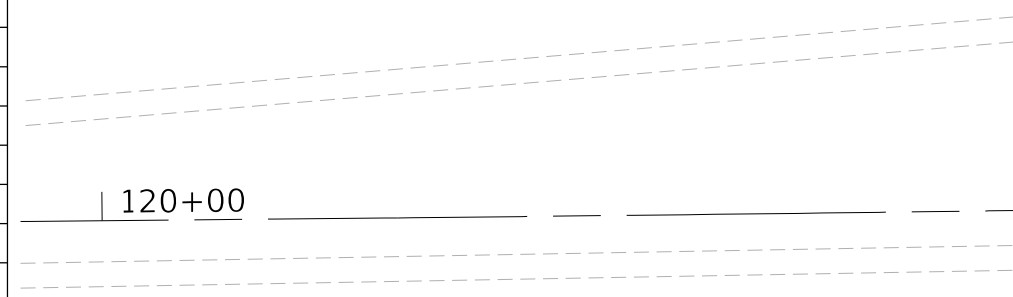
**ADA AND ISLAND DETAILS**

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

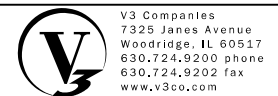
F.A.P. RTE. 341	SECTION 15-00122-00-BT	COUNTY COOK	TOTAL SHEETS 73	SHEET NO. 22
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G41	
			IU2G(914)	



	STATION	OFFSET	ELEVATION
A	119+97.69	133.7' LT	737.83
B	119+97.73	125.7' LT	737.71
C	120+07.84	133.7' LT	737.74
D	120+08.90	125.7' LT	737.86
E	120+09.40	133.7' LT	737.75
F	120+10.51	125.7' LT	737.87
G	120+36.28	133.8' LT	737.40
H	120+37.26	125.8' LT	737.52
I	120+37.88	133.8' LT	737.39
J	120+38.86	125.8' LT	737.51
K	120+48.96	133.9' LT	737.55
L	120+48.99	125.9' LT	737.44



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USER NAME = cfigus	DESIGNED - BNP	REVISED -
PLOT SCALE = 20'	DRAWN - DRP	REVISED -
PLOT DATE = 4/30/2020	CHECKED - MJR	REVISED -
	DATE - 4/10/2020	REVISED -

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

**ADA DETAILS**  
 SCALE: 1"=10' SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	23
CONTRACT NO. 61G41				
ILLINOIS		FED. AID PROJECT		IU2G(914)

**MAINTENANCE OF TRAFFIC AND CONSTRUCTION GENERAL NOTES**

- EMERGENCY VEHICLE ACCESS SHALL BE MAINTAINED AT ALL TIMES. ANY CHANGE IN TRAFFIC CONTROL SHALL HAVE PRIOR APPROVAL BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 3 DAYS NOTICE PRIOR TO CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL SUBMIT A PREPLANNED SEQUENCE OF WORK PRIOR TO THE START OF WORK FOR REVIEW AND APPROVAL. NO WORK SHALL COMMENCE UNTIL THE PREPLANNED SEQUENCE OF WORK HAS BEEN APPROVED BY THE ENGINEER.
- THE COST OF ADDITIONAL DEPLOYMENTS, SETUPS, AND/OR MOBILIZATIONS NEEDED FOR STAGED CONSTRUCTION SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- AN ACCESSIBLE ROUTE SHALL BE PROVIDED IN PLACE OF EXISTING SIDEWALK THROUGHOUT THE PROJECT AREA WEST OF PLUM GROVE ROAD. TEMPORARY SIDEWALK SHALL BE A MINIMUM OF 4 FEET WIDE, ADA COMPLIANT, AND MEET THE REQUIREMENTS LISTED IN THE CONTRACT DOCUMENTS.

**MAINTENANCE OF TRAFFIC SEQUENCE OF CONSTRUCTION**

STAGE 1

CONSTRUCTION

- ESTABLISH EROSION CONTROL MEASURES AND TREE PROTECTION.
- COMPLETE TREE REMOVAL.
- INSTALL TEMPORARY TRAFFIC SIGNALS.
- COMPLETE HOT-MIX ASPHALT SURFACE REMOVAL.

TRAFFIC

- UTILIZE TRAFFIC CONTROL STANDARDS AND LANE CLOSURES AS APPROVED BY THE ENGINEER ACCORDING TO HIGHWAY STANDARDS 701101, 701106, 701601, 701606, 701701, 701801.

STAGE 2

CONSTRUCTION

- ESTABLISH STAGE 2 TRAFFIC CONTROL ITEMS.
- ADJUST STRUCTURES AS SHOWN ON THE PLANS.
- REMOVE CONCRETE CURB AND GUTTER AT PLUM GROVE ROAD.
- REMOVE EXISTING MEDIAN ISLANDS ON NORTH LEG OF PLUM GROVE ROAD.
- RELOCATE LIGHTING UNIT.
- COMPLETE ELECTRICAL WORK AND INSTALL TRAFFIC SIGNAL EQUIPMENT.
- INSTALL DETECTOR LOOPS.
- RECONSTRUCT HANDHOLE AT STATION 102+60 LT.
- CONSTRUCT PROPOSED MEDIAN ISLANDS, PORTLAND CEMENT CONCRETE BASE COURSE WIDENING, SIDEWALK RAMPS, MULTI-USE PATH, AND CURB AND GUTTER AS SHOWN ON THE PLANS.
- REMOVE EXISTING CATCH BASIN AT STATION 115+96.
- INSTALL CATCH BASIN.
- REMOVE EXISTING FENCE NEAR BOX CULVERT.
- CONSTRUCT TEMPORARY SIDEWALK NEAR THE EXISTING BOX CULVERT AND STATION 110+60 LT.
- INSTALL NORTH HALF OF SIDEWALK SPECIAL AND PEDESTRIAN RAIL NEAR THE EXISTING BOX CULVERT.

TRAFFIC

- MAINTAIN TWO-LANE TWO-WAY TRAFFIC THROUGHOUT THE PROJECT AS SHOWN ON THE PLANS.
- CONSTRUCTION OF DRIVEWAY AT STATION 102+22 LT SHALL BE STAGED SO THAT TRAFFIC IS MAINTAINED.
- PEDESTRIAN AND BICYCLE TRAFFIC SHALL BE MAINTAINED USING TEMPORARY SIDEWALK DURING THE CONSTRUCTION OF THE NORTHERN HALF OF THE SIDEWALK SPECIAL OVER THE BOX CULVERT.
- TEMPORARY PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED AT LOCATIONS APPROVED BY THE ENGINEER TO MAINTAIN THE PEDESTRIAN ACCESS ON THE WEST LEG OF HIGGINS ROAD AT PLUM GROVE ROAD DURING THE INSTALLATION OF TRAFFIC SIGNAL EQUIPMENT.
- UTILIZE TRAFFIC CONTROL STANDARDS AND LANE CLOSURES AS APPROVED BY THE ENGINEER ACCORDING TO HIGHWAY STANDARDS 701101, 701106, 701601, 701606, 701701, 701801.

STAGE 3A

CONSTRUCTION

- ESTABLISH STAGE 3A TRAFFIC CONTROL ITEMS.
- CONSTRUCT MULTI-USE PATH AS SHOWN ON THE PLANS.
- CONSTRUCT TEMPORARY SIDEWALK.
- CONSTRUCT SOUTHERN HALF OF SIDEWALK SPECIAL AT THE BOX CULVERT.

TRAFFIC

- UTILIZE TRAFFIC CONTROL STANDARDS AND LANE CLOSURES AS APPROVED BY THE ENGINEER ACCORDING TO HIGHWAY STANDARDS 701101, 701106, 701601, 701606, 701701, 701801.
- PEDESTRIAN AND BICYCLE TRAFFIC SHALL BE MAINTAINED USING TEMPORARY SIDEWALK DURING THE CONSTRUCTION OF THE SOUTHERN HALF OF THE SIDEWALK SPECIAL OVER THE BOX CULVERT

**MAINTENANCE OF TRAFFIC SEQUENCE OF CONSTRUCTION (CONTINUED)**

STAGE 3B

CONSTRUCTION

- ESTABLISH STAGE 3B TRAFFIC CONTROL ITEMS.
- COMPLETE CONSTRUCTION OF REMAINING MULTI-USE PATH.
- COMPLETE LEVEL BINDER PAVEMENT.
- COMPLETE SURFACE COURSE PAVEMENT.

TRAFFIC

- UTILIZE TRAFFIC CONTROL STANDARDS AND LANE CLOSURES AS APPROVED BY THE ENGINEER ACCORDING TO HIGHWAY STANDARDS 701101, 701106, 701601, 701606, 701701, 701801.
- PEDESTRIAN AND BICYCLE TRAFFIC SHALL BE MAINTAINED USING TEMPORARY SIDEWALK DURING THE CONSTRUCTION OF THE REMAINING PATH NEAR THE BOX CULVERT.

STAGE 4

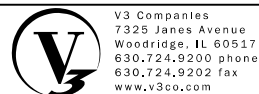
CONSTRUCTION

- REMOVE ALL TEMPORARY ITEMS.
- COMPLETE LANDSCAPING.
- COMPLETE FINAL STRIPING.

TRAFFIC

- UTILIZE TRAFFIC CONTROL STANDARDS AND LANE CLOSURES AS APPROVED BY THE ENGINEER ACCORDING TO HIGHWAY STANDARDS 701101, 701106, 701601, 701606, 701701, 701801.

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USER NAME = bpendry	DESIGNED - BNP	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 2"	CHECKED - MJR	REVISED -
PLOT DATE = 4/30/2020	DATE - 4/10/2020	REVISED -

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DEPARTMENT OF TRANSPORTATION**






**MAINTENANCE OF TRAFFIC GENERAL NOTES**

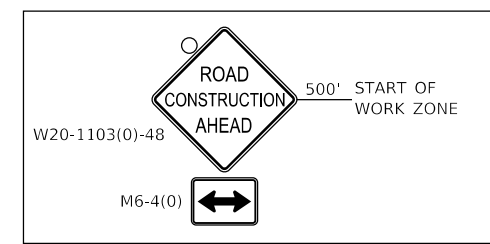
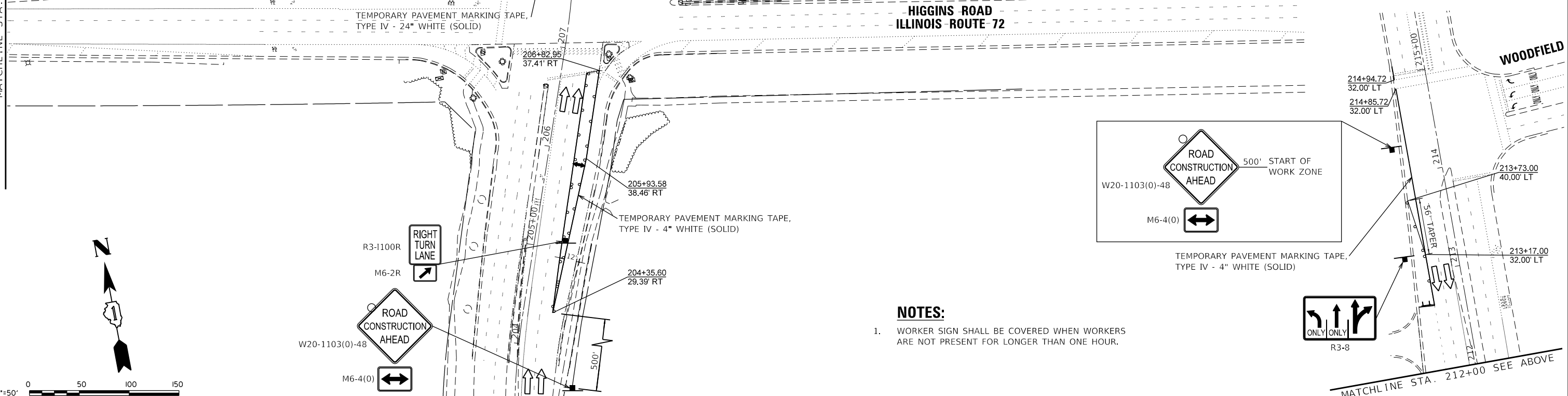
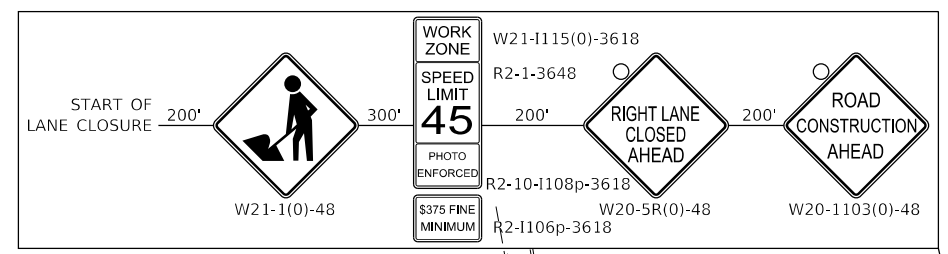
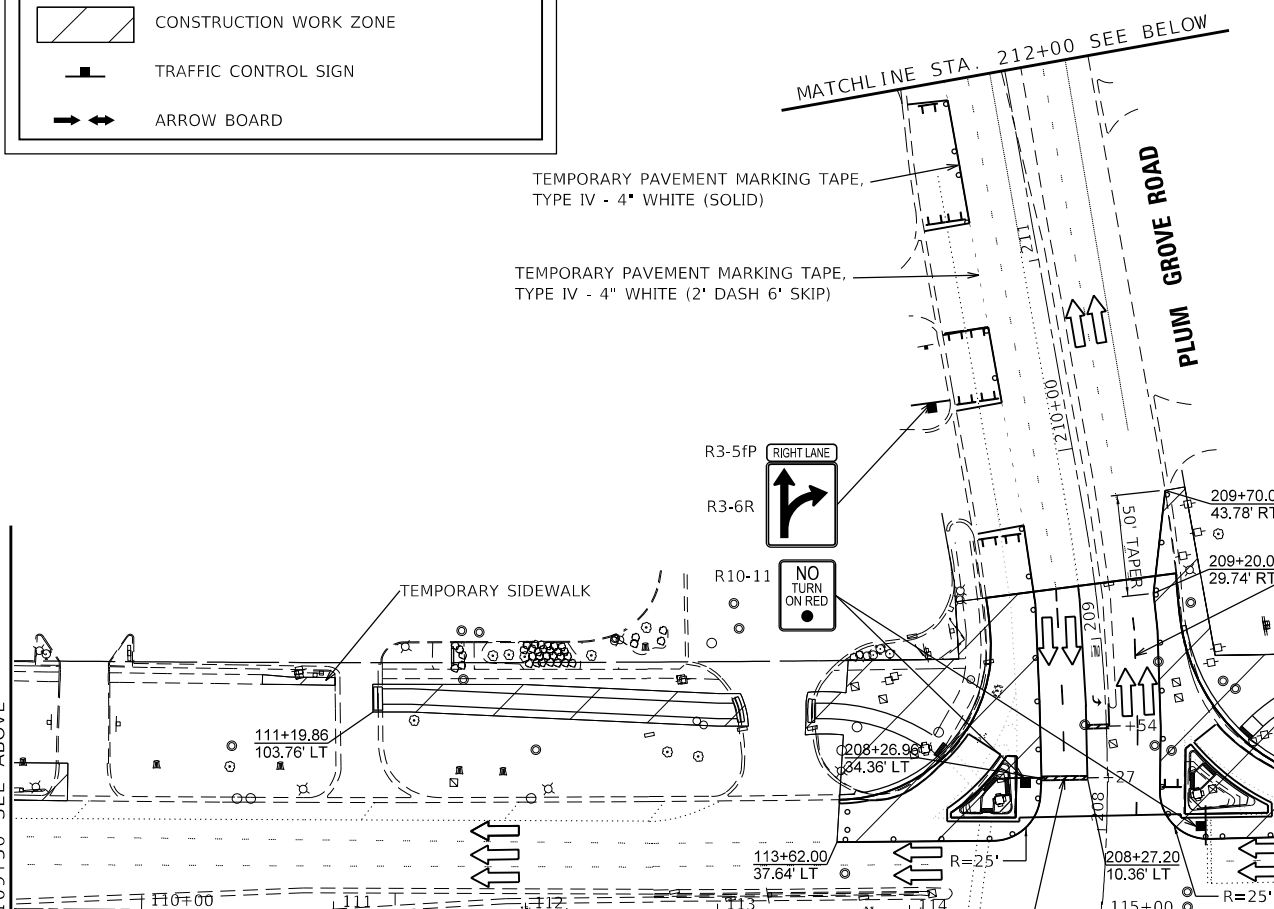
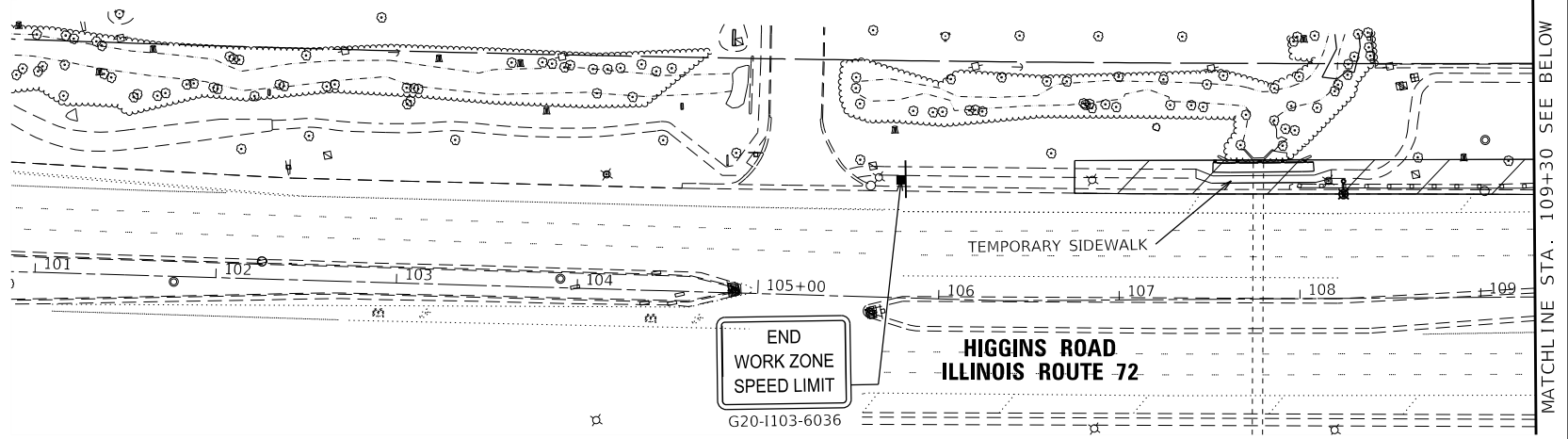
SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	24
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT			IU2G(914)	



**LEGEND**

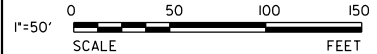
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-  TYPE II BARRICADES OR DRUMS
-  CONSTRUCTION WORK ZONE
-  TRAFFIC CONTROL SIGN
-  ARROW BOARD



**NOTES:**

1. WORKER SIGN SHALL BE COVERED WHEN WORKERS ARE NOT PRESENT FOR LONGER THAN ONE HOUR.

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USER NAME = bpendry	DESIGNED - BNP	REVISED -
PLOT SCALE = 100'	DRAWN - DRP	REVISED -
PLOT DATE = 4/30/2020	CHECKED - MJR	REVISED -
	DATE - 4/10/2020	REVISED -






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DEPARTMENT OF TRANSPORTATION**

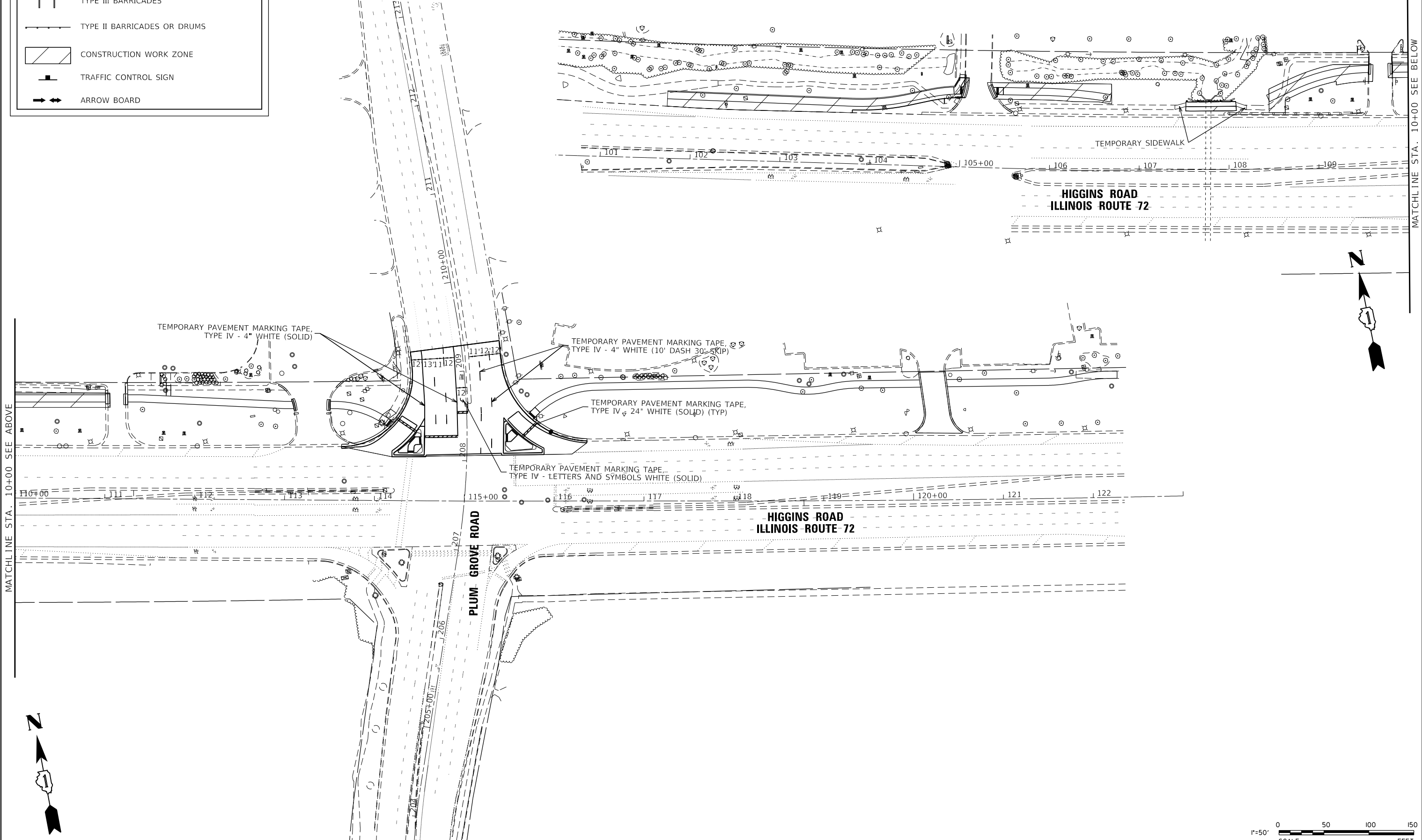
**MAINTENANCE OF TRAFFIC PLAN STAGE 2**

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 1+50.00 TO STA. 23+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	25
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G41	
			IU2G(914)	

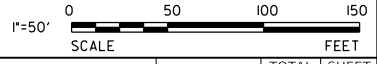
**LEGEND**

-  TYPE III BARRICADES
-  TYPE II BARRICADES OR DRUMS
-  CONSTRUCTION WORK ZONE
-  TRAFFIC CONTROL SIGN
-  ARROW BOARD



MATCHLINE STA. 10+00 SEE ABOVE

MATCHLINE STA. 10+00 SEE BELOW



MODEL: Default  
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USER NAME = bpendry	DESIGNED - BNP	REVISED -
PLOT SCALE = 100'	DRAWN - DRP	REVISED -
PLOT DATE = 4/30/2020	CHECKED - MJR	REVISED -
	DATE - 4/10/2020	REVISED -






**STATE OF ILLINOIS  
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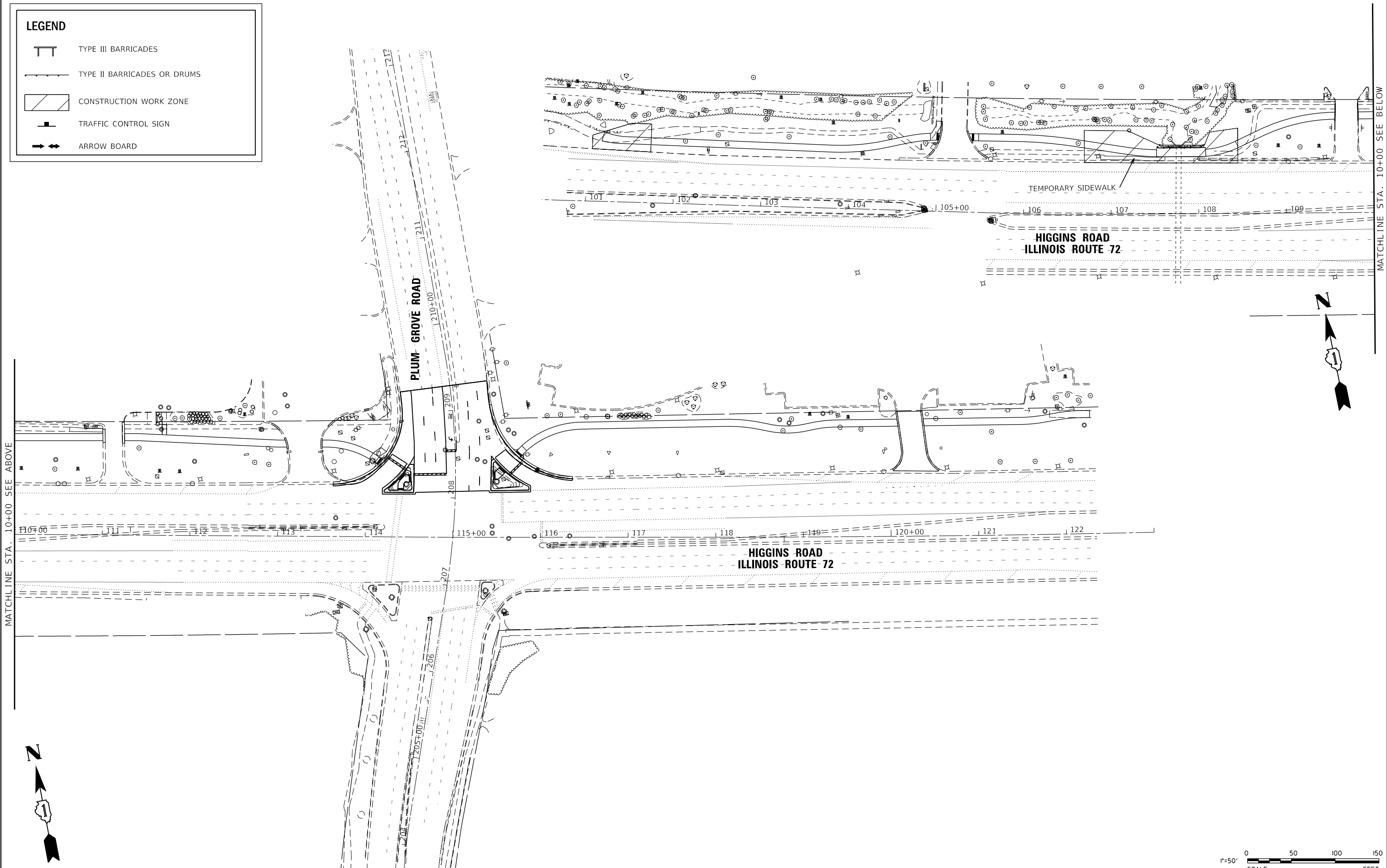
**MAINTENANCE OF TRAFFIC PLAN STAGE 3A**

SCALE: 1"=50'    SHEET 1 OF 1 SHEETS    STA. 1+50.00    TO STA. 23+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	26
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT				IU2G(914)

**LEGEND**

-  TYPE III BARRICADES
-  TYPE II BARRICADES OR DRUMS
-  CONSTRUCTION WORK ZONE
-  TRAFFIC CONTROL SIGN
-  ARROW BOARD



MATCHLINE STA. 10+00 SEE ABOVE

MATCHLINE STA. 10+00 SEE BELOW



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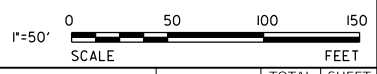
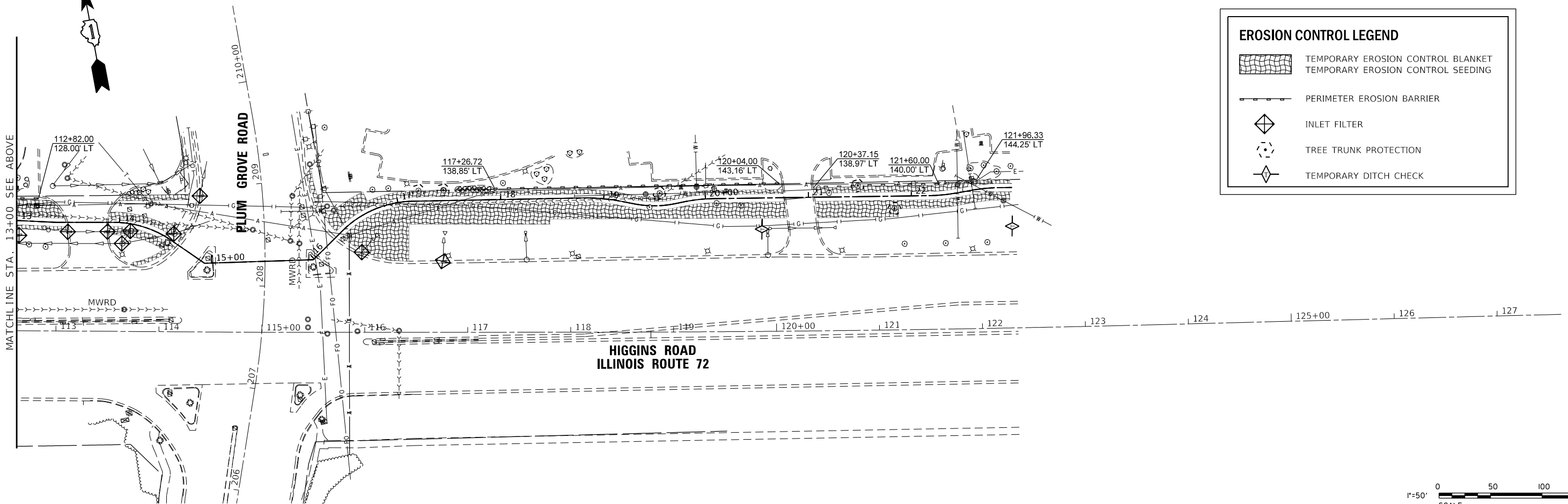
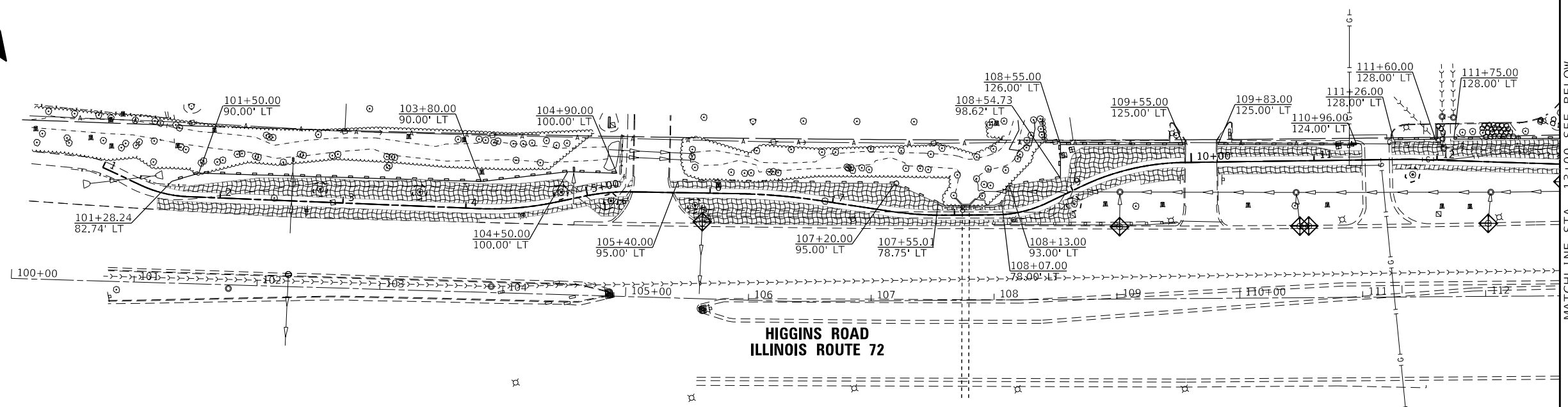
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PLOT DATE = 4/30/2020	CHECKED - MJR	REVISED -
	DATE - 4/10/2020	REVISED -

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**MAINTENANCE OF TRAFFIC PLAN STAGE 3B**

SCALE: 1"=50'    SHEET 1 OF 1 SHEETS    STA. 1+50.00    TO STA. 23+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	27
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT				IU2G(914)



MODEL: Default  
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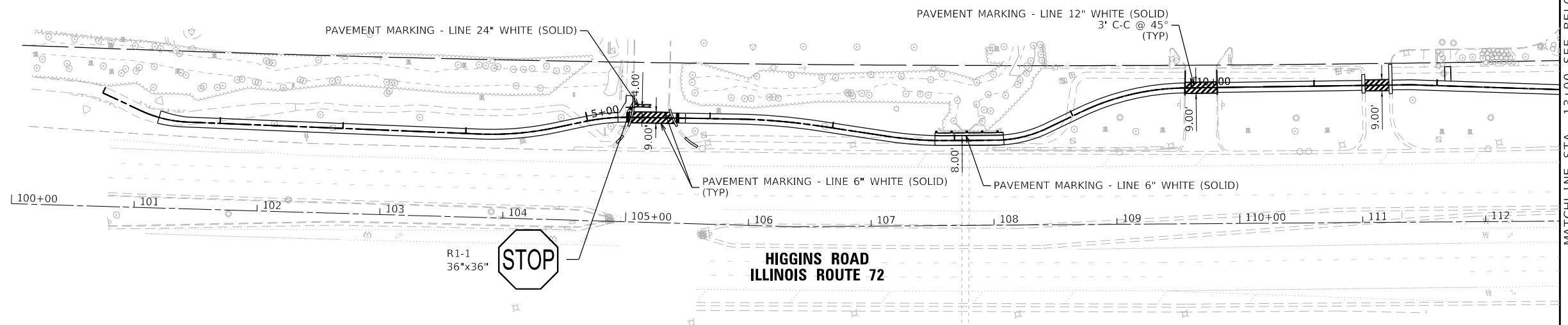
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	DATE - 4/10/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN**

SCALE: 1"=50'    SHEET 1 OF 1 SHEETS    STA. 1+00.00    TO STA. 23+00.00

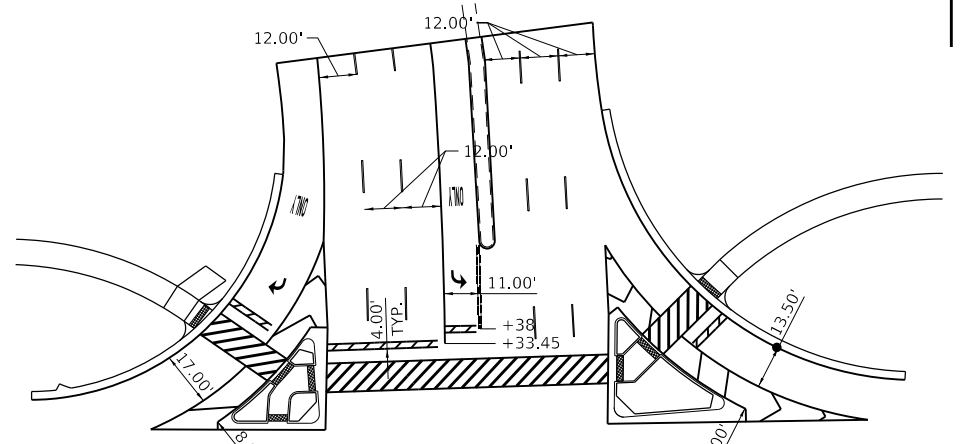
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341	15-00122-00-BT	COOK	73	28
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT			IU2G(914)	



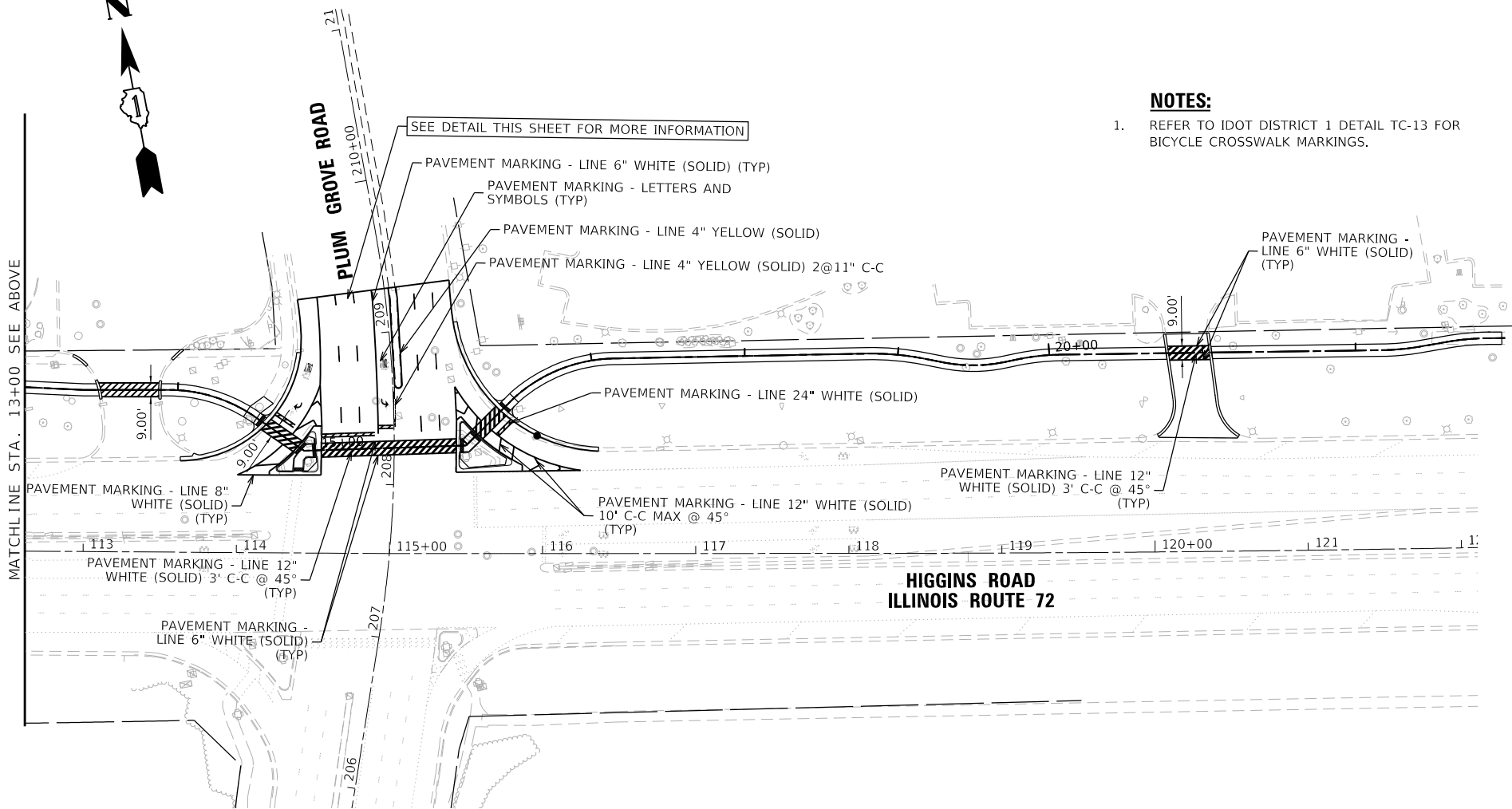
MATCHLINE STA. 13+00 SEE BELOW

**NOTES:**

1. REFER TO IDOT DISTRICT 1 DETAIL TC-13 FOR BICYCLE CROSSWALK MARKINGS.



**PLUM GROVE ROAD LANE WIDTH DETAIL**  
NOT TO SCALE



MATCHLINE STA. 13+00 SEE ABOVE

MODEL: Default  
FILE NAME: N:\2010\12\26\1\Drawings\West\CADD\_Sheets\0118261-shp-pmm01.dgn

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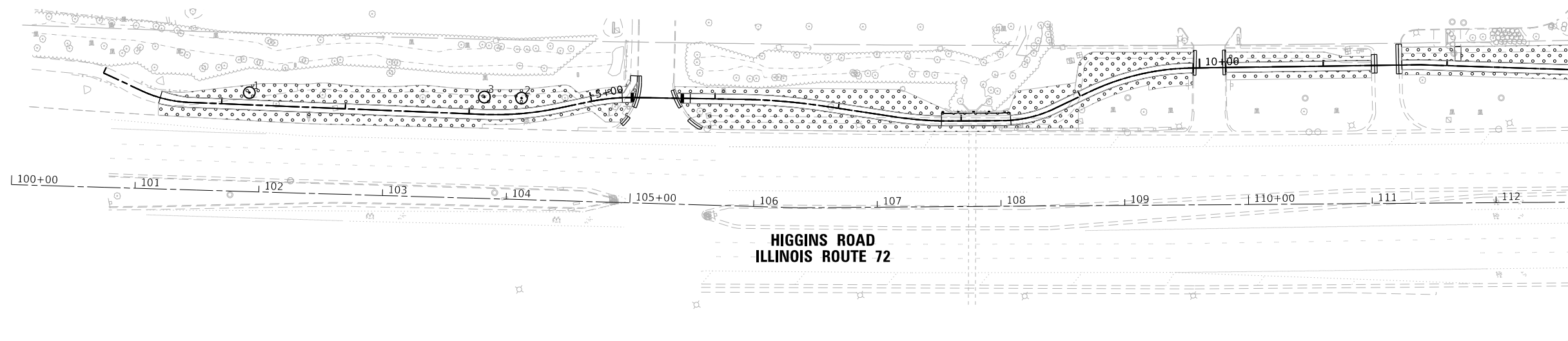
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**STATE OF ILLINOIS  
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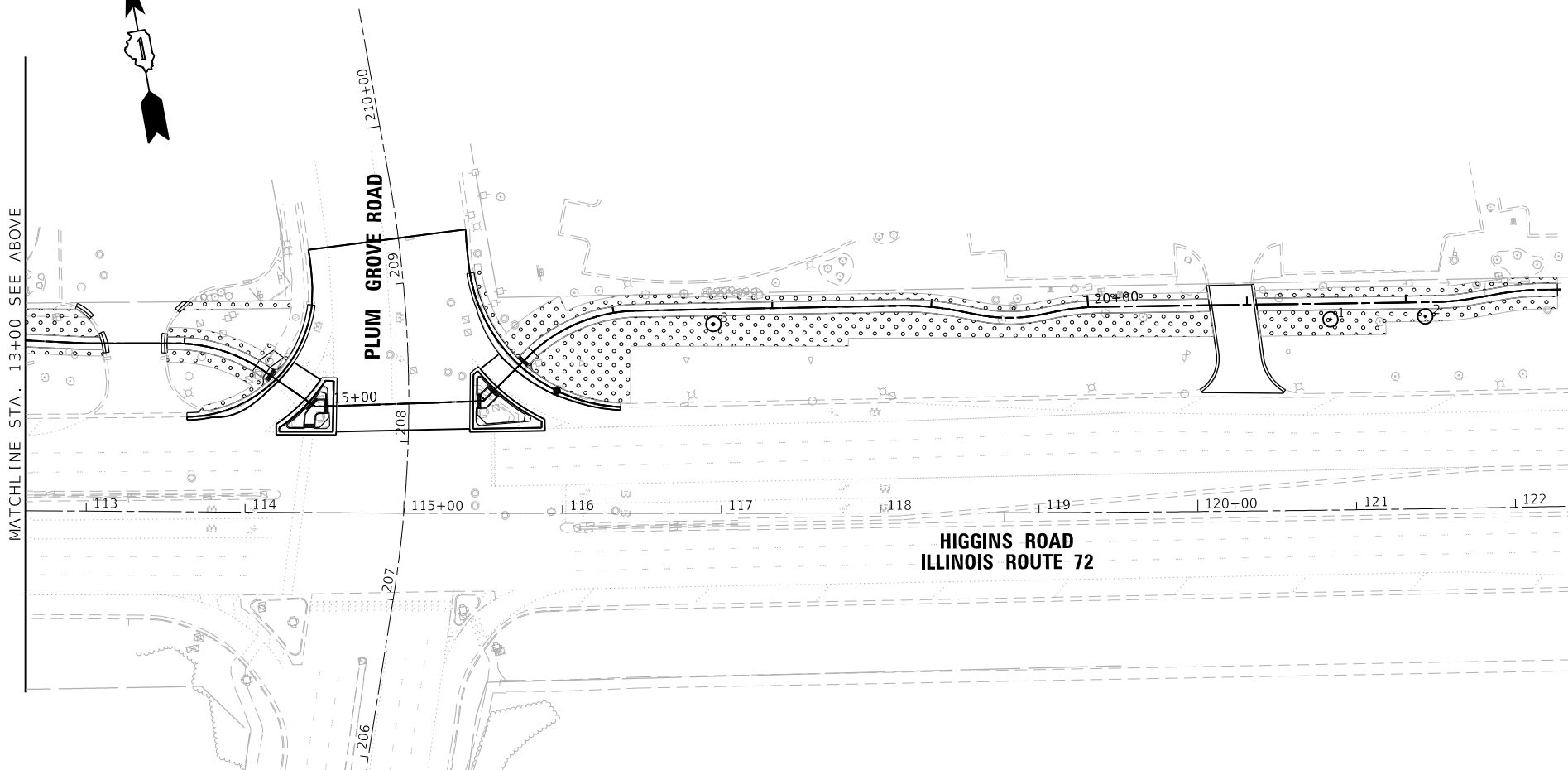
**PAVEMENT MARKING PLAN**

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 1+00.00 TO STA. 23+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	29
				CONTRACT NO. 61G41
				ILLINOIS FED. AID PROJECT IU2G(914)



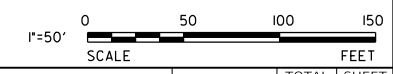
MATCHLINE STA. 13+00 SEE BELOW



MATCHLINE STA. 13+00 SEE ABOVE

**LANDSCAPING LEGEND**

	SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 6" NITROGEN FERTILIZER NUTRIENT PHOSPHORUS FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT
⊕ 1	TREE, ACER X FREEMANII ARMSTRONG (ARMSTRONG FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED
⊕ 2	TREE, GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 2-1/2" CALIPER, BALLED AND BURLAPPED
⊕ 3	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED



MODEL: Default  
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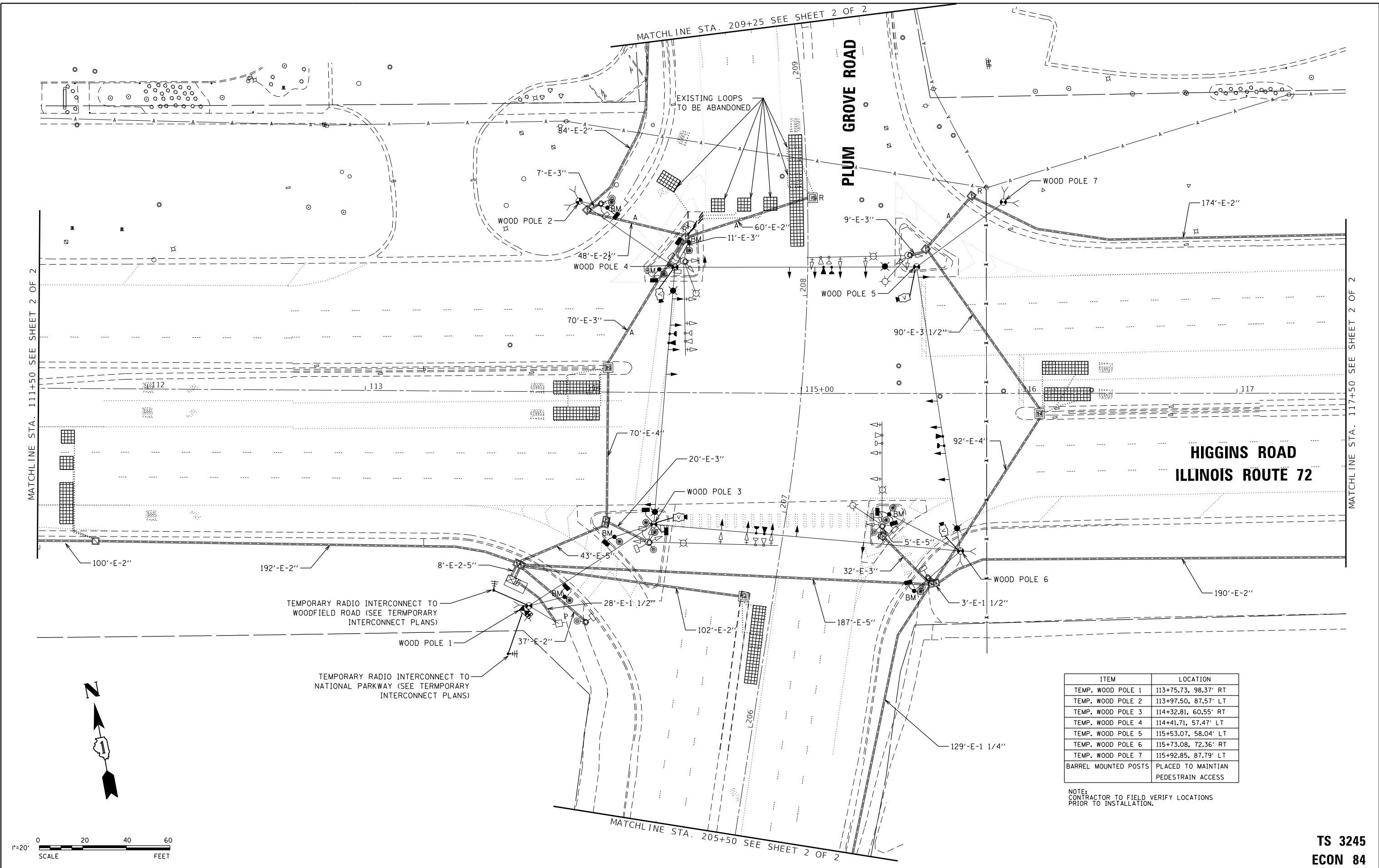
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	DRAWN - DRP	REVISED -	
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLAN**

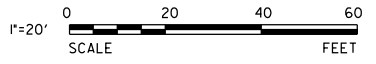
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	30
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT			IU2G(914)	




ITEM	LOCATION
TEMP. WOOD POLE 1	113+75.73, 98.37' RT
TEMP. WOOD POLE 2	113+97.50, 87.57' LT
TEMP. WOOD POLE 3	114+32.81, 60.55' RT
TEMP. WOOD POLE 4	114+41.71, 57.47' LT
TEMP. WOOD POLE 5	115+53.07, 58.04' LT
TEMP. WOOD POLE 6	115+73.08, 72.36' RT
TEMP. WOOD POLE 7	115+92.85, 87.79' LT
BARREL MOUNTED POSTS	PLACED TO MAINTAIN PEDESTRAIN ACCESS

NOTE:  
CONTRACTOR TO FIELD VERIFY LOCATIONS  
PRIOR TO INSTALLATION.



MODEL: Default  
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USER NAME = bpendry  
 PLOT SCALE = 40'  
 PLOT DATE = 4/30/2020

DESIGNED - CAS  
 DRAWN - DRP  
 CHECKED - MJR  
 DATE - 4/10/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

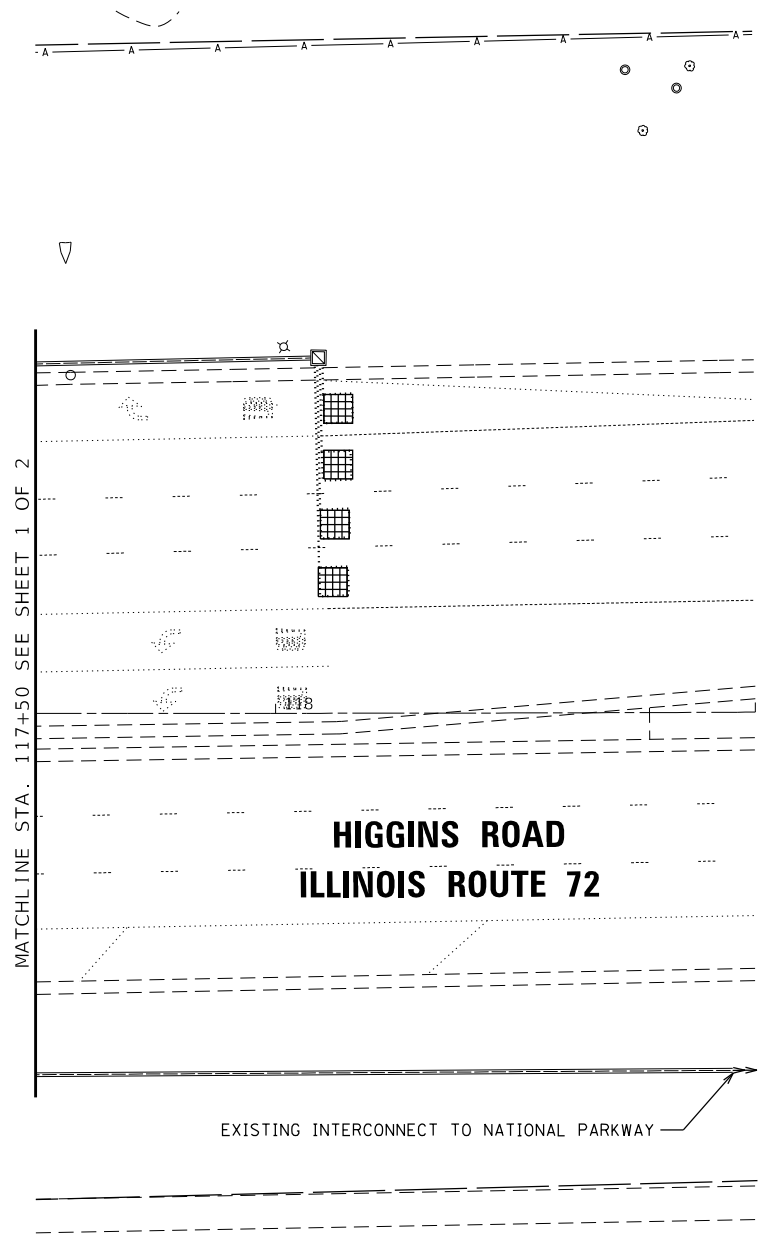
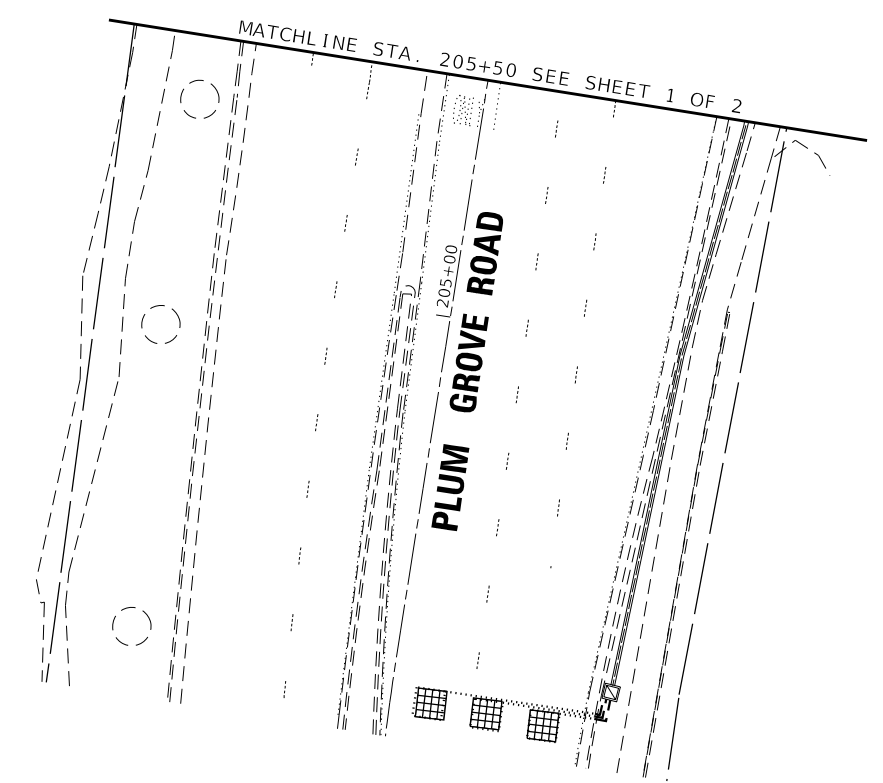
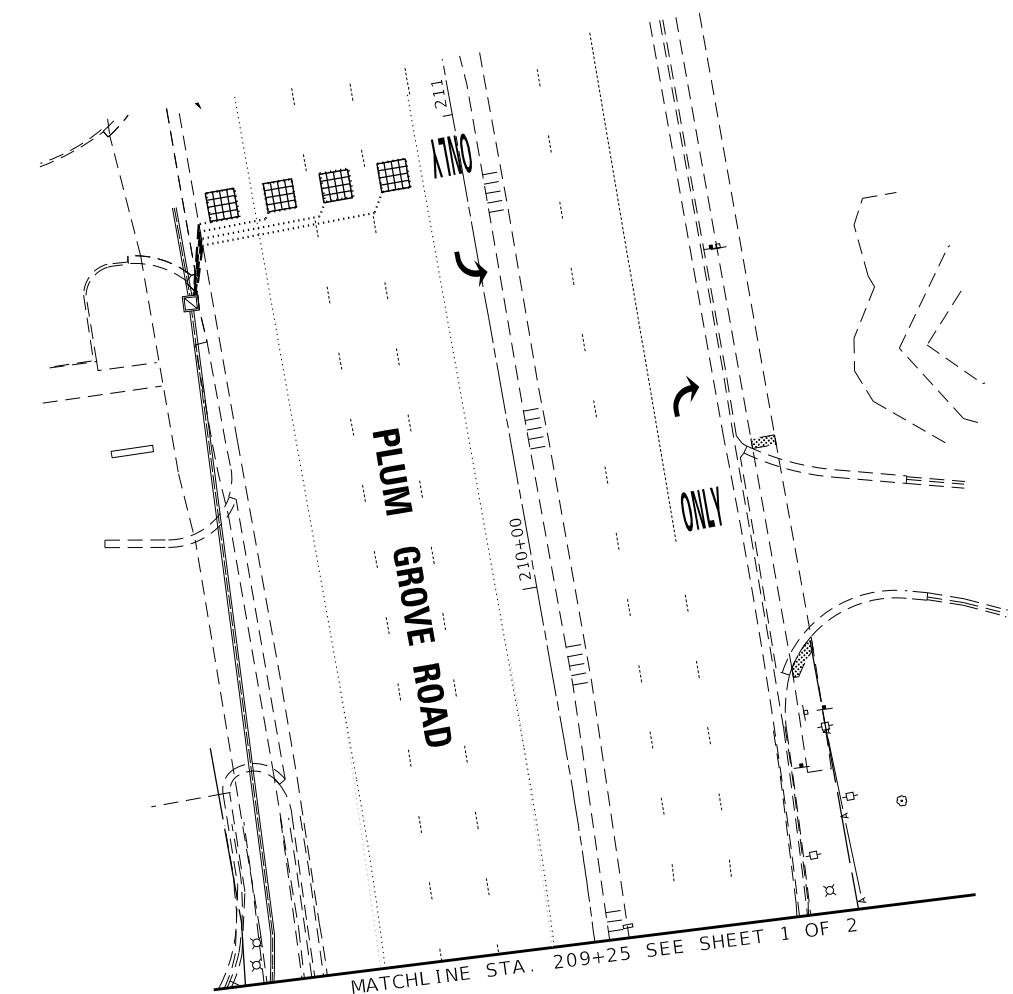
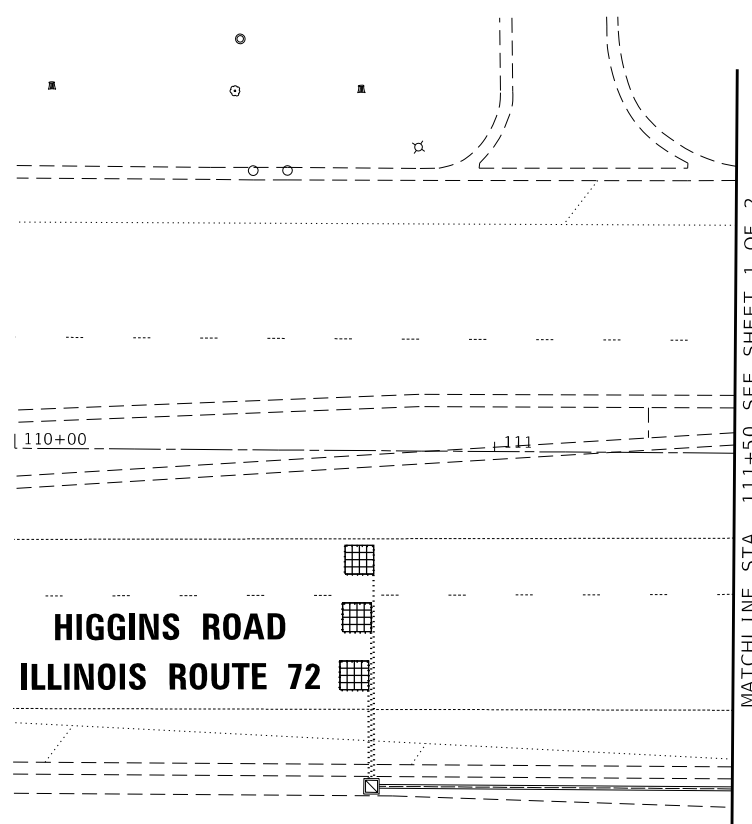
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN (SHEET 1 OF 2)  
 IL RTE 72 (HIGGINS ROAD) AND PLUM GROVE ROAD**

SCALE: 1"=20'    SHEET 1 OF 2 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	31
				CONTRACT NO. 61G41
				ILLINOIS FED. AID PROJECT IU2G(914)

**TS 3245  
 ECON 84**



**HIGGINS ROAD  
ILLINOIS ROUTE 72**

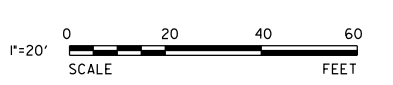
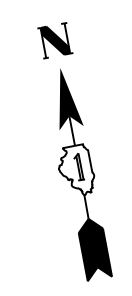
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MATCHLINE STA. 205+50 SEE SHEET 1 OF 2

MATCHLINE STA. 117+50 SEE SHEET 1 OF 2

**HIGGINS ROAD  
ILLINOIS ROUTE 72**

EXISTING INTERCONNECT TO NATIONAL PARKWAY



MODEL: Default  
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USER NAME = bpendry	DESIGNED - CAS	REVISED -
PLOT SCALE = 40'	DRAWN - DRP	REVISED -
PLOT DATE = 4/30/2020	CHECKED - MJR	REVISED -
	DATE - 4/10/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN (SHEET 2 OF 2)  
IL RTE 72 (HIGGINS ROAD) AND PLUM GROVE ROAD**

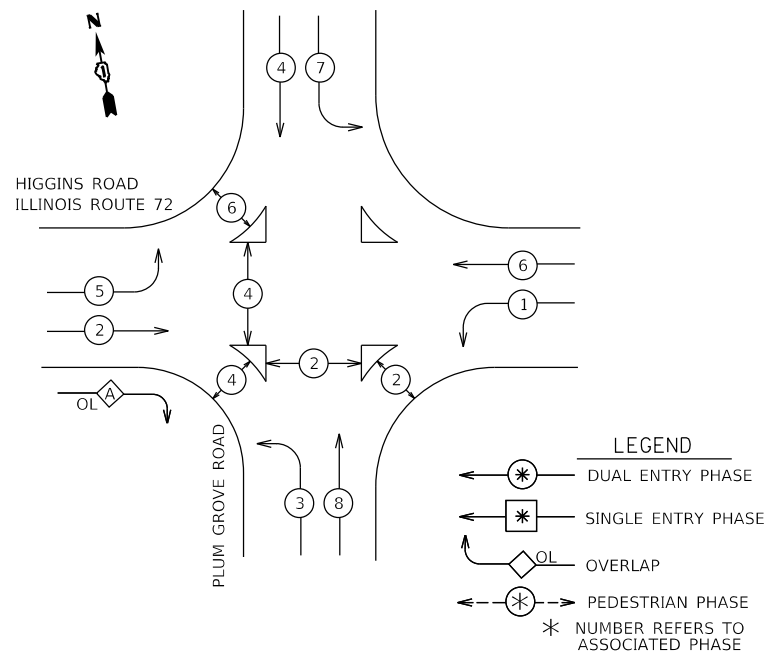
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	32
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT				IU2G(914)

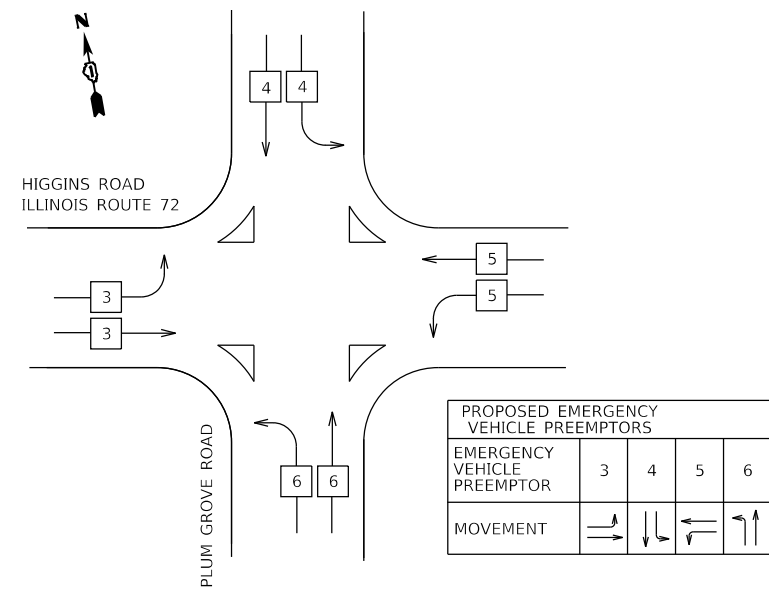
**TS 3245  
ECON 84**



**TEMPORARY CONTROLLER SEQUENCE**



**EMERGENCY VEHICLE PREEMPTION SEQUENCE**



TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. LAMPS	WATTAGE (INCAND.)	% OPERATION	TOTAL WATTAGE
SYSTEM RED	20	11	50	110
YELLOW	20	20	5	20
GREEN	20	12	45	108
PERMISSIVE ARROW	0	10	10	0
PED. SIGNAL	9	20	100	180
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	1	150	100	150
LUMINAIRE	4	175	50	350
TOTAL =				1043

ENERGY COSTS TO:  
VILLAGE OF SCHAUMBURG  
101 SCHAUMBURG COURT  
SCHAUMBURG, ILLINOIS 60143

ENERGY SUPPLY CONTACT: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
COMPANY: COMED  
ACCOUNT NUMBER: \_\_\_\_\_

**IL RTE 72 (HIGGINS RD)**

TEMPORARY RADIO INTERCONNECT TO WOODFIELD ROAD

TEMPORARY RADIO INTERCONNECT TO NATIONAL BOULEVARD

**CABLE PLAN**

NOT TO SCALE

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,  
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE  
IL RTE 72 (HIGGINS RD) AND PLUM GROVE ROAD**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	33
CONTRACT NO. 61G41				

SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

**TS 3245  
ECON 84**

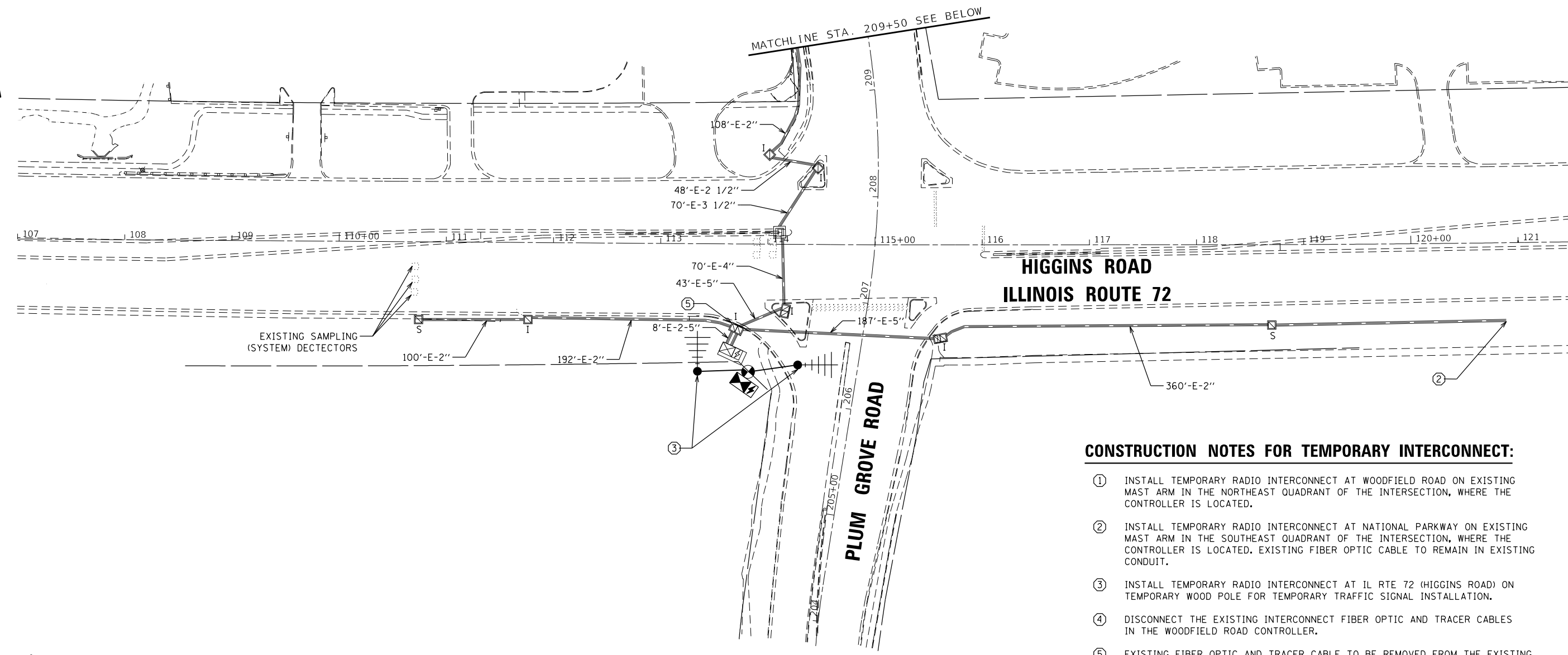
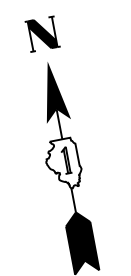
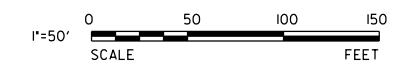
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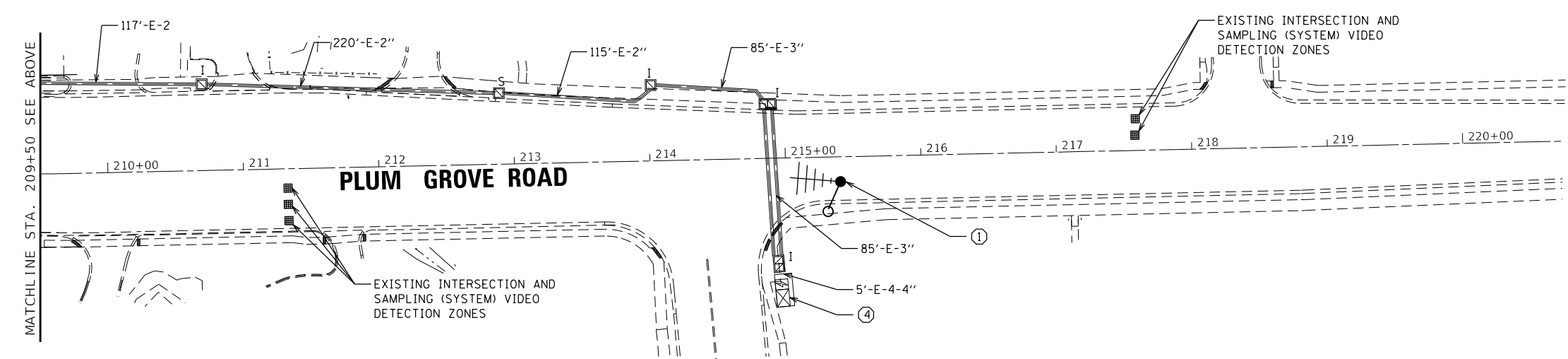
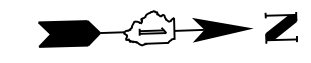
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PLOT SCALE = 2"	DRAWN - DRP	REVISED -
PLOT DATE = 4/30/2020	CHECKED - MJR	REVISED -
	DATE - 4/10/2020	REVISED -

ILLINOIS FED. AID PROJECT IU2G(914)



**CONSTRUCTION NOTES FOR TEMPORARY INTERCONNECT:**

- ① INSTALL TEMPORARY RADIO INTERCONNECT AT WOODFIELD ROAD ON EXISTING MAST ARM IN THE NORTHEAST QUADRANT OF THE INTERSECTION, WHERE THE CONTROLLER IS LOCATED.
- ② INSTALL TEMPORARY RADIO INTERCONNECT AT NATIONAL PARKWAY ON EXISTING MAST ARM IN THE SOUTHEAST QUADRANT OF THE INTERSECTION, WHERE THE CONTROLLER IS LOCATED. EXISTING FIBER OPTIC CABLE TO REMAIN IN EXISTING CONDUIT.
- ③ INSTALL TEMPORARY RADIO INTERCONNECT AT IL RTE 72 (HIGGINS ROAD) ON TEMPORARY WOOD POLE FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- ④ DISCONNECT THE EXISTING INTERCONNECT FIBER OPTIC AND TRACER CABLES IN THE WOODFIELD ROAD CONTROLLER.
- ⑤ EXISTING FIBER OPTIC AND TRACER CABLE TO BE REMOVED FROM THE EXISTING CONDUIT TO THE DOUBLE HANDHOLE AT THE IL RTE 72 (HIGGINS ROAD) CONTROLLER. EXCESS FIBER OPTIC AND TRACER CABLE SHALL BE COILED AND PROTECTED UNTIL READY TO REINSTALL TO WOODFIELD ROAD.



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USER NAME = bpendry	DESIGNED - CAS	REVISED -
PLOT SCALE = 100'	DRAWN - DRP	REVISED -
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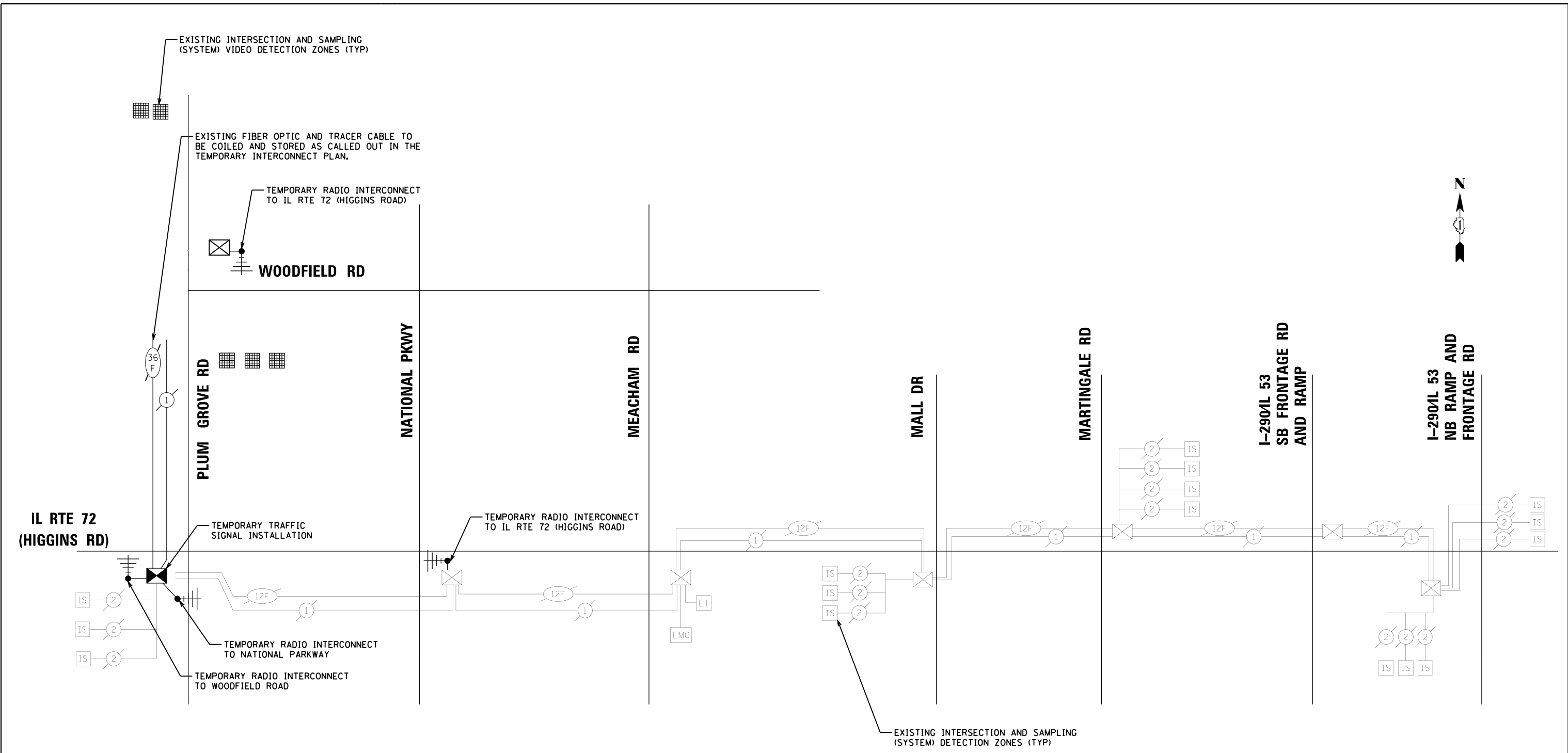
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT PLAN (SHEET 1 OF 1)**  
**IL RTE 72 (HIGGINS ROAD)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	34
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT				IU2G(914)

**ECON 84**



MODEL: Default  
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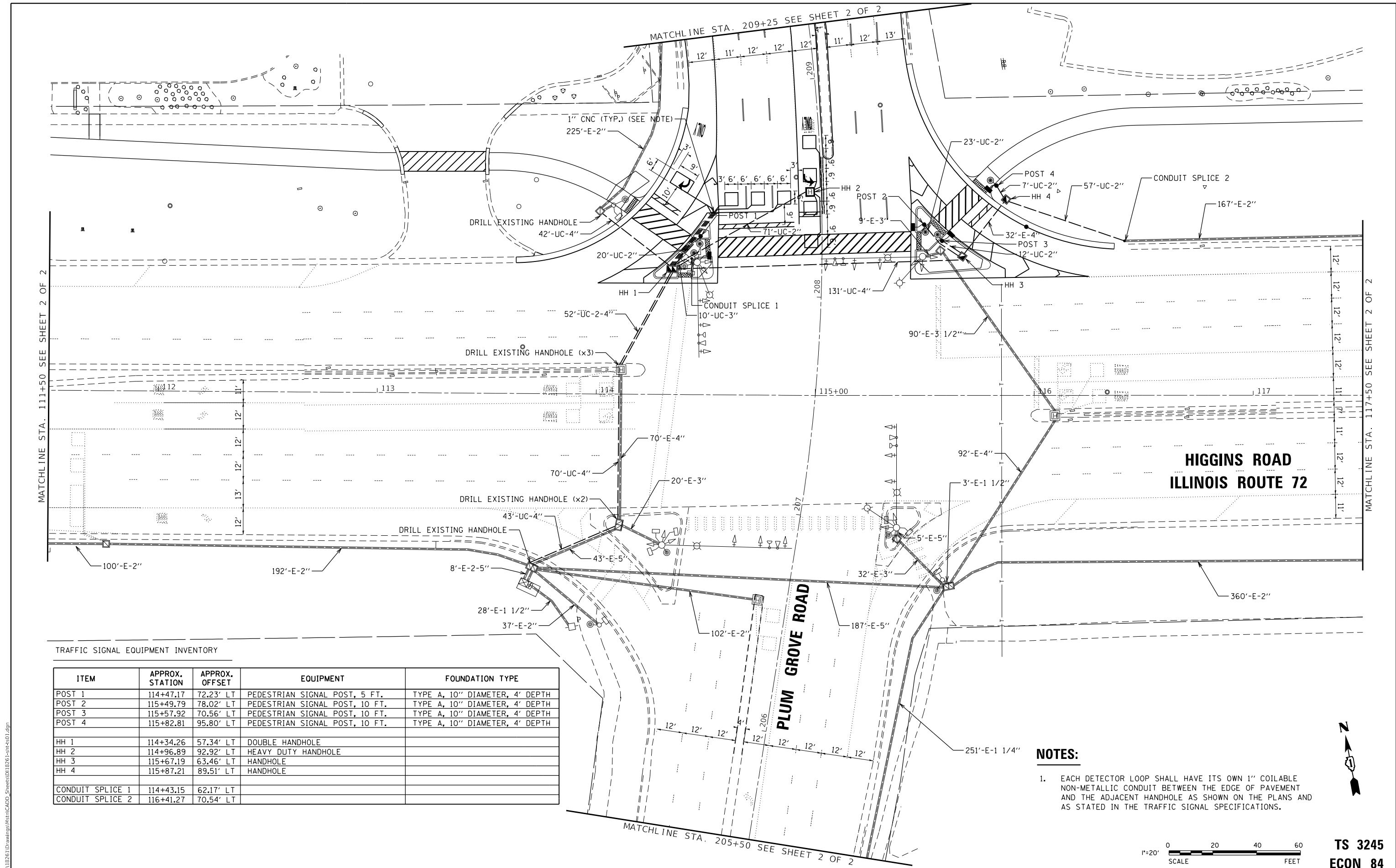
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PLOT DATE = 4/30/2020	CHECKED - MJR	REVISED -
	DATE - 4/10/2020	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>TEMPORARY INTERCONNECT SCHEMATIC          IL RTE 72 (HIGGINS ROAD)</b>		
SCALE: NTS	SHEET 1 OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	35
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT				IU2G(914)

**ECON 84**



**HIGGINS ROAD  
ILLINOIS ROUTE 72**

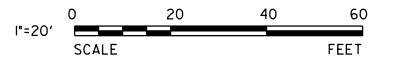
**PLUM GROVE ROAD**

TRAFFIC SIGNAL EQUIPMENT INVENTORY

ITEM	APPROX. STATION	APPROX. OFFSET	EQUIPMENT	FOUNDATION TYPE
POST 1	114+47.17	72.23' LT	PEDESTRIAN SIGNAL POST, 5 FT.	TYPE A, 10" DIAMETER, 4' DEPTH
POST 2	115+49.79	78.02' LT	PEDESTRIAN SIGNAL POST, 10 FT.	TYPE A, 10" DIAMETER, 4' DEPTH
POST 3	115+57.92	70.56' LT	PEDESTRIAN SIGNAL POST, 10 FT.	TYPE A, 10" DIAMETER, 4' DEPTH
POST 4	115+82.81	95.80' LT	PEDESTRIAN SIGNAL POST, 10 FT.	TYPE A, 10" DIAMETER, 4' DEPTH
HH 1	114+34.26	57.34' LT	DOUBLE HANDHOLE	
HH 2	114+96.89	92.92' LT	HEAVY DUTY HANDHOLE	
HH 3	115+67.19	63.46' LT	HANDHOLE	
HH 4	115+87.21	89.51' LT	HANDHOLE	
CONDUIT SPLICE 1	114+43.15	62.17' LT		
CONDUIT SPLICE 2	116+41.27	70.54' LT		

**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.



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 1 OF 2)  
RTE 72 (HIGGINS RD) AND PLUM GROVE RD

TS 3245  
ECON 84

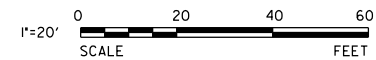
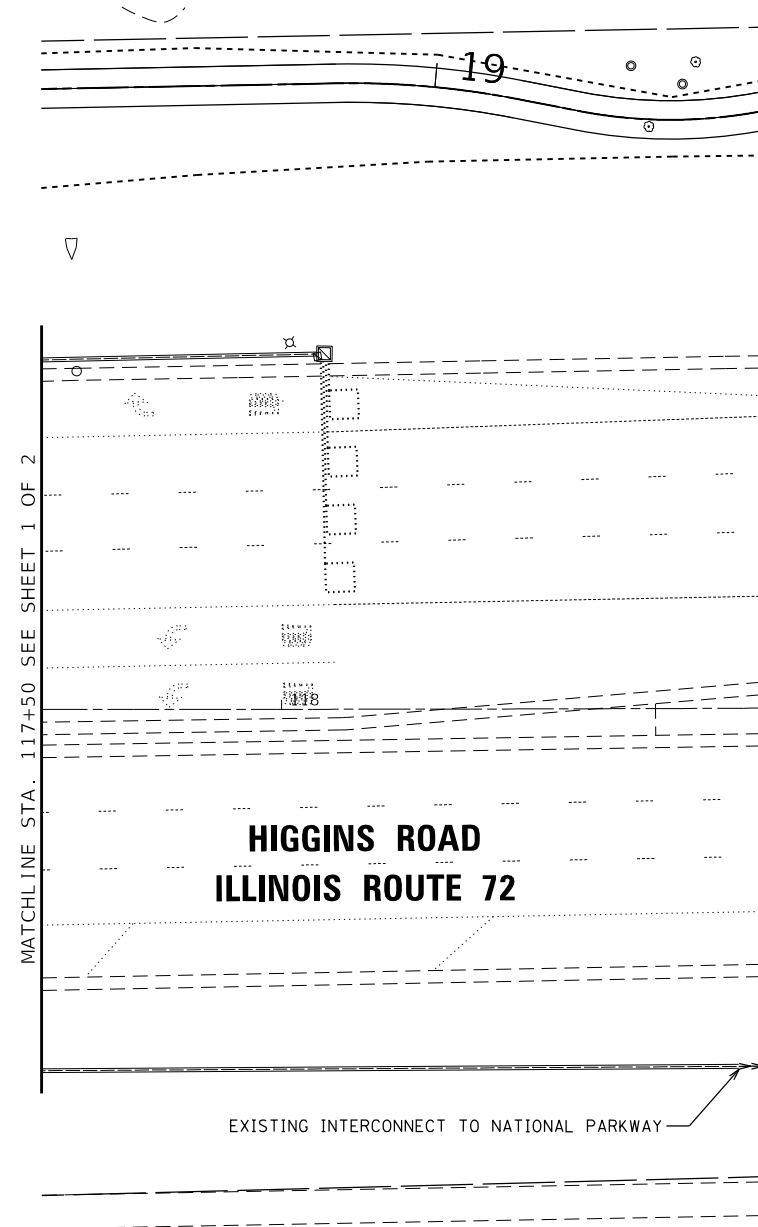
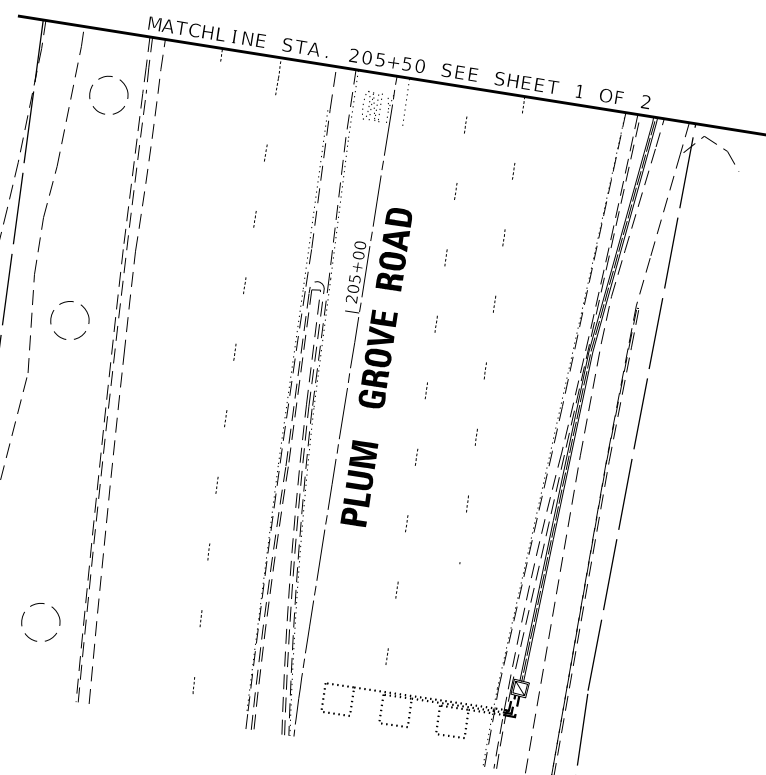
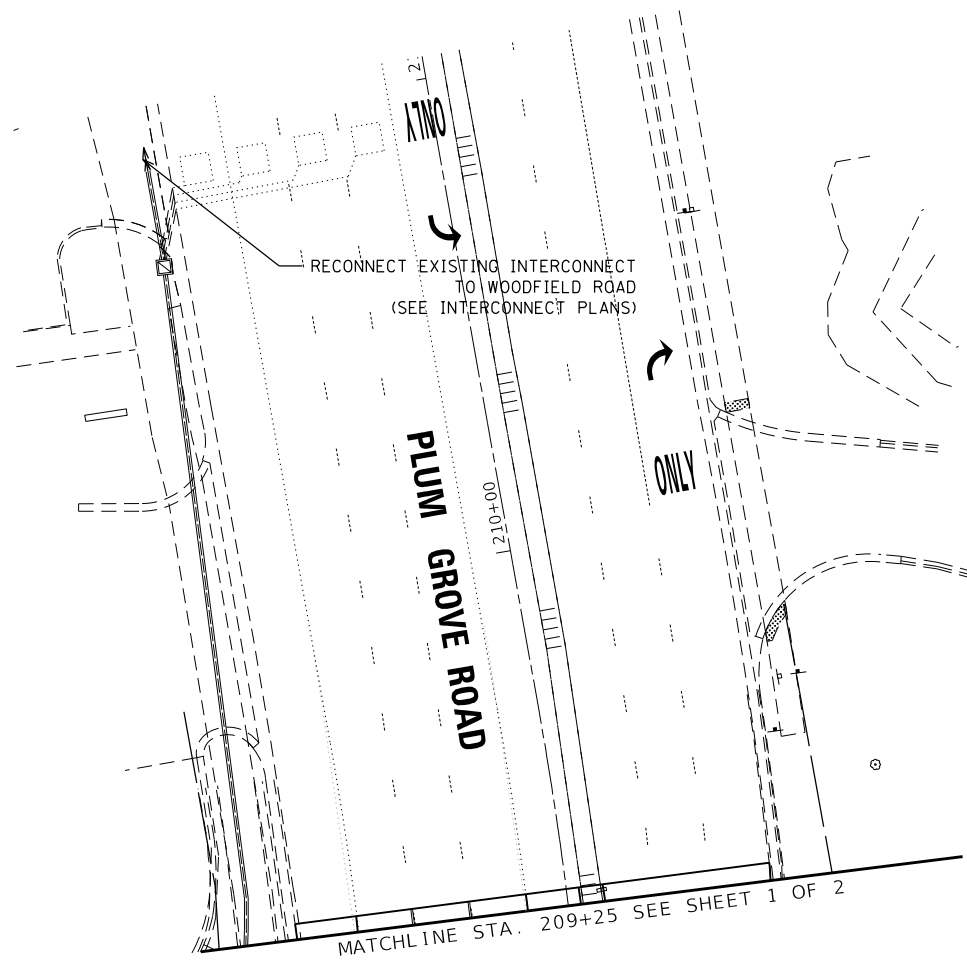
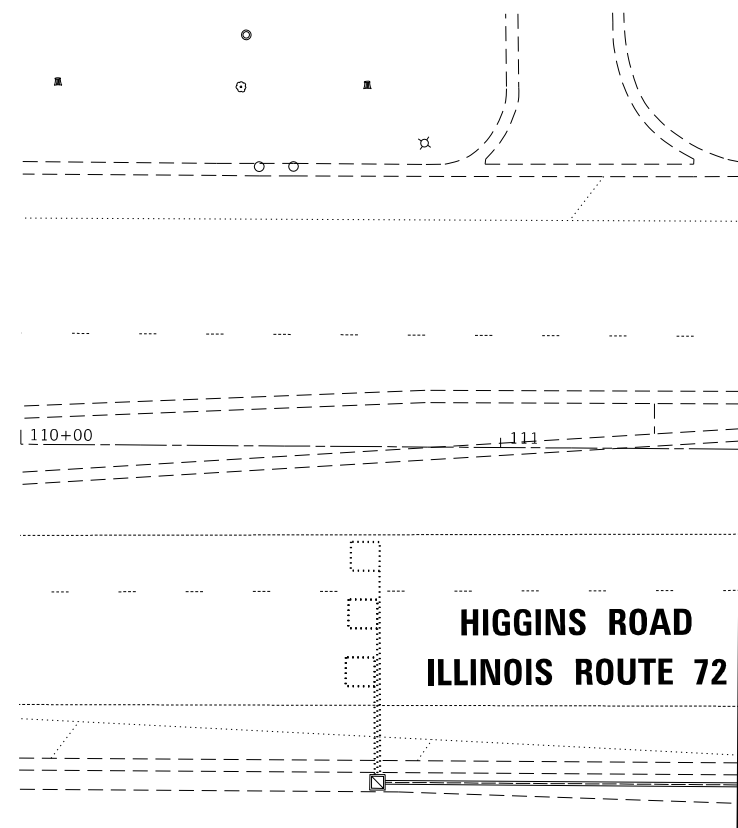
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USER NAME = bpendry	DESIGNED - CAS	REVISED -
PLOT SCALE = 40'	DRAWN - DRP	REVISED -
PLOT DATE = 4/30/2020	CHECKED - MJR	REVISED -
	DATE = 4/10/2020	REVISED -

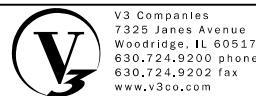
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	36
				CONTRACT NO. 61G41
				ILLINOIS FED. AID PROJECT IU2G(914)



**TS 3245  
ECON 84**

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PLOT SCALE = 40'	DRAWN - DRP	REVISED -
PLOT DATE = 4/30/2020	CHECKED - MJR	REVISED -
	DATE - 4/10/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 2 OF 2)  
IL RTE 72 (HIGGINS ROAD) AND PLUM GROVE ROAD**

SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. TO STA.

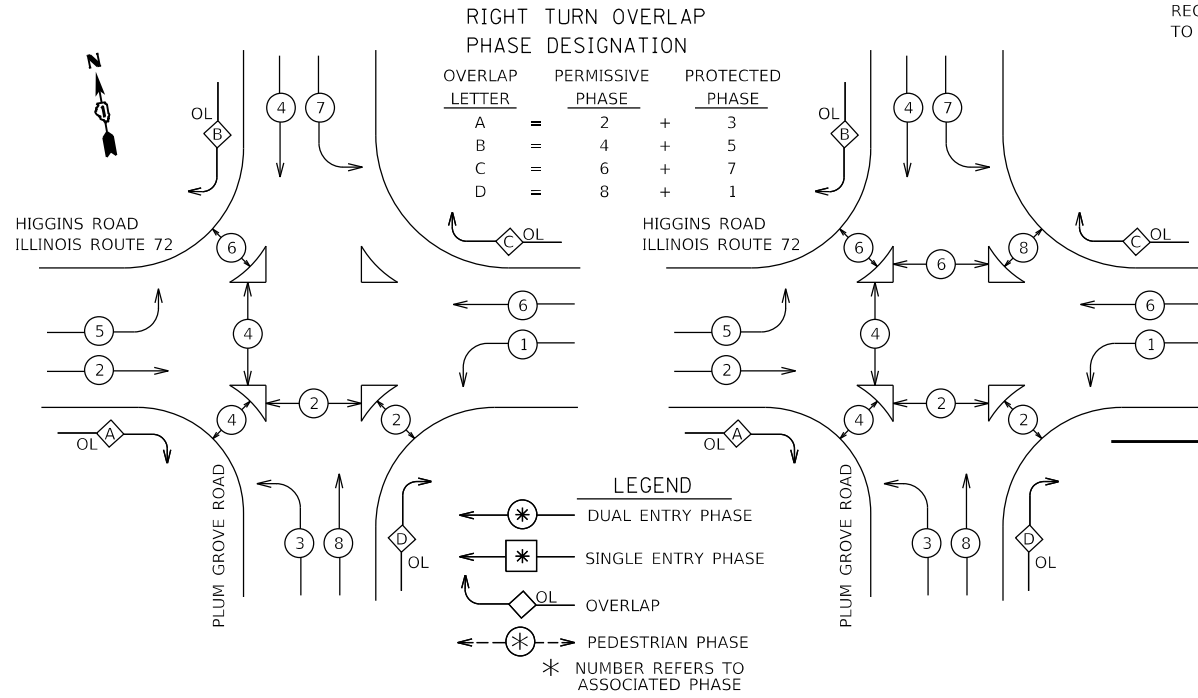
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341	15-00122-00-BT	COOK	73	37
				CONTRACT NO. 61G41
				ILLINOIS FED. AID PROJECT IU2G(914)

**EXISTING CONTROLLER SEQUENCE**

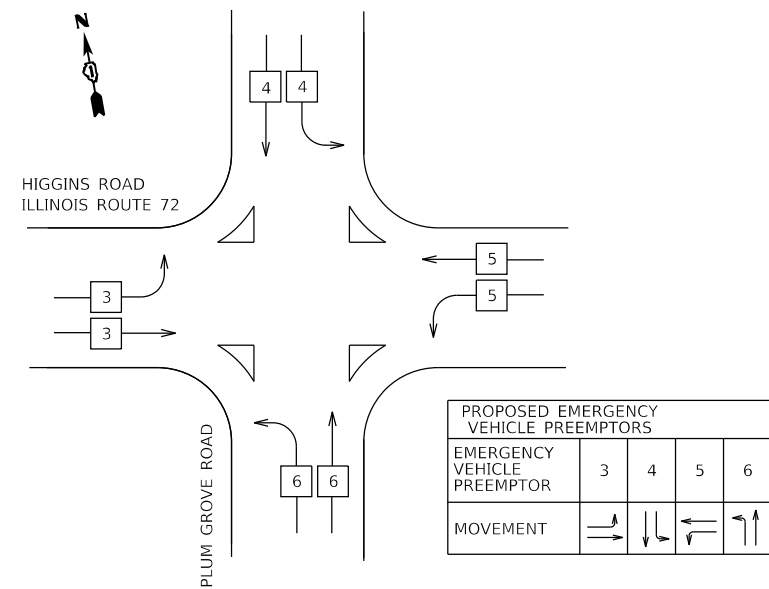
**PROPOSED CONTROLLER SEQUENCE**

**RIGHT TURN OVERLAP PHASE DESIGNATION**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
B	= 4	+ 5
C	= 6	+ 7
D	= 8	+ 1



**EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL RED	24	11	50	50	132
SIGNAL YELLOW	24	20	5	5	24
SIGNAL GREEN	24	12	45	45	129.6
PERMISSIVE ARROW	16	10	10	10	16
PED. SIGNAL	14	20	100	100	280
CONTROLLER	1	100	100	100	100
UPS	1	25	100	100	25
LUMINAIRE	7	175	50	50	612.5
				TOTAL =	1319.1

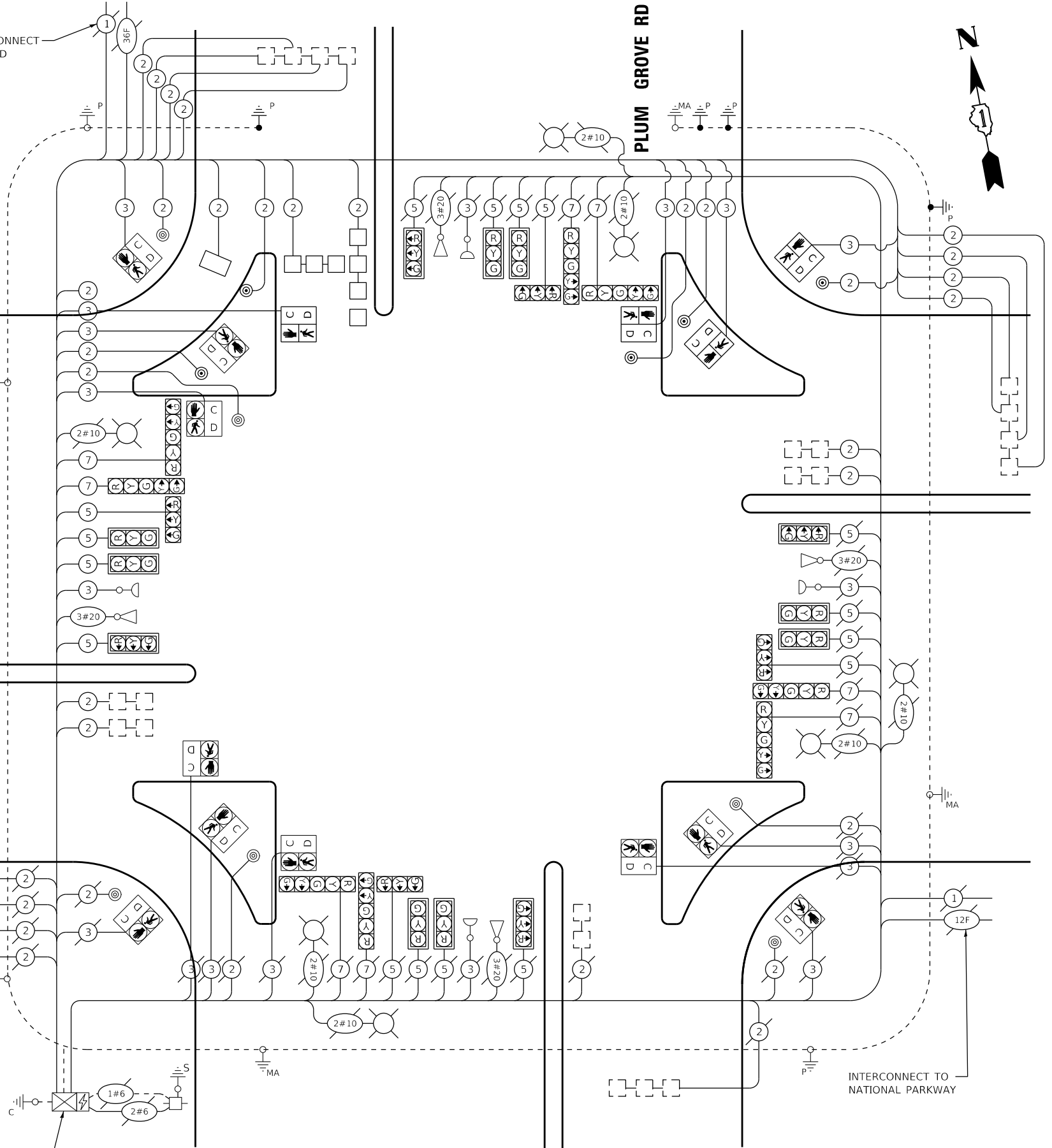
ENERGY COSTS TO:  
 VILLAGE OF SCHAUMBURG  
 101 SCHAUMBURG COURT  
 SCHAUMBURG, ILLINOIS 60143  
 ENERGY SUPPLY CONTACT:  
 PHONE: \_\_\_\_\_  
 COMPANY: COMED  
 ACCOUNT NUMBER: \_\_\_\_\_

RECONNECT INTERCONNECT TO WOODFIELD ROAD

IL RTE 72 (HIGGINS RD)

EXISTING SAMPLING (SYSTEM) DETECTORS

VERIFY THAT INTERCONNECT TO NATIONAL PARKWAY IS OPERATIONAL



**CABLE PLAN**  
NOT TO SCALE

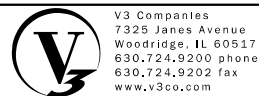
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM,  
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
IL RTE 72 AND PLUM GROVE ROAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	38
				CONTRACT NO. 61G41

TS 3245  
ECON 84

MODEL: Default  
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PLOT SCALE = 2"	DRAWN - DRP	REVISED -
PLOT DATE = 4/30/2020	CHECKED - MJR	REVISED -
	DATE - 4/10/2020	REVISED -

SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT IU2G(914)

PLUM GROVE ROAD AND IL RTE 72 (HIGGINS RD) - TRAFFIC SIGNAL SCHEDULE

DESCRIPTION	UNIT	QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	190
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	10
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	422
HANDHOLE	EACH	2
HEAVY-DUTY HANDHOLE	EACH	1
DOUBLE HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 6	FOOT	246
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2241
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2599
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1149
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	521
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	5276
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	541
DRILL EXISTING HANDHOLE	EACH	7
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
DETECTOR LOOP, TYPE I	FOOT	317
PEDESTRIAN PUSH-BUTTON	EACH	5
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	5610
NOTE 1 REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1901
REMOVE EXISTING HANDHOLE	EACH	3
PEDESTRIAN SIGNAL POST, 5 FT	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	302
NOTE 2 ROD AND CLEAN EXISTING CONDUIT	FOOT	539
PEDESTRIAN SIGNAL POST, 10 FT	EACH	3
CONDUIT SPLICE	EACH	2
CONCRETE FOUNDATION TYPE A 10 INCH DIAMETER	FOOT	16
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

NOTES:

1. QUANTITY FOR REMOVE AND REINSTALL CABLE IN CONDUIT IS INCLUDED FOR ALL EQUIPMENT MOUNTED ON THE MAST ARM IN THE SOUTHWEST ISLAND IN THE EVENT THAT THE PROPOSED CABLE CANNOT BE INSTALLED WITH THE EXISTING CABLES IN PLACE.
2. NOMINAL QUANTITY TO BE USED AS DETERMINED BY THE ENGINEER.

**TS 3245  
ECON 84**

MODEL: Default  
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USER NAME = bpendry	DESIGNED - CAS	REVISED -
PLOT SCALE = 2"	CHECKED - MJR	REVISED -
PLOT DATE = 4/30/2020	DATE - 4/10/2020	REVISED -

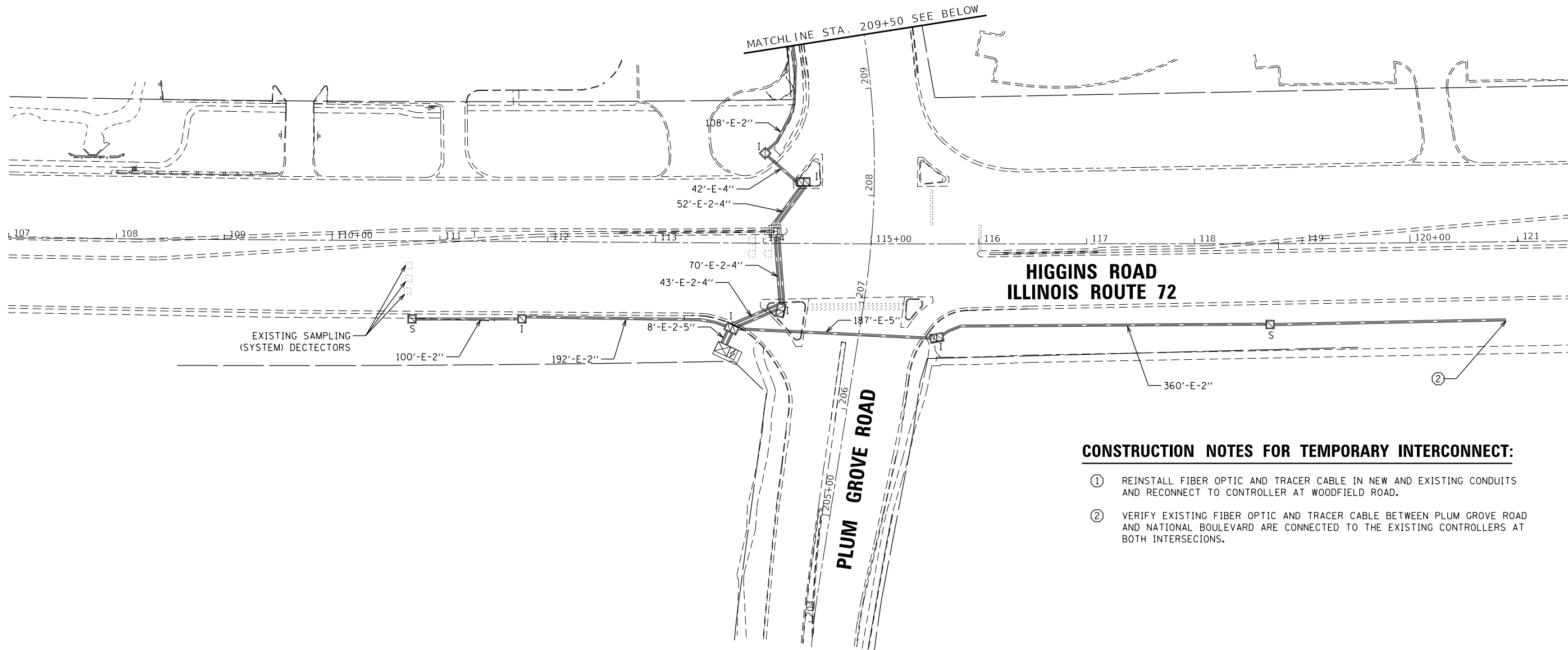
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DRAWN - DRP	REVISED -
CHECKED - MJR	REVISED -
DATE - 4/10/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL SCHEDULE OF QUANTITIES  
IL RTE 72 (HIGGINS RD) AND PLUM GROVE RD**

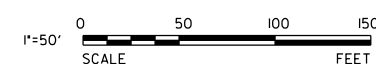
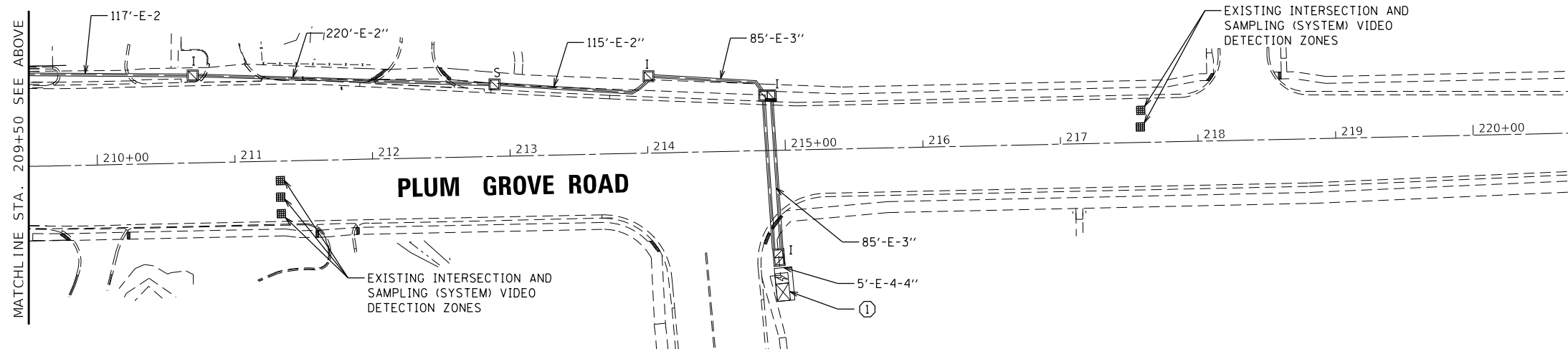
SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	39
CONTRACT NO. 61G41			ILLINOIS FED. AID PROJECT IU2G(914)	



**CONSTRUCTION NOTES FOR TEMPORARY INTERCONNECT:**

- ① REINSTALL FIBER OPTIC AND TRACER CABLE IN NEW AND EXISTING CONDUITS AND RECONNECT TO CONTROLLER AT WOODFIELD ROAD.
- ② VERIFY EXISTING FIBER OPTIC AND TRACER CABLE BETWEEN PLUM GROVE ROAD AND NATIONAL BOULEVARD ARE CONNECTED TO THE EXISTING CONTROLLERS AT BOTH INTERSECTIONS.



**ECON 84**

MODEL: Default  
FILE NAME: N:\301\B11261\Drawings\Main\CADD\_Sheets\0118261-sh1-cs04.dgn

**V3**  
V3 Companies  
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
www.v3co.com

USER NAME = bpendry	DESIGNED - CAS	REVISED -
PLOT SCALE = 100'	DRAWN - DRP	REVISED -
PLOT DATE = 4/30/2020	CHECKED - MJR	REVISED -
	DATE - 4/10/2020	REVISED -

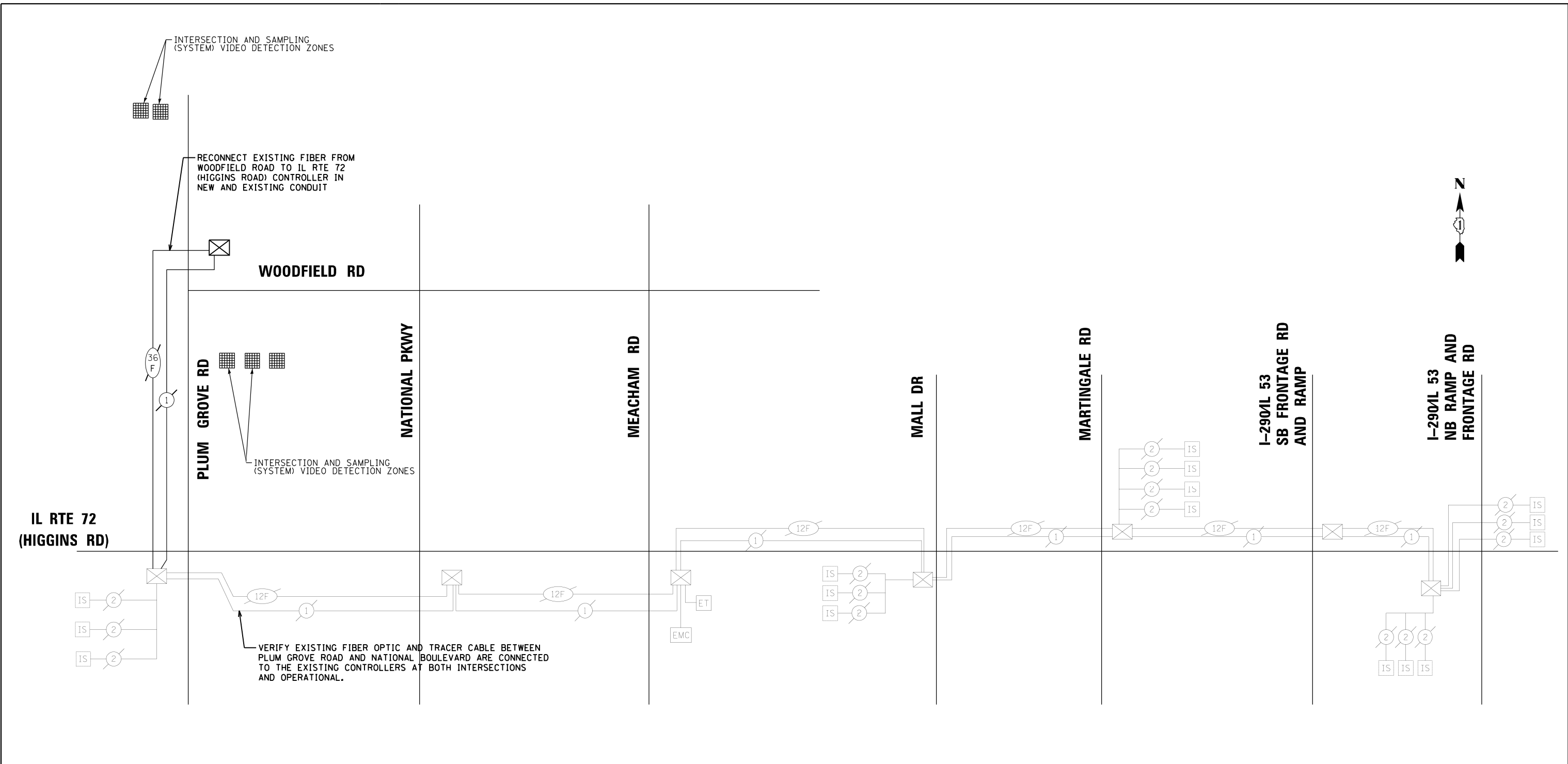
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN  
IL RTE 72 (HIGGINS RD)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	40
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT				IUG(914)

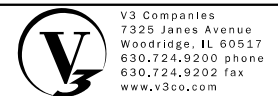




PLUM GROVE RD AND IL RTE 72 (HIGGINS RD) - INTERCONNECT SCHEDULE

DESCRIPTION	UNIT	QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2034

MODEL: Default  
FILE NAME: N:\3011511261\Drawings\West\CADD\_Sheets\0118261-sh1-e05.dgn



V3 Companies  
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
www.v3co.com

USER NAME = bpendry  
DESIGNED - CAS  
DRAWN - DRP  
CHECKED - MJR  
PLOT DATE = 4/30/2020  
DATE - 4/10/2020

REVISED -  
REVISED -  
REVISED -  
REVISED -

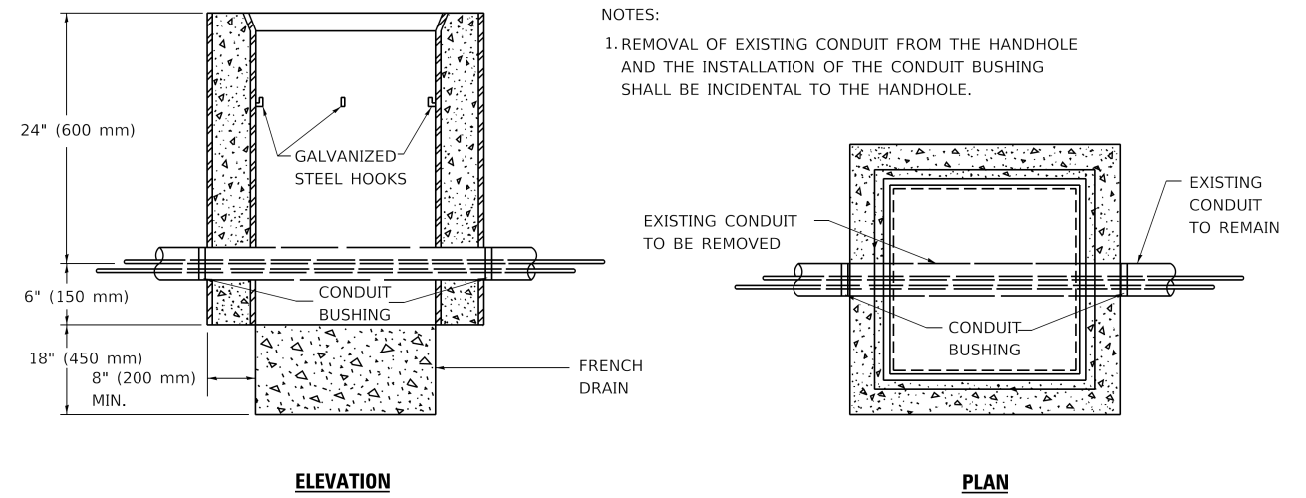
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES  
IL RTE 72 (HIGGINS ROAD)**

SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	41
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT IU2G(914)				

**ECON 84**



**NOTES:**

1. REMOVAL OF EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHING SHALL BE INCIDENTAL TO THE HANDHOLE.

**DETAIL**

**HANDHOLE TO INTERCEPT EXISTING CONDUIT**

MODEL: Default  
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USER NAME = footemj	DESIGNED -	REVISED - 10-01-00
	DRAWN -	REVISED -
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**HANDHOLE TO INTERCEPT EXISTING CONDUIT**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	73	42
<b>TS-03</b>		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

# TRAFFIC SIGNAL LEGEND

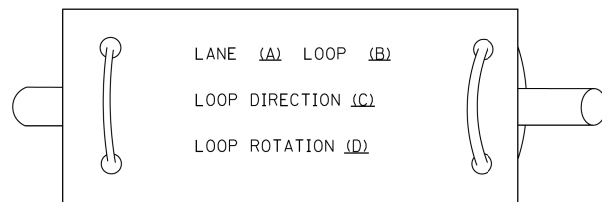
(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND			SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND			SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED			RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM			FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM					
SIGNAL HEAD			RELOCATE ITEM					
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM					
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED					
FLASHER INSTALLATION -(FS) SOLAR POWERED			MAST ARM POLE AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

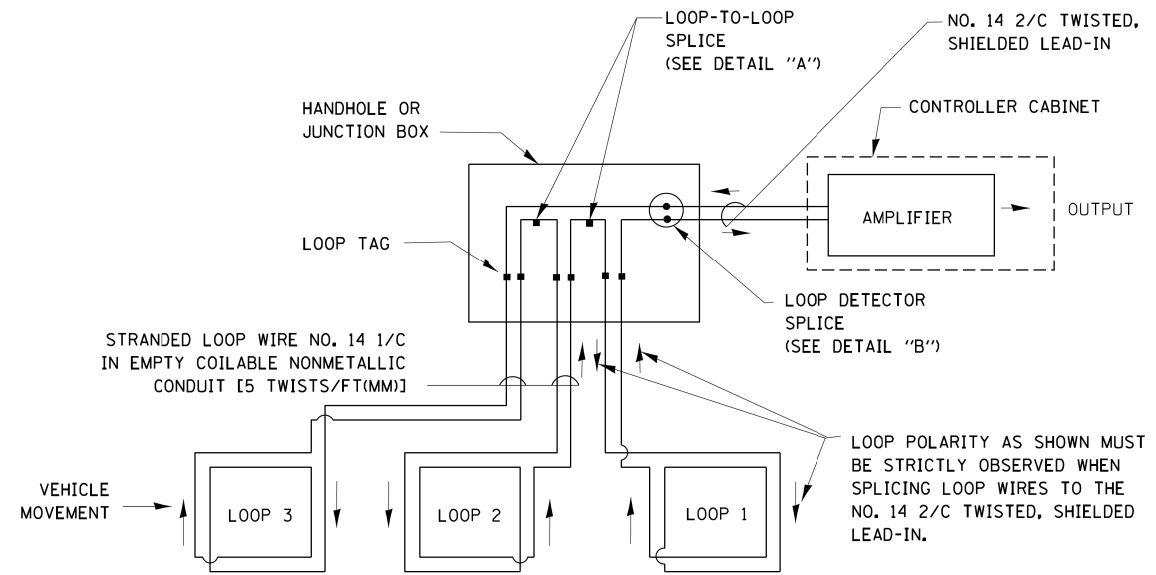
**LOOP DETECTOR NOTES**

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**

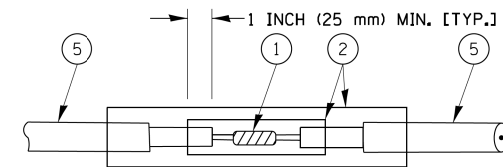


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

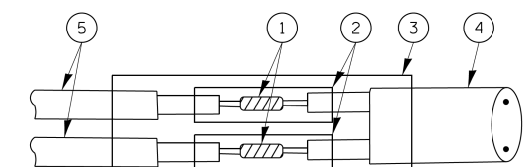


**DETECTOR LOOP WIRING SCHEMATIC**

- 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.

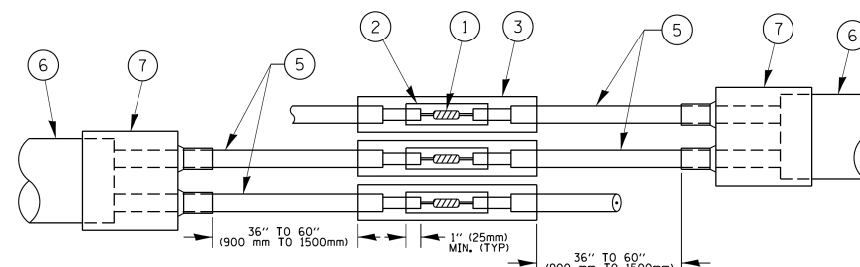


DETAIL "A"  
LOOP-TO-LOOP SPLICE

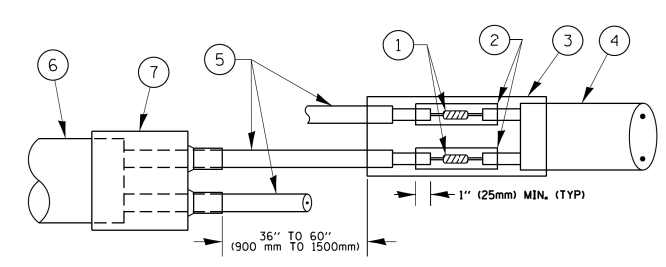


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

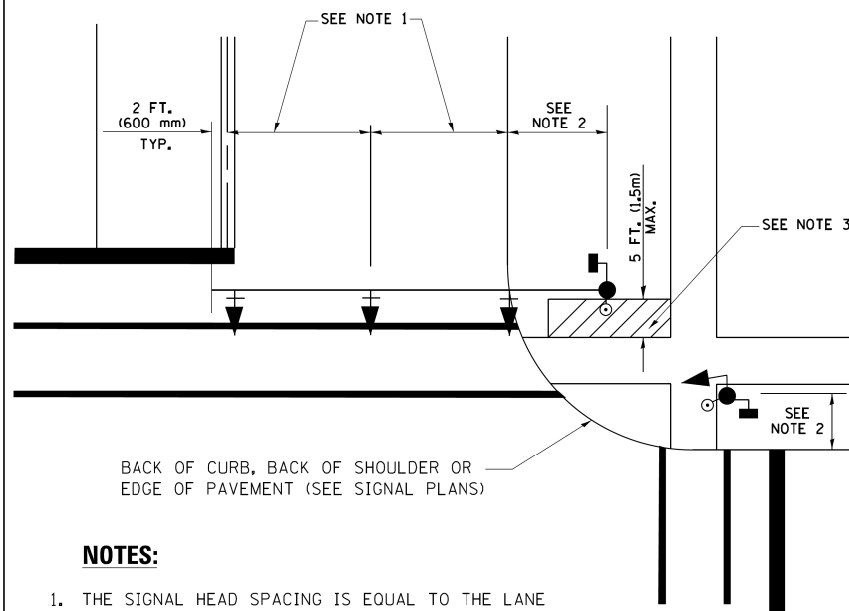
**PREFORMED LOOP**

**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 LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- ⑥ PREFORMED LOOP
- ⑦ XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO CBR-2 OR APPROVED EQUAL

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwork\pwork\footemj\00108315\ts05.dgn		DRAWN - BCK	REVISED -		SCALE: NONE	SHEET NO. 2 OF 7 SHEETS	STA.	TO STA.	COOK	73	44	
		CHECKED - DAD	REVISED -					<b>TS-05</b>		CONTRACT NO.		
		DATE - 10-28-09	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

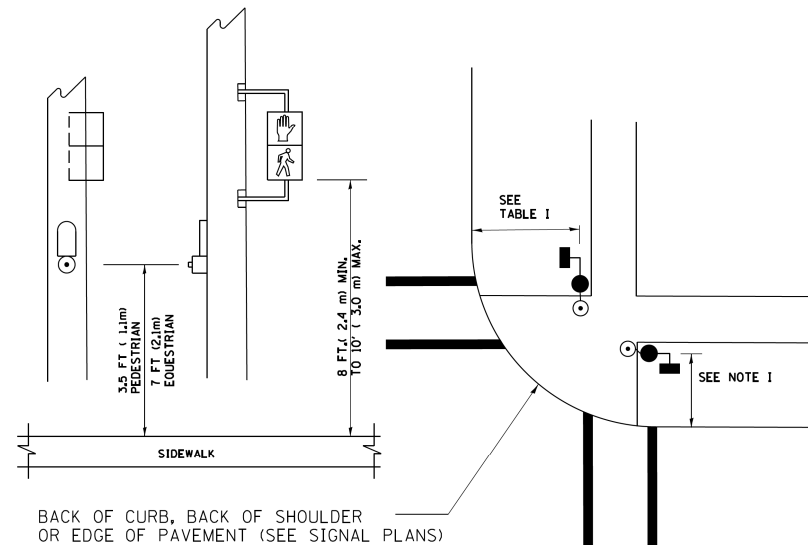
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST  
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR  
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN  
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



**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."

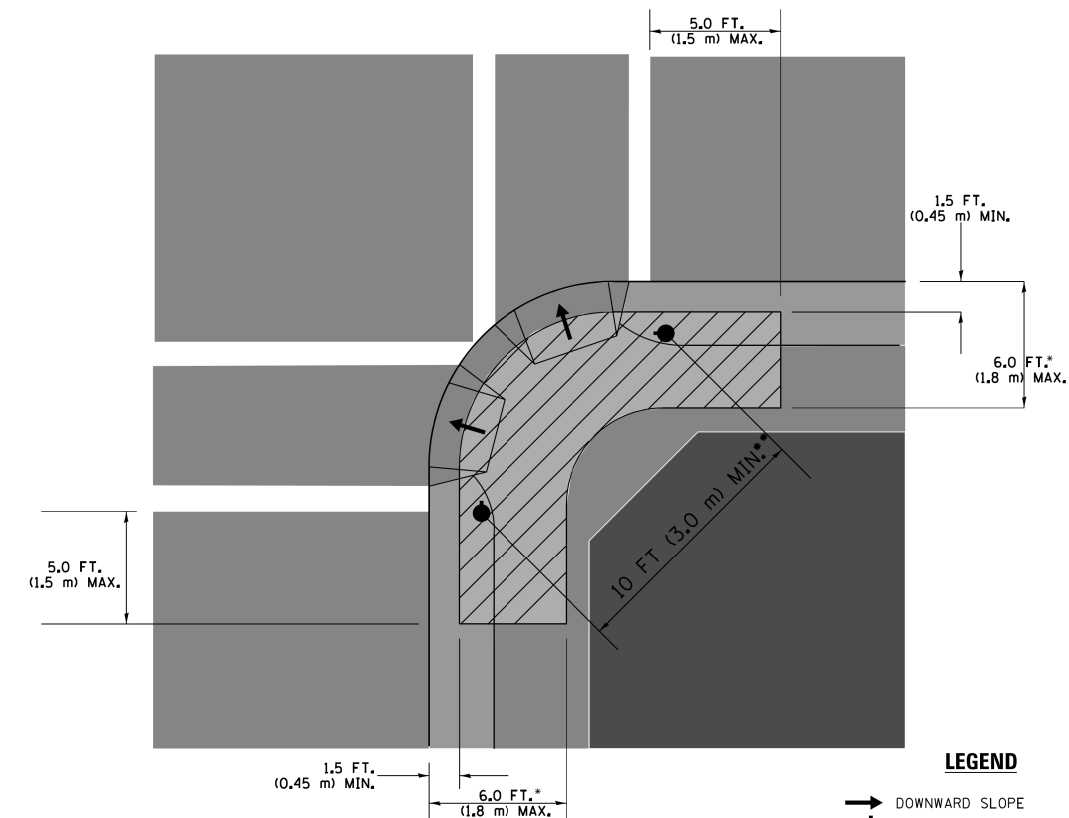
**PEDESTRIAN SIGNAL POST  
AND  
PEDESTRIAN PUSH BUTTON POST**



**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**



**LEGEND**

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ 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) SEPARATION 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.

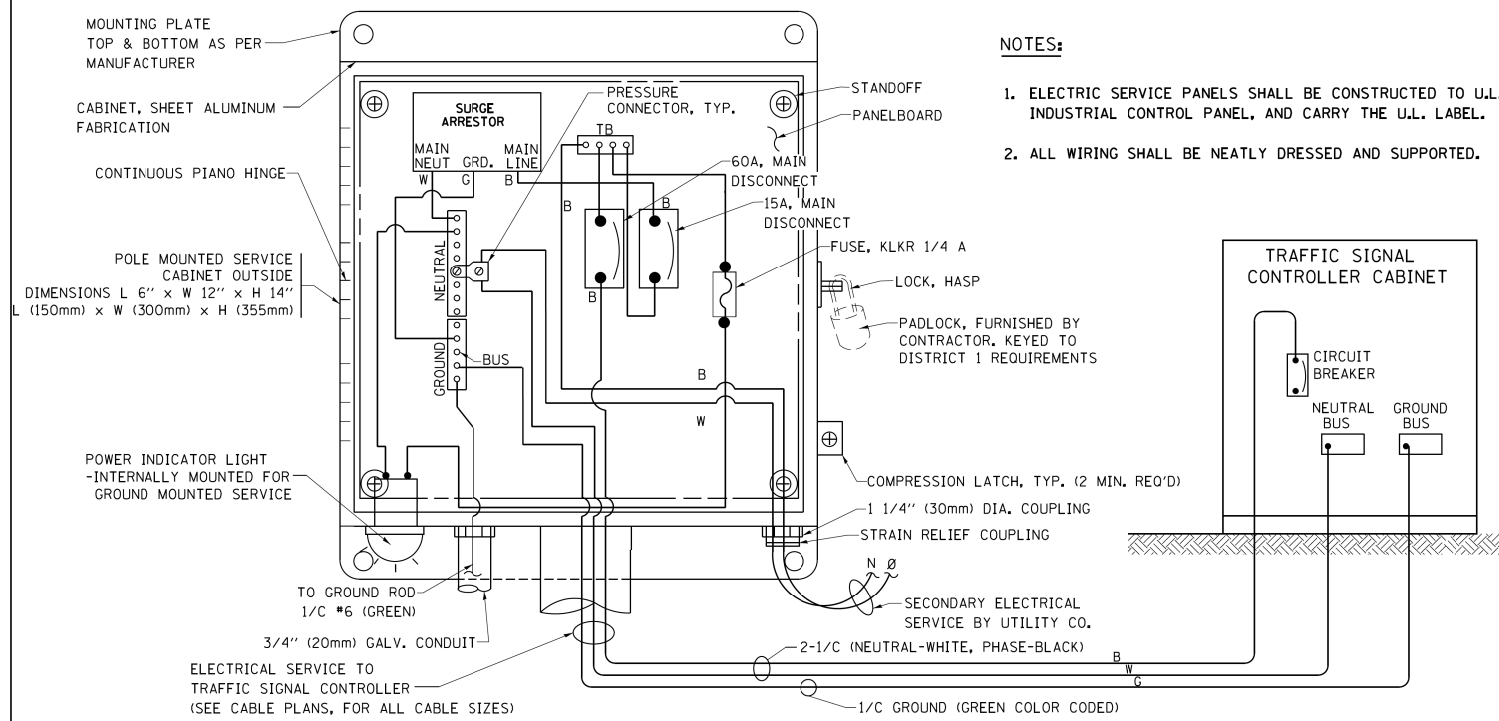
**TRAFFIC SIGNAL EQUIPMENT OFFSET**

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.

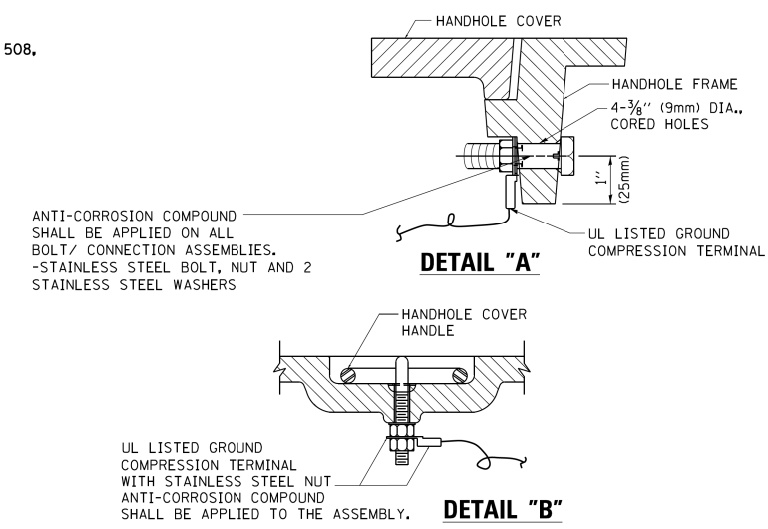
**NOTES:**

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 TO THE 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.

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CHECKED - DAD	REVISED -							<b>TS-05 CONTRACT NO.</b>		
		DATE - 10-28-09	REVISED -							FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

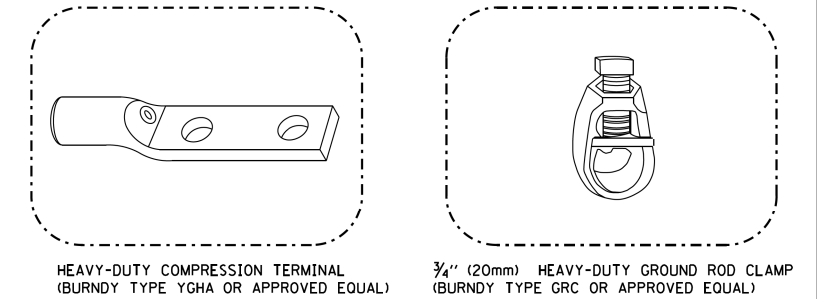
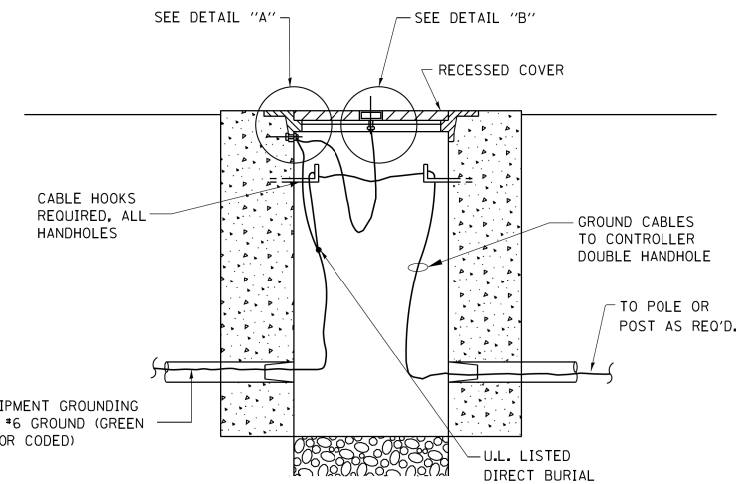


**ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)  
SERVICE INSTALLATION POLE MOUNT (SHOWN)  
(NOT TO SCALE)**

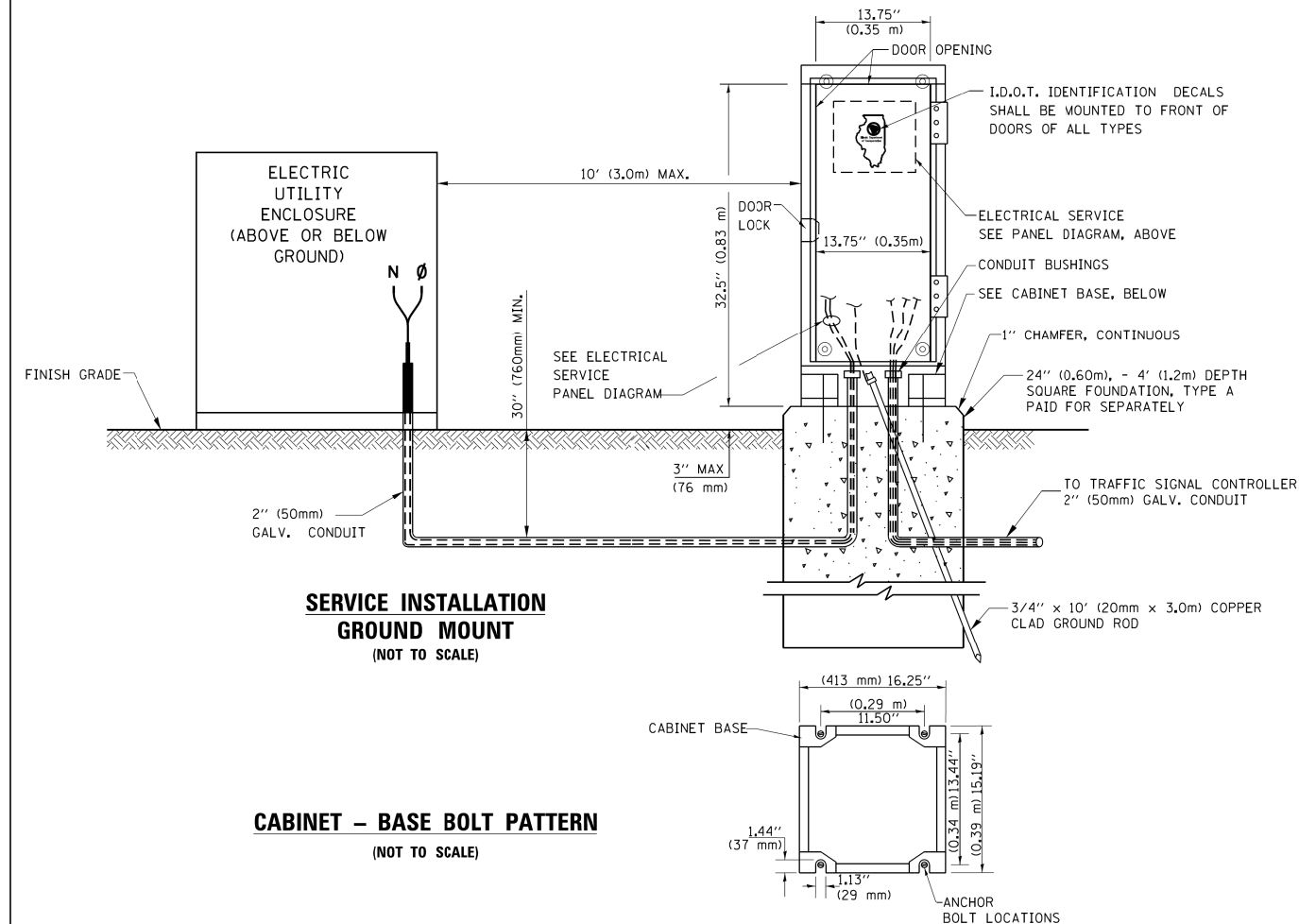
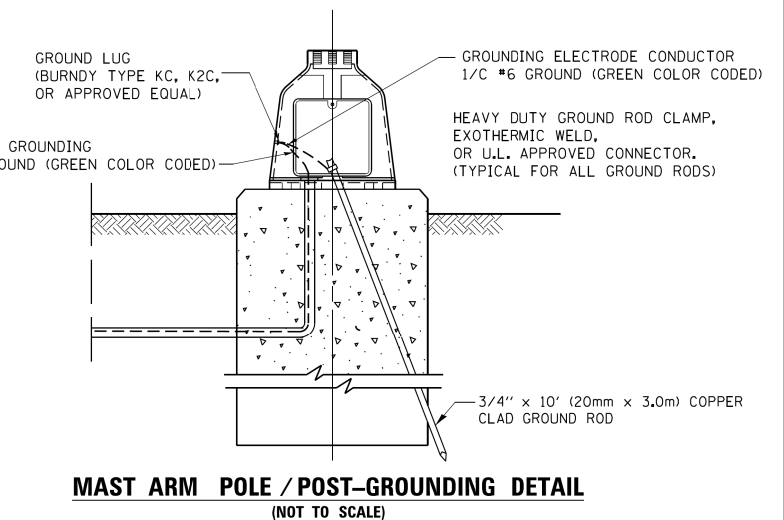
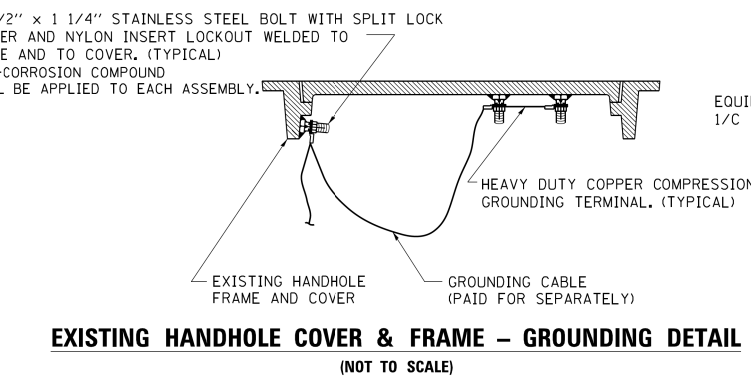


**NOTES:**  
**GROUNDING SYSTEM**

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.



- 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.

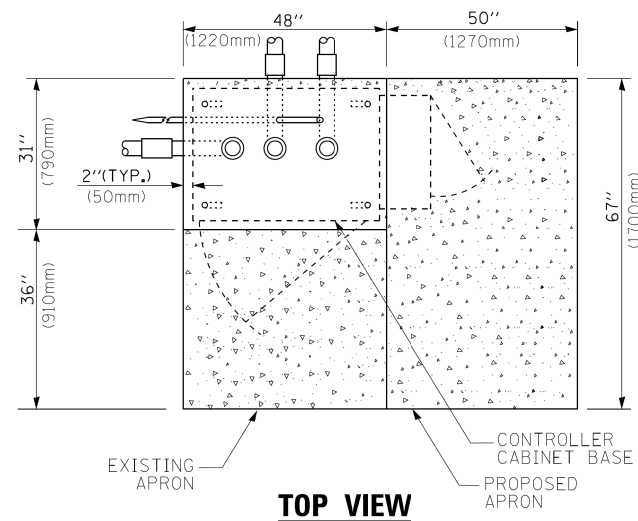


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		CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

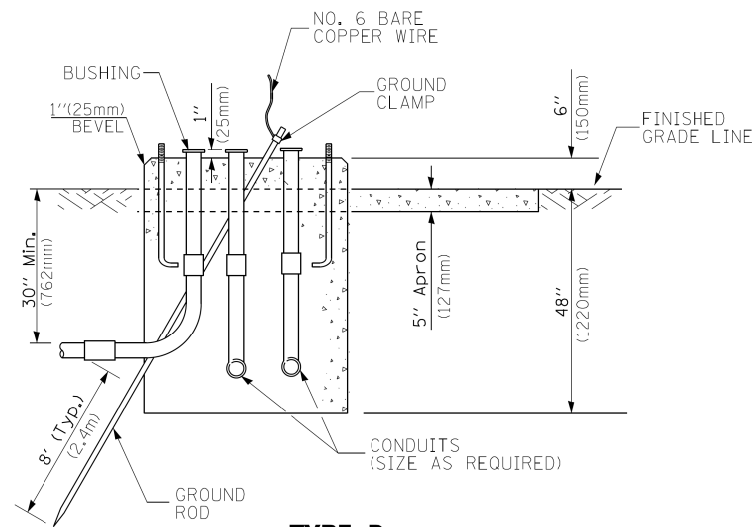
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE</b>			
<b>STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			
SCALE: NONE	SHEET NO. 4 OF 7 SHEETS	STA.	TO STA.

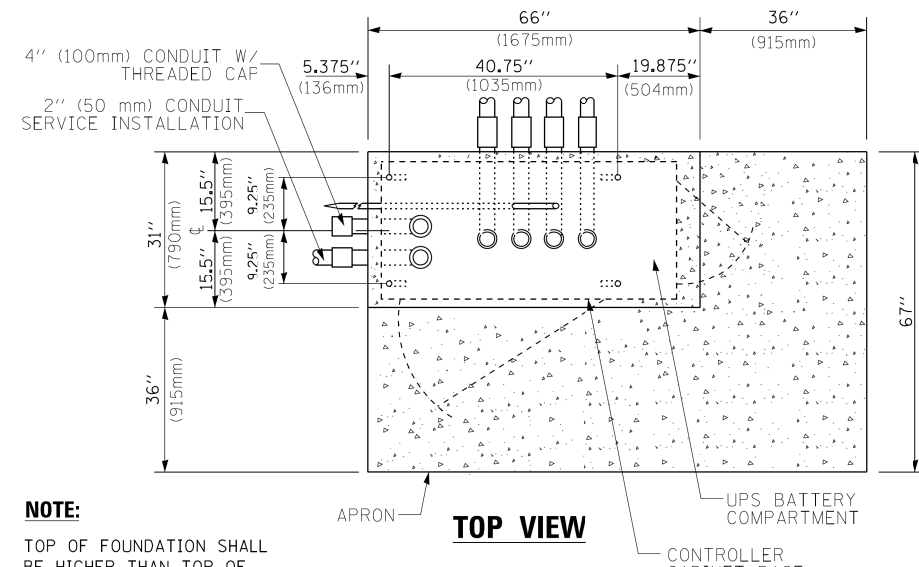
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	73	46
<b>TS-05</b>			<b>CONTRACT NO.</b>	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**TOP VIEW**

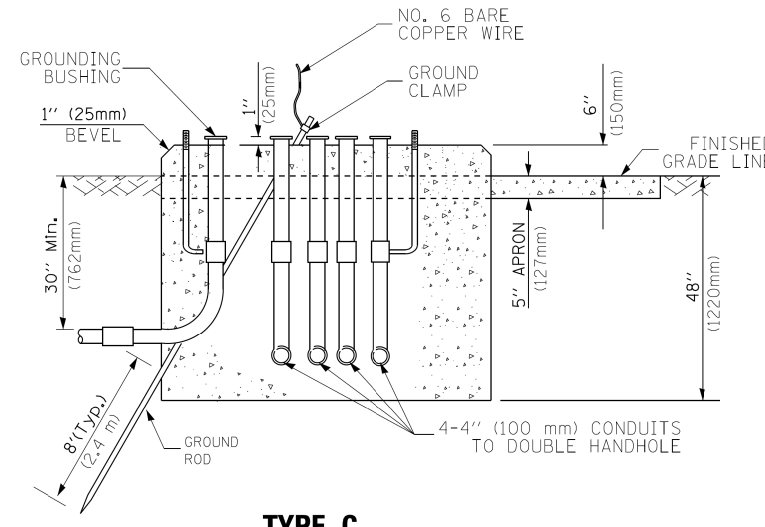


**TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**

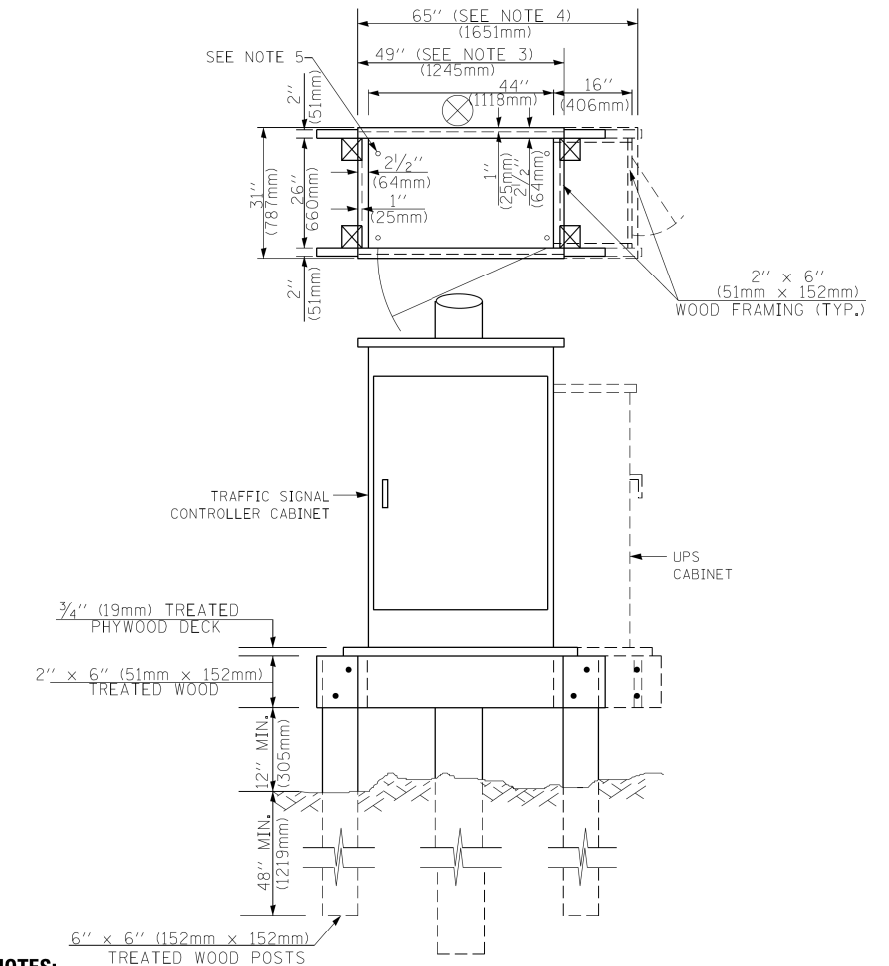


**TOP VIEW**

**NOTE:**  
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**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)

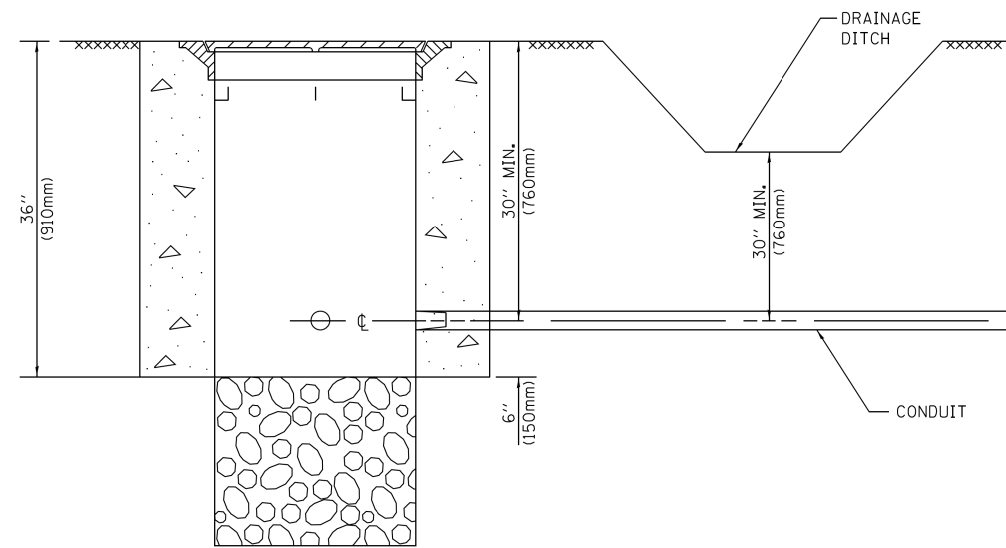
**DEPTH OF FOUNDATION**

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)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	24" (600mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and up to 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m) and up to 85' (25.9 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..

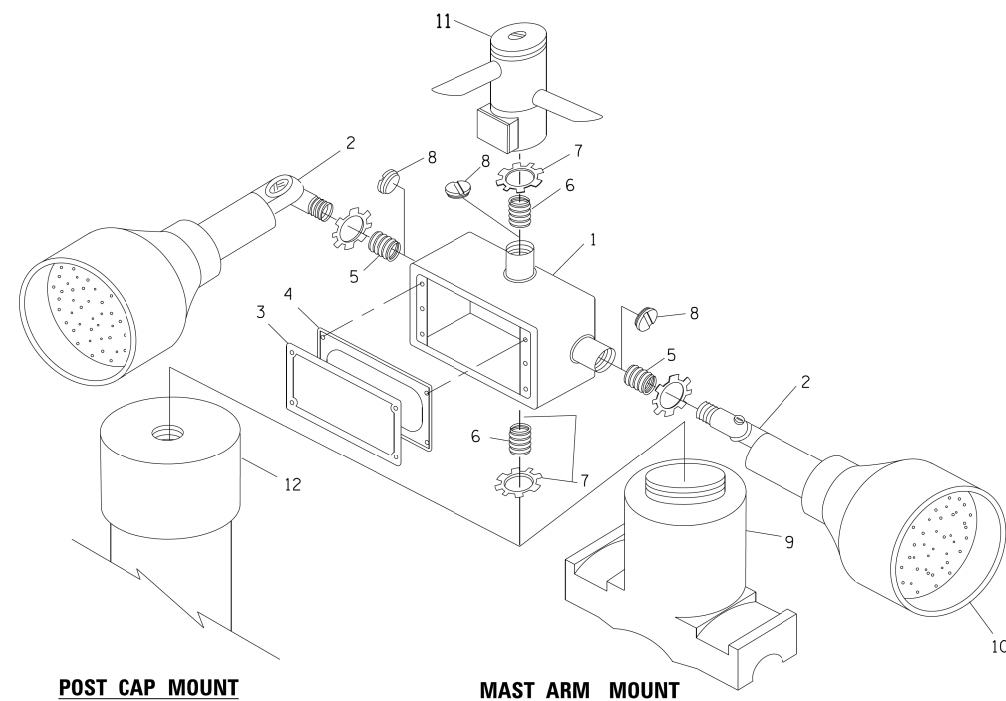
**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**



**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.

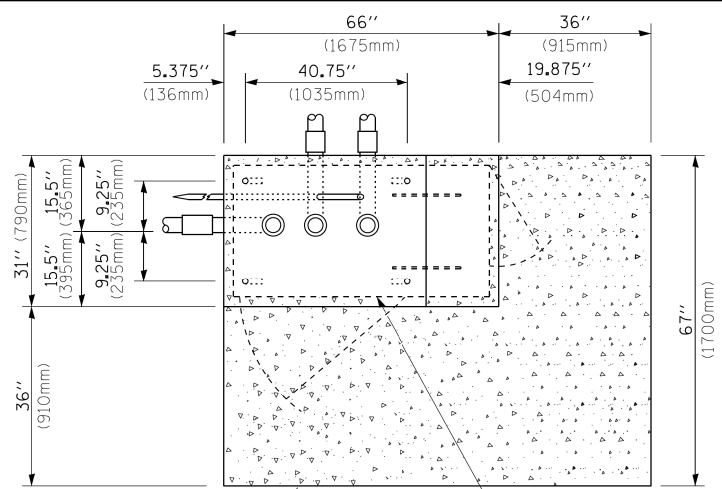
**HANDHOLE WITH MINIMUM CONDUIT DEPTH**  
(NOT TO SCALE)



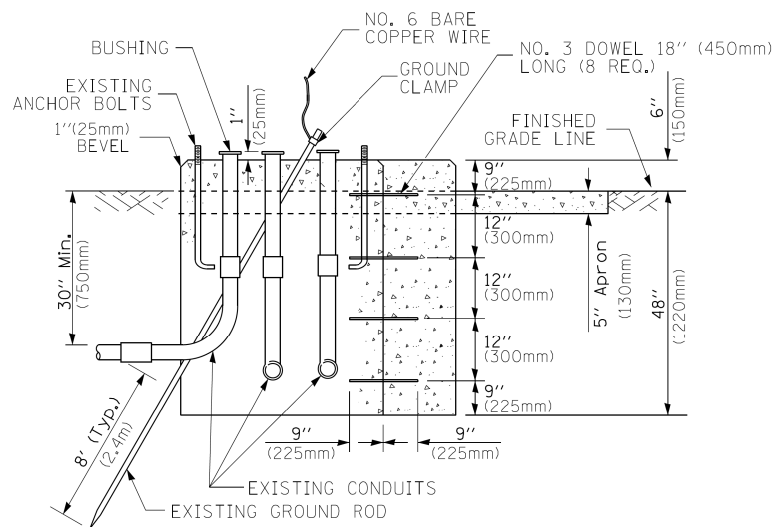
**POST CAP MOUNT**

**MAST ARM MOUNT**

**EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL**



**TOP VIEW**  
(NOT TO SCALE)

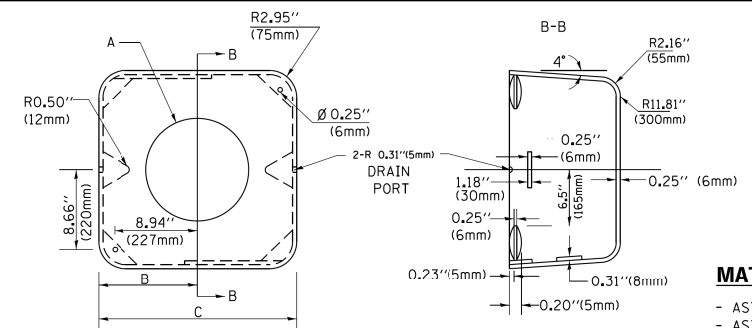


**MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION**  
(NOT TO SCALE)

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	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (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-0-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.



**MATERIAL:**  
- ASTM A36 STEEL  
- ASTM A-123 HOT DIPPED GALVANIZED

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

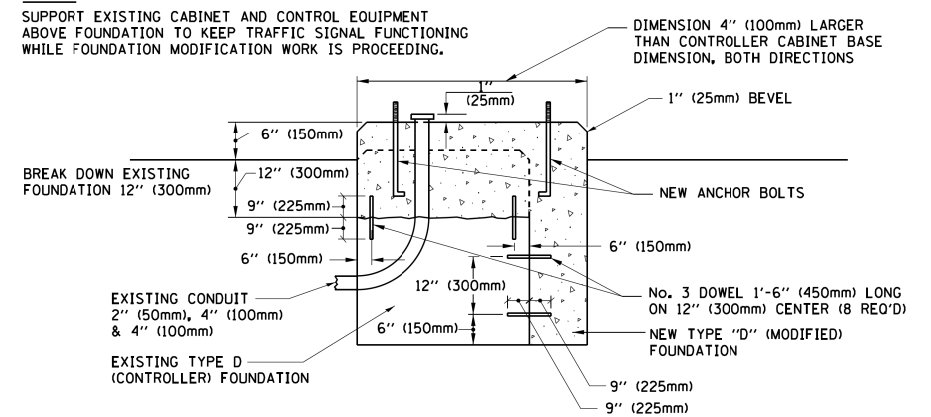
**SHROUD**

**NOTES:**

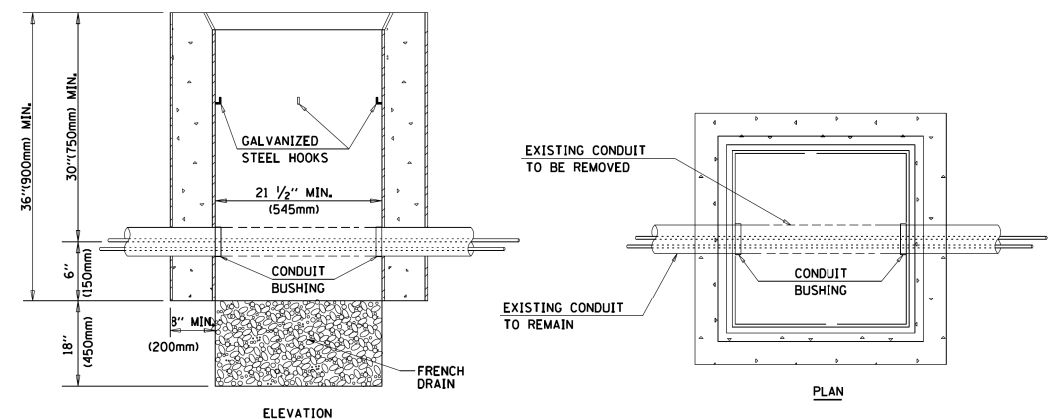
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

**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**



**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.

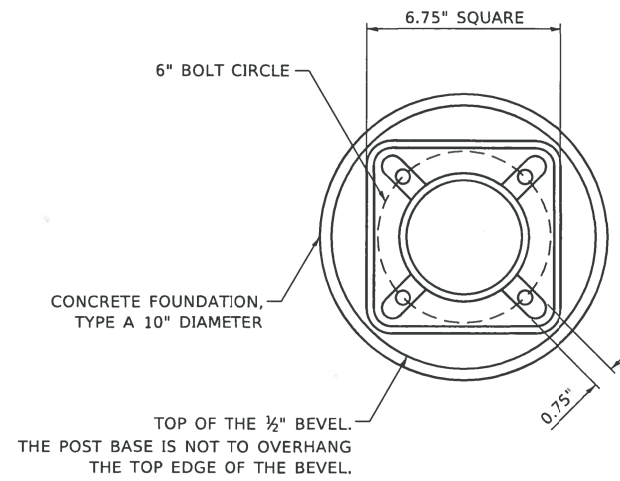
**HANDHOLE TO INTERCEPT EXISTING CONDUIT**

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	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

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

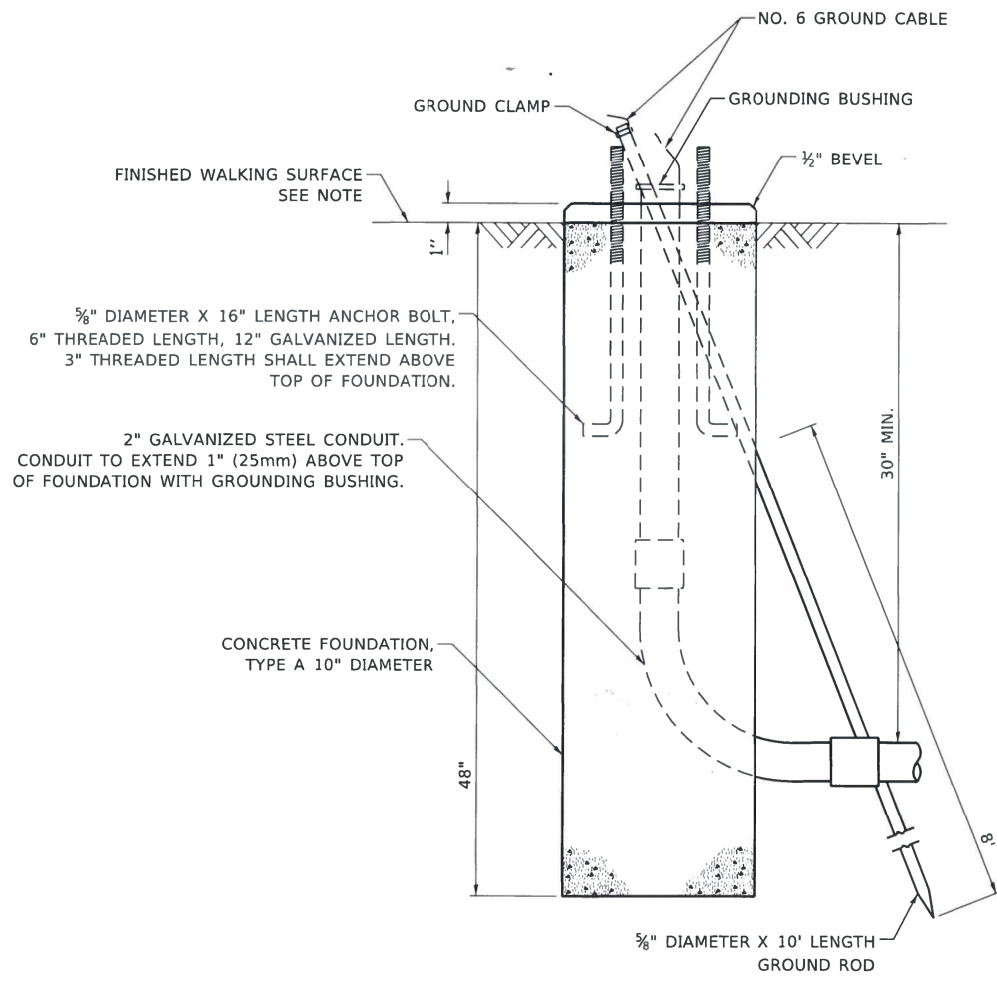
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STANDARD TRAFFIC SIGNAL DESIGN DETAILS			TS-05	COOK	73	48
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		TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



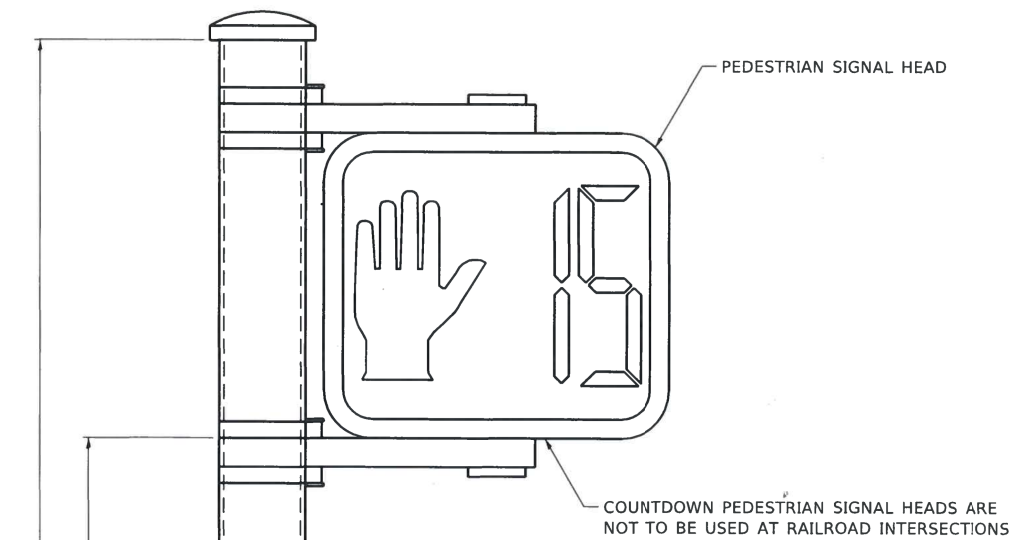


**BOLT PATTERN**

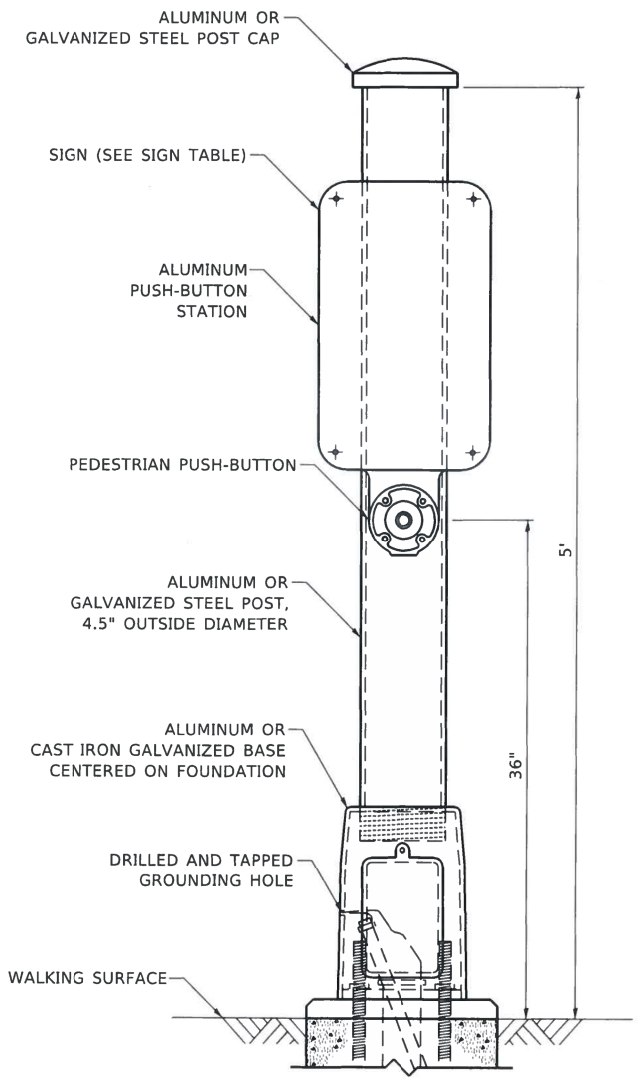
NOTE:  
 1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



**CONCRETE FOUNDATION, TYPE A 10-INCH DIAMETER**



**PEDESTRIAN SIGNAL POST, 10 FT.**



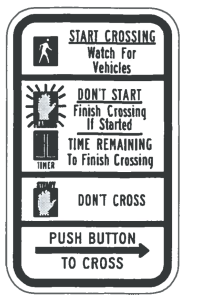
**PEDESTRIAN SIGNAL POST, 5 FT.**



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 15"

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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	DATE - 10/15/2018	REVISED -





**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

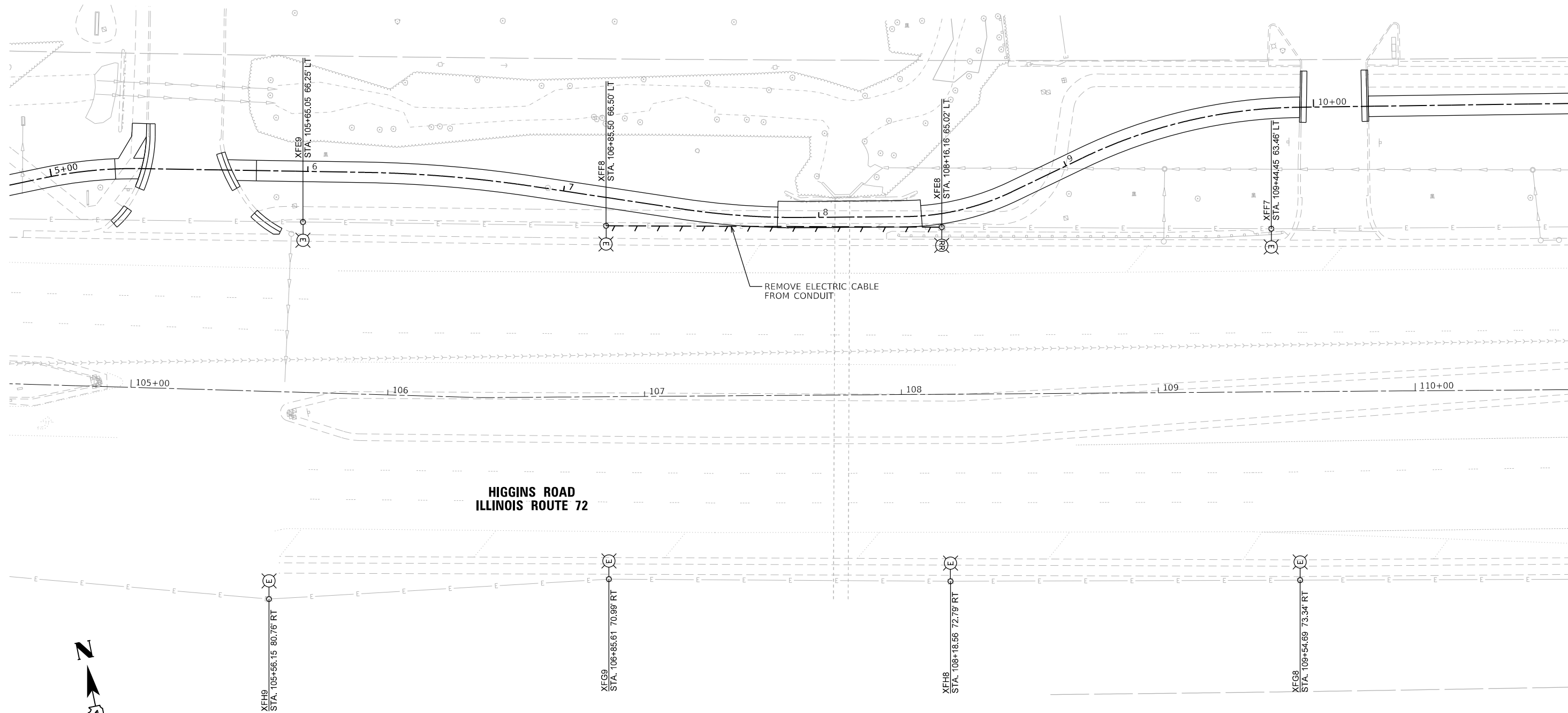
**DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NTS SHEET NO. 7 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	73	49
TS-05			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

**LEGEND**

-  EXISTING LIGHTING UNIT TO REMAIN
-  EXISTING LIGHTING UNIT TO BE RELOCATED  
REMOVE EXISTING LIGHT POLE FOUNDATION
-  EXISTING CONDUIT TO REMAIN
-  REMOVE EXISTING CABLE FROM UNIT DUCT  
UNIT DUCT TO BE ABANDONED



MODEL: Default  
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**V3** Companies  
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
www.v3co.com

USER NAME = bpendry  
PLOT SCALE = 40'  
PLOT DATE = 4/30/2020

DESIGNED - BNP  
DRAWN - DRP  
CHECKED - MJR  
DATE - 4/10/2020

REVISED -  
REVISED -  
REVISED -  
REVISED -






**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STREET LIGHTING REMOVAL PLAN**

SCALE: 1"=20'    SHEET 1 OF 1 SHEETS    STA. 5+00.00    TO STA. 11+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT			IU2G(914)	

**LEGEND**

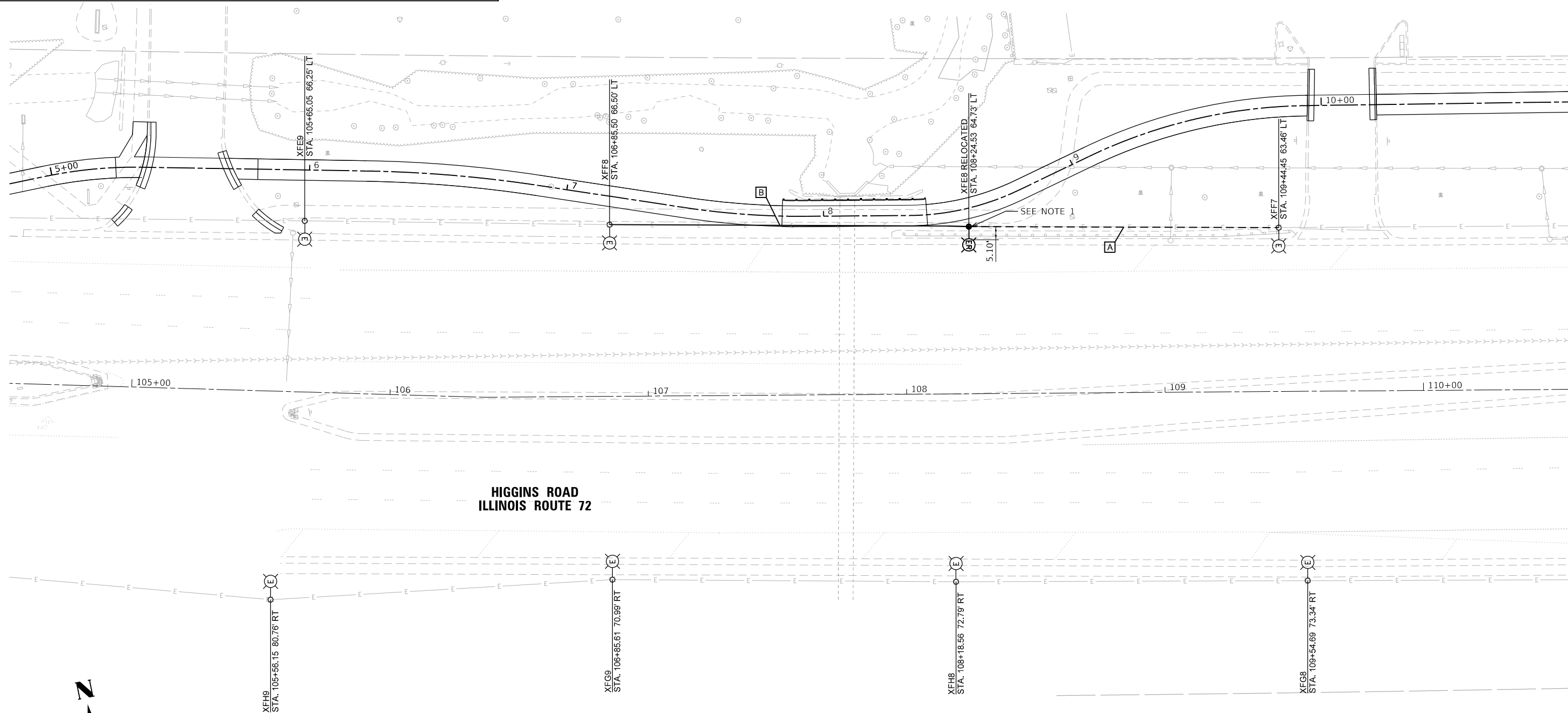
-  EXISTING RELOCATED LIGHTING UNIT LIGHT POLE FOUNDATION, 24"
-  EXISTING LIGHTING UNIT TO REMAIN
-  EXISTING CONDUIT TO REMAIN
-  EXISTING UNIT DUCT (SEE CONDUIT AND CABLE LEGEND)
-  UNIT DUCT (SEE CONDUIT AND CABLE LEGEND)

**CONDUIT AND CABLE LEGEND**

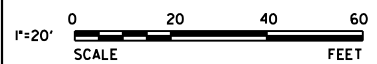
- A** REUSE EXISTING UNIT DUCT, 3-1/C NO.4 AND 1/C NO. 6 GROUND
- B** PROPOSED UNIT DUCT, 3-1/C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE

**NOTES**

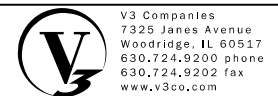
1. INTERCEPT AND ROUTE EXISTING UNIT DUCT TO PROPOSED LIGHT POLE LOCATION AND RECONNECT. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF RELOCATING THE EXISTING LIGHTING UNIT.
2. CONTRACTOR TO COORDINATE PROPOSED WORK SO THAT THE EXISTING LIGHTING UNIT CAN BE RELOCATED IN ONE DAY. AT NO TIME SHALL THE ROADWAY BE LEFT UNLIT.
3. CONTRACTOR TO PROVIDE NEW FUSE KITS FOR EACH LIGHT POLE AFFECTED BY THE EXISTING LIGHTING UNIT RELOCATION.



**HIGGINS ROAD  
ILLINOIS ROUTE 72**



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	DATE - 4/10/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

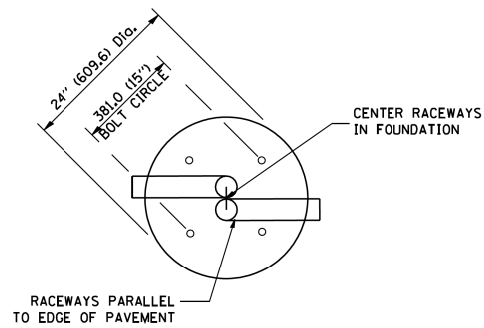
**STREET LIGHTING PLAN**

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 5+00.00 TO STA. 11+00.00

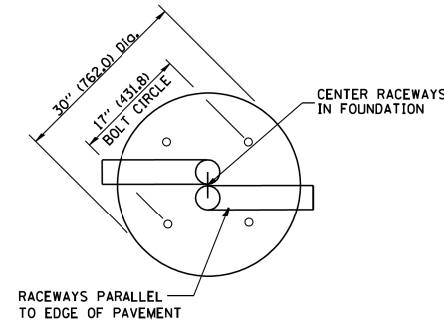
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	51
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT			IU2G(914)	

**LIGHT POLE FOUNDATION DEPTH TABLE**  
**40 FT. (12.192 m) TO 47.5 FT. (14.478 m) MOUNTING HEIGHT**

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY O <sub>u</sub> = 0.375 TON/SO. FT.	13'-0" (3.96 m)	15'-0" (4.57 m)
MEDIUM CLAY O <sub>u</sub> = 0.75 TON/SO.FT	9'-6" (2.93 m)	10'-9" (3.23 m)
STIFF CLAY O <sub>u</sub> = 1.50 TON/SO. FT.	7'-0" (2.13 m)	8'-0" (2.44 m)
LOOSE SAND φ = 34°	9'-0" (2.74 m)	10'-0" (3.05 m)
MEDIUM SAND φ = 37.5°	8'-3" (2.52 m)	9'-0" (2.74 m)
DENSE SAND φ = 40°	7'-9" (2.36 m)	7'-9" (2.36 m)



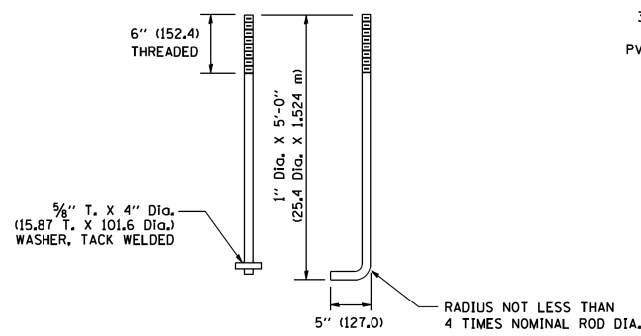
**TOP VIEW**



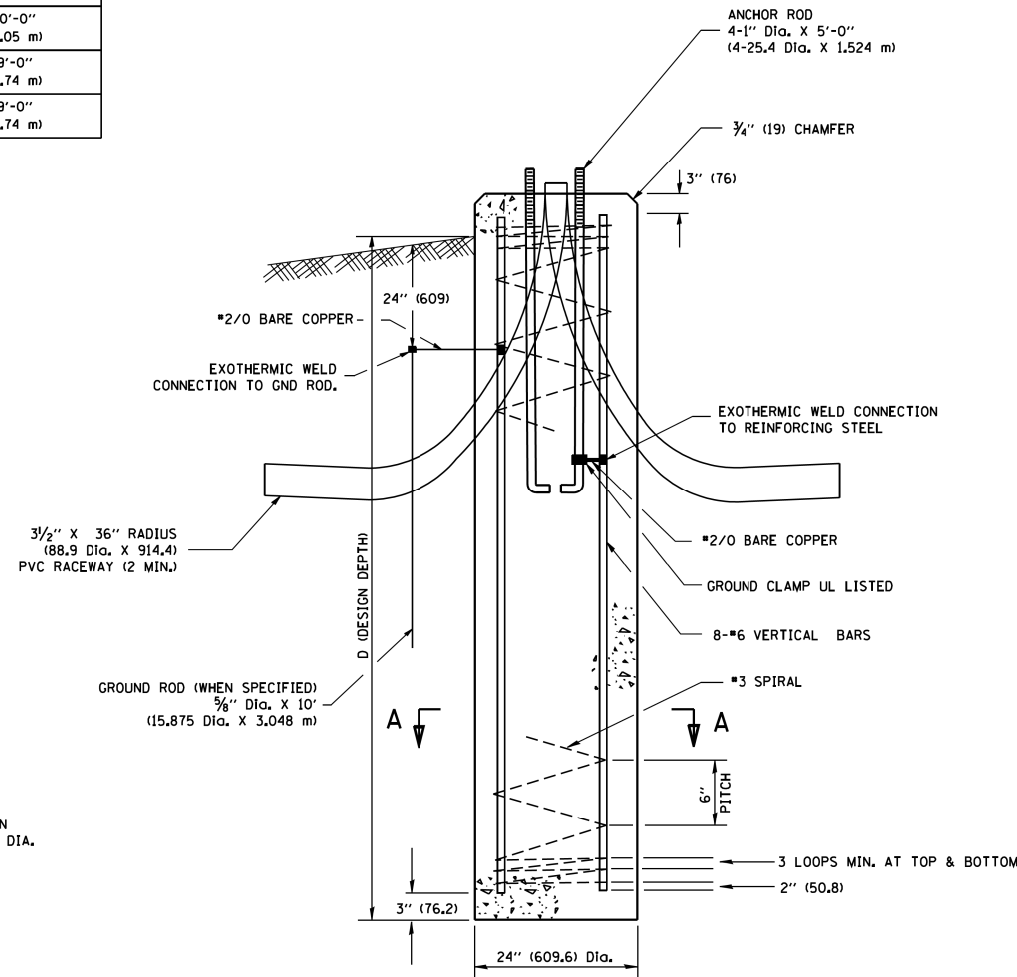
**TOP VIEW**

**NOTES**

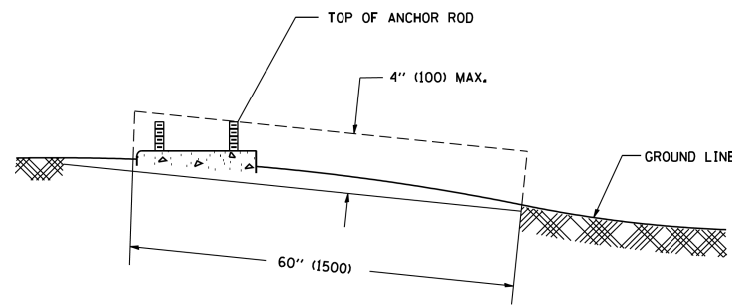
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION,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



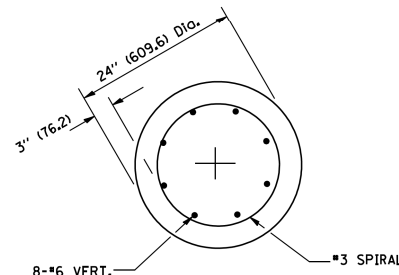
**ANCHOR ROD DETAIL**



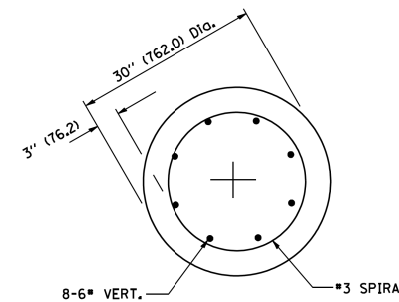
**FOUNDATION DETAIL**



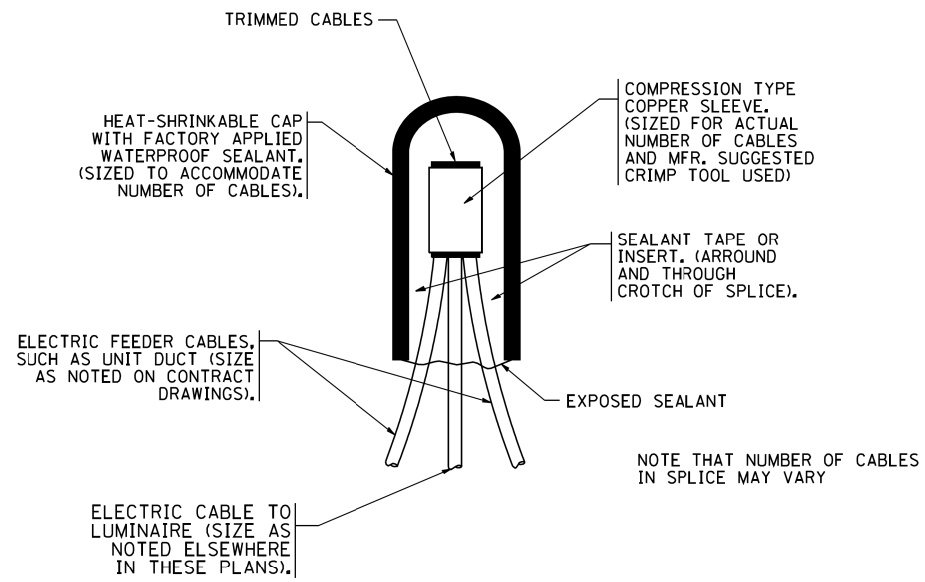
**FOUNDATION EXTENSION DETAIL**



**SECTION A-A**

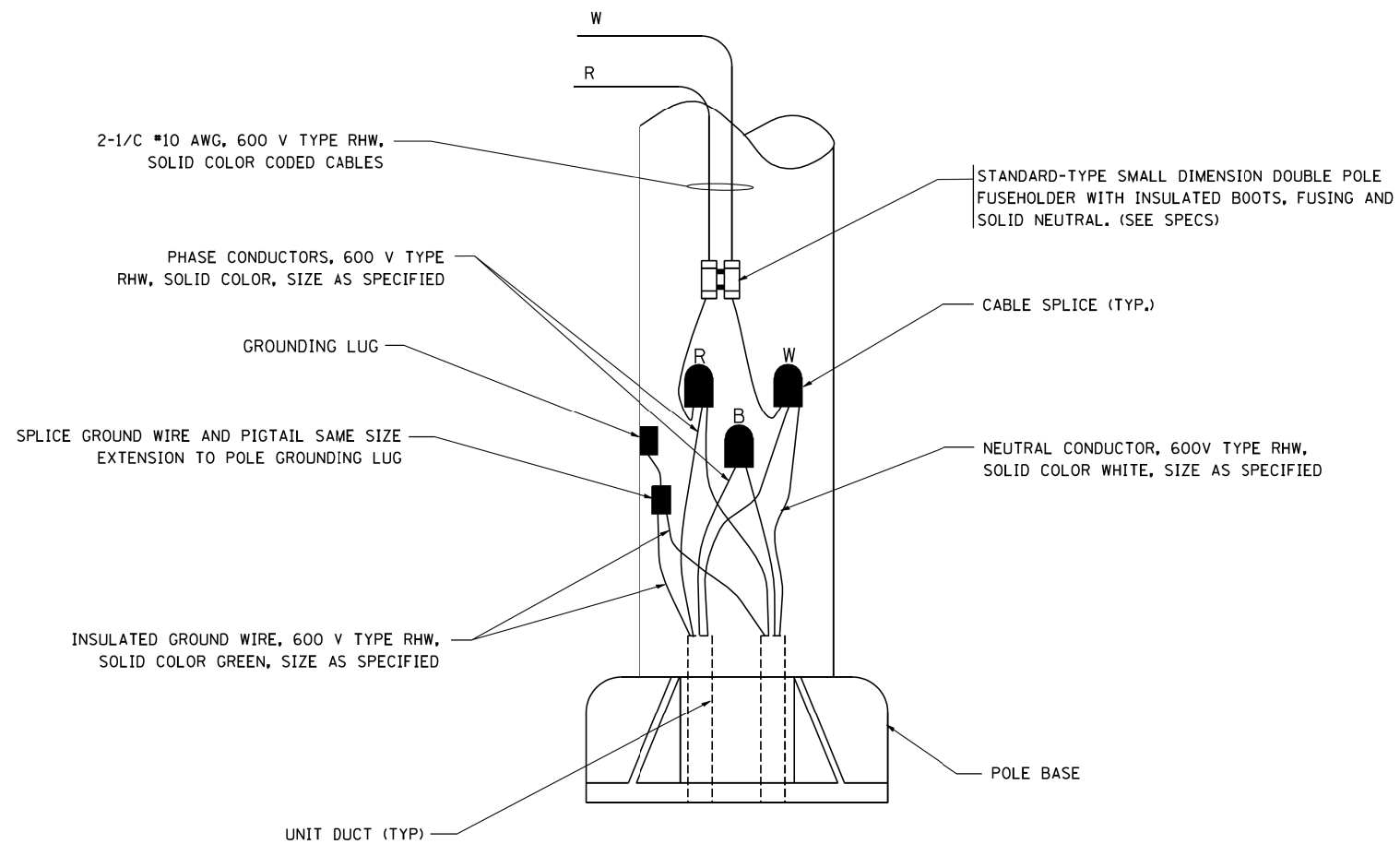


**SECTION A-A**



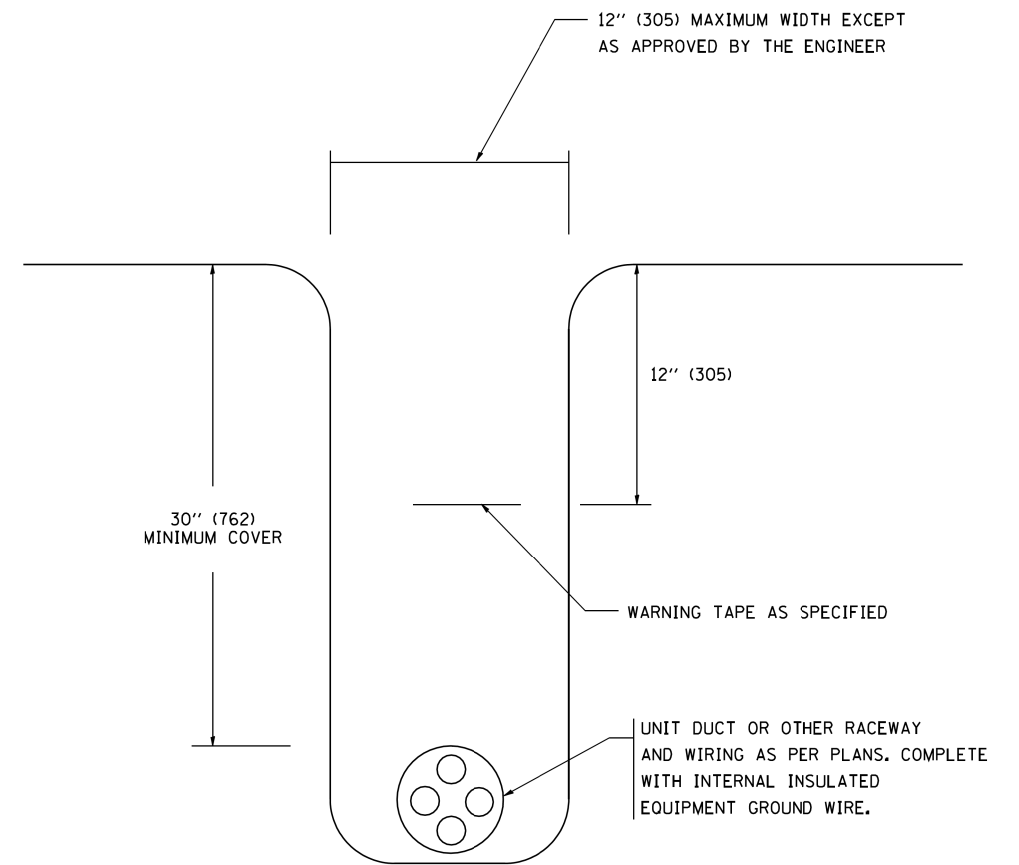
**TYPICAL SPLICE DETAIL**

N.T.S.



**POLE WIRING DETAIL**

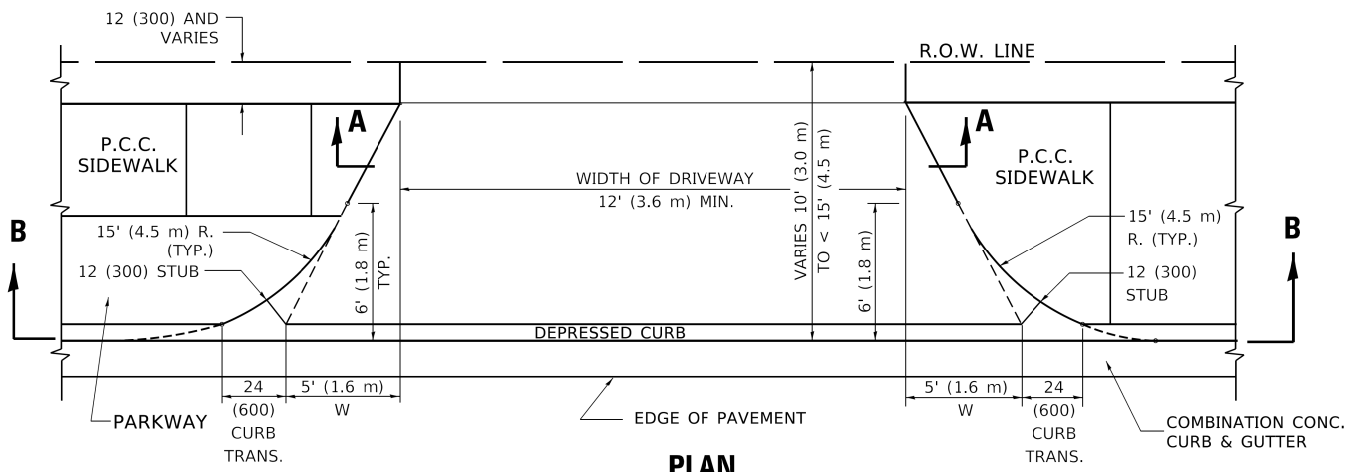
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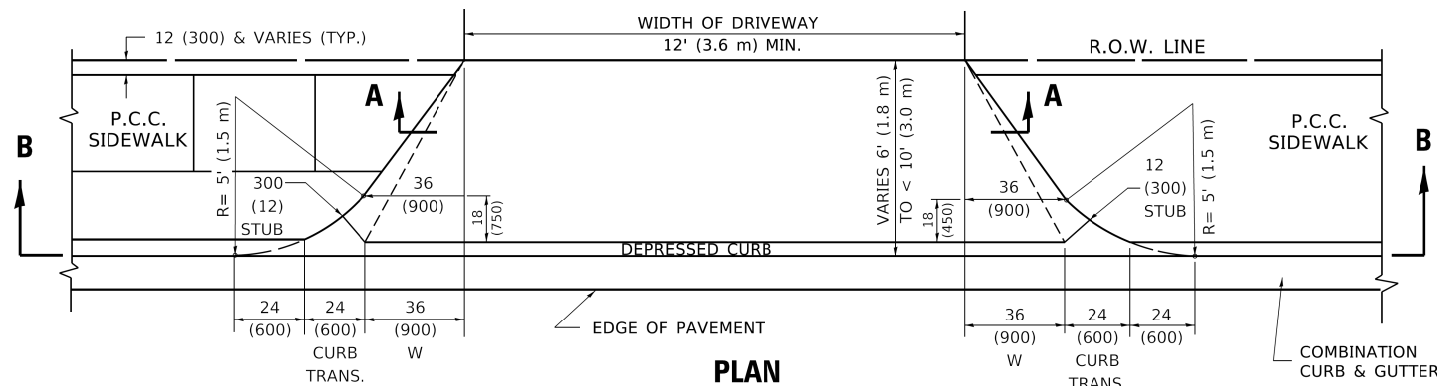
**TYPICAL WIRING IN TRENCH DETAIL**

N.T.S.

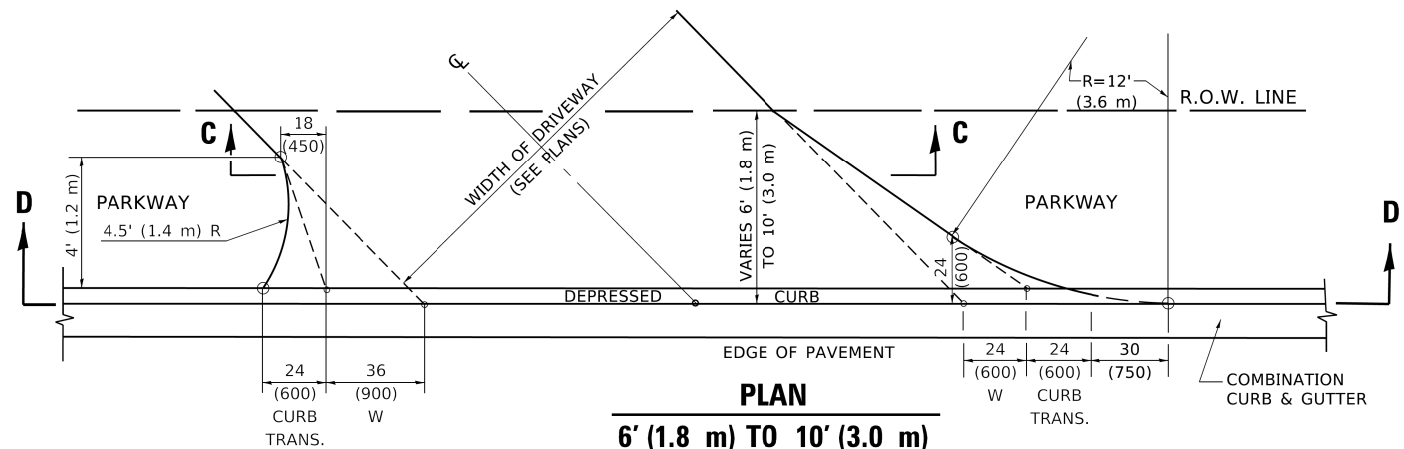
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		DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	COOK	73	53	
		CHECKED -	REVISED -		<b>BE-702</b>		<b>CONTRACT NO.</b>		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			
		DATE -	REVISED -									



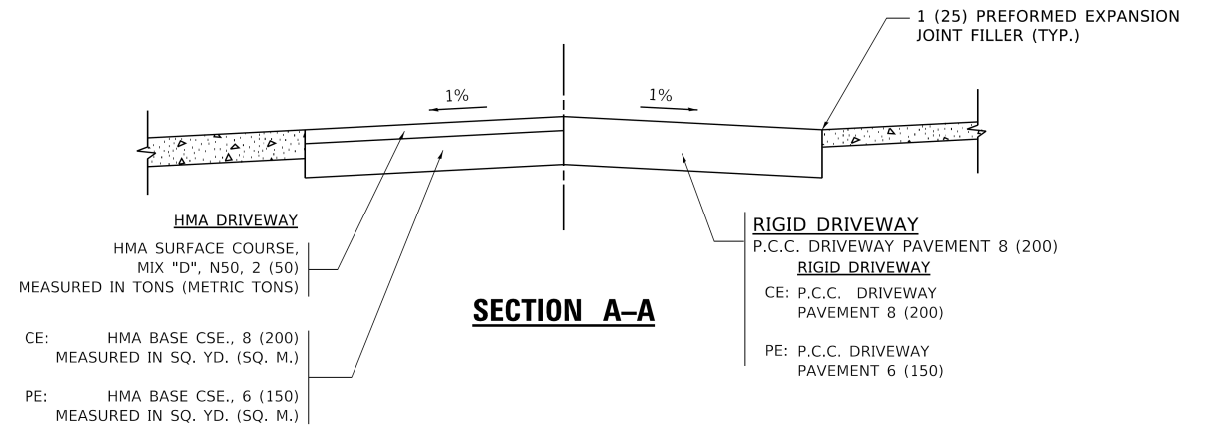
**PLAN**  
10' (3.0 m) TO < 15' (4.5 m)



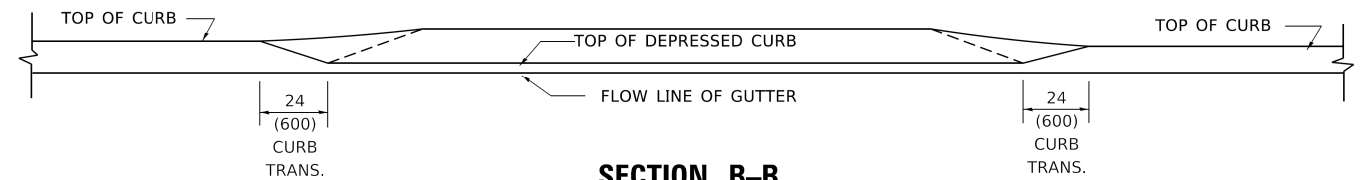
**PLAN**  
6' (1.8 m) TO < 10' (3.0 m)



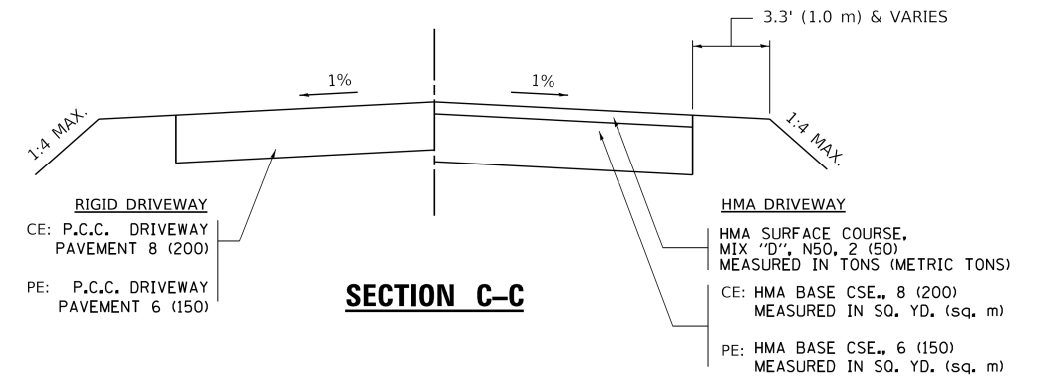
**PLAN**  
6' (1.8 m) TO 10' (3.0 m)



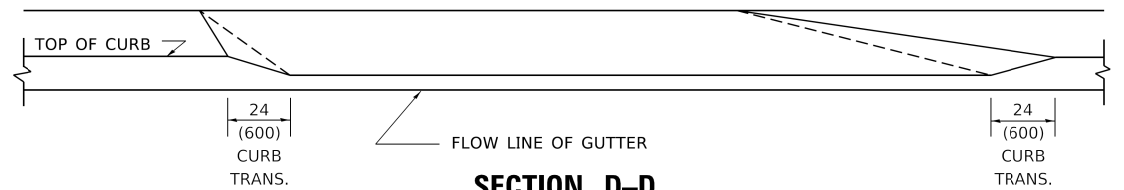
**SECTION A-A**



**SECTION B-B**



**SECTION C-C**



**SECTION D-D**

**GENERAL NOTES**

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

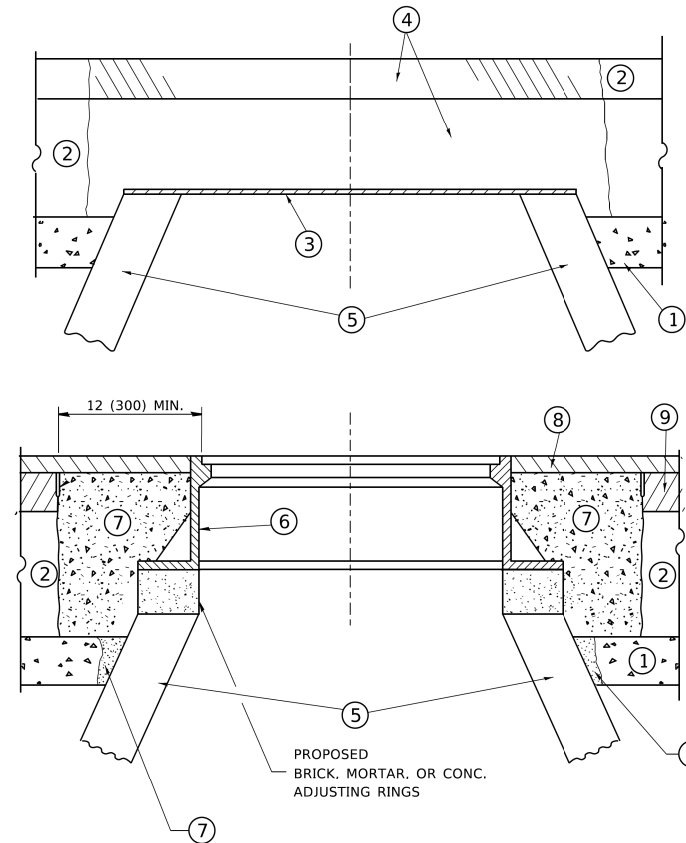
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY DETAILS  
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BD400-02 (BD-02)	COOK	73	54
ILLINOIS FED. AID PROJECT			CONTRACT NO.	

USER NAME = footemj	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
PLOT SCALE = 50.0000' / ft.	DRAWN - P. LoFLUER 04-15-03	REVISED - P. LoFLUER 04-15-03
PLOT DATE = 3/27/2019	CHECKED -	REVISED - R. BORO 01-01-07
	DATE - 11-06-95	REVISED - R. BORO 09-06-11



**NOTES**

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

**STAGE 2 (AFTER PAVEMENT MILLING)**

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1 \* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

\* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

**LEGEND**

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

**LOCATION OF STRUCTURES**

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

**BASIS OF PAYMENT**

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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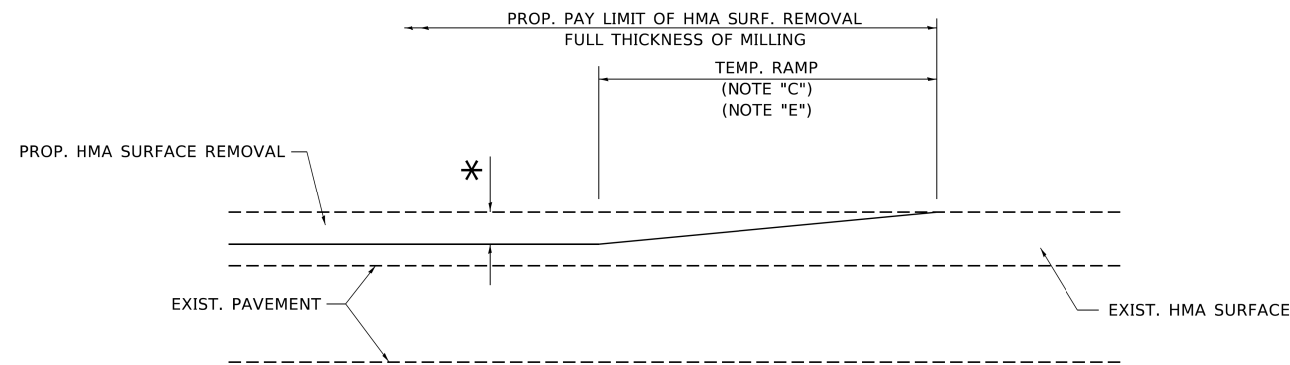
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	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 50.0000 ' / ft.	CHECKED -	REVISED - R. BORO 03-09-11
PLOT DATE = 3/27/2019	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

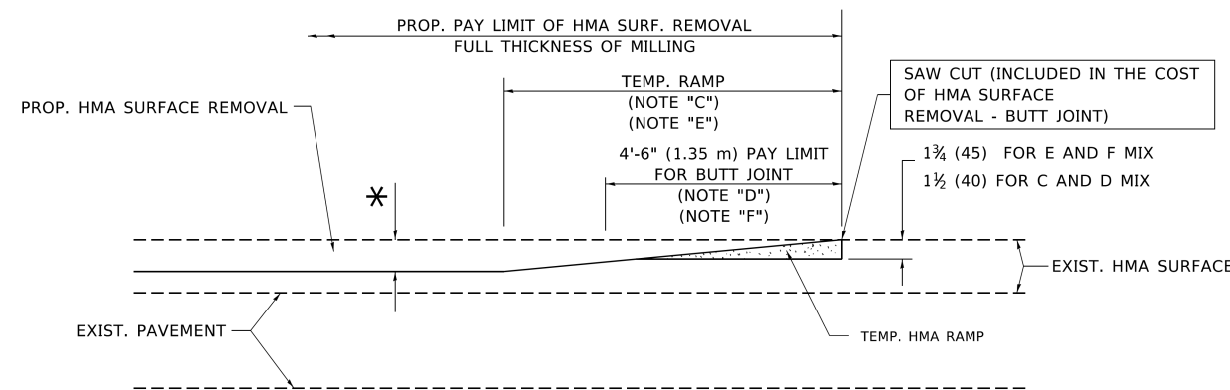
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	73	55
<b>BD600-03 (BD-8)</b>		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		



**MILLED TEMPORARY RAMP**

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 1**

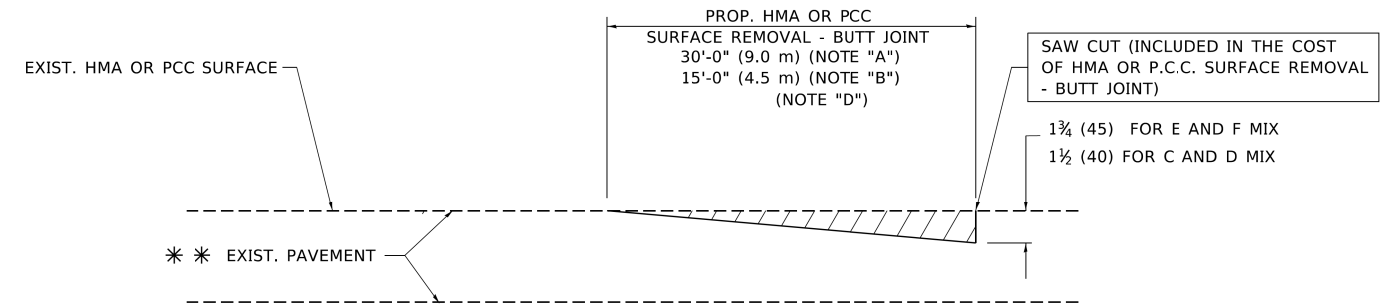


**HMA CONSTRUCTED TEMPORARY RAMP**

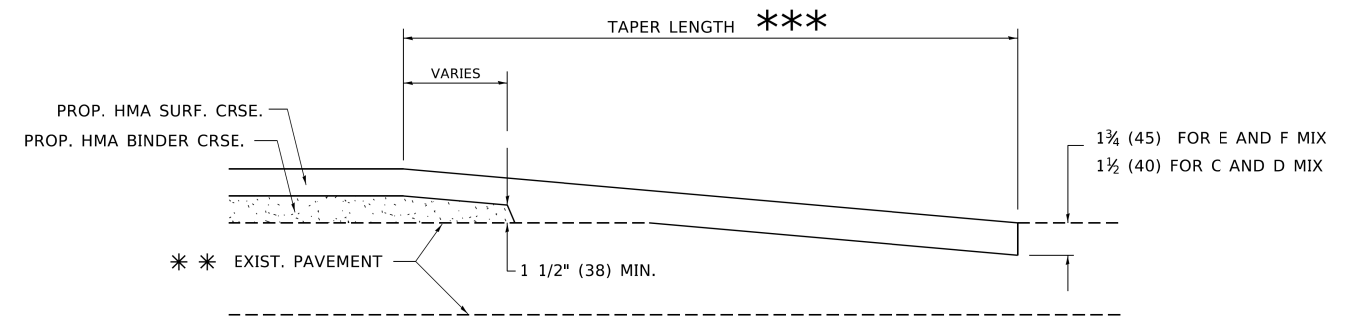
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

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

\*\*\* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

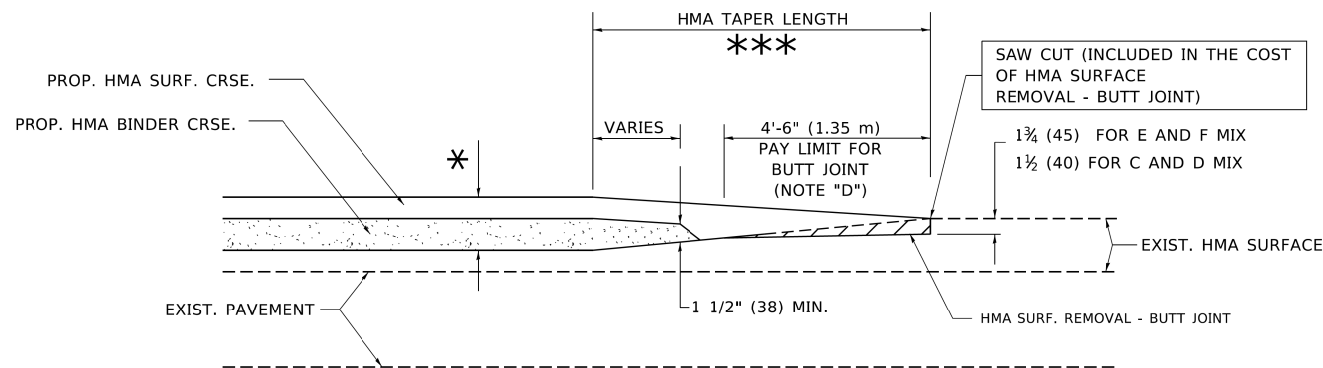
**NOTES**

- A. MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F. INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT.  
\* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- G. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".  
\*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**BASIS OF PAYMENT**

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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



**BUTT JOINT AND HMA TAPER**

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

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USER NAME = footemj	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
	DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - M. GOMEZ 04-06-01
PLOT DATE = 3/27/2019	DATE - 06-13-90	REVISED - R.BORO 01-01-07

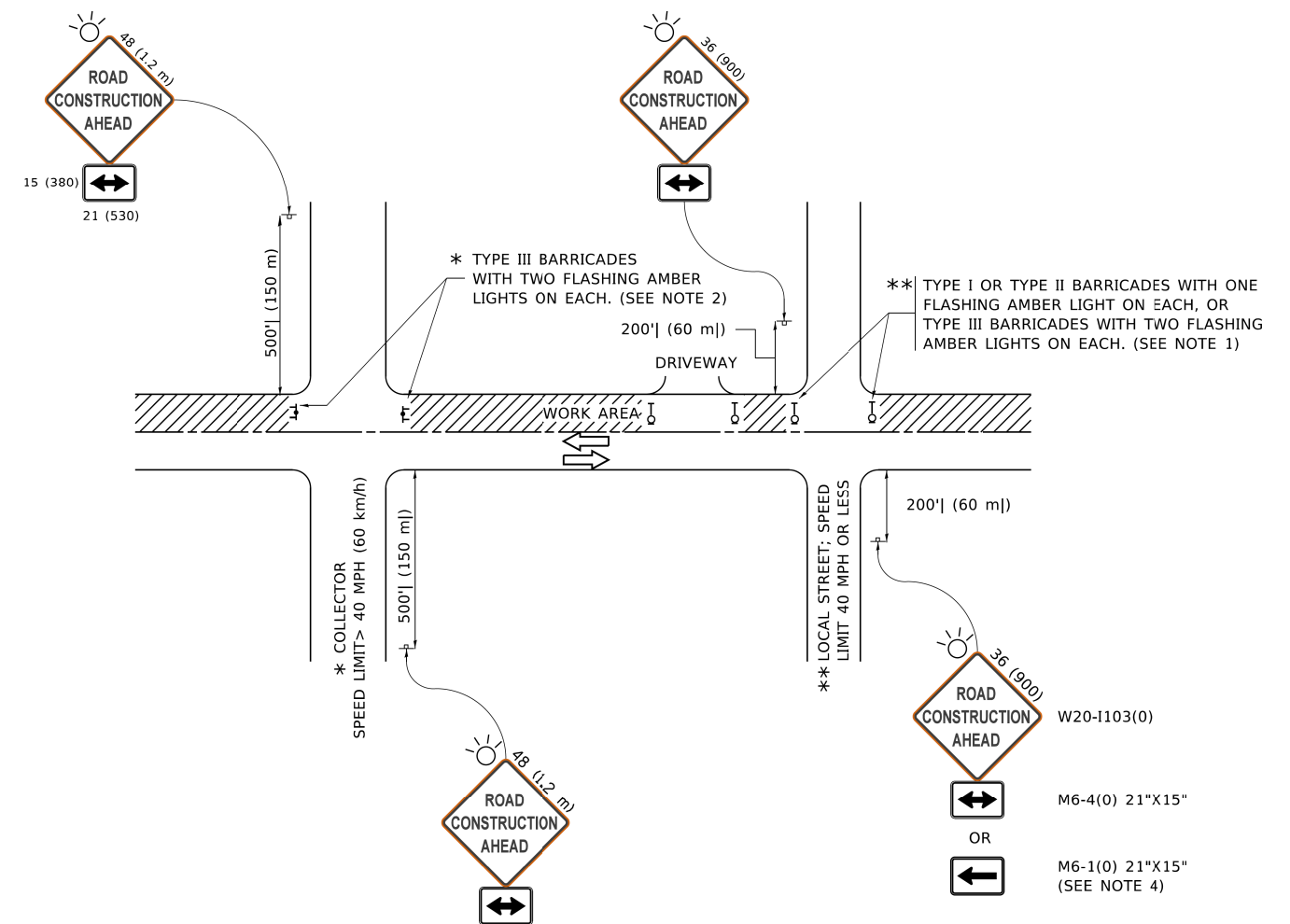
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND  
HMA TAPER DETAILS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BD400-05 BD32	COOK	73	56
		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				





**NOTES:**

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

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

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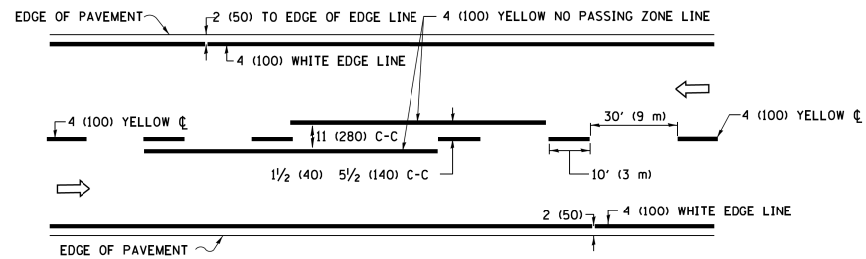
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PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

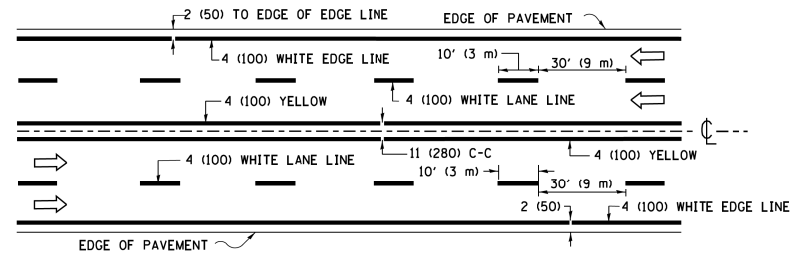
**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

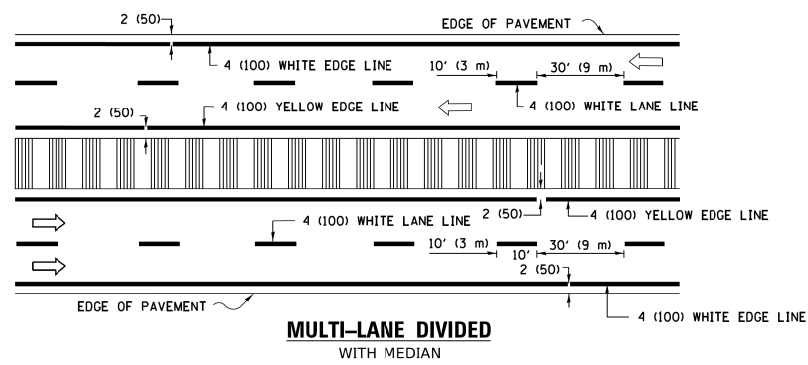
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	73	57
<b>TC-10</b>			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**

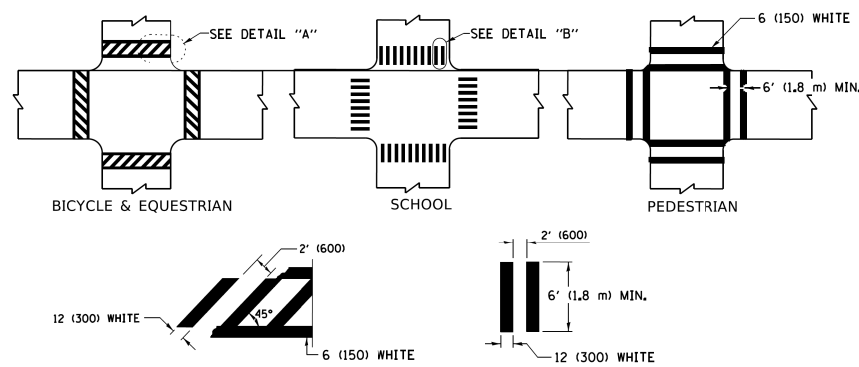


**MULTI-LANE UNDIVIDED**



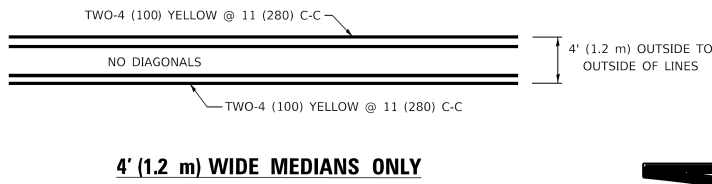
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

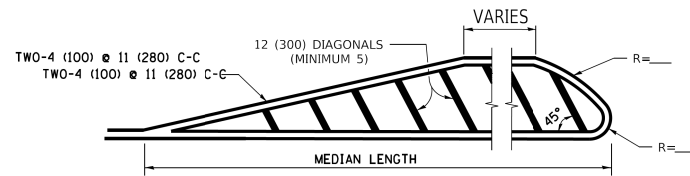


**TYPICAL CROSSWALK MARKING**

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

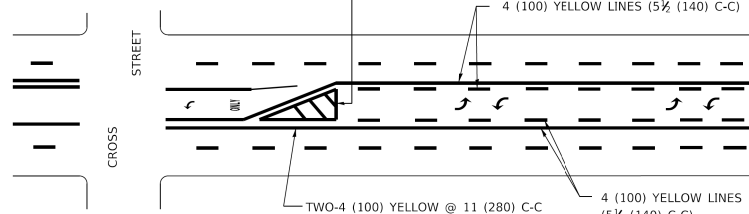


**4' (1.2 m) WIDE MEDIANS ONLY**



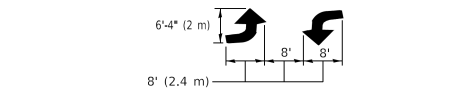
**MEDIANS OVER 4' (1.2 m) WIDE**

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



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

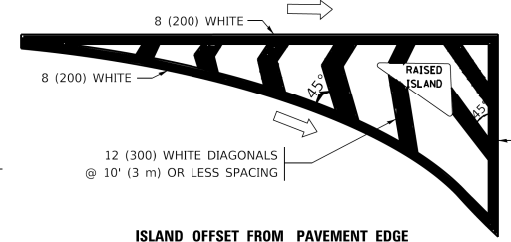
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



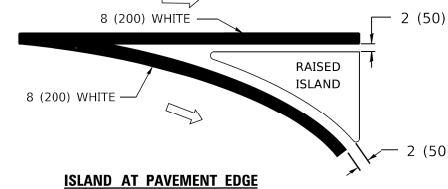
**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

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

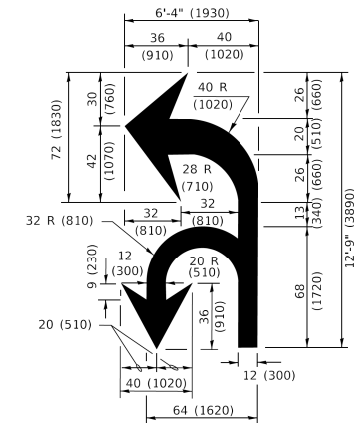


**ISLAND OFFSET FROM PAVEMENT EDGE**

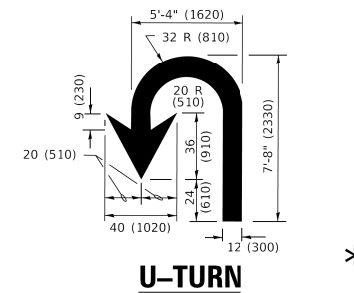


**ISLAND AT PAVEMENT EDGE**

**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

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

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

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

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

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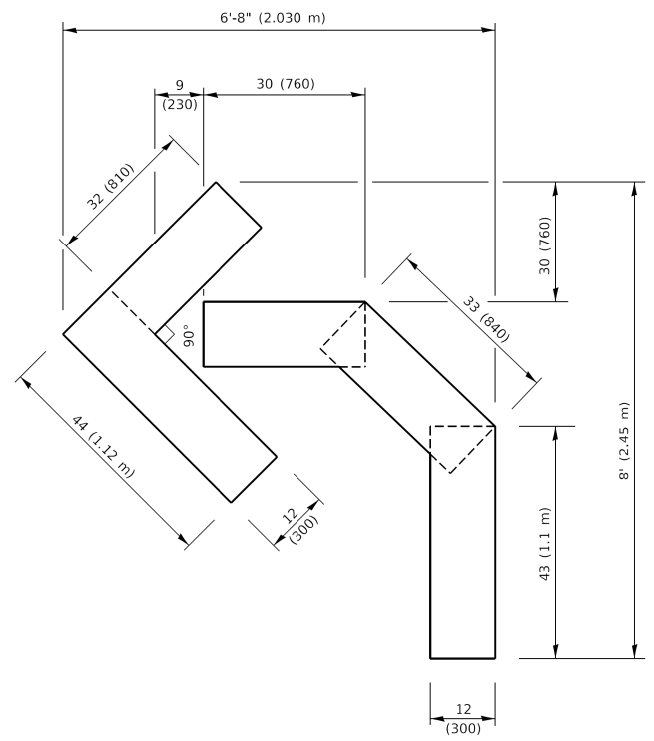
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS**

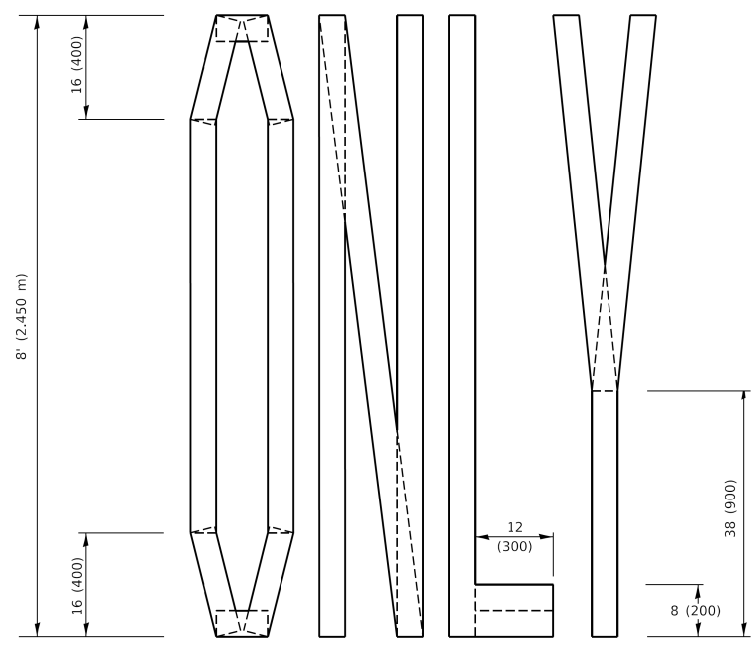
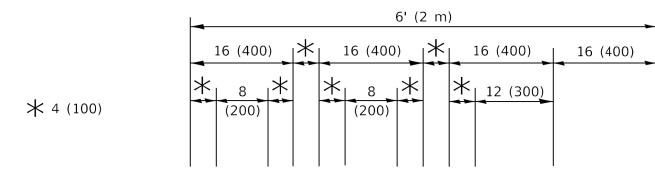
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-13	COOK	73	58
ILLINOIS FED. AID PROJECT			CONTRACT NO.	



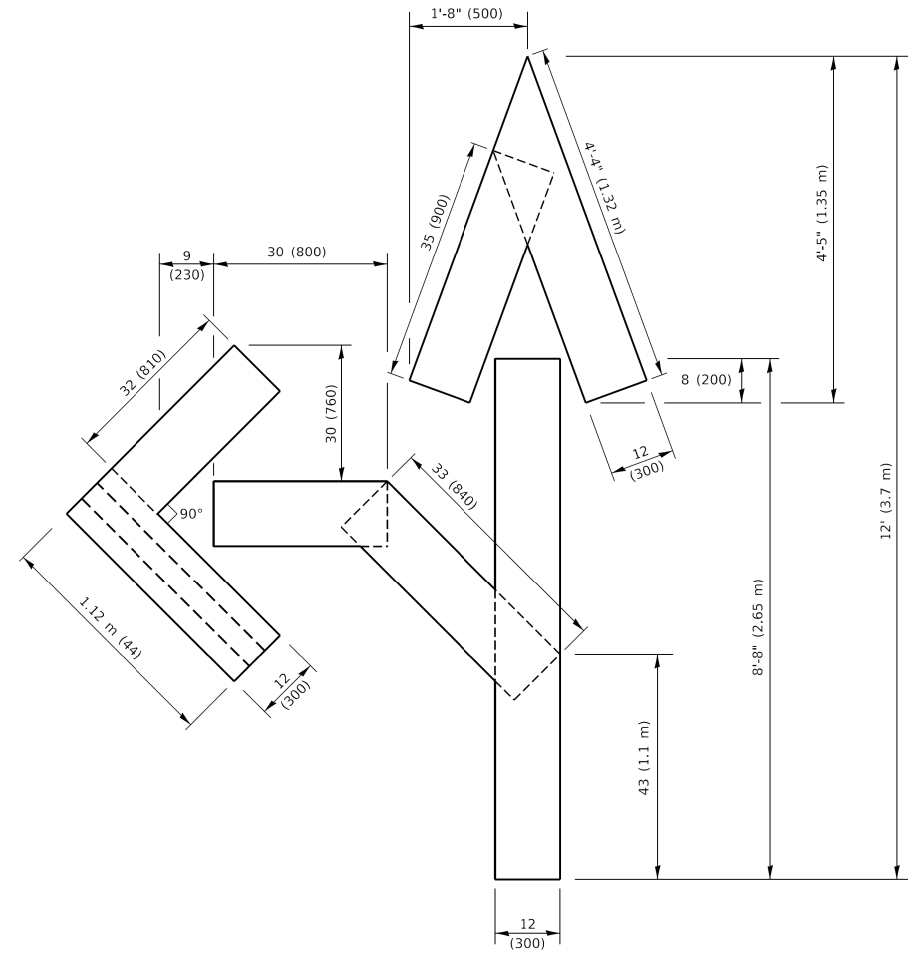
**QUANTITY**

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)

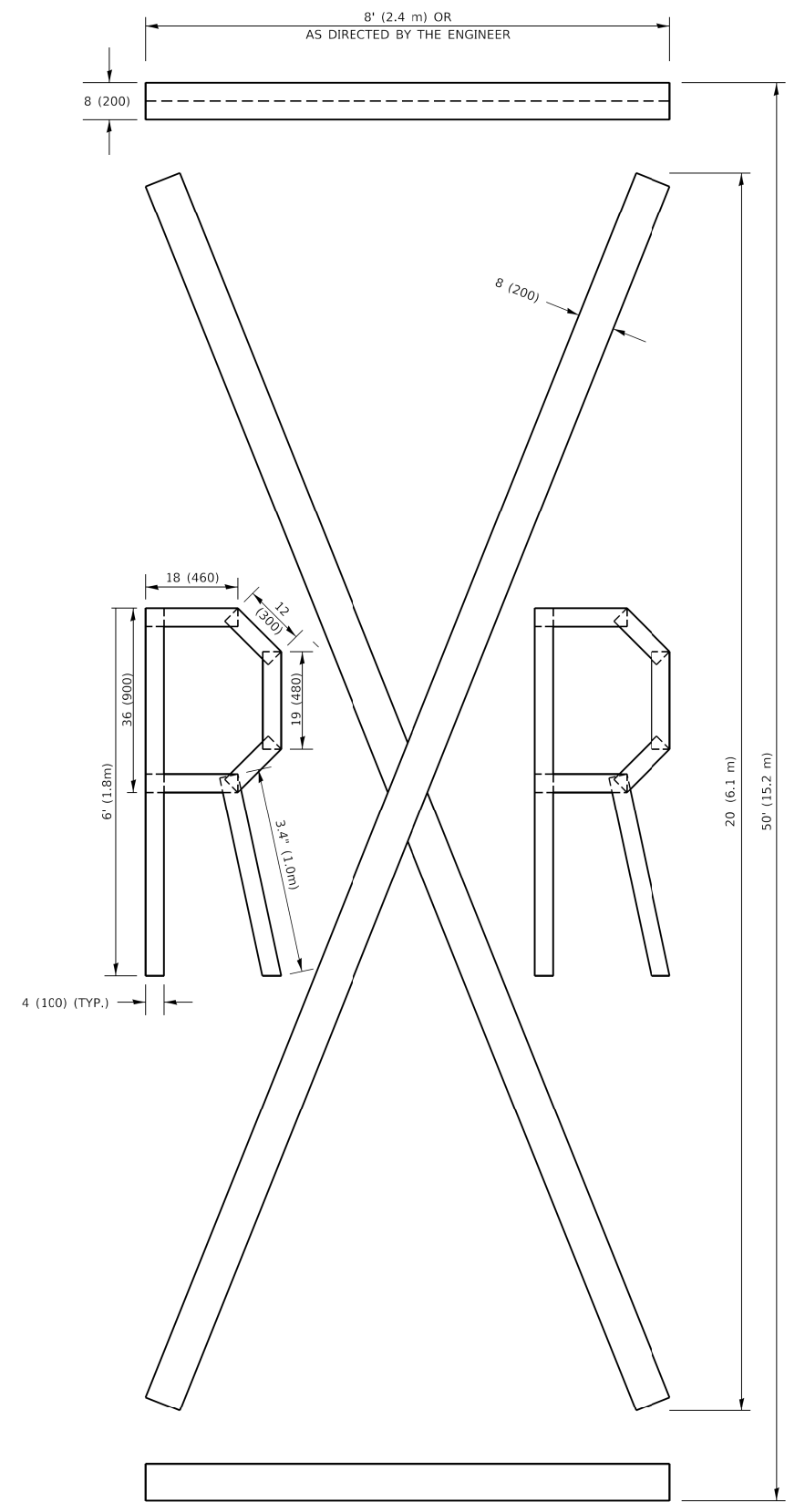


**QUANTITY**

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.

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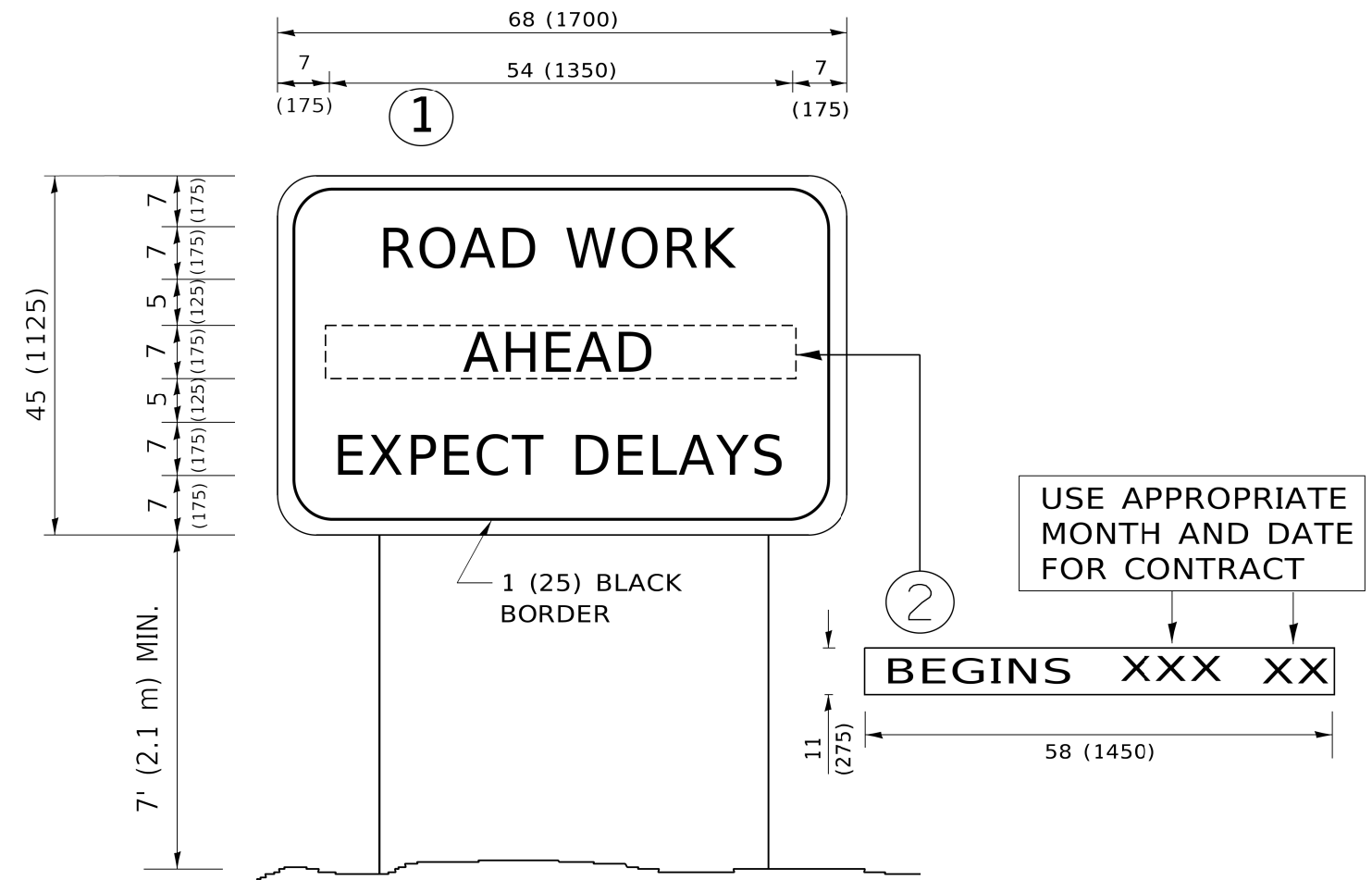
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PLOT DATE = 3/4/2019	CHECKED -	REVISED - E. GOMEZ 08-28-00
	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-16	COOK	73	59
ILLINOIS FED. AID PROJECT			CONTRACT NO.	



**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.

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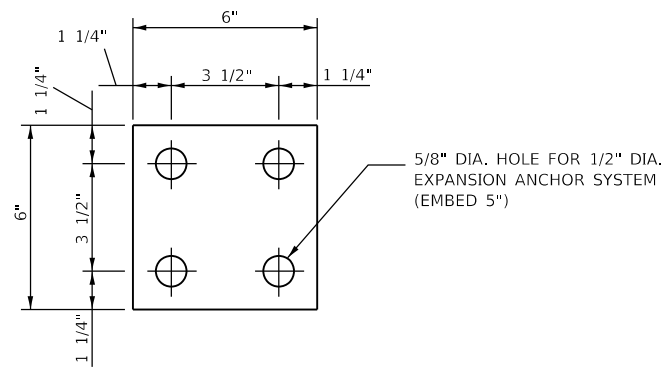
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PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

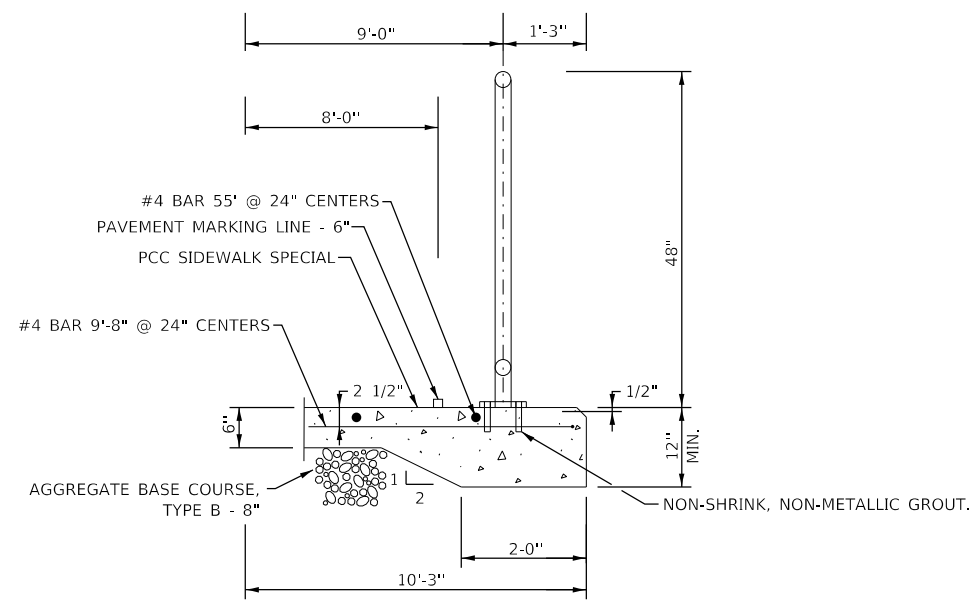
**ARTERIAL ROAD  
INFORMATION SIGN**

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

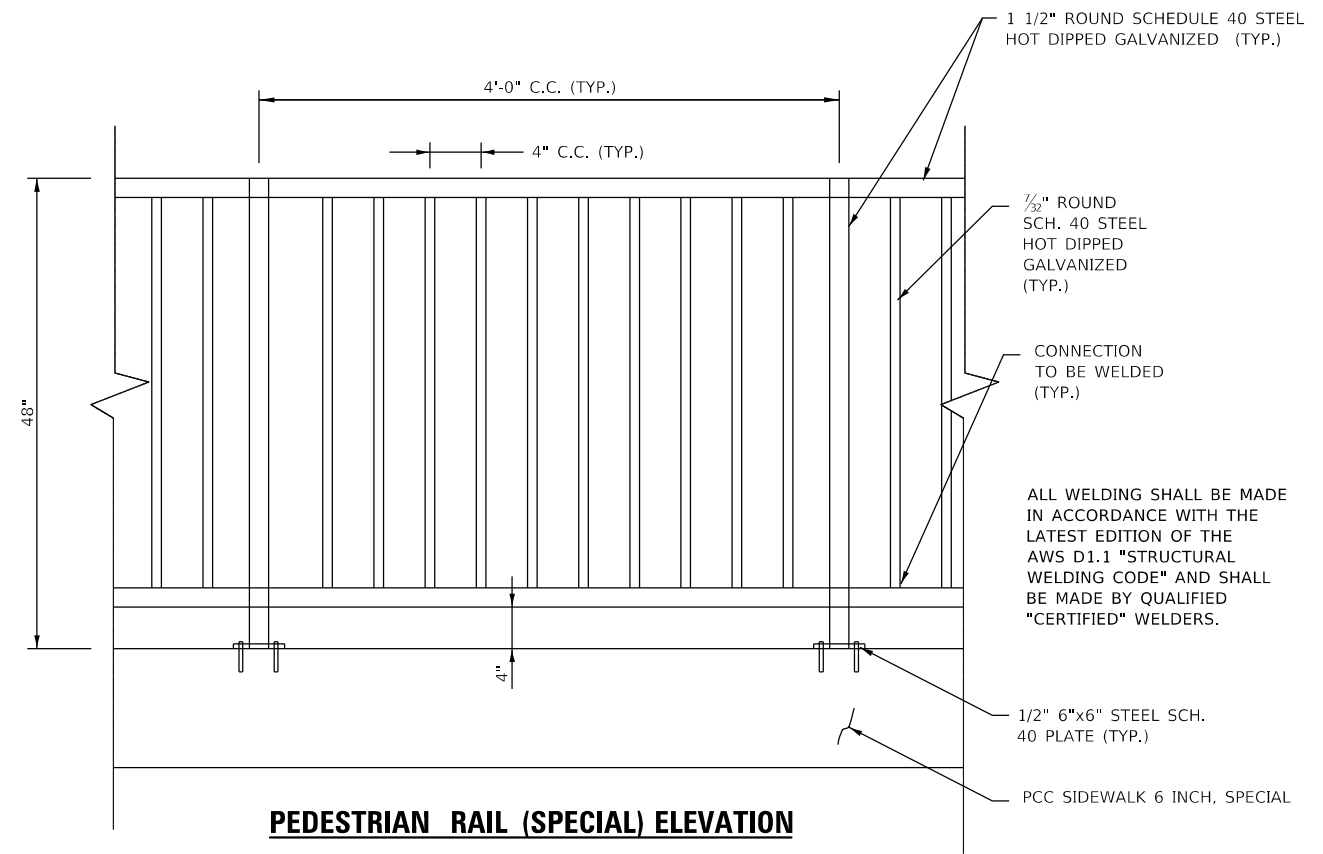
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	73	60
<b>TC-22</b>		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				



**BASE PLATE DETAIL  
FOR METAL RAILING**  
NTS



**PCC SIDEWALK SPECIAL WITH PEDESTRIAN RAIL (SPECIAL)**  
NTS



**PEDESTRIAN RAIL (SPECIAL) ELEVATION**  
NTS

**NOTES**

ALL POST, RAILING, SPLICES, AND BENT PLATES SHALL BE PAINTED USING ORGANIC ZINC RICH PAINT SYSTEM. THE COLOR OF THE FINAL FINISH SHALL BE MATTE BLACK.

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V3 Companies  
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
www.v3co.com

USER NAME = bpendry	DESIGNED - BNP	REVISED -
PLOT SCALE = 100'	DRAWN - DRP	REVISED -
PLOT DATE = 4/30/2020	CHECKED - MJR	REVISED -
	DATE - 4/10/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION DETAILS**

SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	61
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT				IJ2G(914)

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USER NAME = bpendry  
 PLOT SCALE = 20'  
 PLOT DATE = 4/30/2020

DESIGNED - BNP  
 DRAWN - DRP  
 CHECKED - MJR  
 DATE - 4/10/2020

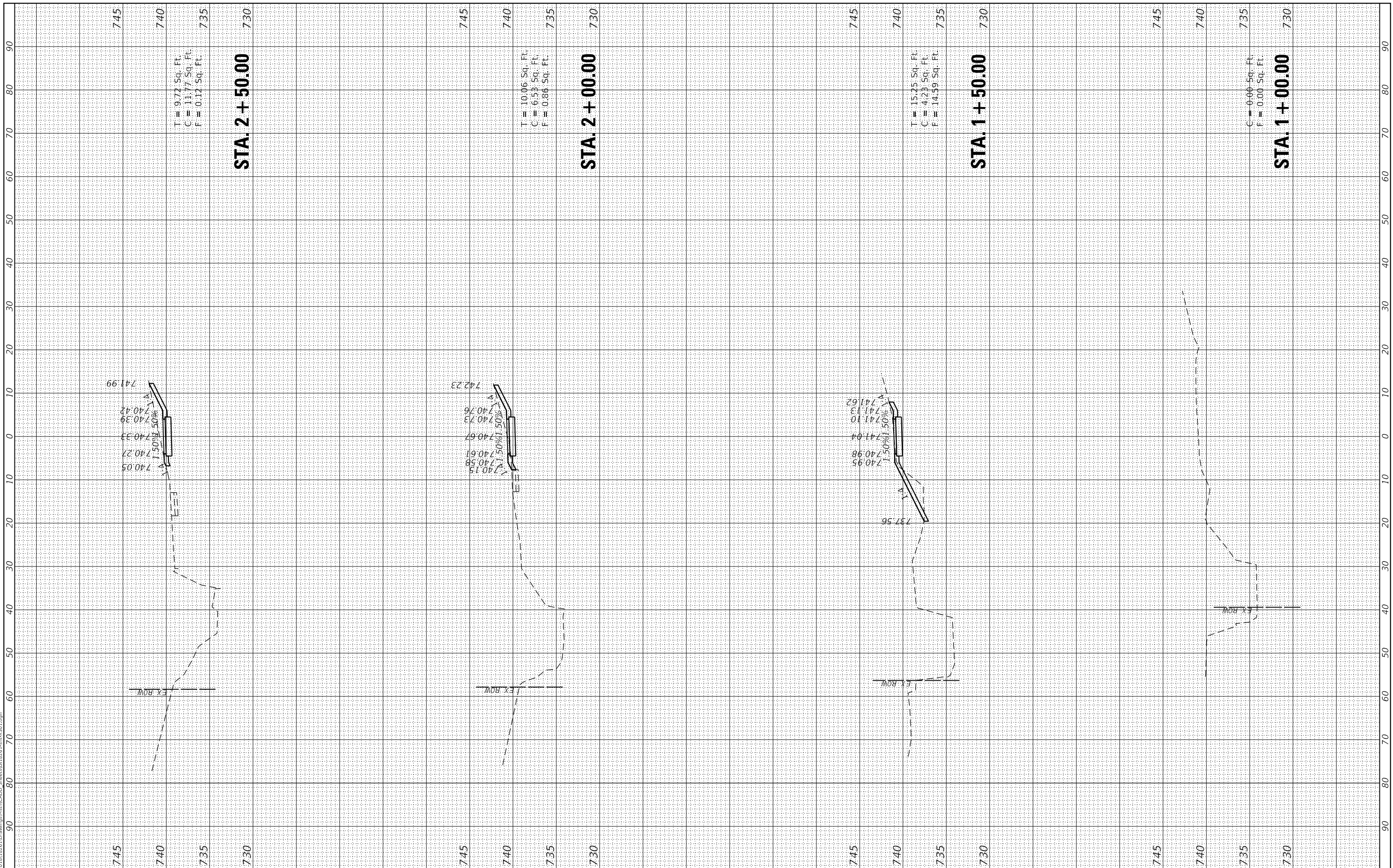
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 1"=10' SHEET 1 OF 12 SHEETS STA. X+00.00 TO STA. X+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	62
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT			IU2G(914)	



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USER NAME = bpendry  
 PLOT SCALE = 20'  
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 DRAWN - DRP  
 CHECKED - MJR  
 DATE - 4/10/2020

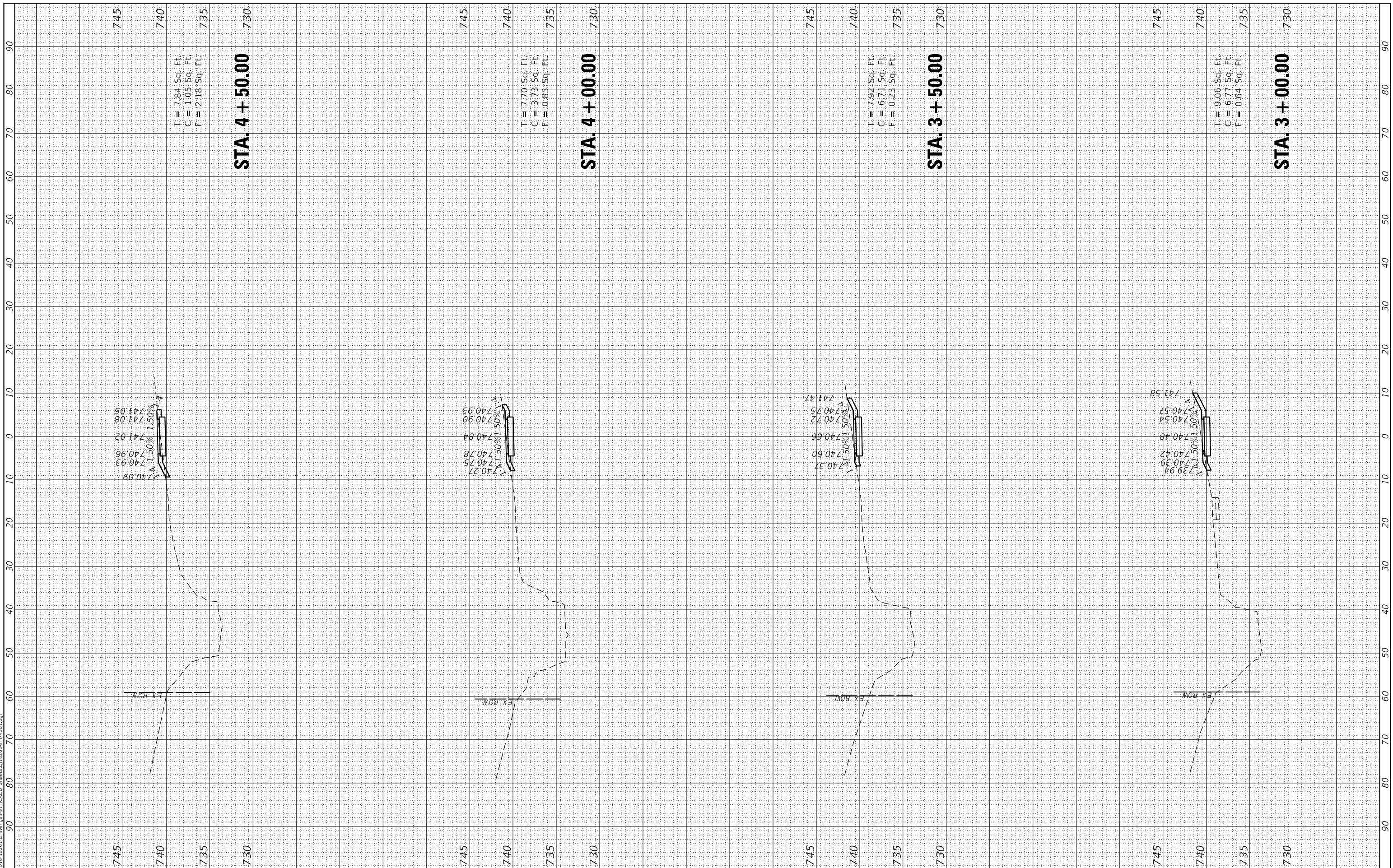
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 1"=10' SHEET 2 OF 12 SHEETS STA. X+00.00 TO STA. X+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	63
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT			IU2G(914)	



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USER NAME = bpendry  
 PLOT SCALE = 20'  
 PLOT DATE = 4/30/2020

DESIGNED - BNP  
 DRAWN - DRP  
 CHECKED - MJR  
 DATE - 4/10/2020

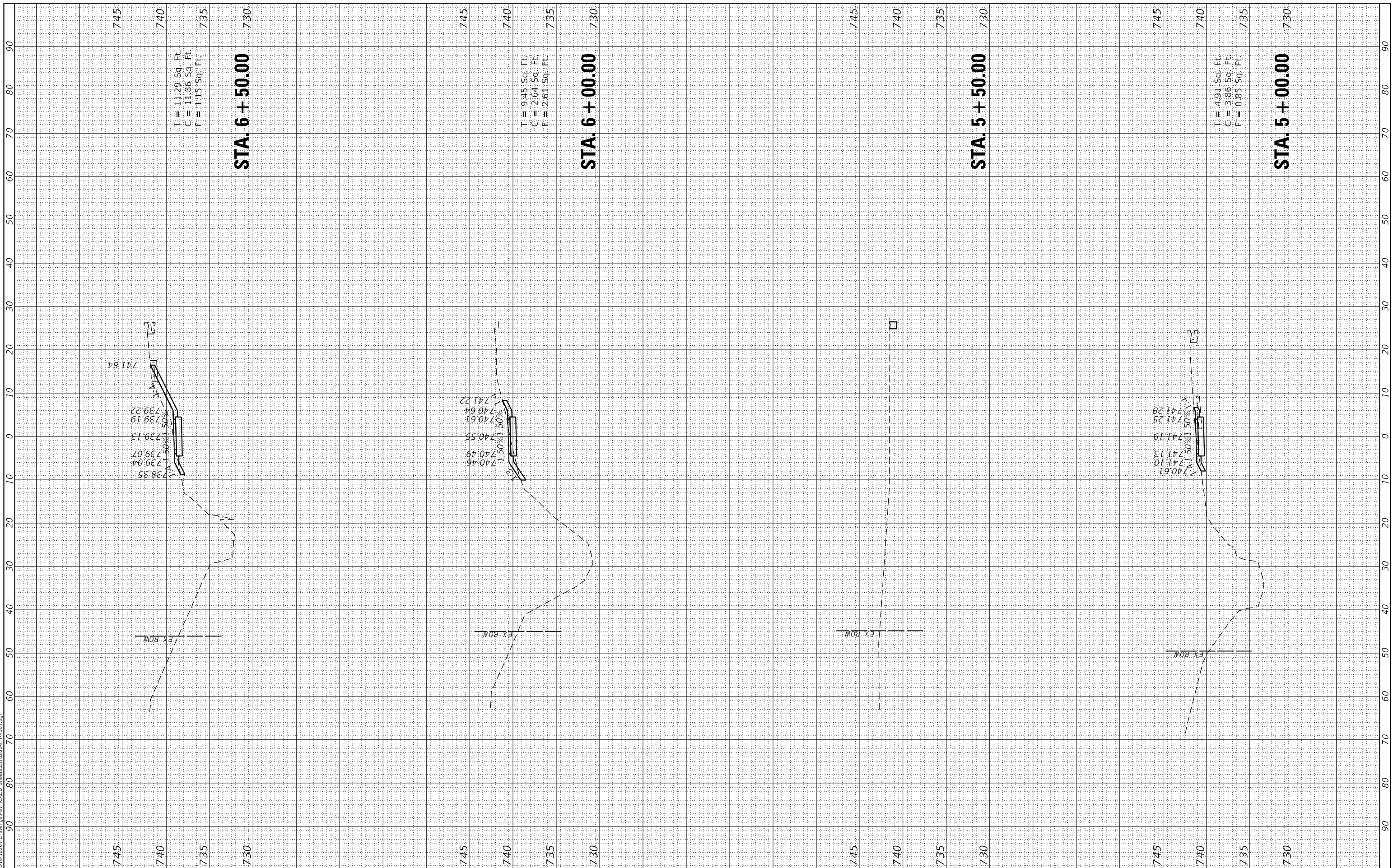
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 1"=10' SHEET 3 OF 12 SHEETS STA. X+00.00 TO STA. X+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	64
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT IU2G(914)				





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 PLOT DATE = 4/30/2020

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 DRAWN - DRP  
 CHECKED - MJR  
 DATE - 4/10/2020

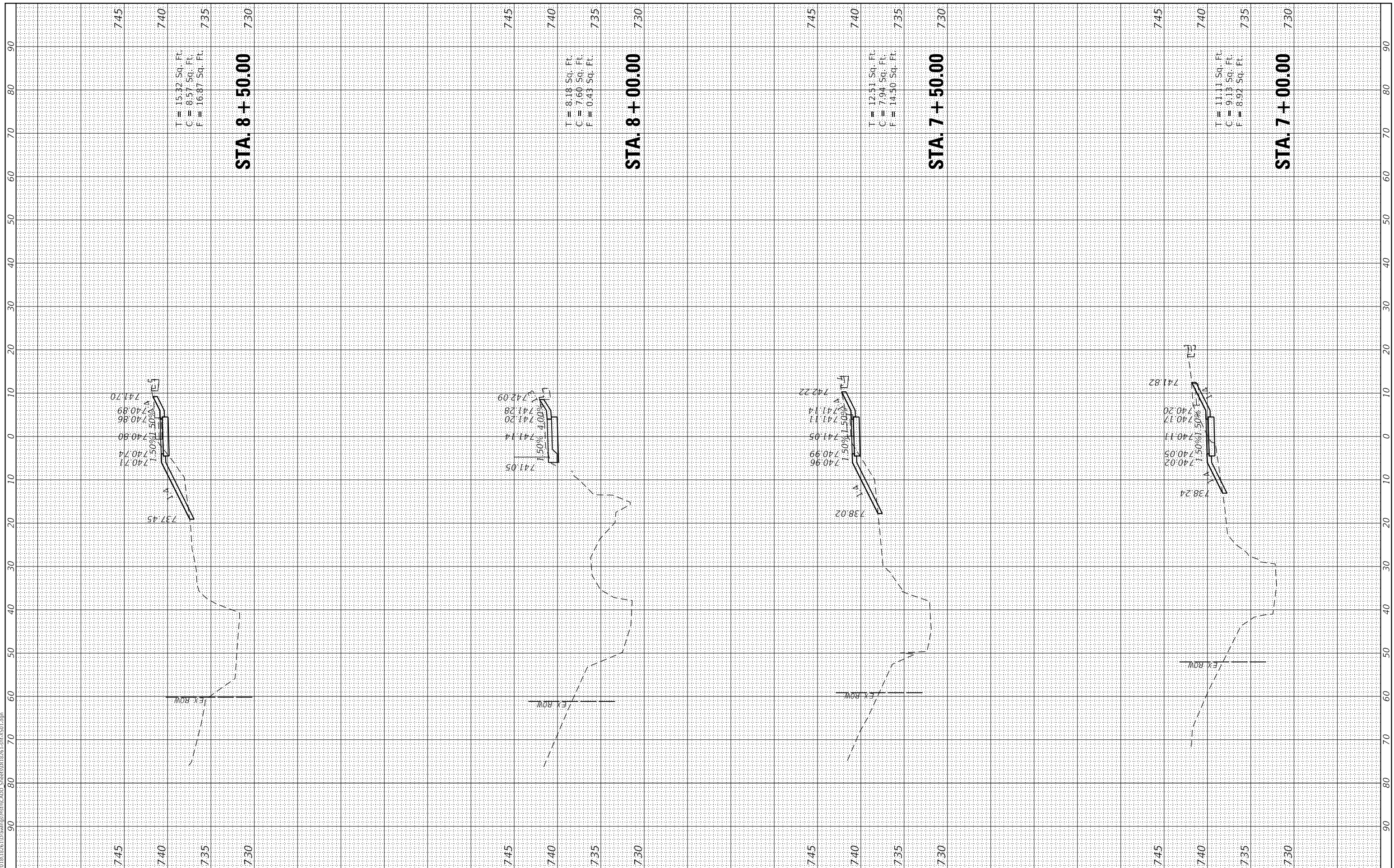
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 1"=10' SHEET 4 OF 12 SHEETS STA. X+00.00 TO STA. X+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	65
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT				IU2G(914)



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USER NAME = bpendry  
 PLOT SCALE = 20'  
 PLOT DATE = 4/30/2020

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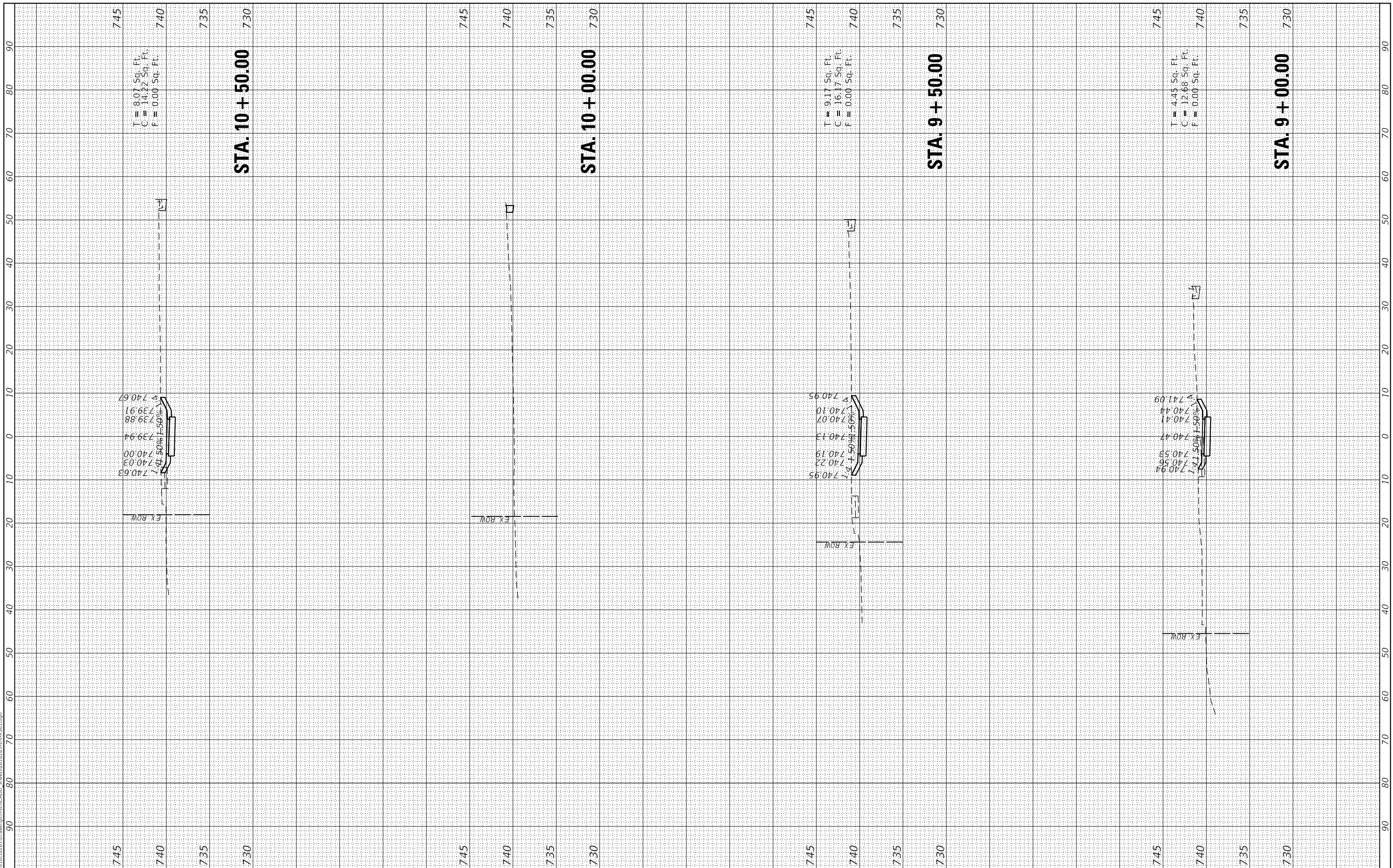
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 1"=10' SHEET 5 OF 12 SHEETS STA. X+00.00 TO STA. X+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	66
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT			IU2G(914)	



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 630.724.9202 fax  
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USER NAME = bpendry  
 PLOT SCALE = 20'  
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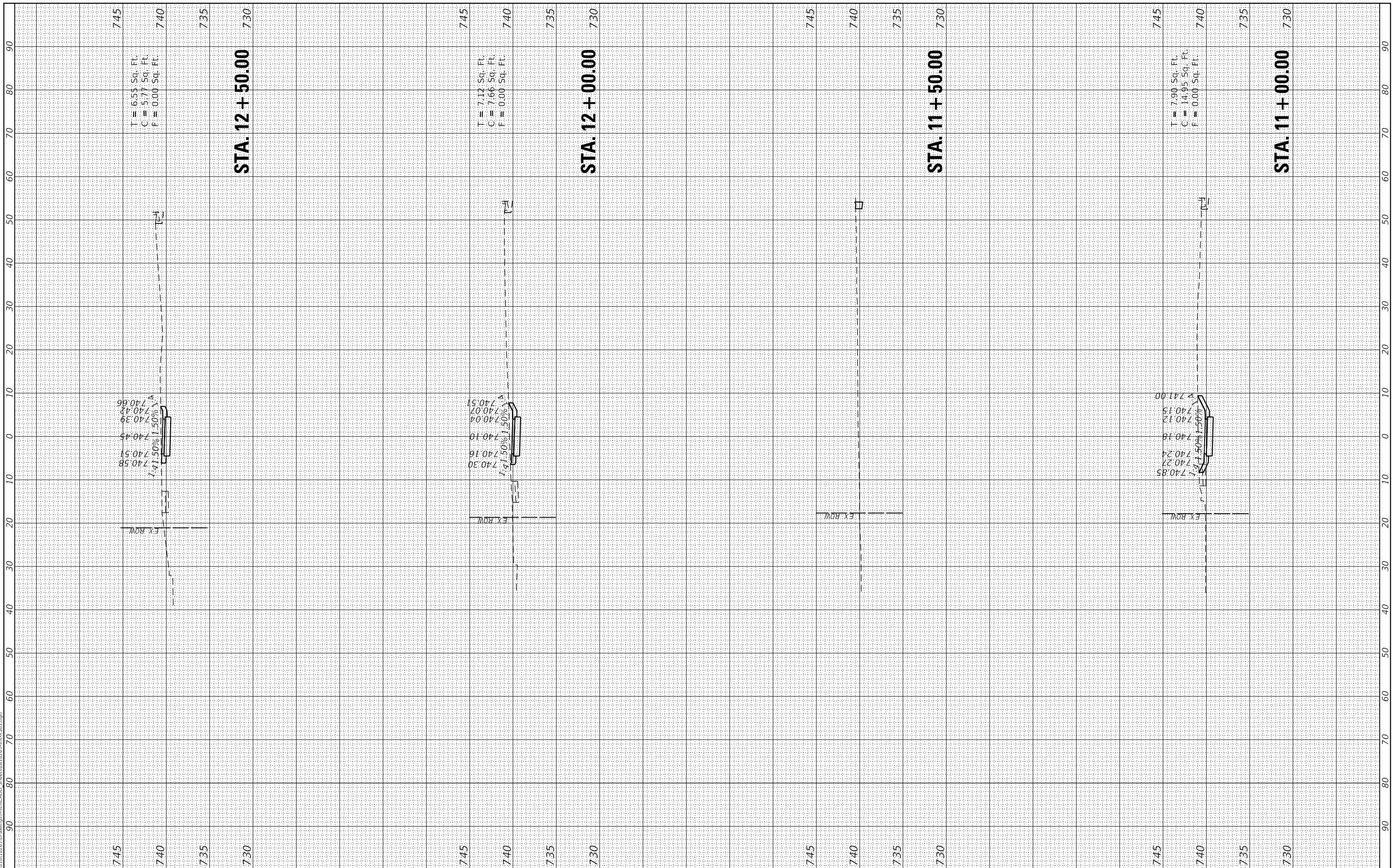
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 1"=10' SHEET 6 OF 12 SHEETS STA. X+00.00 TO STA. X+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	67
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT			IU2G(914)	



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 630.724.9202 fax  
 www.v3co.com

USER NAME = bpendry  
 PLOT SCALE = 20'  
 PLOT DATE = 4/30/2020

DESIGNED - BNP  
 DRAWN - DRP  
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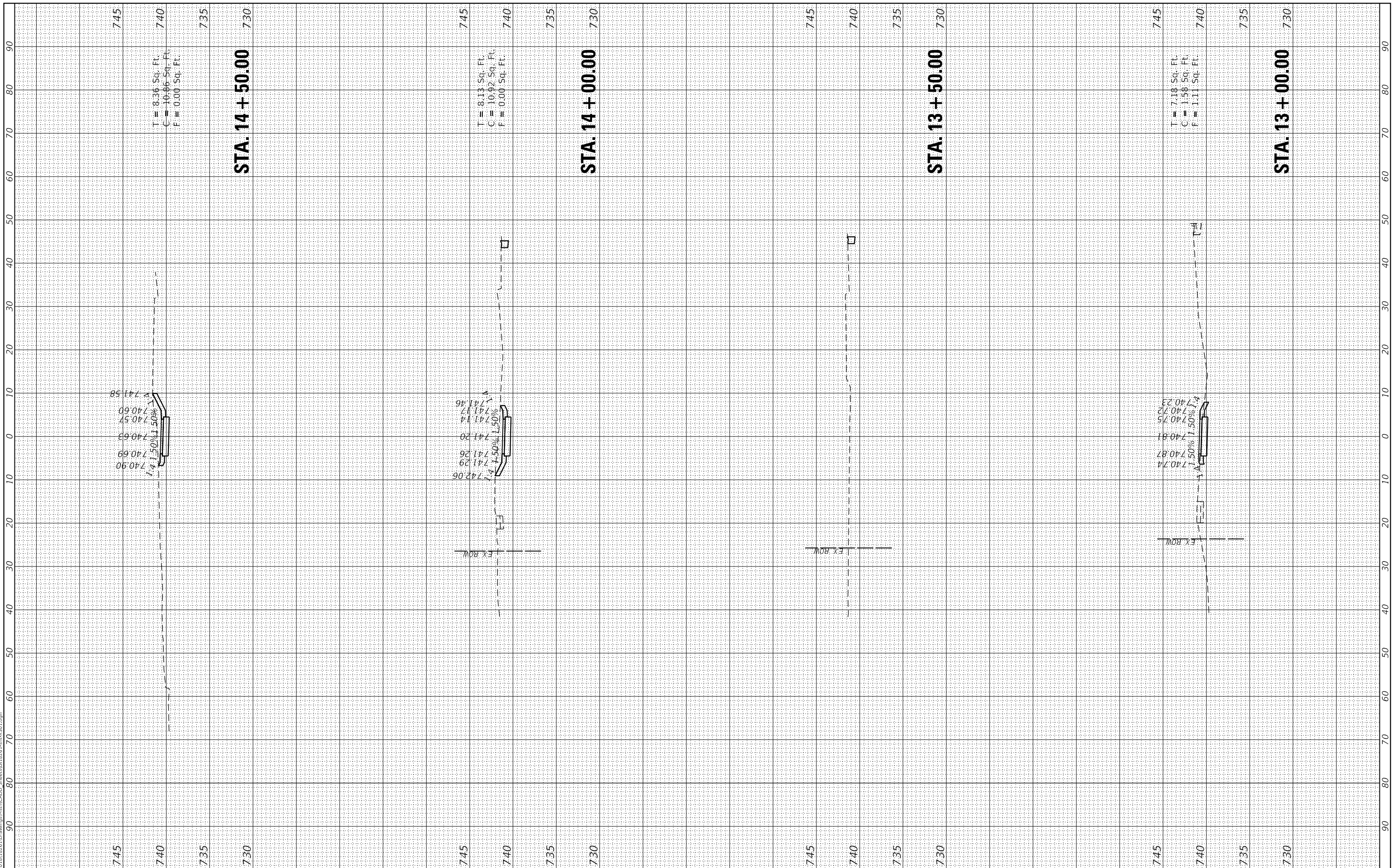
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 1"=10' SHEET 7 OF 12 SHEETS STA. X+00.00 TO STA. X+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	68
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT			IU2G(914)	



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V3 Companies  
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 630.724.9202 fax  
 www.v3co.com

USER NAME = bpendry  
 PLOT SCALE = 20'  
 PLOT DATE = 4/30/2020

DESIGNED - BNP  
 DRAWN - DRP  
 CHECKED - MJR  
 DATE - 4/10/2020

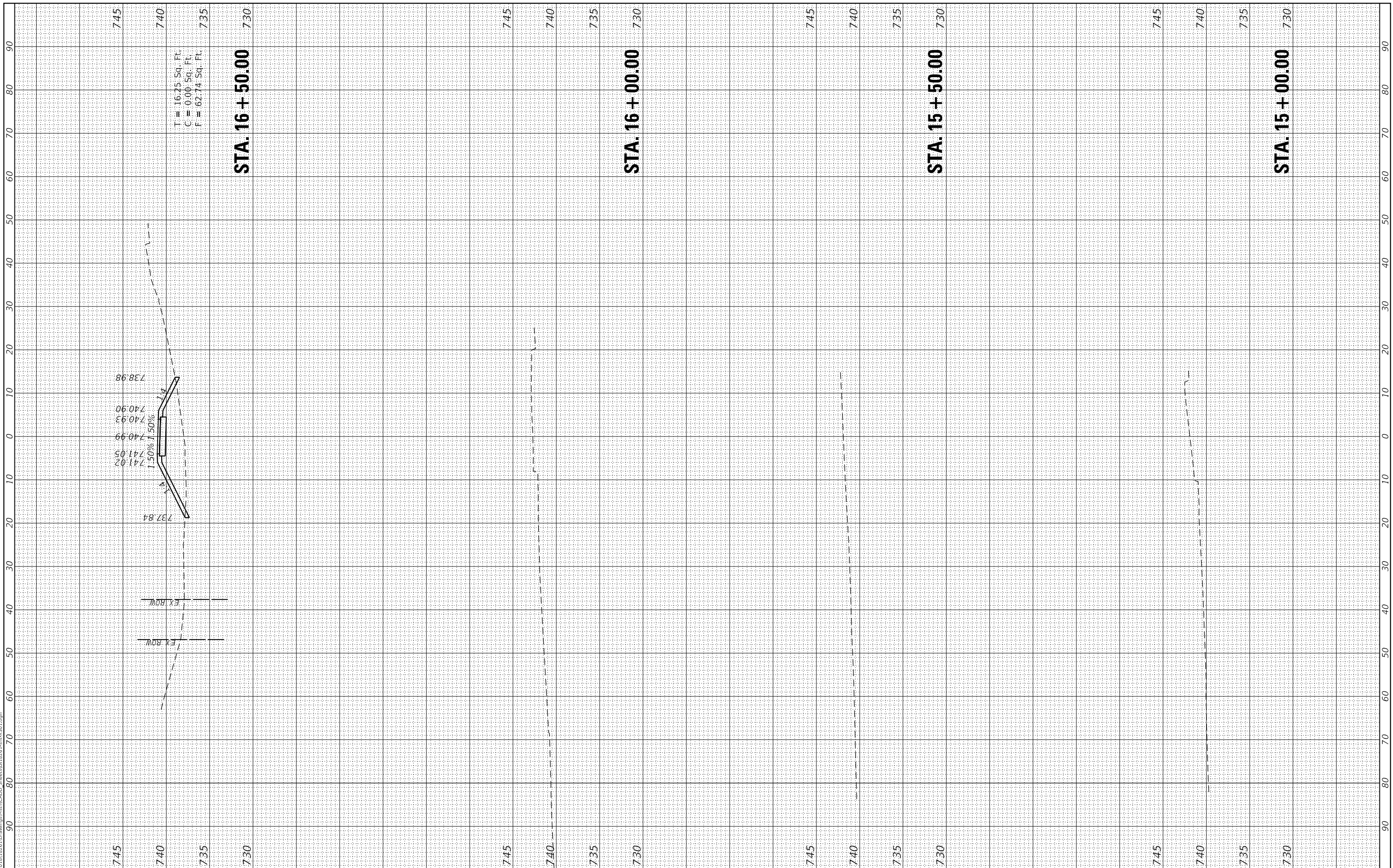
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 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 1"=10' SHEET 8 OF 12 SHEETS STA. X+00.00 TO STA. X+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	69
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT			IU2G(914)	



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V3 Companies  
 7325 Janes Avenue  
 Woodridge, IL 60517  
 630.724.9200 phone  
 630.724.9202 fax  
 www.v3co.com

USER NAME = bpendry  
 PLOT SCALE = 20"  
 PLOT DATE = 4/30/2020

DESIGNED - BNP  
 DRAWN - DRP  
 CHECKED - MJR  
 DATE - 4/10/2020

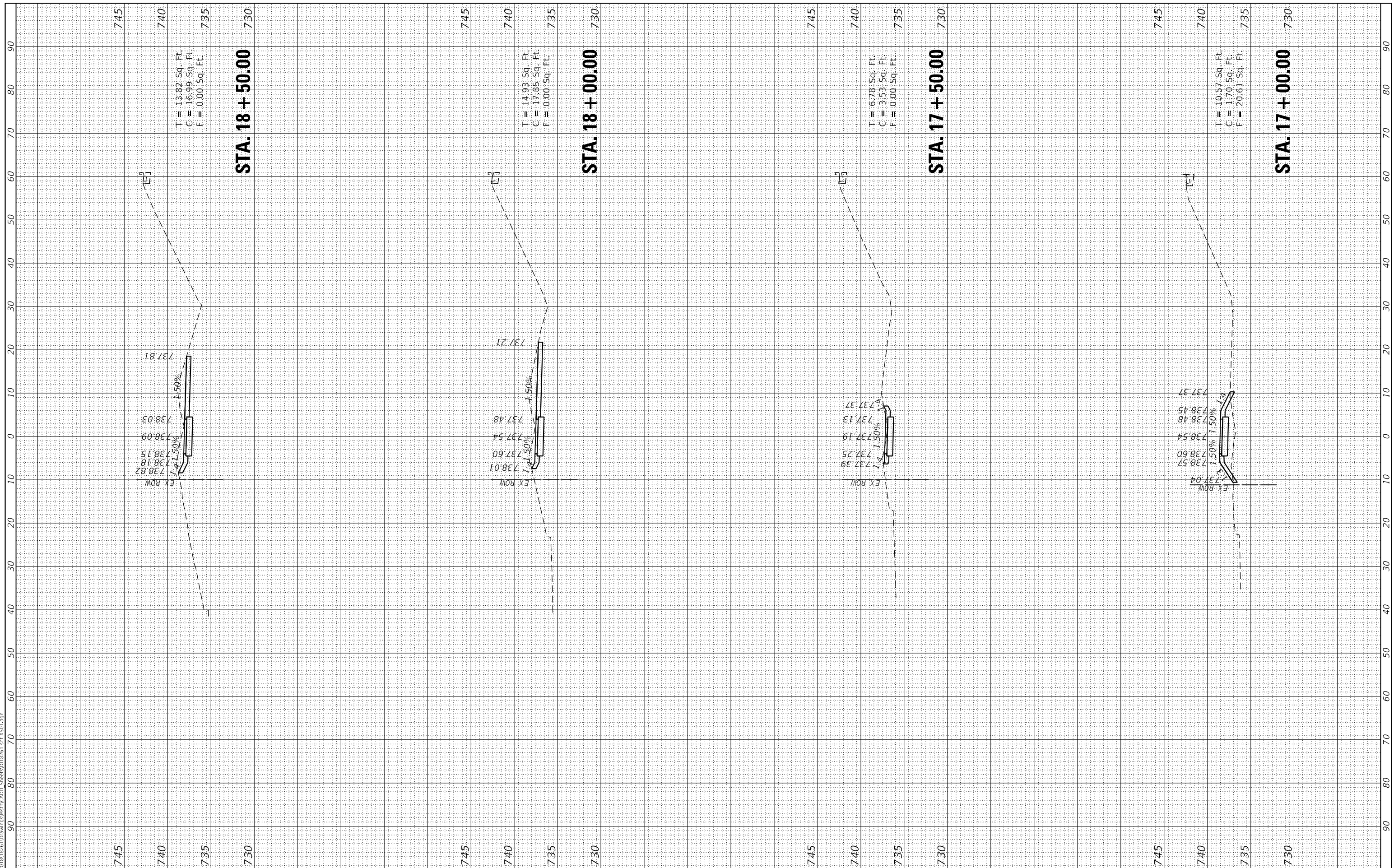
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 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 1"=10' SHEET 9 OF 12 SHEETS STA. X+00.00 TO STA. X+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	70
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT			IU2G(914)	



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V3 Companies  
 7325 Janes Avenue  
 Woodridge, IL 60517  
 630.724.9200 phone  
 630.724.9202 fax  
 www.v3co.com

USER NAME = bpendry  
 PLOT SCALE = 20'  
 PLOT DATE = 4/30/2020

DESIGNED - BNP  
 DRAWN - DRP  
 CHECKED - MJR  
 DATE - 4/10/2020

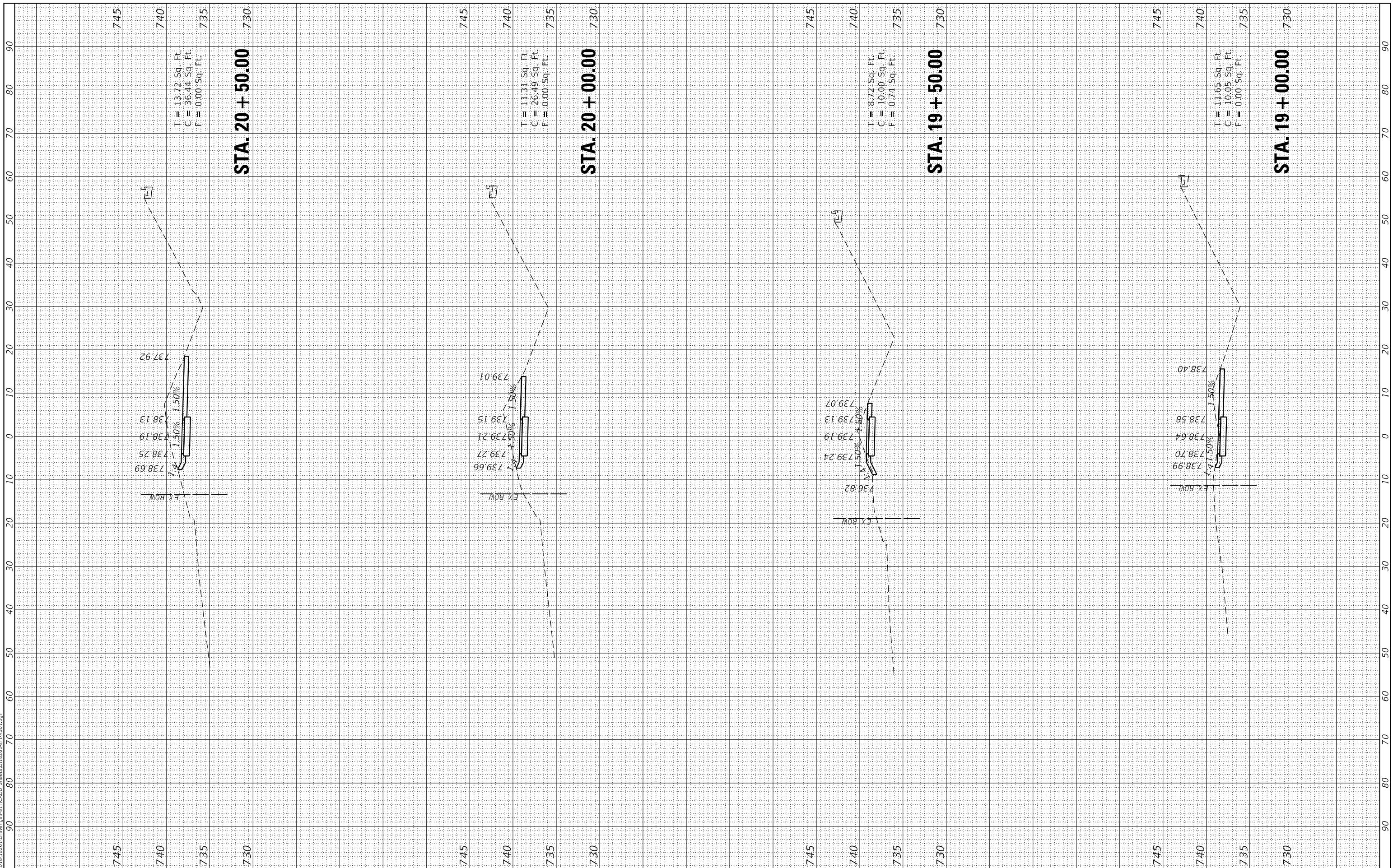
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 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 1"=10' SHEET 10 OF 12 SHEETS STA. X+00.00 TO STA. X+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	71
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT			IU2G(914)	



MODEL: Definit  
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V3 Companies  
 7325 Janes Avenue  
 Woodridge, IL 60517  
 630.724.9200 phone  
 630.724.9202 fax  
 www.v3co.com

USER NAME = bpendry  
 PLOT SCALE = 20"  
 PLOT DATE = 4/30/2020

DESIGNED - BNP  
 DRAWN - DRP  
 CHECKED - MJR  
 DATE - 4/10/2020

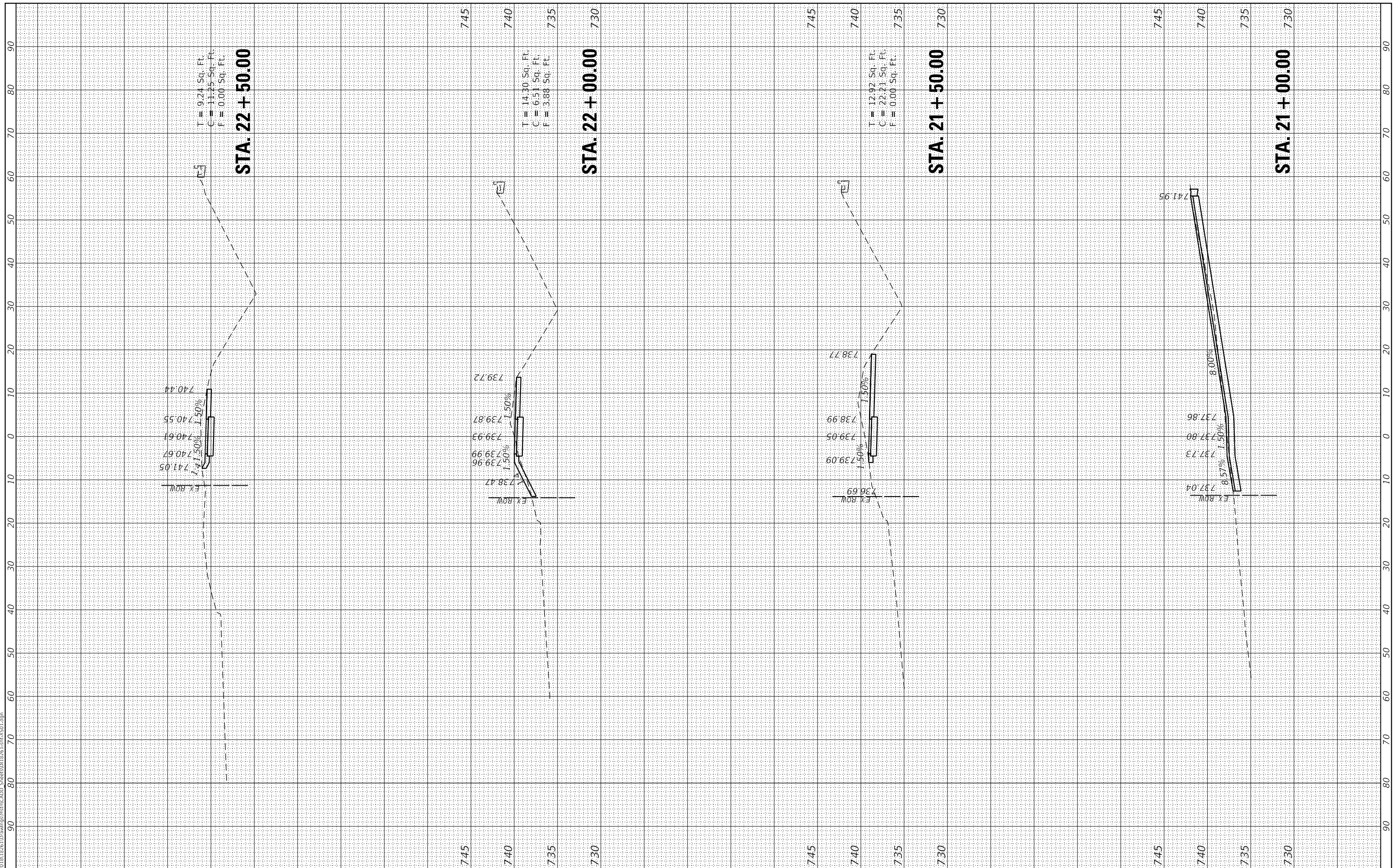
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 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 1"=10' SHEET 11 OF 12 SHEETS STA. X+00.00 TO STA. X+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	72
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT			IU2G(914)	





MODEL: Default  
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V3 Companies  
 7325 Janes Avenue  
 Woodridge, IL 60517  
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 www.v3co.com

USER NAME = bpendry  
 PLOT SCALE = 20'  
 PLOT DATE = 4/30/2020

DESIGNED - BNP  
 DRAWN - DRP  
 CHECKED - MJR  
 DATE - 4/10/2020

REVISED -  
 REVISED -  
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 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 1"=10' SHEET 12 OF 12 SHEETS STA. X+00.00 TO STA. X+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	15-00122-00-BT	COOK	73	73
CONTRACT NO. 61G41				
ILLINOIS FED. AID PROJECT			IU2G(914)	

