

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	1
ILLINOIS			CONTRACT NO. 62H87	

* 146 + 2 = 148 TOTAL SHEETS

D-91-129-19



FOR INDEX OF SHEETS, SEE SHEET NO. 2

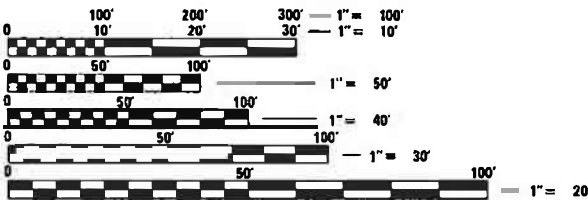
THE IMPROVEMENT IS LOCATED IN THE
VILLAGE OF MT. PROSPECT AND THE
CITY OF DES PLAINES

TRAFFIC DATA

US 14 (NORTHWEST HWY.)
ADT (2017) = 14,700
POSTED SPEED LIMIT = 40 MPH

MT. PROSPECT RD.
ADT (2018) = 19500
POSTED SPEED LIMIT = 30-40 MPH

PROSPECT AVE.
ADT (2013) = 2,176
POSTED SPEED LIMIT = 30 MPH



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 EXCAVATORS
1-800-892-0123
OR 811

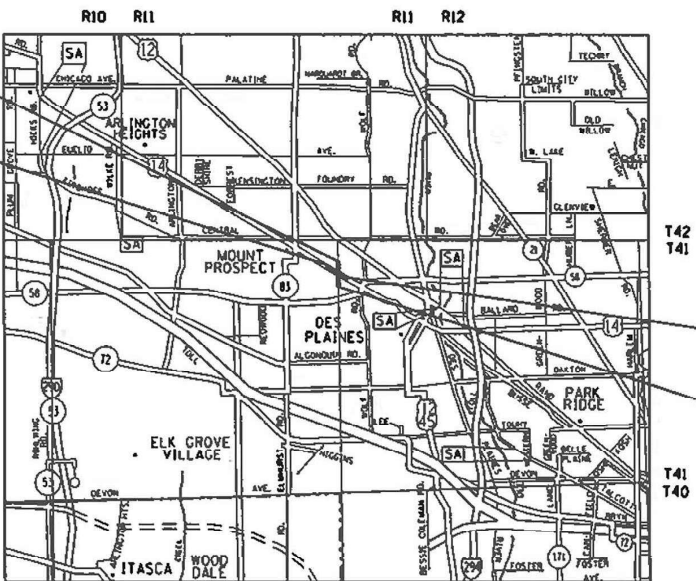
PROPOSED
HIGHWAY PLANS

F.A.U. ROUTE 3512: US 14 (NORTHWEST HWY.)
AT MT. PROSPECT ROAD
SECTION: 2019-006-N
PROJECT: HSIP/STP/CMAQ-2POU(840)
INTERSECTION IMPROVEMENT
COOK COUNTY

C-91-330-19

MT. PROSPECT ROAD
PROJECT BEGINS:
STATION 28+75

US 14
PROJECT BEGINS:
STATION 697+00



ELK GROVE AND MAINE TOWNSHIPS

GROSS LENGTH = 2028 FT. = 0.384 MILE

NET LENGTH = 2028 FT. = 0.384 MILE

PROJECT MANAGER: J. ALAIN MIDY (847) 221-3056

CONTRACT NO. 62H87

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED June 23, 2021
Jose Rios REGIONAL ENGINEER
August 13, 2021
Joe A. Elk ENGINEER OF DESIGN AND ENVIRONMENT
August 13, 2021
James J. Gu DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

MODEL - Default
FILE NAME - C:\pwworkspace\dwg\1a\1a03\827A\139513-sht-cover.dgn

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2 - 3	INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES
4 - 20	SUMMARY OF QUANTITIES
21 - 26	TYPICAL SECTIONS
27	SCHEDULE OF QUANTITIES
28 - 30	ALIGNMENT, TIES AND BENCHMARKS
31 - 35	ROADWAY PLANS
36 - 43	SUGGESTED MANITENACE OF TRAFFIC
44	EROSION CONTROL PLAN
45 - 51	DRAINAGE PLANS
52 - 66	PROPOSED SIDEWALK RAMP DETAILS
67	PAVEMENT MARKING PLAN
68 - 70	LANDSCAPING PLAN
71 - 97	TRAFFIC SIGNAL PLANS
98 - 111	LIGHTING PLAN
112 - 113	SUBSURFACE UTILITY ENGINEERING SURVEY
114 - 117	PLATS OF HIGHWAY
118 - 121	BORING LOGS
122	DRIVEWAY DETAILS - DISTANCE BETWEEN ROW AND FACE OF CURB & EDGE OF SHOULDER = 15' (BD-1)
123	DRIVEWAY DETAILS - DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (BD-2)
124	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER (BD-7)
125	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-8)
126	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
127	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
128	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
129	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
130	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)
131	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
132	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
133	SHORT TERM MARKING LETTERS AND SYMBOLS (TC-16)
134	ARTERIAL ROAD INFORMATION SIGN (TC-22)
135 - 136	TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS (TC-23)
137	DRIVEWAY ENTRENCE SIGNING (TC-26)
138 - 146	CROSS SECTIONS

STATE HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
601001-05	PIPE UNDERDRAINS
602001-02	CATCH BASIN TYPE A
602301-04	INLET TYPE 1
604001-05	FRAME AND LIDS TYPE 1
602401-07	PRECAST MANHOLE TYPE A 4' DIAMETER
602402-03	PRECAST MANHOLE TYPE A 5' DIAMETER
602406-11	PRECAST MANHOLE TYPE A 6' DIAMETER
602411-09	PRECAST MANHOLE TYPE A 7' DIAMETER
602416-09	PRECAST MANHOLE TYPE A 8' DIAMETER
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
606306-04	CORRUGATED PC CONCRETE MEDIANS
635001-02	DELINEATORS
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15" TO 24" FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS <40 MPH
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
729001-01	APPLICATIONS OF TYPE A & B METAL POSTS (FOR SIGNS & MARKERS)
782006-01	GUARDRAIL AND BARRIER WALL REFLECTORS MOUNTING DETAILS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
862001-01	UNINTERRUPTABLE POWER SUPPLY
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877011-10	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-11	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
- TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE VILLAGE/CITY OF DES PLAINES AND MT. PROSPECT
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE RESIDENT ENGINEER SHALL CONTACT PATRICE HARRIS, ARTERIAL TRAFFIC FIELD TECHNICIAN VIA E-MAIL AT PATRICE.HARRIS@ILLINOIS.GOV, A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED OR PLATED STRUCTURES ACCORDING TO THE STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40mm) WHERE THE SPEED LIMIT IS 40 MPH (80 km/h) OR LESS AND 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH (80 km/h). WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 mm) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H) OR A NOTCHED LONGITUDINAL WEDGE IS USED.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.
- CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.

REV-SEP

	USER NAME = dlazla	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					3512	2019-006-N	COOK	146	2
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 62H87				
	PLOT DATE = 8/9/2021	DATE -	REVISED -		SCALE:	SHEET 1	OF 2	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE																			
CODE NO	ITEM	UNIT		ROADWAY 0004 STP FED 80% STATE 20%	ROADWAY 0004 STATE 100%	BIKE PATH 0028 CMAQ FED 80% VILLAGE 20% (MOUNT PROSPECT)	BIKE PATH 0028 CMAQ FED 80% VILLAGE 20% (DES PLAINES)	SIGNAL 0021 HSP FED 90% STATE 8% VILLAGE 2%	INTERCONNECT 0021 CMAQ FED 80% STATE 20%	EVP 0021 VILLAGE 100% (MOUNT PROSPECT)	LIGHTING 0021 VILLAGE 100% (MOUNT PROSPECT)	LIGHTING 0021 VILLAGE 100% (DES PLAINES)	TS PAINT 0021 VILLAGE 100% (MOUNT PROSPECT)										
20200100	EARTH EXCAVATION	CU YD	1047	972			75																
20101000	TEMPORARY FENCE	FOOT	300	300																			
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE	CU YD	177	177																			
	MATERIAL																						
20101100	TREE TRUNK PROTECTION	EACH	30	30																			
20400800	FURNISHED EXCAVATION	CU YD	383	383																			
20800150	TRENCH BACKFILL	CU YD	1352	1352																			
21001000	GEOTECHNICAL FABRIC FOR GROUND	SO YD	529	529																			
	STABILIZATION																						
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	1727	1727																			
25000210	SEEDING, CLASS 2A	ACRE	0.8	0.8																			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	44	44																			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	44	44																			
25100630	EROSION CONTROL BLANKET	SO YD	3741	3741																			
25200110	SODDING, SALT TOLERANT	SO YD	3506	3506																			
25200200	SUPPLEMENTAL WATERING	UNIT	35	35																			
28000510	INLET FILTERS	EACH	22	22																			
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	177	177																			
																							REV-SEP
																							* SPECIALTY ITEM
FILE NAME =		USER NAME = diaza		DESIGNED -		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES				F.A.U. RTE.		SECTION		COUNTY		TOTAL SHEETS	SHEET NO.
c:\pwworking\diaza\ad0368214\F139513-511-cover.dgn				DRAWN -		REVISED -										3512		2019-006-N		COOK		146	4
		PLOT SCALE = 100.0000' / 1in		CHECKED -		REVISED -																CONTRACT NO. 62H87	
		PLOT DATE = 7/8/2021		DATE -		REVISED -										SCALE:		SHEET NO. OF SHEETS		STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE																											
CODE NO	ITEM	UNIT		ROADWAY 0004 STP FED 80% STATE 20%	ROADWAY 0004 STATE 100%	BIKE PATH 0028 CMAQ FED 80% VILLAGE 20% MOUNT PROSPECT	BIKE PATH 0028 CMAQ FED 80% VILLAGE 20% DES PLAINES	SIGNAL 0021 HSTP FED 90% STATE 8% VILLAGE 2%	INTERCONNECT 0021 CMAQ FED 80% STATE 20%	EVP 0021 VILLAGE 100% (MOUNT PROSPECT)	LIGHTING 0021 VILLAGE 100% (MOUNT PROSPECT)	LIGHTING 0021 VILLAGE 100% (DES PLAINES)	TS PAINT 0021 VILLAGE 100% (MOUNT PROSPECT)																		
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	3009	3009																											
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SO YD	779				779																								
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SO YD	77	77																											
35501314	HOT-MIX ASPHALT BASE COURSE, 7 1/2"	SO YD	1690	1690																											
35501322	HOT-MIX ASPHALT BASE COURSE, 9 1/2"	SO YD	142	142																											
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	1752				1752																								
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	6800	6800																											
40600400	MIXTURE FOR CRACKS, JOINTS, AND	TON	10	10																											
	FLANGEWAYS																														
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT	SO YD	469	469																											
	JOINT																														
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER	TON	252	252																											
	COURSE, IL-4.75, N50																														
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5,	TON	97	9			88																								
	MIX "D", N50																														
40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE	TON	988	988																											
	COURSE, IL-9.5, MIX "E", N70																														
42000511	PORTLAND CEMENT CONCRETE PAVEMENT 10	SO YD	925	925																		REV-SEP									
	1/2" (JOINTED)																					* SPECIALTY ITEM									
FILE NAME =		USER NAME = diaza		DESIGNED -		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES										F.A.U. RTE.		SECTION		COUNTY		TOTAL SHEETS		SHEET NO.	
c:\pwworking\diaza\0368214\PI39513-sh-cover.dgn				DRAWN -		REVISED -																3512		2019-006-N		COOK		146		5	
		PLOT SCALE = 100.0000 ' / 1in.		CHECKED -		REVISED -																								CONTRACT NO. 62H87	
		PLOT DATE = 7/8/2021		DATE -		REVISED -																SCALE:		SHEET NO.		OF		SHEETS		STA.	

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE																								
CODE NO	ITEM	UNIT		ROADWAY 0004 STP FED 80% STATE 20%	ROADWAY 0004 STATE 100%	BIKE PATH 0028 CMAQ FED 80% VILLAGE 20% (MOUNT PROSPECT)	BIKE PATH 0028 CMAQ FED 80% VILLAGE 20% (DES PLAINES)	SIGNAL 0021 HSP FED 90% STATE 8% VILLAGE 2%	INTERCONNECT 0021 CMAQ FED 80% STATE 20%	EVP 0021 VILLAGE 100% (MOUNT PROSPECT)	LIGHTING 0021 VILLAGE 100% (MOUNT PROSPECT)	LIGHTING 0021 VILLAGE 100% (DES PLAINES)	TS PAINT 0021 VILLAGE 100% (MOUNT PROSPECT)															
42001300	PROTECTIVE COAT	SO YD	1882	1882																								
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY	SO YD	250	250																								
	PAVEMENT, 8 INCH																											
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	4545	4545																								
42400800	DETECTABLE WARNINGS	SO FT	310	310																								
44000100	PAVEMENT REMOVAL	SO YD	1231	1231																								
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SO YD	5900	5900																								
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	4172	4172																								
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	270	270																								
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3413	3413																								
44000600	SIDEWALK REMOVAL	SO FT	8673	2862			5811																					
44003100	MEDIAN REMOVAL	SO FT	576	576																								
44201798	CLASS D PATCHES, TYPE I, 13 INCH	SO YD	200	200																								
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SO YD	150	150																								
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SO YD	100	100																								
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SO YD	100	100																								
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SO YD	72	72																								
																							REV-SEP					
																							* SPECIALTY ITEM					
FILE NAME =			USER NAME = diazla		DESIGNED -		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES						F.A.J. RTE.		SECTION		COUNTY		TOTAL SHEETS		SHEET NO.	
c:\pwworking\diazla\0368274\F139513-stt-cover.dgn					DRAWN -		REVISED -												3512		2019-006-N		COOK		146		6	
			PLOT SCALE = 100.0000' / 1in		CHECKED -		REVISED -																				CONTRACT NO. 62H87	
			PLOT DATE = 7/8/2021		DATE -		REVISED -												SCALE:		SHEET NO. OF SHEETS		STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE																			
CODE NO	ITEM	UNIT		ROADWAY 0004 STP FED 80% STATE 20%	ROADWAY 0004 STATE 100%	BIKE PATH 0028 CMAQ FED 80% VILLAGE 20% (MOUNT PROSPECT)	BIKE PATH 0028 CMAQ FED 80% VILLAGE 20% (DES PLAINES)	SIGNAL 0021 HSIP FED 90% STATE 8% VILLAGE 2%	INTERCONNECT 0021 CMAQ FED 80% STATE 20%	EVP 0021 VILLAGE 100% (MOUNT PROSPECT)	LIGHTING 0021 VILLAGE 100% (MOUNT PROSPECT)	LIGHTING 0021 VILLAGE 100% (DES PLAINES)	TS PAINT 0021 VILLAGE 100% (MOUNT PROSPECT)										
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	113	113																			
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	166	166																			
550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	778	778																			
550A4300	STORM SEWERS, CLASS A, TYPE 1	FOOT	191	191																			
	EQUIVALENT ROUND-SIZE 30"																						
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	2800	2800																			
60203805	CATCH BASINS, TYPE A, 5' -DIAMETER, TYPE	EACH	5	5																			
	1 FRAME, OPEN LID																						
60218300	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 1	EACH	2	2																			
	FRAME, OPEN LID																						
60218400	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 1	EACH	1	1																			
	FRAME, CLOSED LID																						
60221100	MANHOLES, TYPE A, 5' -DIAMETER, TYPE 1	EACH	3	3																			
	FRAME, CLOSED LID																						
60224446	MANHOLES, TYPE A, 7' -DIAMETER, TYPE 1	EACH	1	1																			
	FRAME, CLOSED LID																						
60224457	MANHOLES, TYPE A, 8' -DIAMETER, TYPE 1	EACH	1	1																			
	FRAME, OPEN LID																						
								</															

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE																						
CODE NO	ITEM	UNIT		ROADWAY 0004 STP FED 80% STATE 20%	ROADWAY 0004 STATE 100%	BIKE PATH 0028 CMAQ FED 80% VILLAGE 20% MOUNTAIN PROSPECT	BIKE PATH 0028 CMAQ FED 80% VILLAGE 20% (DES PLAINES)	SIGNAL 0021 HSIP FED 90% STATE 8% VILLAGE 2%	INTERCONNECT 0021 CMAQ FED 80% STATE 20%	EVP 0021 VILLAGE 100% (MOUNT PROSPECT)	LIGHTING 0021 VILLAGE 100% (MOUNT PROSPECT)	LIGHTING 0021 VILLAGE 100% (DES PLAINES)	TS PAINT 0021 VILLAGE 100% (MOUNT PROSPECT)													
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	5	5																						
60250200	CATCH BASINS TO BE ADJUSTED	EACH	10	10																						
60250400	CATCH BASINS TO BE ADJUSTED WITH NEW	EACH	4	4																						
	TYPE 1 FRAME, OPEN LID																									
60253000	CATCH BASINS TO BE RECONSTRUCTED WITH	EACH	1	1																						
	NEW TYPE 1 FRAME, OPEN LID																									
60266600	VALVE BOXES TO BE ADJUSTED	EACH	5	5																						
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	20	20																						
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	5	5																						
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	5	5																						
60500050	REMOVING CATCH BASINS	EACH	10	10																						
60603800	COMBINATION CONCRETE CURB AND GUTTER,	FOOT	3895	3895																						
	TYPE B-6.12																									
60605000	COMBINATION CONCRETE CURB AND GUTTER,	FOOT	205	205																						
	TYPE B-6.24																									
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	810	810																						
66900530	SOIL DISPOSAL ANALYSIS	EACH	5	5																						
66901000	BACKFILL PLUGS	CU YD	77	77																						
FILE NAME = c:\pw\work\pw\dad\dia2\ad036827-N\P139513-str-cover.dgn		USER NAME = dia2ia	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION							SUMMARY OF QUANTITIES						F.A.U. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.			
			DRAWN -	REVISED -														3512	2019-006-N		COOK	146	8			
		PLOT SCALE = 100,0000 ' / 1in.	CHECKED -	REVISED -														CONTRACT NO. 62H87								
		PLOT DATE = 7/8/2021	DATE -	REVISED -														FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								
												SCALE: SHEET NO. OF SHEETS STA. TO STA.						REV-SEP * SPECIALTY ITEM								

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE																													
CODE NO	ITEM	UNIT		ROADWAY 0004 STP FED 80% STATE 20%	ROADWAY 0004 STATE 100%	BIKE PATH 0028 CMAQ FED 80% VILLAGE 20% (MOUNT PROSPECT)	BIKE PATH 0028 CMAQ FED 80% VILLAGE 20% (DES PLAINES)	SIGNAL 0021 HSTP FED 90% STATE 8% VILLAGE 2%	INTERCONNECT 0021 CMAQ FED 80% STATE 20%	EVP 0021 VILLAGE 100% (MOUNT PROSPECT)	LIGHTING 0021 VILLAGE 100% (MOUNT PROSPECT)	LIGHTING 0021 VILLAGE 100% (DES PLAINES)	TS PAINT 0021 VILLAGE 100% (MOUNT PROSPECT)																				
66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION	LSUM	1	1																													
	PLAN																																
66901006	ON-SITE MONITORING OF REGULATED	CAL DA	15	15																													
	SUBSTANCES																																
66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION	LSUM	1	1																													
	REPORT																																
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12																													
67100100	MOBILIZATION	L SUM	1	1																													
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	25	25																													
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	120	120																													
70300100	SHORT TERM PAVEMENT MARKING	FOOT	3749	3749																													
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1250	1250																													
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND	SQ FT	310	310																													
	SYMBOLS																																
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	5132	5132																													
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1527	1527																													
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	184	184																													
																							REV-SEP										
																							* SPECIALTY ITEM										
FILE NAME =		USER NAME = diazta		DESIGNED -		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES				F.A.U. RTE.		SECTION		COUNTY		TOTAL SHEETS		SHEET NO.									
c:\pwworking\diazta\d0368214\F139513-sht-cover.dgn				DRAWN -		REVISED -										3512		2019-006-N		COOK		146		9									
		PLOT SCALE = 100.0000' / 1in		CHECKED -		REVISED -																		CONTRACT NO. 62H87									
		PLOT DATE = 7/8/2021		DATE -		REVISED -										SCALE:		SHEET NO.		OF		SHEETS		STA.		TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE																															
CODE NO	ITEM	UNIT		ROADWAY 0004 STP FED 80% STATE 20%	ROADWAY 0004 STATE 100%	BIKE PATH 0028 CMAQ FED 90% VILLAGE 20% (MOUNT PROSPECT)	BIKE PATH 0028 CMAQ FED 80% VILLAGE 20% (DES PLAINES)	SIGNAL 0021 HSTP FED 90% STATE 8% VILLAGE 2%	INTERCONNECT 0021 CMAQ FED 80% STATE 20%	EVP 0021 VILLAGE 100% (MOUNT PROSPECT)	LIGHTING 0021 VILLAGE 100% (MOUNT PROSPECT)	LIGHTING 0021 VILLAGE 100% (DES PLAINES)	TS PAINT 0021 VILLAGE 100% (MOUNT PROSPECT)																						
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	300	300																															
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	10500	10500																															
80400100	ELECTRIC SERVICE INSTALLATION	EACH	2									2																							
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1								0.3	0.7																							
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL,	FOOT	4420					1261	3159																										
	2" DIA.																																		
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL,	FOOT	721					141			185	395																							
	3" DIA.																																		
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL,	FOOT	919					919																											
	4" DIA.																																		
81028250	UNDERGROUND CONDUIT, GALVANIZED STEEL,	FOOT	108					108																											
	5" DIA.																																		
81100600	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	129						129																										
81400100	HANDHOLE	EACH	11					6	5																										
81400200	HEAVY-DUTY HANDHOLE	EACH	6					6																											
81400300	DOUBLE HANDHOLE	EACH	4					4																											
81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10	FOOT	1780								345	1435																							
	GROUND, (XLP-TYPE USE), 3/4" DIA.																						REV-SEP												
	POLYETHYLENE																						* SPECIALTY ITEM												
FILE NAME =		USER NAME = diazla		DESIGNED -		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES						F.A.U. RTE.		SECTION		COUNTY		TOTAL SHEETS		SHEET NO.									
c:\pwworking\dw\diazla\0368274\F139513-sht-cover.dgn				DRAWN -		REVISED -												3512		2019-006-N		COOK		146		12									
		PLOT SCALE = 100,0000 ' / 1in		CHECKED -		REVISED -																				CONTRACT NO. 62H87									
		PLOT DATE = 7/8/2021		DATE -		REVISED -												SCALE:		SHEET NO.		OF		SHEETS		STA.		TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE																							
CODE NO	ITEM	UNIT		ROADWAY 0004 STP FED 80% STATE 20%	ROADWAY 0004 STATE 100%	BIKE PATH 0028 CMAQ FED 80% VILLAGE 20% (MOUNT PROSPECT)	BIKE PATH 0028 CMAQ FED 80% VILLAGE 20% (DES PLAINES)	SIGNAL 0021 HSTP FED 90% STATE 8% VILLAGE 2%	INTERCONNECT 0021 CMAQ FED 80% STATE 20%	EVP 0021 VILLAGE 100% (MOUNT PROSPECT)	LIGHTING 0021 VILLAGE 100% (MOUNT PROSPECT)	LIGHTING 0021 VILLAGE 100% (DES PLAINES)	TS PAINT 0021 VILLAGE 100% (MOUNT PROSPECT)														
84200804	REMOVAL OF POLE FOUNDATION	EACH	2								2																
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	2								2																
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL	EACH	2						2																		
	INSTALLATION																										
85100500	PAINT NEW TRAFFIC SIGNAL POST	EACH	5										5														
85100600	PAINT NEW MAST ARM AND POLE, UNDER 40	EACH	2										2														
	FOOT																										
85100800	PAINT NEW COMBINATION MAST ARM AND	EACH	6										6														
	POLE, UNDER 40 FOOT																										
85100901	PAINT NEW COMBINATION MAST ARM AND	EACH	1										1														
	POLE, 40 FOOT AND OVER																										
86000100	MASTER CONTROLLER	EACH	1						1																		
86400100	TRANSCEIVER - FIBER OPTIC	EACH	3						3																		
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO.	FOOT	4190						4190																		
	14 1C																										
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	2260					2260																			
	14 2C																										
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	3670					2575		1095																	
	14 3C																										
																							REV-SEP				
																							* SPECIALTY ITEM				
FILE NAME =		USER NAME = diaza		DESIGNED -		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES						F.A.U. RTE.		SECTION		COUNTY		TOTAL SHEETS		SHEET NO.	
c:\pwworking\diaza\td0368214\F139513-stt-cover.dgn		DRAWN -		REVISED -		3512												2019-006-N		COOK		146		14			
PLOT SCALE = 100.0000' / 1in		CHECKED -		REVISED -																				CONTRACT NO. 62H87			
PLOT DATE = 7/8/2021		DATE -		REVISED -		SCALE:												SHEET NO.		OF		SHEETS		STA.		TO STA.	

[illegible]

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE																			
CODE NO	ITEM	UNIT		ROADWAY 0004 STP FED 80% STATE 20%	ROADWAY 0004 STATE 100%	BIKE PATH 0028 CMAQ FED 80% VILLAGE 20% AMOUNT PROSPECT	BIKE PATH 0028 CMAQ FED 80% VILLAGE 20% DES PLAINES	SIGNAL 0021 HSP FED 90% STATE 8% VILLAGE 2%	INTERCONNECT 0021 CMAQ FED 80% STATE 20%	EVP 0021 VILLAGE 100% (MOUNT PROSPECT)	LIGHTING 0021 VILLAGE 100% (MOUNT PROSPECT)	LIGHTING 0021 VILLAGE 100% (DES PLAINES)	TS PAINT 0021 VILLAGE 100% (MOUNT PROSPECT)										
87702850	STEEL COMBINATION MAST ARM ASSEMBLY AND	EACH	1					1															
	POLE 24 FT.																						
87702860	STEEL COMBINATION MAST ARM ASSEMBLY AND	EACH	1					1															
	POLE 26 FT.																						
87702900	STEEL COMBINATION MAST ARM ASSEMBLY AND	EACH	1					1															
	POLE 34 FT.																						
87702920	STEEL COMBINATION MAST ARM ASSEMBLY AND	EACH	1					1															
	POLE 38 FT.																						
87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND	EACH	1					1															
	POLE 44 FT.																						
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20					20															
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4					4															
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH	FOOT	87.5					87.5															
	DIAMETER																						
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH	FOOT	13					13															
	DIAMETER																						
87900200	DRILL EXISTING HANDHOLE	EACH	5						5														

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE																													
CODE NO	ITEM	UNIT		ROADWAY 0004 STP FED 80% STATE 20%	ROADWAY 0004 STATE 100%	BIKE PATH 0028 CMAQ FED 80% VILLAGE 20% (MOUNT PROSPECT)	BIKE PATH 0028 CMAQ FED 80% VILLAGE 20% (DES PLAINES)	SIGNAL 0021 HSTP FED 90% STATE 8% VILLAGE 2%	INTERCONNECT 0021 CMAQ FED 80% STATE 20%	EVP 0021 VILLAGE 100% (MOUNT PROSPECT)	LIGHTING 0021 VILLAGE 100% (MOUNT PROSPECT)	LIGHTING 0021 VILLAGE 100% (DES PLAINES)	TS PAINT 0021 VILLAGE 100% (MOUNT PROSPECT)																				
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION,	EACH	24					24																									
	MAST-ARM MOUNTED																																
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION,	EACH	7					7																									
	BRACKET MOUNTED																																
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION,	EACH	2					2																									
	BRACKET MOUNTED																																
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION,	EACH	2					2																									
	MAST-ARM MOUNTED																																
88102710	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE,	EACH	10					10																									
	BRACKET MOUNTED																																
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED,	EACH	26					26																									
	FORMED PLASTIC																																
88500100	INDUCTIVE LOOP DETECTOR	EACH	17					17																									
88600100	DETECTOR LOOP, TYPE I	FOOT	1430					1430																									
88700200	LIGHT DETECTOR	EACH	5							5																							
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1							1																							
88800100	PEDESTRIAN PUSH-BUTTON	EACH	10					10																									
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1					1																									
																								REV-SEP									
																								* SPECIALTY ITEM									
FILE NAME =		USER NAME = diaza		DESIGNED -		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES				F.A.U. RTE.		SECTION		COUNTY		TOTAL SHEETS		SHEET NO.									
c:\pwworking\diaza\ad0368214\F139513-stt-cover.dgn				DRAWN -		REVISED -										3512		2019-006-N		COOK		146		17									
		PLOT SCALE = 100.0000 ' / 1in		CHECKED -		REVISED -																		CONTRACT NO. 62H87									
		PLOT DATE = 7/8/2021		DATE -		REVISED -										SCALE:		SHEET NO.		OF		SHEETS		STA.		TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

[illegible]

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE																										
CODE NO	ITEM	UNIT		ROADWAY 0004 STP FED 80% STATE 20%	ROADWAY 0004 STATE 100%	BIKE PATH 0028 CMAQ FED 80% VILLAGE 20% MOUNT PROSPECT	BIKE PATH 0028 CMAQ FED 80% VILLAGE 20% (DES PLAINES)	SIGNAL 0021 HSP FED 90% STATE 8% VILLAGE 2%	INTERCONNECT 0021 CMAQ FED 80% STATE 20%	EVP 0021 (MOUNT PROSPECT)	LIGHTING 0021 (MOUNT PROSPECT)	LIGHTING 0021 (DES PLAINES)	TS PAINT 0021 (MOUNT PROSPECT)																	
*	x1400211	LIGHT POLE, SPECIAL, 30'	EACH	1							1																			
*	x1400238	LUMINAIRE, LED, SPECIAL	EACH	6							6																			
*	x1400267	REMOVAL OF LIGHTING LUMINAIRE, NO	EACH	2							2																			
		SALVAGE																												
*	x1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1					1																					
△	x5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	350		350																								
	x6030310	FRAMES AND LIDS TO BE ADJUSTED	EACH	25	25																									
		(SPECIAL)																												
	x7010216	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1																									
		(SPECIAL)																												
	x7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	9003	9003																									
	x7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	240	240																									
*	x8040102	ELECTRIC SERVICE INSTALLATION, SPECIAL	EACH	1							1																			
*	x8250091	COMBINATION LIGHTING CONTROLLER	EACH	1							0.5	0.5																		
*	x8570215	FULL-ACTUATED CONTROLLER IN EXISTING	EACH	2					2																					
		CABINET																												
*	x8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1					1																					
*	x8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	4236					4236																					
*	x8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4					4																					
FILE NAME =			USER NAME = diazla		DESIGNED -		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION						SUMMARY OF QUANTITIES						F.A.U. RTE.		SECTION		COUNTY		TOTAL SHEETS		SHEET NO.	
pwa\planroom\dot\illinois\pwi\DOT\Documents\NDOT			Offices\District N\Pro\ed\PI39515\CADD\Info\Design\PI39515-5		DRAWN -		REVISED -														3512		2019-006-N		COOK		146		19	
			PLOT SCALE = 100,0000 ' / 1in.		CHECKED -		REVISED -														CONTRACT NO. 62H87									
			PLOT DATE = 7/8/2021		DATE -		REVISED -																							

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE																									
CODE NO	ITEM	UNIT		ROADWAY 0004 STP FED 80% STATE 20%	ROADWAY 0004 STATE 100%	BIKE PATH 0028 CMAQ FED 80% VILLAGE 20% (MOUNT PROSPECT)	BIKE PATH 0028 CMAQ FED 80% VILLAGE 20% (DES PLAINES)	SIGNAL 0021 HSTP FED 90% STATE 8% VILLAGE 2%	INTERCONNECT 0021 CMAQ FED 80% STATE 20%	EVP 0021 VILLAGE 100% (MOUNT PROSPECT)	LIGHTING 0021 VILLAGE 100% (MOUNT PROSPECT)	LIGHTING 0021 VILLAGE 100% (DES PLAINES)	TS PAINT 0021 VILLAGE 100% (MOUNT PROSPECT)																
Z0004562	COMBINATION CONCRETE CURB AND GUTTER	FOOT	30	30																									
	REMOVAL AND REPLACEMENT																												
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1																									
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	14		14																								
Z0022800	FENCE REMOVAL	FOOT	60	60																									
Z0024480	FLUTED KNEEWALL (SPECIAL)	FOOT	25	25																									
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	128.5	128.5																									
Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	23								10	13																	
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	12								12																		
Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1						1																				
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1																									
Z0056616	STORM SEWER (WATER MAIN REQUIREMENTS)	FOOT	104	104																									
	24 INCH																												
Z0064800	SELECTIVE CLEARING	UNIT	1	1																									
X8211007	TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	8							4	4																		
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1					1																					
X1400455	RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET	EACH	1					1																					
X1200295	STEEL CASING PIPE, BORED AND JACKED, 8"	FOOT	64					64															REV-SEP						
Z0076600	TRAINEES	HOURS	500	500																			Ø 0042						
Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	500	500																			Ø						
FILE NAME =		USER NAME = dlozla		DESIGNED -		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES								F.A.J. RTE.		SECTION		COUNTY		TOTAL SHEETS		SHEET NO.	
pw:\planroom\ddl\illinois\gov\FW1001\Documents\VDOT Offices\District N\Projects\PI39513\CADD\td\Design\PI39513-sheet		DRAWN -		REVISED -		REVISED -														3512		2019-006-N		COOK		146		20	
		PLOT SCALE = 100.0000 ' / 1in		CHECKED -		REVISED -																						CONTRACT NO. 62H87	
		PLOT DATE = 7/8/2021		DATE -		REVISED -														SCALE:		SHEET NO. OF SHEETS		STA. TO STA.		FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT	

LEGEND

1. EXISTING P.C.C. PAVEMENT, 6.5''-7.25''
2. EXISTING HMA COURSE, 5''-7.5''
3. EXISTING COMB. CONCRETE CURB & GUTTER
4. EXISTING P.C.C SIDEWALK
5. EXISTING PARKWAY
6. PROPOSED HMA SURFACE REMOVAL, 1 3/4''
7. PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4''
8. PROPOSED POLYMERIZED HMA SURFACE COURSE,

MIX "E", N70, 1 3/4''
9. PROPOSED HMA BASE COURSE, 7 1/2''
10. PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12''
11. PROPOSED COMB. CONCRETE CURB & GUTTER, TYPE B-6.12
12. PROPOSED P.C.C SIDEWALK 5''
13. PROPOSED SHARED USE PATH;

PROPOSED HMA SURFACE COURSE, MIX "D", IL-9.5, N50. 2''

PROPOSED AGGREGATE BASE COURSE, TYPE B, 6''
14. PROPOSED PAVEMENT REMOVAL
15. PROPOSED PIPE UNDERDRAINS, 4''
16. PROPOSED PARKWAY AND COMMERCIAL/PRIVATE ENTRANCES
17. PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2''

(JOINTED)

NOTE:

1. THE PROPOSED CONSTRUCTION ACTIVITIES ARE TO FOLLOW: 1) THE PLANTER BOX SURROUNDED BY CURBED CONCRETE WILL REMAIN UNDISTURBED 2) BRICK PARKWAYS DISTURBED DURING TRENCH BACKFILL REMOVAL WILL BE CONSTRUCTED WITH SIMILAR PAVER BLOCKS

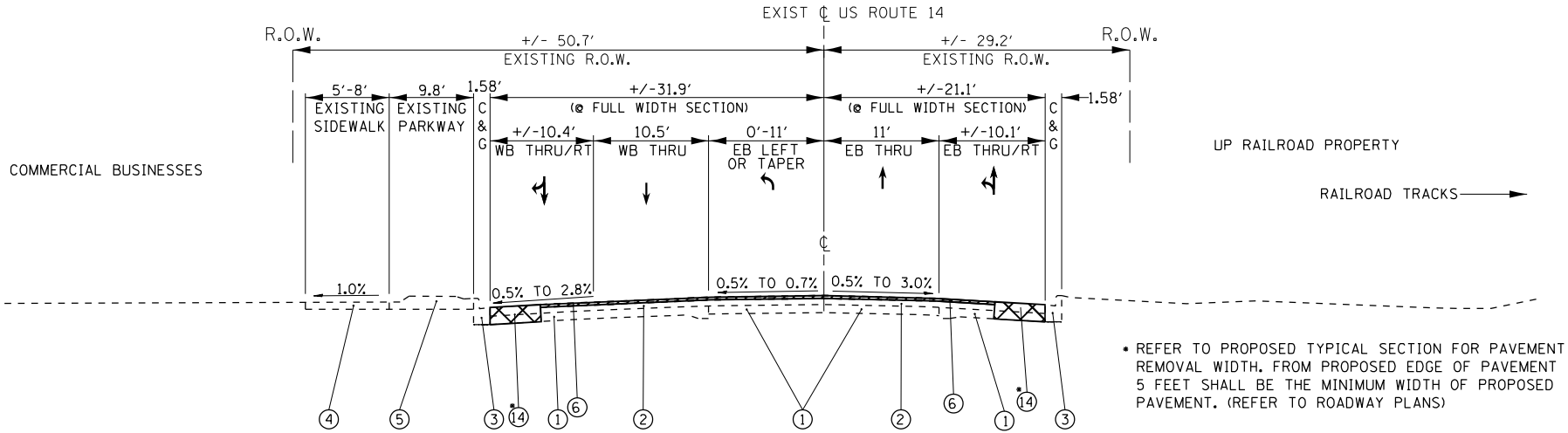
2. THE EXISTING PARKWAY TRANSFORMS INTO THE FOLLOWING LAYOUTS

(A) PLANTER BOX, CURBED WITH CONCRETE

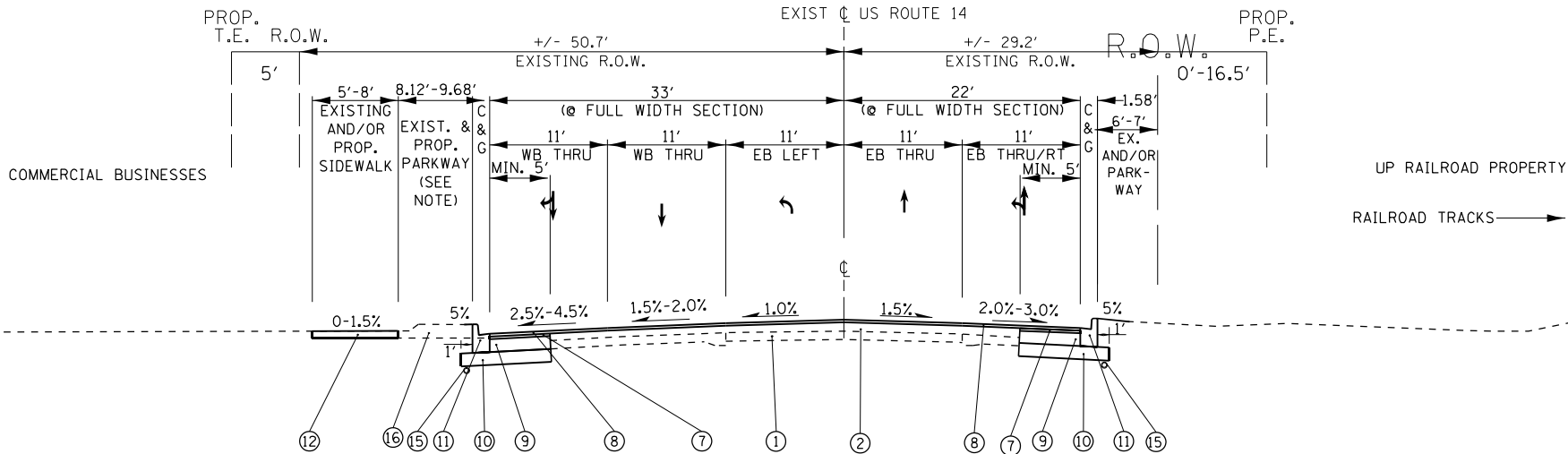
(B) ENTRANCE SIDEWALKS CONSTRUCTED WITH PAVER BLOCKS

(C) CONCRETE COMMERICAL ENTRANCE

NOT TO SCALE

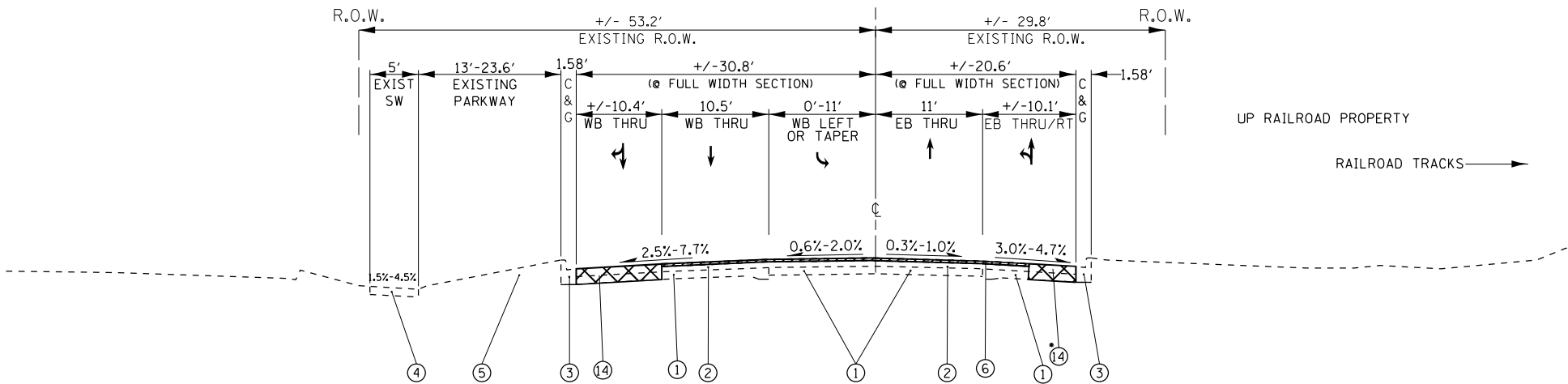


TYPICAL EXISTING ROADWAY CROSS SECTION
US ROUTE 14 at MT. PROSPECT ROAD
(STATION 697 + 00 TO 698 + 56.5)



TYPICAL PROPOSED ROADWAY CROSS SECTION
US ROUTE 14 at MT. PROSPECT ROAD
(STATION 697 + 00 TO 698 + 56.5)

FILE NAME =	USER NAME = diazio	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	U.S. 14 AT MT. PROSPECT ROAD U.S. 14 TYPICAL SECTIONS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\diazio\d0368274\PI39518-sht-typical.dgn		DRAWN -	REVISED -						3512	2019-006-N	COOK	146	21
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -		CONTRACT NO. 62H87								
Default	PLOT DATE = 8/6/2021	DATE -	REVISED -		SCALE:		SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

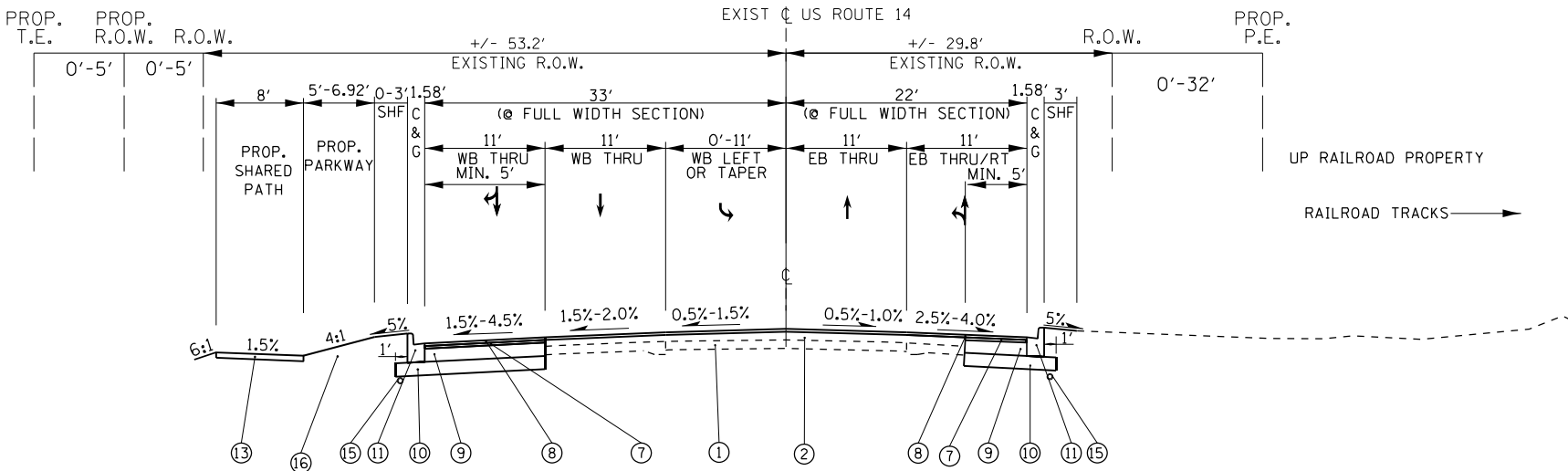


TYPICAL EXISTING ROADWAY CROSS SECTION
US ROUTE 14 at MT. PROSPECT ROAD
(STATION: 698 + 56.5 TO 707 + 23)

• REFER TO PROPOSED TYPICAL SECTION FOR PAVEMENT REMOVAL WIDTH. FROM PROPOSED EDGE OF PAVEMENT 5 FEET SHALL BE THE MINIMUM WIDTH OF PROPOSED PAVEMENT. (REFER TO ROADWAY PLANS)

LEGEND

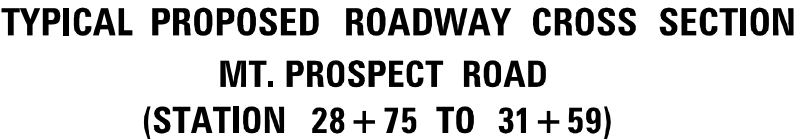
- EXISTING P.C.C. PAVEMENT, 6.5''-7.25''
- EXISTING HMA COURSE, 5''-7.5''
- EXISTING COMB. CONCRETE CURB & GUTTER
- EXISTING P.C.C. SIDEWALK
- EXISTING PARKWAY
- PROPOSED HMA SURFACE REMOVAL, 1 3/4''
- PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4''
- PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4''
- PROPOSED HMA BASE COURSE, 7 1/2''
- PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12''
- PROPOSED COMB. CONCRETE CURB & GUTTER, TYPE B-6.12
- PROPOSED P.C.C. SIDEWALK 5''
- PROPOSED SHARED USE PATH;
PROPOSED HMA SURFACE COURSE, MIX "D", IL-9.5, N50. 2''
PROPOSED AGGREGATE BASE COURSE, TYPE B, 6''
- PROPOSED PAVEMENT REMOVAL
- PROPOSED PIPE UNDERDRAINS, 4''
- PROPOSED PARKWAY AND COMMERCIAL/PRIVATE ENTRANCES
- PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2'' (JOINTED)



TYPICAL PROPOSED ROADWAY CROSS SECTION
US ROUTE 14 at MT. PROSPECT ROAD
(STATION: 698 + 56.5 TO 707 + 23)

NOT TO SCALE

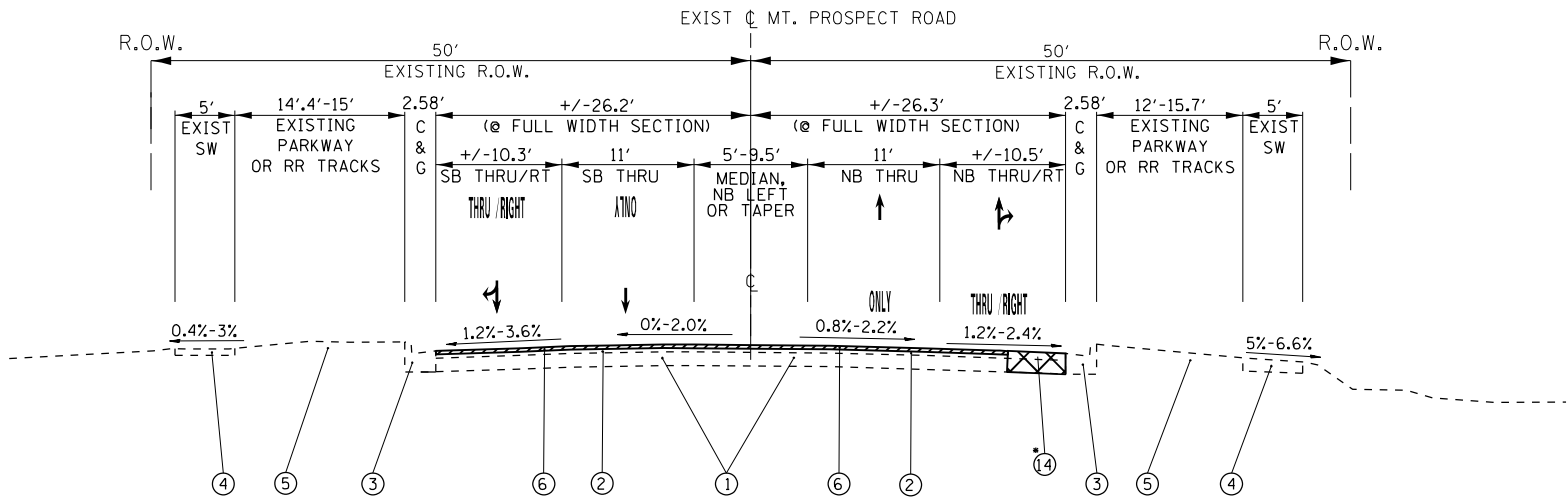
FILE NAME =	USER NAME = diazo	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	U.S. 14 AT MT. PROSPECT ROAD U.S. 14 TYPICAL SECTIONS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\pwork\diazo\d0368274\PI39518-sht-typical.dgn		DRAWN -	REVISED -						3512	2019-006-N	COOK	146	22	
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -						CONTRACT NO. 62H87					
Default	PLOT DATE = 8/6/2021	DATE -	REVISED -						SCALE:		SHEET OF SHEETS	STA.	TO STA.	
									ILLINOIS FED. AID PROJECT					



1. EXISTING P.C.C. PAVEMENT, 5'-11"
2. EXISTING HMA COURSE, 2 3/4" - 12"
3. EXISTING COMB. CONCRETE CURB & GUTTER
4. EXISTING P.C.C SIDEWALK
5. EXISTING PARKWAY
6. PROPOSED HMA SURFACE REMOVAL, 1 3/4"
7. PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"
8. PROPOSED POLYMERIZED HMA SURFACE COURSE,
MIX "E", N70, 1 3/4"
9. PROPOSED HMA BASE COURSE, 9 1/2"
10. PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
11. PROPOSED COMB. CONCRETE CURB & GUTTER, TYPE B-6.12
12. PROPOSED P.C.C SIDEWALK 5"
13. PROPOSED SHARED USE PATH;
PROPOSED HMA SURFACE COURSE, MIX "D", IL-9.5, N50. 2"
PROPOSED AGGREGATE BASE COURSE, TYPE B, 6"
14. PROPOSED PAVEMENT REMOVAL
15. PROPOSED PIPE UNDERDRAINS, 4"
16. PROPOSED PARKWAY AND COMMERCIAL/PRIVATE ENTRANCES
17. PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2"

(JOINTED)

FILE NAME :	USER NAME = diazio	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	U.S. ROUTE 14 AT MT. PROSPECT ROAD MT. PROSPECT ROAD TYPICAL SECTIONS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw_work\pwwdot\diazio\d0368274\PI39518-sht-typical.dgn		DRAWN -	REVISED -						3512	2019-006-N	COOK	146	23
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -		CONTRACT NO. 62H87								
	PLOT DATE = 8/10/2021	DATE -	REVISED -		SCALE:	SHEET OF	SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				

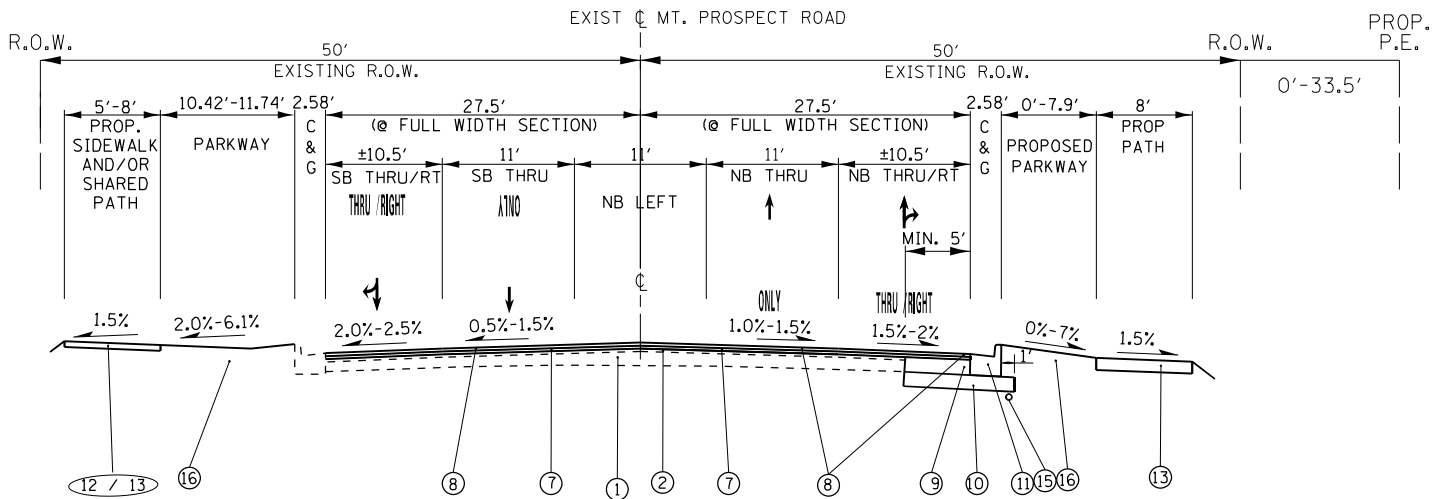


TYPICAL EXISTING ROADWAY CROSS SECTION
MT. PROSPECT ROAD
(STATION 31+59 TO 33+50)

• REFER TO PROPOSED TYPICAL SECTION FOR PAVEMENT REMOVAL WIDTH. FROM PROPOSED EDGE OF PAVEMENT 5 FEET SHALL BE THE MINIMUM WIDTH OF PROPOSED PAVEMENT. (REFER TO ROADWAY PLANS)

LEGEND

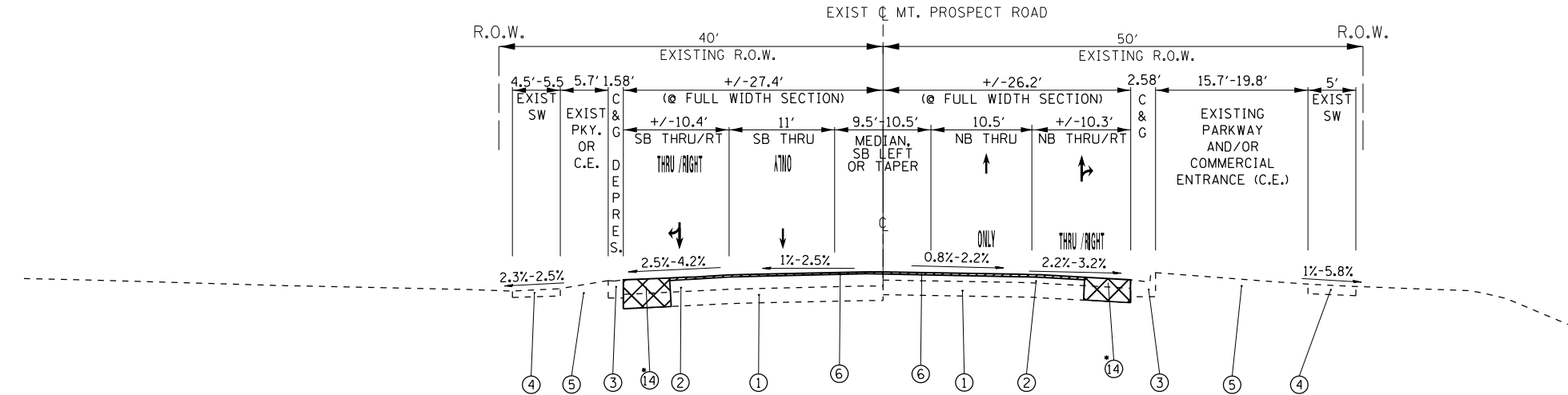
- EXISTING P.C.C. PAVEMENT, 5'-11"
 - EXISTING HMA COURSE, 2 3/4" - 12"
 - EXISTING COMB. CONCRETE CURB & GUTTER
 - EXISTING P.C.C SIDEWALK
 - EXISTING PARKWAY
 - PROPOSED HMA SURFACE REMOVAL, 2 1/2"
 - PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"
 - PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"
 - PROPOSED HMA BASE COURSE, 9 1/2"
 - PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - PROPOSED COMB. CONCRETE CURB & GUTTER, TYPE B-6.12
 - PROPOSED P.C.C SIDEWALK 5"
 - PROPOSED SHARED USE PATH;
PROPOSED HMA SURFACE COURSE, MIX "D", IL-9.5, N50. 2"
PROPOSED AGGREGATE BASE COURSE, TYPE B, 6"
 - PROPOSED PAVEMENT REMOVAL
 - PROPOSED PIPE UNDERDRAINS, 4"
 - PROPOSED PARKWAY AND COMMERCIAL/PRIVATE ENTRANCES
 - PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2"
- (JOINTED)



TYPICAL PROPOSED ROADWAY CROSS SECTION
MT. PROSPECT ROAD
(STATION 31+59 TO 33+50)

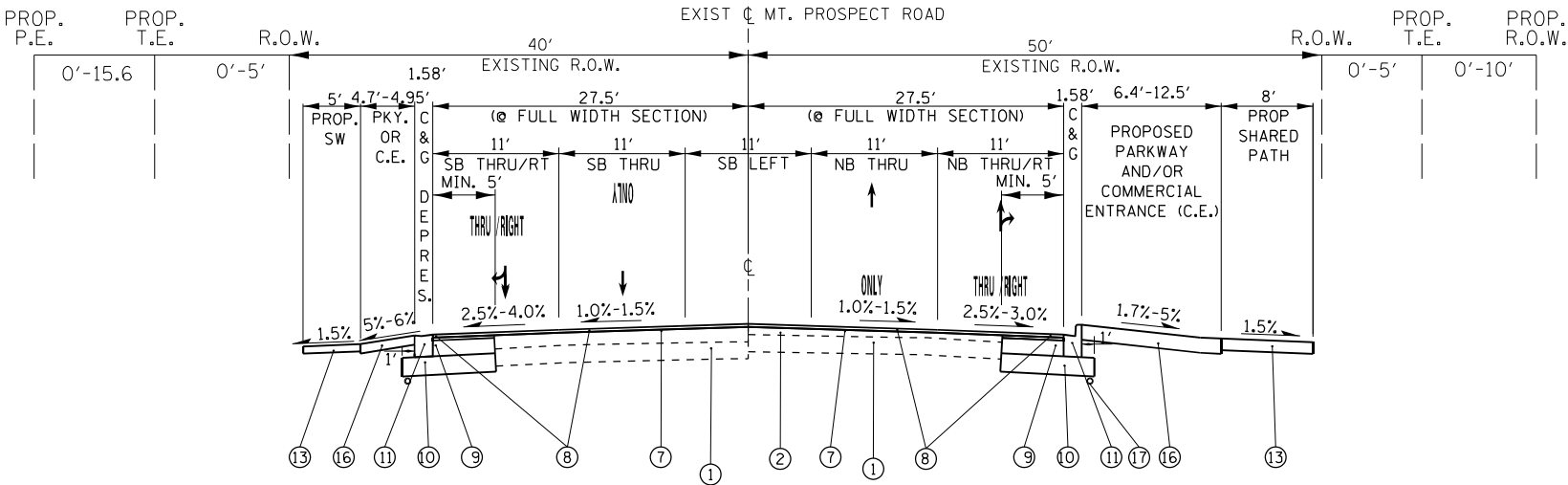
NOT TO SCALE

FILE NAME =	USER NAME = diazio	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	U.S. ROUTE 14 AT MT. PROSPECT ROAD MT. PROSPECT ROAD TYPICAL SECTIONS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\dot\diazio\d0368274\PI39518-sh-typical.dgn	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -				3512	2019-006-N	COOK	146	24
Default	PLOT DATE = 8/6/2021	CHECKED -	REVISED -		CONTRACT NO. 62H87		ILLINOIS FED. AID PROJECT				
		DATE -	REVISED -		SCALE:		SHEET	OF	SHEETS	STA.	TO STA.



**TYPICAL EXISTING ROADWAY CROSS SECTION
MT. PROSPECT ROAD
(STATION 33 + 50 TO 36 + 25)**

• REFER TO PROPOSED TYPICAL SECTION FOR PAVEMENT REMOVAL WIDTH. FROM PROPOSED EDGE OF PAVEMENT 5 FEET SHALL BE THE MINIMUM WIDTH OF PROPOSED PAVEMENT. (REFER TO ROADWAY PLANS)



**TYPICAL PROPOSED ROADWAY CROSS SECTION
MT. PROSPECT ROAD
(STATION 33 + 50 TO 36 + 25)**

LEGEND

- 1. EXISTING P.C.C. PAVEMENT, 5''-11''
- 2. EXISTING HMA COURSE, 2 3/4'' - 12''
- 3. EXISTING COMB. CONCRETE CURB & GUTTER
- 4. EXISTING P.C.C SIDEWALK
- 5. EXISTING PARKWAY
- 6. PROPOSED HMA SURFACE REMOVAL, 1 3/4''
- 7. PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4''
- 8. PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4''
- 9. PROPOSED HMA BASE COURSE, 9 1/2''
- 10. PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12''
- 11. PROPOSED COMB. CONCRETE CURB & GUTTER, TYPE B-6.12
- 12. PROPOSED P.C.C SIDEWALK 5''
- 13. PROPOSED SHARED USE PATH;
PROPOSED HMA SURFACE COURSE, MIX "D", IL-9.5, N50. 2''
PROPOSED AGGREGATE BASE COURSE, TYPE B, 6''
- 14. PROPOSED PAVEMENT REMOVAL
- 15. PROPOSED PIPE UNDERDRAINS, 4''
- 16. PROPOSED PARKWAY AND COMMERCIAL/PRIVATE ENTRANCES
- 17. PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2'' (JOINTED)

NOT TO SCALE

LEGEND

1.

EXISTING P.C.C. PAVEMENT, 5’-11’’
2.

EXISTING HMA COURSE, 2 3/4’’ - 12’’
3.

EXISTING COMB. CONCRETE CURB & GUTTER
4.

EXISTING P.C.C SIDEWALK
5.

EXISTING PARKWAY
6.

PROPOSED HMA SURFACE REMOVAL, 2 1/2’’
7.

PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4’’
8.

PROPOSED POLYMERIZED HMA SURFACE COURSE,

MIX ’’E’’, N70, 1 3/4’’
9.

PROPOSED HMA BASE COURSE, 9 1/2’’
10.

PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12’’
11.

PROPOSED COMB. CONCRETE CURB & GUTTER, TYPE B-6.12
12.

PROPOSED P.C.C SIDEWALK 5’’
13.

PROPOSED SHARED USE PATH;

PROPOSED HMA SURFACE COURSE, MIX ’’D’’, IL-9.5, N50. 2’’

PROPOSED AGGREGATE BASE COURSE, TYPE B, 6’’
14.

PROPOSED PAVEMENT REMOVAL
15.

PROPOSED PIPE UNDERDRAINS, 4’’
16.

PROPOSED PARKWAY AND COMMERCIAL/PRIVATE ENTRANCES
17.

PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2’’

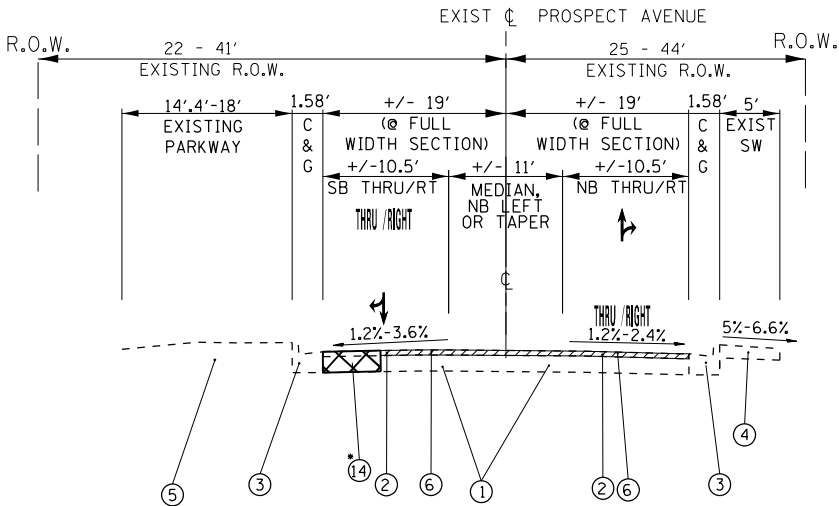
(JOINTED)

ROADWAY NOTE:

1. CONTRACTOR SHALL MILL FIRST BEFORE PATCHING

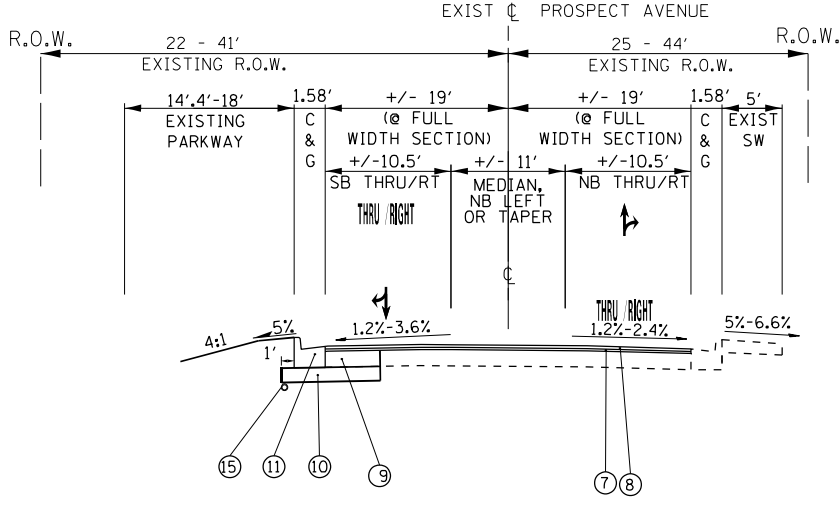
NOTE:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN
2. THE ’’AC TYPE’’ FOR POLYMERIZED HMA MIXES SHALL BE ’’SBS/SBR PG 76-22’’ AND FOR NON-POLYMERIZED HMA THE ’’AC TYPE’’ SHALL BE ’’PG 64-22’’ UNLESS MODIFIED BY SPECIAL PROVISIONS.
3. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
4. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE



TYPICAL EXISTING ROADWAY CROSS SECTION
PROSPECT AVENUE
(STATION 212+97 TO 216+00)

• REFER TO PROPOSED TYPICAL SECTION FOR PAVEMENT REMOVAL WIDTH. FROM PROPOSED EDGE OF PAVEMENT 5 FEET SHALL BE THE MINIMUM WIDTH OF PROPOSED PAVEMENT. (REFER TO ROADWAY PLANS)



TYPICAL PROPOSED ROADWAY CROSS SECTION
PROSPECT AVENUE
(STATION 212+97 TO 216+00)

MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE USES	AIR VOIDS @ Ndes	
ROADWAY RESURFACING		
POLYMERIZED HMA SURFACE COURSE, MIX ’’E’’, IL-9.5, N70, 1 3/4’’	4.0% AT 70 GYR.	QC/QA
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4’’	3.5% AT 50 GYR.	QC/QA
ROADWAY WIDENING		
POLYMERIZED HMA SURFACE COURSE, MIX ’’E’’, IL-9.5, N70, 1 3/4’’	4.0% AT 70 GYR.	QC/QA
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4’’	3.5% AT 50 GYR.	QC/QA
HMA BASE COURSE (HMA BINDER COURSE, IL-19), 7 1/2’’	4.0% AT 70 GYR.	QC/QA
HMA BASE COURSE (HMA BINDER COURSE, IL-19), 9 1/2’’	4.0% AT 70 GYR.	QC/QA
MULTI-USE PATH		
HMA SURFACE SOURCE, MIX ’’D’’, IL-9.5, N50, 2’’	4% AT 50 GYR.	QC/QA
PATCHING		
CLASS D PATCHES (HMA BINDER, IL-19.0 mm)	4% AT 70 GYR.	QC/QA
HMA DRIVEWAYS (PRIVATE ENTRANCE)		
HMA SURFACE COURSE, MIX ’’D’’, N50, IL-9.5, 2’’	4% AT 50 GYR.	QC/QA
HMA BASE COURSE (HMA BINDER COURSE, IL-19, N50), 6’’	4% AT 50 GYR.	QC/QA

QMP Designation: Pay for Performance (PFP); Quality Control/Quality Assurance (QC/QA); Quality Control for Performance (QCP)

MODEL Default
FILE Name: 130513-ep1-typical.dgn

USER NAME = dladia	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/6/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS	
US 14 AT MT. PROSPECT	
SCALE: 1"= 50'	SHEET OF SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	26
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				

LOCATION		EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE 15%	FILL	EARTHWORK BALANCE WASTE (+) SHORTAGE (-)	TOPSOIL EXCAVATION STRIP DEPTH = VAR 12"	TOPSOIL EXCAVATION ADJUSTED FOR a(5)	TOPSOIL FILL DEPTH = VAR 4"	TOPSOIL BALANCE WASTE (+) SHORTAGE (-)
US 14									
FROM STATION	TO STATION								
		CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
697+00	697+25	13	5	4	2	4	3	1	2
697+25	697+50	14	6	7	-1	11	3	2	1
697+50	698+00	36	12	15	-3	29	9	6	3
698+00	699+00	67	13	64	-51	74	12	15	-3
699+00	700+00	49	10	92	-81	96	39	16	23
700+00	701+00	52	21	71	-50	84	75	14	61
701+00	702+00	53	33	59	-26	84	78	14	64
702+00	703+00	56	48	72	-24	100	100	16	84
703+00	704+00	73	62	80	-17	124	124	19	105
704+00	705+00	112	95	50	45	118	118	15	103
705+00	706+00	97	82	27	55	70	70	9	60
706+00	707+00	46	39	25	14	35	35	10	26
707+00	707+23	8	7	5	2	8	8	3	5
SUB-TOTAL		676	435	570	-135	837	674	139	535

EARTH EXCAVATION SUMMARY		
	EARTHWORK BALANCE (CY)	TOPSOIL BALANCE (CY)
	WASTE (+) SHORTAGE (-)	WASTE (+) SHORTAGE (-)
US 14	-135	535
Mt. Prospect	-247	145
TOTAL	-383	680

EARTHWORK NOTES:

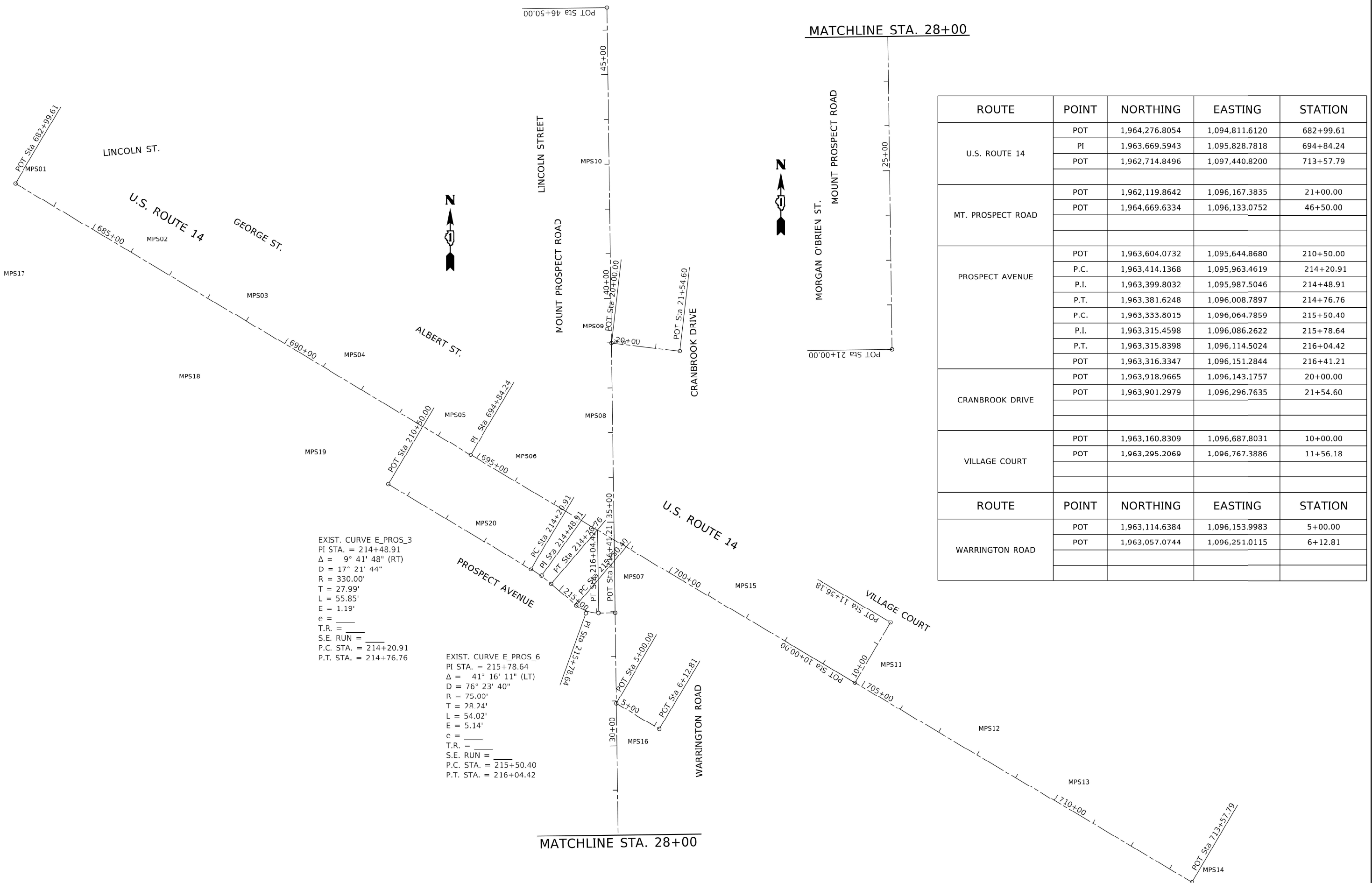
1. STATION RANGE
2. VOLUME TO BE CUT
3. VOLUME TO BE USED AS FILL AFTER EITHER ADJUSTING 15% FOR SHRINKAGE AND LOSSES, OR OMISSION DUE TO HAVING AN A(5) CONTAMINATED SITE PER THE PSI REPORT
4. VOLUME TO BE FILLED
5. COLUMN (4) MINUS COLUMN (3)
6. TOPSOIL STRIPPING VOLUME
7. TOPSOIL FILL VOLUME
8. COLUMN (7) MINUS COLUMN (6)

LOCATION		EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE 15%	FILL	EARTHWORK BALANCE WASTE (+) SHORTAGE (-)	TOPSOIL EXCAVATION STRIP DEPTH = VAR 12"	TOPSOIL EXCAVATION ADJUSTED FOR a(5)	TOPSOIL FILL DEPTH = VAR 4"	TOPSOIL BALANCE WASTE (+) SHORTAGE (-)
MT. PROSPECT									
FROM STATION	TO STATION								
(1)		CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
US 14									
28+75	29+00	4	3	1	2	1	1	0	1
29+00	30+00	18	15	4	11	6	6	1	5
30+00	31+00	23	19	15	4	33	33	4	29
31+00	32+00	31	26	26	0	62	62	9	53
32+00	33+00	36	16	42	-26	92	56	17	38
33+00	34+00	71	3	34	-31	116	28	14	14
34+00	34+60	58	12	90	-78	106	20	5	14
34+60	35+00	34	7	67	-60	68	11	5	6
35+00	35+63	46	0	33	-33	61	0	7	-7
35+63	36+00	22	0	23	-23	41	0	5	-5
36+00	36+25	14	0	15	-15	31	0	4	-4
SUB-TOTAL		355	102	349	-247	617	216	71	145

MODEL Default
FILE Name: C:\pwworking\dmah0036827\10130513-rt-ctch.tbl,cgm

	USER NAME = diazia	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES US 14 AT MT. PROSPECT				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						3512	2016-006-N	COOK	146	27
	PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -						CONTRACT NO. 62H87				
	PLOT DATE = 8/9/2021	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS	FED. AID PROJECT

MODEL: Default
FILE NAME: pw\waterroom\dot\illinois.gov\RWIDOT\Documents\DOT_Offices\District_1\Projects\PI39513\CADD\Drawings\PI39513-s1-A18.dgn



ROUTE	POINT	NORTHING	EASTING	STATION
U.S. ROUTE 14	POT	1,964,276.8054	1,094,811.6120	682+99.61
	PI	1,963,669.5943	1,095,828.7818	694+84.24
	POT	1,962,714.8496	1,097,440.8200	713+57.79
MT. PROSPECT ROAD	POT	1,962,119.8642	1,096,167.3835	21+00.00
	POT	1,964,669.6334	1,096,133.0752	46+50.00
PROSPECT AVENUE	POT	1,963,604.0732	1,095,644.8680	210+50.00
	P.C.	1,963,414.1368	1,095,963.4619	214+20.91
	P.I.	1,963,399.8032	1,095,987.5046	214+48.91
	P.T.	1,963,381.6248	1,096,008.7897	214+76.76
	P.C.	1,963,333.8015	1,096,064.7859	215+50.40
	P.I.	1,963,315.4598	1,096,086.2622	215+78.64
	P.T.	1,963,315.8398	1,096,114.5024	216+04.42
	POT	1,963,316.3347	1,096,151.2844	216+41.21
CRANBROOK DRIVE	POT	1,963,918.9665	1,096,143.1757	20+00.00
	POT	1,963,901.2979	1,096,296.7635	21+54.60
VILLAGE COURT	POT	1,963,160.8309	1,096,687.8031	10+00.00
	POT	1,963,295.2069	1,096,767.3886	11+56.18
ROUTE	POINT	NORTHING	EASTING	STATION
WARRINGTON ROAD	POT	1,963,114.6384	1,096,153.9983	5+00.00
	POT	1,963,057.0744	1,096,251.0115	6+12.81

EXIST. CURVE E_PROS_3
PI STA. = 214+48.91
Δ = 9° 41' 48" (RT)
D = 17° 21' 44"
R = 330.00'
T = 27.99'
L = 55.85'
E = 1.19'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 214+20.91
P.T. STA. = 214+76.76

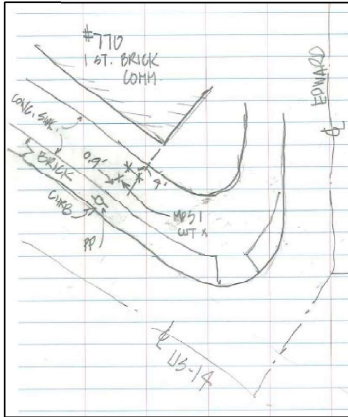
EXIST. CURVE E_PROS_6
PI STA. = 215+78.64
Δ = 41° 16' 11" (LT)
D = 76° 23' 40"
R = 75.00'
T = 28.24'
L = 54.02'
E = 5.14'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 215+50.40
P.T. STA. = 216+04.42

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS
U.S. ROUTE 14 AT MT. PROSPECT ROAD

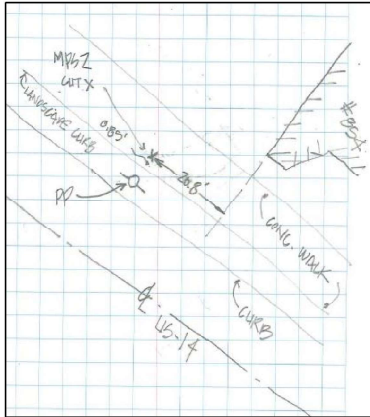
SCALE: 1"= 100' SHEET OF SHEETS SIA. TO SIA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	28
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				



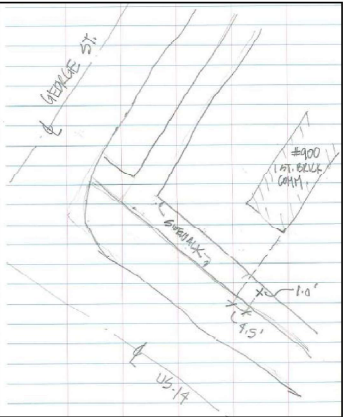
CONTROL POINT MPS1

U.S. ROUTE 14
STA. 683+32.50
N= 1964293.396
E= 1094859.821
ELEV.= 658.851



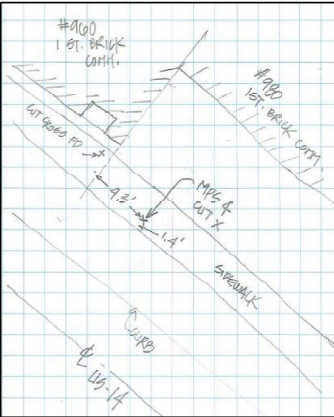
CONTROL POINT MPS2

U.S. ROUTE 14
STA. 686+47.33
N= 1964132.959
E= 1095130.711
ELEV.= 659.006



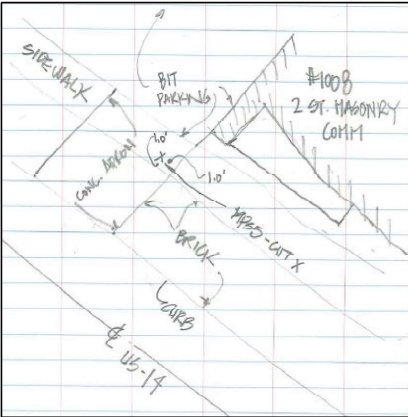
CONTROL POINT MPS3

U.S. ROUTE 14
STA. 689+04.69
N= 1964006.502
E= 1095354.946
ELEV.= 659.455



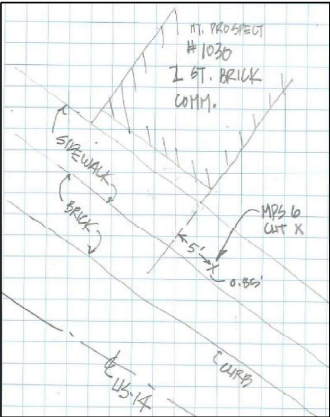
CONTROL POINT MPS4

U.S. ROUTE 14
STA. 691+59.85
N= 1963873.384
E= 1095572.651
ELEV.= 659.357



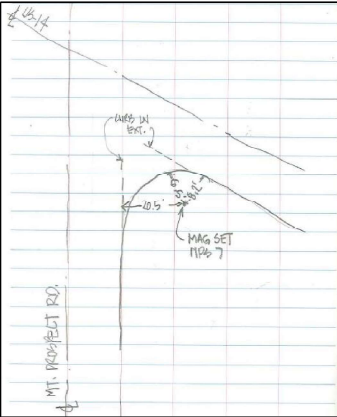
CONTROL POINT MPS5

U.S. ROUTE 14
STA. 694+21.82
N= 1963738.098
E= 1095796.980
ELEV.= 659.657



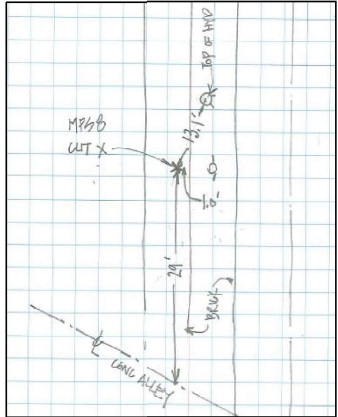
CONTROL POINT MPS6

U.S. ROUTE 14
STA. 696+06.34
N= 1963644.285
E= 1095955.709
ELEV.= 658.644



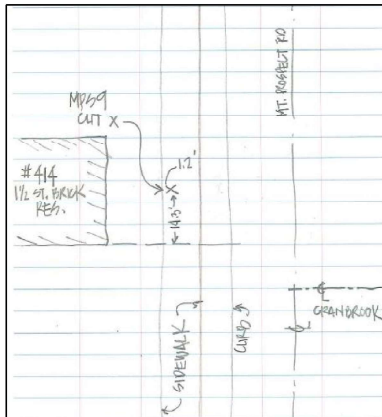
CONTROL POINT MPS7

U.S. ROUTE 14
STA. 699+29.28
N= 1963416.773
E= 1096196.282
ELEV.= 660.483



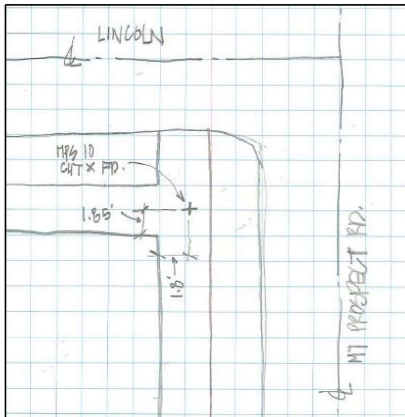
CONTROL POINT MPS8

MT. PROSPECT ROAD
STA. 37+19.25
N= 1963738.501
E= 1096110.680
ELEV.= 657.147



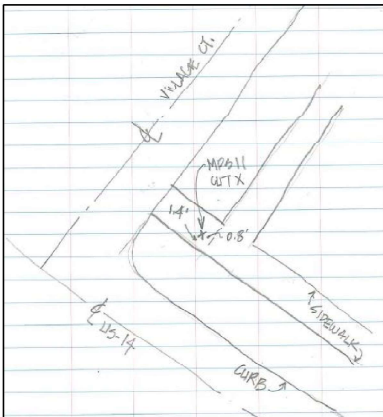
CONTROL POINT MPS9

MT. PROSPECT ROAD
STA. 39+18.60
N= 1963937.799
E= 1096105.453
ELEV.= 656.283



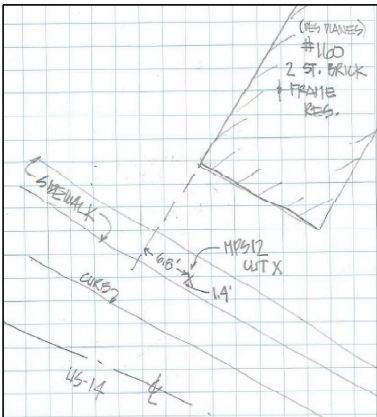
CONTROL POINT MPS10

MT. PROSPECT ROAD
STA. 42+89.25
N= 1964308.416
E= 1096100.938
ELEV.= 657.739



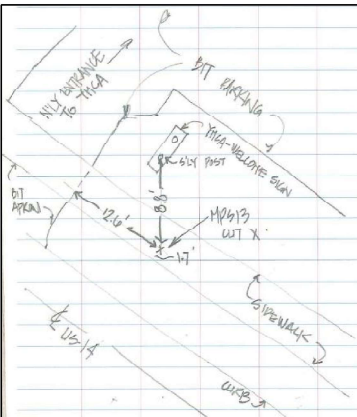
CONTROL POINT MPS11

U.S. ROUTE 14
STA. 705+11.02
N= 1963187.655
E= 1096736.700
ELEV.= 656.515



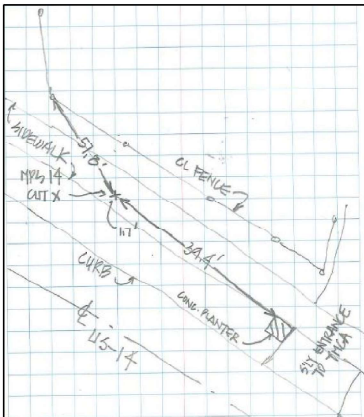
CONTROL POINT MPS12

U.S. ROUTE 14
STA. 708+05.67
N= 1963037.790
E= 1097190.410
ELEV.= 656.833



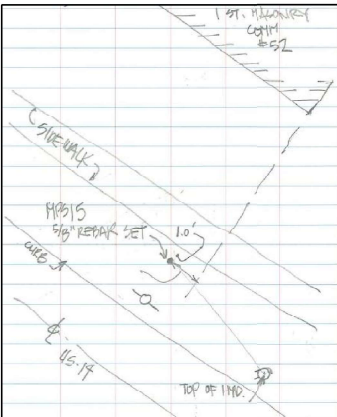
CONTROL POINT MPS13

U.S. ROUTE 14
STA. 710+38.06
N= 1962919.472
E= 1097190.410
ELEV.= 656.802



CONTROL POINT MPS14

U.S. ROUTE 14
STA. 713+53.12
N= 1962758.371
E= 1097461.165
ELEV.= 657.045



CONTROL POINT MPS15

U.S. ROUTE 14
STA. 701+74.25
N= 1963357.851
E= 1096446.101
ELEV.= 656.747

MODEL: Default
FILE NAME: pw\waterroom\dot\illinois\gov\RWIDOT\Documents\DOT Office\District 1\Projects\PI39513\CADD\DWG\CA3\Sheets\PI39513-st-A18.dgn

USER NAME = gaglianobt	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 200.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/4/2020	DATE -	REVISED -

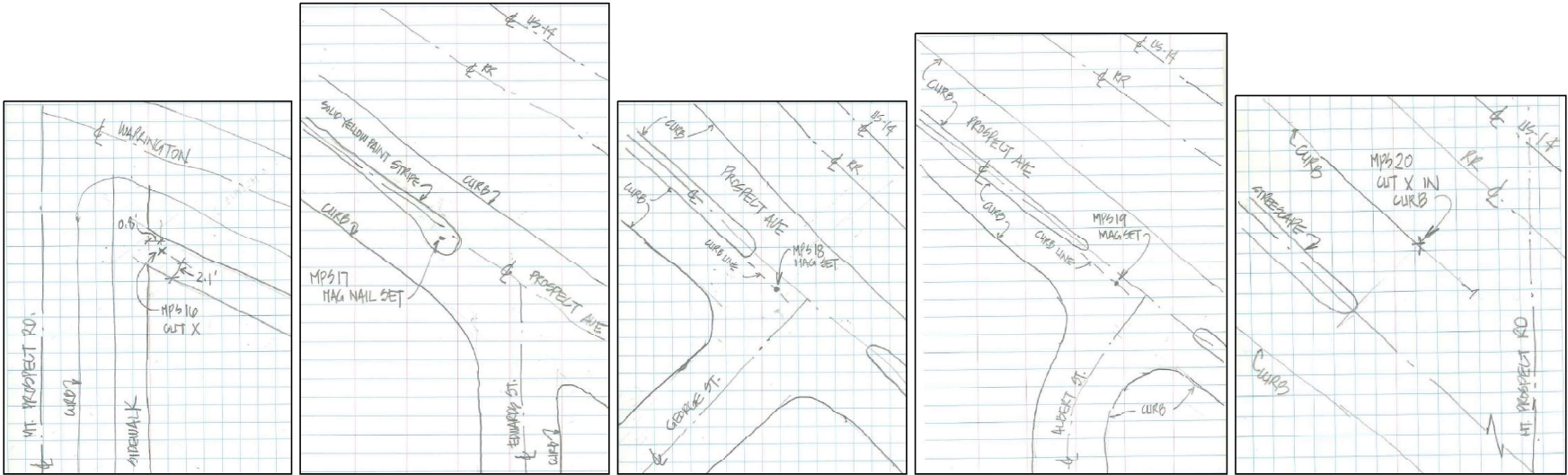
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS
U.S. ROUTE 14 AT MT. PROSPECT ROAD

SCALE: 1"= 100' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	29
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: pw\waterroom\dot\illinois.gov\RWIDOT\Documents\DOT Office\District 1\Projects\193513\CADD\Benchmarks\193513-st-ATB.dgn



BENCHMARK #22

ELEV. = 660.065

BENCHMARK #23

ELEV. = 658.157

CONTROL POINT MPS16

MT. PROSPECT ROAD
STA. 30+28.67
N= 1963049.136
E= 1096205.578
ELEV.= 656.583

CONTROL POINT MPS17

U.S. ROUTE 14
STA. 683+92.39
N= 1963861.477
E= 1094811.563
ELEV.= 657.678

CONTROL POINT MPS18

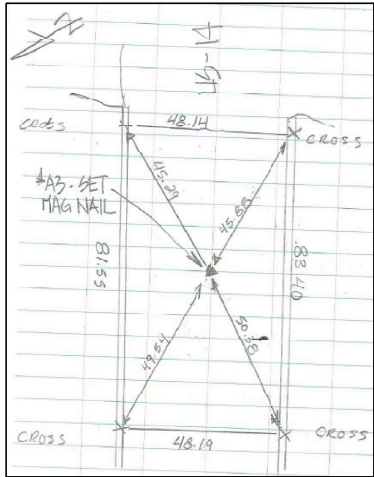
U.S. ROUTE 14
STA. 688+49.05
N= 1963861.477
E= 1095203.575
ELEV.= 660.335

CONTROL POINT MPS19

U.S. ROUTE 14
STA. 691+75.10
N= 1963695.498
E= 1095484.211
ELEV.= 660.626

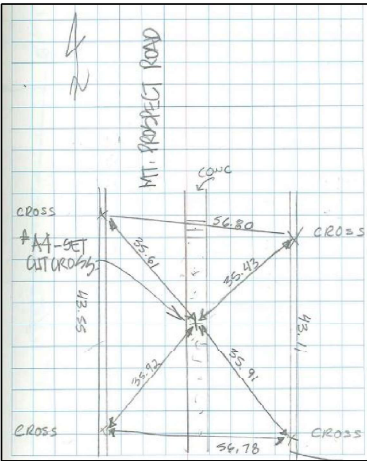
CONTROL POINT MPS20

PROSPECT ROAD
STA. 212+95.08
N= 1963496.469
E= 1095866.047
ELEV.= 660.157



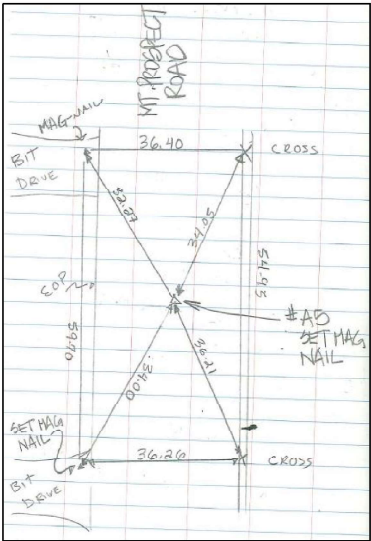
TIE POINT PTA3

XXXXXXXXXXXXX
XXXXXXXXXXXXX
STA.
N=
E=
ELEV.=



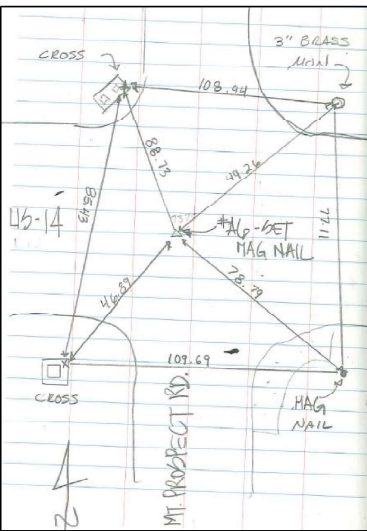
TIE POINT PTA4

XXXXXXXXXXXXX
XXXXXXXXXXXXX
STA.
N=
E=
ELEV.=



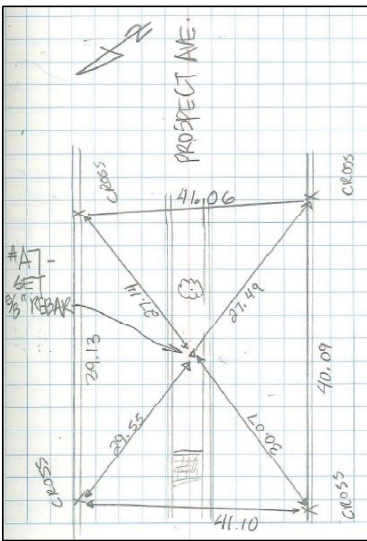
TIE POINT PTA5

XXXXXXXXXXXXX
XXXXXXXXXXXXX
STA.
N=
E=
ELEV.=



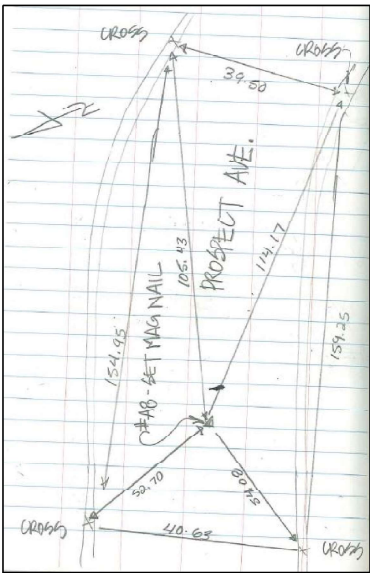
TIE POINT PTA6

XXXXXXXXXXXXX
XXXXXXXXXXXXX
STA.
N=
E=
ELEV.=



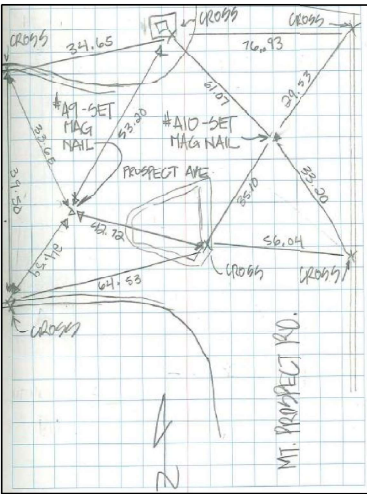
TIE POINT PTA7

XXXXXXXXXXXXX
XXXXXXXXXXXXX
STA.
N=
E=
ELEV.=



TIE POINT PTA8

XXXXXXXXXXXXX
XXXXXXXXXXXXX
STA.
N=
E=
ELEV.=



TIE POINTS PTA9 AND PTA10

XXXXXXXXXXXXX
XXXXXXXXXXXXX
STA.
N=
E=
ELEV.=

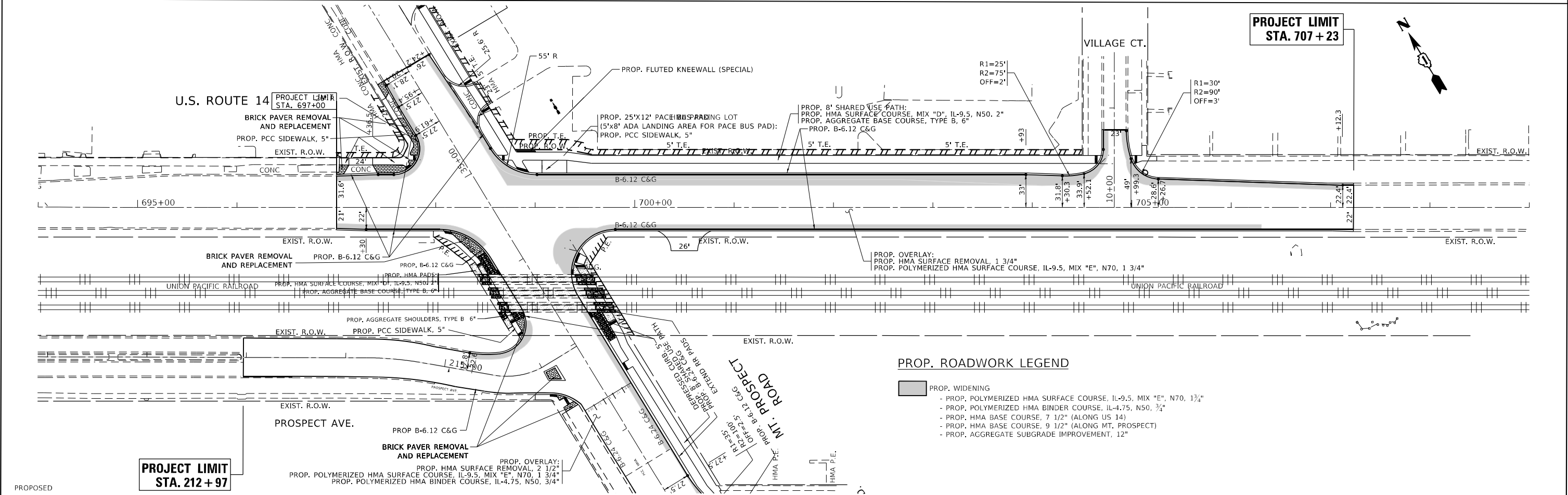
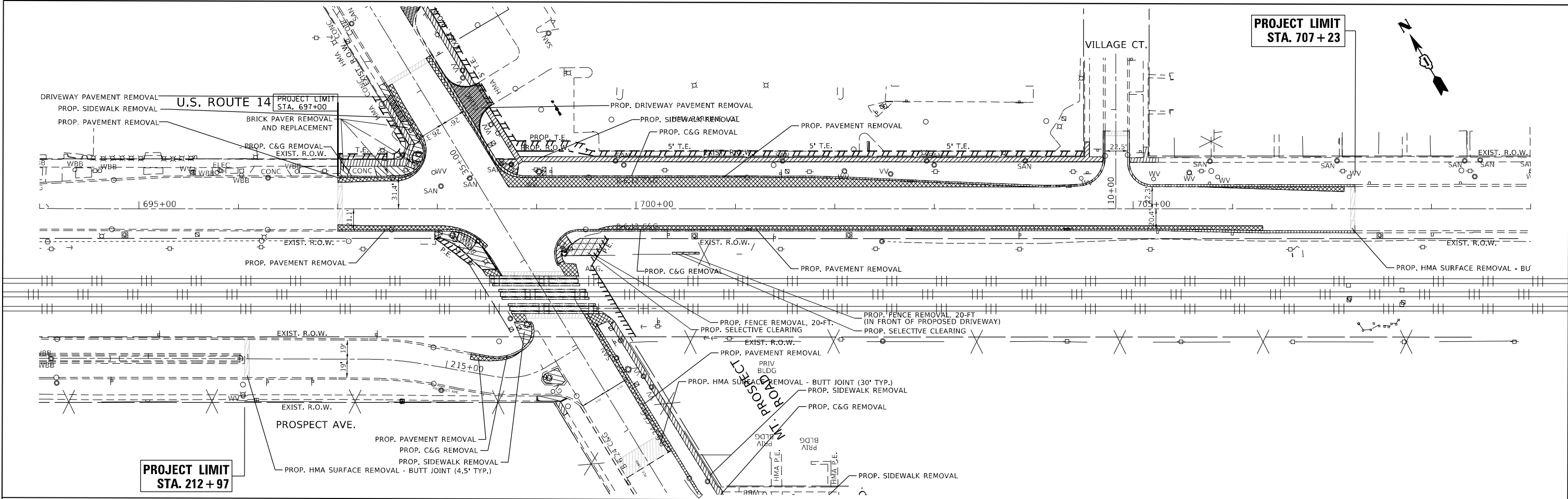
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS
U.S. ROUTE 14 AT MT. PROSPECT ROAD

SCALE: 1"= 100' SHEET OF SHEETS SIA. TO SIA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	30
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: C:\Users\dlazio\Desktop\62H87\62H87.dwg
PLOT DATE: 9/9/2021



PROPOSED

PROPOSED ROADWORK LEGEND

- PROPOSED WIDENING
 - PROPOSED POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "E", N70, 1 3/4"
 - PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"
 - PROPOSED HMA BASE COURSE, 7 1/2" (ALONG US 14)
 - PROPOSED HMA BASE COURSE, 9 1/2" (ALONG MT. PROSPECT)
 - PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"

PROJECT LIMIT
STA. 212+97

PROJECT LIMIT
STA. 707+23

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

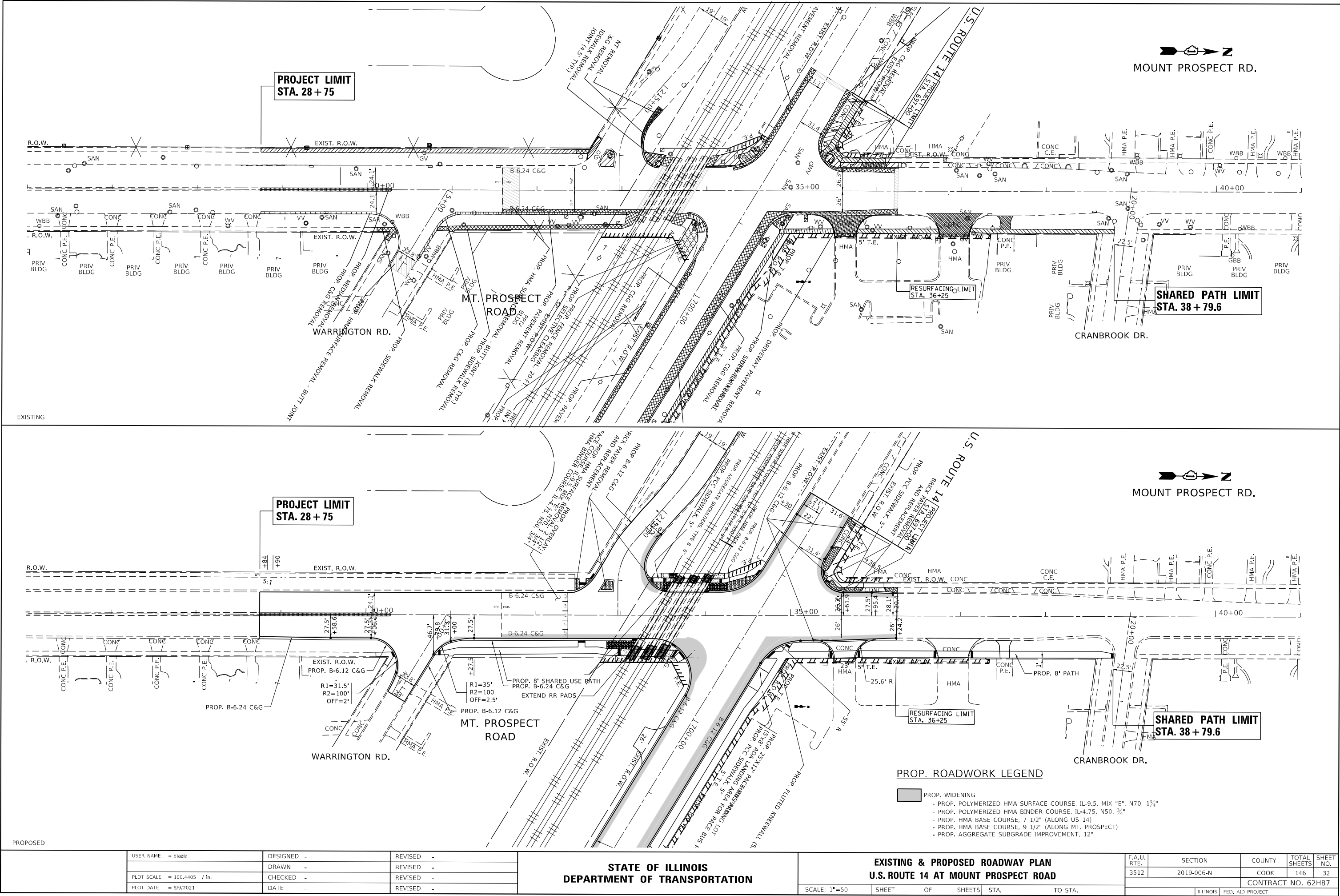
EXISTING & PROPOSED ROADWAY PLAN
U.S. ROUTE 14 AT MOUNT PROSPECT ROAD

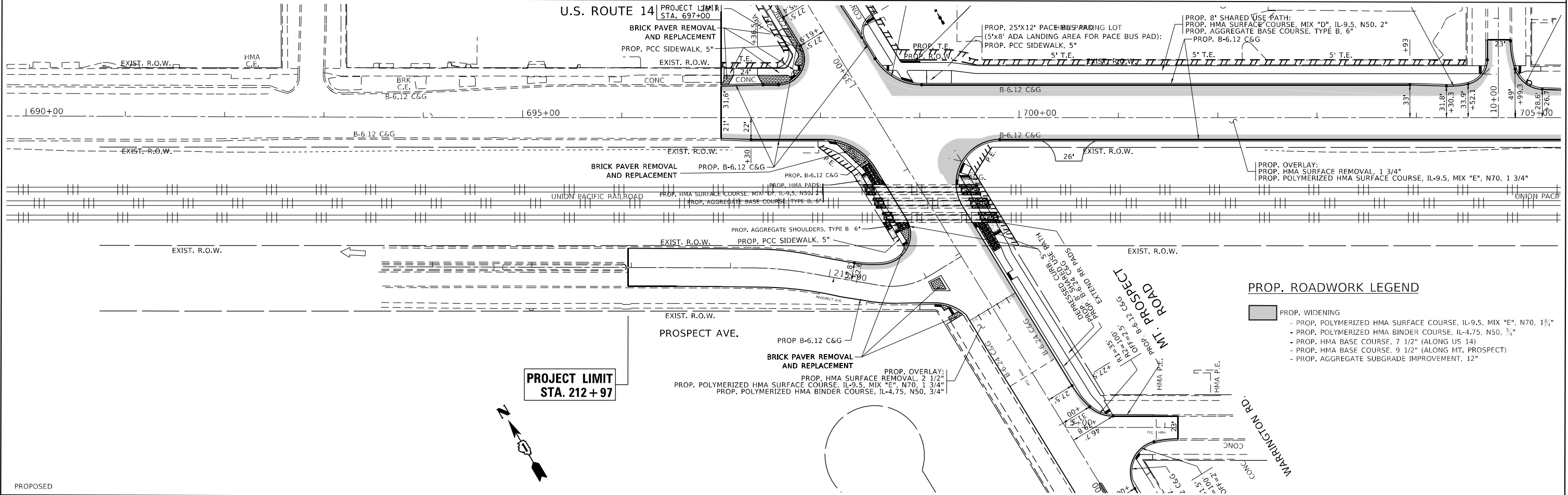
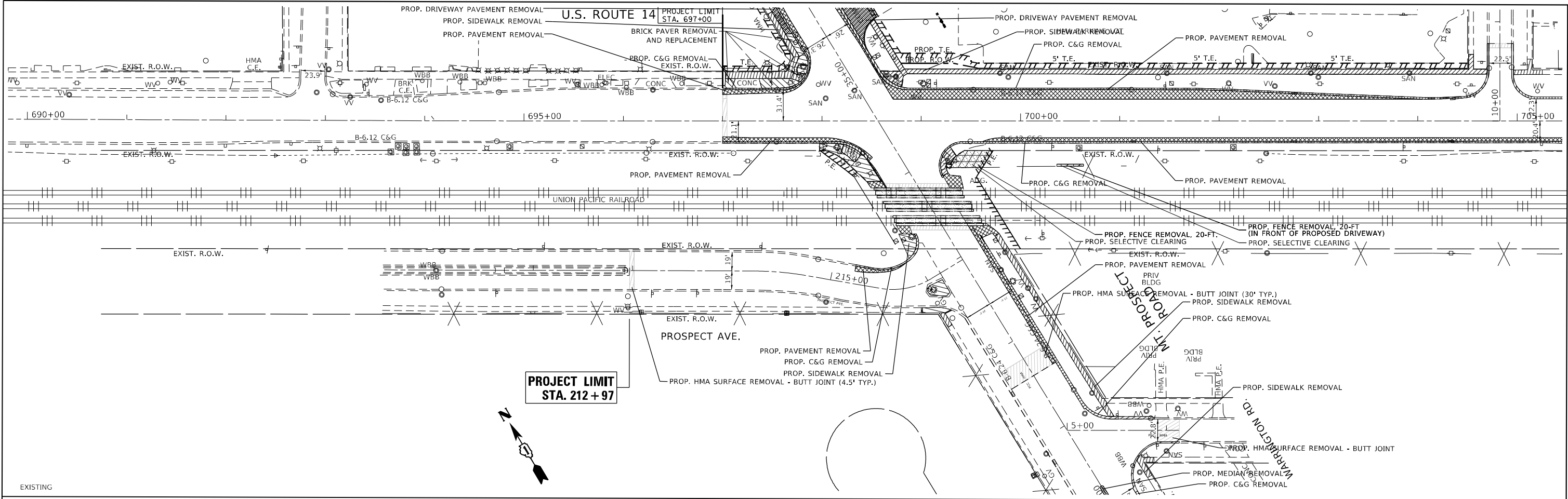
SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	31
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				

USER NAME	= dlazio	DESIGNED	-	REVISED	-
PLOT SCALE	= 100.4405' / 1in.	DRAWN	-	REVISED	-
PLOT DATE	= 9/9/2021	CHECKED	-	REVISED	-
		DATE	-	REVISED	-

MODEL: Default
FILE NAME: C:\Users\dlaza\Desktop\62H87\62H87.dwg
PLOT DATE: 9/9/2021





PROP. ROADWORK LEGEND	
	PROP. WIDENING
	- PROP. POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "E", N70, 1 3/4"
	- PROP. POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"
	- PROP. HMA BASE COURSE, 7 1/2" (ALONG US 14)
	- PROP. HMA BASE COURSE, 9 1/2" (ALONG MT. PROSPECT)
	- PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"

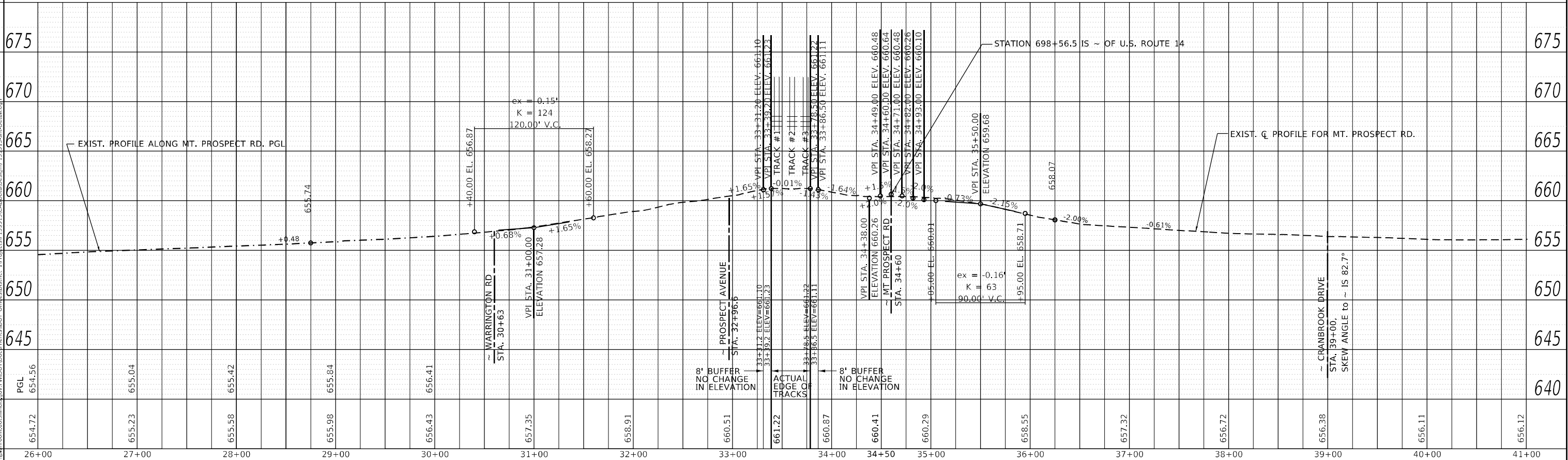
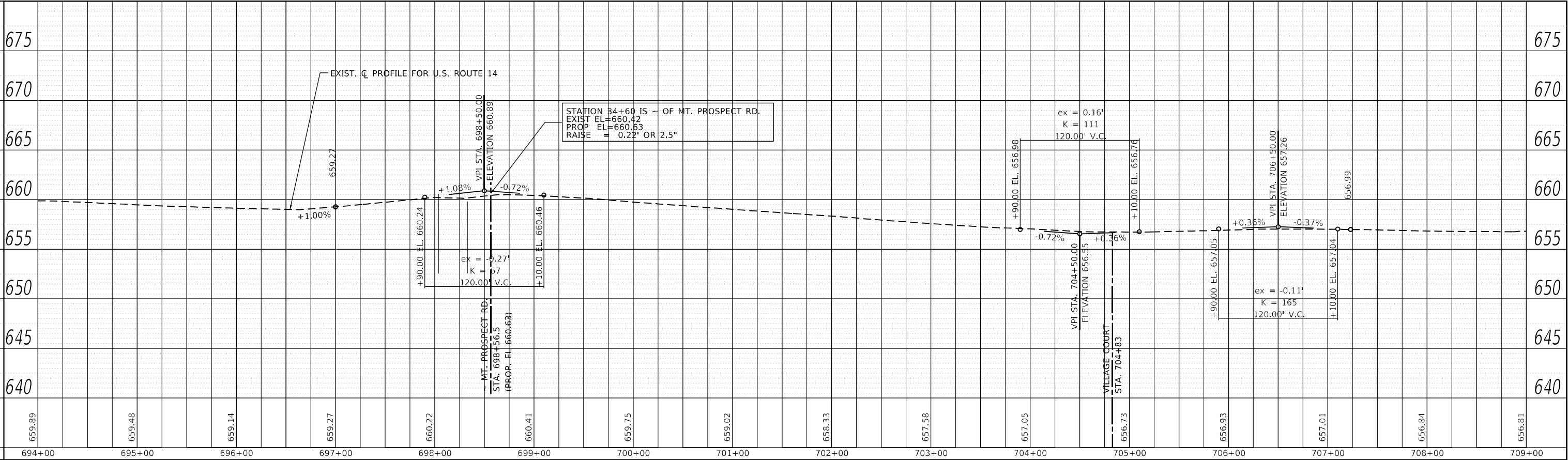
MODEL: Default
FILE NAME: C:\Users\diaz\Desktop\62H87\62H87.dwg
PLOT DATE: 9/9/2021

USER NAME = diazia	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING & PROPOSED ROADWAY PLAN U.S. ROUTE 14 AT MOUNT PROSPECT ROAD		F.A.U. RTE. 3512	SECTION 2019-006-N	COUNTY COOK	TOTAL SHEETS 146	SHEET NO. 33
	DRAWN -	REVISED -								
PLOT SCALE = 100.4405' / 1in.	CHECKED -	REVISED -								
PLOT DATE = 9/9/2021	DATE -	REVISED -								
				SCALE: 1"=50'	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			

PLAN	NO.	SURVEYED PLOTTED ALIGNMENT CHECKED CADD FILE NAME	BY	DATE

PROFILE	NO.	SURVEYED PLOTTED GRADES CHECKED STRUCTURE NOTATIONS CHWD	BY	DATE

MODEL: Default: \\d:\mason\dot\illinois\gov\PILOT\Documents\DOT_Offices\District_1\Projects\PI 395 13\CD\Drawings\DOT 395 13\Sheet\all.cgn
FILE: \\mason\dot\illinois\gov\PILOT\Documents\DOT_Offices\District_1\Projects\PI 395 13\CD\Drawings\DOT 395 13\Sheet\all.cgn



USER NAME = diaza	DESIGNED -	REVISED -
PLOT SCALE = 100,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 6/25/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

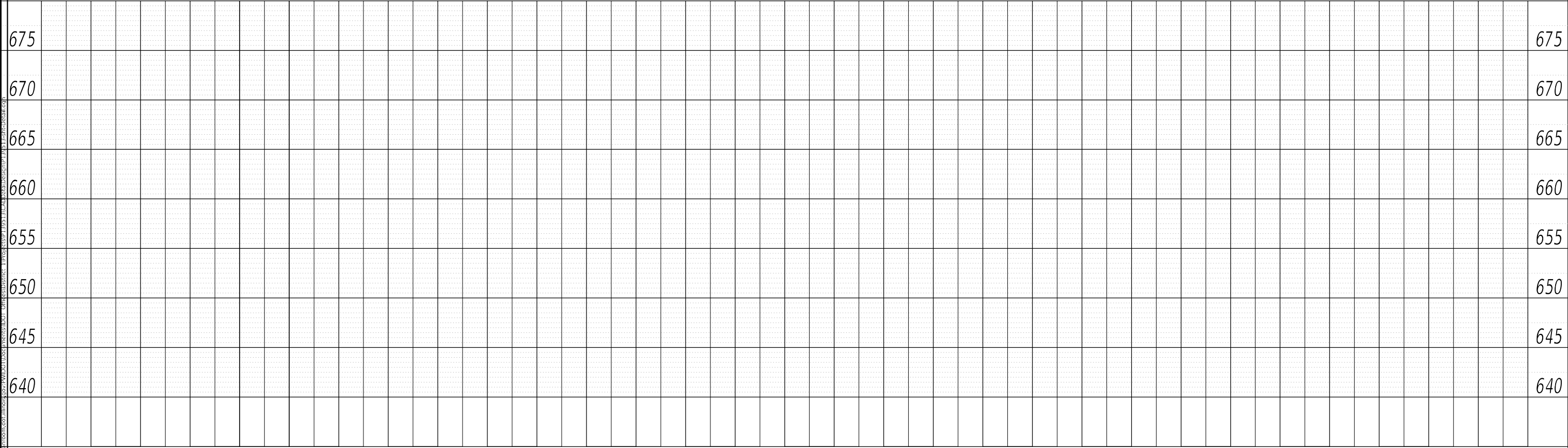
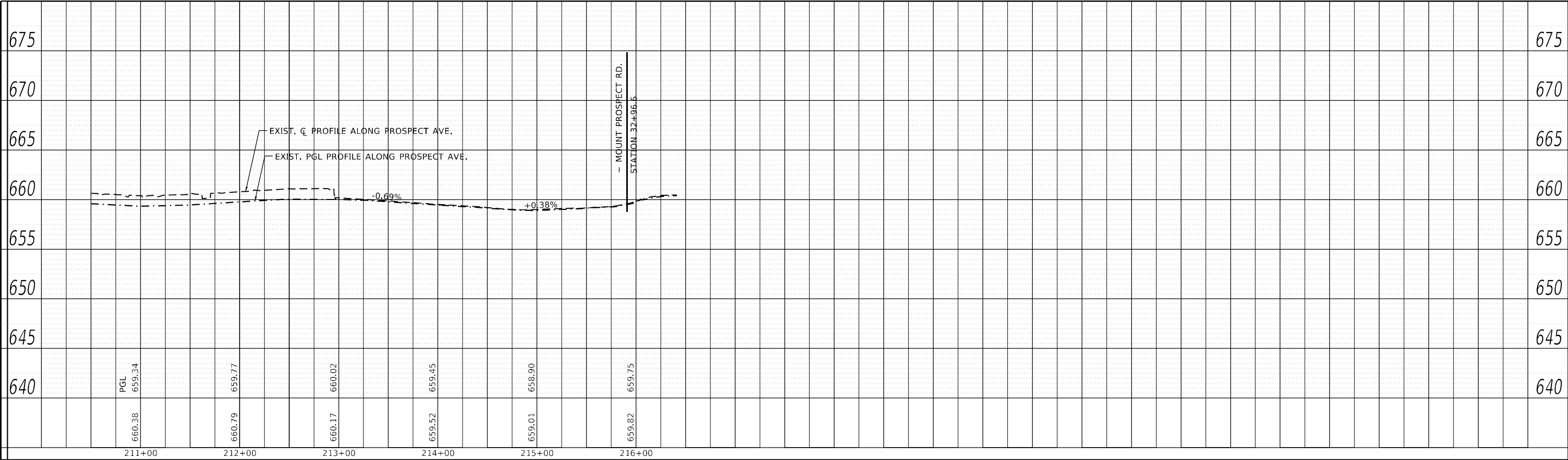
EXISTING ROADWAY PROFILE US 14 AT MT. PROSPECT			
SCALE:	SHEET	OF	SHEETS
STA.	TO	STA.	TO

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2016-006-N	COOK	146	34
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				

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

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
NOTE BOOK NO.	STRUCTURE NOTATION CHWD		

MODEL: Default\tdmason.dgn; I:\Illinois\gov\PI\PLOT Documents\DOT - Office\District - Projects\PI 395 13\CD\Data\Design\PI 395 13-shp-draw1.dgn
FILE: Note: gov\tdmason.dgn; I:\Illinois\gov\PI\PLOT Documents\DOT - Office\District - Projects\PI 395 13\CD\Data\Design\PI 395 13-shp-draw1.dgn



USER NAME = diaza	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/25/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING ROADWAY PROFILE US 14 AT MT. PROSPECT			
SCALE:	SHEET	OF	SHEETS
STA.		TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2016-006-N	COOK	146	35
CONTRACT NO. 62H87				
ILLINOIS		FED. AID PROJECT		

COMMON TO ALL STAGES

WORK CAN BE COMPLETED USING LANE CLOSURES DURING ALLOWABLE HOURS ONLY AS SPECIFIED IN THE SPECIAL PROVISION “KEEPING ARTERIAL ROADWAYS OPEN TO TRAFFIC”

STAGE I

ESTABLISH TRAFFIC CONTROL AS SHOWN.

REMOVE CONFLICTING PAVEMENT MARKING USING WATER BLASTING METHOD.

UP RAILROAD TO COME IN FOR PROPOSED RAILROAD ITEMS

REMOVE CONFLICTING CURB AND GUTTER AND DRAINAGE STRUCTURES. CONSTRUCT WIDENING ON SE QUADRANT OF US 14 AND MT. PROSPECT ROAD INCLUDING ALL COLLATERAL WORK AS SHOWN ON PLANS. EXCAVATION ON BOTH SIDES OF MT. PROSPECT ROAD, AT ANYONE LOCATION, AT THE SAME TIME IS NOT ALLOWED.

REMOVE CONFLICTING CURB AND GUTTER AND DRAINAGE STRUCTURES. CONSTRUCT WIDENING ON SW QUADRANT OF US 14 AND MT. PROSPECT. INCLUDING ALL COLLATERAL WORK AS SHOWN ON PLANS.

BEGIN GRADING WORK RELATED TO BIKE PATH SHELVES ON THE EAST SIDE OF MT. PROSPECT AND SOUTH SIDE OF US 14 INCLUDING ALL COLLATERAL WORK AS SHOWN ON PLANS.

INSTALL TEMPORARY EROSION CONTROL MEASURES AS SHOWN ON THE EROSION CONTROL PLAN.

NOTE: CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION. SIDEWALKS ON THE SOUTH QUADRANTS OF US 14 AND MT PROPSECT ROAD SHALL NOT BE CLOSED AT THE SAME TIME.

STAGE II

ESTABLISH TRAFFIC CONTROL AS SHOWN.

REMOVE CONFLICTING PAVEMENT MARKING USING WATER BLASTING METHOD.

REMOVE CONFLICTING CURB AND GUTTER AND DRAINAGE STRUCTURES. CONSTRUCT WIDENING ON WESTBOUND OF US 14, INCLUDING ALL COLLATERAL WORK AS SHOWN ON PLANS.

BEGIN GRADING WORK RELATED TO BIKE PATH SHELVES ON THE NORTH SIDE OF US 14 .

INSTALL TEMPORARY EROSION CONTROL MEASURES AS SHOWN ON THE EROSION CONTROL PLAN.

STAGE III

ESTABLISH TRAFFIC CONTROL USING APPROPRIATE HIGHWAY STANDARDS.

REMOVE CONFLICTING CURB AND GUTTER AND DRAINAGE STRUCTURES. CONSTRUCT WIDENING ON NORTHWEST QUADRANT OF US 14 AND MT. PROSPECT ROAD, INCLUDING ALL COLLATERAL WORK AS SHOWN ON PLANS.

REMOVE ISLAND ON PROPSECT ROAD, CONTRUCT BIKE PATH ON THE WEST SIDE OF MT. PROSPECT ROAD AND ALL OTHER COLLATERAL WORK AS SHOWN ON PLANS.

REMOVE MEDIAN ON MT. PROPSECT ROAD AND ALL OTHER COLLATERAL WORK AS SHOWN ON PLANS.

BEGIN TRAFFIC SIGNAL WORK.

COMPLETE ALL GRADING AND LANSCAPING WORK AS SHOWN ON PLANS.

STAGE IV

ESTABLISH TRAFFIC CONTROL USING APPROPRIATE HIGHWAY STANDARDS.

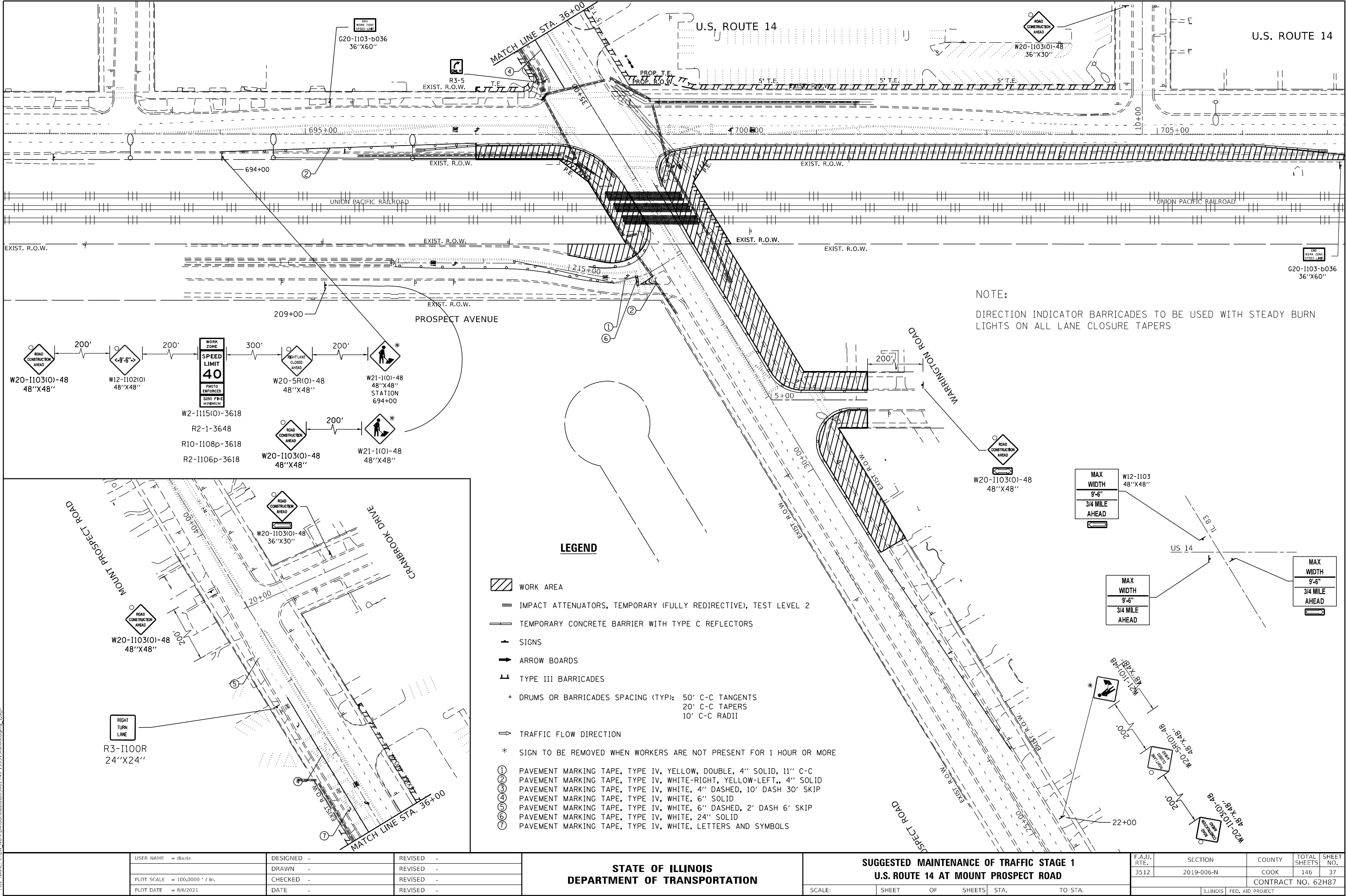
MILL EXISTING HMA PAVEMENT AND INSTALL BINDER AND SURFACE COURSE ON MT. PROSPECT ROAD SOUTH OF UP RR..

INSTALL PAVEMENT MARKINGS AND RAISED REFLECTIVE MARKERS AS SHOWN ON PLANS.

NOTE:

1. ESTABLISHING TRAFFIC CONTROL AS SHOWN ON SUGGESTED STAGING CONSTRUCTION STAGING SHALL BE PAID FOR AS TRAFFIC CONTROL & PROTECTION (SPECIAL).
2. PINNING TEMPORARY CONCRETE BARRIER SHALL BE DETERMINE BY THE ENGINEER WHERE REQUIRED.
3. CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL TRAFFIC STAGE CHANGES ON EACH APPROACH OF THE EFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGNS SHALL BE REMOVED TWO WEEKS THEREAFTER UNLESS THE SIGNS ARE NEEDED AGAIN FOR A SUBSEQUENT FUTURE EVENT THAT WILL OCCUR WITHIN 2 WEEKS ON THE SAME APPROACH OF THE EFFECTED ROADWAY. THE SIGN LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.

FILE NAME =	USER NAME = diazio	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED CONSTRUCTION STAGING & GEMERAL NOTES U.S. ROUTE 14 AT MOUNT PROSPECT ROAD				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwork\dwg\0368274\PI39518-shit-staging-1.dgn	DRAWN -	REVISED -	3512						2019-006-N	COOK	146	36	
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 62H87								
	PLOT DATE = 8/6/2021	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
					SCALE: 1"=50'	SHEET	OF	SHEETS	STA.	TO STA.			



MODEL: Default
FILE: MOUNT_PROSPECT.dwg, work\p\dwg\cd\3a\3a036827\10130513-rt-cc-adding_1.dgn

USER NAME	= dilaia
DESIGNED	-
DRAWN	-
PLOT SCALE	= 100,0000 ' / in.
CHECKED	-
DATE	-
PLOT DATE	= 8/6/2021

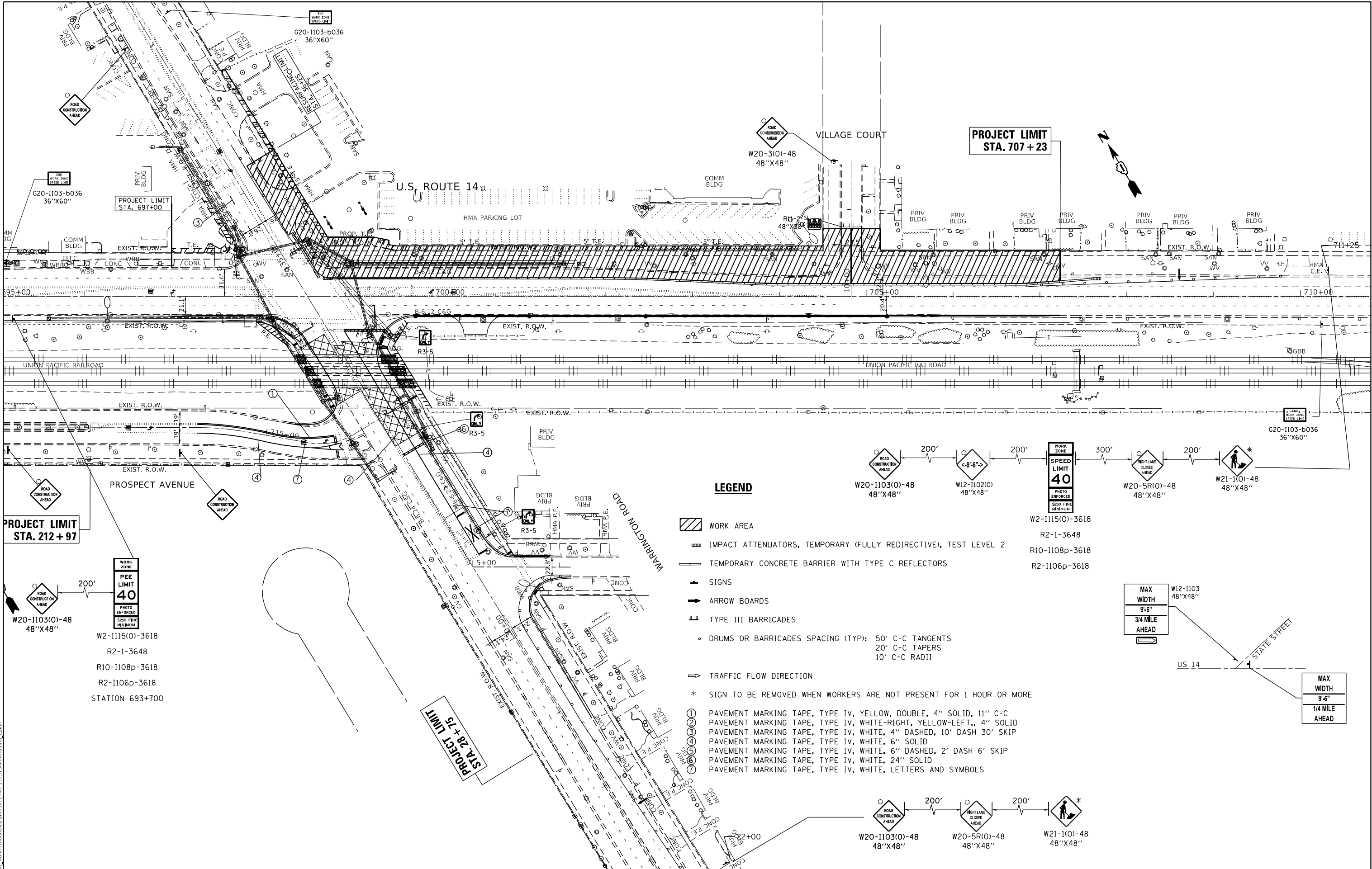
REVISD	-
REVISD	-
REVISD	-
REVISD	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

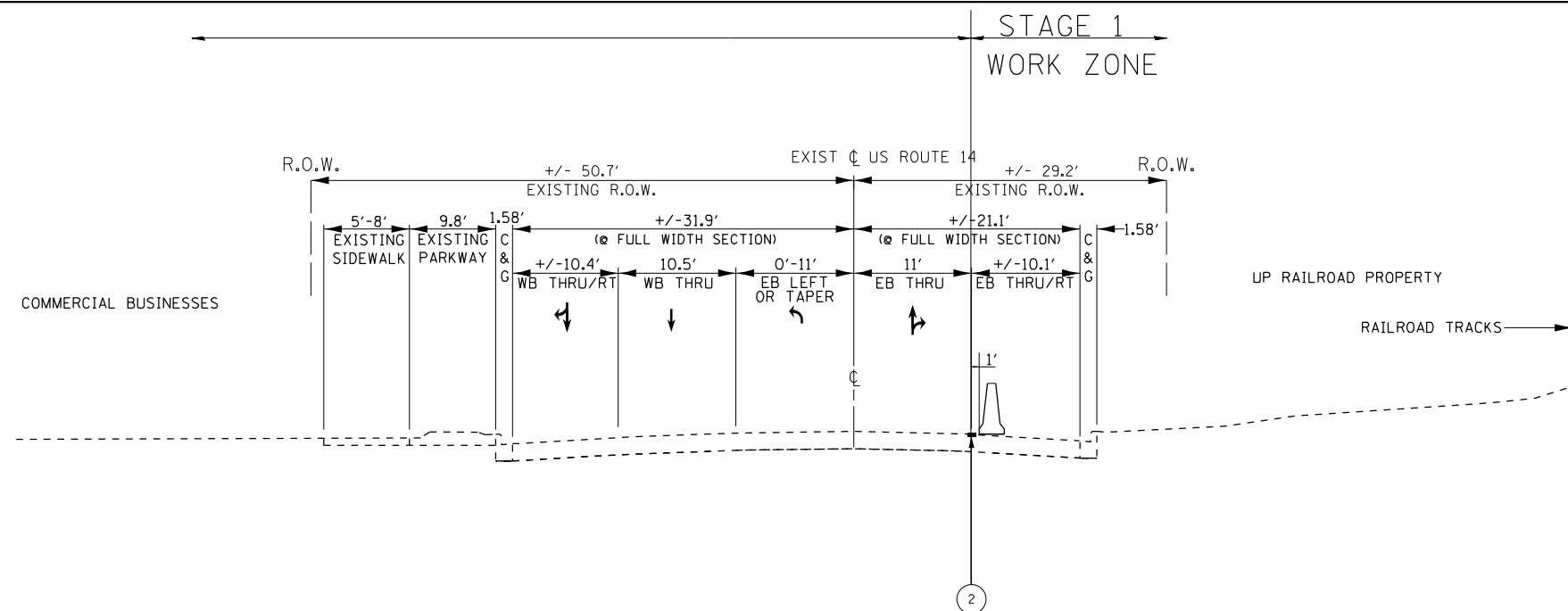
SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1
U.S. ROUTE 14 AT MOUNT PROSPECT ROAD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	37
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				

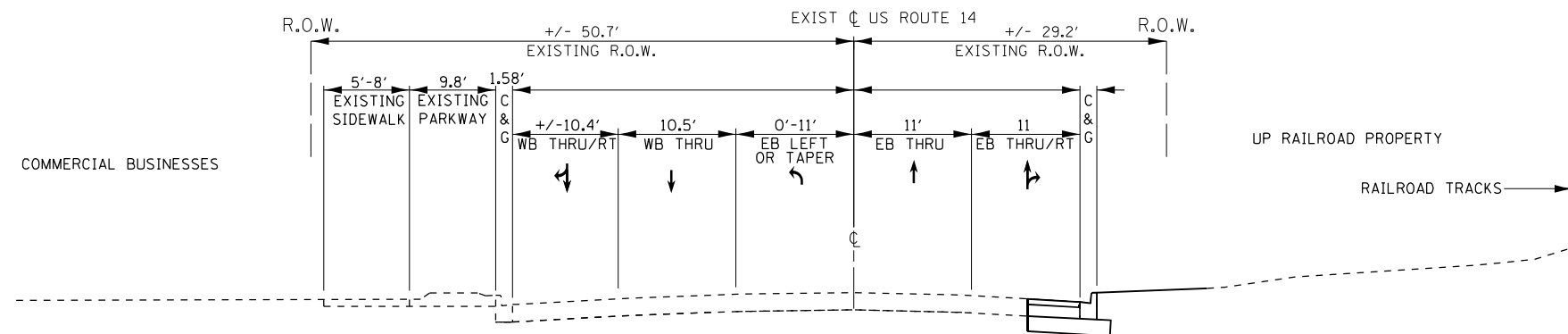


STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2 U.S. ROUTE 14 AT MOUNT PROSPECT ROAD				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
								3512	2019-006-N	COOK	146	38
								CONTRACT NO. 62H87				
								ILLINOIS FED. AID PROJECT				



TYPICAL EXISTING ROADWAY CROSS SECTION
US ROUTE 14 at MT. PROSPECT ROAD
(STATION 697 + 00 TO 698 + 56.5)

NOTE:
PAVEMENT MARKING REMOVAL- WATER BLASTING SHALL BE USED TO REMOVE ALL
CONFLICTING PAVEMENT MARKINGS.



TYPICAL PROPOSED ROADWAY CROSS SECTION
US ROUTE 14 at MT. PROSPECT ROAD
(STATION 697 + 00 TO 698 + 56.5)

- ① PAVEMENT MARKING TAPE, TYPE IV, YELLOW, DOUBLE, 4" SOLID, 11" C-C
- ② PAVEMENT MARKING TAPE, TYPE IV, WHITE, 4" SOLID
- ③ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 4" DASHED, 10' DASH 30' SKIP
- ④ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 6" SOLID
- ⑤ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 6" DASHED, 2' DASH 6' SKIP
- ⑥ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 24" SOLID
- ⑦ PAVEMENT MARKING TAPE, TYPE IV, WHITE, LETTERS AND SYMBOLS

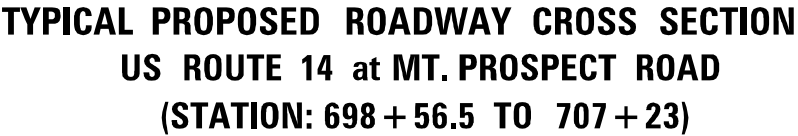
NOT TO SCALE

FILE NAME = c:\p\work\p\midot\diaz\ld0368274\PI39518-sht-staging-1.dgn Default	USER NAME = diaz B-sht-staging-1.dgn PLOT SCALE = 100.0000' / in. PLOT DATE = 8/6/2021	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	U.S. 14 AT MT. PROSPECT ROAD U.S. 14 TYPICAL CROSS SECTIONS SUGGESTED STAGING I			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					3512	2019-006-N	COOK	146	39
		CHECKED -	REVISED -		CONTRACT NO. 62H87			ILLINOIS FED. AID PROJECT				
		DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	



NOTE:

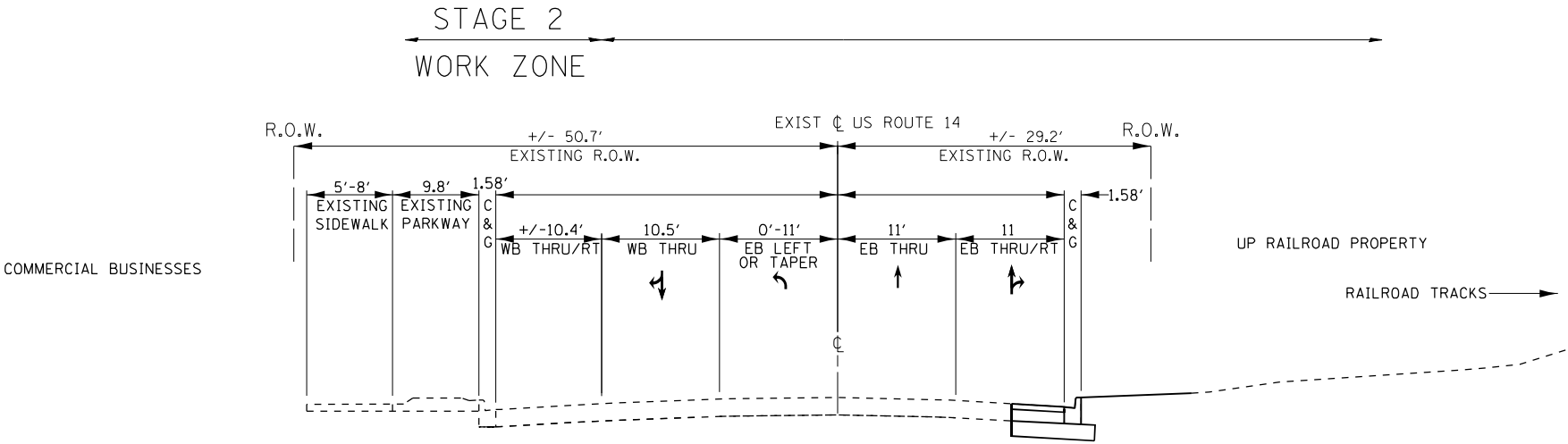
PAVEMENT MARKING REMOVAL- WATER BLASTING SHALL BE USED TO REMOVE ALL CONFLICTING PAVEMENT MARKINGS.



- | | |
|---|---|
| ① | PAVEMENT MARKING TAPE, TYPE IV, YELLOW, DOUBLE, 4" SOLID, 11' C-C |
| ② | PAVEMENT MARKING TAPE, TYPE IV, WHITE, 4" SOLID |
| ③ | PAVEMENT MARKING TAPE, TYPE IV, WHITE, 4" DASHED, 10' DASH 30' SKIP |
| ④ | PAVEMENT MARKING TAPE, TYPE IV, WHITE, 6" SOLID |
| ⑤ | PAVEMENT MARKING TAPE, TYPE IV, WHITE, 6" DASHED, 2' DASH 6' SKIP |
| ⑥ | PAVEMENT MARKING TAPE, TYPE IV, WHITE, 24" SOLID |
| ⑦ | PAVEMENT MARKING TAPE, TYPE IV, WHITE, LETTERS AND SYMBOLS |

NOT TO SCALE

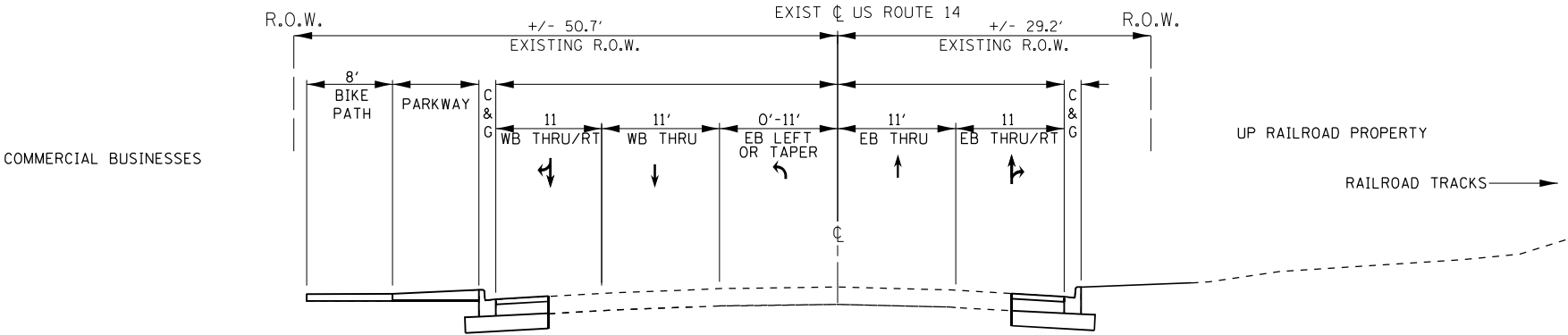
FILE NAME :	USER NAME = diazio	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	U.S. 14 AT MT. PROSPECT ROAD U.S. 14 TYPICAL CROSS SECTIONS SUGGESTED STAGING I				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw_work\pwrtdot\diazio\d0368274\p13951	8-shit-staging.1.dgn	DRAWN -	REVISED -						3512	2019-006-N	COOK	146	40
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -		CONTRACT NO. 62H87								
Default	PLOT DATE = 8/6/2021	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



TYPICAL EXISTING ROADWAY CROSS SECTION
US ROUTE 14 at MT. PROSPECT ROAD
(STATION 697 + 00 TO 698 + 56.5)

NOTE:

1. NORTHWEST QUADRANT OF US 14 AT MT. PROSPECT ROAD SHALL BE DONE USING DAILY LANE CLOSURES
2. PAVEMENT MARKING REMOVAL- WATER BLASTING SHALL BE USED TO REMOVE ALL CONFLICTING PAVEMENT MARKINGS.

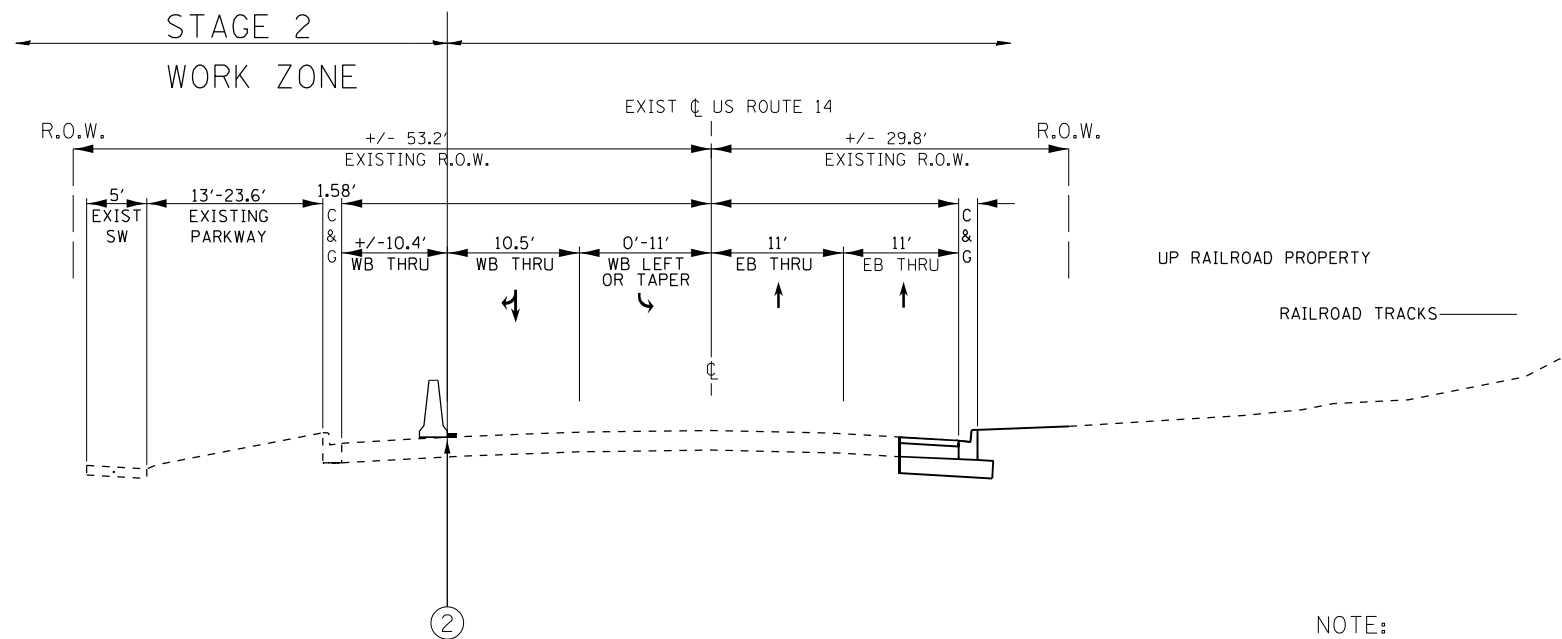


TYPICAL PROPOSED ROADWAY CROSS SECTION
US ROUTE 14 at MT. PROSPECT ROAD
(STATION 697 + 00 TO 698 + 56.5)

- ① PAVEMENT MARKING TAPE, TYPE IV, YELLOW, DOUBLE, 4" SOLID, 11" C-C
- ② PAVEMENT MARKING TAPE, TYPE IV, WHITE, 4" SOLID
- ③ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 4" DASHED, 10' DASH 30' SKIP
- ④ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 6" SOLID
- ⑤ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 6" DASHED, 2' DASH 6' SKIP
- ⑥ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 24" SOLID
- ⑦ PAVEMENT MARKING TAPE, TYPE IV, WHITE, LETTERS AND SYMBOLS

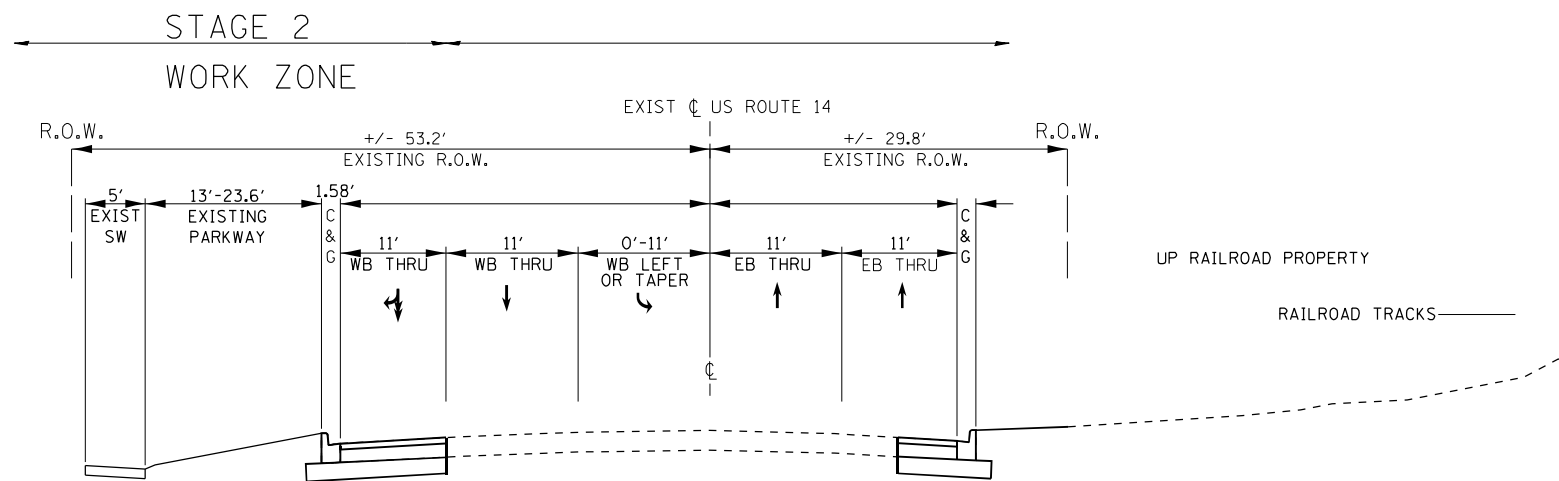
NOT TO SCALE

File Name = c:\pwork\pwork\dwg\0368274\PI39518-sht-staging-1.dgn Default	User Name = diazio B-sht-staging-1.dgn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	U.S. 14 AT MT. PROSPECT ROAD U.S. 14 TYPICAL CROSS SECTIONS SUGGESTED STAGING II		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -				3512	2019-006-N	COOK	146	41
		PLOT SCALE = 100.0000' / in.	CHECKED -		CONTRACT NO. 62H87						
		PLOT DATE = 8/6/2021	DATE -		SCALE:	SHEET OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



**TYPICAL EXISTING ROADWAY CROSS SECTION
US ROUTE 14 at MT. PROSPECT ROAD
(STATION: 698 + 56.5 TO 707 + 23)**

NOTE:
PAVEMENT MARKING REMOVAL- WATER BLASTING SHALL BE USED TO REMOVE ALL
CONFLICTING PAVEMENT MARKINGS.

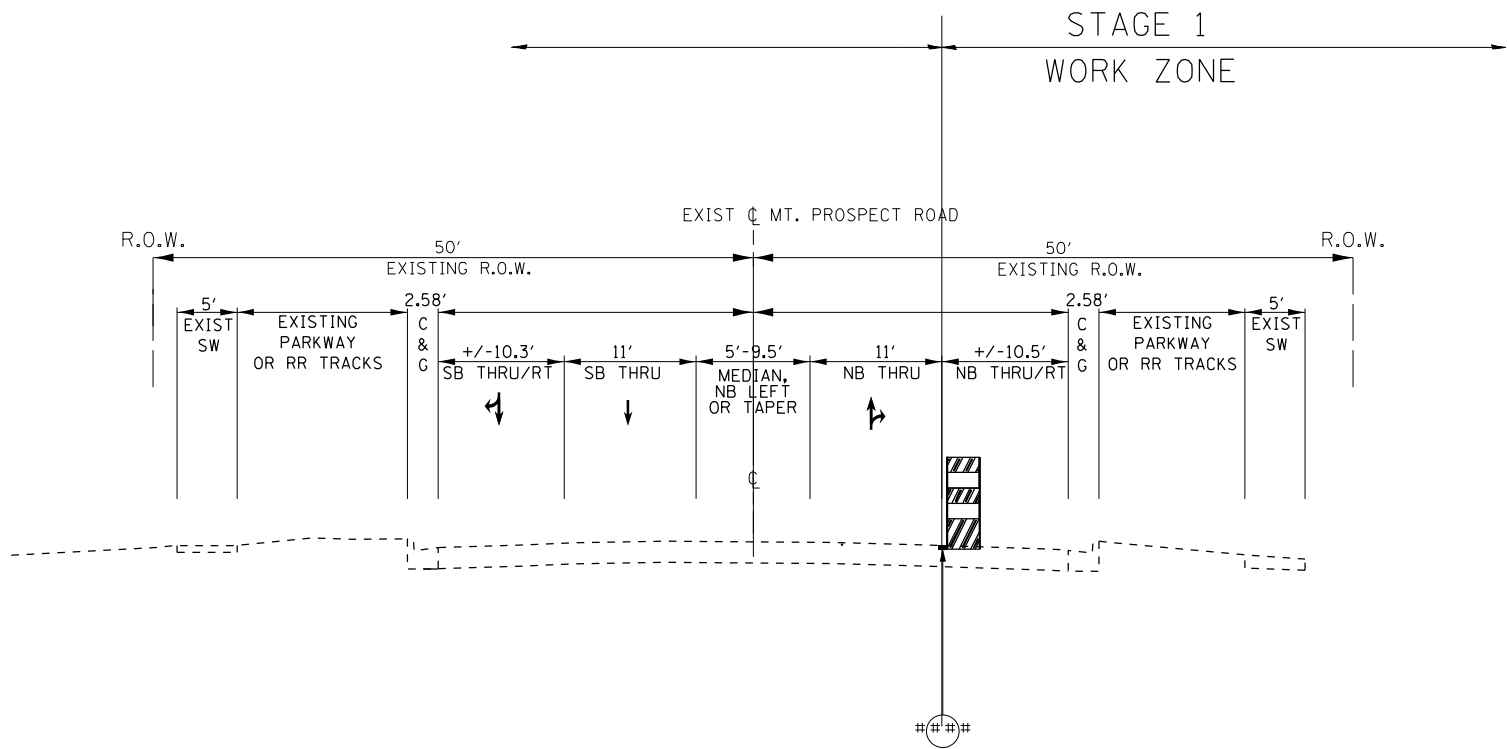


**TYPICAL PROPOSED ROADWAY CROSS SECTION
US ROUTE 14 at MT. PROSPECT ROAD
(STATION: 698 + 56.5 TO 707 + 23)**

- ① PAVEMENT MARKING TAPE, TYPE IV, YELLOW, DOUBLE, 4" SOLID, 11" C-C
- ② PAVEMENT MARKING TAPE, TYPE IV, WHITE, 4" SOLID
- ③ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 4" DASHED, 10' DASH 30' SKIP
- ④ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 6" SOLID
- ⑤ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 6" DASHED, 2' DASH 6' SKIP
- ⑥ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 24" SOLID
- ⑦ PAVEMENT MARKING TAPE, TYPE IV, WHITE, LETTERS AND SYMBOLS

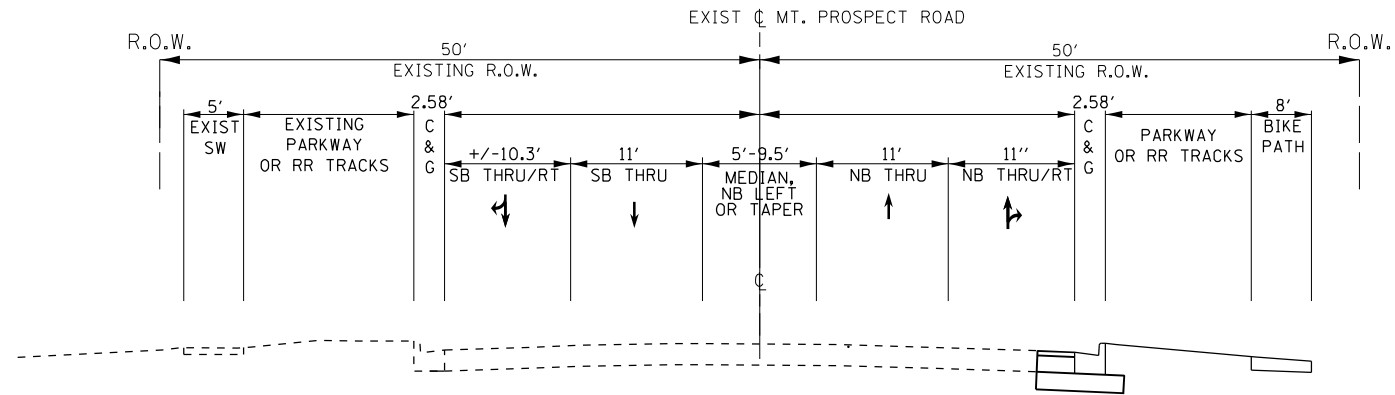
NOT TO SCALE

File Name = c:\pwork\pwork\dot\diaz\d0368274\PI39518-sht-staging-1.dgn Default	User Name = diaz	Designed -	Revised -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	U.S. 14 AT MT. PROSPECT ROAD U.S. 14 TYPICAL CROSS SECTIONS SUGGESTED STAGING II		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	Drawn -	Revised -				3512	2019-006-N	COOK	146	42
	PLOT DATE = 8/6/2021	Checked -	Revised -		SCALE:	SHEET OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 62H87		



TYPICAL EXISTING ROADWAY CROSS SECTION
MT. PROSPECT ROAD

NOTE:
PAVEMENT MARKING REMOVAL- WATER BLASTING SHALL BE USED TO REMOVE ALL
CONFLICTING PAVEMENT MARKINGS.

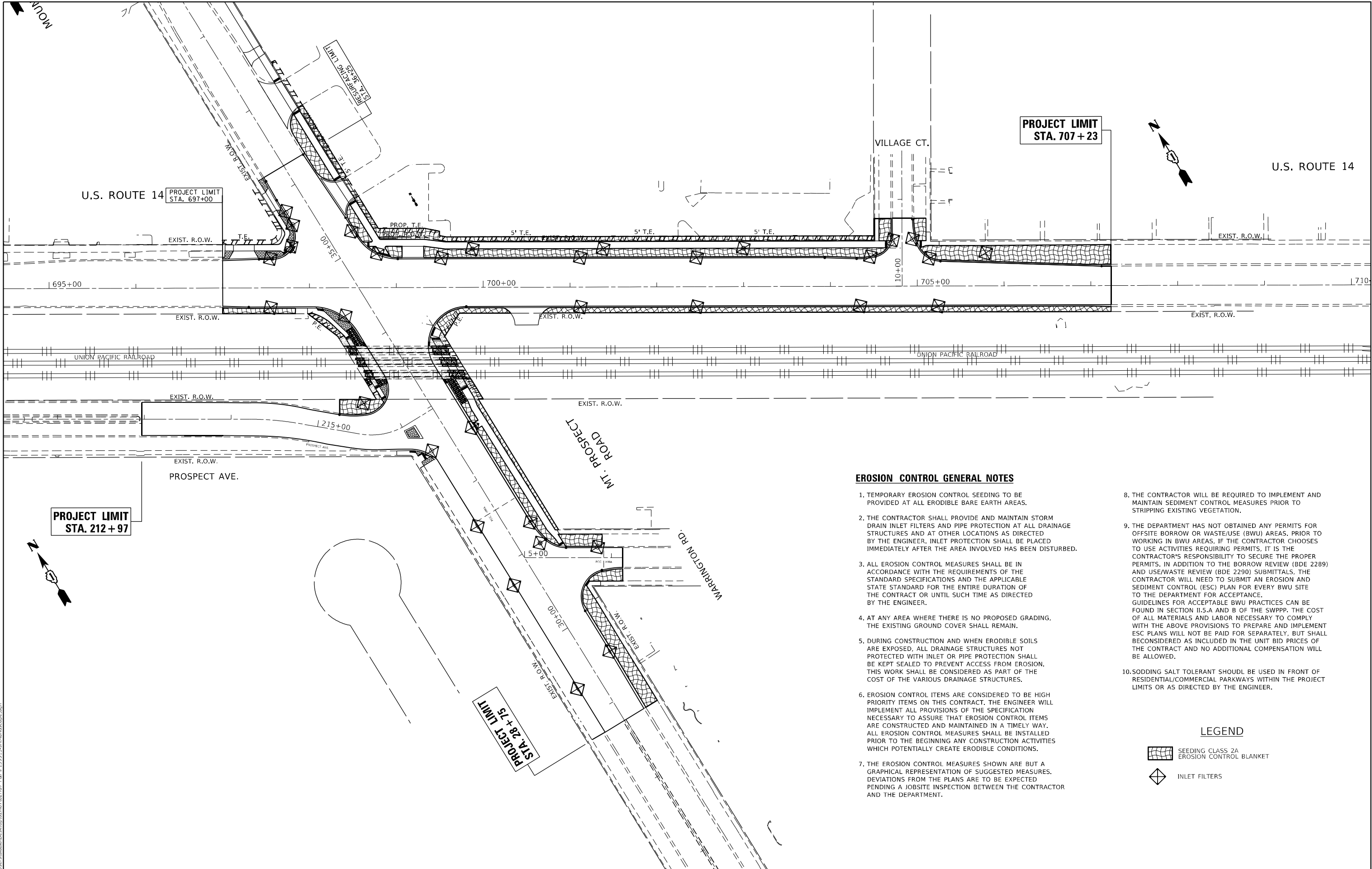


TYPICAL PROPOSED ROADWAY CROSS SECTION
MT. PROSPECT ROAD

- ① PAVEMENT MARKING TAPE, TYPE IV, YELLOW, DOUBLE, 4" SOLID, 11" C-C
- ② PAVEMENT MARKING TAPE, TYPE IV, WHITE, 4" SOLID
- ③ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 4" DASHED, 10' DASH 30' SKIP
- ④ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 6" SOLID
- ⑤ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 6" DASHED, 2' DASH 6' SKIP
- ⑥ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 24" SOLID
- ⑦ PAVEMENT MARKING TAPE, TYPE IV, WHITE, LETTERS AND SYMBOLS

NOT TO SCALE

FILE NAME =	USER NAME = diazio	DESIGNED -	REVISED -	<div>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</div>	<div>U.S. 14 AT MT. PROSPECT ROAD MT. PROSPECT ROAD TYPICAL CROSS SECTIONS SUGGESTED STAGING I</div>				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw_work\pwwdot\diazio\ad0368274\PI39518-shft-staging-1.dgn	DRAWN -	REVISED -	3512						2019-006-N	COOK	146	43	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 62H87										
Default	PLOT DATE = 8/6/2021	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				
									SCALE:	SHEET	OF	SHEETS	STA.



EROSION CONTROL GENERAL NOTES

1. TEMPORARY EROSION CONTROL SEEDING TO BE PROVIDED AT ALL ERODIBLE BARE EARTH AREAS.
2. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN STORM DRAIN INLET FILTERS AND PIPE PROTECTION AT ALL DRAINAGE STRUCTURES AND AT OTHER LOCATIONS AS DIRECTED BY THE ENGINEER. INLET PROTECTION SHALL BE PLACED IMMEDIATELY AFTER THE AREA INVOLVED HAS BEEN DISTURBED.
3. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE STATE STANDARD FOR THE ENTIRE DURATION OF THE CONTRACT OR UNTIL SUCH TIME AS DIRECTED BY THE ENGINEER.
4. AT ANY AREA WHERE THERE IS NO PROPOSED GRADING, THE EXISTING GROUND COVER SHALL REMAIN.
5. DURING CONSTRUCTION AND WHEN ERODIBLE SOILS ARE EXPOSED, ALL DRAINAGE STRUCTURES NOT PROTECTED WITH INLET OR PIPE PROTECTION SHALL BE KEPT SEALED TO PREVENT ACCESS FROM EROSION. THIS WORK SHALL BE CONSIDERED AS PART OF THE COST OF THE VARIOUS DRAINAGE STRUCTURES.
6. EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH POTENTIALLY CREATE ERODIBLE CONDITIONS.
7. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THE PLANS ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
8. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGETATION.
9. THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW OR WASTE/USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR WILL NEED TO SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION 11.5.A AND B OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
10. SODDING SALT TOLERANT SHOULD BE USED IN FRONT OF RESIDENTIAL/COMMERCIAL PARKWAYS WITHIN THE PROJECT LIMITS OR AS DIRECTED BY THE ENGINEER.

LEGEND

- SEEDING CLASS 2A EROSION CONTROL BLANKET
- INLET FILTERS

MODEL: Default
FILE: N:\MIS_C\Users\dlaxa\Desktop\62H87\62H87.dwg
PLOT DATE: 8/10/2021

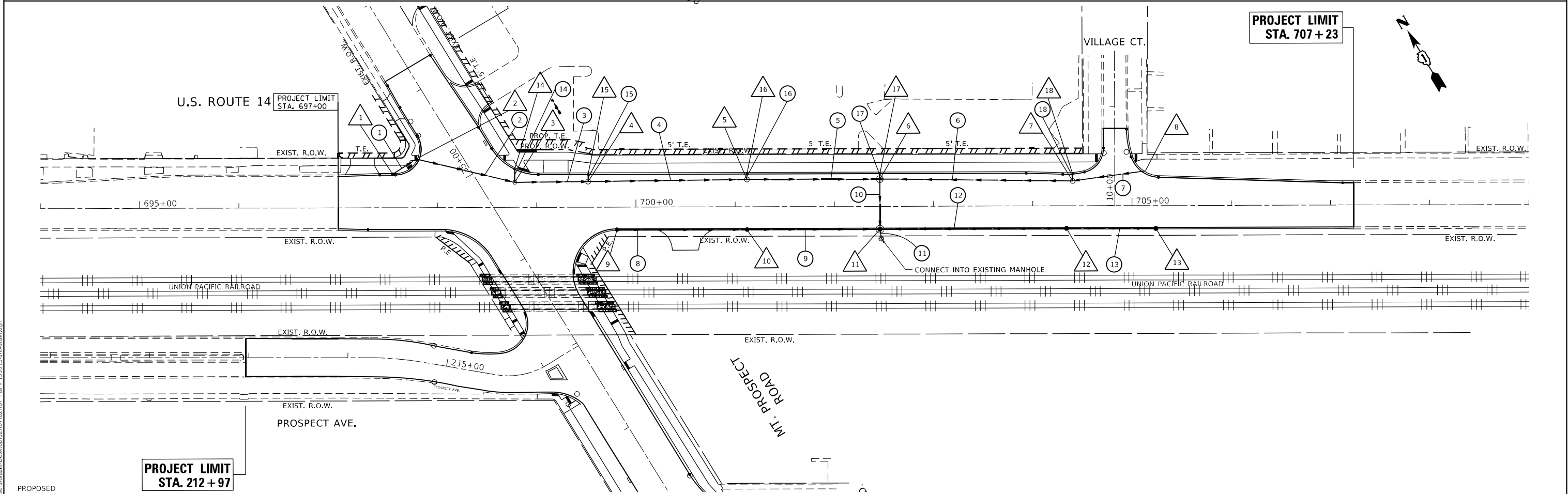
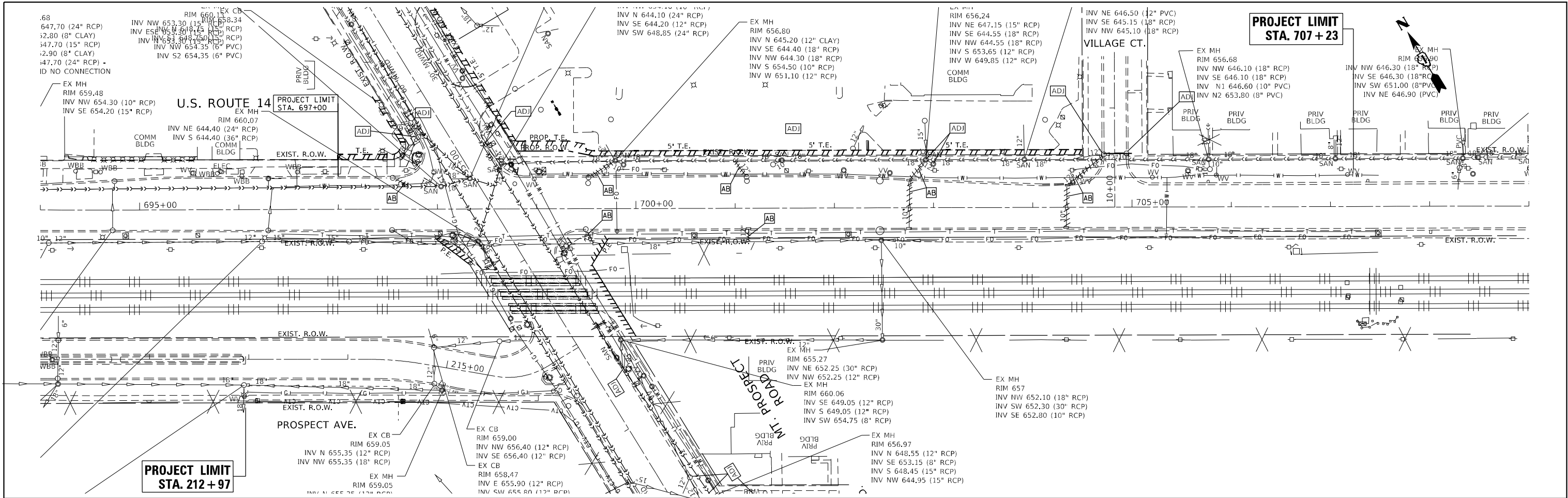
USER NAME	= dlaxa	DESIGNED	-	REVISED	-
DRAWN	-	CHECKED	-	REVISED	-
PLOT SCALE	= 100,0000' / in.	DATE	-	REVISED	-
PLOT DATE	= 8/10/2021				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

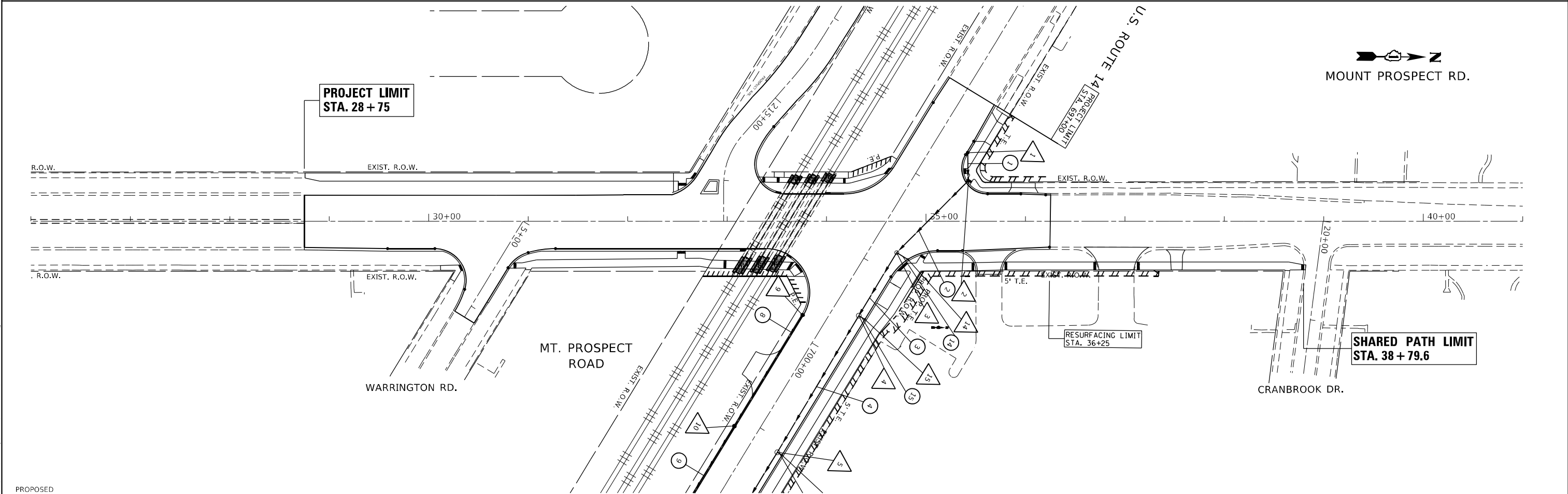
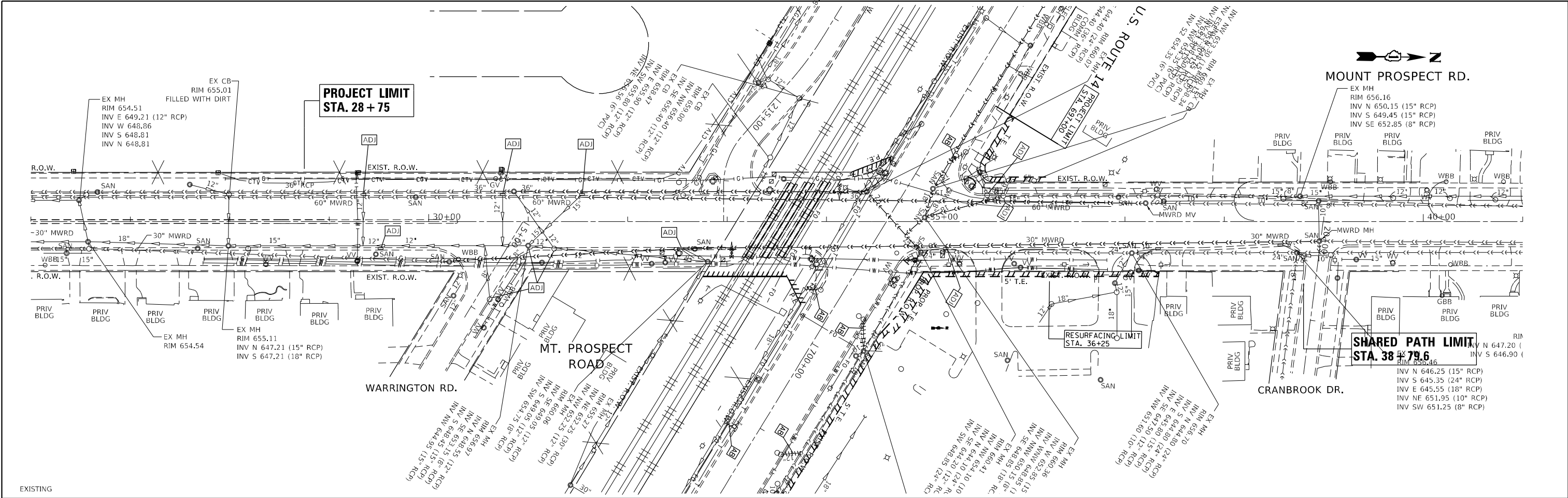
**EROSION CONTROL PLAN
U.S. ROUTE 14 AT MOUNT PROSPECT ROAD**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	44
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				

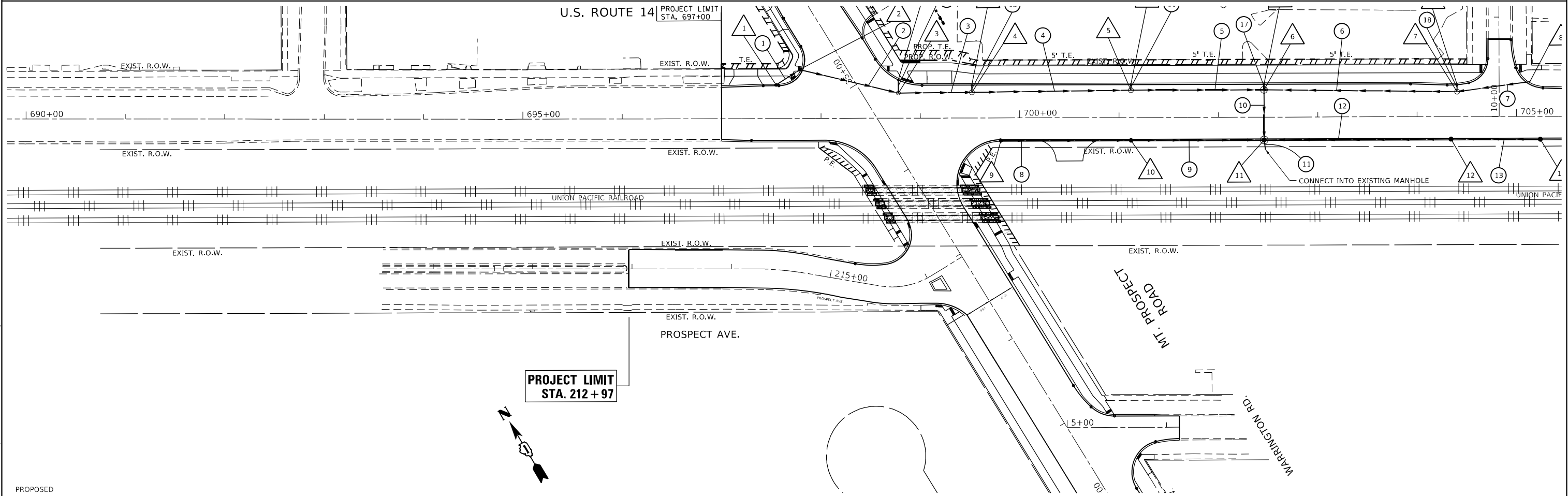
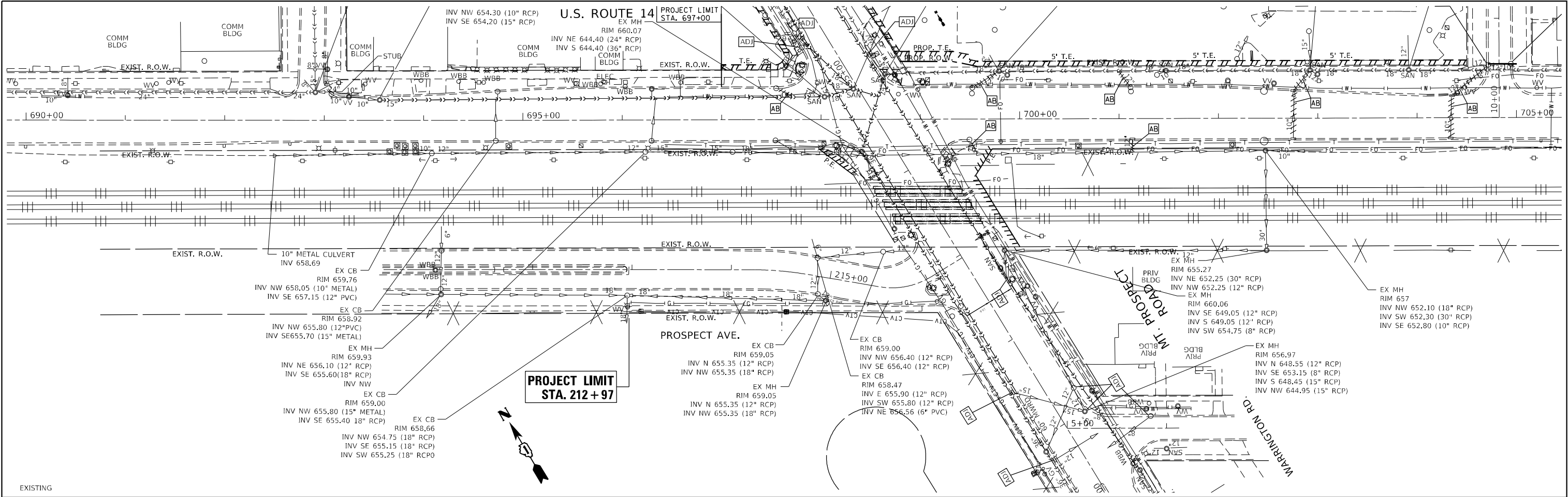


	USER NAME = dila2a	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING & PROPOSED DRAINAGE PLAN U.S. ROUTE 14 AT MOUNT PROSPECT ROAD				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						3512	2019-006-N	COOK	146	45
	PLOT SCALE = 100,000' / in.	CHECKED -	REVISED -				CONTRACT NO. 62H87						
	PLOT DATE = 6/29/2021	DATE -	REVISED -		SCALE: 1"=50'	SHEET	OF	SHEETS	STA.	TO STA.			



PROPOSED				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				EXISTING & PROPOSED DRAINAGE PLAN U.S. ROUTE 14 AT MOUNT PROSPECT ROAD				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
												3512	2019-006-N	COOK	146	46
												CONTRACT NO. 62H87				
												ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE: N:\MID-C\Users\dlab\Desktop\62H87\62H87.dwg
PLOT DATE: 6/29/2021

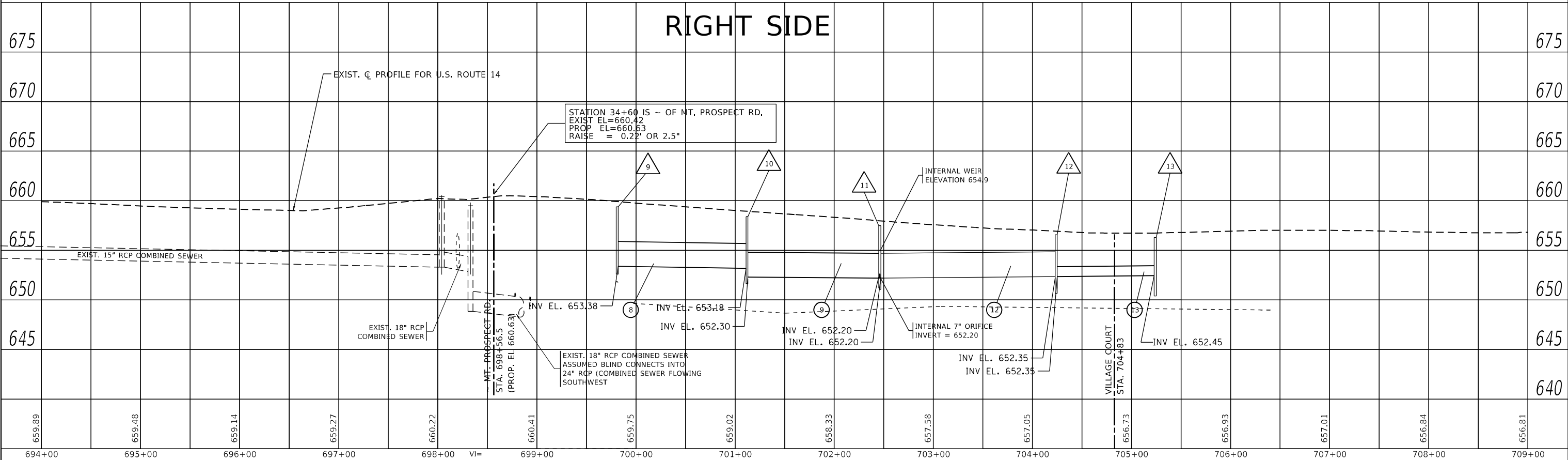
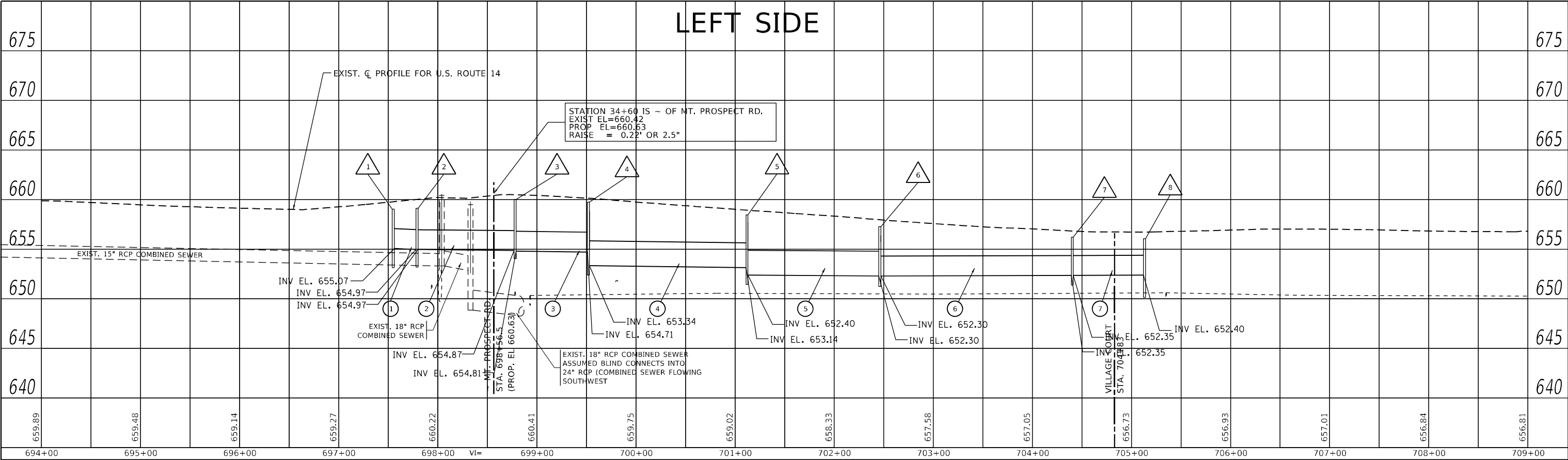


MODEL Default FILE Name: C:\Users\dlia\Documents\62H87\62H87.dwg PLOT DATE = 6/29/2021	USER NAME = dlia	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING & PROPOSED DRAINAGE PLAN U.S. ROUTE 14 AT MOUNT PROSPECT ROAD			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,000' / in.	DRAWN -	REVISED -		SCALE: 1"=50'			3512	2019-006-N	COOK	146	47
	PLOT DATE = 6/29/2021	CHECKED -	REVISED -		SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 62H87				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

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

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	GRADES CHECKED		
	STRUCTURE NOTATIONS CHKD		
NO.			

MODEL: Default
FILE NAME: C:\Users\dlazda\Desktop\62H87\62H87 786.pn\1395 3-in-drain.dgn



USER NAME = dlazda	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 7/2/2021	DATE -	REVISED -

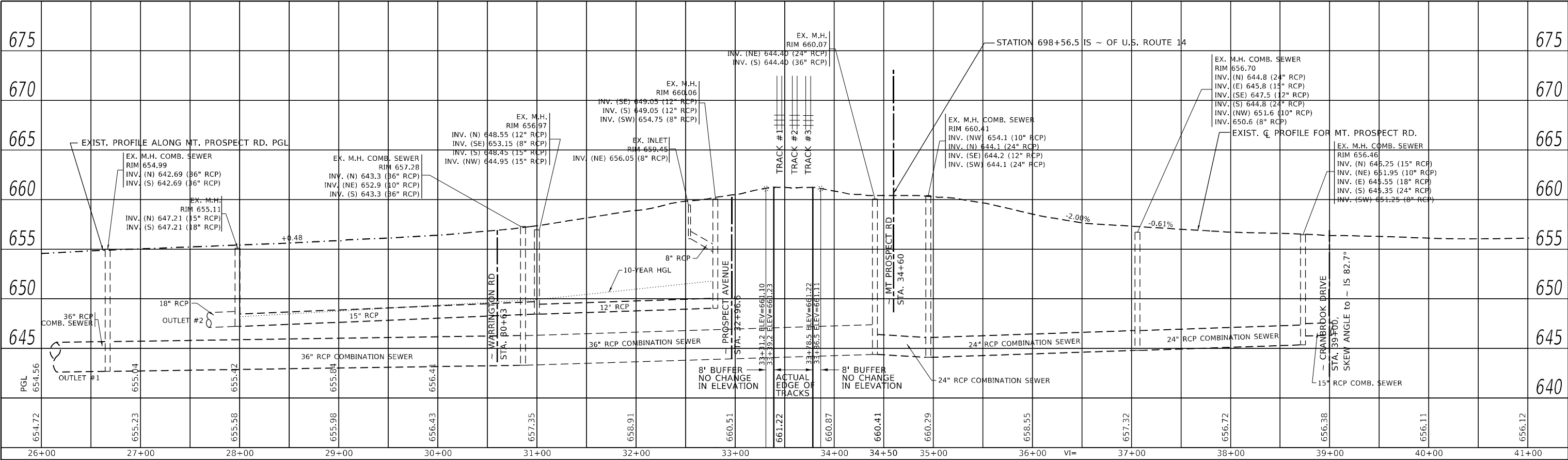
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING & PROPOSED DRAINAGE PROFILE (LEFT & RIGHT SIDES)
U.S. ROUTE 14 AT MOUNT PROSPECT ROAD

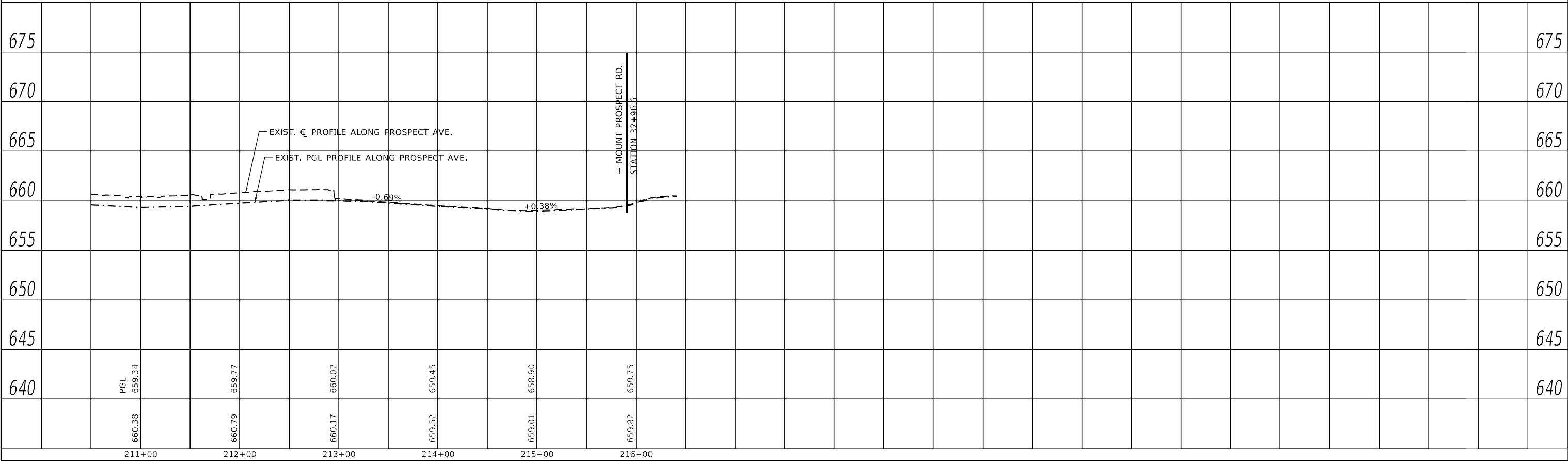
SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	48
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS CHKD		
CADD FILE NAME			
NO.			



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	GRADES CHECKED		
	STRUCTURE NOTATIONS CHKD		
NO.			



MODEL: Default
FILE NAME: C:\Users\laural\Desktop\62H87\62H87.rvt
7/2/2021 13:55:35-hr-draw.dgn

USER NAME = dlaxda	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 7/2/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING & PROPOSED DRAINAGE PROFILE			
U.S. ROUTE 14 AT MOUNT PROSPECT ROAD			
SCALE: 1"=50'	SHEET	OF	SHEETS
STA.		TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	49
CONTRACT NO. 62H87				
ILLINOIS		FED. AID PROJECT		

1
FLAT TOP
PROP. CATCH BASIN, TYPE A, 5' DIAMETER
TYPE 1 FRAME, OPEN LID
STA.697+55, 33.8' LT
T.O.G.: 659.04
INV. 655.07 (E)

2
FLAT TOP
PROP. CATCH BASIN, TYPE A, 5' DIAMETER
TYPE 1 FRAME, OPEN LID (ADA COMPLIANT)
STA.697+79, 49' LT
T.O.G.: 659.12
INV. 654.97 (SE,W)

3
FLAT TOP
PROP. MANHOLE, TYPE A, 4' DIAMETER
TYPE 1 FRAME, CLOSED LID
STA.698+78, 25.3' LT
T.O.G.: 660.11
INV. 654.87 (NW)
INV. 654.87 (NE)
INV. 654.81 (SE)

4
FLAT TOP
PROP. MANHOLE, TYPE A, 5' DIAMETER
TYPE 1 FRAME, CLOSED LID
STA.699+52, 25.8' LT
T.O.G.: 659.68
INV. 654.71 (NW)
INV. 654.71 (SE)
INV. 653.34 (SE)

5
FLAT TOP
PROP. MANHOLE, TYPE A, 5' DIAMETER
TYPE 1 FRAME, CLOSED LID
STA.701+12, 27.5' LT
T.O.G.: 658.49
INV. 653.14 (NW)
INV. 653.14 (NE)
INV. 652.40 (SE)

6
FLAT TOP
PROP. MANHOLE, TYPE A, 7' DIAMETER
TYPE 1 FRAME, CLOSED LID
STA.702+46, 27.5' LT
T.O.G.: 657.21
INV. 652.3 (NW, NE, SE, SW)

7
FLAT TOP
PROP. MANHOLE, TYPE A, 5' DIAMETER
TYPE 1 FRAME, CLOSED LID
STA.704+40, 25.1' LT
T.O.G.: 656.20
INV. 652.35 (NW, NE, SE)

8
FLAT TOP
PROP. CATCH BASIN, TYPE A, 5' DIAMETER
TYPE 1 FRAME, OPEN LID
STA.705+13, 34.9' LT
T.O.G.: 656.06
INV. 652.40 (NW)

9
FLAT TOP
PROP. MANHOLE, TYPE A, 4' DIAMETER
TYPE 1 FRAME, OPEN LID
STA.699+81, 22.8' RT
T.O.G.: 659.33
INV. 653.38 (SE)

10
FLAT TOP
PROP. MANHOLE, TYPE A, 4' DIAMETER
TYPE 1 FRAME, OPEN LID
STA.701+12, 23' RT
T.O.G.: 658.39
INV. 653.18 (NW)
INV. 652.30 (SE)

11
FLAT TOP
PROP. MANHOLE, TYPE A, 8' DIAMETER
TYPE 1 FRAME, OPEN LID
WITH RESTRICTOR PLATE AND 7" ORIFICE
STA.702+46, 33' RT
T.O.G.: 657.48
INV. 652.2 (NE, NW, SE, SW)
INTERNAL WEIR ELEV. = 654.9

12
FLAT TOP
PROP. CATCH BASIN, TYPE A, 5' DIAMETER
TYPE 1 FRAME, OPEN LID
STA.704+24, 23' RT
T.O.G.: 656.32
INV. 652.35 (NW, SE)

13
FLAT TOP
PROP. CATCH BASIN, TYPE A, 5' DIAMETER
TYPE 1 FRAME, OPEN LID
STA.705+24, 23' RT
T.O.G.: 656.26
INV. 652.45 (NW)

14
PROP. INLET, TYPE A
TYPE 1 FRAME, OPEN LID
STA.698+78, 38.4 LT
T.O.G.: 659.76
INV. 654.98 (SW))

15
PROP. INLET, TYPE A
TYPE 1 FRAME, OPEN LID
STA.699+52, 33.0' LT
T.O.G.: 659.50
INV. 654.76 (SW)

16
PROP. INLET, TYPE A
TYPE 1 FRAME, OPEN LID
STA.701+12, 33' LT
T.O.G.: 658.35
INV. 653.17 (SW)

17
PROP. INLET, TYPE A
TYPE 1 FRAME, OPEN LID
STA.702+46, 33.0' LT
T.O.G.: 657.13
INV. 652.32 (SW)

18
PROP. INLET, TYPE A
TYPE 1 FRAME, OPEN LID
STA.704+40, 32.0' LT
T.O.G.: 656.01
INV. 652.4 (SW)

1 PROPOSED 24" RCP

2 PROPOSED 24" RCP
(PARTIAL WATER QUALITY)

3 PROPOSED 24" RCP
(PARTIAL WATER QUALITY)

4 PROPOSED 30" RCP

5 PROPOSED 30" RCP

6 PROPOSED 30" RCP
EQUIVALENT ELLIPTICAL

7 PROPOSED 24" RCP
(WATER QUALITY)

8 PROPOSED 30" RCP

9 PROPOSED 30" RCP

10 PROPOSED 30" RCP

11 PROPOSED 24" RCP

12 PROPOSED 30" RCP

13 PROPOSED 12" RCP

14 PROPOSED 12" RCP

15 PROPOSED 12" RCP

16 PROPOSED 12" RCP

17 PROPOSED 12" RCP

18 PROPOSED 12" RCP

DRAINAGE PIPES TABLE				
NO.	DIA (IN)	LENGTH (FT)	SLOPE (%)	TRENCH BACK-FILL (CY)
1	24	25	0.41%	22.7
2	24	98	0.10%	96.7
3	24	70	0.14%	72.6
4	30	157	0.13%	167.9
5	30	131	0.08%	117.7
6	30	191	-0.03%	134.5
7	24	70	-0.07%	35.7
8	30	128	0.16%	144.2
9	30	131	0.08%	141.7
10	30	46	0.22%	43.6
11	24	7	0.00%	5.2
12	30	185	-0.08%	155.6
13	12	87	-0.11%	46.1
14	12	11	1.00%	6.1
15	12	5	1.00%	2.8
16	12	3	1.00%	1.7
17	12	2	1.00%	1.1
18	12	5	1.00%	2.8

NOTES:

STORM SEWER OFFSET LOCATIONS GIVEN ON THE DETAIL PLANS ARE TO THE FOLLOWING POINTS:

A) STRUCTURES FALLING WITHIN THE CURB LINE ARE MEASURED TO THE EDGE OF PAVEMENT.

B) ALL OTHER STRUCTURES ARE MEASURED TO THE CENTER OF THE STRUCTURE.

THE INSTALLATION AND CONNECTION OF A PROPOSED STRUCTURE (CATCH BASIN/MANHOLE/INLET) OVER AN EXISTING STORM SEWER AND/OR A PROPOSED STORM SEWER CONNECTION TO AN EXISTING STRUCTURE, AND THE REMOVAL WORK REQUIRED TO MAKE THE CONNECTION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE ITEM BEING INSTALLED.

PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED A MINIMUM OF 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAIN CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ARTICLE 550.07 (b, c) OF THE SSRBC WILL NOT BE ALLOWED.

DRAINAGE STRUCTURE ADJUSTMENTS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER

SHORTHAND AND SYMBOL LEGEND

MH = MANHOLE
CB = CATCH BASIN
DIA. = DIAMETER, IN FEET
F&G = FRAME AND GRATE
F&L = FRAME AND LID
CL = CLOSED LID
OL = OPEN LID
TYP. = TYPE
STA. = STATION
T.O.G. = TOP OF GRADE ELEVATION IN FEET
INV. = INVERT ELEVATION IN FEET
LT = OFFSET DISTANCE TO THE LEFT OF ALIGNMENT LINE, IN FEET
RT = OFFSET DISTANCE TO THE RIGHT OF ALIGNMENT LINE, IN FEET

FILE NAME :	USER NAME = diazio	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE STRUCTURES AND PIPES U.S. ROUTE 14 AT MOUNT PROSPECT ROAD				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C:\Users\diazio\Desktop\62H87\62H87 P&P\PI39513-sht-drain.dgn		DRAWN -	REVISED -						3512	2019-006-N	COOK	146	50
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -		CONTRACT NO. 62H87								
	PLOT DATE = 7/2/2021	DATE -	REVISED -		SCALE: NONE	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



3. BASIS OF PAYMENT: "MANHOLES ,TYPE A,
6 FT. (1.8 m)-DIAMETER, TYPE 1 FRAME,
CLOSED LID, RESTRICTOR PLATE"
EACH



RESTRICTOR PLATE

6" (150)

3 EQUAL SPACES

6" (150)

BOLT LOCATIONS

6" (150)

2 EQUAL SPACES

6" (150)

BOLT LOCATIONS

TYPICAL VERTICAL ANGLES
LOOKING TOWARD MANHOLE WALL

TYPICAL HORIZONTAL
ANGLES LOOKING TOWARD
BOTTOM OF MANHOLE

TOTAL BOLTS REQUIRED: 22

NOTE:

1. ANGLES SHOULD BE 3x3x 3/8 (75x75x75)
2. VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
3. HORIZONTAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.

VALUES OF "C" FOR CIRCULAR
AND SQUARE ORIFICES

STEEL ANGLE BOLTING DETAILS

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

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	51
BD600-04 (BD-12)		CONTRACT NO. 62H87		
ILLINOIS		FED. AID PROJECT		

MODEL: Default
FILE NAME: ow:\plaroom\dot.illinois.gov\PW\DOT\Documents\IDOT Offices\District 1\Projects\IP130513\CADDData\Design\DistStd.dgn



	STATION	OFFSET	ELEVATION
A	32+72.45	63.62' LT	659.68
B	32+69.84	59.35' LT	659.6
C	32+64.57	50.86' LT	659.45
D	32+50.97	48.50' LT	659.52
E	32+45.97	48.50' LT	659.44
F	32+45.97	43.3' LT	659.31
G	32+50.97	43.3' LT	659.44
H	32+50.91	36.29' LT	659.59
I	32+50.84	31.25' LT	659.57
J	32+58.92	36.18' LT	659.55
K	32+59.01	43.12' LT	659.44
L	32+65.98	43.19' LT	659.34
M	32+71.14	47.96' LT	659.37
N	32+71.00	47.97' LT	659.37
O	32+74.31	56.56' LT	659.52
P	32+76.84	60.89' LT	659.46
Q	32+74.42	48.64' LT	659.33
R	32+74.19	48.27' LT	659.33
S	32+70.72	43.24' LT	659.35
T	32+67.91	43.16' LT	659.44
U	32+59.38	33.86' LT	659.57
V	32+58.90	29.13' LT	659.55
W	32+50.82	29.13' LT	659.57
X	32+59.07	48.50' LT	659.48
Y	32+97.31	47.2' LT	659.64
Z	32+96.71	41.22' LT	659.82
A1	32+58.93	0' LT	659.92
A2	32+49.93	0' LT	659.85



USER NAME = diazia	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0039 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/6/2021	DATE -	REVISED -

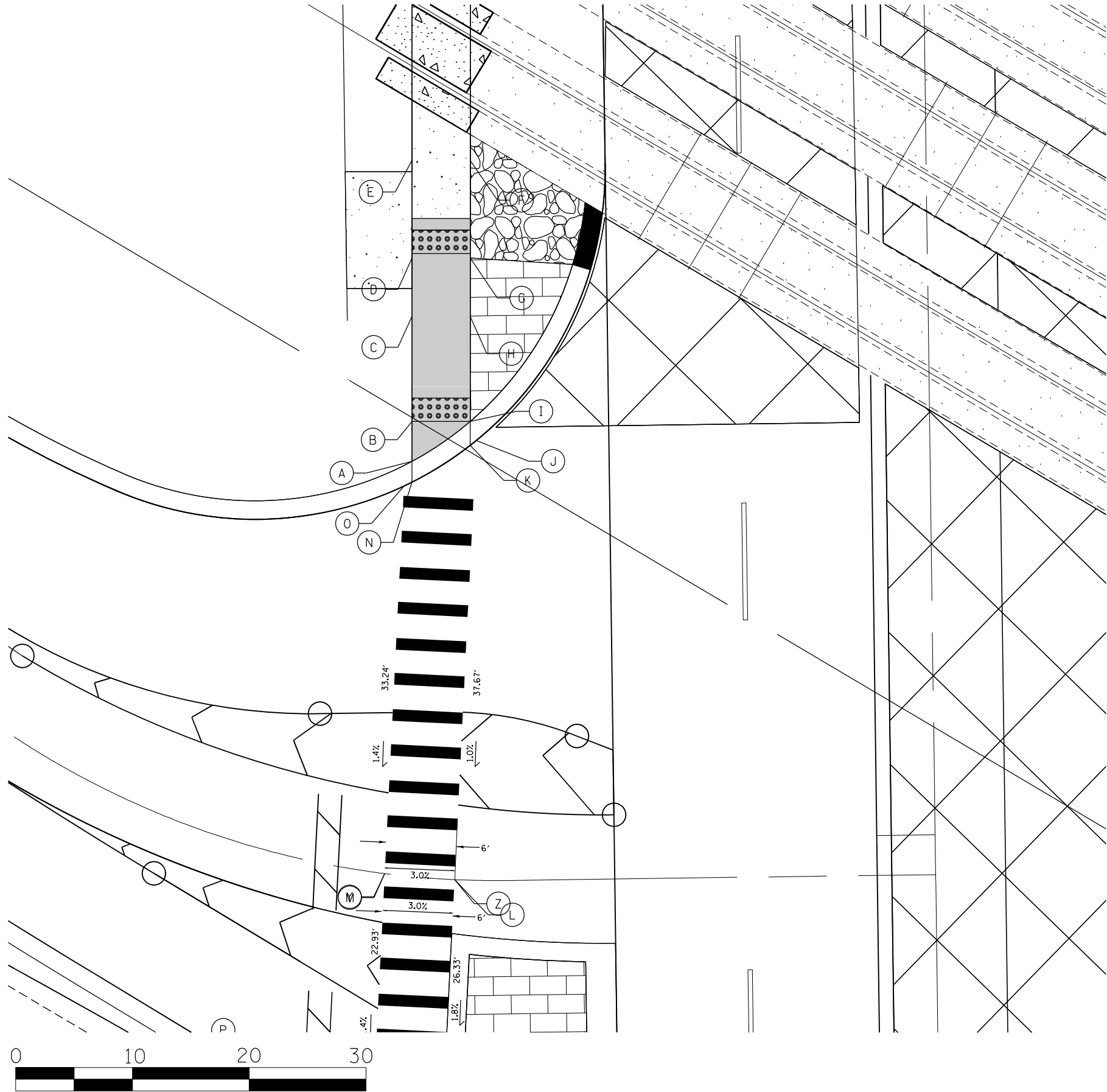
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 14 AT MOUNT PROSPECT ROAD
ADA RAMP DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	52
		CONTRACT NO. 62H87		
ILLINOIS		FED. AID PROJECT		

MODEL: Default
FILE NAME: pw:\planroom_dot.Illinois.gov\FWIDOT\Documents\DOT Offices\District 1\Projects\PI 395\13\CADData\Design\PI 395\3-shc-details.dgn



	STATION	OFFSET	ELEVATION
A	33+32.58	44.39' LT	660.10
B	33+36.00	44.34' LT	660.15
C	33+45.00	44.22' LT	660.54
D	33+50.00	44.15' LT	660.62
E	33+58.38	44.04' LT	660.42
F	33+58.32	39.04' LT	661.12
G	33+49.93	39.15' LT	660.69
H	33+44.93	39.22' LT	660.61
I	33+35.94	39.34' LT	660.19
J	33+34.30	38.85' LT	660.2
K	33+33.90	39.37' LT	660.2
L	32+96.71	41.22' LT	659.82
M	32+97.31	47.20' LT	659.64
N	33+30.80	44.41' LT	660.11
O	33+30.48	45.10' LT	660.11



MODEL: Default
FILE NAME: C:\pwworking\dwg\130513-shc-detailed.dgn

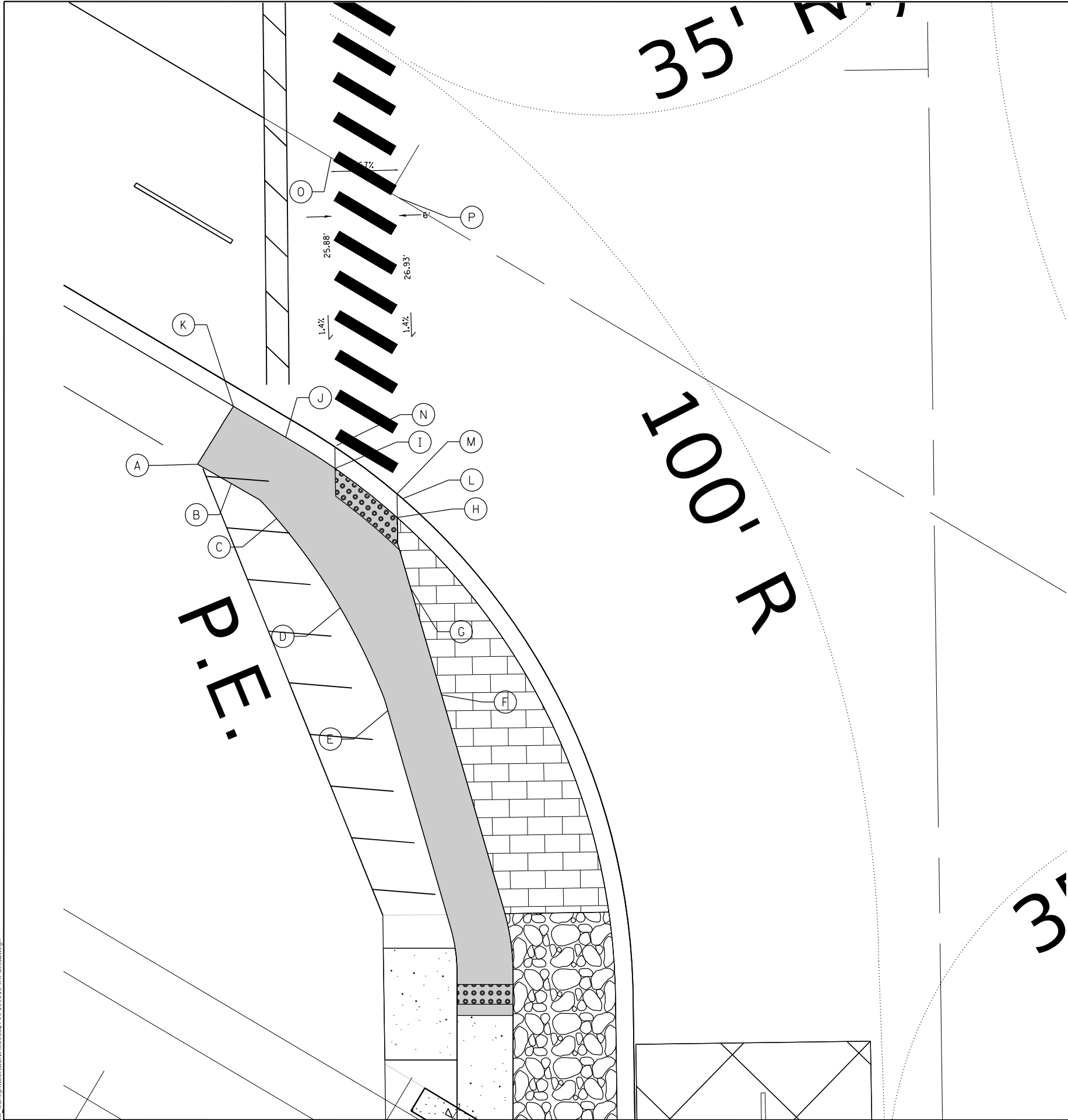
USER NAME = diaza	DESIGNED -	REVISED -
PLOT SCALE = 10.0078 " / in.	DRAWN -	REVISED -
PLOT DATE = 6/28/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

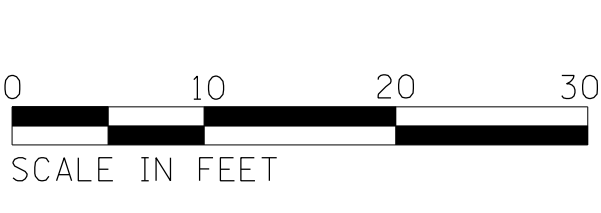
US 14 AT MOUNT PROSPECT ROAD
ADA RAMP DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 3512	SECTION 2019-006-N	COUNTY COOK	TOTAL SHEETS 146	SHEET NO. 53
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				



	STATION	OFFSET	ELEVATION
A	34+65.56	65.80' LT	660.44
B	34+63.78	62.80' LT	660.17
C	34+60.60	58.80' LT	659.92
D	34+52.54	53.21' LT	660.07
E	34+43.30	49.09' LT	660.50
F	34+44.63	44.27' LT	660.42
G	34+54.27	46.92' LT	659.94
H	34+60.54	48.00' LT	659.84
I	34+65.01	53.50' LT	659.79
J	34+67.87	57.88' LT	660.05
K	34+70.69	62.52' LT	660.18
L	34+62.22	47.50' LT	659.85
M	34+62.66	48.00' LT	659.85
N	34+66.95	53.50' LT	659.80
O	34+92.82	53.50' LT	660.16
P	34+89.15	47.50' LT	660.22



MODEL: Default
FILE NAME: c:\ow\work\pwwork\dlad\dw\0368274P139513-in-detail.dgn

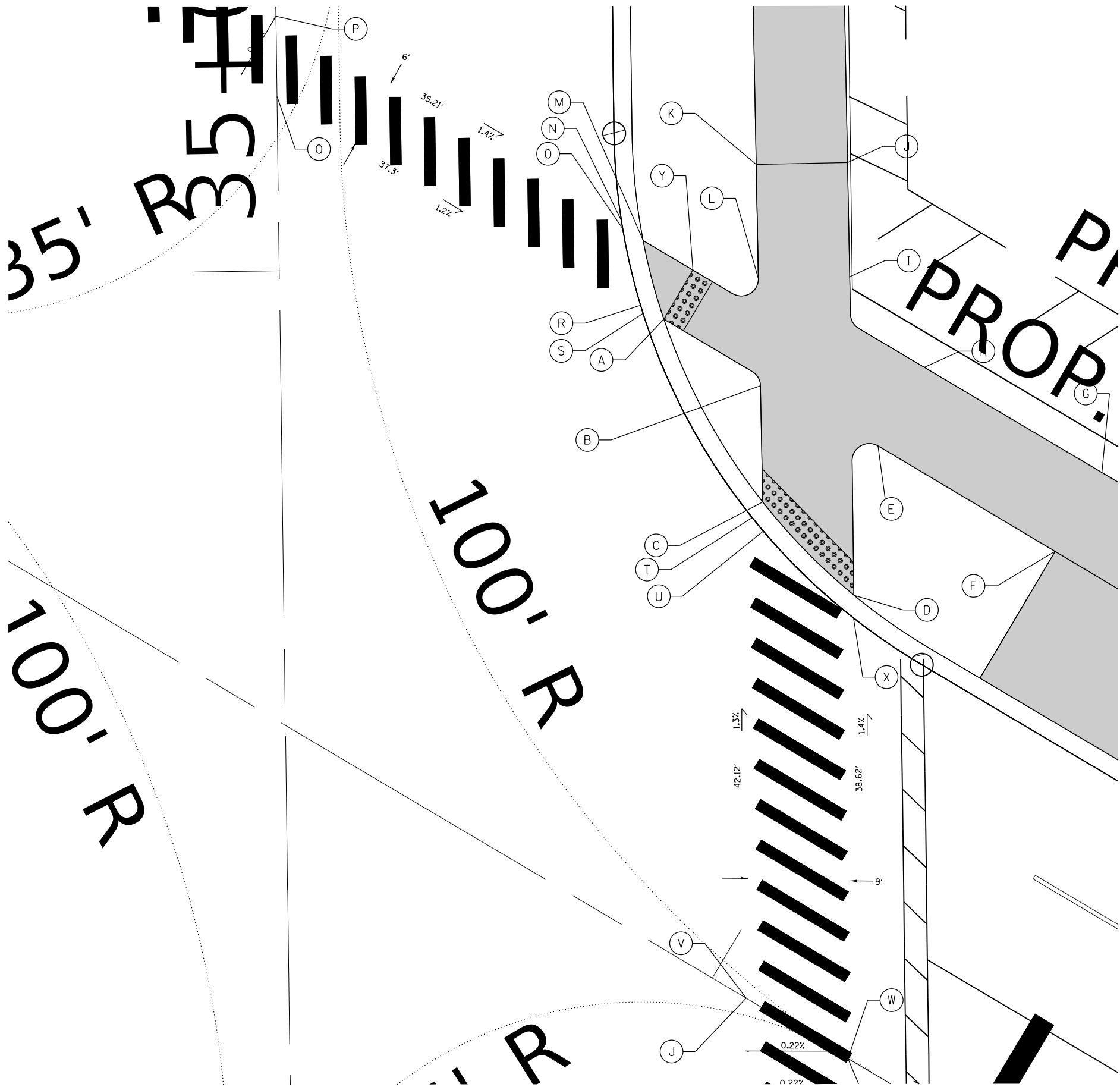
USER NAME	= dlozla	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 10.0039 ' / in.	CHECKED	-	REVISED	-
PLOT DATE	= 6/28/2021	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 14 AT MOUNT PROSPECT ROAD
ADA RAMP DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 3512	SECTION 2019-006-N	COUNTY COOK	TOTAL SHEETS 146	SHEET NO. 54
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				



	STATION	OFFSET	ELEVATION
A	698+66.90	47.54' LT	659.75
B	698+77.18	46.83' LT	659.78
C	698+82.54	38.17' LT	659.83
D	698+93.57	35.23' LT	659.79
E	698+88.72	47.54' LT	659.72
F	699+6.79	47.51' LT	660.12
G	699+6.79	55.54' LT	660.0
H	698+88.72	55.54' LT	659.58
I	698+79.03	59.04' LT	659.49
J	698+73.77	67.55' LT	659.18
K	698+66.97	63.34' LT	659.22
L	698+72.23	54.83' LT	659.53
M	698+61.83	52.54' LT	659.65
N	698+59.33	53.04' LT	659.66
O	698+59.74	52.54' LT	659.66
P	698+24.11	53.04' LT	660.14
Q	698+27.78	47.04' LT	660.19
R	698+64.53	47.54' LT	659.75
S	698+65.08	47.04' LT	659.75
T	698+82.44	36.52' LT	659.84
U	698+83.77	36' LT	659.84
V	699+03.43	0' LT	660.40
W	699+13.82	0' LT	660.35
X	698+94.57	33.48' LT	659.8
Y	698+66.90	52.54' LT	659.64



MODEL: Default
FILE NAME: C:\pwworkspace\dwg\140736274\140736274.dgn

USER NAME = diazla	DESIGNED -	REVISED -
DRAWN -	REVISED -	REVISED -
PLOT SCALE = 10.0039' / in.	CHECKED -	REVISED -
PLOT DATE = 6/28/2021	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

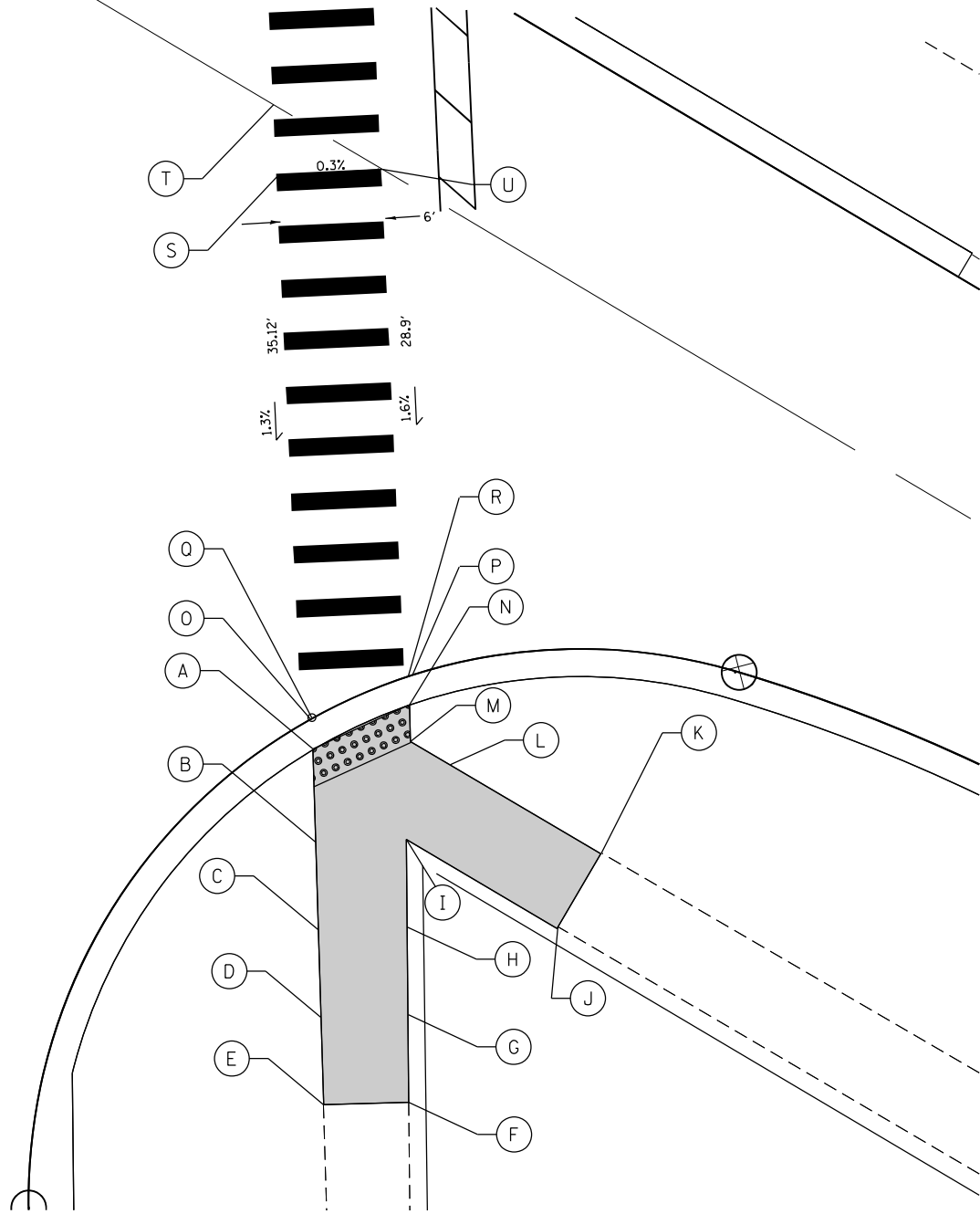
US 14 AT MOUNT PROSPECT ROAD ADA RAMP DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE. 3512	SECTION 2019-006-N	COUNTY COOK	TOTAL SHEETS 146	SHEET NO. 55
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				

30+00



SCALE IN FEET



	STATION	OFFSET	ELEVATION
A	30+32.17	44.07' RT	656.13
B	30+26.84	44.16' RT	656.16
C	30+21.84	44.25' RT	656.26
D	30+16.84	44.33' RT	656.29
E	30+11.84	44.41' RT	656.11
F	30+11.92	49.28' RT	656.46
G	30+16.92	49.32' RT	656.34
H	30+21.92	49.33' RT	656.31
I	30+26.92	49.34' RT	656.21
J	30+21.81	57.94' RT	656.48
K	30+25.99	60.48' RT	656.42
L	30+31.15	51.92' RT	656.16
M	30+32.51	49.66' RT	656.15
N	30+34.61	49.63' RT	656.14
O	30+33.89	43.93' RT	656.14
P	30+36.33	49.83' RT	656.15
Q	30+33.95	44.05' RT	656.14
R	30+36.26	49.60' RT	656.15
S	30+64.92	42.51' RT	656.59
T	30+68.97	42.33' RT	656.59
U	30+65.19	48.51' RT	656.61



MODEL: Default
FILE: MountProspectRoad_30+00_ada_ramp_details.dgn

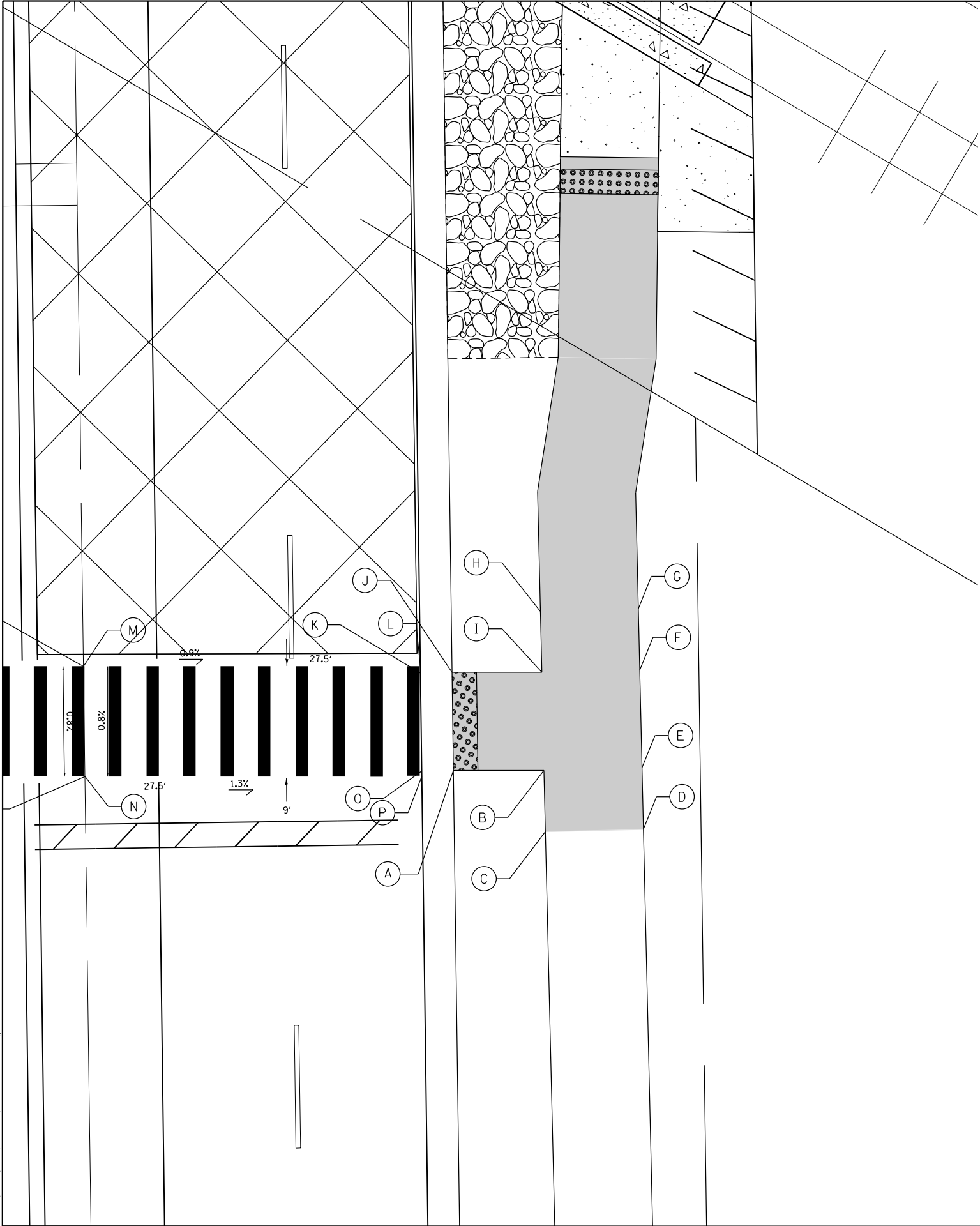
USER NAME = diazia	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0039 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/28/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 14 AT MOUNT PROSPECT ROAD
ADA RAMP DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	56
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				



	STATION	OFFSET	ELEVATION
A	32+50.02	30.08' RT	659.42
B	32+49.92	37.48' RT	659.31
C	32+44.92	37.53' RT	659.09
D	32+45.00	45.53' RT	658.97
E	32+50.00	45.48' RT	659.19
F	32+58.00	45.40' RT	659.31
G	32+63.00	45.35' RT	659.09
H	32+62.93	37.35' RT	659.21
I	32+57.93	37.40' RT	659.43
J	32+58.02	30.08' RT	659.54
K	32+58.02	27.5' RT	659.65
L	32+58.56	27.5' RT	659.65
M	32+58.93	0' RT	659.92
N	32+49.93	0' RT	659.85
O	32+50.02	27.5' RT	659.48
P	32+49.56	27.5' RT	659.48



MODEL: Default
FILE NAME: C:\pwworking\dwg\14a\03186274\PI130512-sht-details.dgn

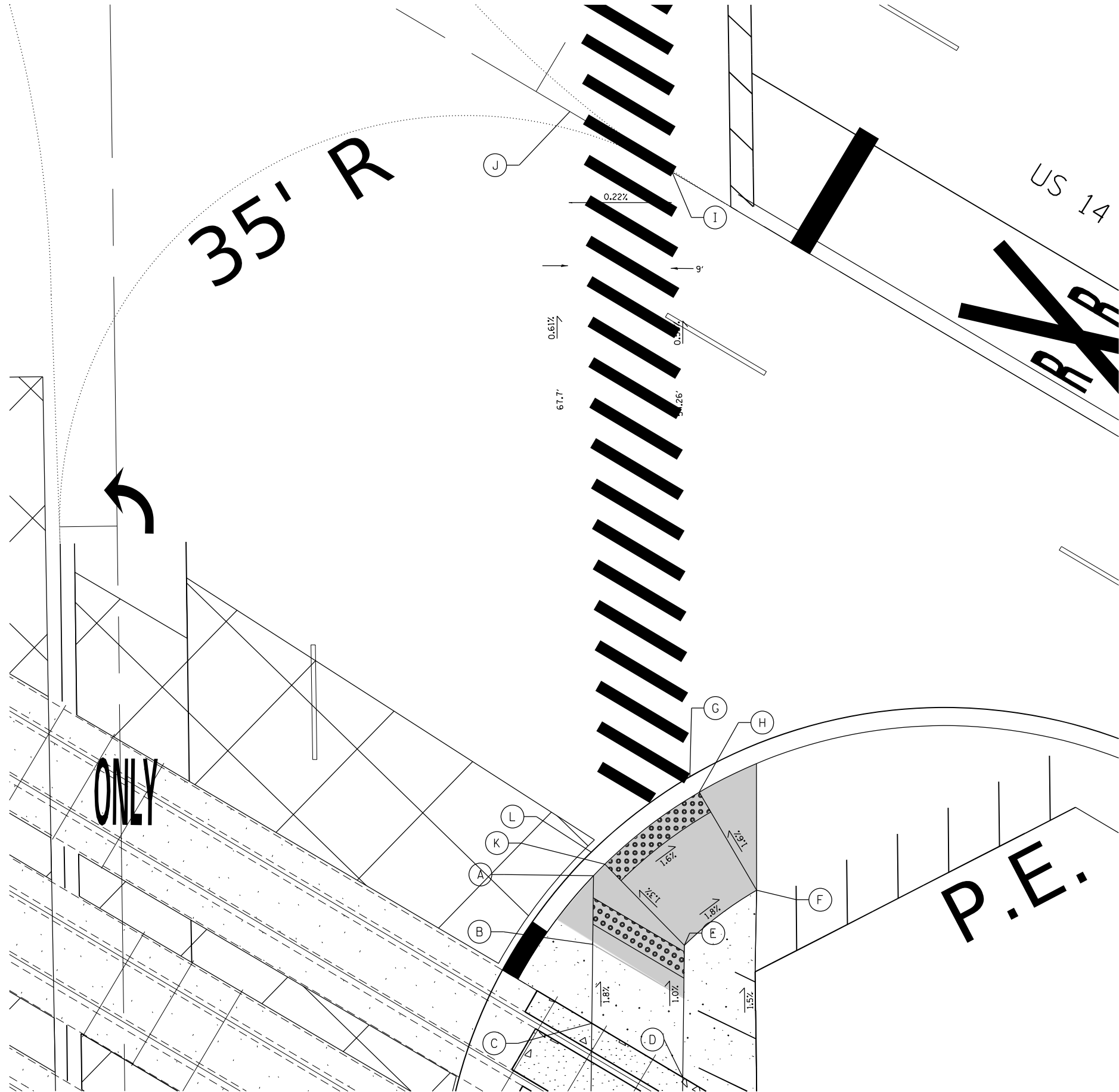
USER NAME = diazda	DESIGNED -	REVISED -
PLOT SCALE = 10.0039 ' / in.	DRAWN -	REVISED -
PLOT DATE = 6/28/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 14 AT MOUNT PROSPECT ROAD ADA RAMP DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	57
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: c:\pwworkspace\diastan\03627\WP130513-ct-detailed.dgn



	STATION	OFFSET	ELEVATION
A	33+68.88	41.22' RT	660.88
B	33+62.89	41.14' RT	660.98
C	33+55.97	40.90' RT	661.11
D	33+51.14	48.78' RT	661.11
E	33+62.69	49.07' RT	660.99
F	33+67.42	55.45' RT	660.85
G	33+77.41	49.75' RT	660.69
H	33+76.04	50.54' RT	660.69
I	34+30.28	48.92' RT	660.35
J	34+35.69	40.06' RT	660.40
K	33+69.87	42.22' RT	660.86
L	33+70.93	41.05' RT	660.86
M	33+47.19	55.22' RT	661.11



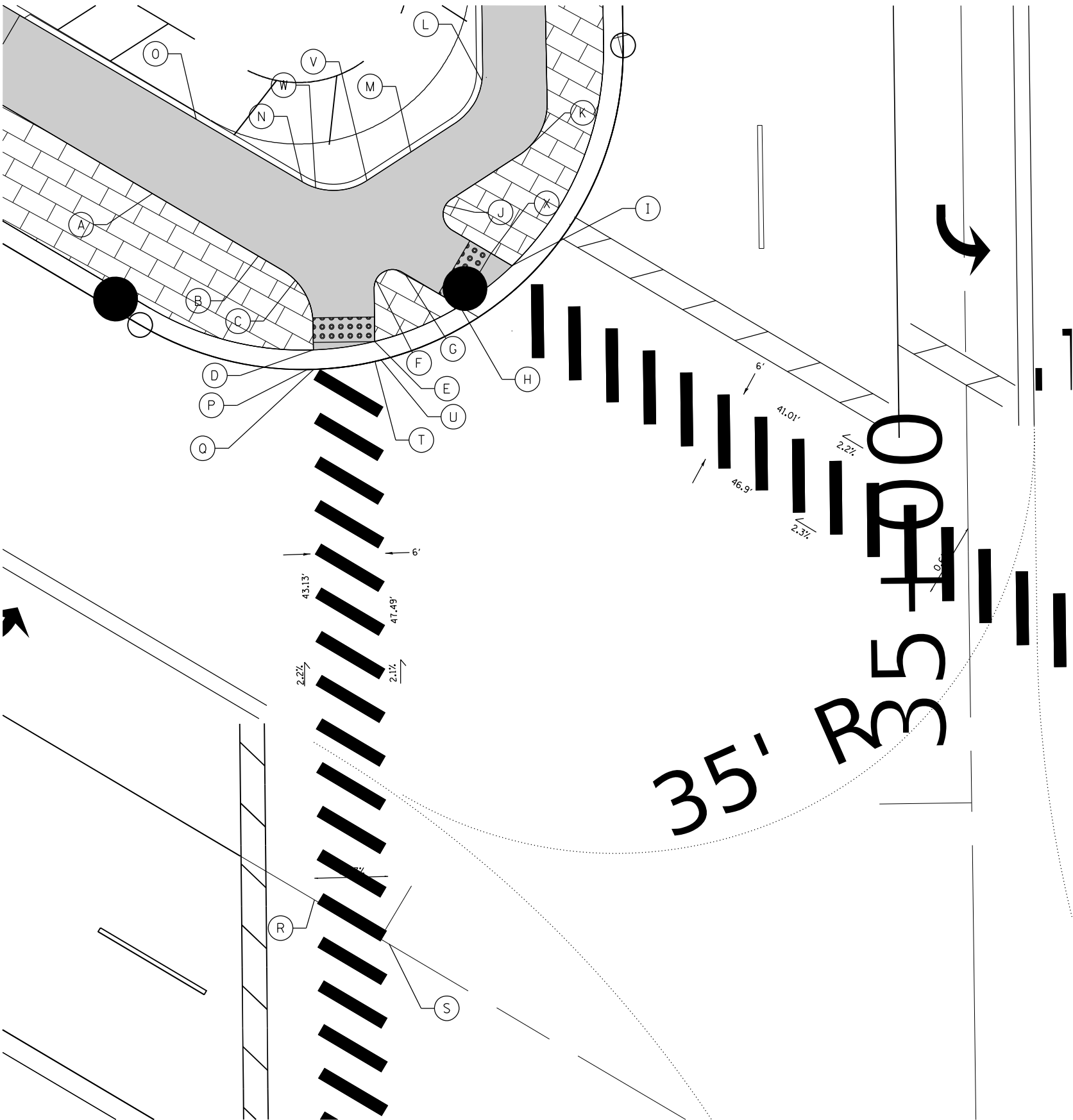
USER NAME = diazia	DESIGNED -	REVISED -
PLOT SCALE = 10.0016' / in.	DRAWN -	REVISED -
PLOT DATE = 6/28/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 14 AT MOUNT PROSPECT ROAD
ADA RAMP DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 3512	SECTION 2019-006-N	COUNTY COOK	TOTAL SHEETS 146	SHEET NO. 58
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				



SCALE IN FEET

	STATION	OFFSET	ELEVATION
A	697+53.21	42.70' LT	658.3
B	697+63.21	42.72' LT	658.66
C	697+66.80	42.55' LT	658.71
D	697+70.94	38.42' LT	659.19
E	697+74.88	41.56' LT	659.21
F	697+72.41	45.91' LT	658.81
G	697+74.19	47.54' LT	658.81
H	697+79.36	47.54' LT	659.12
I	697+81.34	52.55' LT	659.22
J	697+74.19	54.01' LT	658.82
K	697+77.54	61.28' LT	658.6
L	697+71.59	64.23' LT	658.5
M	697+69.56	56.31' LT	658.74
N	697+63.20	49.72' LT	658.60
O	697+53.20	49.70' LT	658.17
P	697+71.34	36.81' LT	659.2
Q	697+71.77	37.07' LT	659.2
R	697+93.82	0' LT	660.16
S	698+0.85	0' LT	660.22
T	697+75.73	40.18' LT	659.22
U	697+76.10	40.54' LT	659.22
V	697+67.67	52.5' LT	658.68
W	697+64.38	49.86' LT	658.62
X	697+79.36	52.54' LT	659.20



MODEL: Default
FILE NAME: C:\pwworkspace\dwg\100786274\100786274.dwg
PLOT DATE: 6/28/2021

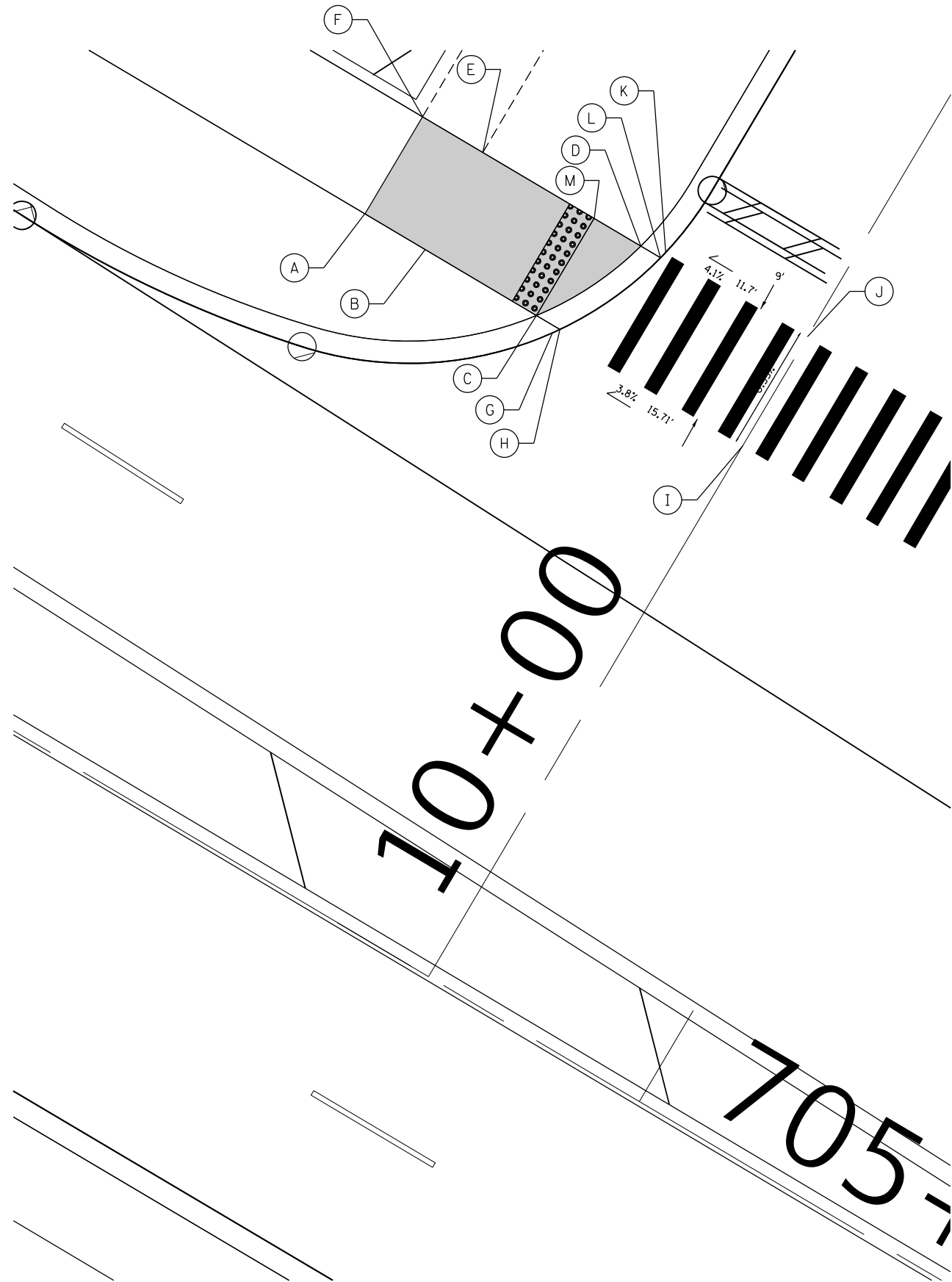
USER NAME = diazla	DESIGNED -	REVISED -
PLOT SCALE = 10.0039' / in.	DRAWN -	REVISED -
PLOT DATE = 6/28/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 14 AT MOUNT PROSPECT ROAD
ADA RAMP DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 3512	SECTION 2019-006-N	COUNTY COOK	TOTAL SHEETS 146	SHEET NO. 59
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				



	STATION	OFFSET	ELEVATION
A	704+51.16	44.28' LT	656.24
B	704+56.13	44.27' LT	656.19
C	704+65.31	44.27' LT	655.69
D	704+69.16	52.27' LT	655.84
E	704+56.13	52.27' LT	656.31
F	704+51.16	52.28' LT	656.36
G	704+66.90	43.77' LT	655.7
H	704+67.25	44.27' LT	655.7
I	704+82.61	43.77' LT	656.3
J	704+82.61	52.77' LT	656.33
K	704+70.91	52.77' LT	655.85
L	704+70.79	52.27' LT	655.85
M	704+65.31	52.27' LT	655.85



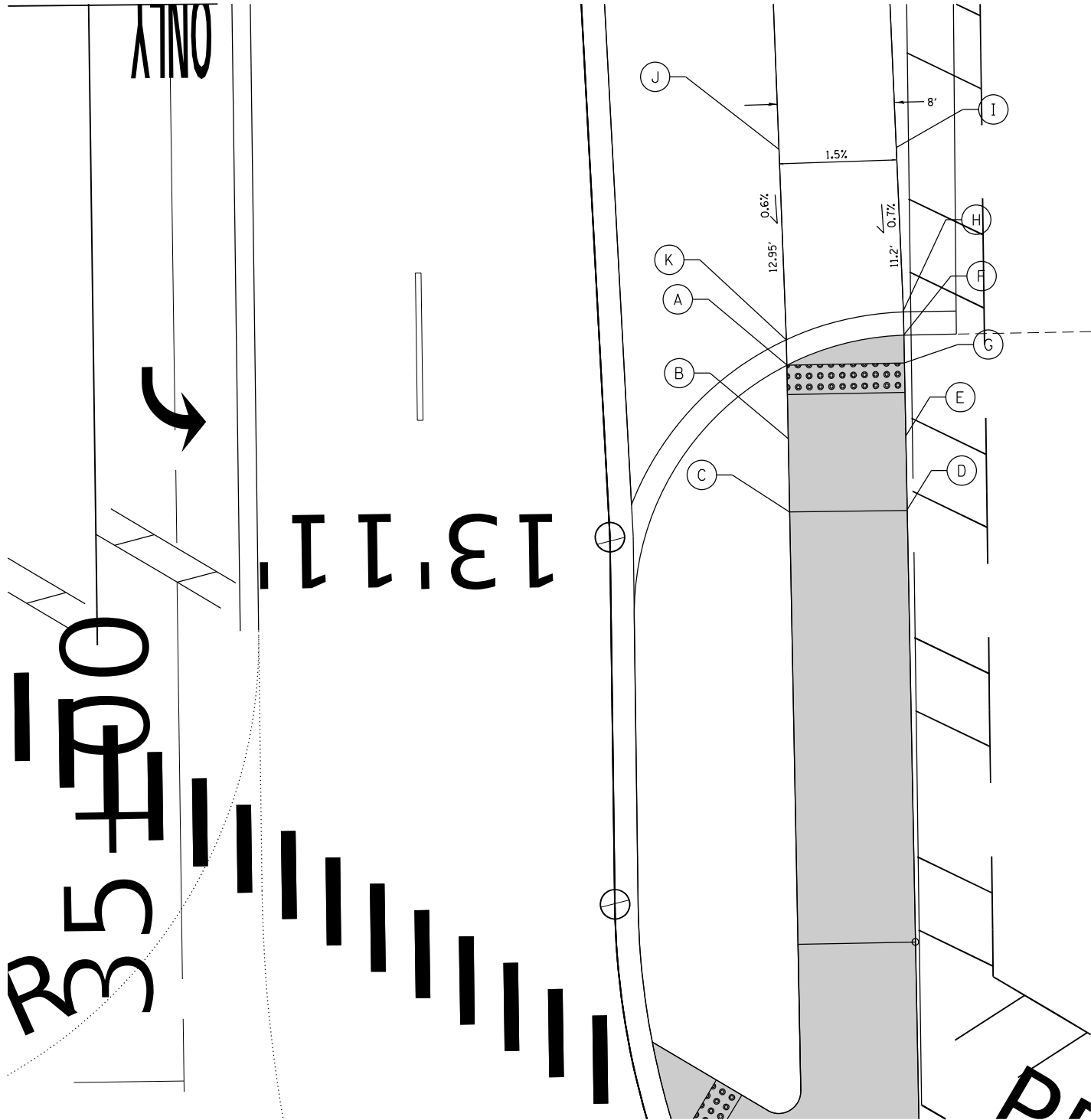
MODEL: Default
FILE: MountProspectRoad_704+00 ADA Ramp Details.dgn

USER NAME = diazia	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0039 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/28/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 14 AT MOUNT PROSPECT ROAD ADA RAMP DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	60
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				



	STATION	OFFSET	ELEVATION
A	35+48.20	41.71' RT	658.30
B	35+43.20	41.74' RT	658.45
C	35+38.20	41.77' RT	658.53
D	35+38.24	49.77' RT	658.47
E	35+43.24	49.74' RT	658.39
F	35+50.14	49.70' RT	658.18
G	35+48.24	49.71' RT	658.18
H	35+51.72	49.66' RT	658.19
I	35+62.91	49.36' RT	658.27
J	35+62.91	41.38' RT	658.39
K	35+49.92	41.70' RT	658.31



MODEL: Default
FILE NAME: C:\pwworking\dwg\130513-shc-detail1.dgn

USER NAME = dlazla	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0078 " / in.	CHECKED -	REVISED -
PLOT DATE = 6/28/2021	DATE -	REVISED -

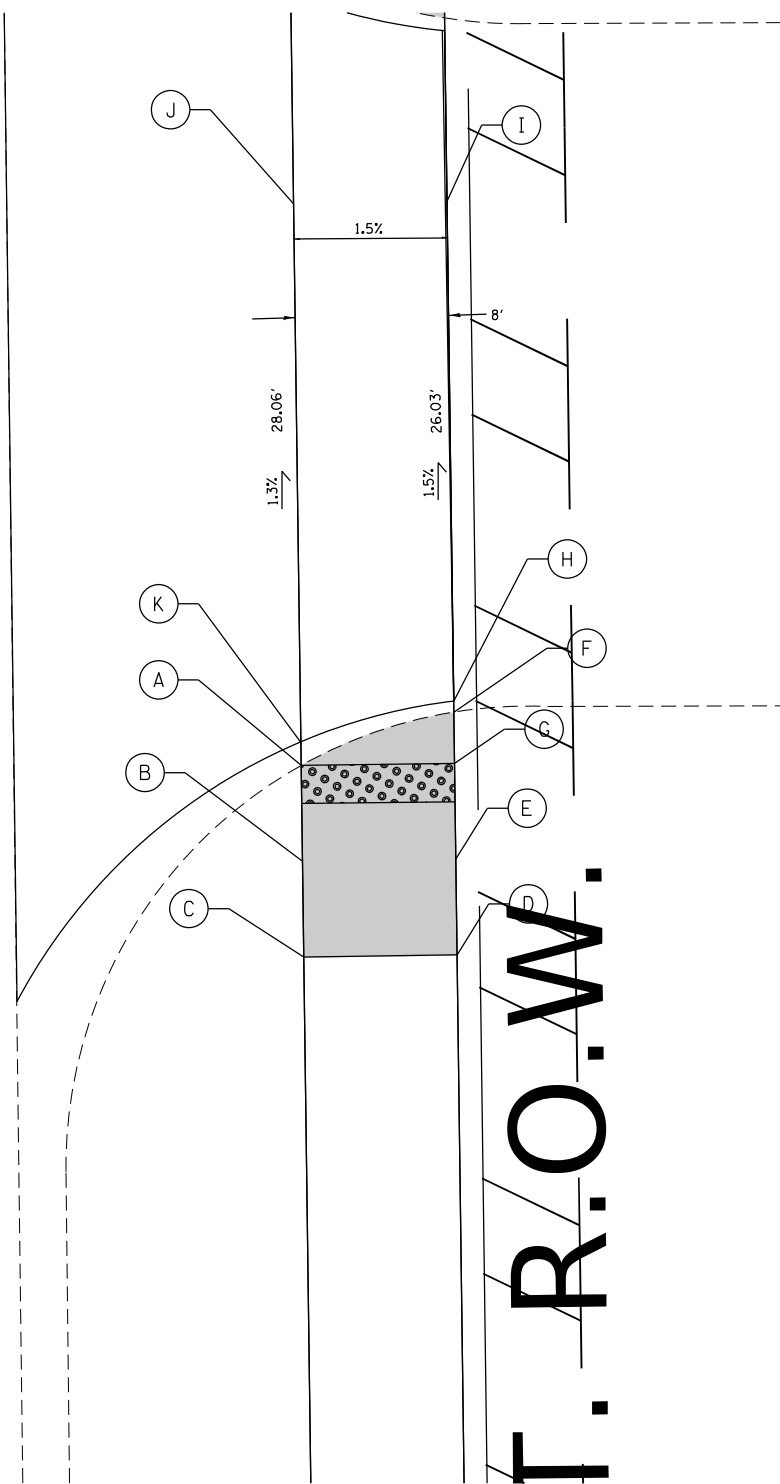
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 14 AT MOUNT PROSPECT ROAD
ADA RAMP DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	61
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: C:\pwwork\dwg\diazia\0368274\IP13013-sheet-details.dgn



	STATION	OFFSET	ELEVATION
A	36+70.72	41.0' RT	657.50
B	36+65.72	41.0' RT	657.60
C	36+60.72	41.0' RT	657.68
D	36+60.72	49.0' RT	657.82
E	36+65.72	49.0' RT	657.74
F	36+73.39	49.0' RT	657.66
G	36+70.72	49.0' RT	657.66
H	36+73.97	49.0' RT	657.66
I	37+00	49.0' RT	657.26
J	37+00	41.0' RT	657.14
K	36+71.94	41.0' RT	657.5



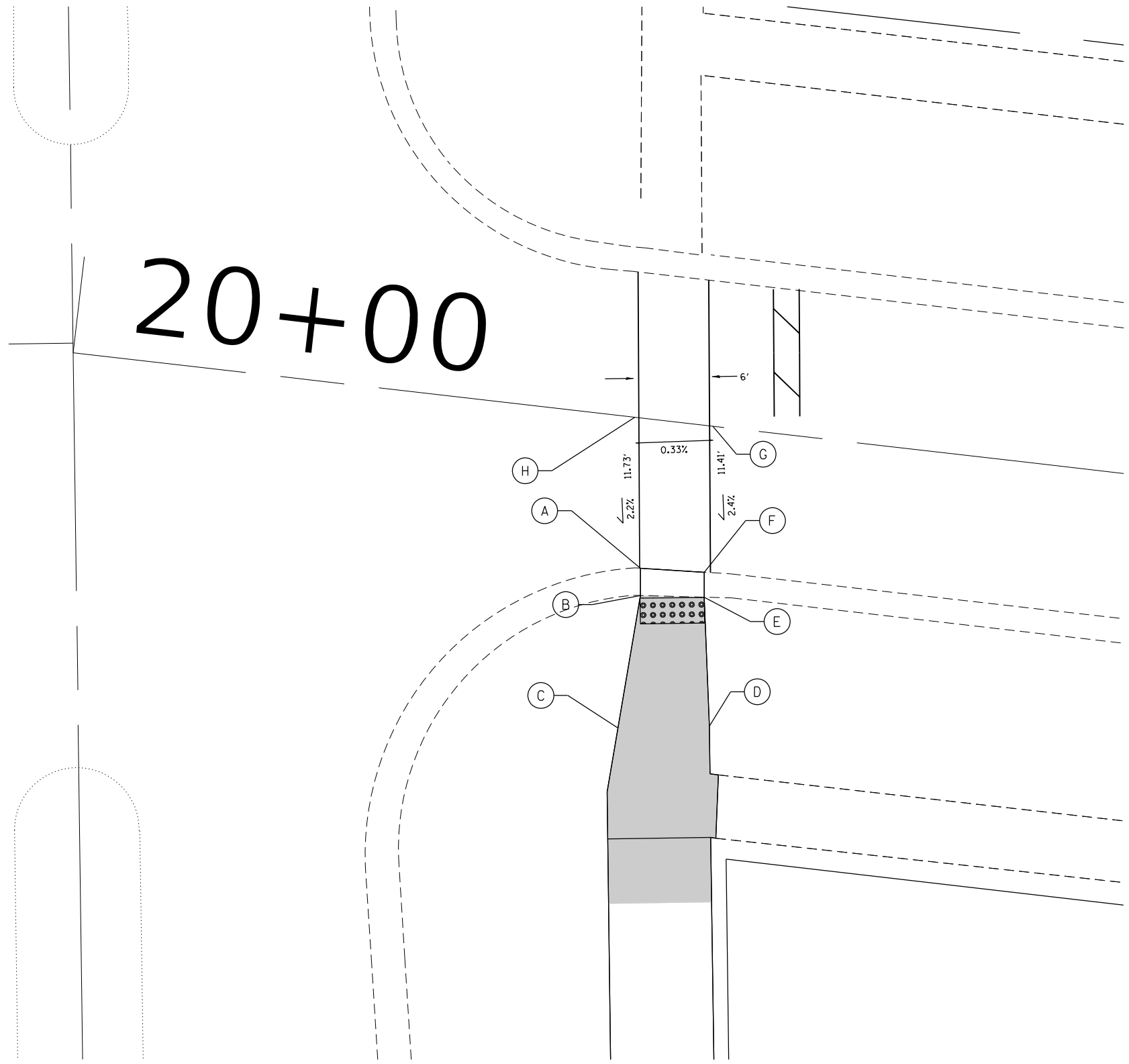
USER NAME = diazia	DESIGNED -	REVISED -
DRAWN -	REVISED -	REVISED -
PLOT SCALE = 10.0117 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/28/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 14 AT MOUNT PROSPECT ROAD
ADA RAMP DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	62
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				

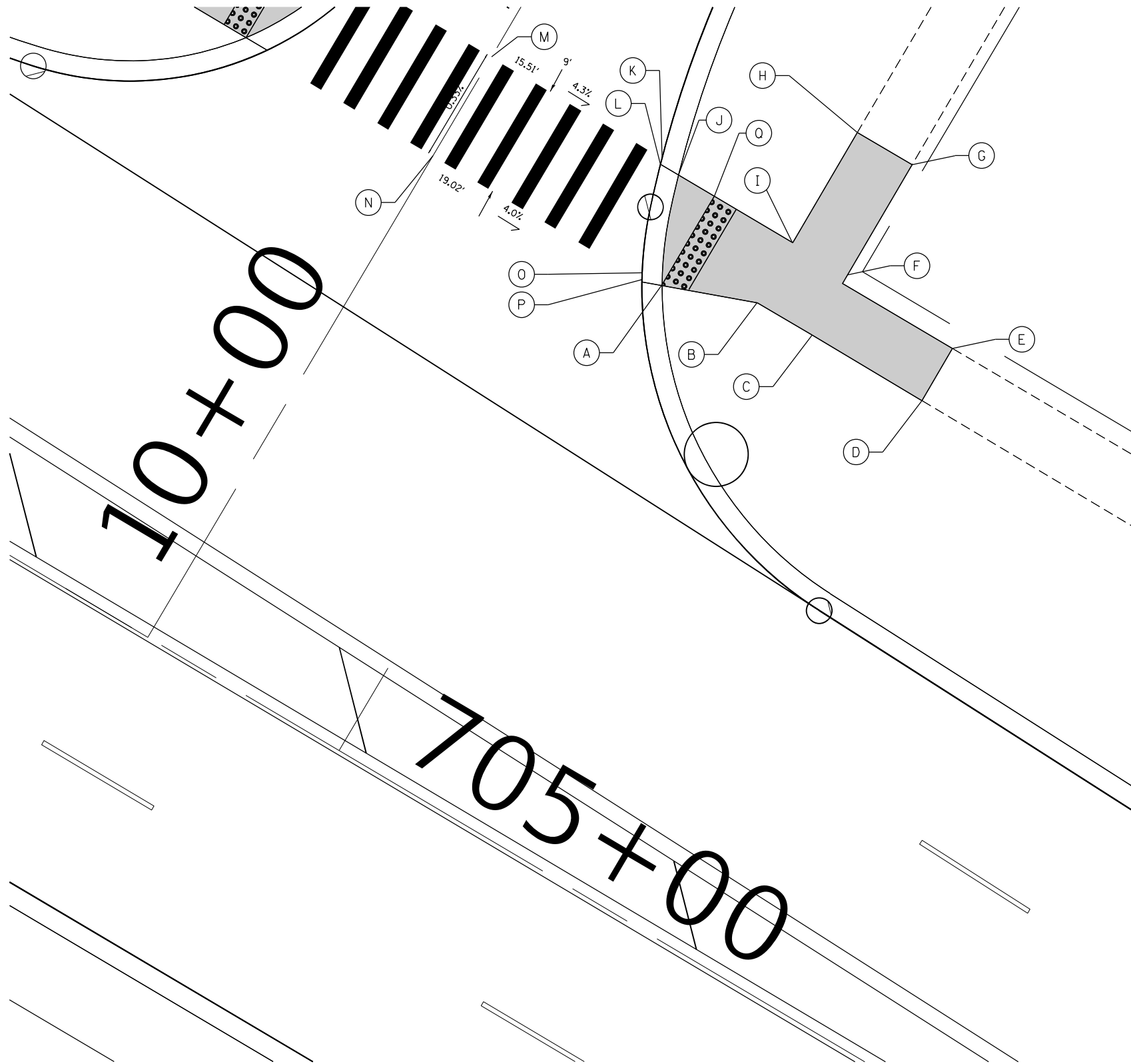


	STATION	OFFSET	ELEVATION
A	38+81.93	43.81' RT	656.05
B	38+79.82	43.79' RT	656.15
C	38+69.55	41.90' RT	656.54
D	38+69.61	49.0' RT	656.6
E	38+79.62	48.75' RT	656.17
F	38+81.55	48.77' RT	656.08
G	38+92.88	49.58' RT	656.35
H	38+93.66	43.53' RT	656.31



MODEL: Default
FILE NAME: C:\pwworkspace\autodesk\dwg\0365274\036512-rt-Details.dgn

	USER NAME = diazla	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 14 AT MOUNT PROSPECT ROAD ADA RAMP DETAILS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 10.0039 ' / in.	DRAWN -	REVISED -					3512	2019-006-N	COOK	146	63
	PLOT DATE = 6/28/2021	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 62H87				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				



	STATION	OFFSET	ELEVATION
A	705+3.17	44.27' LT	655.52
B	705+10.29	46.80' LT	656.13
C	705+15.30	46.82' LT	656.23
D	705+25.30	46.79' LT	656.53
E	705+25.28	51.52' LT	656.68
F	705+15.27	52.29' LT	656.27
G	705+15.23	62.29' LT	656.84
H	705+10.27	62.27' LT	656.72
I	705+10.27	52.27' LT	656.17
J	705+0.08	52.27' LT	655.65
K	705+01.88	52.77' LT	655.66
L	705+01.73	52.27' LT	655.66
M	704+82.61	52.77' LT	656.33
N	704+82.61	43.77' LT	656.3
O	705+01.37	44.24' LT	655.53
P	705+01.63	43.77' LT	655.53
Q	705+03.17	52.27' LT	655.65



MODEL: Default
FILE: MountProspectRoad_ada0368274.rvt
PLOT DATE: 6/28/2021

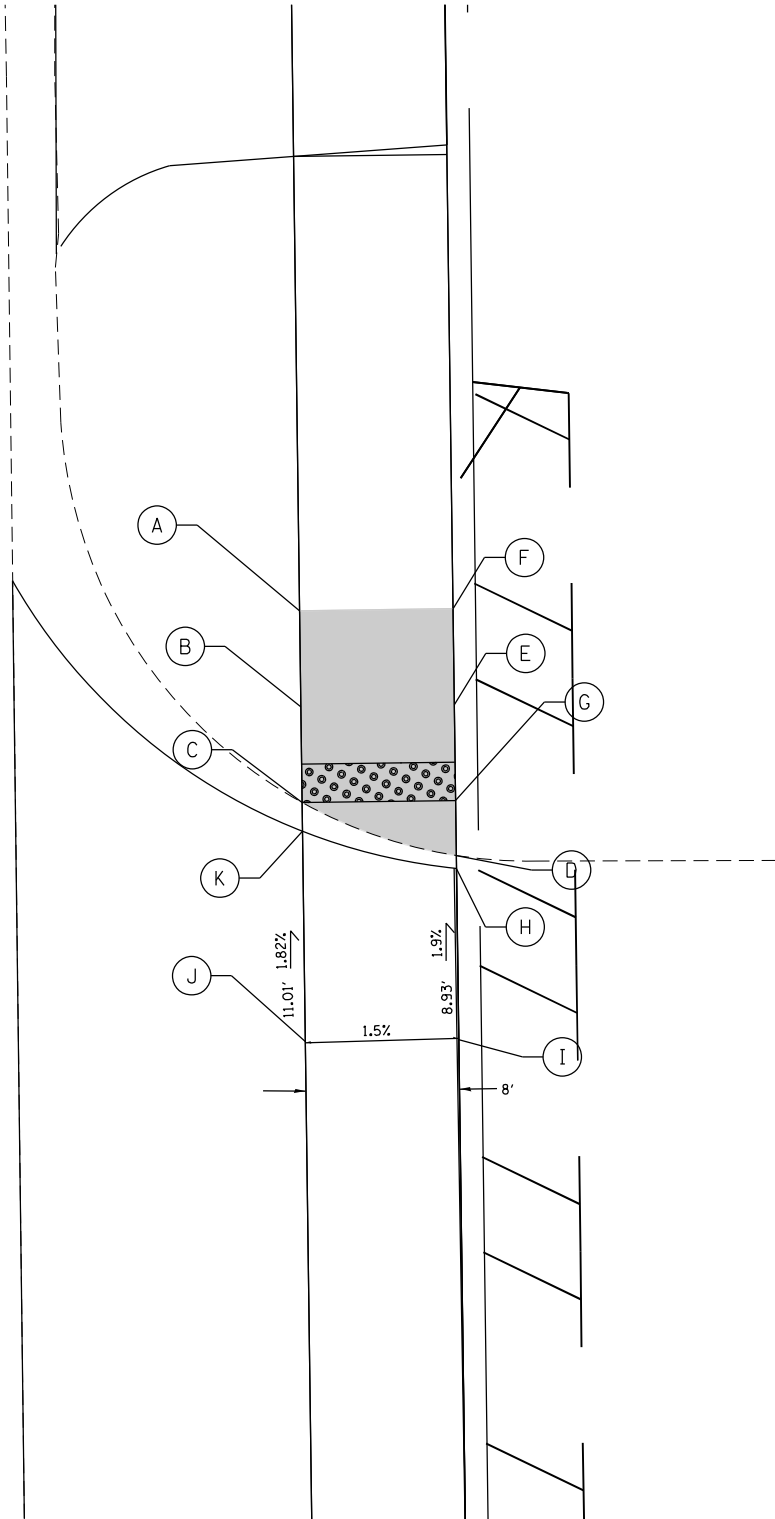
USER NAME = diazia	DESIGNED -	REVISED -
PLOT SCALE = 10.0039 ' / in.	DRAWN -	REVISED -
PLOT DATE = 6/28/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 14 AT MOUNT PROSPECT ROAD
ADA RAMP DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	64
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				

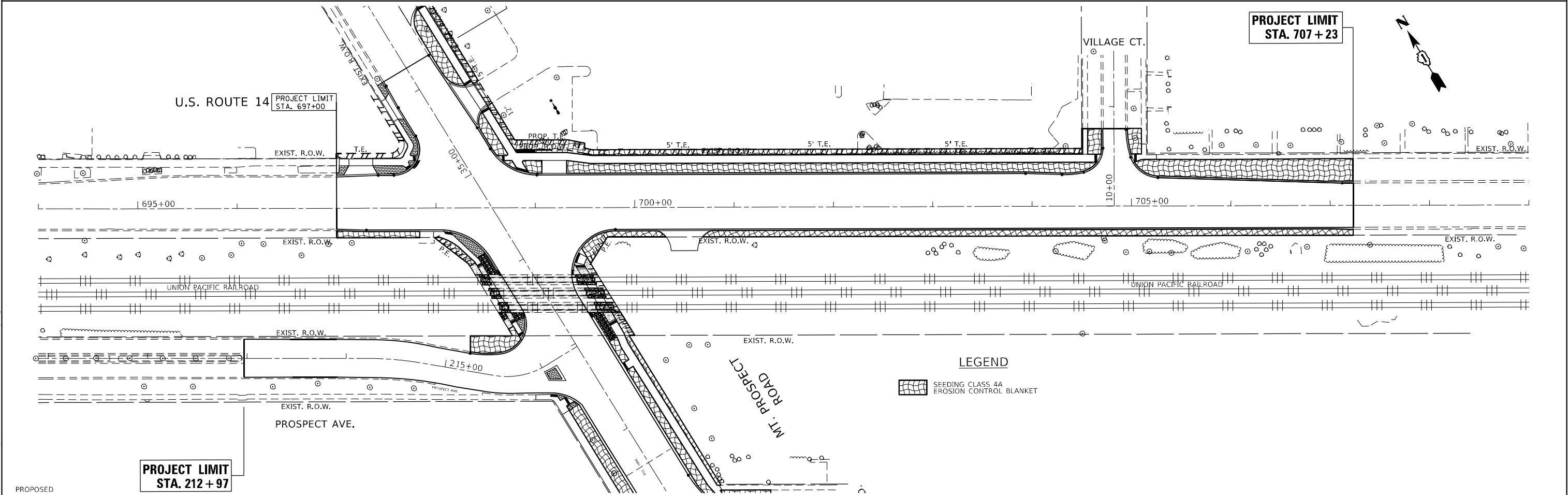
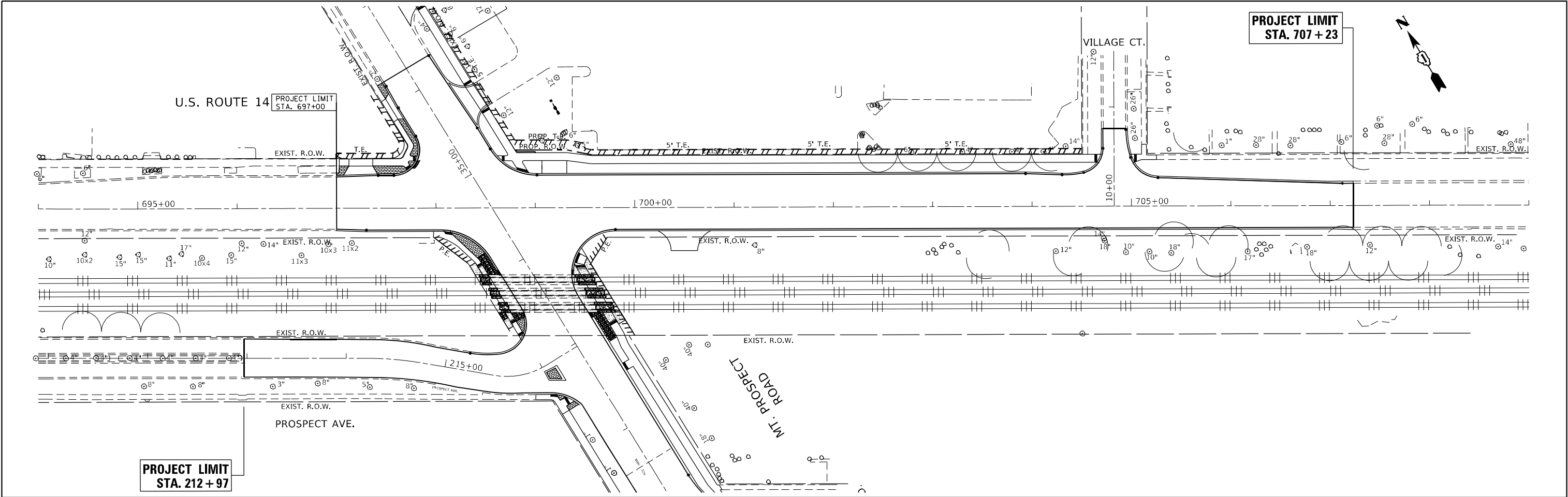


	STATION	OFFSET	ELEVATION
A	37+22.46	41.0' RT	657.20
B	37+17.46	41.0' RT	657.12
C	37+12.46	41.0' RT	656.94
D	37+9.59	49.0' RT	657.08
E	37+17.46	49.0' RT	657.21
F	37+22.46	49.0' RT	657.29
G	37+12.46	49.0' RT	657.05
H	37+08.93	49.0' RT	657.09
I	37+00	49.0' RT	657.26
J	37+00	41.0' RT	657.14
K	37+10.93	41.0' RT	656.94

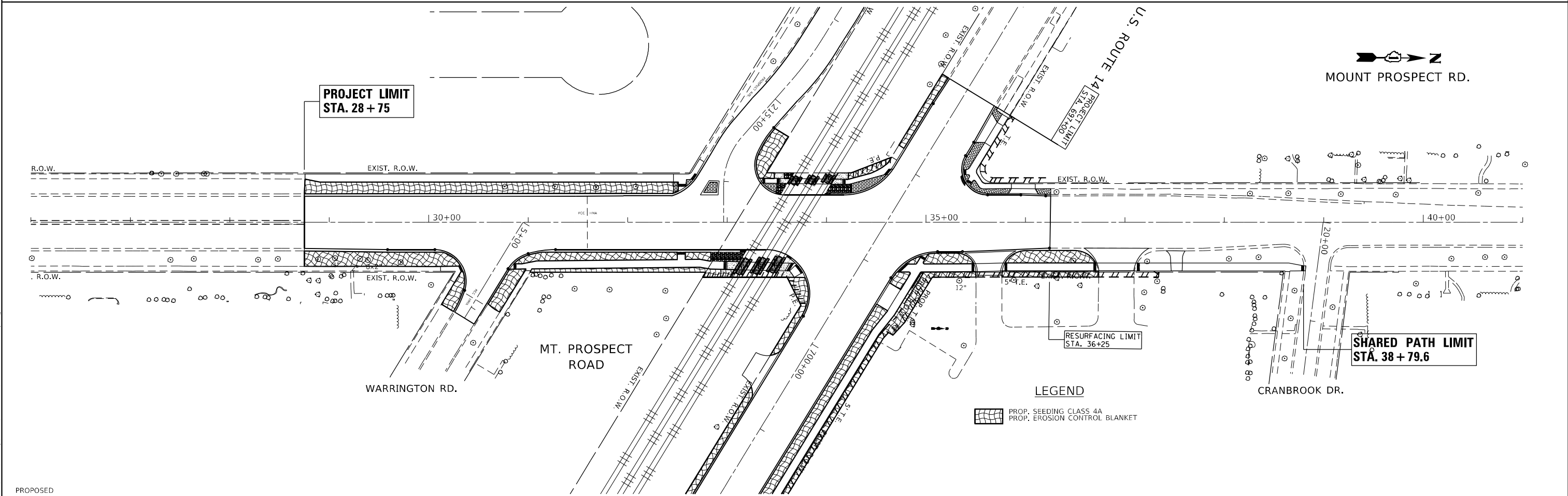
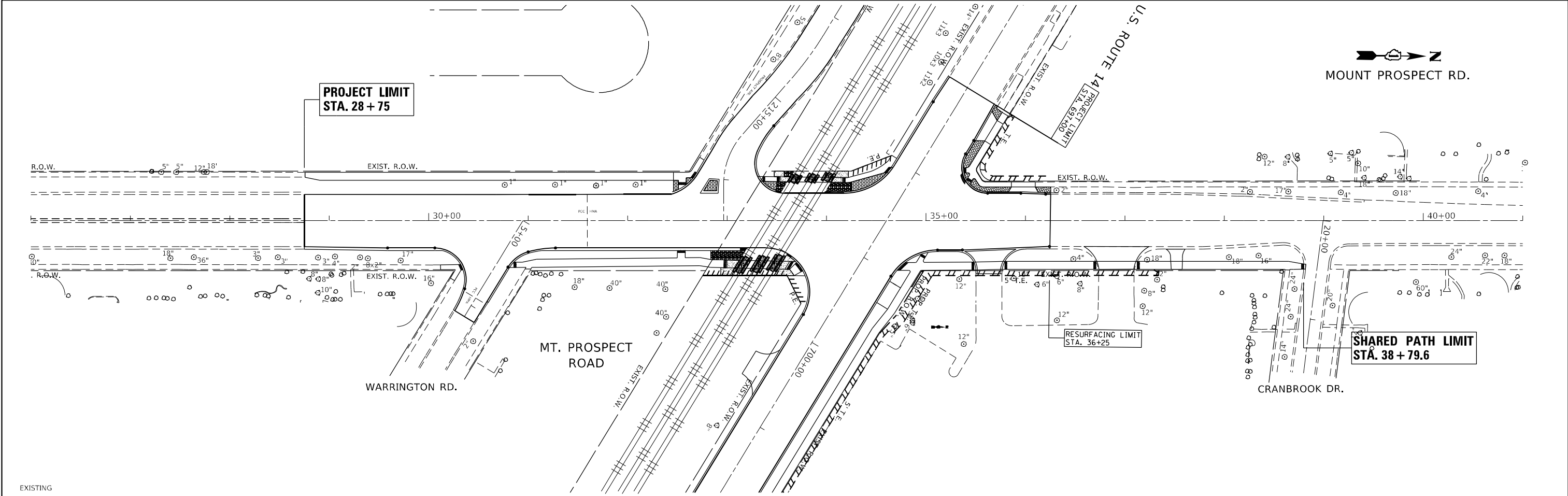


MODEL: Default
FILE: I:\Users\c\pau_wor\pau\pau\hls\hls\03769274\IP130513-ct-detail.dgn

	USER NAME = diazla	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 14 AT MOUNT PROSPECT ROAD ADA RAMP DETAILS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						3512	2019-006-N	COOK	146	66
	PLOT SCALE = 10.0039 ' / in.	CHECKED -	REVISED -						CONTRACT NO. 62H87				
	PLOT DATE = 6/28/2021	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS	FED. AID PROJECT

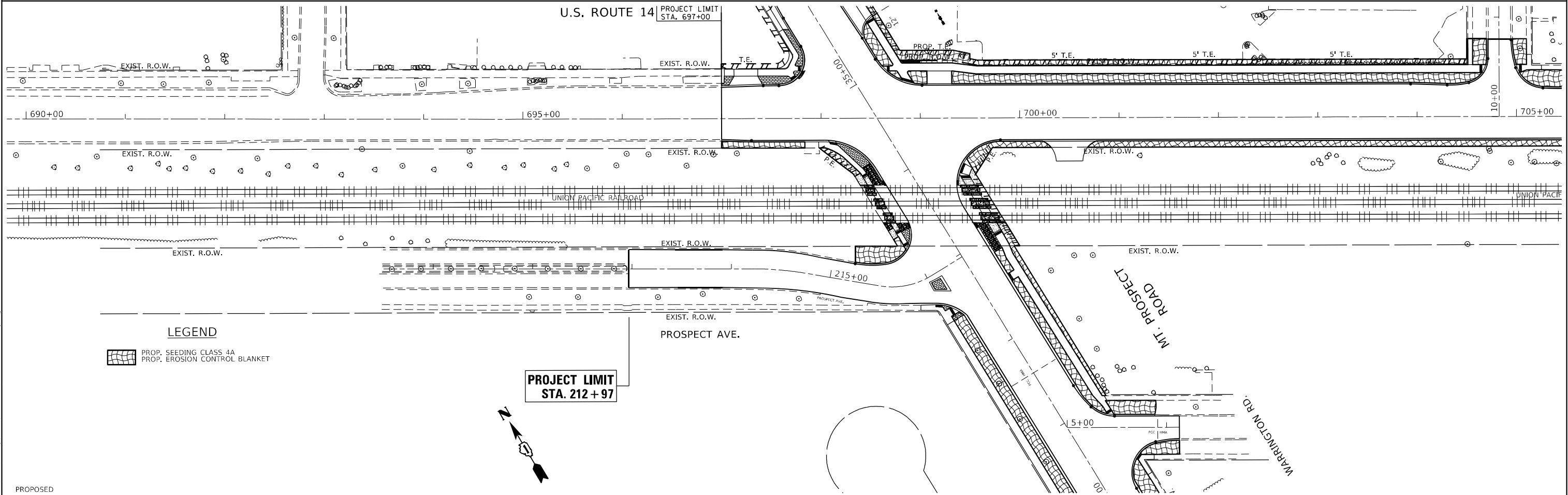
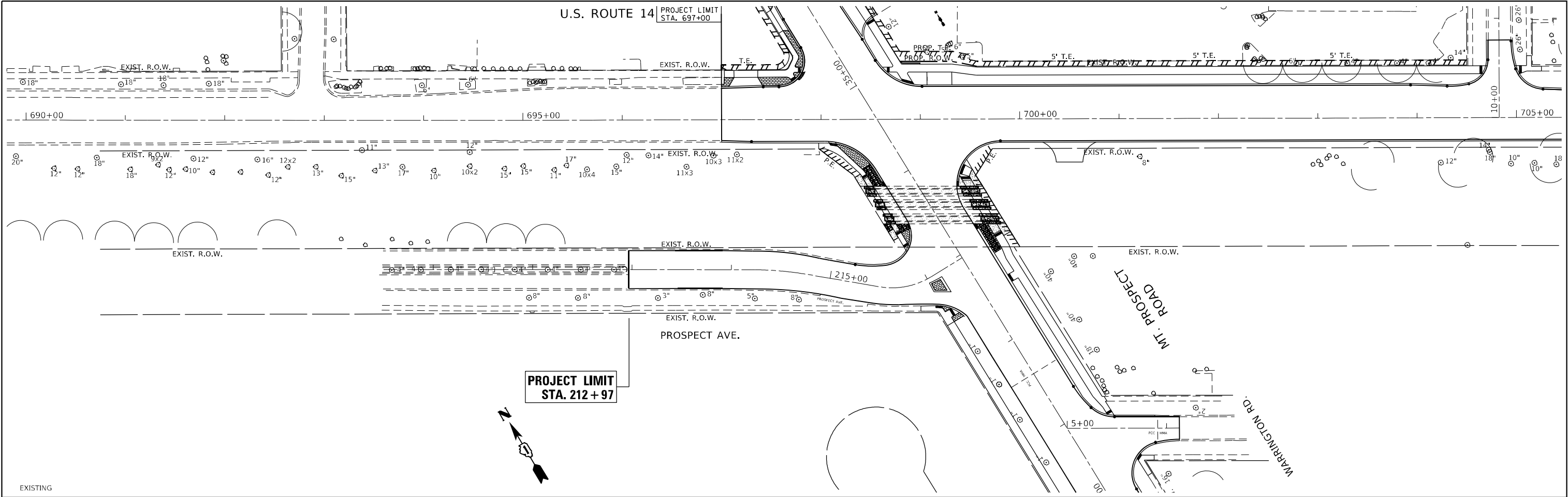


	USER NAME = diaza	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LANDSCAPING PLAN U.S. ROUTE 14 AT MOUNT PROSPECT ROAD				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						3512	2019-006-N	COOK	146	68
	PLOT SCALE = 100,000' / in.	CHECKED -	REVISED -		CONTRACT NO. 62H87								
	PLOT DATE = 7/1/2021	DATE -	REVISED -		SCALE: 1"=50'	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT	



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				LANDSCAPING PLAN U.S. ROUTE 14 AT MOUNT PROSPECT ROAD				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
								3512	2019-006-N	COOK	146	69
								CONTRACT NO. 62H87				
								ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE: N:\MIS_C\Users\dlab\Desktop\62H87\62H87_69.DWG
6/21/2021 1:30:13 PM



LEGEND

PROP. SEEDING CLASS 4A
PROP. EROSION CONTROL BLANKET

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				LANDSCAPING PLAN U.S. ROUTE 14 AT MOUNT PROSPECT ROAD				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
								3512	2019-006-N	COOK	146	70
								CONTRACT NO. 62H87				
								ILLINOIS FED. AID PROJECT				

USER NAME	= dliada	DESIGNED	-	REVISED	-
DRAWN	-	CHECKED	-	REVISED	-
PLOT SCALE	= 100,0000 ' / in.	DATE	-	REVISED	-
PLOT DATE	= 7/1/2021				

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

MODEL: Default
FILE: N:\GIS\3512\GIS\3512.dwg
PLOT: 7/1/2021 10:00:00 AM
PLOT: 7/1/2021 10:00:00 AM

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

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

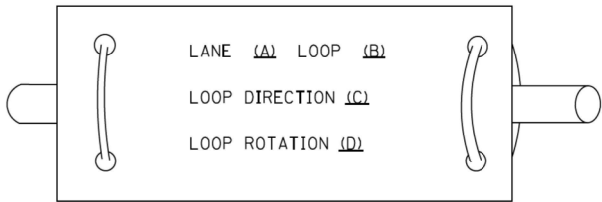
TS SHT NO.1

FILE NAME = ts05.dgn Default	USER NAME = leyse	DESIGNED – IP	REVISED –	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN – IP	REVISED –						3512	2019-006-N	COOK	146	71
	PLOT SCALE = 50.0000 ' / in.	CHECKED – LP	REVISED –		TS-05					CONTRACT NO. 62H87			
	PLOT DATE = 9/29/2016	DATE – 9/29/2016	REVISED –		SCALE: NONE		SHEET 1	OF 7	SHEETS	STA.	TO STA.		
ILLINOIS FED. AID PROJECT													

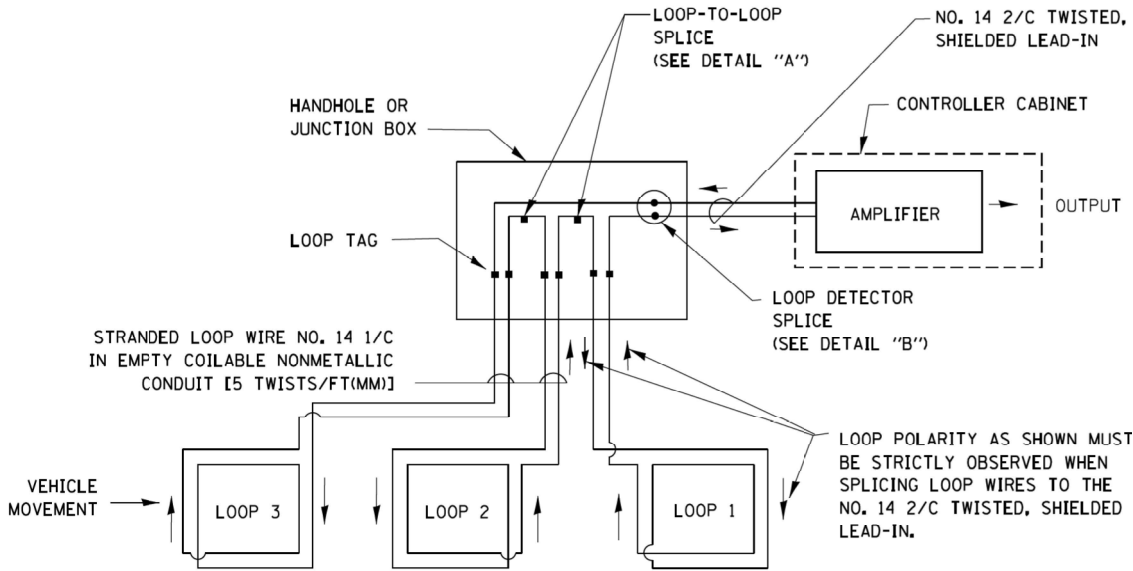
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

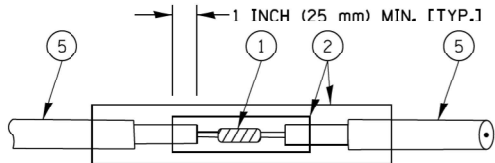


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

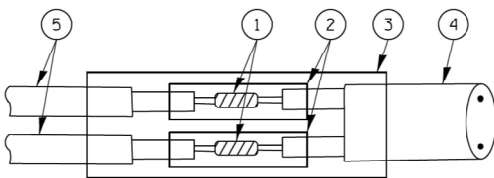


DETECTOR LOOP WIRING SCHEMATIC

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

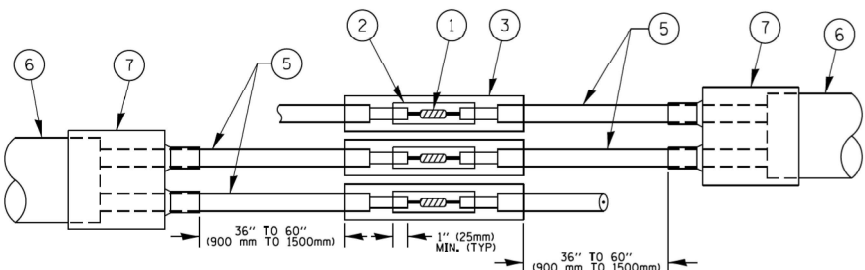


DETAIL "A"
LOOP-TO-LOOP SPLICE

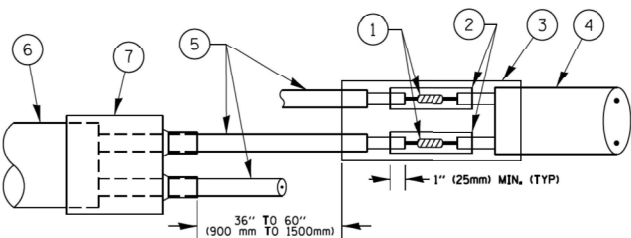


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

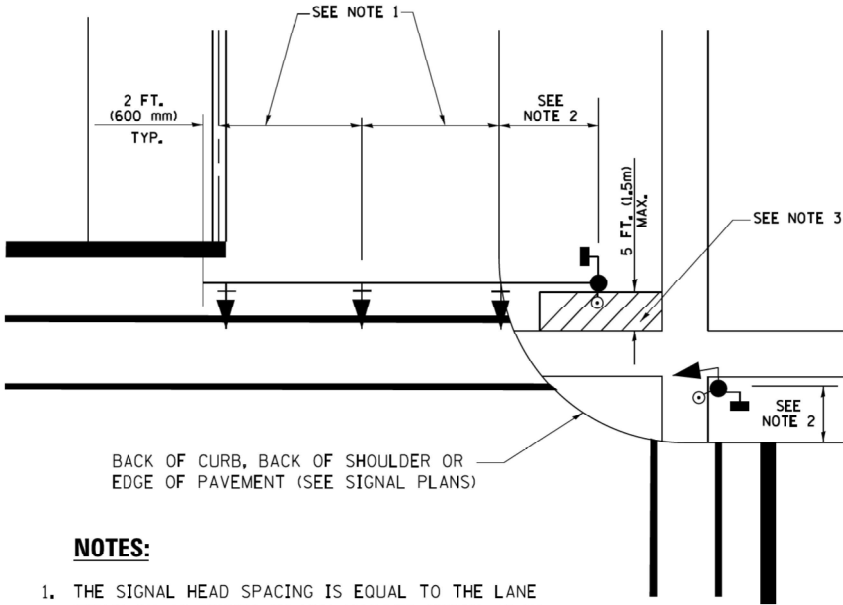
PREFORMED LOOP

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 LENGHT 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 = c:\pw\work\p\dot\footemj\d0108315\ts05.dgn	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A.U. RTE. 3512	SECTION 2019-006-N TS-05	COUNTY COOK	TOTAL SHEETS 146	SHEET NO. 72
	PLOT SCALE = 50.0000 ' / in.	CHECKED - DAD	REVISED -					CONTRACT NO. 62H87				
	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -		SCALE: NONE	SHEET NO. 2	OF 7 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

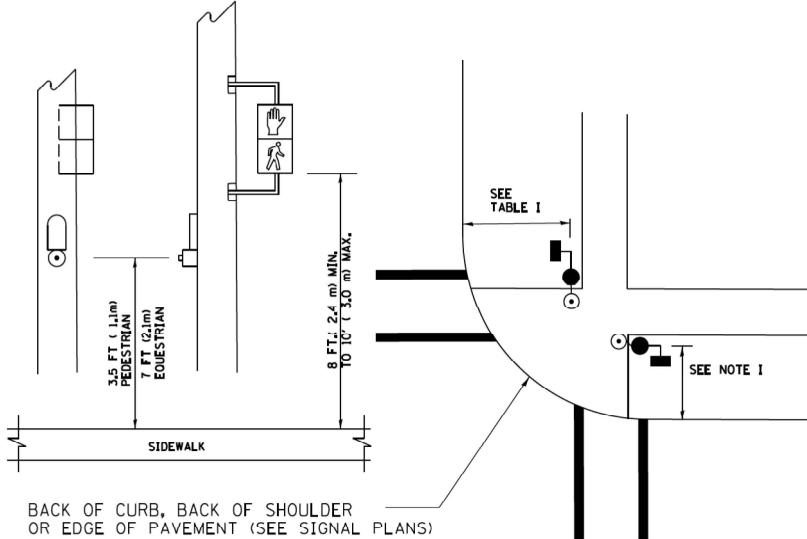
TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



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."

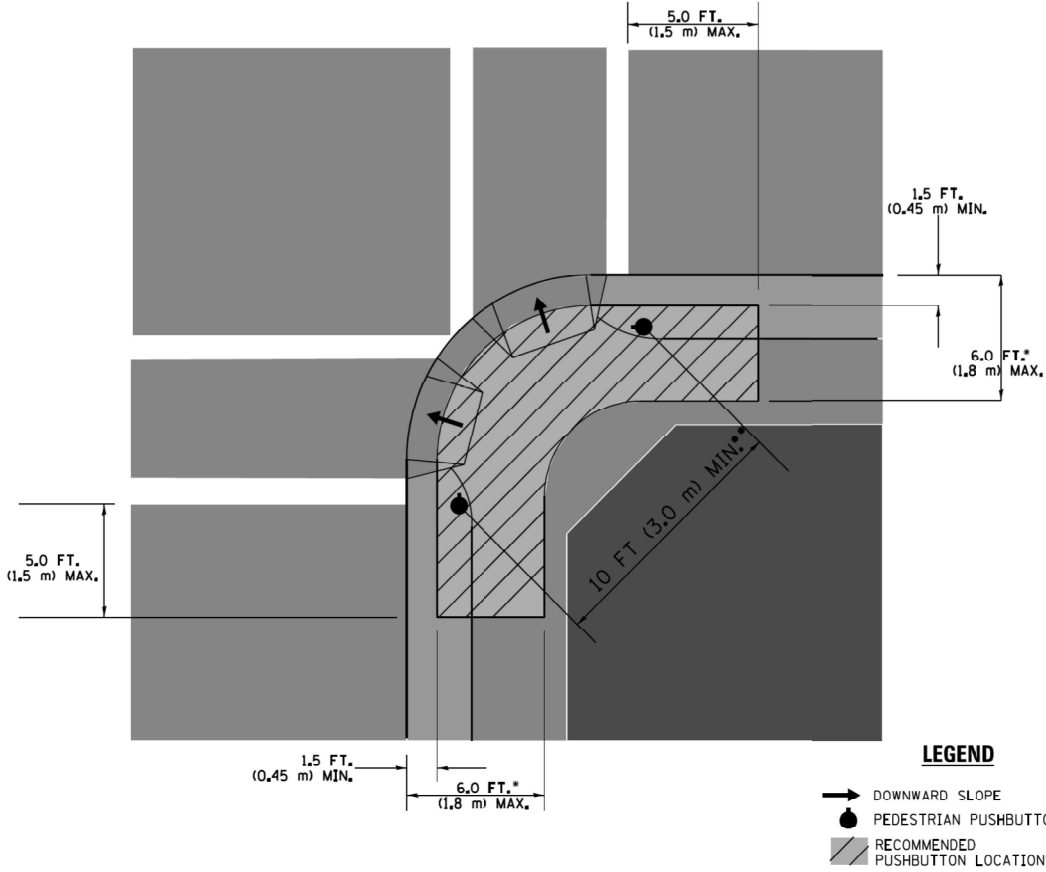
PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST



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



- * WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- ** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

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

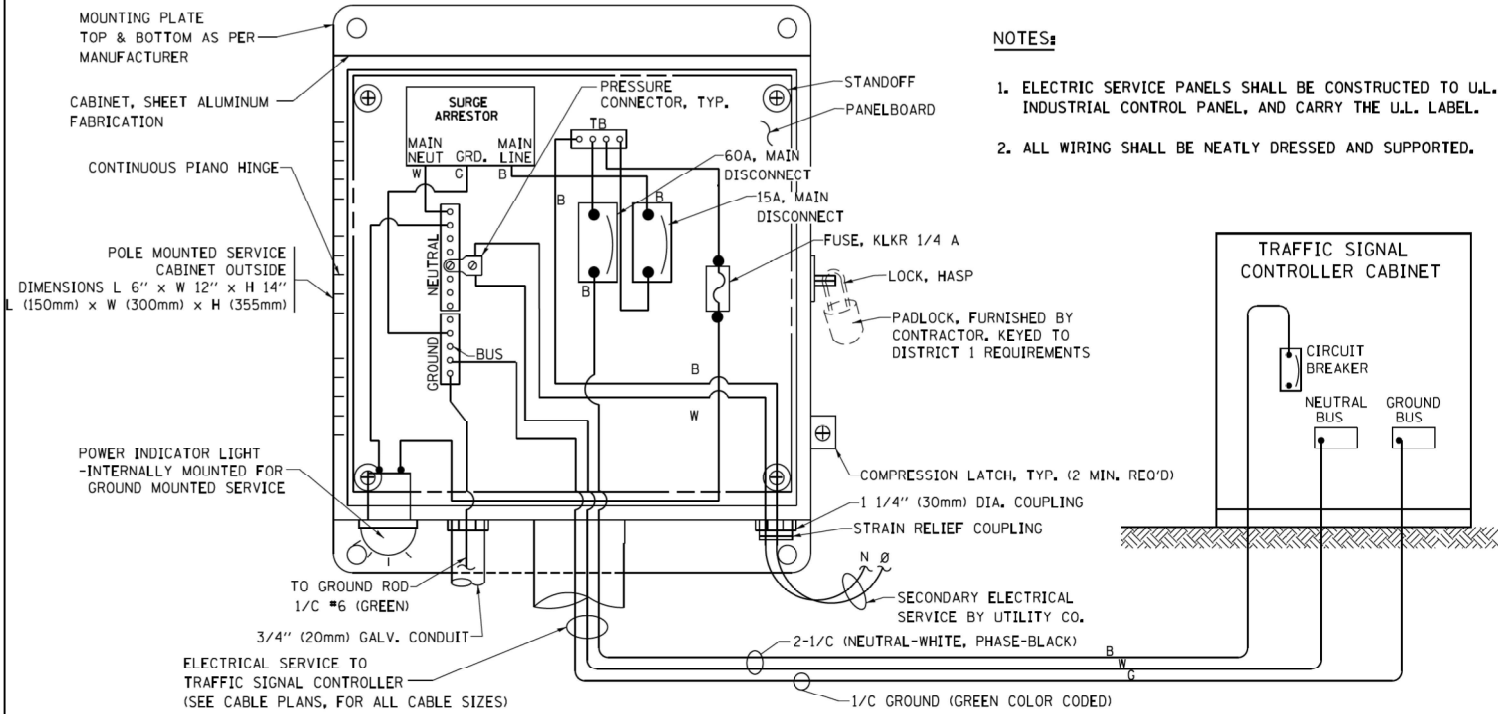
TRAFFIC SIGNAL EQUIPMENT OFFSET

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

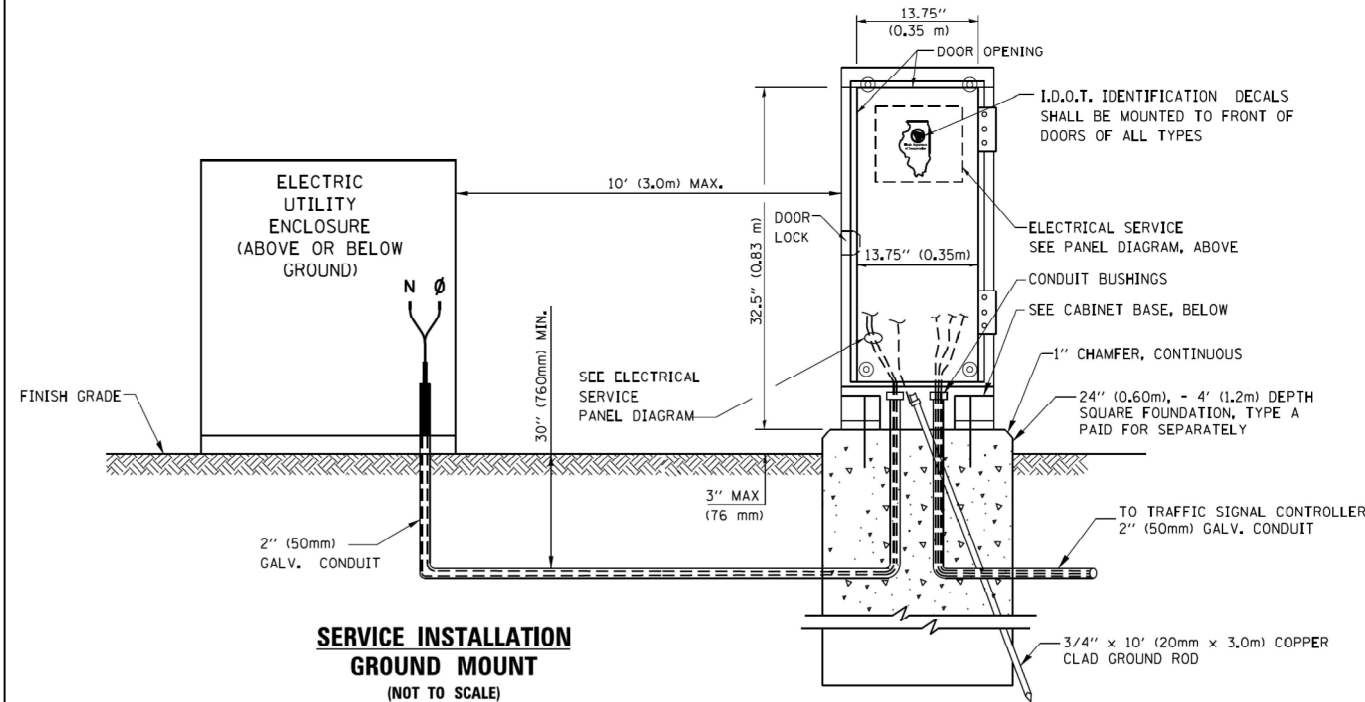
NOTES:

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

FILE NAME = ca\pw\work\p\sidot\footemj\d0108315\ts05.dgn	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - BCK	REVISED -			3512	2019-006-N	COOK	146	73
	PLOT SCALE = 50.0000 ' / in.	CHECKED - DAD	REVISED -			TS-05		CONTRACT NO. 62H87		
	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -			SCALE: NONE	SHEET NO. 3 OF 7 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT

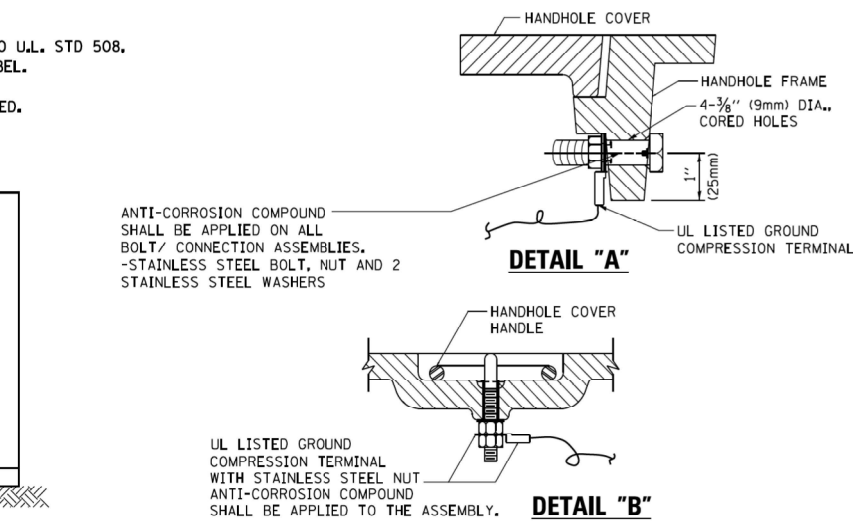
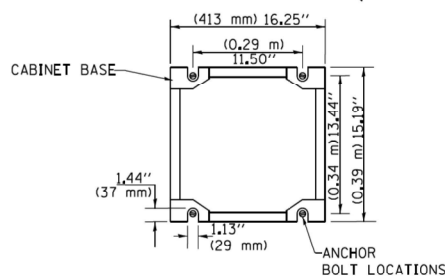


ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)

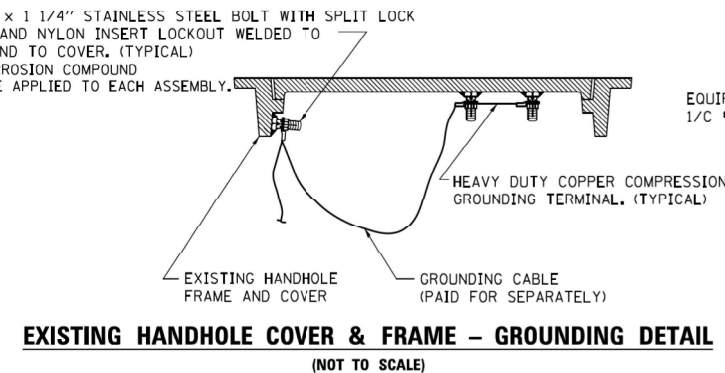


SERVICE INSTALLATION GROUND MOUNT (NOT TO SCALE)

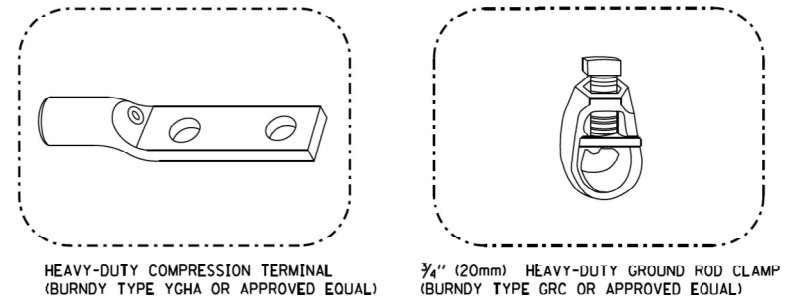
CABINET - BASE BOLT PATTERN (NOT TO SCALE)



HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)

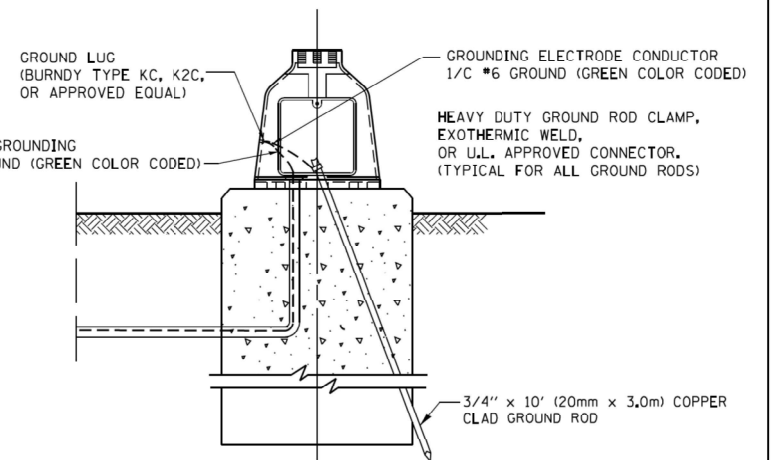


EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)



NOTES:

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



MAST ARM POLE / POST-GROUNDING DETAIL (NOT TO SCALE)

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca\pwork\pwork\footemj\d0108315\ts05.dgn		DRAWN - BCK	REVISED -		STANDARD TRAFFIC SIGNAL DESIGN DETAILS			3512	2019-006-N	COOK	146	74
		CHECKED - DAD	REVISED -					TS-05		CONTRACT NO. 62H87		
		DATE - 10-28-09	REVISED -		SCALE: NONE	SHEET NO. 4	OF 7 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

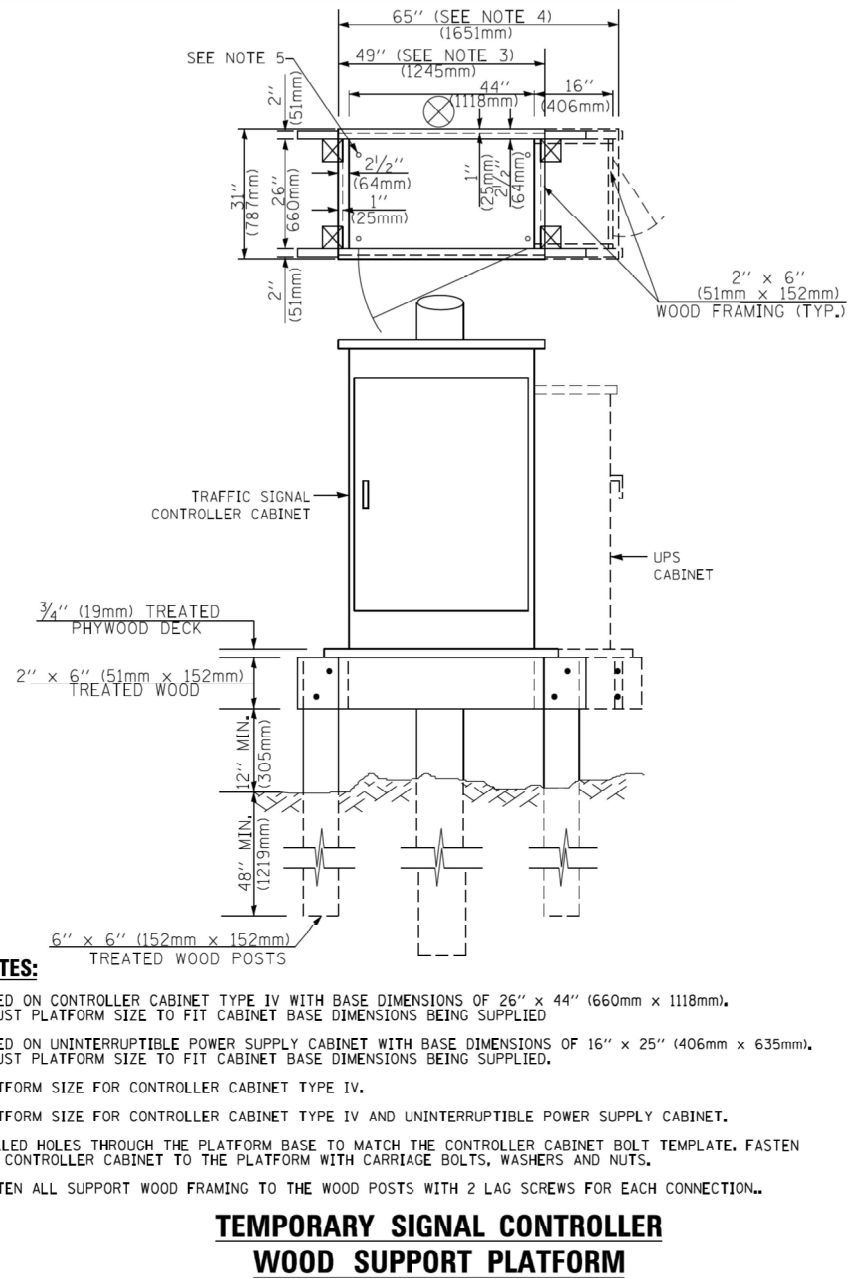
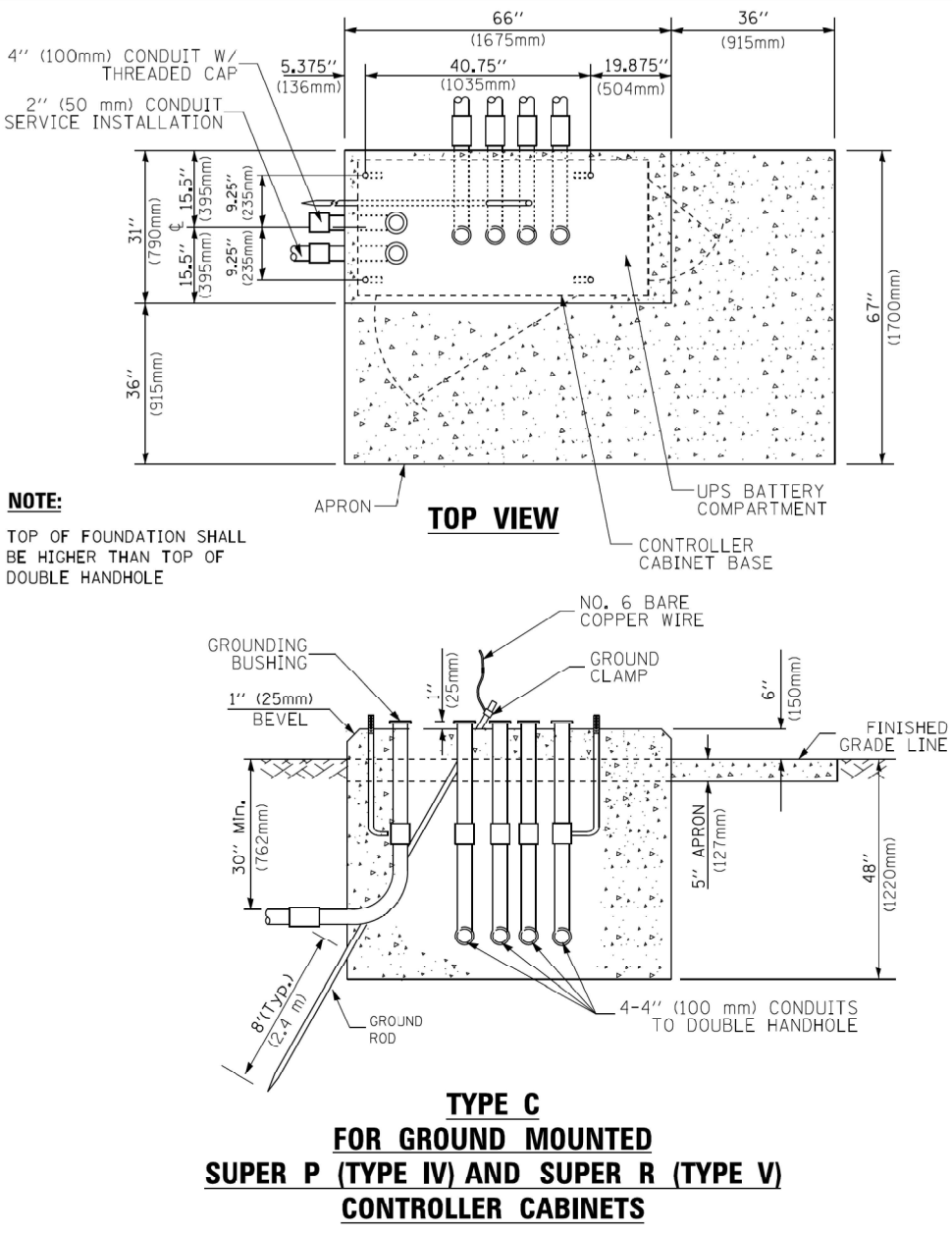
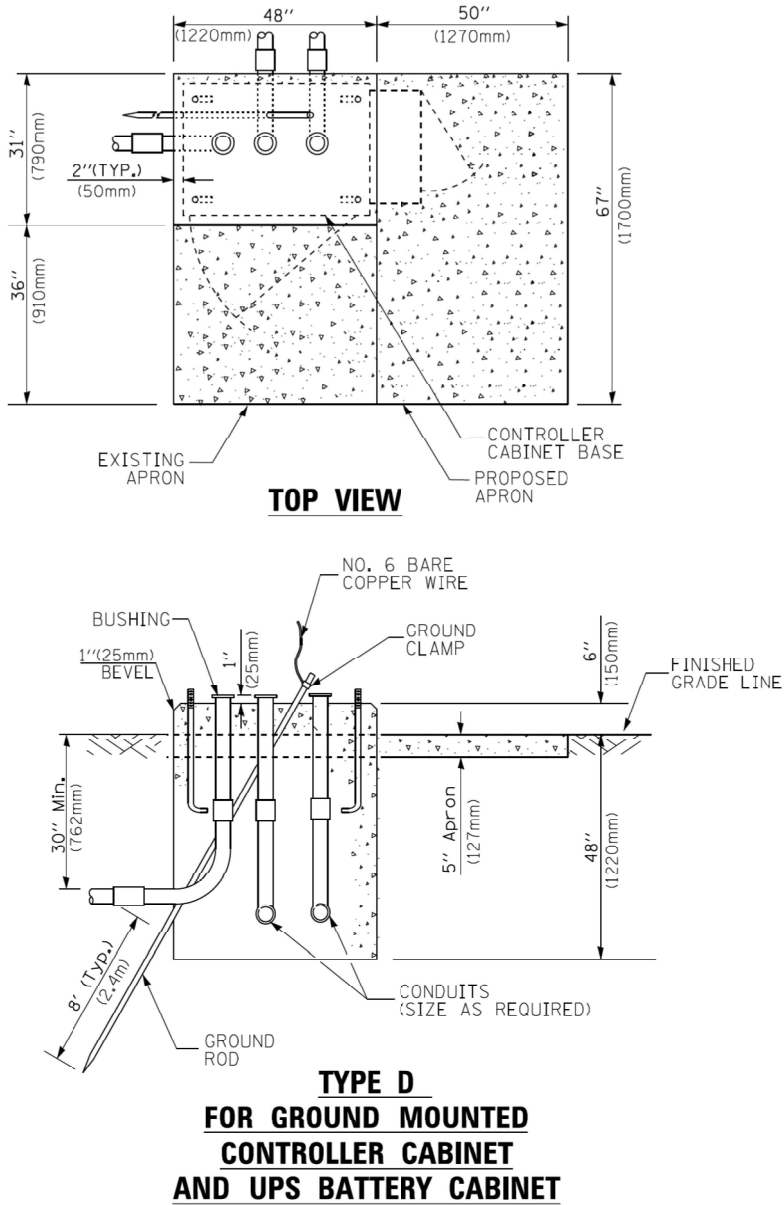
MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

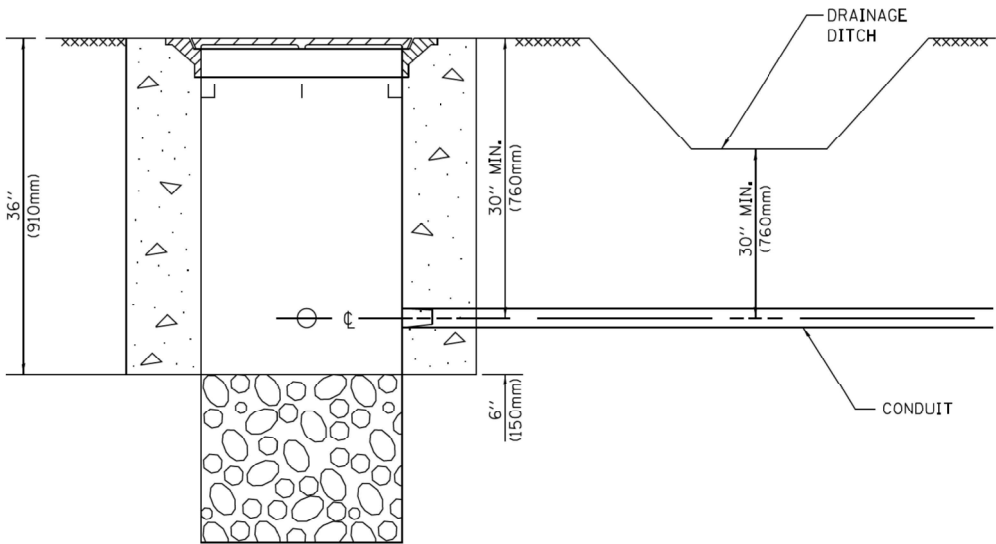
NOTES:

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

FILE NAME = c:\p\work\p\sidot\footemj\d0108315\ts05.dgn	USER NAME = footemj	DESIGNED - DAG	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - BCK	REVISED -					3512	2019-006-N	COOK	146	75
	PLOT SCALE = 50.0000 ' / in.	CHECKED - DAD	REVISED -					TS-05		CONTRACT NO. 62H87		
	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
			SCALE: NONE		SHEET NO. 5 OF 7 SHEETS		STA.	TO STA.				

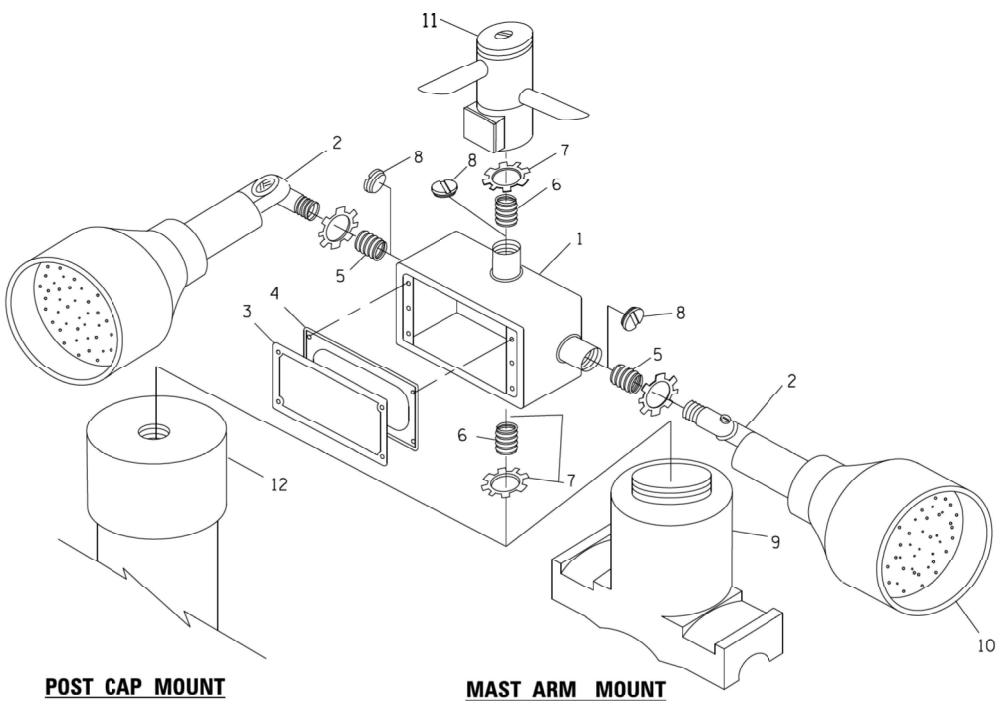




NOTES:

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.

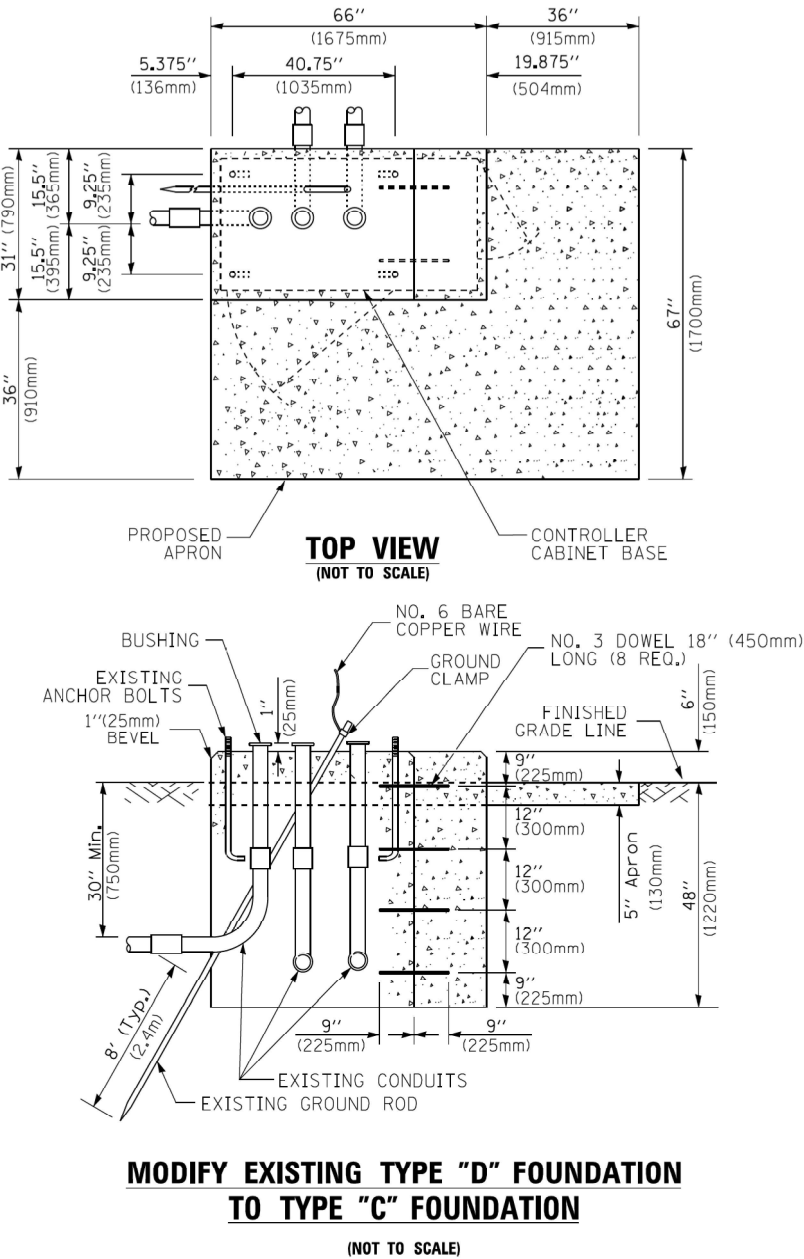
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



POST CAP MOUNT

MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

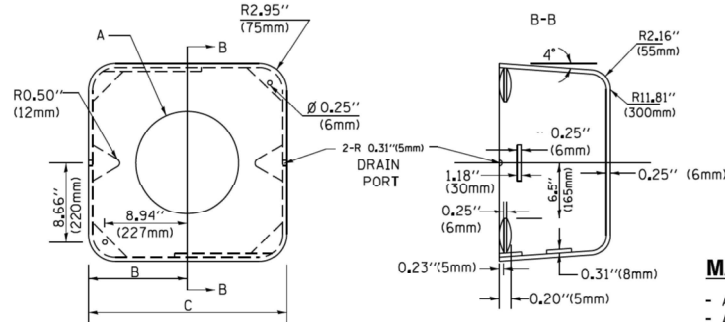


MODIFY EXISTING TYPE "D" FOUNDATION
TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



MATERIAL:

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

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

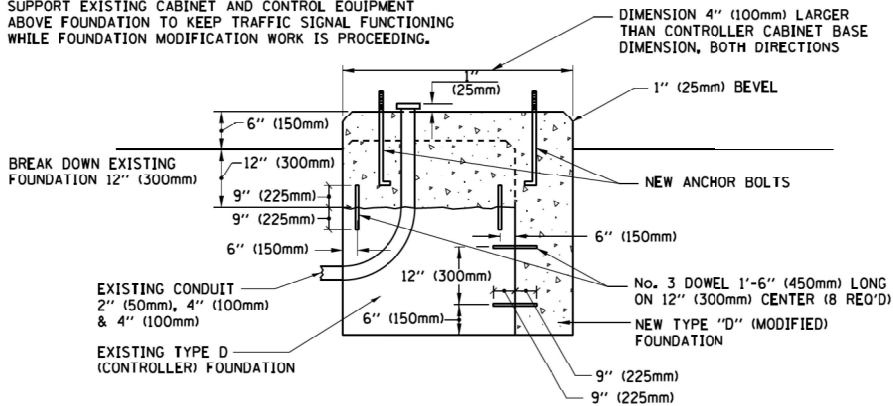
SHROUD

NOTES:

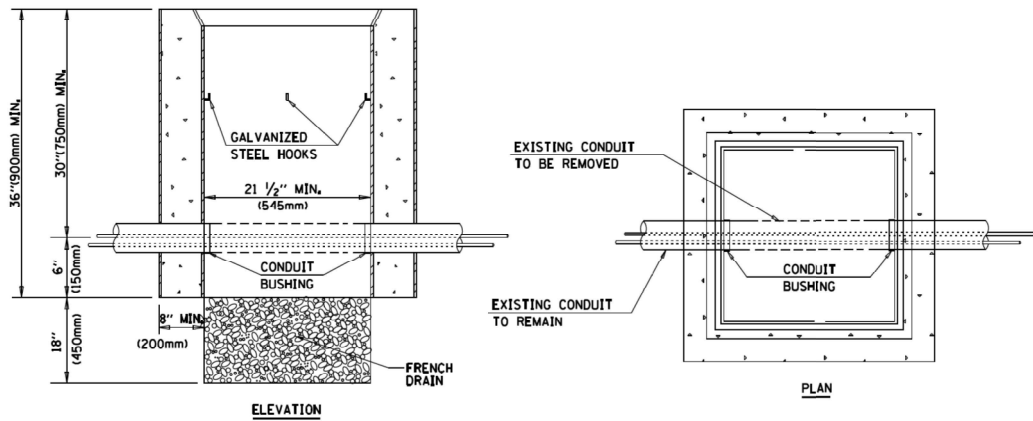
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION

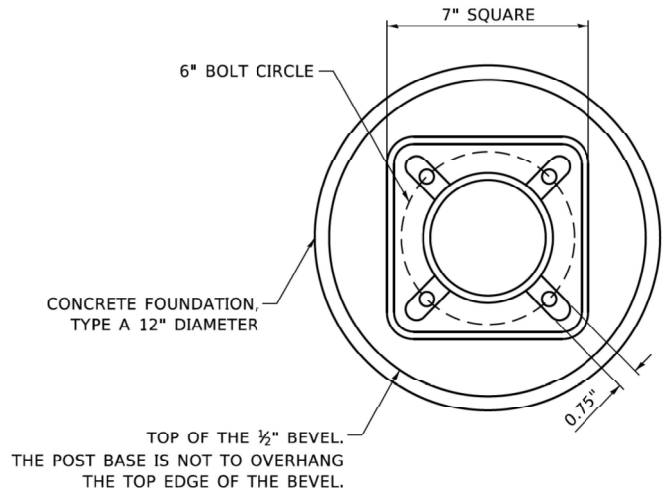


NOTES:

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.

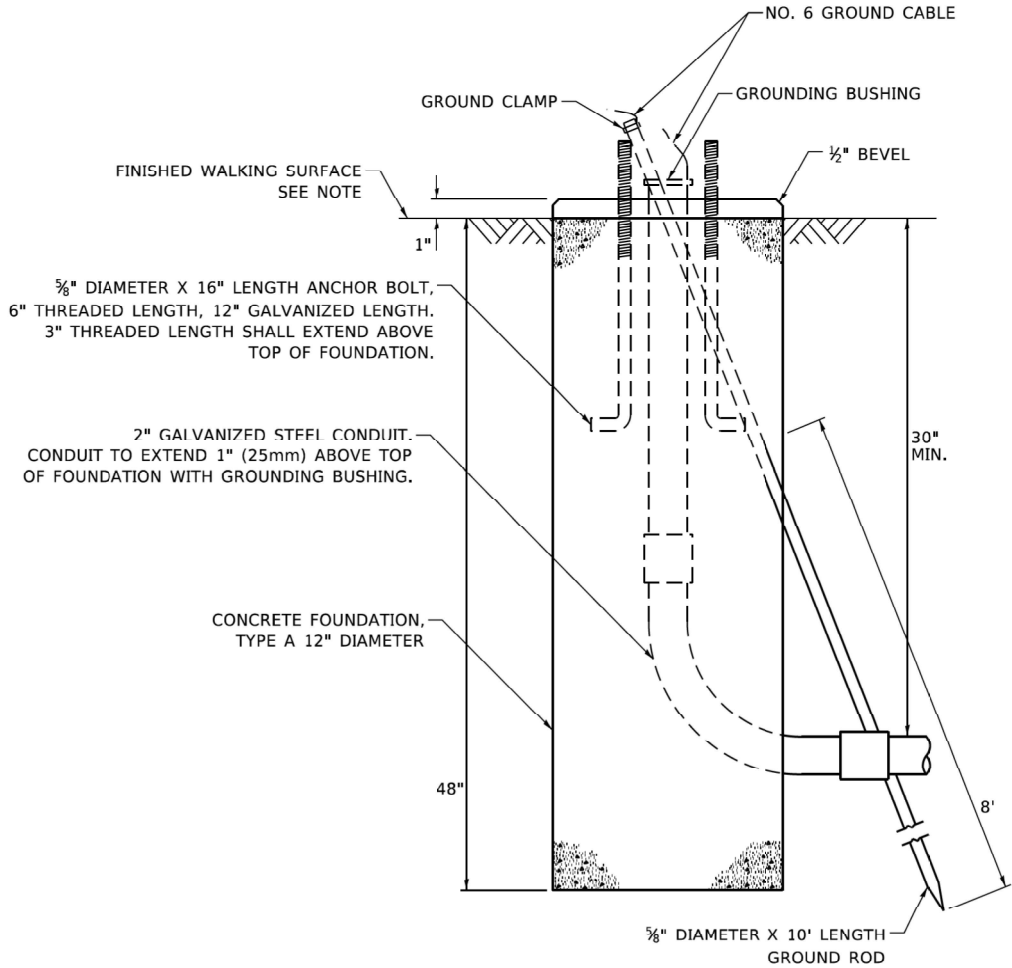
HANDHOLE TO INTERCEPT EXISTING CONDUIT

FILE NAME = c:\pwork\pwork\footemj\d0108315\ts05.dgn	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.U. RTE. 3512	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - BCK	REVISED -				2019-006-N	COOK	146	76
	PLOT SCALE = 50.0000 ' / in.	CHECKED - DAD	REVISED -				TS-05			
	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -				CONTRACT NO. 62H87			
							SCALE: NONE	SHEET NO. 6 OF 7 SHEETS		STA.
						FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

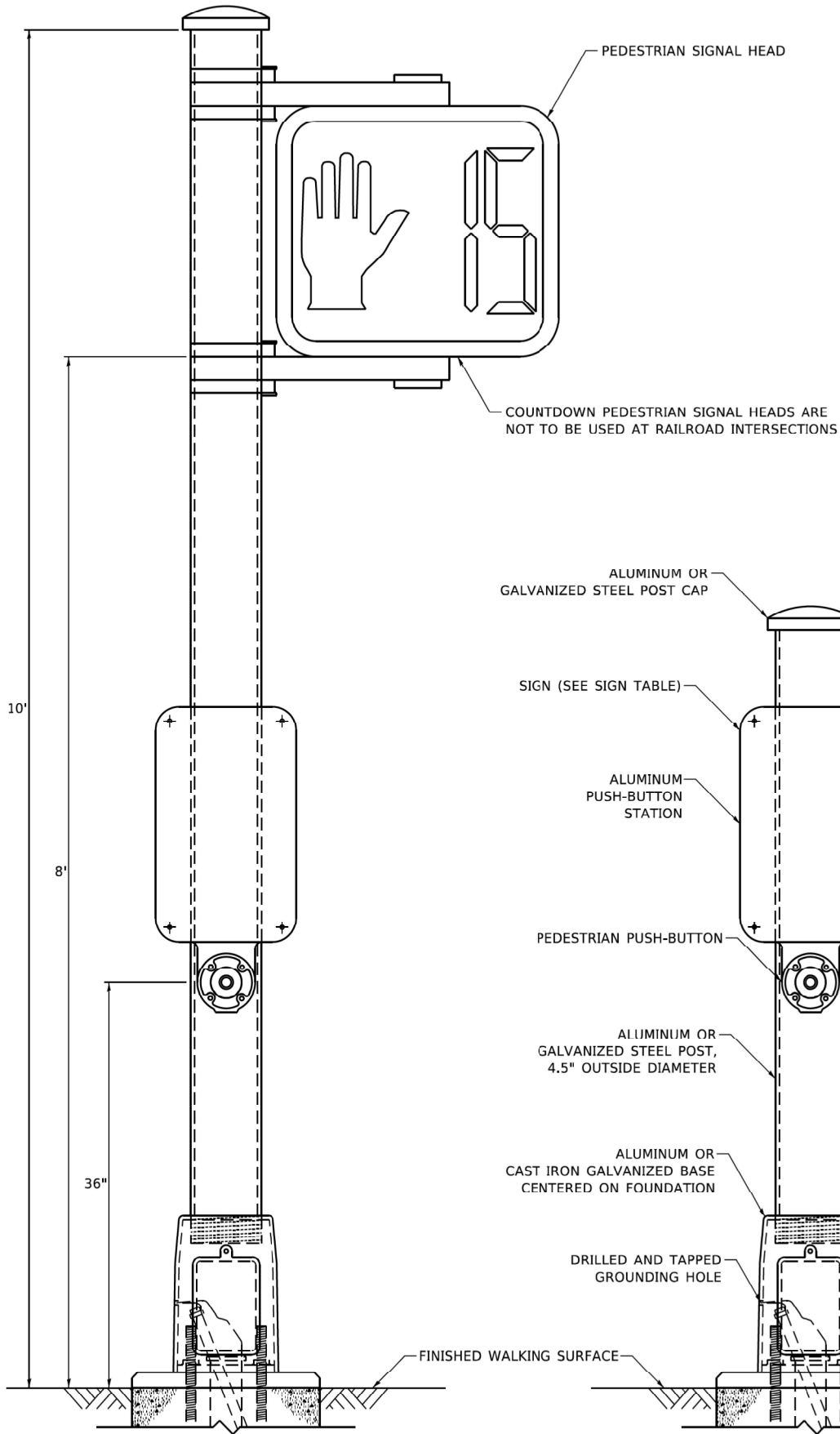


BOLT PATTERN

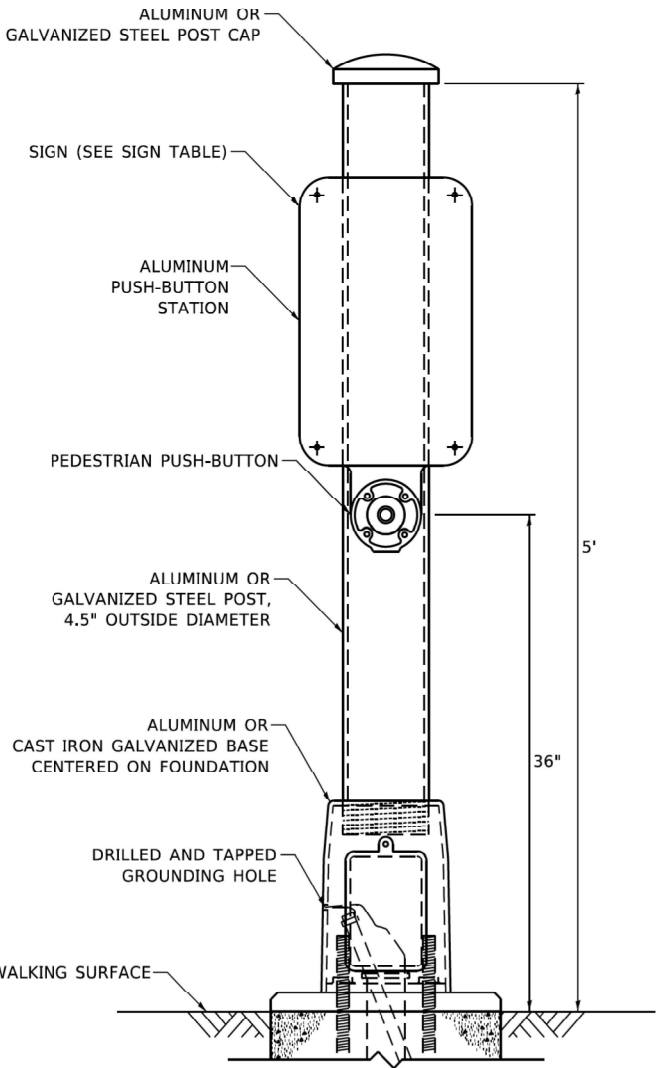
NOTE:
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



**CONCRETE FOUNDATION,
TYPE A 12-INCH DIAMETER**



PEDESTRIAN SIGNAL POST, 10 FT.



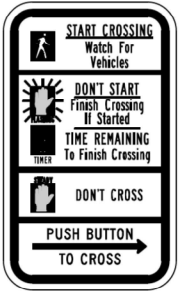
PEDESTRIAN SIGNAL POST, 5 FT.



R10-3b



R10-3d

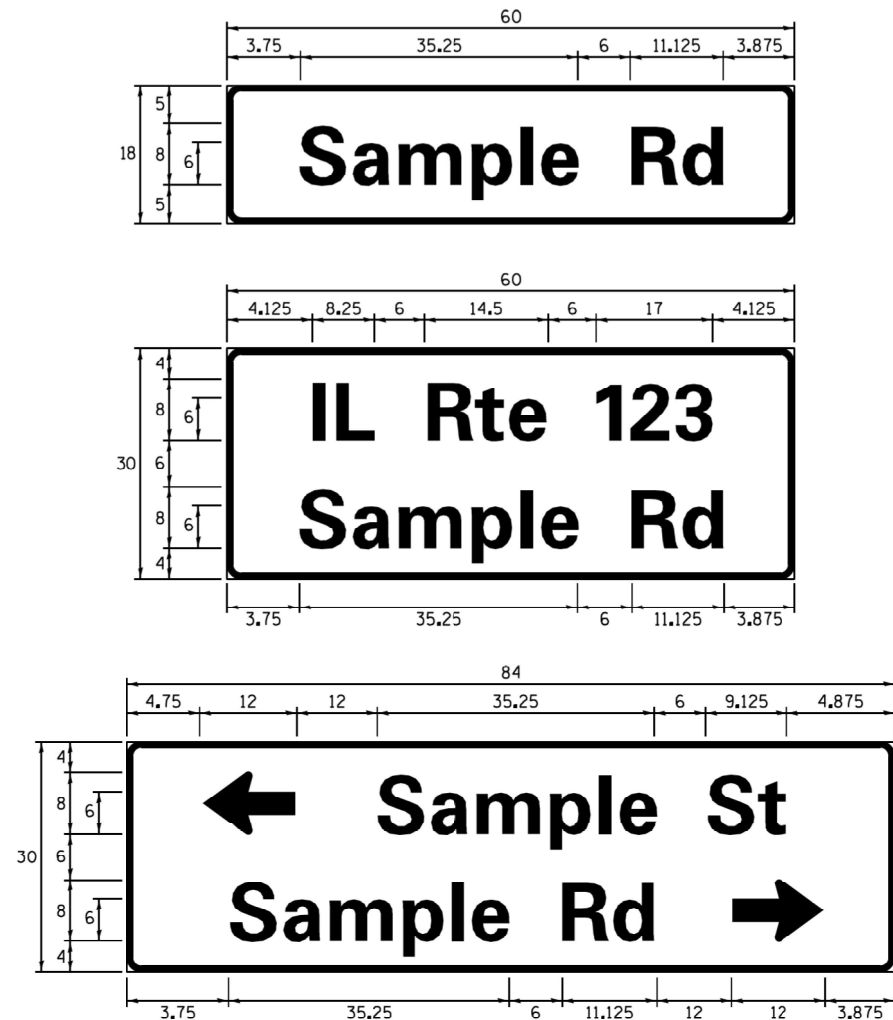


R10-3e

SIGN TABLE

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

SIGN PANEL – TYPE 1 OR TYPE 2

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

ALL DIMENSIONS ARE IN INCHES EXCEPT NOTED OTHERWISE

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVIATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

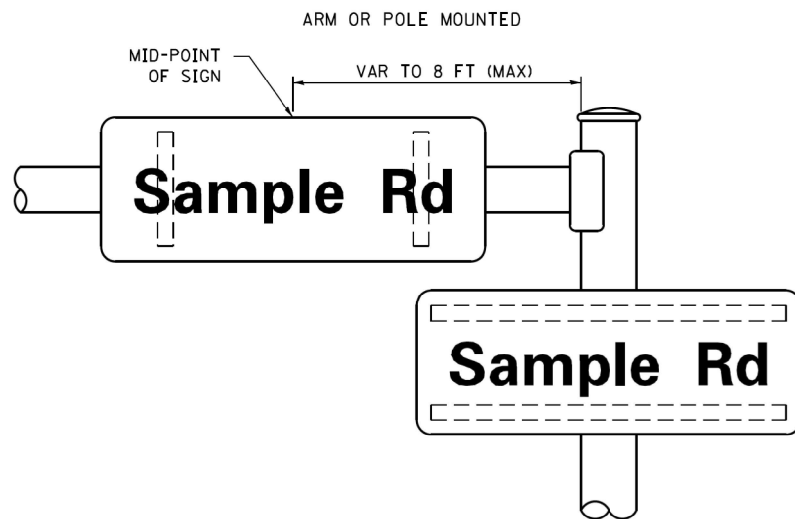
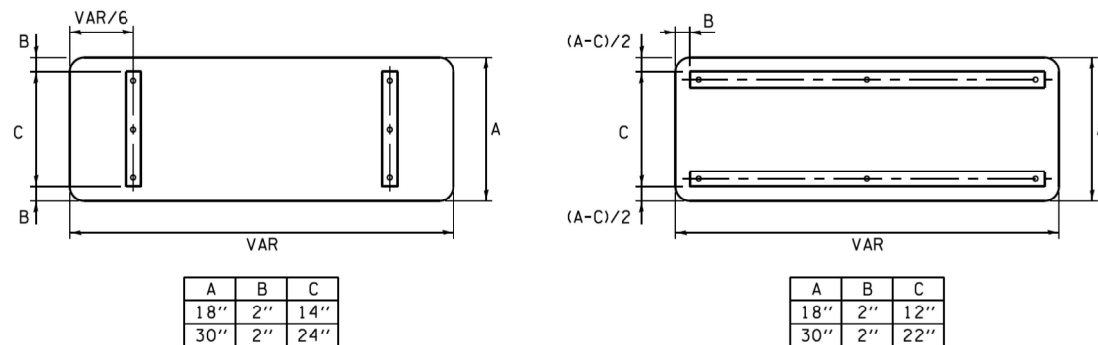
- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE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

LOCAL SUPPLIERS:- J.O. HERBERT COMPANY, INC.
MIDLOTHIAN, VA- WESTERN REMAC, INC.
WOODRIDGE, IL**PARTS LISTING:**SIGN CHANNEL
SIGN SCREWS

BRACKETS

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

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

MOUNTING LOCATION**SUPPORTING CHANNELS**

A	B	C
18"	2"	14"
30"	2"	24"

A	B	C
18"	2"	12"
30"	2"	22"

STANDARD ALPHABETS SPACING CHART

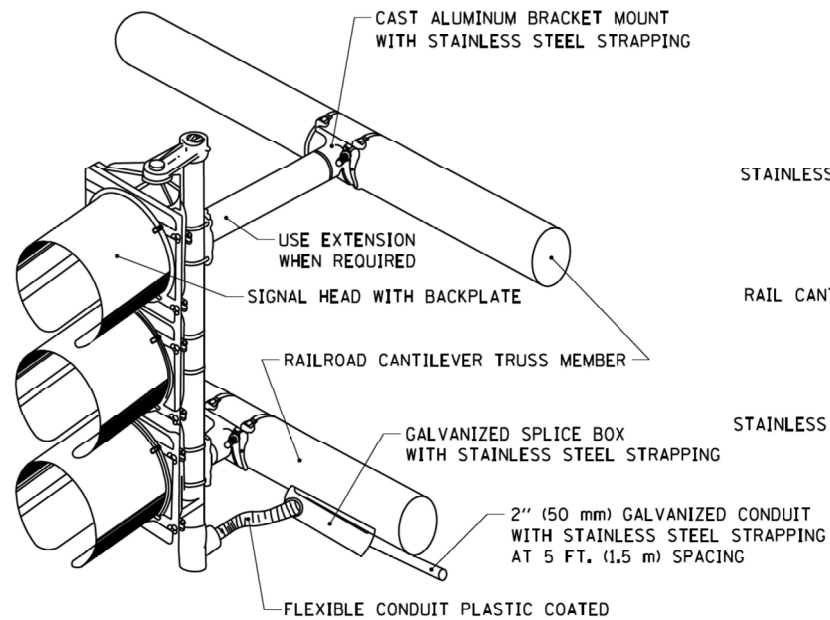
(8") UPPER CASE AND (6") LOWER CASE

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

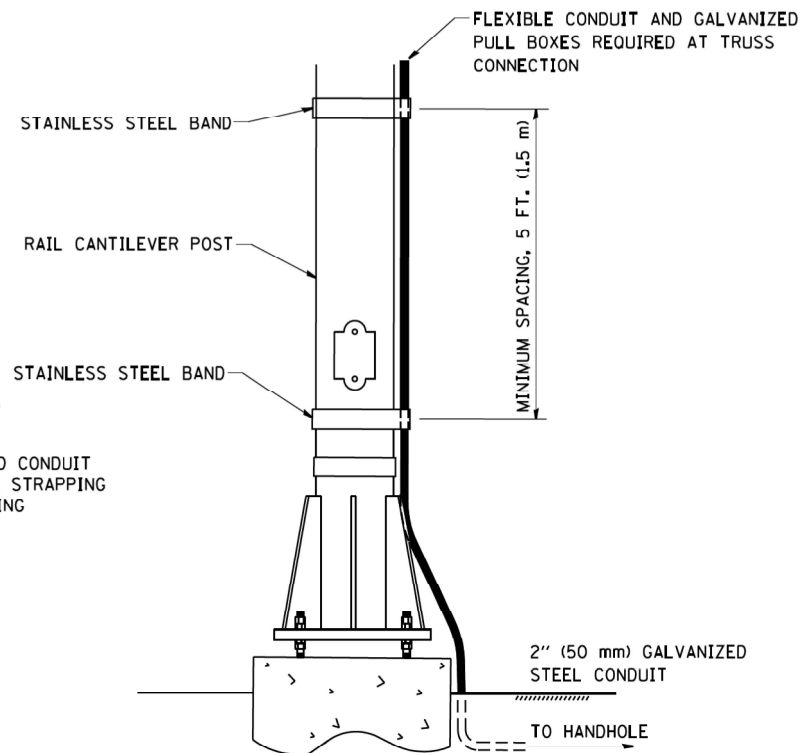
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATIONDISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS

SCALE: NONE SHEET OF SHEETS STA. TO STA.

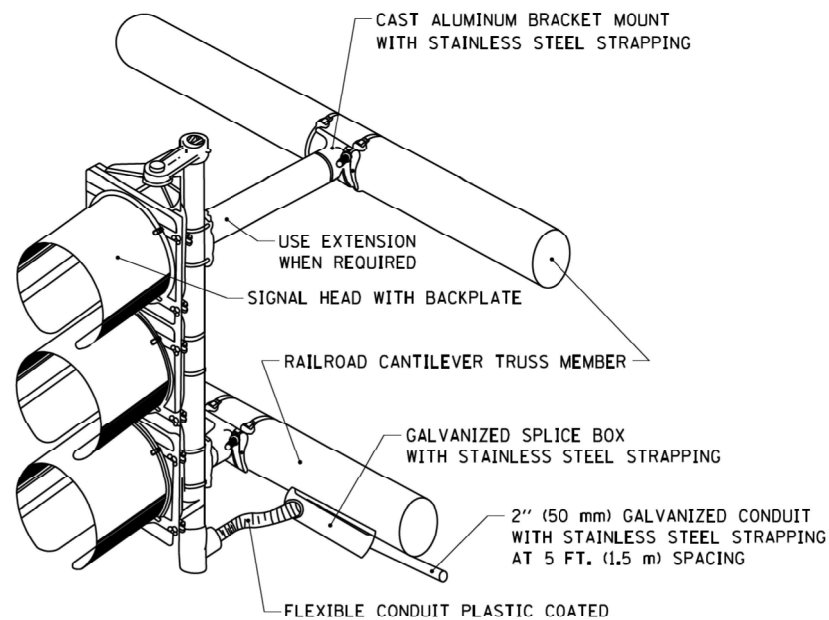
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	78
TS-02		CONTRACT NO. 62H87		
ILLINOIS		FED. AID PROJECT		



RAILROAD CANTILEVER SIGNAL HEAD MOUNTING

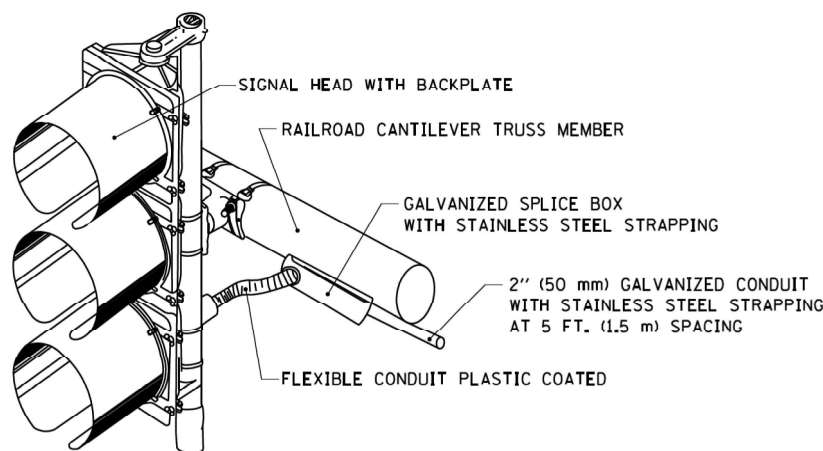


**SIGNAL CONDUIT CONNECTION TO
RAIL CANTILEVER DETAIL**



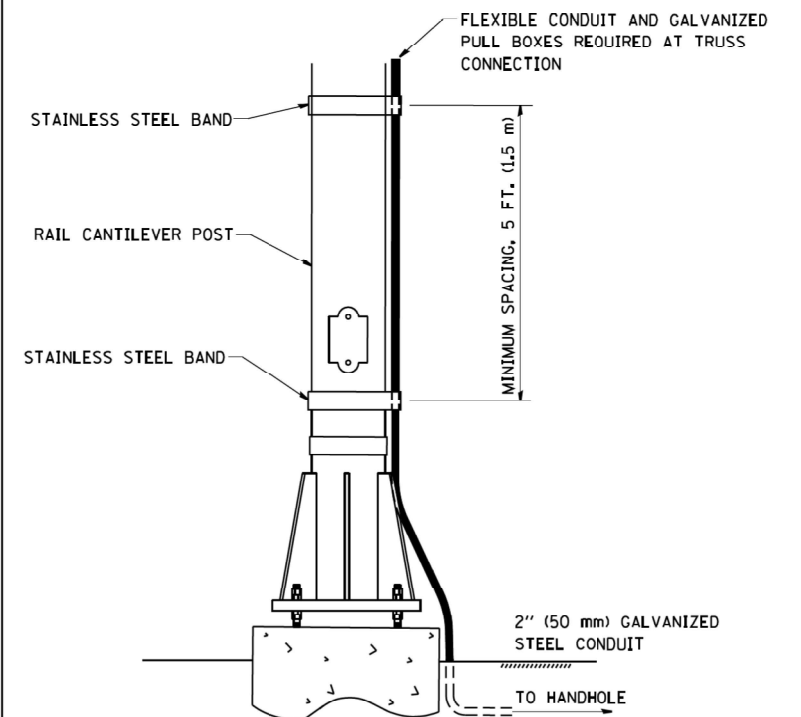
NOTE: USE NONCONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORRSION.

RAILROAD CANTILEVER SIGNAL HEAD MOUNTING



NOTE: USE NONCONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORRSION.

RAILROAD CANTILEVER SIGNAL HEAD MOUNTING



NOTE: USE NONCONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORRSION.

**SIGNAL CONDUIT CONNECTION TO
RAIL CANTILEVER DETAIL**

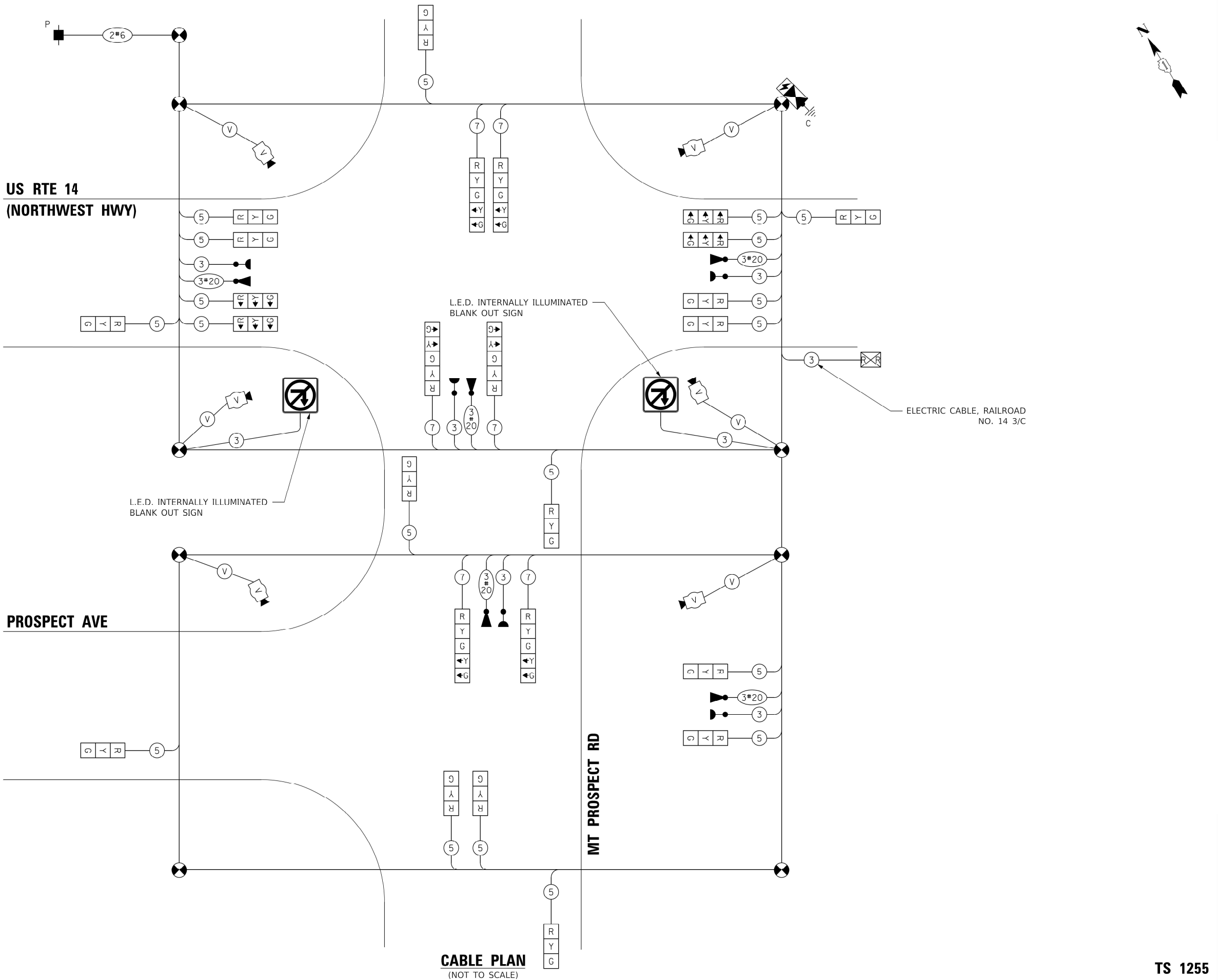
TS SHT NO. 9

FILE NAME = W:\diststa\22x34\ts06.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RAILROAD CANTILEVER SIGNAL HEAD MOUNTING DETAIL				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						3512	2019-006-N	COOK	146	79
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -		TS-06					CONTRACT NO.	62H87		
	PLOT DATE = 1/4/2008	DATE -	REVISED -		SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	25	11	50	137.5
(YELLOW)	25	20	5	25.0
(GREEN)	25	12	45	135.0
PERMISSIVE ARROW	12	10	10	12.0
PED. SIGNAL	-	-	-	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	2	25	5	2.5
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	587.0
ENERGY COSTS TO:				
ILLINOIS DEPT OF TRANSPORTATION 201 W CENTER COURT SCHAUMBURG, IL 60196				
ENERGY SUPPLY: CONTACT: DAVE SCHACHT				
PHONE: 630-437-2129				
COMPANY: COMED				
ACCOUNT NUMBER: -				
USER NAME = JMG				
DESIGNED - JMG				
DRAWN - JMG				
PLOT SCALE = 40.0000' / in.				
PLOT DATE = 8/4/2021				
CHECKED - JJE				
DATE - 08/05/2021				
REVISED -				
REVISED -				
REVISED -				
REVISED -				



Two Pierce Plaza, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900
Fax: 630.773.3975
www.civiltechinc.com



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN
US RTE 14 AND MOUNT PROSPECT RD AND PROSPECT AVE

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	81
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				

TS 1255

TEMPORARY SEQUENCE OF OPERATION

[illegible]

PHASES 2+6 SHALL BE PLACED ON RECALL

TS SHT NO. 12

MODEL: \$MODELNAME\$
FILE NAME ...TS12 Temporary Sequence of Operation.dgn

 Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900
Fax: 630.773.3975
www.civiltechinc.com

USER NAME	= AS2
-----------	-------

DESIGNED -	AS
------------	----

DRAWN - AS

PLOT SCALE = 40.0000' / in.

CHECKED	-	JJE
---------	---	-----

PLOT DATE	= 8/5/2021
-----------	------------

DATE	-	08/05/2021
------	---	------------

REVISÉ -

REVISÉ -

REVISÉ -

REVISÉ -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY SEQUENCE OF OPERATION
US RTE 14 AND MOUNT PROSPECT RD AND PROSPECT AVE

SCALE: NONE

SHEET	1
-------	---

1 SHE

STA

TO STA.

F.A.U.

RTE.
2512

SECTION

2019-006-N

COUNTY

COOK

CONTRACT NO.	62H87
--------------	-------

PROJECT

[illegible]

TS 1255

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1		1		1		1				5		5	5				7	7		7				9		9		9		9				14		14		14				
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	1X	1Y	1Z	1AA	1BB	1CC	1DD	1EE	1FF	1GG	1HH	1JJ	1KK	1LL	1MM	1NN	1PP	1QQ	1RR	1SS	1TT	
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1B	2	1D	3	1F	4	1H	1J	1K	5	1M	2 OR 4	3	1Q	1R	1S	5	2	1V	3 OR 4	1X	1Y	1Z	5	1BB	2	1DD	3	1FF	4	1HH	1JJ	1KK	5	1MM	2 OR 3	1PP	4	1RR	1SS	1TT	5	
US 14 (NORTHWEST HWY) LEFT AND LEFT-MIDDLE SPAN WIRE MOUNTED SIGNALS AT MT PROSPECT RD	F/R	G	G	Y	R	Y	R	Y	R	R	R	R	R	R	R	R	R	G	Y	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
US 14 (NORTHWEST HWY) RIGHT, RIGHT-MIDDLE AND NEAR SIDE SPAN WIRE MOUNTED SIGNALS AT MT PROSPECT RD	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	Y	R	R	R	G	G	Y	R	Y	R	Y	R	R	R	R	R	R	R	R	R	R	R	
US 14 (NORTHWEST HWY) LEFT AND LEFT-MIDDLE SPAN WIRE MOUNTED SIGNALS AT MT PROSPECT RD	W/B	Y	R	G	G	Y	R	Y	R	R	R	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
US 14 (NORTHWEST HWY) RIGHT, RIGHT-MIDDLE AND NEAR SIDE SPAN WIRE MOUNTED SIGNALS AT MT PROSPECT RD	W/B	R	R	R	R	R	R	R	R	R	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	Y	R	G	G	Y	R	Y	R	R	R	R	R	R	R	R	R	R	R	
MT PROSPECT RD FAR SIDE SPAN WIRE MOUNTED SIGNALS AT US 14 (NORTHWEST HWY)	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	G ←Y	G	G	Y	R	R	R	
MT PROSPECT RD NEAR SIDE SPAN WIRE MOUNTED SIGNAL AT US 14 (NORTHWEST HWY)	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	G	G	Y	R	R	R	R		
MT PROSPECT RD ALL SIGNALS AT PROSPECT AVE	S/B	G	G	G	G	G	G	G	Y	R	G	G	G	G	G	Y	R	G	G	G	G	G	Y	R	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	Y	R	
MT PROSPECT RD FAR SIDE SPAN WIRE MOUNTED SIGNALS AT US 14 (NORTHWEST HWY)	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
MT PROSPECT RD NEAR SIDE SPAN WIRE MOUNTED SIGNAL AT US 14 (NORTHWEST HWY)	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
MT PROSPECT RD FAR SIDE SPAN WIRE MOUNTED SIGNALS AT PROSPECT AVE	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
MT PROSPECT RD NEAR SIDE SPAN WIRE MOUNTED SIGNAL AT PROSPECT AVE	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PROSPECT AVE ALL SIGNALS AT MT PROSPECT RD	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R

<> EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION
OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY VEHICLE INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2, 3, 4 OR 5 IS TERMINATED.

TS SHT NO. 13
MODEL: S:\MODEL\MARIES
FILE NAME: ...1313 Temporary EVV Sequence - 1 OF 1.dgn

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

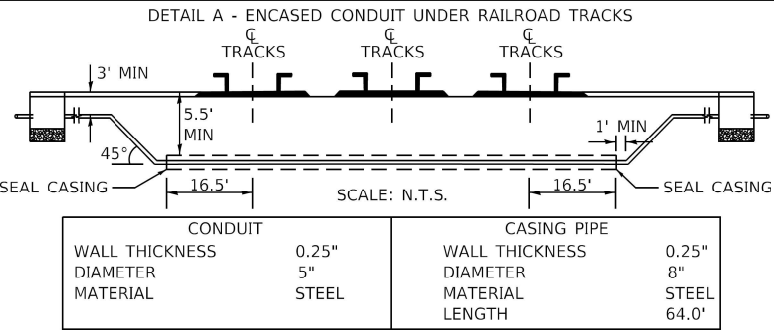
																												PREEMPTER NUMBER 3	PREEMPTER NUMBER 4	PREEMPTER NUMBER 5	PREEMPTER NUMBER 6	
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	18				18	18				21				21		21		24				24				24						
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1UU	1VV	1WW	1XX	1YY	1ZZ	1AAA	1BBB	1CCC	1DDD	1EEE	1FFF	1GGG	1HHH	1JJJ	1KKK	1LLL	1MMM	1NNN	1PPP	1QQQ	1RRR	1SSS	1TTT	1UUU	1VVV	2	3	4	5	CLEAR TO NORMAL SEQUENCE	
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1VV	1WW	1XX	2 OR 3	4	1AAA	1BBB	1CCC	5	1EEE	1FFF	1GGG	2 OR 3	1JJJ	4	1LLL	5	1NNN	1PPP	1QQQ	2 OR 3	1SSS	1TTT	1UUU	4	5					<>	
US 14 (NORTHWEST HWY) LEFT AND LEFT-MIDDLE SPAN WIRE MOUNTED SIGNALS AT MT PROSPECT RD	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	R	R	<>	
US 14 (NORTHWEST HWY) RIGHT, RIGHT-MIDDLE AND NEAR SIDE SPAN WIRE MOUNTED SIGNALS AT MT PROSPECT RD	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	R	R	<>	
US 14 (NORTHWEST HWY) LEFT AND LEFT-MIDDLE SPAN WIRE MOUNTED SIGNALS AT MT PROSPECT RD	W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	R	<>	
US 14 (NORTHWEST HWY) RIGHT, RIGHT-MIDDLE AND NEAR SIDE SPAN WIRE MOUNTED SIGNALS AT MT PROSPECT RD	W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	R	<>	
MT PROSPECT RD FAR SIDE SPAN WIRE MOUNTED SIGNALS AT US 14 (NORTHWEST HWY)	S/B	Y	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	<>
MT PROSPECT RD NEAR SIDE SPAN WIRE MOUNTED SIGNAL AT US 14 (NORTHWEST HWY)	S/B	Y	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	<>
MT PROSPECT RD ALL SIGNALS AT PROSPECT AVE	S/B	G	G	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	R	<>
MT PROSPECT RD FAR SIDE SPAN WIRE MOUNTED SIGNALS AT US 14 (NORTHWEST HWY)	N/B	G	G	Y	R	G	G	G	G	G	G	Y	R	G	G	G	G	G	Y	R	G	G	G	G	G	G	R	R	G	G	<>	
MT PROSPECT RD NEAR SIDE SPAN WIRE MOUNTED SIGNAL AT US 14 (NORTHWEST HWY)	N/B	G	G	Y	R	G	G	G	G	G	G	Y	R	G	G	G	G	G	Y	R	G	G	G	G	G	G	R	R	G	G	<>	
MT PROSPECT RD FAR SIDE SPAN WIRE MOUNTED SIGNALS AT PROSPECT AVE	N/B	Y	R	R	R	G	Y	R	R	R	Y	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	<>
MT PROSPECT RD NEAR SIDE SPAN WIRE MOUNTED SIGNAL AT PROSPECT AVE	N/B	Y	R	R	R	G	Y	R	R	R	Y	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	<>
PROSPECT AVE ALL SIGNALS AT MT PROSPECT RD	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	Y	R	R	R	G	R	R	R	G	<>	

<> EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION
OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY VEHICLE INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2, 3, 4 OR 5 IS TERMINATED.

TEMPORARY RAILROAD PREEMPTION SEQUENCE OF OPERATION

																	PREEMPTER NUMBER 3		PREEMPTER NUMBER 4		PREEMPTER NUMBER 5		PREEMPTER NUMBER 6		PREEMPTER NUMBER 2							
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1		5		7		9		14		18		21		24		<div></div>		<div></div>		<div></div>		<div></div>		<div></div>							
CHANGE FROM EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	<div></div>		<div></div>		<div></div>		<div></div>		<div></div>		<div></div>		<div></div>		<div></div>		2		3		4		5		<div></div>							
RAILROAD PREEMPTION INTERVAL	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	1X	1Y	1Z	2	3	4	5	CLEAR TO NORMAL SEQUENCE			
CHANGE TO RAILROAD PREEMPTION SEQUENCE INTERVAL NUMBER	1B	2	1D	2	1F	2	1H	2	1K	2	1M	2	1P	2	1R	2	1T	2	1V	2	1X	2	1Z	2	3	4	5	Λ				
US 14 (NORTHWEST HWY) LEFT AND LEFT-MIDDLE SPAN WIRE MOUNTED SIGNALS AT MT PROSPECT RD	E/B	Y	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	△	
US 14 (NORTHWEST HWY) RIGHT, RIGHT-MIDDLE AND NEAR SIDE SPAN WIRE MOUNTED SIGNALS AT MT PROSPECT RD	E/B	R	R	R	R	Y	R	Y	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	G	△	
US 14 (NORTHWEST HWY) LEFT AND LEFT-MIDDLE SPAN WIRE MOUNTED SIGNALS AT MT PROSPECT RD	W/B	Y	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	R	△	
US 14 (NORTHWEST HWY) RIGHT, RIGHT-MIDDLE AND NEAR SIDE SPAN WIRE MOUNTED SIGNALS AT MT PROSPECT RD	W/B	R	R	Y	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	G	△		
MT PROSPECT RD FAR SIDE SPAN WIRE MOUNTED SIGNALS AT US 14 (NORTHWEST HWY)	S/B	R	R	R	R	R	R	R	Y	R	Y	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	△	
MT PROSPECT RD NEAR SIDE SPAN WIRE MOUNTED SIGNAL AT US 14 (NORTHWEST HWY)	S/B	R	R	R	R	R	R	R	Y	R	Y	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	△	
MT PROSPECT RD ALL SIGNALS AT PROSPECT AVE	S/B	G	G	G	G	G	G	G	G	G	G	G	R	R	R	R	G	G	G	G	G	G	R	R	G	Y	R	R	R	△		
MT PROSPECT RD FAR SIDE SPAN WIRE MOUNTED SIGNALS AT US 14 (NORTHWEST HWY)	N/B	R	R	R	R	R	R	R	R	R	G	G	G	G	G	G	R	R	R	R	G	G	G	G	G	Y	R	R	R	△		
MT PROSPECT RD NEAR SIDE SPAN WIRE MOUNTED SIGNAL AT US 14 (NORTHWEST HWY)	N/B	R	R	R	R	R	R	R	R	R	G	G	G	G	G	G	R	R	R	R	G	G	G	G	G	Y	R	R	R	△		
MT PROSPECT RD FAR SIDE SPAN WIRE MOUNTED SIGNALS AT PROSPECT AVE	N/B	R	R	R	R	R	R	R	R	R	Y	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	△	
MT PROSPECT RD NEAR SIDE SPAN WIRE MOUNTED SIGNAL AT PROSPECT AVE	N/B	R	R	R	R	R	R	R	R	R	Y	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	△	
PROSPECT AVE ALL SIGNALS AT MT PROSPECT RD	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	△	
INTERNALLY ILLUMINATED NRT SIGNS AT US 14	E/B	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	HOLD

△RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME
THE NORMAL SEQUENCE OF OPERATION AFTER RAILROAD PREEMPTION INTERVAL 5 IS TERMIAENTED.



US RTE 14
(NORTHWEST HWY)

US RTE 14
(NORTHWEST HWY)

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.
2. THIS CONDUIT TO BE CONSTRUCTED IS TO BE USED AS PART OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION AS WELL AS THE PERMANENT TRAFFIC SIGNAL INSTALLATION.
3. THIS DOUBLE HANDHOLE TO BE CONSTRUCTED IS TO BE USED AS PART OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION AS WELL AS THE PERMANENT TRAFFIC SIGNAL INSTALLATION. DRILLING THIS DOUBLE HANDHOLE TO INSTALL PROPOSED CONDUIT RUNS AS PART OF THE PERMANENT TRAFFIC SIGNAL INSTALLATION SHALL BE INCLUDED IN THE COST OF THE PROPOSED CONDUITS.
4. EVP EQUIPMENT SHALL BE OPTICOM 700 SERIES DETECTORS AND OPTICOM 764 PHASE SELECTOR PER VILLAGE REQUIREMENTS.

TransSmart
411 South Wells Street Suite 1000
Chicago, Illinois 60607

USER NAME = jturk
PLOT SCALE = 40.0000' / in.
PLOT DATE = 8/6/2021

DESIGNED - A. FREEMAN
DRAWN - A. FREEMAN
CHECKED - R. JACOX
DATE - 8/5/2021

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

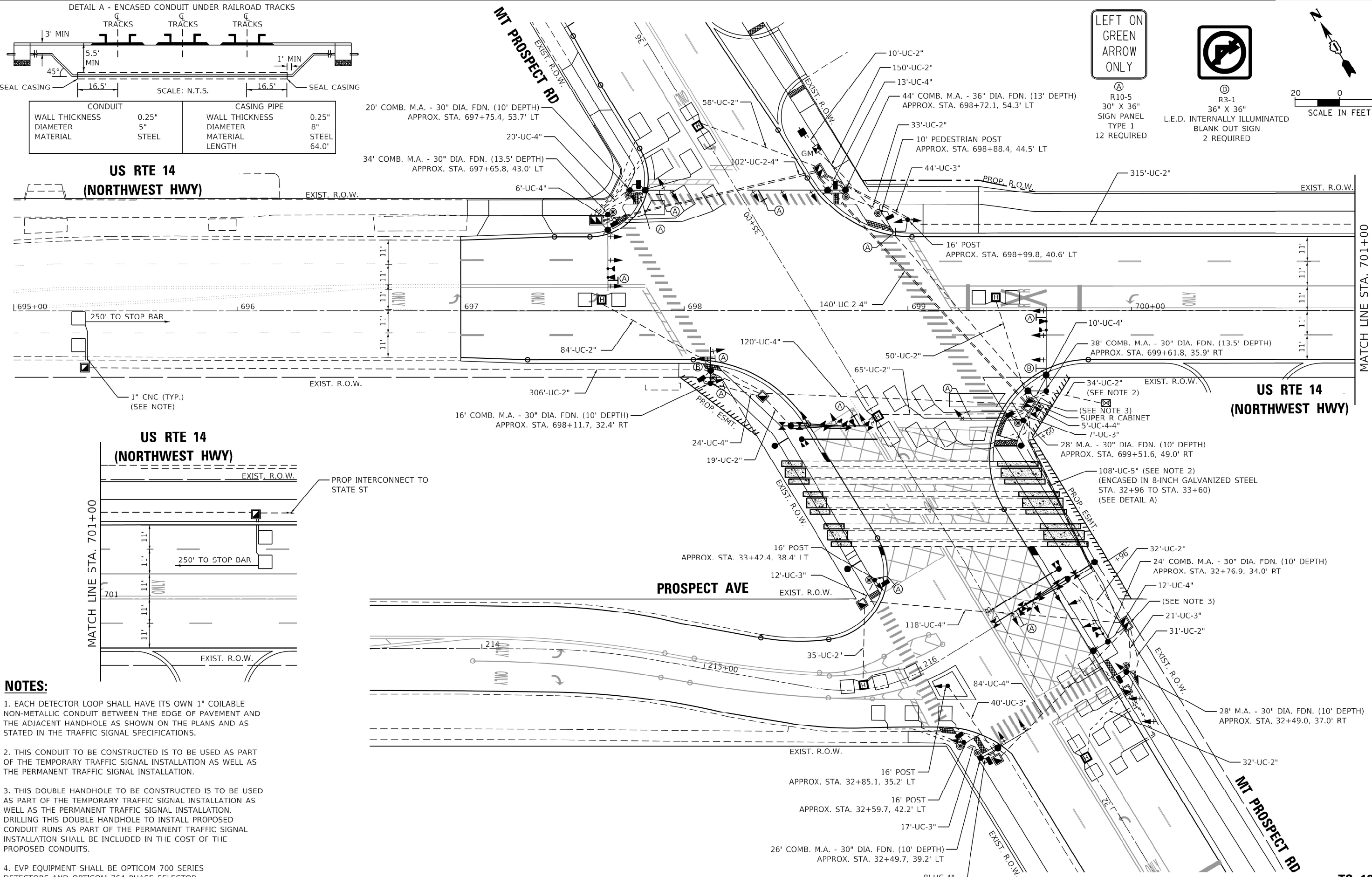
TRAFFIC SIGNAL MODERNIZATION PLAN
US RTE 14 AND MT PROSPECT RD AND PROSPECT AVE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	86

CONTRACT NO. 62H87
ILLINOIS FED. AID PROJECT

TS 1255



USER NAME	= jturk
DESIGNED	- A. FREEMAN
DRAWN	- A. FREEMAN
PLOT SCALE	= 40.0000' / in.
PLOT DATE	= 8/6/2021

REVIS	-
REVIS	-
CHECKED	- R. JACOX
DATE	- 8/5/2021
REVIS	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

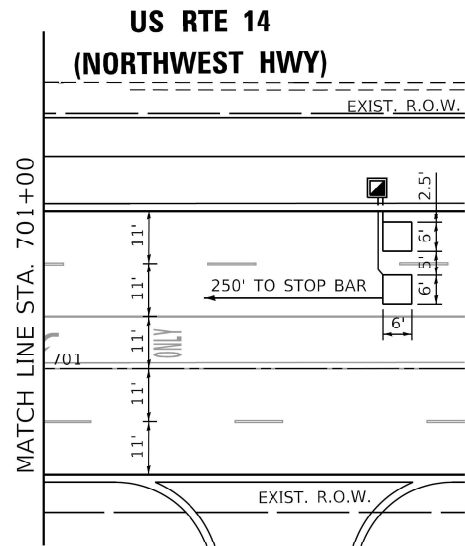
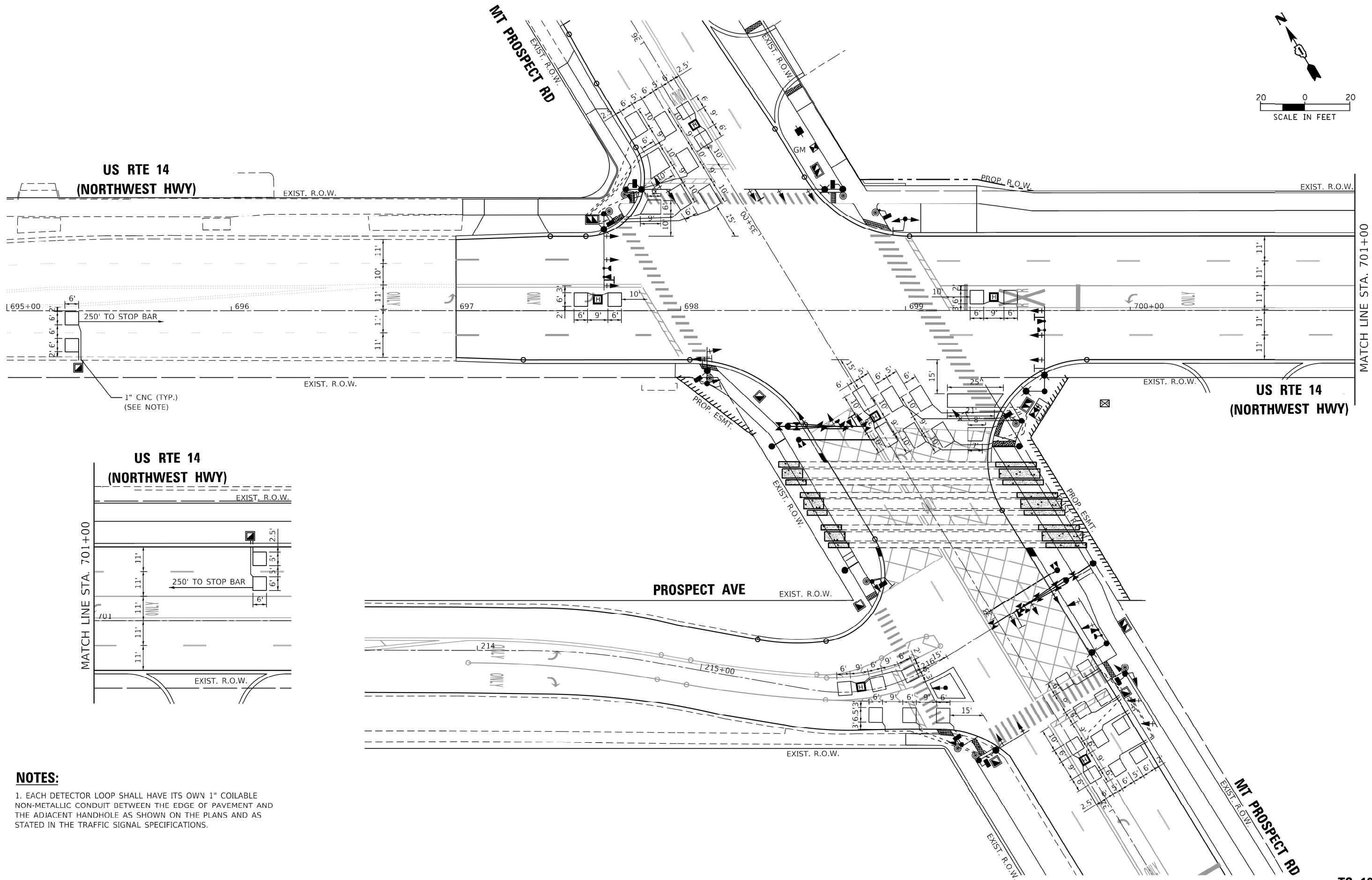
DETECTOR LOOP LAYOUT PLAN
US RTE 14 AND MT PROSPECT RD AND PROSPECT AVE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	87
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				

NOTES:

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



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	35	11	50	192.5
(YELLOW)	35	20	5	35.0
(GREEN)	35	12	45	189.0
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	10	20	100	200.0
CONTROLLER	2	100	100	200.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	-	-	-
BLANK-OUT SIGN	2	25	5	2.5
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	8	185	50	740.0
			TOTAL =	1592.0
ENERGY COSTS TO: ILLINOIS DEPT OF TRANSPORTATION 201 W CENTER COURT SCHAUMBURG, IL 60196 ENERGY SUPPLY: CONTACT: DAVE SCHACHT PHONE: 630-437-2129 COMPANY: COMED ACCOUNT NUMBER: -				



USER NAME = JMG
PLOT SCALE = 40.0000' / in.
PLOT DATE = 8/4/2021

DESIGNED - JMG	REVISED -
DRAWN - JMG	REVISED -
CHECKED - JJE	REVISED -
DATE - 08/05/2021	REVISED -

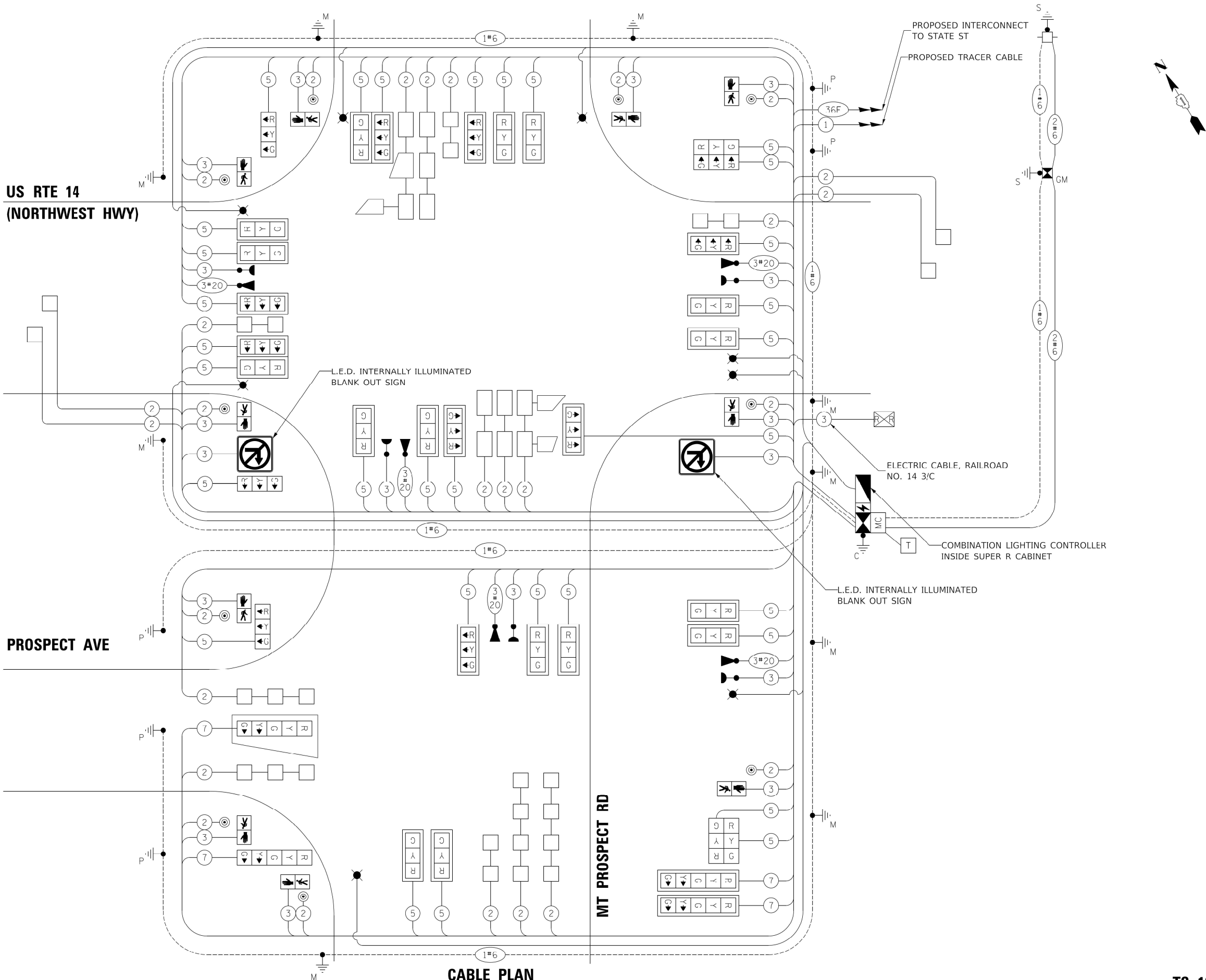
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN
(NOT TO SCALE)

CABLE PLAN
US RTE 14 AND MOUNT PROSPECT RD AND PROSPECT AVE

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	88
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				



[illegible]

P=ILLUMINATED PERSON=WALK
FH=ILLUMINATED FLASHING HAND=FLASHING DON'T WALK
H=ILLUMINATED SOLID HAND=DON'T WALK

TS SHT NO. 19

MODEL: \$MODELNAMES
FILE NAME: \TC19 Seg

REVISÉ -

TO STA

ILLINOIS	FED. AID PROJECT
----------	------------------

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

[illegible]

<> EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION

OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY VEHICLE INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2, 3, 4, 5 OR 6 IS TERMINATED.

[illegible]

<> EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY VEHICLE INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2, 3, 4, 5 OR 6 IS TERMINATED.

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

											PREEMTER NUMBER 3	PREEMTER NUMBER 4	PREEMTER NUMBER 5	PREEMTER NUMBER 6	PREEMTER NUMBER 7	
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER		37				37				37						
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1YYYY	1ZZZZ	1AAAAA	1BBBBB	1CCCCC	1DDDDD	1EEEE	1FFFF	1GGGGG		2	3	4	5	6	CLEAR TO NORMAL SEQUENCE
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1ZZZZ	1AAAAA	1BBBBB	1CCCCC	2,3 OR 4	1EEEE	1FFFF	5	6							<>
US 14 (NORTHWEST HWY) END MAST ARM AND FAR LEFT SIGNALS AT MT PROSPECT RD	E/B	R	R	R	R	R	R	R	R	R	G	R	R	R	R	<>
US 14 (NORTHWEST HWY) MIDDLE AND RIGHT MAST ARM AND NEAR RIGHT SIGNALS AT MT PROSPECT RD	E/B	R	R	R	R	R	R	R	R	R	G	R	R	R	R	<>
US 14 (NORTHWEST HWY) END MAST ARM AND FAR LEFT BRACKET MOUNTED AND MAST ARM SIGNALS AT MT PROSPECT RD	W/B	R	R	R	R	R	R	R	R	R	R	R	G	R	R	<>
US 14 (NORTHWEST HWY) MIDDLE AND RIGHT MAST ARM AND NEAR RIGHT SIGNALS AT MT PROSPECT RD	W/B	R	R	R	R	R	R	R	R	R	R	R	G	R	R	<>
MT PROSPECT RD END CANTILEVER AND FAR LEFT SIGNALS AT US 14 (NORTHWEST HWY)	S/B	R	R	R	R	R	R	R	R	R	R	G	R	R	R	<>
MT PROSPECT RD MIDDLE AND RIGHT CANTILEVER AND NEAR RIGHT SIGNALS AT US 14 (NORTHWEST HWY)	S/B	R	R	R	R	R	R	R	R	R	R	G	R	R	R	<>
MT PROSPECT RD ALL SIGNALS AT PROSPECT AVE	S/B	R	R	R	R	R	R	R	R	R	G	G	G	R	R	<>
MT PROSPECT RD END MAST ARM AND FAR LEFT BRACKET AND MAST ARM SIGNALS AT US 14 (NORTHWEST HWY)	N/B	G	G	G	Y	R	G	G	G	G	R	R	R	G	G	<>
MT PROSPECT RD MIDDLE AND RIGHT MAST ARM AND NEAR RIGHT SIGNALS AT US 14 (NORTHWEST HWY)	N/B	G	G	G	Y	R	G	G	G	G	R	R	R	G	G	<>
MT PROSPECT RD END CANTILEVER AND FAR LEFT SIGNALS AT PROSPECT AVE	N/B	R	R	R	R	R	R	R	R	R	R	R	R	G	R	<>
MT PROSPECT RD MIDDLE AND RIGHT CANTILEVER AND NEAR RIGHT SIGNALS AT PROSPECT AVE	N/B	R	R	R	R	R	R	R	R	R	R	R	R	G	R	<>
PROSPECT AVE NORTH MAST ARM SIGNALS	E/B	G	Y	R	R	R	G	Y	R	G	R	R	R	R	G	<>
PROSPECT AVE SOUTH MAST ARM AND NEAR SIDE SIGNALS	E/B	G	Y	R	R	R	G	Y	R	G	R	R	R	R	G	<>
PEDESTRIAN SIGNALS CROSSING US 14 (NORTHWEST HWY) ON EAST SIDE OF MT PROSPECT RD		H	H	H	H	H	H	H	H	H	H	H	H	H	H	<>
PEDESTRIAN SIGNALS CROSSING US 14 (NORTHWEST HWY) ON WEST SIDE OF MT PROSPECT RD		H	H	H	H	H	H	H	H	H	H	H	H	H	H	<>
PEDESTRIAN SIGNALS CROSSING MT PROSPECT RD ON NORTH SIDE OF US 14 (NORTHWEST HWY)		H	H	H	H	H	H	H	H	H	H	H	H	H	H	<>
PEDESTRIAN SIGNALS CROSSING MT PROSPECT RD ON SOUTH SIDE OF PROSPECT AVE		FH	H	H	H	H	FH	H	H	FH	H	H	H	H	H	<>
PEDESTRIAN SIGNALS CROSSING PROSPECT AVE ON WEST SIDE OF MT PROSPECT RD		H	H	H	H	H	H	H	H	H	H	H	H	H	H	<>

<> EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION
OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY VEHICLE INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2, 3, 4, 5 OR 6 IS TERMINATED.

TS SHT NO. 22

MODEL: S:\MODEL\EMV\TS 1255 E.V.P. Sequence - 3 of 3.dgn
FILE NAME: ...1255 E.V.P. Sequence - 3 of 3.dgn

PROPOSED RAILROAD PREEMPTION SEQUENCE OF OPERATION

[illegible]

△RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION AFTER RAILROAD PREEMPTION INTERVAL 5 IS TERMINATED.

Ø RAILROAD PREEMPTION SEQUENCE SHALL BE CAPABLE OF CYCLING BETWEEN THE EASTBOUND AND WESTBOUND THROUGH PHASE, AND THE SOUTHBOUND LEFT TURN PHASE AT US RTE 14/MT PROSPECT RD UNTIL RAILROAD PREEMPTION IS TERMINATED.

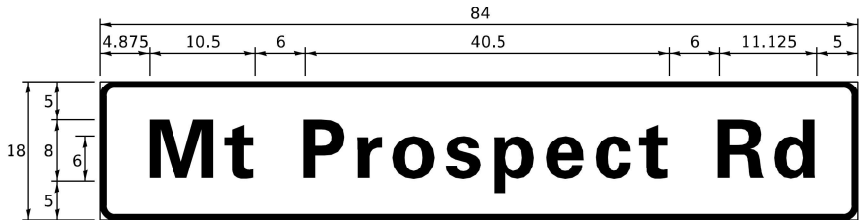
THE INTERSECTION OF MT PROSPECT RD/PROSPECT AVE SHALL HOLD THE NORTHBOUND LEFT TURN PHASE AND THE EASTBOUND RIGHT TURN PHASE UNTIL THE RAILROAD PREEMPTION IS TERMINATED.

TS 1255

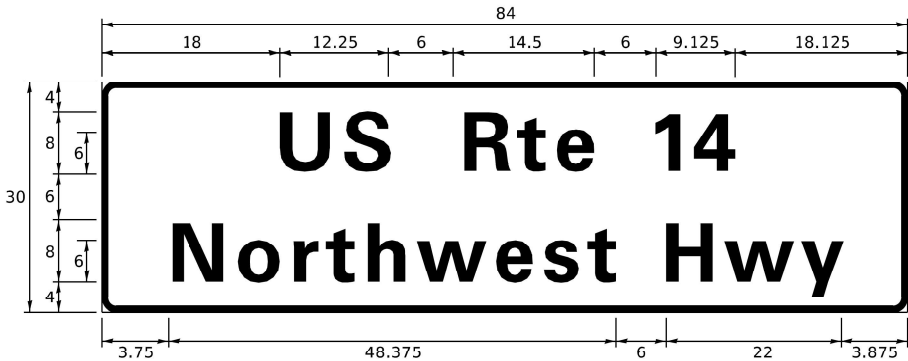
NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION
PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET
NAME SIGNS DETAIL.

SIGN PANEL – TYPE 1 OR TYPE 2

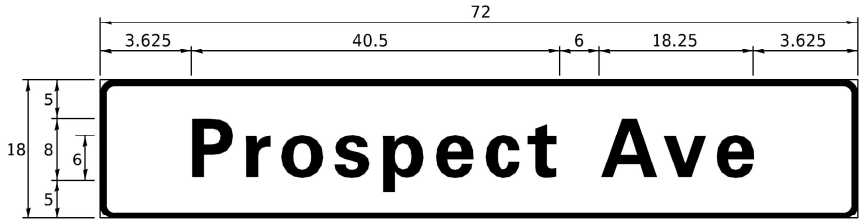
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	10.5	2	ZZ	3



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	17.5	2	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	9	1	ZZ	2

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 1	SQ FT	108
SIGN PANEL - TYPE 2	SQ FT	67
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,254
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	141
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	919
UNDERGROUND CONDUIT, GALVANIZED STEEL, 5" DIA.	FOOT	108
HANDHOLE	EACH	6
HEAVY-DUTY HANDHOLE	EACH	6
DOUBLE HANDHOLE	EACH	4
* PAINT NEW TRAFFIC SIGNAL POST	EACH	5
* PAINT NEW MAST ARM AND POLE, UNDER 40 FOOT	EACH	2
* PAINT NEW COMBINATION MAST ARM AND POLE, UNDER 40 FOOT	EACH	6
* PAINT NEW COMBINATION MAST ARM AND POLE, 40 FOOT AND OVER	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2,260
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3,670
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	7,200
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	985
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	4,321
ELECTRIC CABLE IN CONDUIT, RAILROAD, NO. 14 3C	FOOT	57
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	206
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,780
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 20 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 24 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 26 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	88
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	24
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	7
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	10
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	26
INDUCTIVE LOOP DETECTOR	EACH	17
DETECTOR LOOP, TYPE I	FOOT	1,430
* LIGHT DETECTOR	EACH	5
* LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	10
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
ILLUMINATED SIGN, LED	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	11
REMOVE EXISTING DOUBLE HANDHOLE	EACH	3
REMOVE EXISTING CONCRETE FOUNDATION	EACH	14
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1,095
SERVICE INSTALLATION,GROUND MOUNTED, METERED	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
RAILROAD, FULL ACTUATED CONTROLLER AND TYPE SUPER R CABINET	EACH	1
STEEL CASING PIPE, BORED AND JACKED, 8"	FOOT	64

* 100% COST TO THE VILLAGE OF MT. PROSPECT

TS SHT NO. 24

MODEL Default
FILE NAME S:\projects\1804 - IDOT Traffic Signal Design - EJW\Project Work\CADD\WD 20002 - US 14 MtProspect\CADD Sheets\20-002 sht TS13.dgn

TranSmart
411 South Wells Street Suite 1000
Chicago, Illinois 60607

USER NAME = jturk
PLOT SCALE = 39.9988 " / in.
PLOT DATE = 8/6/2021

DESIGNED - A. FREEMAN
DRAWN - A. FREEMAN
CHECKED - R. JACOX
DATE - 8/5/2021

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
US RTE 14 AND MT PROSPECT RD AND PROSPECT AVE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	94
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				

TS 1255



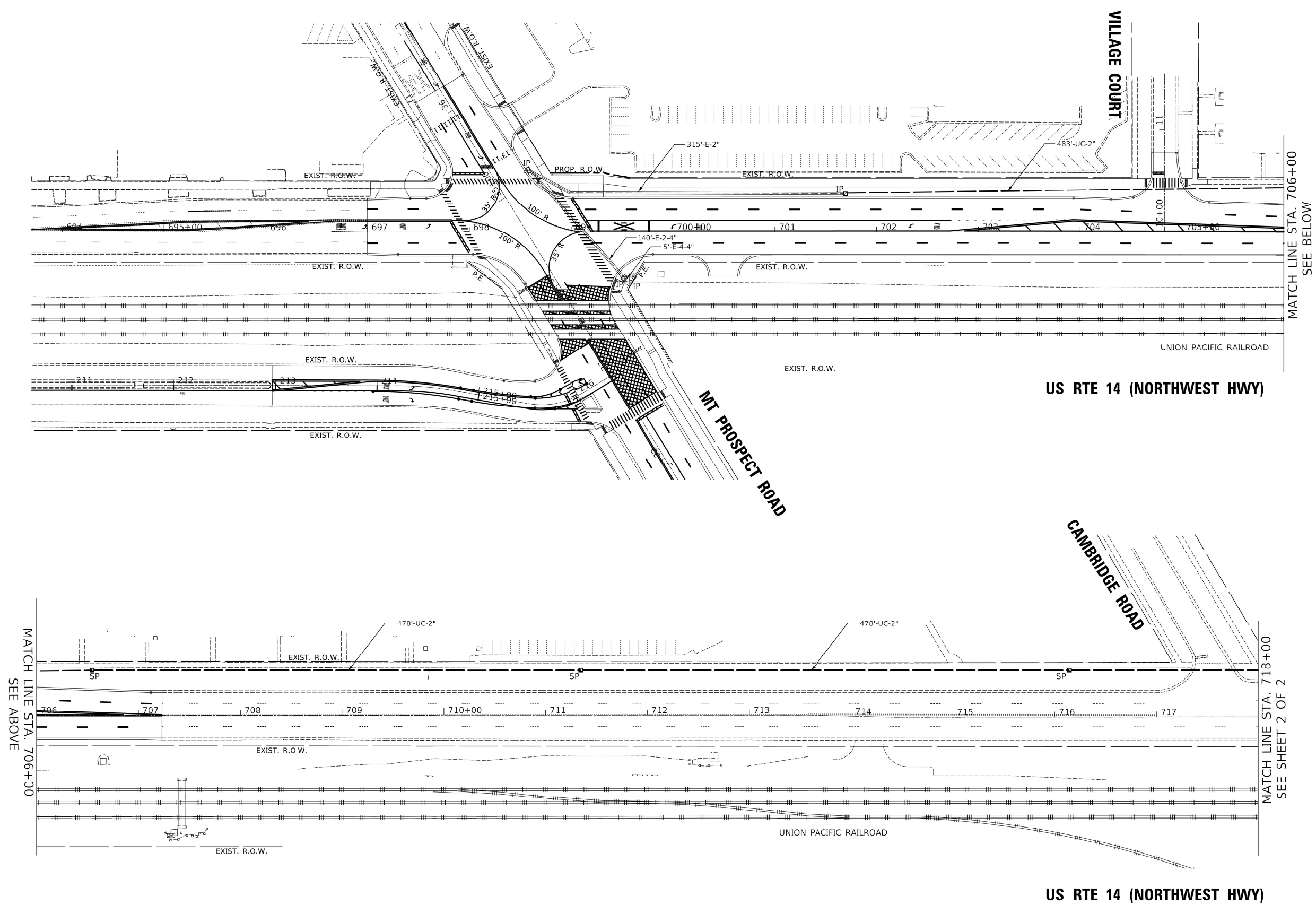
USER NAME = JMG	DESIGNED - JMG	REVISED -
	DRAWN - JMG	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 8/4/2021	DATE - 08/05/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN (SHEET 1 OF 2)
US RTE 14 (NORTHWEST HWY) -
MT PROSPECT RD TO BROADWAY ST

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	95
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				





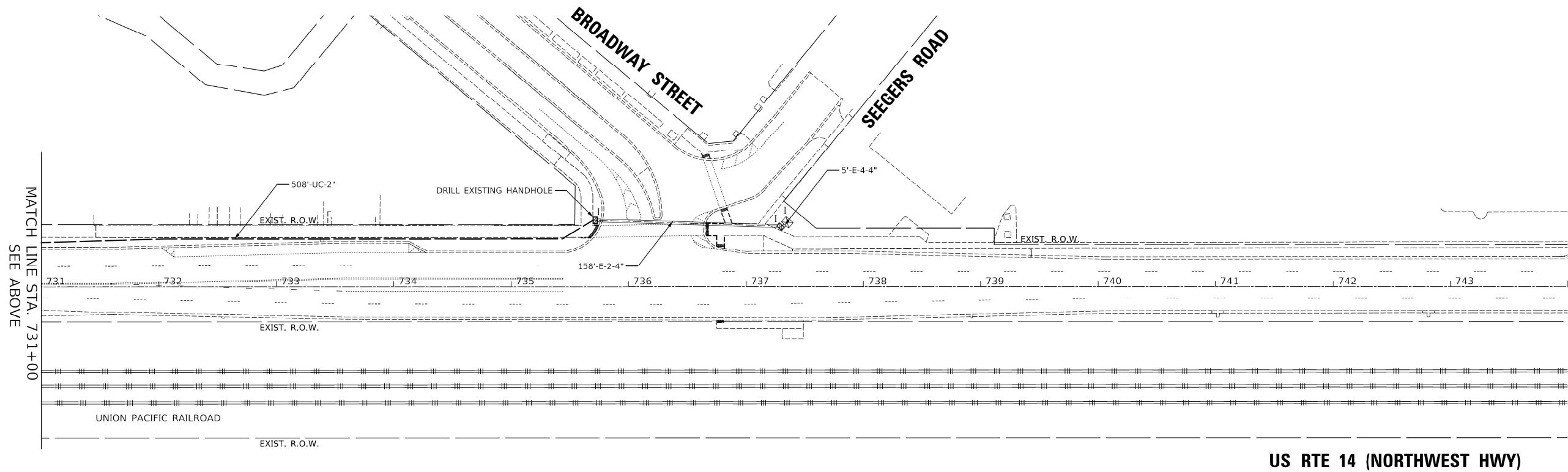
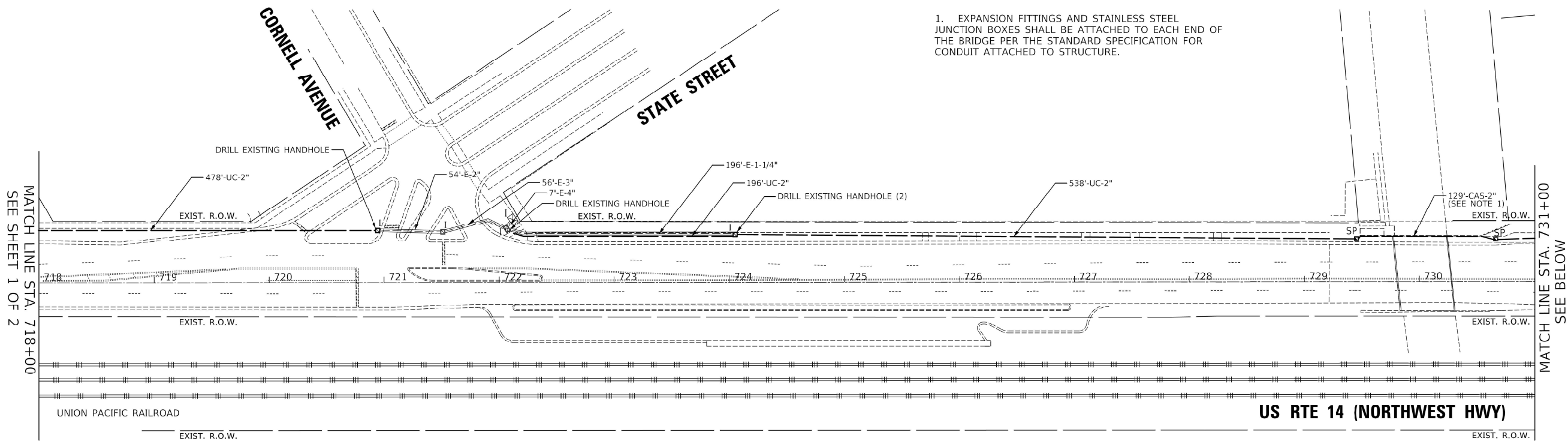
USER NAME = JMG	DESIGNED - JMG	REVISED -
	DRAWN - JMG	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 8/4/2021	DATE - 08/05/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN (SHEET 2 OF 2)
US RTE 14 (NORTHWEST HWY) –
MT PROSPECT RD TO BROADWAY ST

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	96
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				



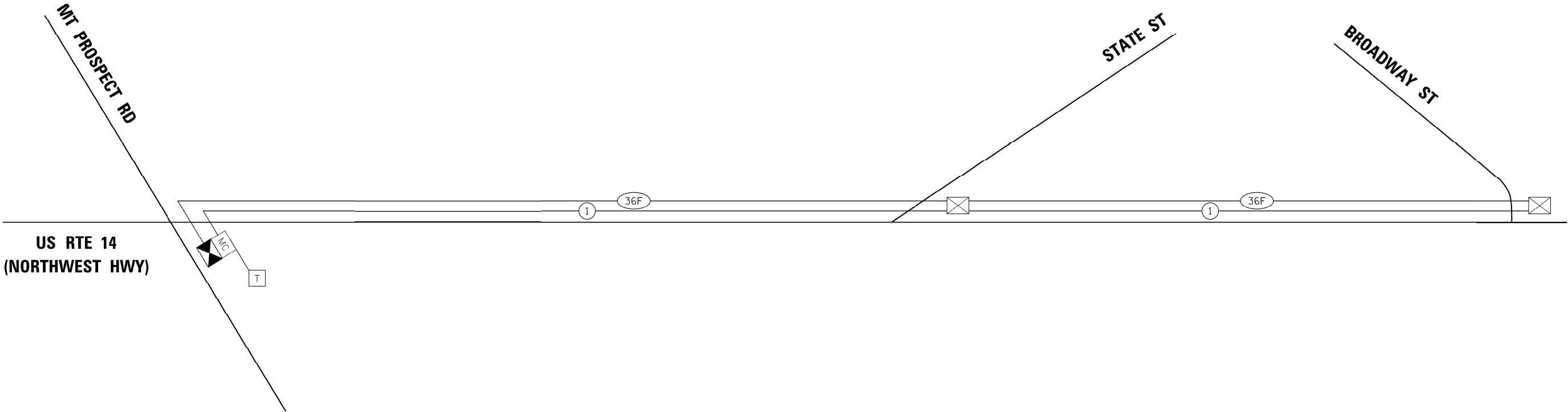
INTERCONNECT SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	3159
CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	129
HANDHOLE	EACH	5
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
MASTER CONTROLLER	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	3
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	4190
DRILL EXISTING HANDHOLE	EACH	5
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	2
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	4236
OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE STATE, AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE STATE'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- 1EACHTRAFFIC SIGNAL CONTROLLER (ECONOLITE ASC3 AT STATE STREET)
- 1EACHTRAFFIC SIGNAL CONTROLLER (ECONOLITE COBALT AT BROADWAY STREET)



TS SHT NO. 27

MODEL: S:\MODELS\MAINS
FILE NAME: ...1327 Interconnect Schematic.dgn



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900
Fax: 630.773.3975
www.civiltechinc.com

USER NAME = JMG	DESIGNED - JMG	REVISED -
	DRAWN - JMG	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 8/4/2021	DATE - 08/05/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT SCHEMATIC
US RTE 14 (NORTHWEST HWY) –
MT PROSPECT RD TO BROADWAY ST

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	97
CONTRACT NO. 62H87				
		ILLINOIS	FED. AID PROJECT	

MODEL Default
FILE Name: S:\Projects\1804 - IDOT Traffic Signal Design - EJMP\Project Work\CADD\WD 20002 - US 14 MTProspect Work\CADD\WD 20002 - US 14 MTProspect\CAUD Sheets\20-002.sh: lgh01.lgn

LIGHTING LEGEND



PROPOSED SINGLE ARM GROUND MOUNTED LIGHTING UNIT, 40 FT. M.H., 12 FT. M.A., LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G, 240V, ON CONCRETE FOUNDATION WITH BREAKAWAY COUPLINGS AND ALUMINUM SKIRT (CITY OF DES PLAINES)



PROPOSED LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G, 120V, 45 FT. M.H., 15 FT. M.A., ON STEEL COMBINATION MAST ARM AND POLE (SEE TRAFFIC SIGNAL PLANS FOR LOCATION)



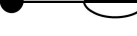
PROPOSED LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G, 120V, 45 FT. M.H., 2-15 FT. M.A., ORIENTED AT 90 DEGREES APART ON STEEL COMBINATION MAST ARM AND POLE (SEE TRAFFIC SIGNAL PLANS FOR LOCATION)



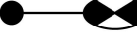
PROPOSED TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G, 120V, 45 FT. M.H., 15 FT. M.A., ON TEMPORARY TRAFFIC SIGNAL INSTALLATION (SEE TRAFFIC SIGNAL PLANS FOR LOCATION)



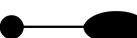
PROPOSED TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G, 120V, 45 FT. M.H., 2-15 FT. M.A., ORIENTED AT 90 DEGREES APART ON TEMPORARY TRAFFIC SIGNAL INSTALLATION (SEE TRAFFIC SIGNAL PLANS FOR LOCATION)



PROPOSED LIGHT POLE, SPECIAL, 30 FT. M.H., 10 FT. M.A., LUMINAIRE, LED, SPECIAL, 240V, ON METAL FOUNDATION WITH BREAKAWAY COUPLINGS AND ALUMINUM SKIRT (SEE SHEET EL-7) (VILLAGE OF MT PROSPECT)



PROPOSED SINGLE ARM GROUND MOUNTED LIGHTING UNIT, 40 FT. M.H., 12 FT. M.A., LUMINAIRE, LED, SPECIAL, 240V, ON CONCRETE FOUNDATION WITH BREAKAWAY COUPLINGS AND ALUMINUM SKIRT (VILLAGE OF MT PROSPECT)



RELOCATED SINGLE ARM GROUND MOUNTED LIGHTING UNIT, NEW LUMINAIRE, LED, SPECIAL, 240V, ON CONCRETE FOUNDATION (VILLAGE OF MT PROSPECT)



PROPOSED LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240/480 VOLT, 60 AMP, SINGLE PHASE, 3-WIRE (SEE SHEET EL-9) (CITY OF DES PLAINES)



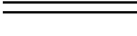
PROPOSED ELECTRIC SERVICE INSTALLATION, 240/480 VOLT, 60 AMP, SINGLE PHASE, 3-WIRE (CITY OF DES PLAINES)



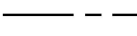
PROPOSED LIGHTING CONTROLLER, BASE MOUNTED, 120/240 VOLT, 100 AMP, SINGLE PHASE, 3-WIRE (SEE SHEET EL-8) (VILLAGE OF MT PROSPECT)



PROPOSED ELECTRIC SERVICE INSTALLATION, 120/240 VOLT, 100 AMP, SINGLE PHASE, 3-WIRE (VILLAGE OF MT PROSPECT)



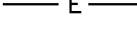
PROPOSED UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.



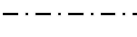
PROPOSED UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE, UNLESS NOTED OTHERWISE



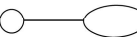
PROPOSED UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE, UNLESS NOTED OTHERWISE



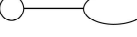
PROPOSED ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (XLP-TYPE TC) 2/C NO. 10 AND NO. 10 GROUND



EXISTING SINGLE ARM LIGHTING UNIT AND HPS LUMINAIRE, 240V, TO REMAIN (VILLAGE OF MT PROSPECT)



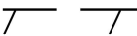
EXISTING SINGLE ARM LIGHTING UNIT TO BE RELOCATED, REMOVE LUMINAIRE AND FOUNDATION (VILLAGE OF MT PROSPECT)



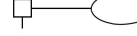
EXISTING UTILITY MOUNTED MAST ARM AND LUMINAIRE



EXISTING ELECTRIC CABLE TO REMAIN (VILLAGE OF MT PROSPECT)



EXISTING ELECTRIC CABLE TO BE REMOVED (VILLAGE OF MT PROSPECT)



EXISTING UTILITY MOUNTED MAST ARM AND LUMINAIRE TO BE REMOVED (BY OTHERS)



PROPOSED COMBINATION LIGHTING CONTROLLER (SEE TRAFFIC SIGNAL PLANS FOR LOCATION)



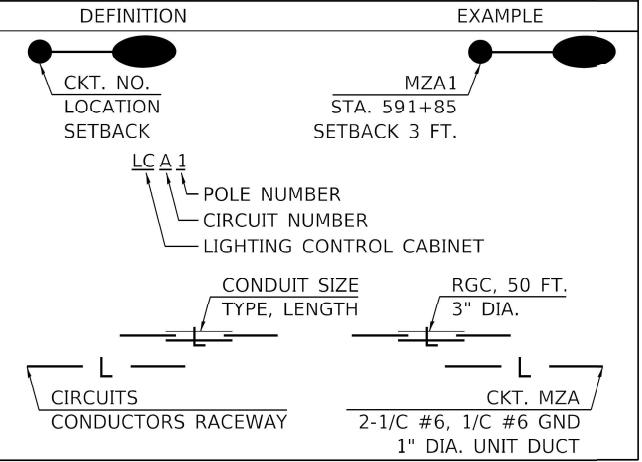
ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
AFG	ABOVE FINISHED GRADE
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
CNC	COILABLE NONMETALLIC CONDUIT
CT	CURRENT TRANSFORMER
CP	CONTROL PANEL
DIA.	DIAMETER
E	EXISTING UNIT TO REMAIN
ECA	ELECTRIC CABLE ASSEMBLY
FT	FEET OR FOOT
FND MET	FOUNDATION METAL
FU	FUSE
GND	GROUND
IID	HIGH INTENSITY DISCHARGE
HMLT	HIGH MAST LIGHT TOWER
HPS	HIGH PRESSURE SODIUM
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
LED	LIGHT EMITTING DIODE
M	METER
M.A.	MAST ARM
M.H.	MOUNTING HEIGHT
NO. #	NUMBER
PVC	POLYVINYL CHLORIDE
RGC	RIGID GALVANIZED STEEL CONDUIT
STA	STATION
T	TEMPORARY LIGHTING UNIT
TB	TRANSFORMER BASE
TMP	TEMPORARY
UD	UNIT DUCT
WP	WOOD POLE
XFMR	TRANSFORMER

GENERAL NOTES:

1. THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, AND D1 SPECIAL PROVISIONS.
2. ALL NEW UNIT DUCTS, CONDUITS, JUNCTION BOXES, AND APPURTENANCES ARE ILLUSTRATED DIAGRAMMATICALLY ON THE PLANS. THE ACTUAL LOCATIONS IN THE FIELD SHALL MEET WITH THE APPROVAL OF THE ENGINEER.
3. MEADE ELECTRIC CO. DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR LOCATES IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES 773-287-7672. THE CONTRACTOR SHALL CONTACT THE IDOT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATES OF STATE-MAINTAINED ELECTRICAL FACILITIES.
4. LIGHT POLE SETBACKS ARE MEASURED FROM THE FACE OF THE PROPOSED CURB TO THE CENTER OF THE POLE.
5. CONDUCTORS SHALL RUN CONTINUOUS WITHOUT ANY UNDERGROUND SPLICES. SPLICING OF CONDUCTORS WILL BE PERMITTED ONLY IN THE BASE OF THE LIGHTING UNITS.
6. ELECTRIC CABLES IN EXISTING CONDUIT TO BE ABANDONED SHALL BE REMOVED AND PAID FOR AS "REMOVE ELECTRIC CABLE FROM CONDUIT." THE CONDUIT SHALL BE ABANDONED IN PLACE, UNLESS OTHERWISE NOTED.
7. NEW SPLICE KITS MUST BE PROVIDED FOR ALL AFFECTED LIGHT POLES. THIS WORK IS INCLUDED IN THE PRICE OF THE ELECTRIC CABLE.
8. THE VILLAGE OF MT PROSPECT AND THE CITY OF DES PLAINES SHALL REVIEW THE CONTRACTOR'S LIGHTING CATALOG CUTSHEETS. IN ADDITION TO IDOT, THE LIGHTING CATALOG CUTSHEETS SHALL BE SENT TO THE VILLAGE OF MT PROSPECT AND THE CITY OF DES PLAINES FOR REVIEW.

CALL-OUT SAMPLES



LIGHTING SCHEDULE OF QUANTITIES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	MT PROSPECT QUANTITY	DES PLAINES QUANTITY
D1	80400100	ELECTRIC SERVICE INSTALLATION	EACH		2
D1	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	0.3	0.7
D1	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	185	395
D1	81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	345	1,435
D1	81603022	UNIT DUCT, 600V, 4-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	375	
D1	81603038	UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	205	
D1	81603083	UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	230	
D1	81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	60	120
D1	82110007	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	4	13
	82500340	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 480VOLT, 60AMP	EACH		2
	83008500	LIGHT POLE, ALUMINUM, 40 FT. M.H., 12 FT. MAST ARM	EACH	3	9
	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	50	90
	83600352	LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6'	EACH	1	
	83800505	BREAKAWAY DEVICE, COUPLING WITH ALUMINUM SKIRT	EACH	16	36
	84200804	REMOVAL OF POLE FOUNDATION	EACH	2	
	84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	2	
	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	730	
*	X1400147	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (XLP-TYPE TC)2/C NO. 10 AND NO. 10 GROUND	FOOT	340	480
*	X1400211	LIGHT POLE, SPECIAL, 30'	EACH	1	
*	X1400238	LUMINAIRE, LED, SPECIAL	EACH	6	
*	X1400267	REMOVAL OF LIGHTING LUMINAIRE, NO SALVAGE	EACH	2	
*	X8040102	ELECTRIC SERVICE INSTALLATION, SPECIAL	EACH	1	
D1	X8250091	COMBINATION LIGHTING CONTROLLER	EACH	0.5	0.5
*	X8250505	LIGHTING CONTROLLER, SPECIAL	EACH	1	
D1	Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	10	13
*	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	12	
D1		TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	4	4

LEGEND FOR S.P. COLUMN

- * INDICATES SPECIAL PROVISION
- D1 INDICATES IDOT DISTRICT 1 SPECIAL PROVISION

MODEL Default
FILE Name: S:\projects\1804 - IDOT Traffic Signal Design - EJW\project Work\CADD\WD 20002 - US 14 MTProspect\CADD Sheets\20-002.sh Light02.dgn



USER NAME = bbarr
PLOT SCALE = 40.0000 ' / in.
PLOT DATE = 8/4/2021

DESIGNED - B. BARR	REVISED -
DRAWN - B. BARR	REVISED -
CHECKED - M. RASHED	REVISED -
DATE - 8/4/2021	REVISED -

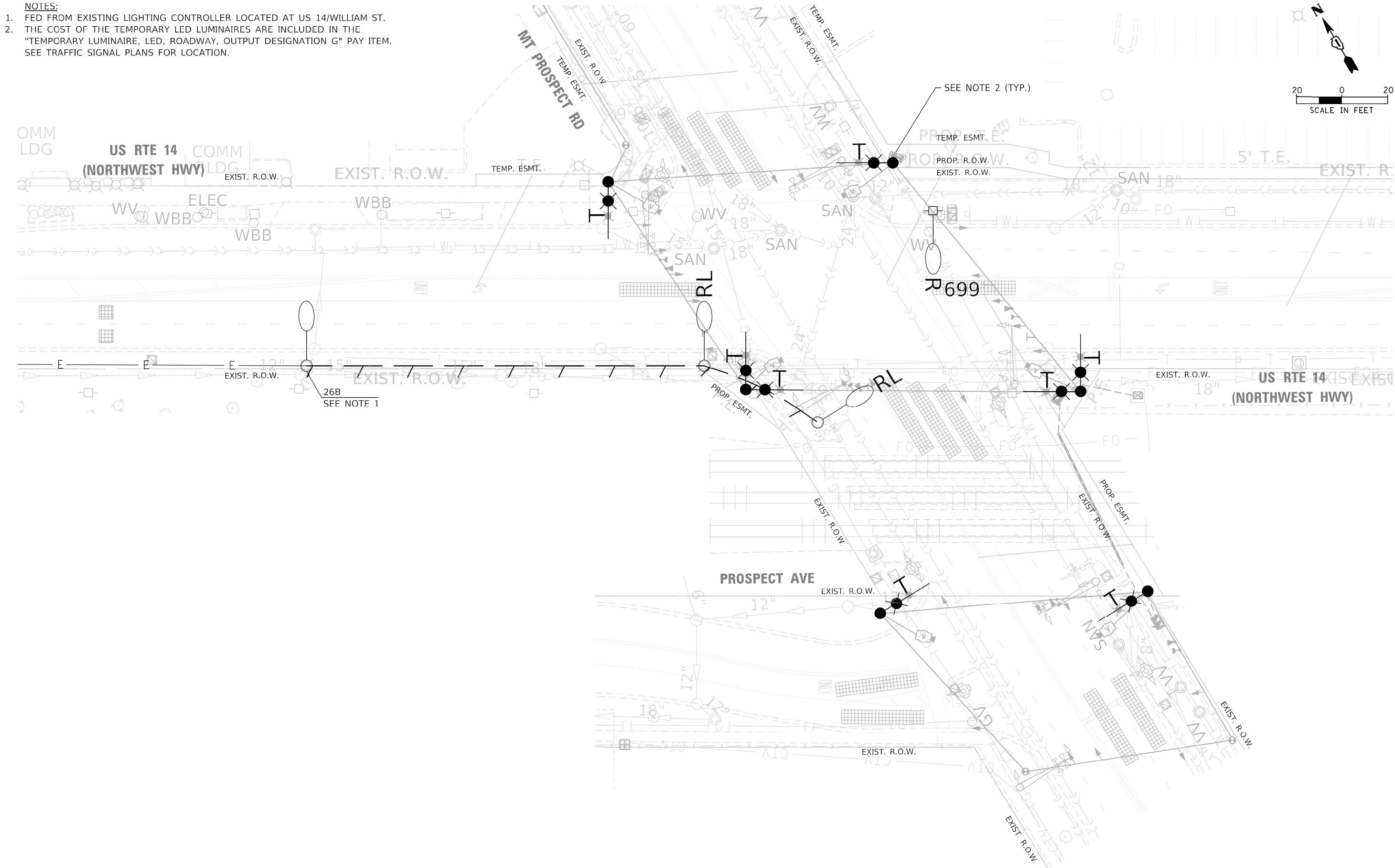
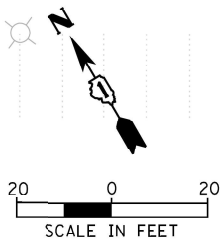
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING SCHEDULE OF QUANTITIES
US RTE 14 AND MT PROSPECT RD AND PROSPECT AVE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	99
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				

- NOTES:
1. FED FROM EXISTING LIGHTING CONTROLLER LOCATED AT US 14/WILLIAM ST.
 2. THE COST OF THE TEMPORARY LED LUMINAIRES ARE INCLUDED IN THE "TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G" PAY ITEM. SEE TRAFFIC SIGNAL PLANS FOR LOCATION.

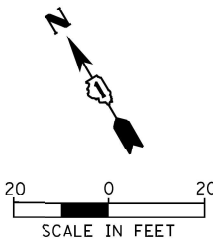
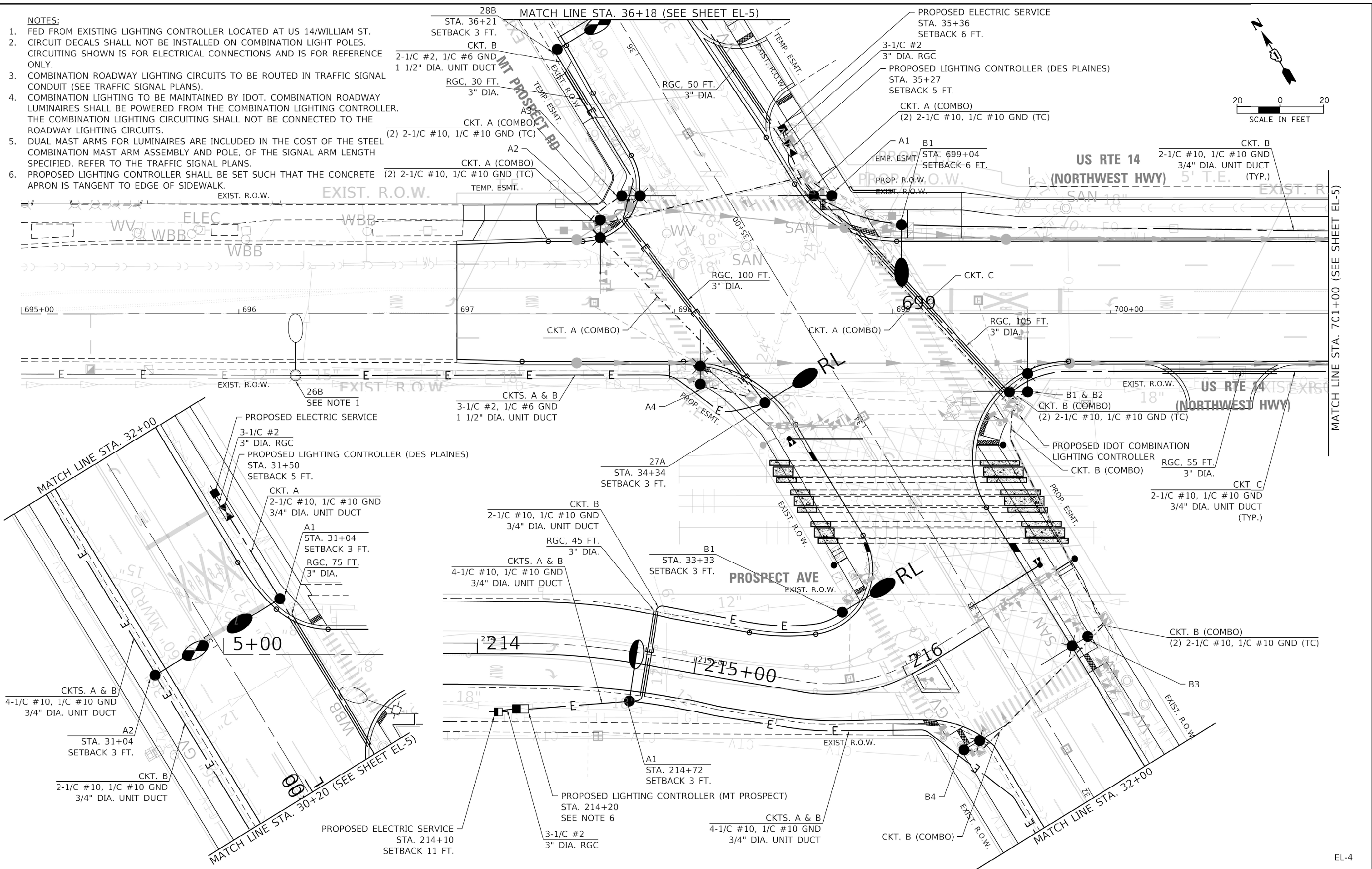


MODEL: Default
FILE NAME: S:\projects\1804 - IDOT Traffic Signal Design - EJH\project - Work\CADD\WD 20002 - US 14 MTProspect\CADD Sheets\20-002 sh: lgh03.dgn

<div><div>TranSmart</div><div>411 South Wells Street Suite 1000</div><div>Chicago, Illinois 60607</div></div>	USER NAME = bbarr		DESIGNED - B. BARR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY LIGHTING REMOVAL PLAN US RTE 14 AND MT PROSPECT RD AND PROSPECT AVE			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / in.		DRAWN - B. BARR	REVISED -					3512	2019-006-N	COOK	146	100
	PLOT DATE = 8/4/2021		CHECKED - M. RASHED	REVISED -		SCALE: 1" = 20'			CONTRACT NO. 62H87				
			DATE - 8/4/2021	REVISED -		SHEET OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT				

NOTES:

1. FED FROM EXISTING LIGHTING CONTROLLER LOCATED AT US 14/WILLIAM ST.
2. CIRCUIT DECALS SHALL NOT BE INSTALLED ON COMBINATION LIGHT POLES. CIRCUITING SHOWN IS FOR ELECTRICAL CONNECTIONS AND IS FOR REFERENCE ONLY.
3. COMBINATION ROADWAY LIGHTING CIRCUITS TO BE ROUTED IN TRAFFIC SIGNAL CONDUIT (SEE TRAFFIC SIGNAL PLANS).
4. COMBINATION LIGHTING TO BE MAINTAINED BY IDOT. COMBINATION ROADWAY LUMAIRES SHALL BE POWERED FROM THE COMBINATION LIGHTING CONTROLLER. THE COMBINATION LIGHTING CIRCUITING SHALL NOT BE CONNECTED TO THE ROADWAY LIGHTING CIRCUITS.
5. DUAL MAST ARMS FOR LUMAIRES ARE INCLUDED IN THE COST OF THE STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, OF THE SIGNAL ARM LENGTH SPECIFIED. REFER TO THE TRAFFIC SIGNAL PLANS.
6. PROPOSED LIGHTING CONTROLLER SHALL BE SET SUCH THAT THE CONCRETE APRON IS TANGENT TO EDGE OF SIDEWALK.



MODEL: Default
FILE NAME: 5100101804 - IDOT Traffic Signal Design - E:\M\Project Work\CADD\2020\02 - US 14 MT Prospect\CADD Sheets\20-022 sh: lgh04.dgn
DATE: 8/4/2021



USER NAME	= bbarr
DESIGNED	- B. BARR
DRAWN	- B. BARR
PLOT SCALE	= 40.0000' / in.
PLOT DATE	= 8/4/2021

REVIS	-
REVIS	-
REVIS	-
REVIS	-

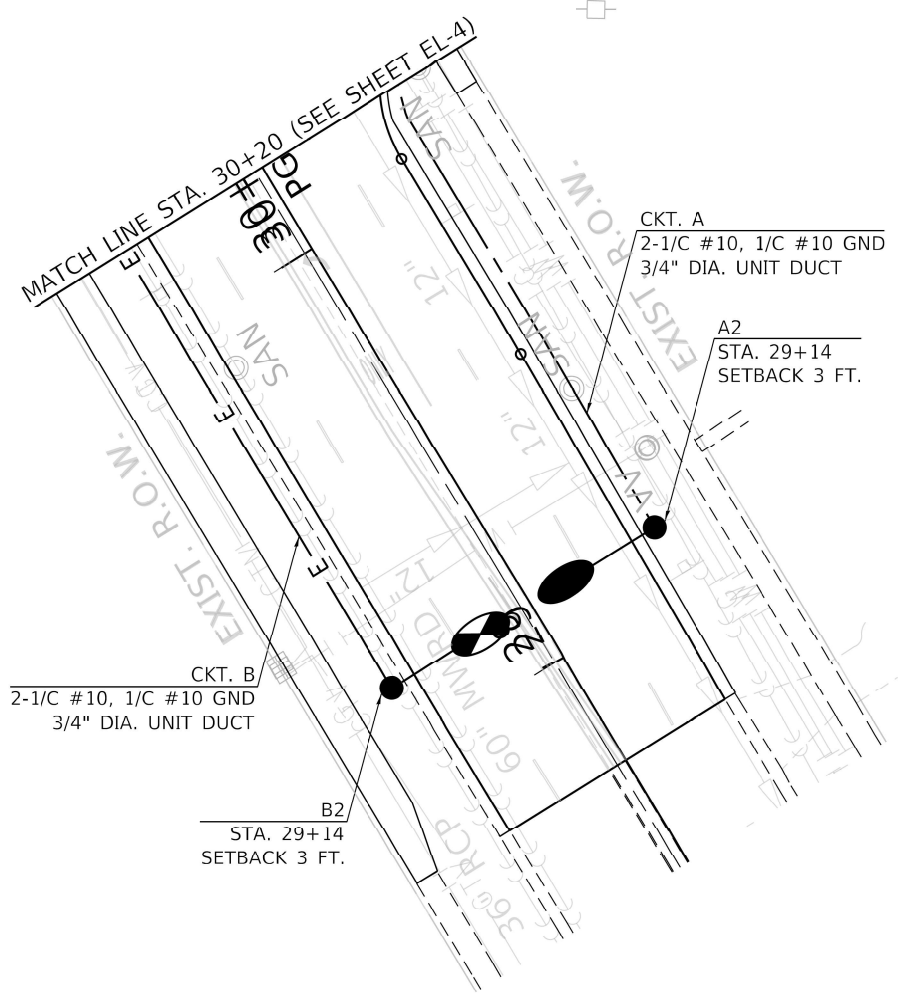
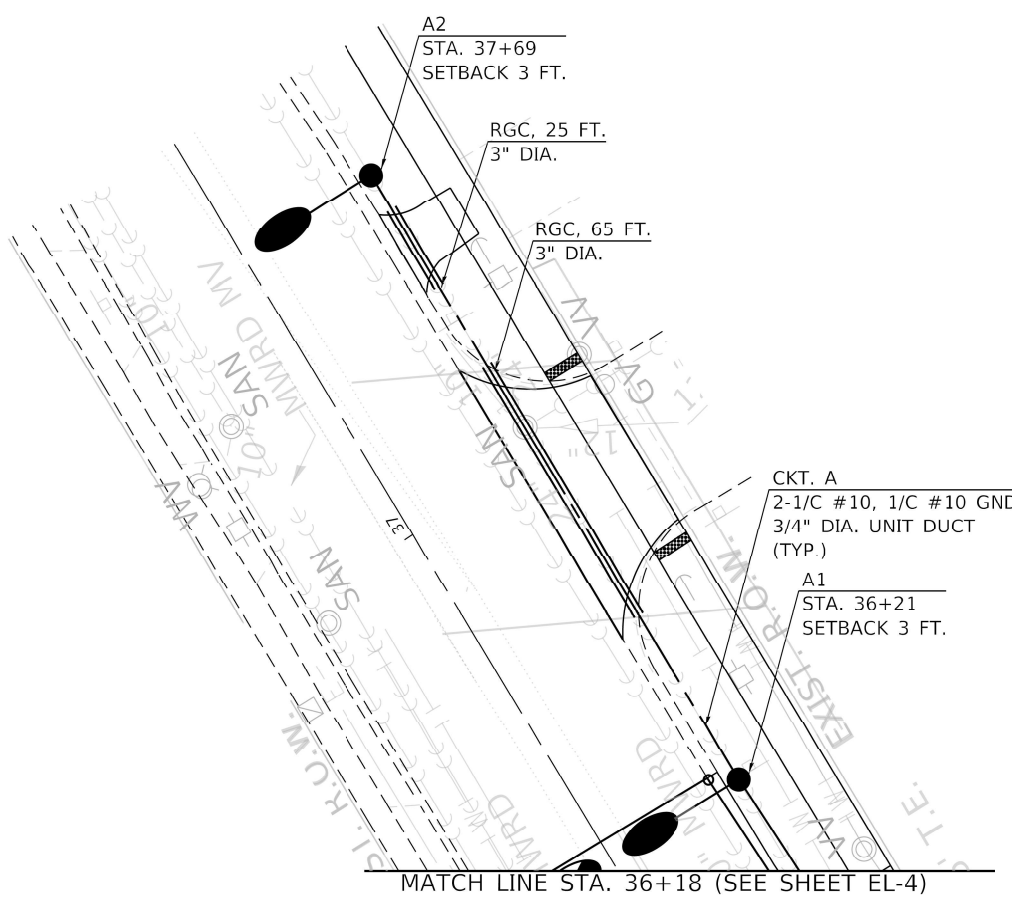
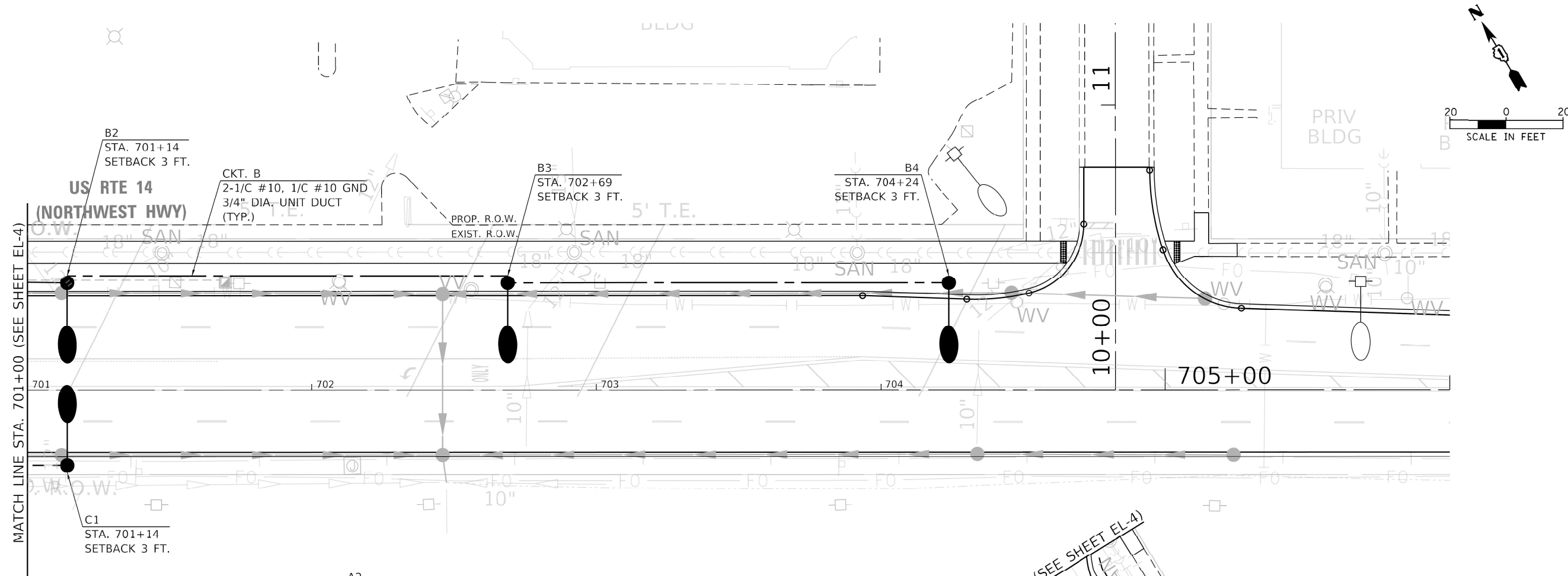
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED ROADWAY LIGHTING PLAN
US RTE 14 AND MT PROSPECT RD AND PROSPECT AVE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	101
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA. 701+00 (SEE SHEET EL-5)



MODEL: Default
FILE NAME: S:\Projects\1804 - IDOT Traffic Signal Design - E:\M\Project Work\CADD\WD 20002 - US 14 MTProspect\CADD Sheets\20-002 sh: lgh05.dgn





USER NAME = bbarr	DESIGNED - B. BARR	REVISED -
	DRAWN - B. BARR	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - M. RASHED	REVISED -
PLOT DATE = 8/4/2021	DATE - 8/4/2021	REVISED -


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION


PROPOSED ROADWAY LIGHTING PLAN			
US RTE 14 AND MT PROSPECT RD AND PROSPECT AVE			
SCALE: 1" = 20'	SHEET	OF SHEETS	STA. TO STA.


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	102
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				


- 


PROPOSED SINGLE ARM GROUND MOUNTED LIGHTING UNIT, 40 FT. M.H., 12 FT. M.A., LUMINAIRE, LED ROADWAY, OUTPUT DESIGNATION G, 240V (CITY OF DES PLAINES)
- 


RELOCATED SINGLE ARM GROUND MOUNTED LIGHTING UNIT, NEW LUMINAIRE, LED, SPECIAL, 240V (VILLAGE OF MT PROSPECT)
- 


PROPOSED SINGLE ARM GROUND MOUNTED LIGHTING UNIT, 40 FT. M.H., 12 FT. M.A., LUMINAIRE, LED, SPECIAL, 240V (VILLAGE OF MT PROSPECT)
- 


PROPOSED LIGHT POLE, SPECIAL, 30 FT. M.H., 10 FT. M.A., LUMINAIRE, LED, SPECIAL, 240V (VILLAGE OF MT PROSPECT)
- 


EXISTING SINGLE ARM LIGHTING UNIT AND HPS LUMINAIRE, 240V, TO REMAIN (VILLAGE OF MT PROSPECT)
- 

PROPOSED LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G, 120V, 45 FT. M.H., 2-15 FT. M.A., ORIENTED AT 90 DEGREES APART ON STEEL COMBINATION MAST ARM AND POLE
- 

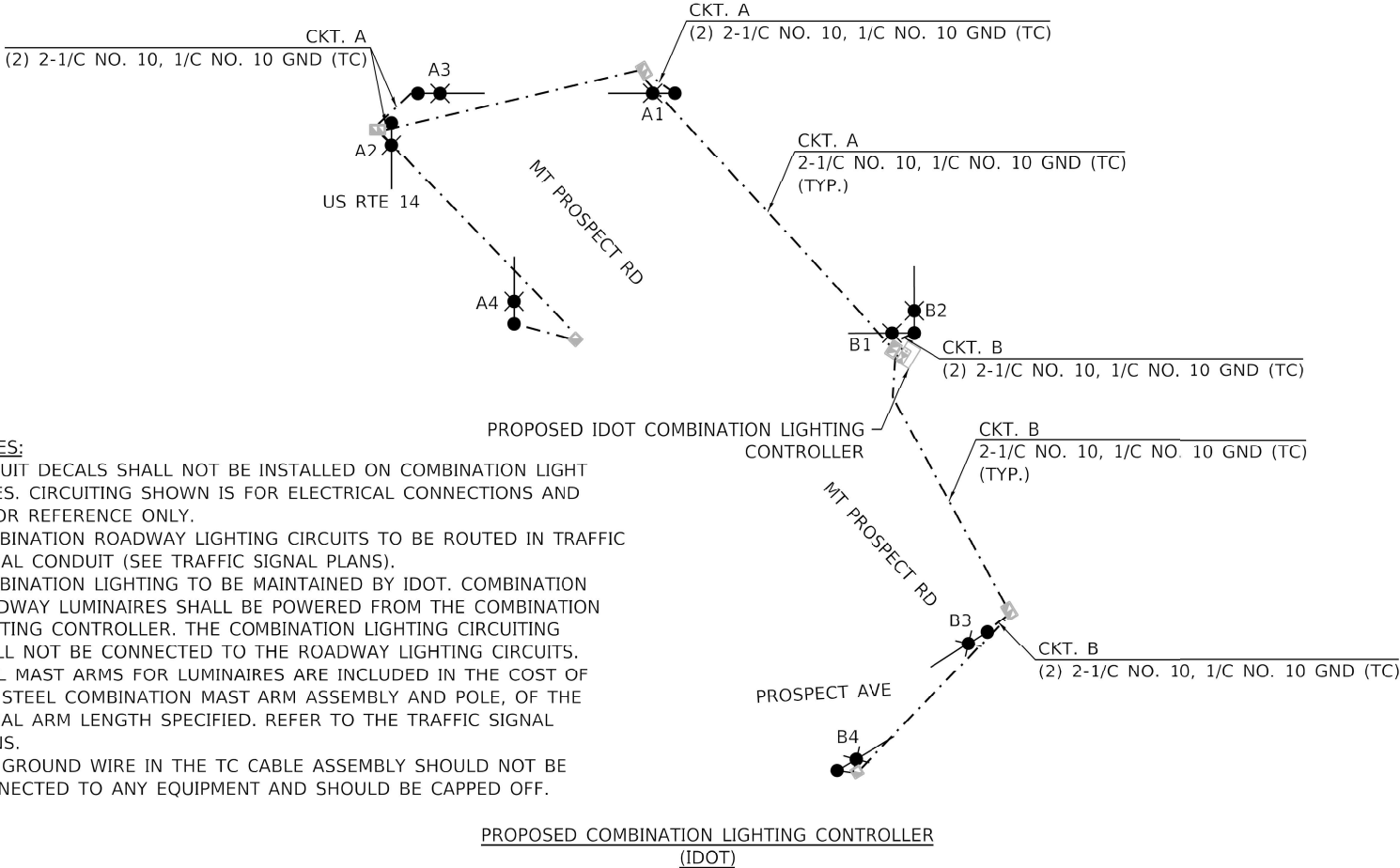
PROPOSED LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G, 120V, 45 FT. M.H., 15 FT. M.A., ON STEEL COMBINATION MAST ARM AND POLE
- 

PROPOSED LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240/480 VOLT, 60 AMP, SINGLE PHASE, 3-WIRE (CITY OF DES PLAINES)
- 

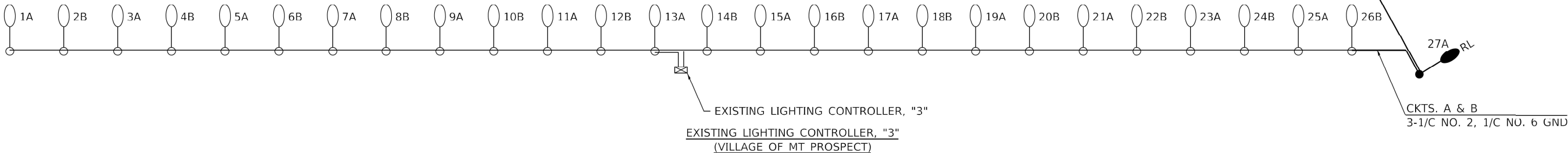
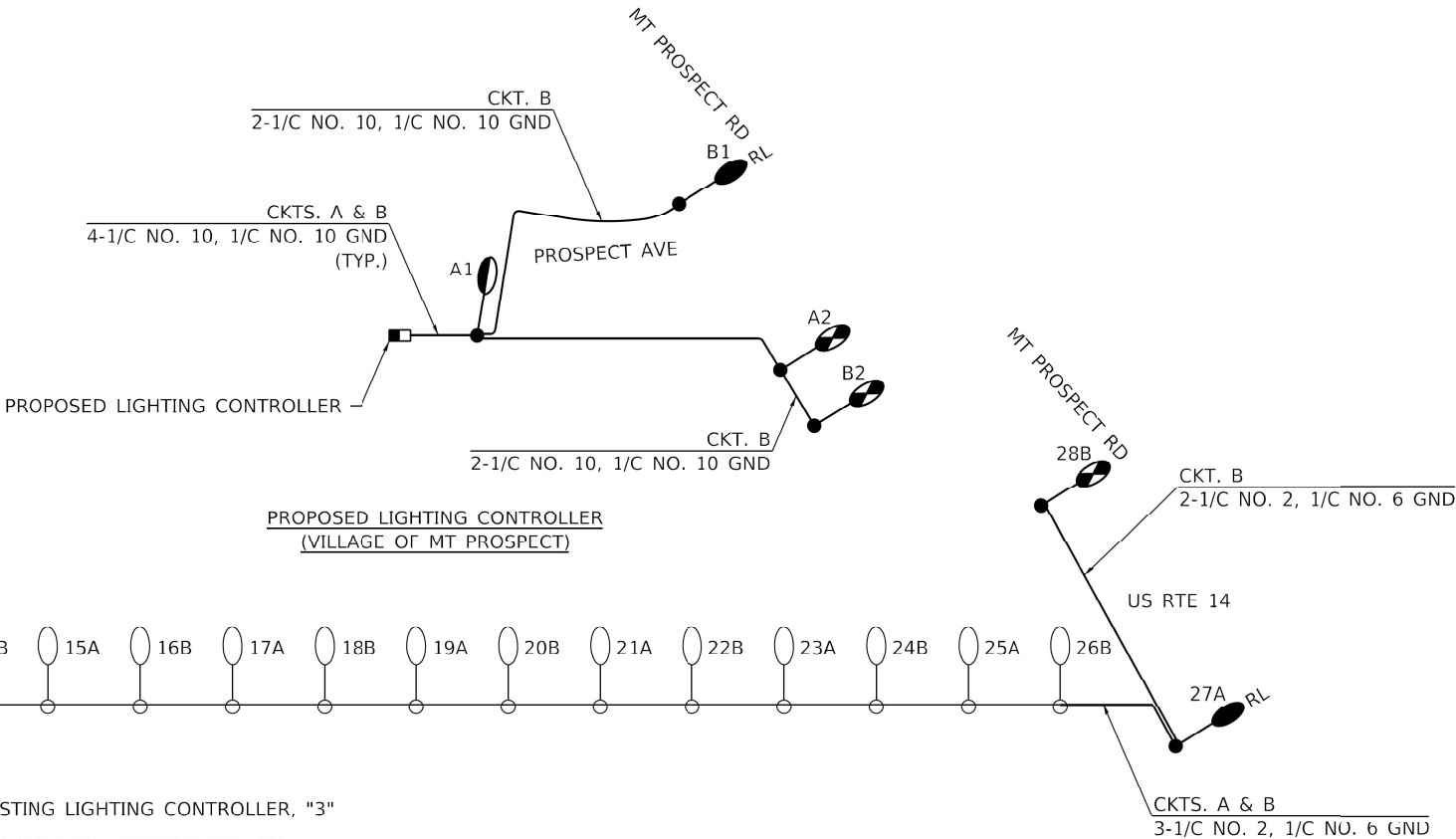
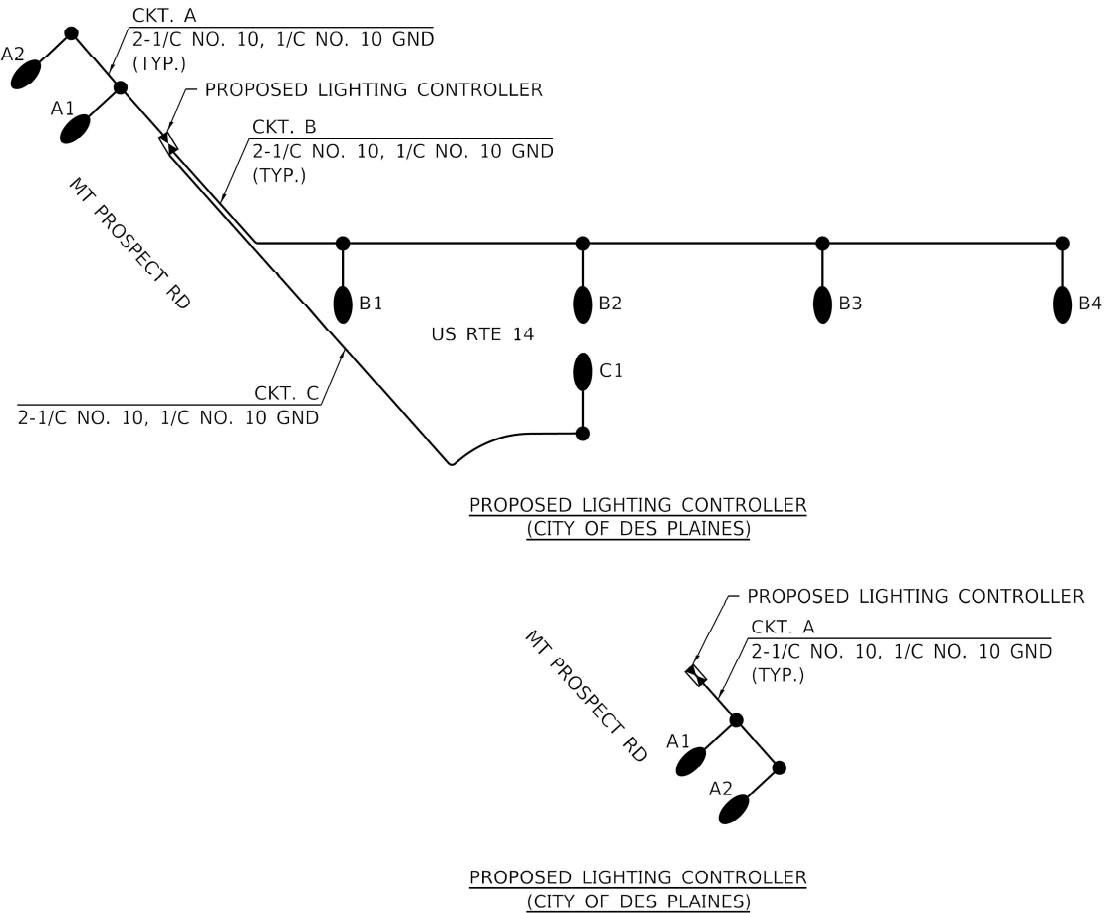
PROPOSED LIGHTING CONTROLLER, BASE MOUNTED, 120/240 VOLT, 100 AMP, SINGLE PHASE, 3-WIRE (VILLAGE OF MT PROSPECT)
- 

PROPOSED COMBINATION LIGHTING CONTROLLER
- 

EXISTING LIGHTING CONTROLLER, 240/480 VOLT (VILLAGE OF MT PROSPECT)



- NOTES:**
- CIRCUIT DECALS SHALL NOT BE INSTALLED ON COMBINATION LIGHT POLES. CIRCUITING SHOWN IS FOR ELECTRICAL CONNECTIONS AND IS FOR REFERENCE ONLY.
 - COMBINATION ROADWAY LIGHTING CIRCUITS TO BE ROUTED IN TRAFFIC SIGNAL CONDUIT (SEE TRAFFIC SIGNAL PLANS).
 - COMBINATION LIGHTING TO BE MAINTAINED BY IDOT. COMBINATION ROADWAY LUMINAIRES SHALL BE POWERED FROM THE COMBINATION LIGHTING CONTROLLER. THE COMBINATION LIGHTING CIRCUITING SHALL NOT BE CONNECTED TO THE ROADWAY LIGHTING CIRCUITS.
 - DUAL MAST ARMS FOR LUMINAIRES ARE INCLUDED IN THE COST OF THE STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, OF THE SIGNAL ARM LENGTH SPECIFIED. REFER TO THE TRAFFIC SIGNAL PLANS.
 - THE GROUND WIRE IN THE TC CABLE ASSEMBLY SHOULD NOT BE CONNECTED TO ANY EQUIPMENT AND SHOULD BE CAPPED OFF.



MODEL: Default
FILE NAME: S:\Projects\1804 - IDOT Traffic Signal Design - EJMP\Project Work\CADD\WD 20002 - US 14 MTProspect\CADD Sheets\20-002 sh: lghr06.dgn

TranSmart
411 South Wells Street Suite 1000
Chicago, Illinois 60607

USER NAME = bbarr	DESIGNED - B. BARR	REVISED -
	DRAWN - B. BARR	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - M. RASHED	REVISED -
PLOT DATE = 8/4/2021	DATE - 8/4/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SINGLE LINE DIAGRAMS
US RTE 14 AND MT PROSPECT RD AND PROSPECT AVE

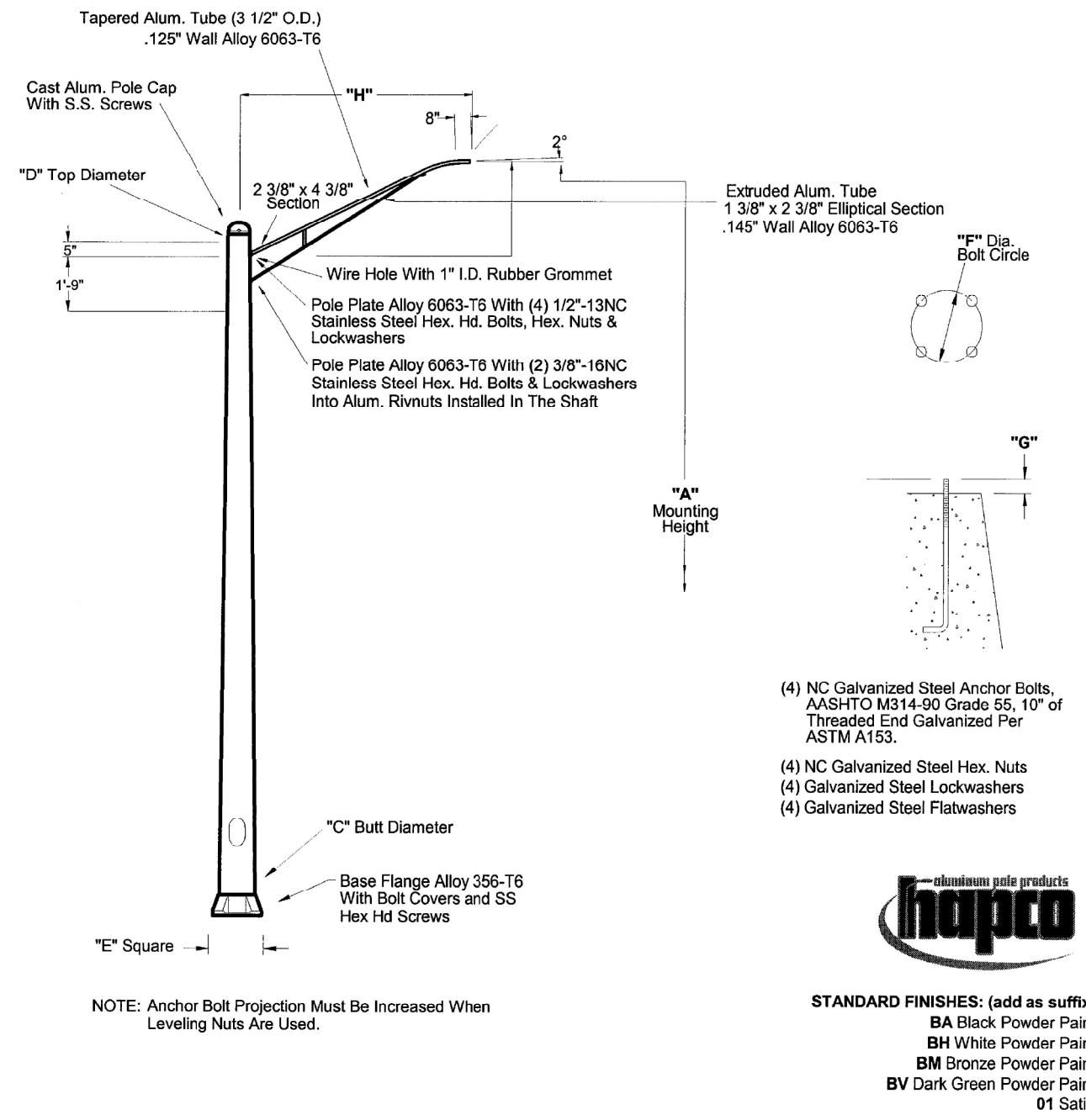
SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	103
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				

EL-6

MODEL: Default
FILE NAME: S:\Projects\1804 - IDOT Traffic Signal Design - E:\M\Project Work\CADD\WD 20002 - US 14 MTProspect\CADD Sheets\20-002.sh: lgh07.dgn

RTA30D8B4T1A-**



General Shaft Assembly	A	B	C	D	E	F	G				H					
	Mtg Hgt	Wall Thick.	Butt Dia.	Top Dia.	Base Dia.	Bolt Circle	Bolt Project	Net Weight	Lum Weight	Anchor Bolts	Arm Length	Maximum EPA per Luminaire				
												70	80	90	100	110
RTA	30	.188	8	4.5	11.25	11 -12	2.75	174	75	1 x 36 x 4	10	8.0	3.0	2.0	1.4	0.9

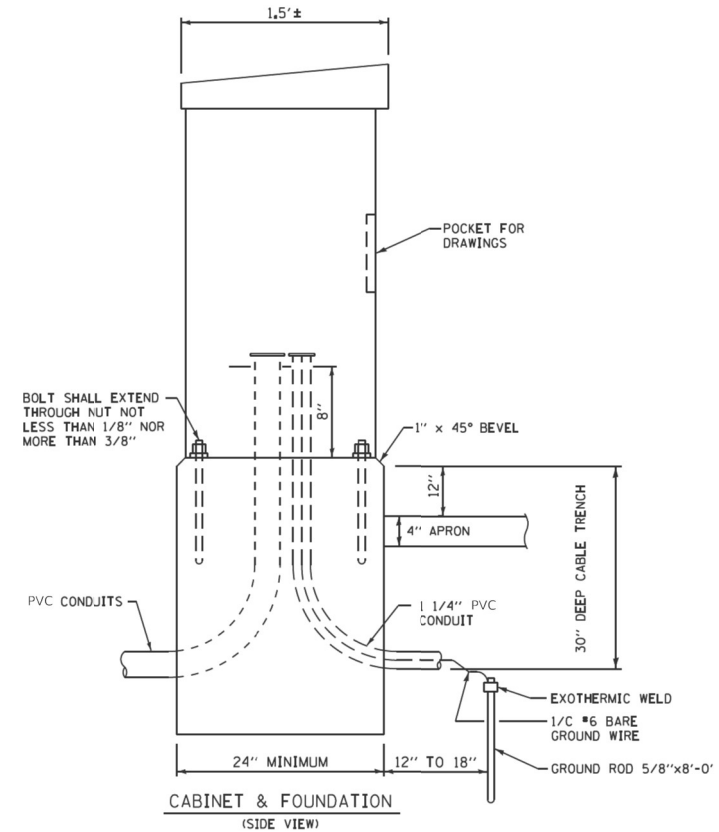
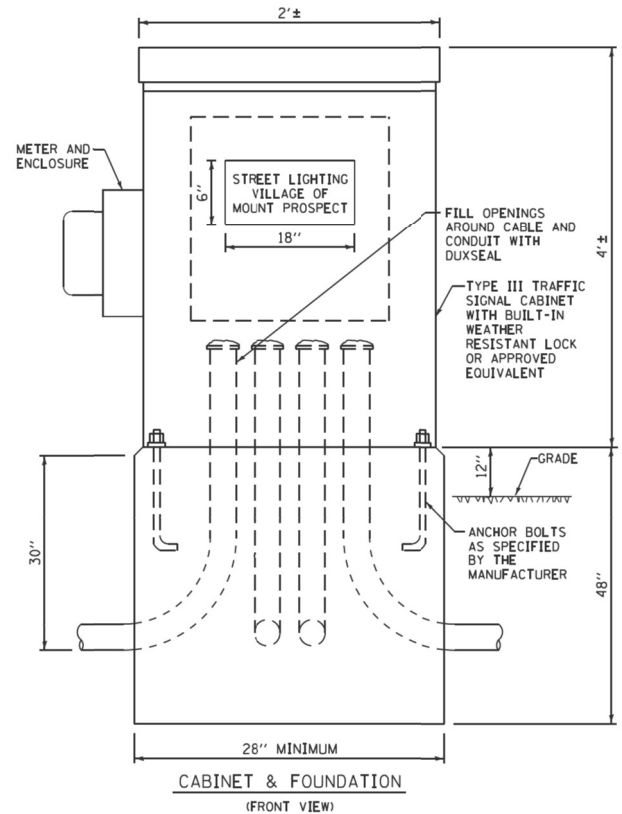
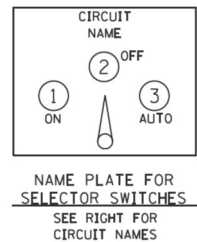
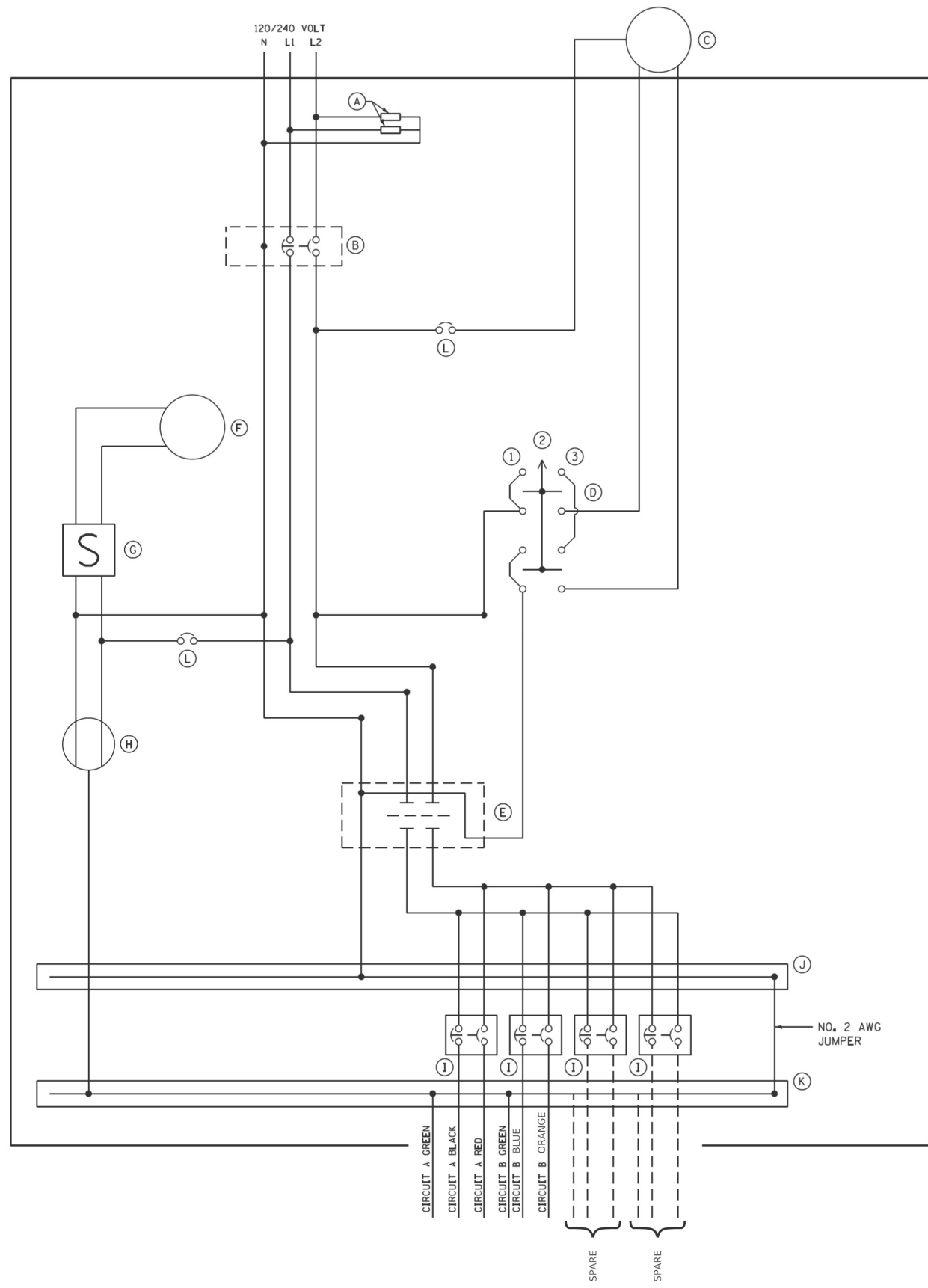
26252 Hillman Highway, Abingdon, VA 24210 Phone: 1-800-368-7171 Fax: 1-276-628-7707 Web: <http://www.hapco.com>

- NOTES:
- THIS VILLAGE OF MT PROSPECT LIGHT POLE SHALL BE USED IN CONJUNCTION WITH PAY ITEM "LIGHT POLE, SPECIAL, 30'" (X1400211).
 - THE CONTRACTOR SHALL COORDINATE THE POLE BASE BOLT CIRCLE DIAMETER WITH THE METAL FOUNDATION.

USER NAME = bbarr	DESIGNED - B. BARR	REVISED -
	DRAWN - B. BARR	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED - M. RASHED	REVISED -
PLOT DATE = 8/4/2021	DATE - 8/4/2021	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	104
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				

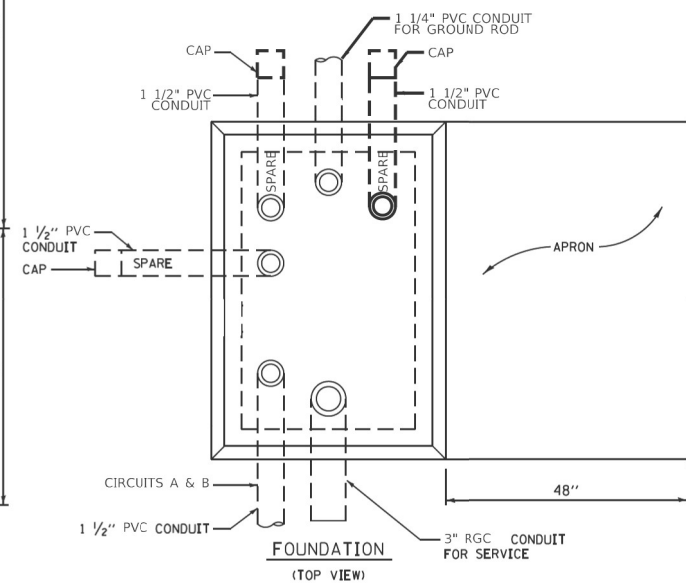
MODEL: Default
FILE NAME: S:\Projects\1804 - IDOT Traffic Signal Design - E:\Project Work\CADD\20-002 - US 14 MTProspect\CADD Sheets\20-002-shr-light08.dgn



- (A) LIGHTNING ARRESTORS
- (B) MAIN CIRCUIT BREAKER - 100 AMP, TWO-POLE
- (C) PHOTOCELL MOUNTED IN CONTROLLER
- (D) SELECTOR SWITCH - ON/OFF/AUTO
- (E) CONTROL CONTACTOR - 100 AMP, TWO POLE
- (F) CABINET LIGHT, 8-12 WATT LED
- (G) CABINET LIGHT SWITCH
- (H) GFI DUPLEX RECEPTACLE
- (I) BRANCH CIRCUIT BREAKER - 30 AMP, TWO POLE
- (J) NEUTRAL BUS BAR
- (K) GROUND BUS BAR
- (L) CIRCUIT BREAKER - 20 AMP, SINGLE POLE

MT PROSPECT RD AND PROSPECT AVE LOAD TABULATION		
CIRCUIT	WATTS	AMPS
CIRCUIT A	240	1.0
CIRCUIT B	240	1.0
CIRCUIT C (SPARE)		
CIRCUIT D (SPARE)		

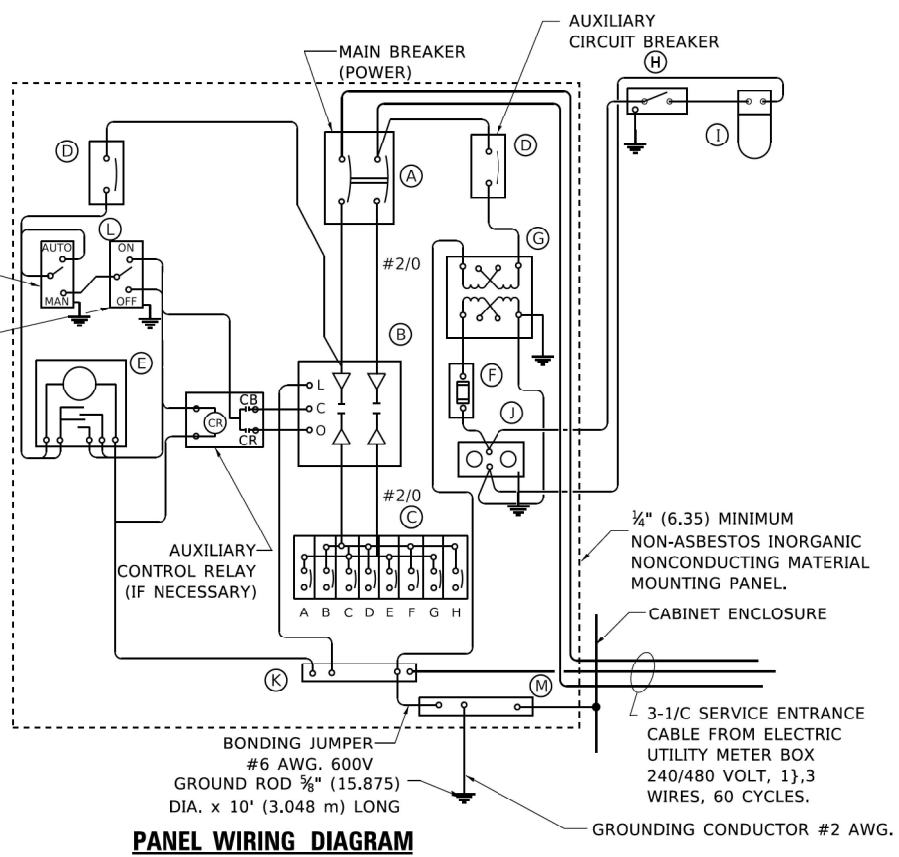
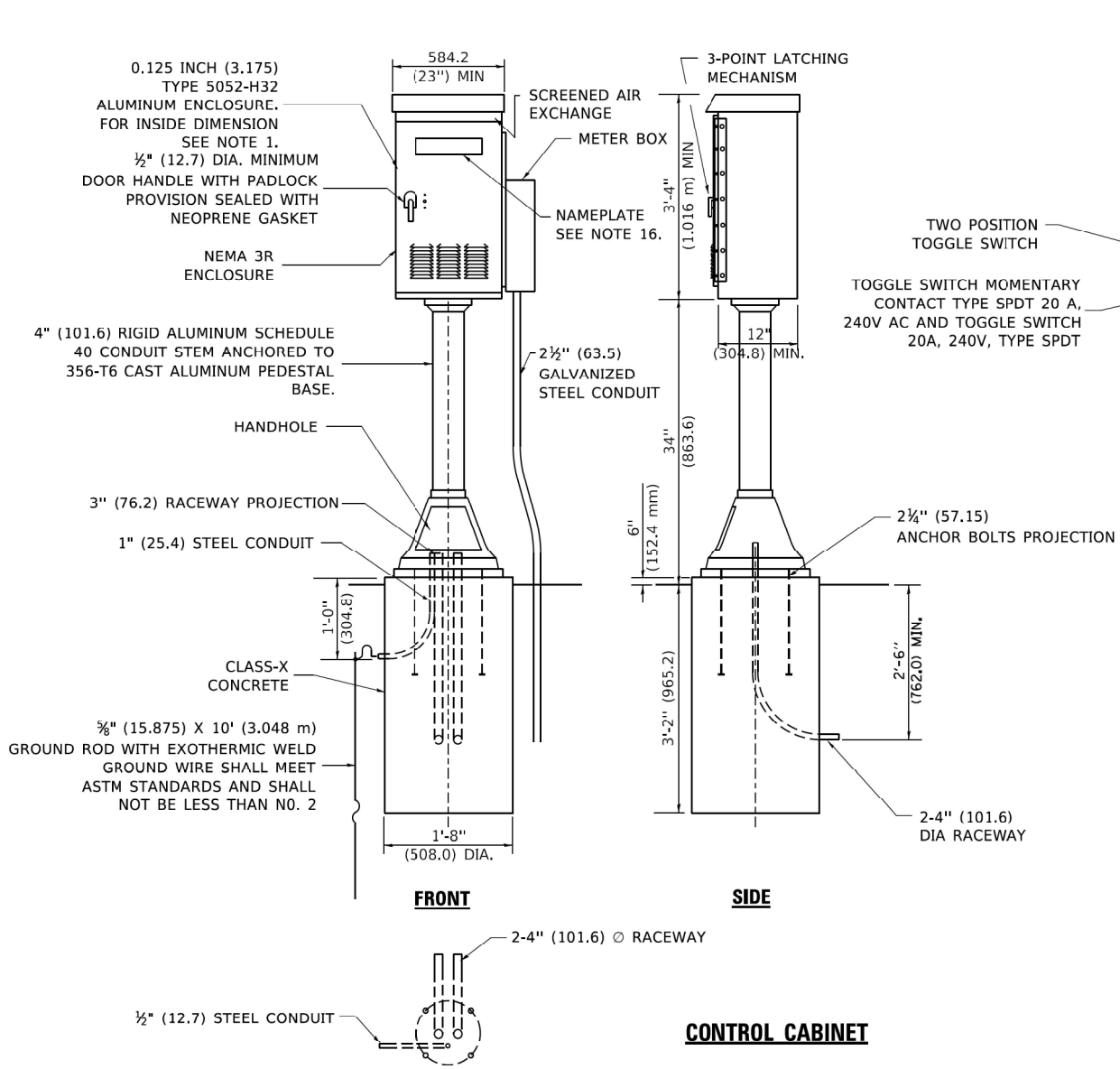
- NOTES:
- CONCRETE FOUNDATION SHALL CONFORM TO STANDARD 878001 FOR TYPE D FOUNDATION.



USER NAME = bbarr	DESIGNED - B. BARR	REVISED -
	DRAWN - B. BARR	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED - M. RASHED	REVISED -
PLOT DATE = 8/4/2021	DATE - 8/4/2021	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	104B	146
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: S:\Projects\1804 - IDOT Traffic Signal Design - E:\M\Project Work\CADD\WD 20002 - US 14 MTProspect\CADD Sheets\20-002 sh: lgh09.dgn



PANEL EQUIPMENT		
BILL OF MATERIAL		
ITEM	QUANTITY	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT 60 AMP. FRAME, 60 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22000 AMP. AT 480 VOLT.
B	1	REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD. 2 POLE. SINGLE THROW, 60 AMP., 600 VOLTS CONTROL CIRCUIT 240 VOLT.
C	8	CIRCUIT BREAKERS, 1 POLE, 277V., 60 AMP., FRAME 50 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-10,000 AMP. AT 240 V.
D	2	CONTROL CIRCUIT-CIRCUIT BREAKER, 1 POLE, 240 V., 60 AMP. FRAME, 15 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-5000 AMP. AT 240 V.
E	1	ASTRONOMIC MICROPROCESSOR-BASED 2-CHANNEL CONTROLLER [TIME SWITCH].
F	1	20 A., 120 V. FUSE.
G	1	1.5 KVA, SINGLE PHASE, ENCAPSULATED TRANSFORMER 240 X 480 / 120 X 240 VOLT, 60 HZ.
H	1	SPST 20A SWITCH ON DOOR, TO TURN LIGHT ON WHEN DOOR IS OPEN,
I	1	INCANDESCENT LIGHTING FIXTURE ENCLOSED AND GASKETED WITH 60 WATT, 120 V. LAMP.
J	1	20 A., 120 V., DUPLEX RECEPTACLE, GFCI.
K	1	COPPER GROUND BUS ¼" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
L	1	TOGGLE SWITCHES MOUNTED IN 4" (101.6) X 4" (101.6 mm) BOX.
M	1	COPPER GROUND BUS ¼" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND SPARE LUGS

NOTES

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

2. UNLESS OTHERWISE INDICATED, THE CABINET SHALL BE MOUNTED ATOP A 4-INCH (101.6 mm) RIGID ALUMINUM SCHEDULE 40 CONDUIT STEM ANCHORED TO A CAST ALUMINUM PEDESTAL BASE.

3. IN FRONT OF CONTROL CABINET DOOR, REMOVE VEGETATION AND 2" (50.8 mm) TOP SOIL, LEVEL THE AREA AND ON TOP, PLACE LENGTH WISE PARALLEL TO CONTROL CABINET, A CONCRETE PAD 36" (914.4 mm) x 60" (18.288 m) x 4" (101 mm) MIN. SIZE. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.

4. DOOR SHALL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.

5. DOOR SHALL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP THE BOTTOM.

6. DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 1#4" (6.35 mm) DIA. STAINLESS STEEL HINGE PIN.
7. ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.

8. CONTROL WIRING TO BE #12 AWG, 600V, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.

9. METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.

10. THE CABINET SHALL BE UNPAINTED WITH A BARE ALUMINUM FINISH.

11. THE HEADS OF CONNECTORS SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTORS.

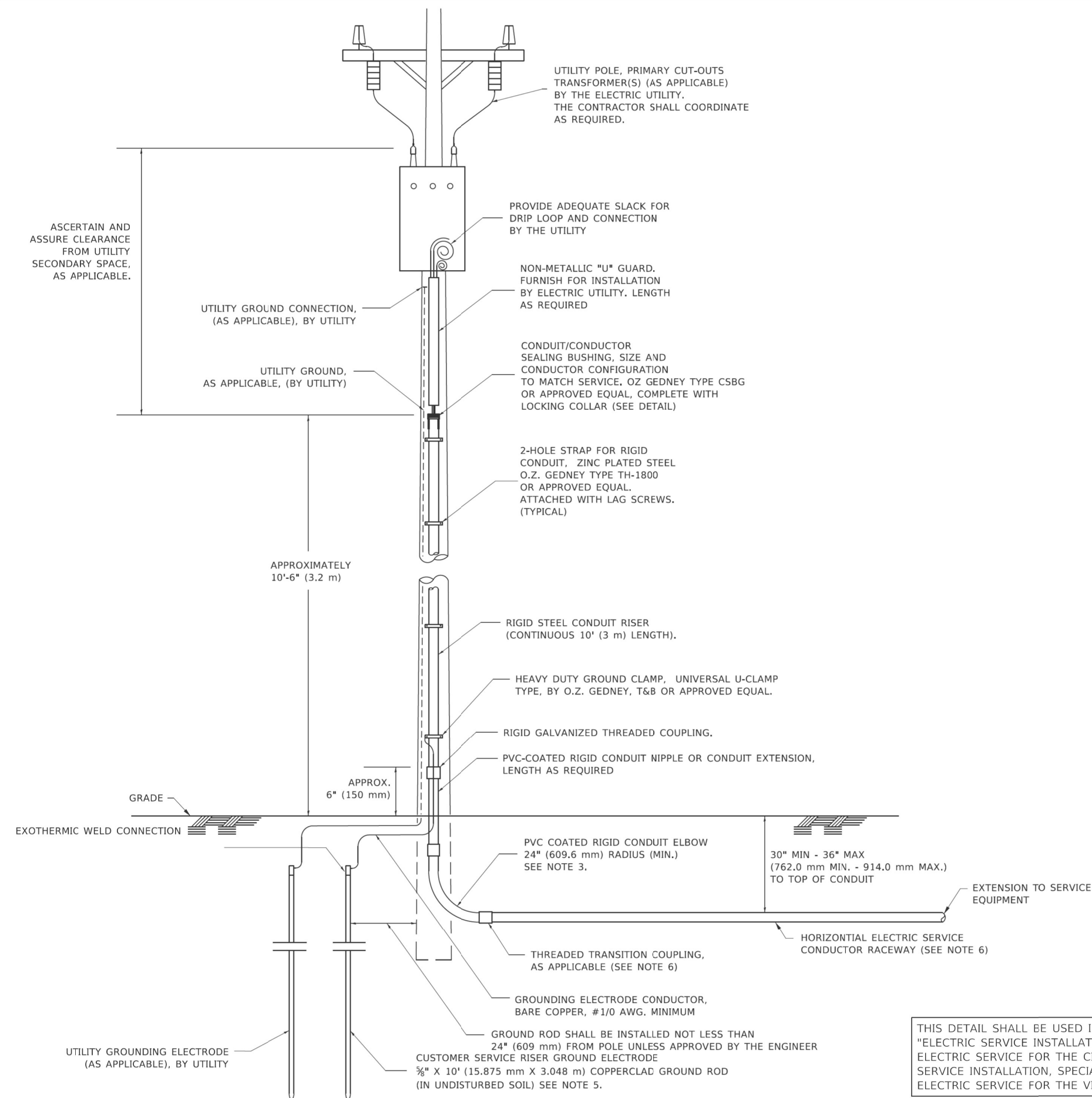
12. ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED:

R = RED BL = BLUE W = WHITE
B = BLACK Y = YELLOW G = GREEN

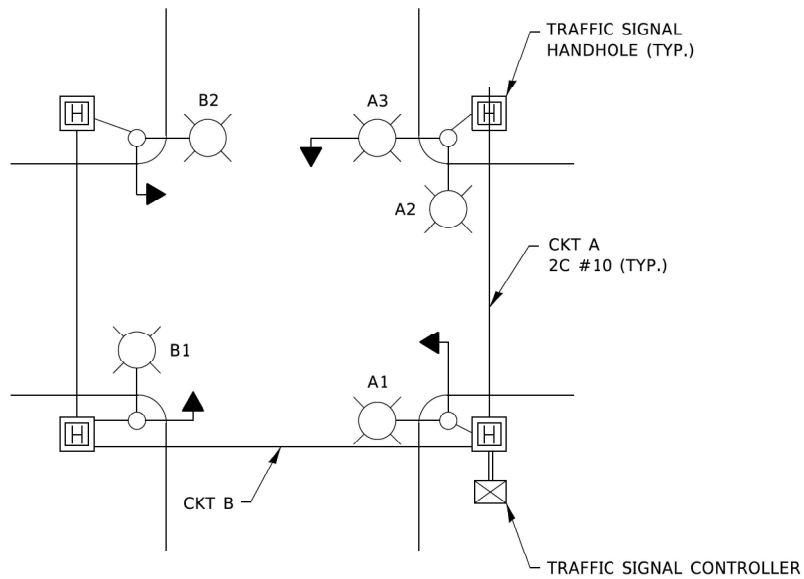
13. PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
14. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

15. THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".

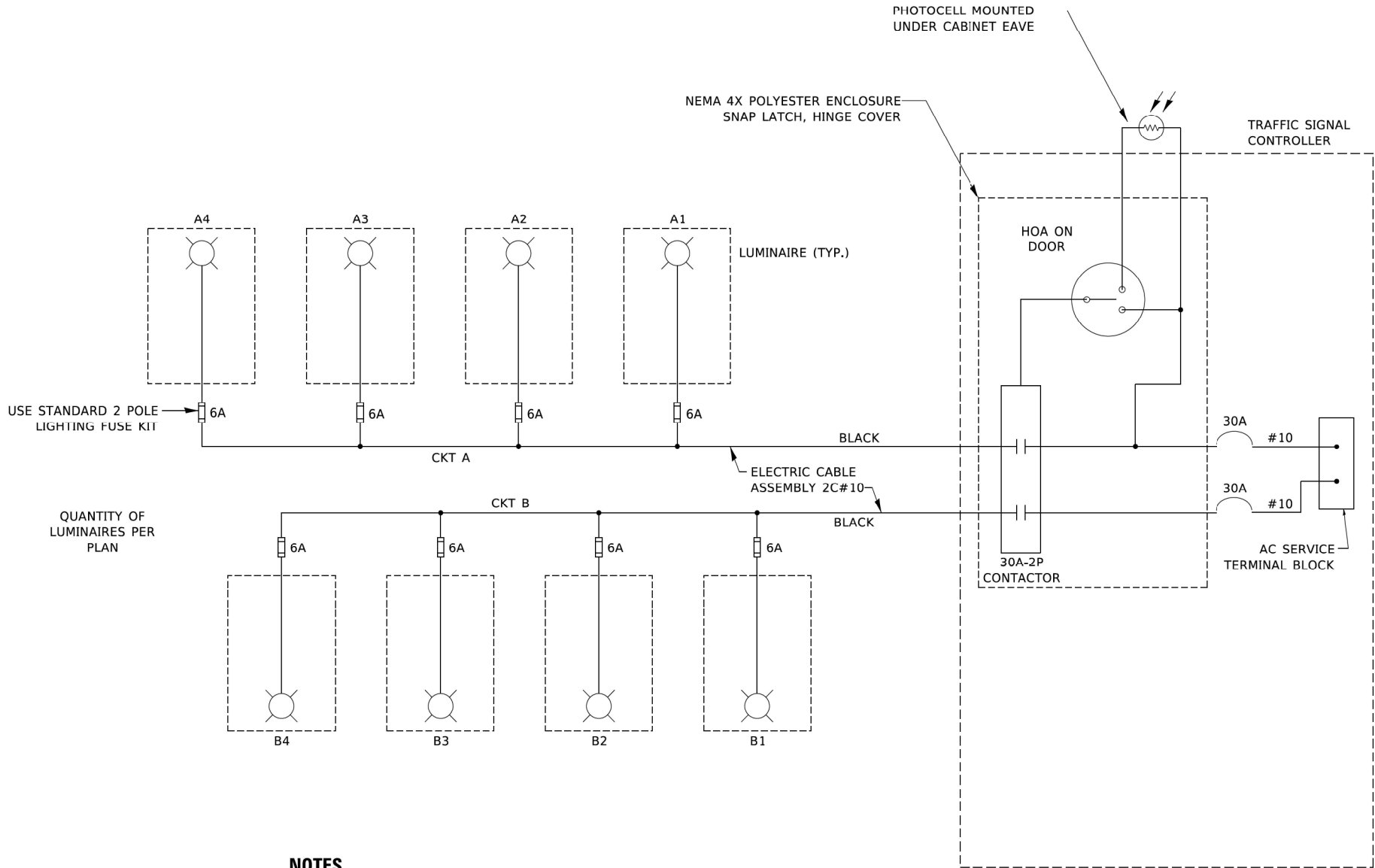
16. 12" (304.8) X 16" (406.4 mm) STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "CITY OF DES PLAINES LIGHTING CONTROLS".



FILE NAME: D:\PROJECTS\2019\2019-006-N\2019-006-N.dwg	USER NAME = [footem]	DESIGNED -	REVISED - 03-03-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT				F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						3512	2019-006-N	COOK	105B	146
	PLOT SCALE = 50,0000' / in.	CHECKED - MEA	REVISED -		BE-220 CONTRACT NO. 62H87								
	PLOT DATE = 4/19/2019	DATE -	REVISED -										
					SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.		ILLINOIS FED. AID PROJECT				

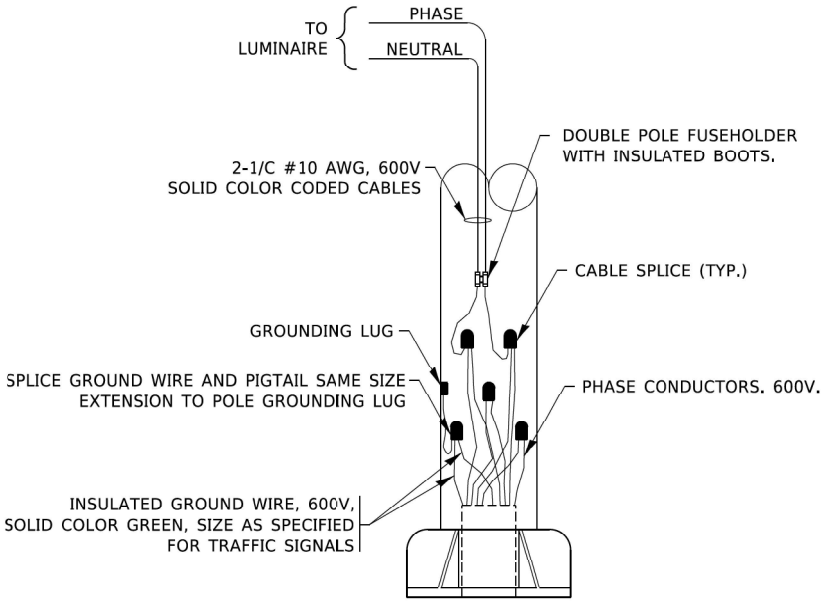


TYPICAL LIGHTING CIRCUIT
(NOT TO SCALE)



NOTES

1. 4 LUMINAIRES PER CIRCUIT, MAXIMUM.
2. MULTI-CONDUCTOR CABLE ASSEMBLY FOR LIGHTING CIRCUITS.
3. ROUTE LIGHTING CIRCUITS IN TRAFFIC SIGNAL CONDUIT SYSTEM.
4. ALL SPLICES AND CONNECTIONS FOR ROADWAY LIGHTING SHALL BE AT POLE BASE ONLY.
5. ALL CONTROLLERS TO HAVE TWO CIRCUIT BREAKERS.
6. ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED. (UNDERGROUND SPLICING OF LIGHTING CONDUCTORS IS NOT PERMITTED).
7. THE H.O.A. SWITCH SHALL BE LABELED AS "LIGHTING CONTROL" WITH THE POSITIONS "AUTO", "OFF" AND "TEST" WITH ENGRAVED NAME PLATES.
8. LIGHTING CONNECTED TO UPS BYPASS CIRCUIT.
9. COMBINATION LIGHTING MUST BE INSTALLED PRIOR TO SIGNAL TURN ON.
10. LUMINAIRE VOLTAGE SHALL BE 120V



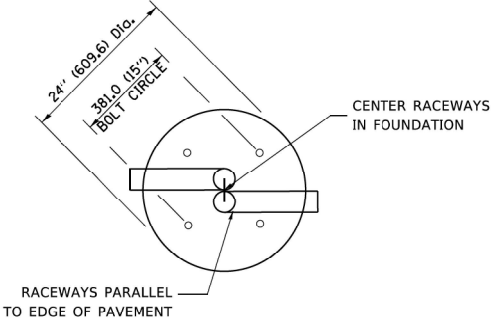
COMBINATION POLE WIRING DETAIL
(NOT TO SCALE)

MODE: Default
FILE: \\mte-proj\jenrson-dot-illinois.gov\PIV\DOT\Documents\DOT - Offices\District 1\Projects\Dist422\2-1\CADD\Dist1\CA\Sheets\Sub2\10.dgn

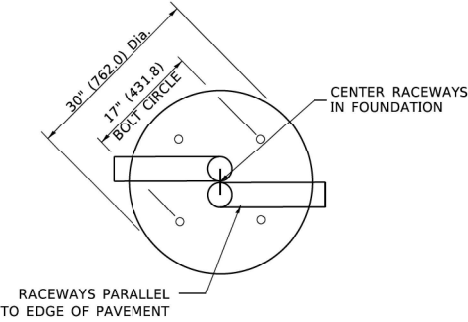
	USER NAME	= footemj	DESIGNED	-	RT	REVISED	-	02/10/2015	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMBINATION LIGHTING, TRAFFIC SIGNAL SCHEMATIC				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN	-		REVISED	-	10/13/2015		3512	2019-006-N	COOK	146	106				
	PLOT SCALE	= 50.0000' / in.	CHECKED	-	RT	REVISED	-	T.G. 4/12/2017		BE-240				CONTRACT NO. 62H87				
	PLOT DATE	= 10/7/2019	DATE	-	08/18/2014	REVISED	-	R. TOMSONS 3/22/18		SCALE: NONE				SHEET 1	OF 1	SHEETS	STA.	TO STA.

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 Qu = 0.375 TON/SQ. FT.	13'-0" (3.96 m)	15'-0" (4.57 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	9'-6" (2.09 m)	10'-9" (3.23 m)
STIFF CLAY Qu = 1.50 TON/SQ. 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)	9'-0" (2.74 m)



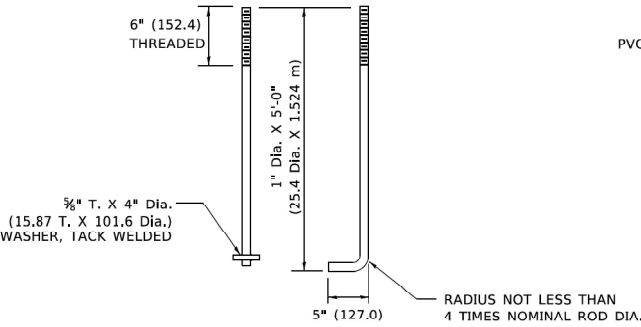
TOP VIEW



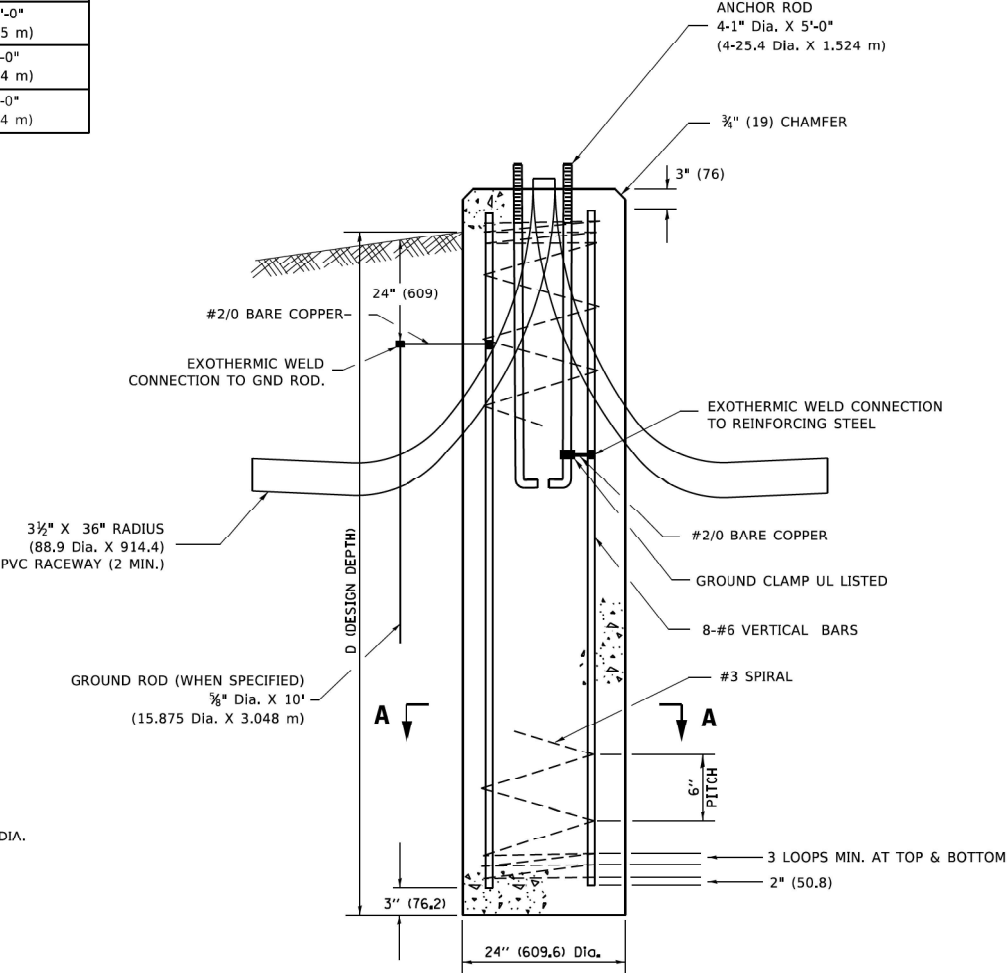
TOP VIEW

NOTES

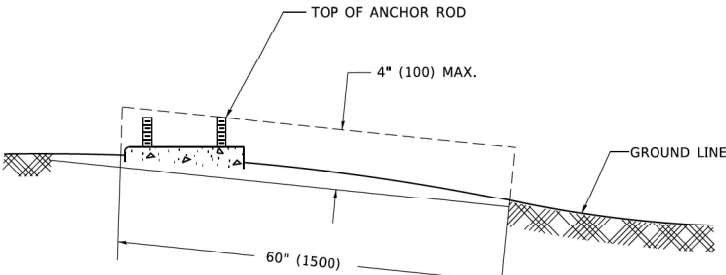
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, 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 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1135.
- 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 23#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.



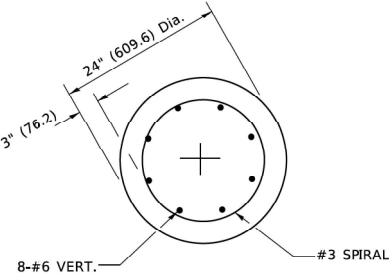
ANCHOR ROD DETAIL



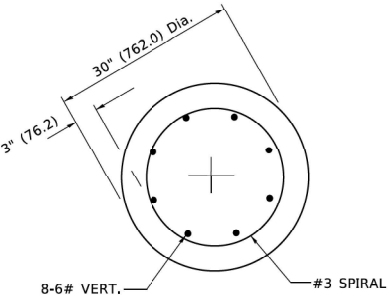
FOUNDATION DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A



SECTION A-A

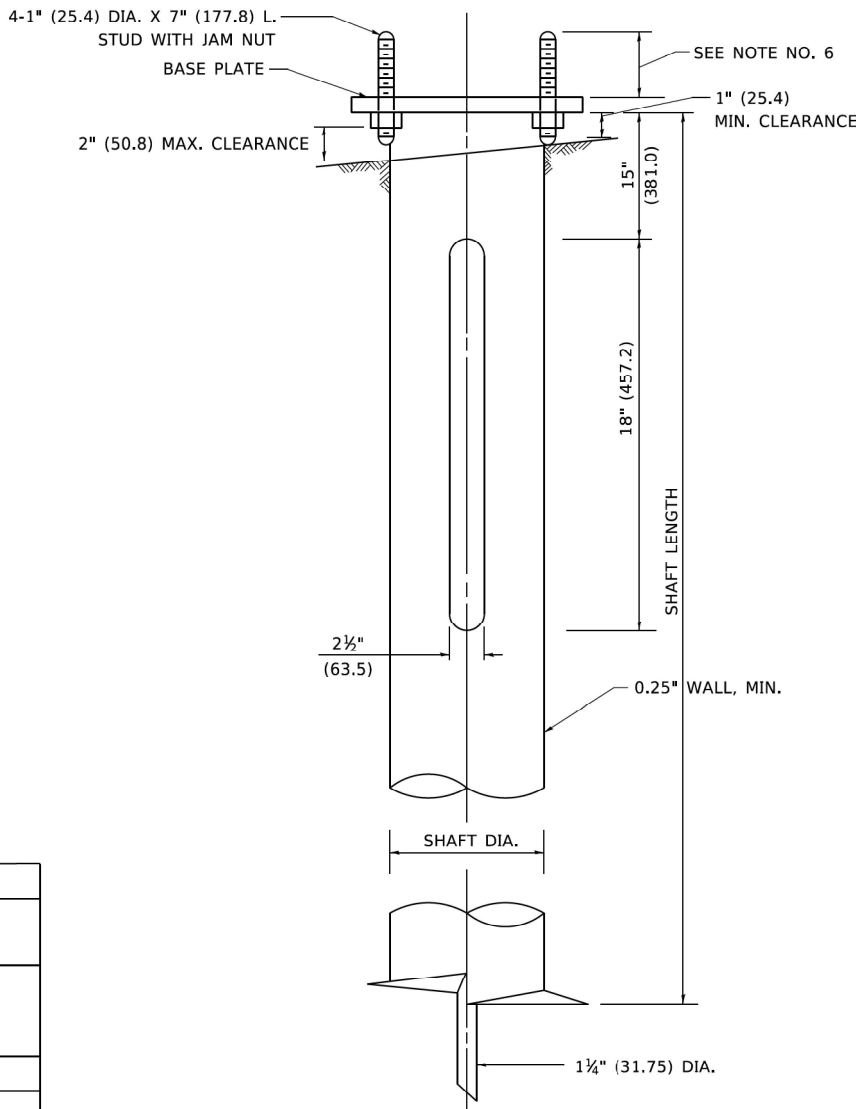
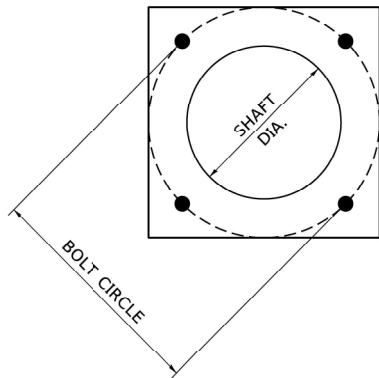
USER NAME = footemj	DESIGNED -	REVISED - 04-22-02
	DRAWN -	REVISED -
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 4/19/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION
40' (12.192 m) TO 47' 1/2' (14.478 m) M.H. 15" (381 mm) BOLT CIRCLE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	107
BE-301		CONTRACT NO. 62H87		
ILLINOIS		FED. AID PROJECT		



HELIX FOUNDATION SIZE

POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
30 FT.	11½"	8⅝"	6 FT.	12"x12"x1"
31 FT.-35 FT.	11½"	8⅝"	6 FT.	12"x12"x1"
36 FT.-40FT.	15"	8⅝"	6 FT.	15"x15"x1¼"
41 FT.-45 FT.	15"	8⅝"	6 FT.	15"x15"x1¼"
46 FT.-50 FT.	15"	10"	8 FT.	15"x15"x1¼"

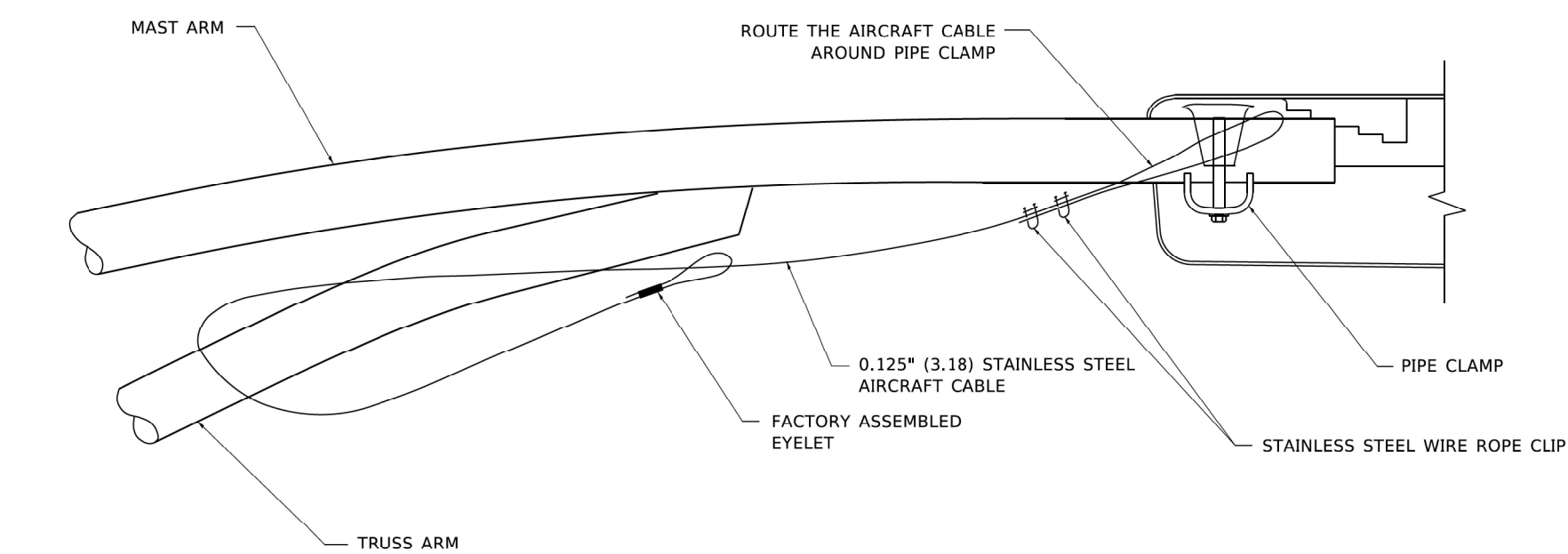
METAL HELIX FOUNDATION MATERIALS

ITEM	MATERIAL REQUIREMENT
BASEPLATE	AASHTO M 270M, GRADE 36 (M270M, GRADE 250)
SHAFT	ASTM A 252, GRADE 2 (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM)
HELIX SCREW	AASHTO M 183 (ASTM A 635)
PILOT POINT	AASHTO M 270 (ASTM A 575)
ANCHOR RODS/STUDS	AASHTO M 314 (ASTM F 1554)
HEXAGON NUTS	AASHTO M 291M (ASTM A 563) GRADE DH, OR AASHTO M 292 (ASTM A 194) GRADE 2H
WASHERS	AASHTO M 293 (ASTM F 436)

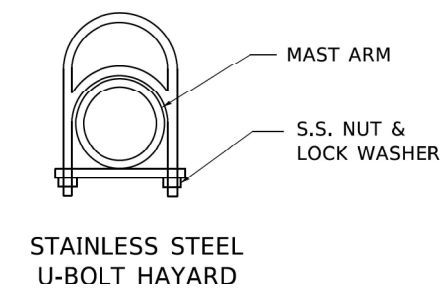
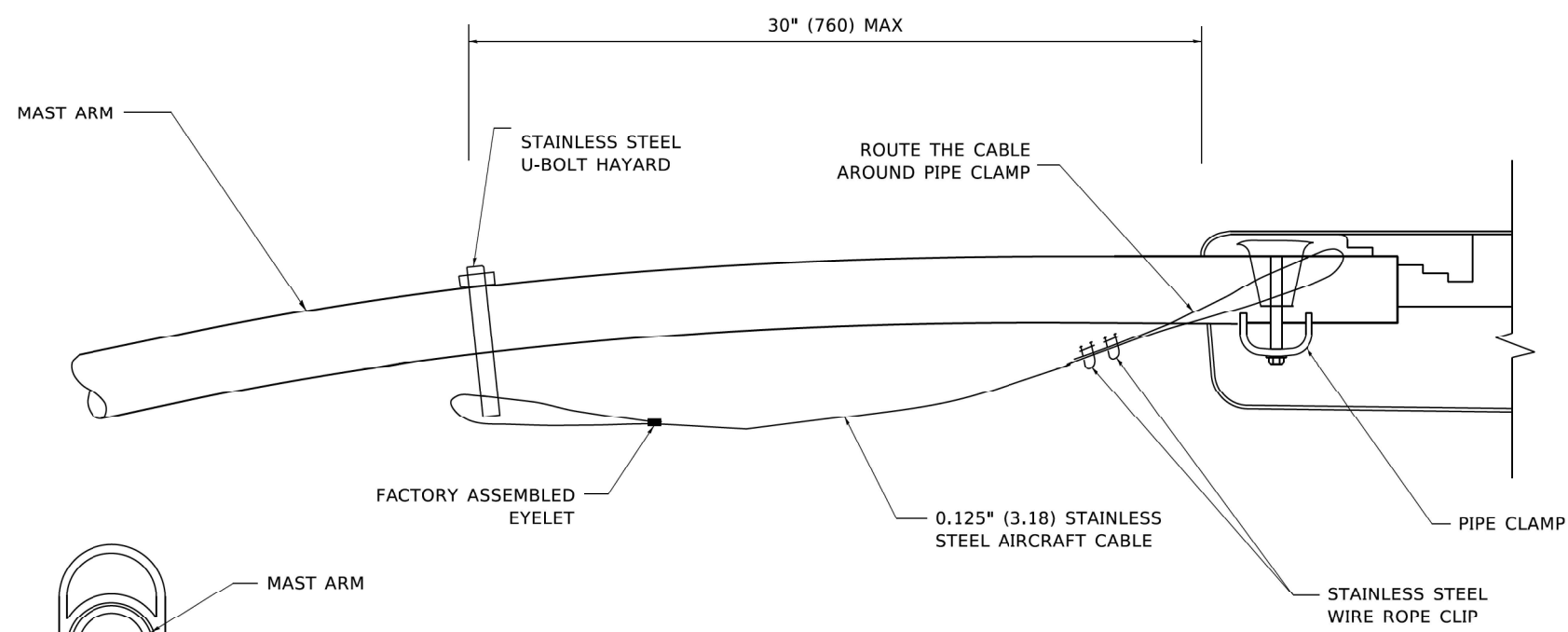
NOTES

- ALL DIMENSION IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- ALL MATERIAL SHALL BE GALVINIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
- ALL WELDS SHALL BE CONTINUOUS AND NOT LESS THAN 1#4" (6.35 mm) FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS (13558.18 n.m) OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
- THE HELIX FOUNDATION SHAFT SHALL BE INSTALLED VERTICAL AND THE BASE PLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASE PLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
- ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.
- METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDTION IS NOT ALLOWED.
- THE METAL FOUNDATION SHALL NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT LB (4,750 KNM). METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.
- THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS ($\pm 1^\circ$) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC (± 0.188) TO THE SHAFT AXIS.
- THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (± 0.125) AND IN LINE ($\pm 2^\circ$).
- THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.

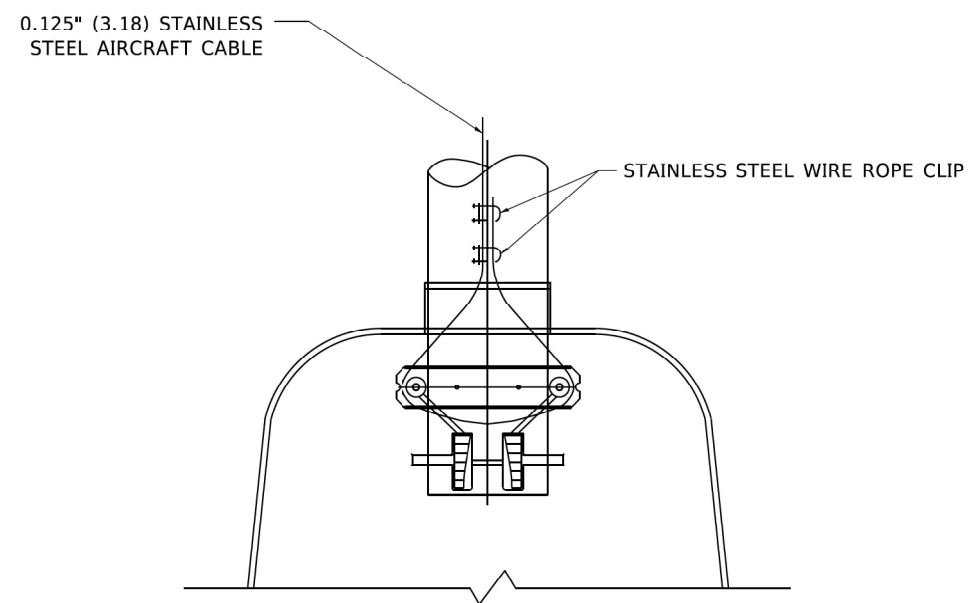
Model: Default
File Name: p:\projects\p\p\DOT\Documents\DOT - Offices\District 1\Projects\BLS\2223\1\CADData\CADsheets\Bz701.dgn



SIDE VIEW (TRUSS ARM)
N.T.S.



SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)
N.T.S.



BOTTOM VIEW
N.T.S.

- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
 2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
 3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
 4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.

FILE NAME: DWG	USER NAME = footemj	DESIGNED -	REVISED - 08-08-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LUMINAIRE SAFETY CABLE ASSEMBLY				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						3512	2019-006-N	COOK	146	110
	PLOT SCALE = 50.0000 ' / 1"	CHECKED -	REVISED -		BE-701		CONTRACT NO. 62H87						
	PLOT DATE = 4/19/2019	DATE -	REVISED -										
					SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				



EL-16

FILE NAME: PROJECT.DWG	USER NAME = footemj	DESIGNED -	REVISED - 08-08-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MISC. ELECTRICAL DETAILS SHEET A				F.A.U. RTG.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						3512	2019-006-N	COOK	146	111
	PLOT SCALE = 50,0000' = 1".	CHECKED -	REVISED -		BE-702				CONTRACT NO. 62H87				
	PLOT DATE = 4/19/2019	DATE -	REVISED -										
							SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.	



I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: 3/18/2020
SCOTT A. WECHTER
PROJECT MANAGER SAM, LLC

UTILITY OWNERS

COMED
ATTN: LISA ARGAST
COMED PUBLIC RELOCATION
LINCOLN CENTER ONE
630-437-3381
LISA.ARGAST@COMED.COM

COMCAST (RECORD NOT RECEIVED)
ATTN: ROBERT SCHULTER
688 INDUSTRIAL DRIVE
ELMHURST, IL 60126
224-229-5861
BOB_SCHULTER@CABLE.COMCAST.COM

CITY OF DES PLAINES
ATTN: HEATHER BOYLE
1420 MINER STREET, ROOM 504
DES PLAINES, IL 60016
847-827-2316
hboyle@desplaines.org

VILLAGE OF MOUNT PROSPECT PUBLIC WORKS
ATTN: DONNA BROWN
1700 W. CENTRAL RD.
MOUNT PROSPECT, IL 60056
O: 847-870-5640
C: 847-875-5478
DBrown@mountprospect.org

WIDE OPEN WEST (WOW)
ATTN: PAUL FLINKOW
1674 FRONTENAC ROAD
NAPERVILLE, IL 60563
630-536-3139
paul.flinkow@wowinc.com

UNION PACIFIC RAILROAD
(RECORDS NOT RECEIVED)

AT&T TRANSMISSION
ATTN: MR. KEN COLWELL
SR. TECH PROJECT MGMT
222 W. JACKSON
WOODSTOCK, IL 60098
312-734-2223
C: 630-383-9249
kc1298@att.com

VERIZONBUSINESS (MCI)
(RECORDS NOT RECEIVED)
investigations@verizon.com

AT&T LEGAL MANDATE
ENGINEERING
ATTN: URM PICONE
1000 COMMERCE DRIVE
OAK BROOK, IL 60523
UB2591@ATT.COM

NICOR GAS
ATTN: BRUCE KOPPANG
1844 FERRY ROAD
NAPERVILLE, IL 60563
630-388-3046
bkoppang@southernco.com

D162H87-SUE.DGN	Designed By: G.M./C.K.
Scale: 1"=50'	Drafted By: J.B.
Sheet: 1	Checked By: S.W./L.P.
Date:3/18/2020	10180453281 WORK ORDER No. 137

0 50 100 150
SCALE IN FEET
24 x 36 = 1":50'
11 x 17 = 1":100'



LEGEND

ALL UTILITY INFORMATION HEREON IS DEPICTED TO QUALITY LEVEL "B" (OL-B) UNLESS OTHERWISE NOTED. OL-B INFORMATION IS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO IDENTIFY THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES. OL-B DATA ARE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES AND REDUCED ONTO PLAN DOCUMENTS.
SIZE INFORMATION SHOWN HEREON IS TAKEN FROM AVAILABLE UTILITY RECORDS.

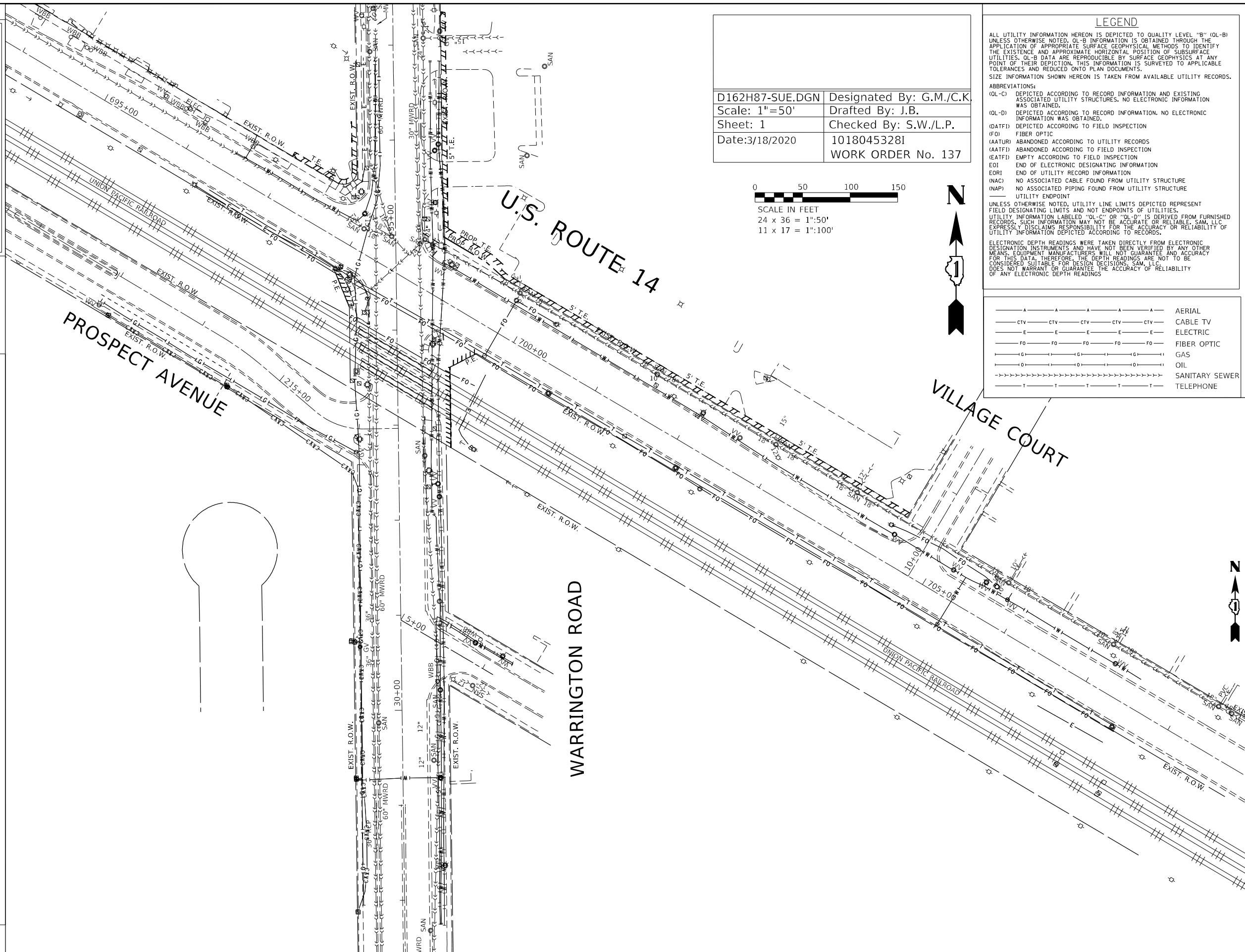
ABBREVIATIONS:

(OL-C) DEPICTED ACCORDING TO RECORD INFORMATION AND EXISTING ASSOCIATED UTILITY STRUCTURES. NO ELECTRONIC INFORMATION WAS OBTAINED.
(OL-D) DEPICTED ACCORDING TO RECORD INFORMATION. NO ELECTRONIC INFORMATION WAS OBTAINED.
(DATFI) DEPICTED ACCORDING TO FIELD INSPECTION
(FO) FIBER OPTIC
(AATURI) ABANDONED ACCORDING TO UTILITY RECORDS
(AATFI) ABANDONED ACCORDING TO FIELD INSPECTION
(EATFI) EMPTY ACCORDING TO FIELD INSPECTION
EOI END OF ELECTRONIC DESIGNATING INFORMATION
EORI END OF UTILITY RECORD INFORMATION
(NAC) NO ASSOCIATED CABLE FOUND FROM UTILITY STRUCTURE
(NAP) NO ASSOCIATED PIPING FOUND FROM UTILITY STRUCTURE
UTILITY ENDPOINT

UNLESS OTHERWISE NOTED, UTILITY LINE LIMITS DEPICTED REPRESENT FIELD DESIGNATING LIMITS AND NOT ENDPOINTS OF UTILITIES.
UTILITY INFORMATION LABELED "OL-C" OR "OL-D" IS DERIVED FROM FURNISHED RECORDS. SUCH INFORMATION MAY NOT BE ACCURATE OR RELIABLE. SAM, LLC EXPRESSLY DISCLAIMS RESPONSIBILITY FOR THE ACCURACY OR RELIABILITY OF UTILITY INFORMATION DEPICTED ACCORDING TO RECORDS.

ELECTRONIC DEPTH READINGS WERE TAKEN DIRECTLY FROM ELECTRONIC DESIGNATION INSTRUMENTS AND HAVE NOT BEEN VERIFIED BY ANY OTHER MEANS. EQUIPMENT MANUFACTURERS WILL NOT GUARANTEE AND ACCURACY FOR THIS DATA. THEREFORE, THE DEPTH READINGS ARE NOT TO BE CONSIDERED SUITABLE FOR DESIGN DECISIONS. SAM, LLC DOES NOT WARRANT OR GUARANTEE THE ACCURACY OR RELIABILITY OF ANY ELECTRONIC DEPTH READINGS

— A —	AERIAL
— CTV —	CABLE TV
— E —	ELECTRIC
— FO —	FIBER OPTIC
— G —	GAS
— O —	OIL
— T —	TELEPHONE
— SAN —	SANITARY SEWER



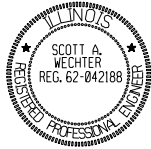
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSURFACE UTILITY ENGINEERING SURVEY
US 14 AT MT. PROSPECT (EXISTING)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	112
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				

USER NAME = diana	DESIGNED -	REVISED -
PLOT SCALE = 100,000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 6/28/2021	CHECKED -	REVISED -
	DATE -	REVISED -



I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: 3/18/2020
SCOTT A. WECHTER
PROJECT MANAGER SAM, LLC

UTILITY OWNERS

COMED
ATTN: LISA ARGAST
COMED PUBLIC RELOCATION
LINCOLN CENTER ONE
630-437-3381
LISA.ARGAST@COMED.COM

COMCAST (RECORD NOT RECEIVED)
ATTN: ROBERT SCHULTER
688 INDUSTRIAL DRIVE
ELMHURST, IL 60126
224-229-5861
BOB_SCHULTER@CABLE.COMCAST.COM

CITY OF DES PLAINES
ATTN: HEATHER BOYLE
1420 MINER STREET, ROOM 504
DES PLAINES, IL 60016
847-827-2316
hboyle@desplaines.org

VILLAGE OF MOUNT PROSPECT PUBLIC WORKS
ATTN: DONNA BROWN
1700 W. CENTRAL RD.
MOUNT PROSPECT, IL 60056
O: 847-870-5640
C: 847-875-5478
DBrown@mountprospect.org

WIDE OPEN WEST (WOW)
ATTN: PAUL FLINKOW
1674 FRONTENAC ROAD
NAPERVILLE, IL 60563
630-536-3139
paul.flinkow@wowinc.com

UNION PACIFIC RAILROAD
(RECORDS NOT RECEIVED)

AT&T TRANSMISSION
ATTN: MR. KEN COLWELL
SR. TECH PROJECT MGMT
222 W. JACKSON
WOODSTOCK, IL 60098
312-734-2223
C: 630-383-9249
kc1298@att.com

VERIZONBUSINESS (MCI)
(RECORDS NOT RECEIVED)
investigations@verizon.com

AT&T LEGAL MANDATE
ENGINEERING
ATTN: URMICICONE
1000 COMMERCE DRIVE
OAK BROOK, IL 60523
UB2591@ATT.COM

NICOR GAS
ATTN: BRUCE KOPPANG
1844 FERRY ROAD
NAPERVILLE, IL 60563
630-388-3046
bkoppang@southernco.com

D162H87-SUE.DGN	Designed By: G.M./C.K.
Scale: 1"=50'	Drafted By: J.B.
Sheet: 1	Checked By: S.W./L.P.
Date:3/18/2020	10180453281 WORK ORDER No. 137

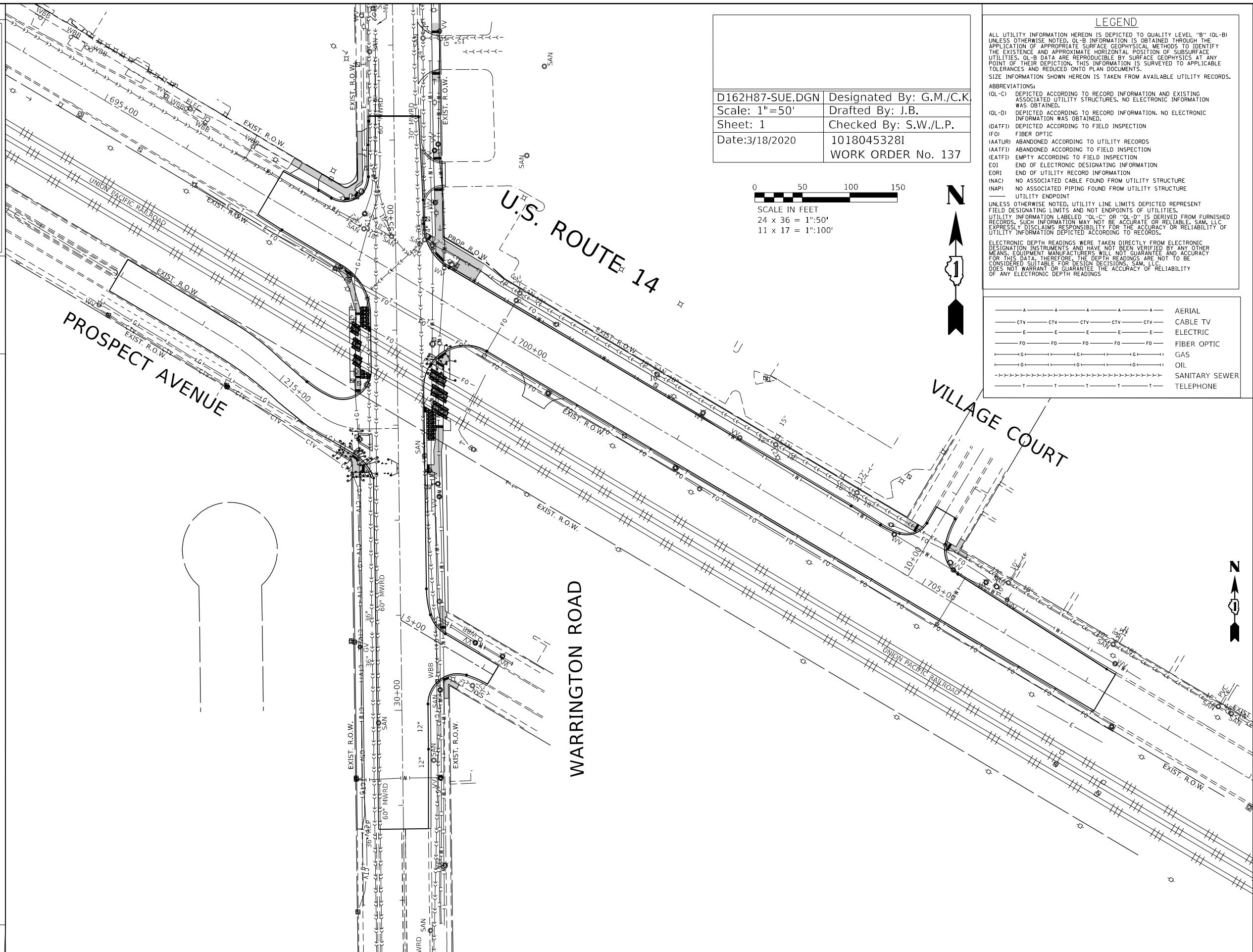
0 50 100 150
SCALE IN FEET
24 x 36 = 1":50'
11 x 17 = 1":100'



LEGEND

ALL UTILITY INFORMATION HEREON IS DEPICTED TO QUALITY LEVEL "B" (OL-B) UNLESS OTHERWISE NOTED. OL-B INFORMATION IS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO IDENTIFY THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES. OL-B DATA ARE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES AND REDUCED ONTO PLAN DOCUMENTS.
SIZE INFORMATION SHOWN HEREON IS TAKEN FROM AVAILABLE UTILITY RECORDS.
ABBREVIATIONS:
(OL-C) DEPICTED ACCORDING TO RECORD INFORMATION AND EXISTING ASSOCIATED UTILITY STRUCTURES. NO ELECTRONIC INFORMATION WAS OBTAINED.
(OL-D) DEPICTED ACCORDING TO RECORD INFORMATION. NO ELECTRONIC INFORMATION WAS OBTAINED.
(DATFI) DEPICTED ACCORDING TO FIELD INSPECTION
(FOI) FIBER OPTIC
(AATURI) ABANDONED ACCORDING TO UTILITY RECORDS
(AATFI) ABANDONED ACCORDING TO FIELD INSPECTION
(EATFI) EMPTY ACCORDING TO FIELD INSPECTION
EOI END OF ELECTRONIC DESIGNATING INFORMATION
EORI END OF UTILITY RECORD INFORMATION
(NAC) NO ASSOCIATED CABLE FOUND FROM UTILITY STRUCTURE
(NAP) NO ASSOCIATED PIPING FOUND FROM UTILITY STRUCTURE
UTILITY ENDPOINT
UNLESS OTHERWISE NOTED, UTILITY LINE LIMITS DEPICTED REPRESENT FIELD DESIGNATING LIMITS AND NOT ENDPOINTS OF UTILITIES.
UTILITY INFORMATION LABELED "OL-C" OR "OL-D" IS DERIVED FROM FURNISHED RECORDS. SUCH INFORMATION MAY NOT BE ACCURATE OR RELIABLE. SAM, LLC EXPRESSLY DISCLAIMS RESPONSIBILITY FOR THE ACCURACY OR RELIABILITY OF UTILITY INFORMATION DEPICTED ACCORDING TO RECORDS.
ELECTRONIC DEPTH READINGS WERE TAKEN DIRECTLY FROM ELECTRONIC DESIGNATION INSTRUMENTS AND HAVE NOT BEEN VERIFIED BY ANY OTHER MEANS. EQUIPMENT MANUFACTURERS WILL NOT GUARANTEE AND ACCURACY FOR THIS DATA. THEREFORE, THE DEPTH READINGS ARE NOT TO BE CONSIDERED SUITABLE FOR DESIGN DECISIONS. SAM, LLC DOES NOT WARRANT OR GUARANTEE THE ACCURACY OR RELIABILITY OF ANY ELECTRONIC DEPTH READINGS

— A — A — A — A — A — A —	AERIAL
— CTV — CTV — CTV — CTV — CTV — CTV —	CABLE TV
— E — E — E — E — E — E —	ELECTRIC
— FO — FO — FO — FO — FO — FO —	FIBER OPTIC
— G — G — G — G — G — G —	GAS
— O — O — O — O — O — O —	OIL
— S — S — S — S — S — S —	SANITARY SEWER
— T — T — T — T — T — T —	TELEPHONE



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSURFACE UTILITY ENGINEERING SURVEY
US 14 AT MT. PROSPECT (PROPOSED)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	113
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				

USER NAME = dilaia	DESIGNED -	REVISED -
PLOT SCALE = 100,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 6/28/2021	CHECKED -	REVISED -
	DATE -	REVISED -

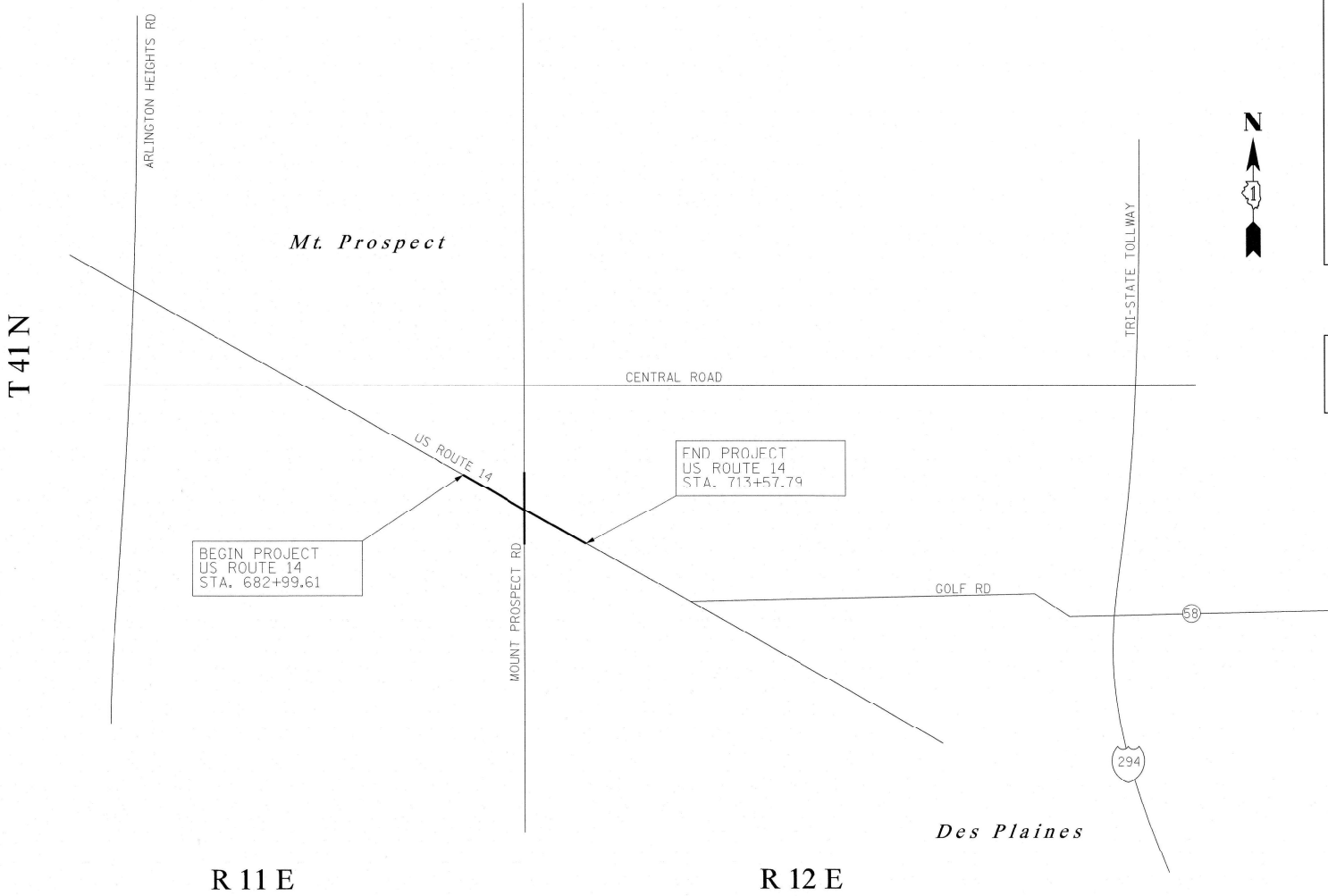
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAT OF HIGHWAYS

US ROUTE 14
SECTION
COOK COUNTY
LIMITS AT MOUNT PROSPECT ROAD

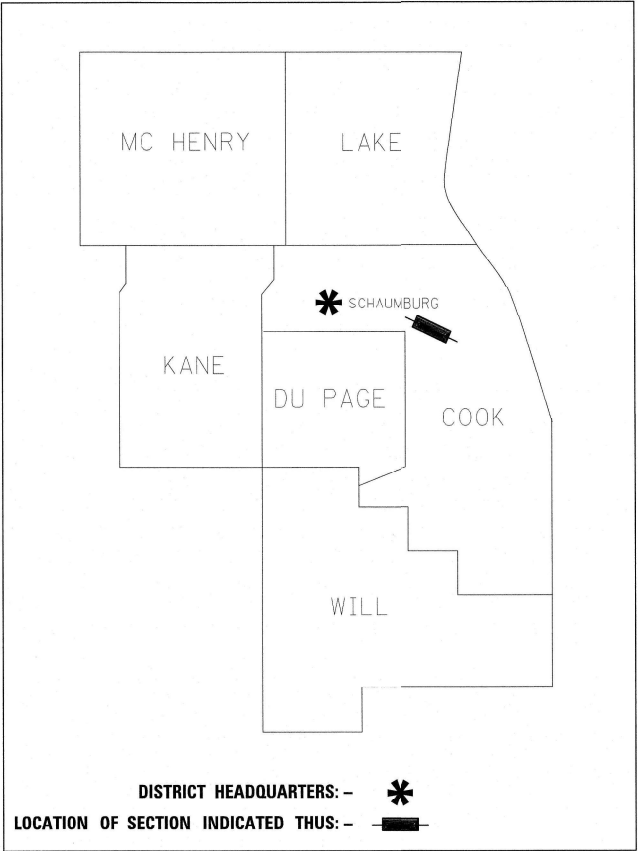
R-90-012-17

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
OM60001TE	ZERVOS PROPERTIES, LLC	2	
OM60002PE	UNION PACIFIC RAILROAD COMPANY	3	
OM60003PE	UNION PACIFIC RAILROAD COMPANY	3	
CM60004 OM60004TE-A OM60004TE-B	DES PLAINES COMMUNITY SENIOR CENTER	2, 4	
OM60005TE	PARTNERSHIP FINANCIAL CREDIT UNION, AN ILLINOIS CHARTERED CREDIT UNION	4	



LOCATION MAP

GROSS LENGTH = 3058.18 FT. = 0.579 MILE



PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

RT
&A

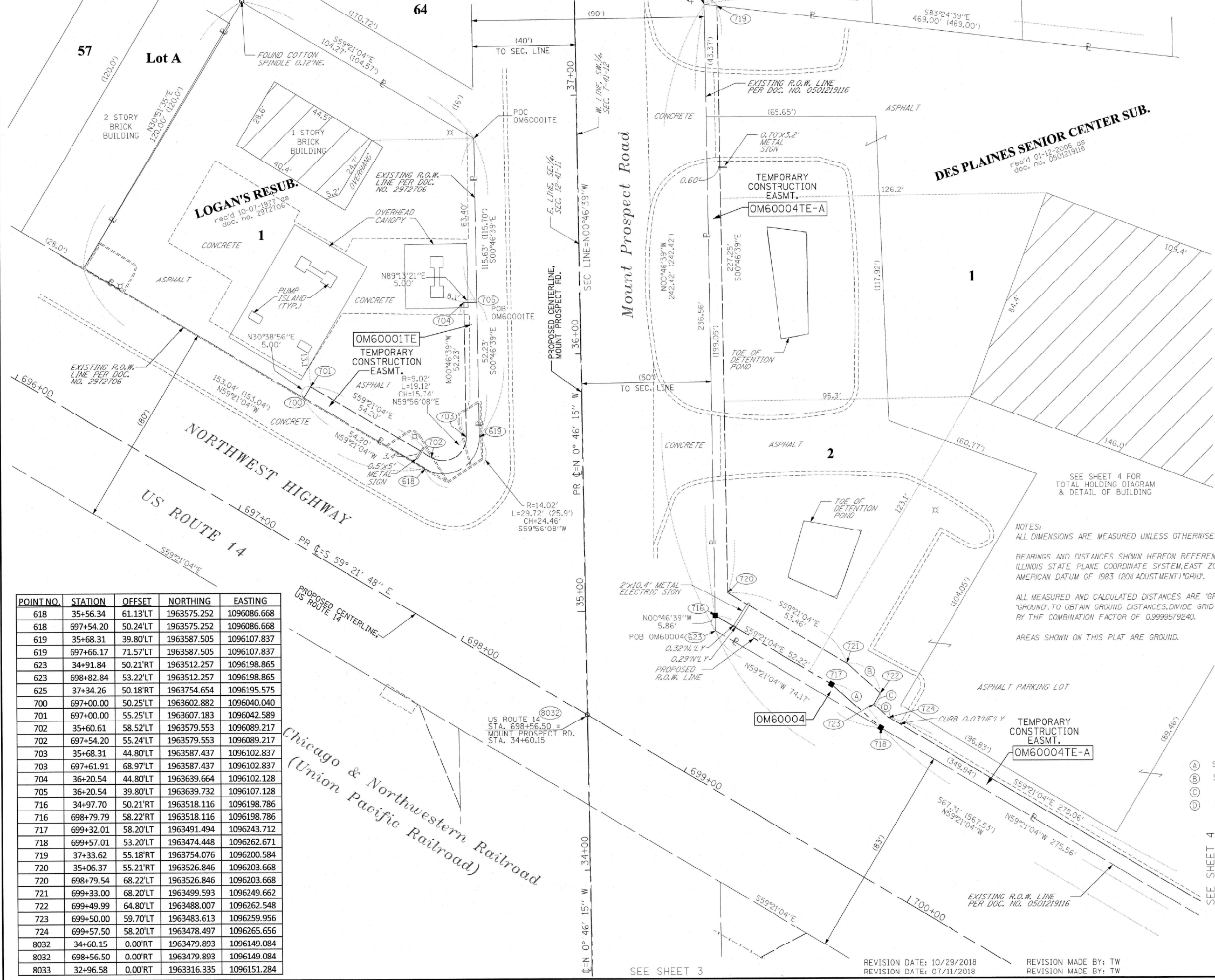
Ruettiger, Tonelli & Associates, Inc.
Surveyors • Engineers • Planners • Landscape Architects • GIS Consultants
129 CAPISTA DRIVE • SHOREWOOD, ILLINOIS 60404
PH. (815) 744-6600 FAX (815) 744-0101
website: www.ruettigertonnelli.com

R.T. & A. Dwg. No.: 2018-0192.00

IDOT USE ONLY
SS
RECEIVED
NOV 20 2018
PLATS & LEGALS

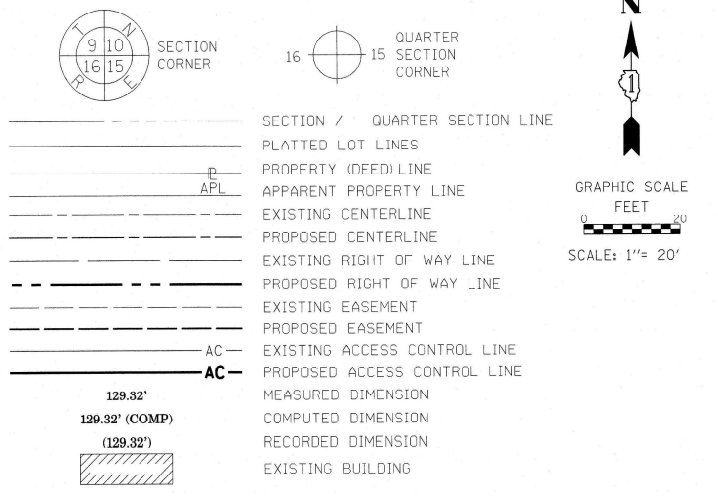
PART OF THE SE.1/4 OF SECTION 12, TWP. 41N., R. 11E. AND PART OF THE SW.1/4, SECTION 7, TWP. 41N., R. 12E. OF THE 3RD. P.M., COOK COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	SQUARE FEET	PARCEL INDEX NUMBER
OM60001TE	0.386	N/A	N/A	0.386	0.015	N/A	08-12-405-039
OM60004	3.980	0.007	N/A	3.973	0.075	N/A	09-07-314-016
OM60004TE-A		316 S.F.			0.004	175 S.F.	09-07-314-015



POINT NO.	STATION	OFFSET	NORTHING	EASTING
618	35+56.34	61.13'LT	1963575.252	1096086.668
618	697+54.20	50.24'LT	1963575.252	1096086.668
619	35+68.31	39.80'LT	1963587.505	1096107.837
619	697+66.17	71.57'LT	1963587.505	1096107.837
623	34+91.84	50.21'RT	1963512.257	1096198.865
623	698+82.84	53.22'LT	1963512.257	1096198.865
625	37+34.26	50.18'RT	1963754.654	1096195.575
700	697+00.00	50.25'LT	1963602.882	1096040.040
701	697+00.00	55.25'LT	1963607.183	1096042.589
702	35+60.61	58.52'LT	1963579.553	1096089.217
702	697+54.20	55.24'LT	1963579.553	1096089.217
703	35+68.31	44.80'LT	1963587.437	1096102.837
703	697+61.91	68.97'LT	1963587.437	1096102.837
704	36+20.54	44.80'LT	1963639.664	1096102.128
705	36+20.54	39.80'LT	1963639.732	1096107.128
716	34+97.70	50.21'RT	1963518.116	1096198.786
716	698+79.79	58.22'RT	1963518.116	1096198.786
717	699+32.01	58.20'LT	1963491.494	1096243.712
718	699+57.01	53.20'LT	1963474.448	1096262.671
719	37+33.62	55.18'RT	1963754.076	1096200.584
720	35+06.37	55.21'RT	1963526.846	1096203.668
720	698+79.54	68.22'LT	1963526.846	1096203.668
721	699+33.00	68.20'LT	1963499.593	1096249.662
722	699+49.99	64.80'LT	1963488.007	1096262.548
723	699+50.00	59.70'LT	1963483.613	1096259.956
724	699+57.50	58.20'LT	1963478.497	1096265.656
8032	34+60.15	0.00'RT	1963479.893	1096149.084
8032	698+56.50	0.00'RT	1963479.893	1096149.084
8033	32+96.58	0.00'RT	1963316.335	1096151.284

LEGEND



- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- 'MAG' NAIL SET
- 5 / 8" REBAR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIF FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1, BT2, BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIF FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101-02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET
- STATE OF ILLINOIS)
- COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, KENNETH J. PESAVENTO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001251), HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 12, TOWNSHIP 41 NORTH, RANGE 11 EAST AND IN SECTION 7, TOWNSHIP 41 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____, ILLINOIS THIS ____ DAY OF _____, 20__ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425
LICENSE EXPIRATION DATE: 11-30-2020

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

RT & A
Ruettiger, Tonelli & Associates, Inc.
Surveyors • Engineers • Planners • Landscape Architects • GIS Consultants
129 CAPISTA DRIVE • SHOREWOOD, ILLINOIS 60064
PH: (815) 744-6600 FAX: (815) 744-0101
website: www.ruettigertonnelli.com
R.T. & A. Dwg. No.: 2018-0192.00

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
US ROUTE 14

LIMITS: @ MOUNT PROSPECT RD COUNTY: COOK
SECTION: JOB NO.: R-90-012-17

STA. 696+00 TO STA. 700+00
SCALE: 1"=20' SHEET 2 OF 4 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT USE ONLY
RECEIVED
NOV 20 2018
PLATS & LEGALS

REVISION DATE: 10/29/2018
REVISION DATE: 07/11/2018
REVISION MADE BY: TW
REVISION MADE BY: TW

PART OF THE SE.1/4 OF SECTION 12, TWP. 41N., R. 11E. AND PART OF THE SW.1/4, SECTION 7, TWP. 41N., R. 12E. OF THE 3RD. P.M., COOK COUNTY, ILLINOIS.

LEGEND



SECTION CORNER

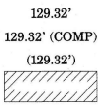


QUARTER SECTION CORNER



GRAPHIC SCALE
FEET
0 20
SCALE: 1"= 20'

- SECTION / QUARTER SECTION LINE
PLATTED LOT LINES
PROPERTY (DEED) LINE
APPL
APPARENT PROPERTY LINE
EXISTING CENTERLINE
PROPOSED CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORDED DIMENSION
EXISTING BUILDING



- IRON PIPE OR ROD FOUND
CUT CROSS FOUND OR SET
T1
T2
T3
BT1
BT2
BT3
M
PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101-02 (TO BE SET BY OTHERS)
RIGHT OF WAY STAKING PROPOSED TO BE SET
STATE OF ILLINOIS)
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, KENNETH J. PESAVENTO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001251) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 12, TOWNSHIP 41 NORTH, RANGE 11 EAST AND IN SECTION 7, TOWNSHIP 41 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____, ILLINOIS THIS ____ DAY OF _____ 20__ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425
LICENSE EXPIRATION DATE: 11-30-2020

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



Ruettiger, Tonelli & Associates, Inc.
Surveyors • Engineers • Planners • Landscape Architects • GIS Consultants
129 CAPRISTA DRIVE • SKOKIE, ILLINOIS 60076
PH (815) 744-6600 FAX (815) 744-0101
website: www.ruettigertonnelli.com
R.T. & A. Dwg. No.: 2018-0192.00

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
US ROUTE 14

LIMITS: @ MOUNT PROSPECT RD COUNTY: COOK
SECTION: JOB NO.: R-90-012-17
STA. 697+00 TO STA. 702+55.00
SCALE: 1"=20' SHEET 3 OF 4 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

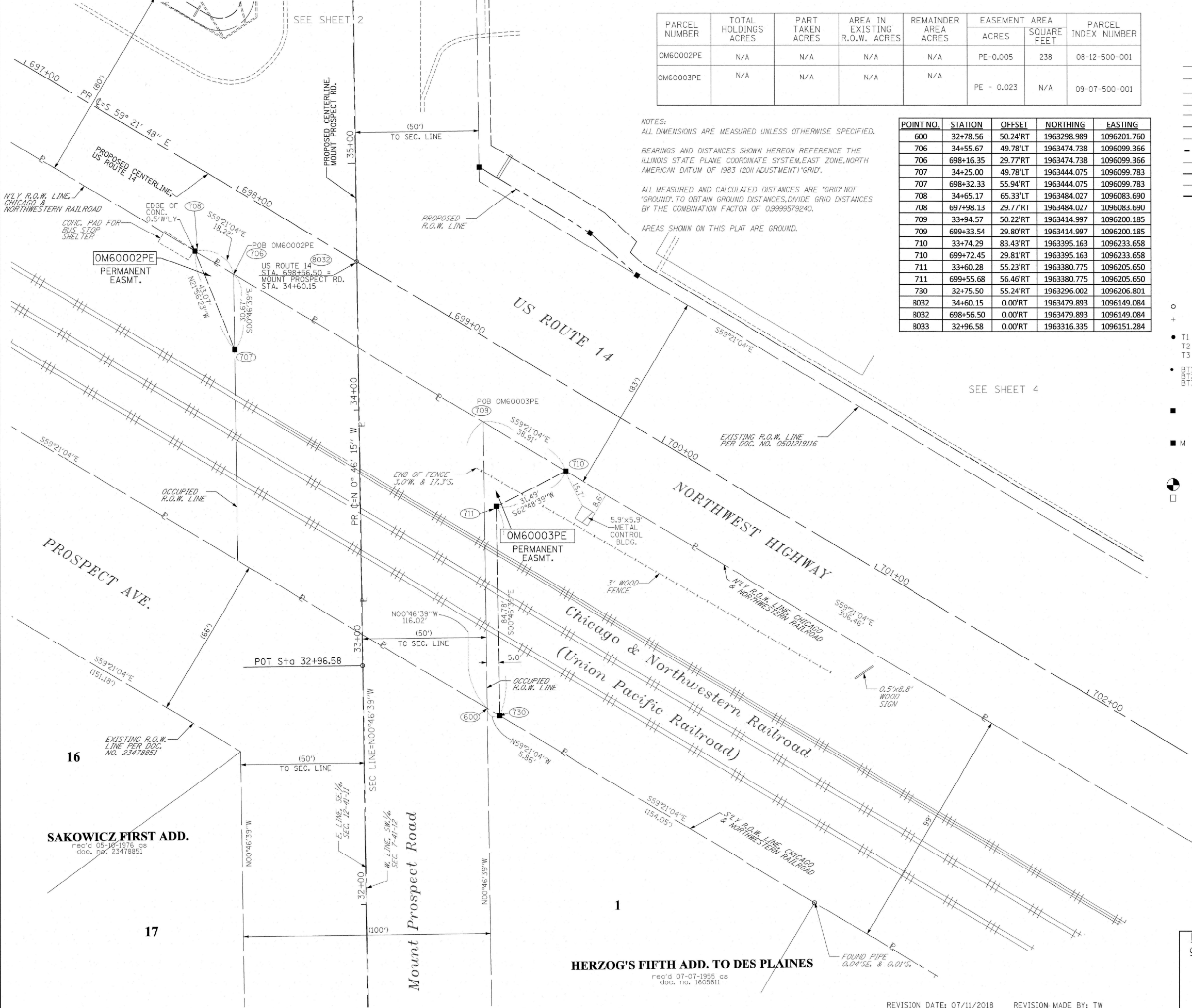
IDOT USE ONLY
SS
RECEIVED
NOV 20 2018
PLATS & LEGALS

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
OM60002PE	N/A	N/A	N/A	N/A	PE-0.005	238	08-12-500-001
OM60003PE	N/A	N/A	N/A	N/A	PE - 0.023	N/A	09-07-500-001

NOTES:
ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999579240.
AREAS SHOWN ON THIS PLAT ARE GROUND.

POINT NO.	STATION	OFFSET	NORTHING	EASTING
600	32+78.56	50.24'RT	1963298.989	1096201.760
706	34+55.67	49.78'LT	1963474.738	1096099.366
706	698+16.35	29.77'RT	1963474.738	1096099.366
707	34+25.00	49.78'LT	1963444.075	1096099.783
707	698+32.33	55.94'RT	1963444.075	1096099.783
708	34+65.17	65.33'LT	1963484.027	1096083.690
708	697+98.13	29.77'RT	1963484.027	1096083.690
709	33+94.57	50.22'RT	1963414.997	1096200.185
709	699+33.54	29.80'RT	1963414.997	1096200.185
710	33+74.29	83.43'RT	1963395.163	1096233.658
710	699+72.45	29.81'RT	1963395.163	1096233.658
711	33+60.28	55.23'RT	1963380.775	1096205.650
711	699+55.68	56.46'RT	1963380.775	1096205.650
730	32+75.50	55.24'RT	1963296.002	1096206.801
8032	34+60.15	0.00'RT	1963479.893	1096149.084
8032	698+56.50	0.00'RT	1963479.893	1096149.084
8033	32+96.58	0.00'RT	1963316.335	1096151.284

SEE SHEET 4

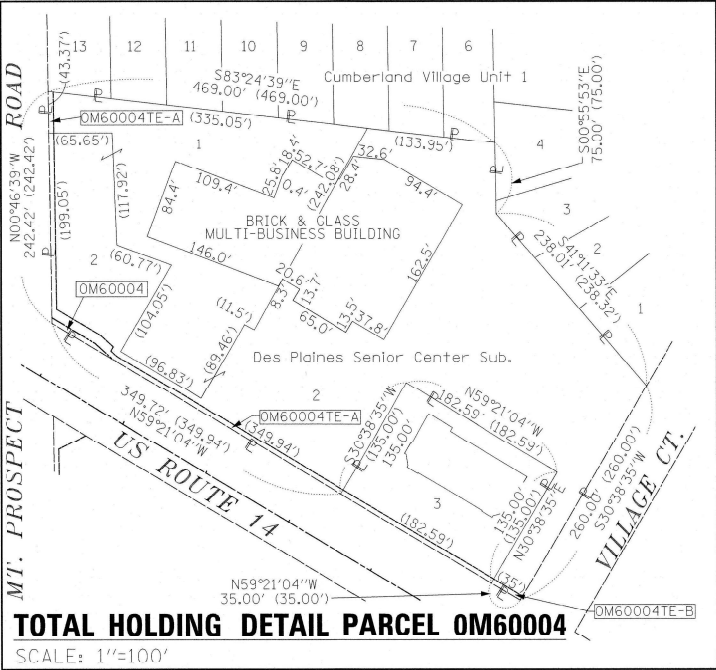
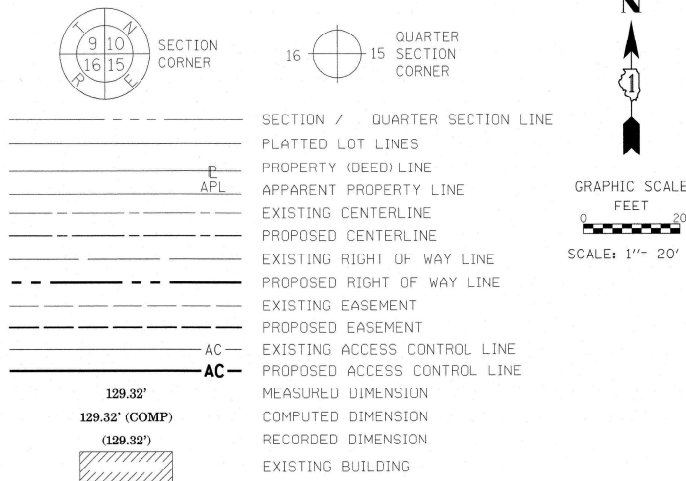


HERZOG'S FIFTH ADD. TO DES PLAINES
rec'd 07-07-1955, as
doc. no. 1603811

REVISION DATE: 07/11/2018 REVISION MADE BY: TW

PART OF THE SW.1/4, SECTION 7, TWP. 41N., R. 12E. OF THE 3RD. P.M., COOK COUNTY, ILLINOIS.

LEGEND



POINT NO.	STATION	OFFSET	NORTHING	EASTING
622	704+50.15	53.09'LT	1963223.054	1096686.927
628	704+15.15	53.10'LT	1963240.896	1096656.816
631	702+32.56	53.14'LT	1963333.977	1096499.733
725	704+50.15	58.09'LT	1963227.356	1096689.476
727	704+15.15	58.10'LT	1963245.198	1096659.365
728	702+32.56	58.14'LT	1963338.278	1096502.281

- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- *MAG' NAIL SET
- 5 / 8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY T3 COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 BT2 BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101-02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, KENNETH J. PESAVANTO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001251) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 7, TOWNSHIP 41 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____, ILLINOIS THIS ____ DAY OF _____ 20 ____ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425
LICENSE EXPIRATION DATE: 11-30-2020

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT
ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



Ruettiger, Tonelli & Associates, Inc.
Surveyors • Engineers • Planners • Landscape Architects • GIS Consultants
129 CARPATA DRIVE • SKOKIEWOOD, ILLINOIS 60004
PH (815) 744-6600 FAX (815) 744-0101
website: www.ruettigertonnelli.com
R.T. & A. Dwg. No.: 2018-0192.00

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
US ROUTE 14

LIMITS: @ MOUNT PROSPECT RD COUNTY: COOK
SECTION: JOB NO.: R-90-012-17
STA. 701+00 TO STA. 704+50.15
SCALE: 1"=20' SHEET 4 OF 4 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

CONTRACT NO. 62H87 TOTAL SHEETS 146 SHEET NO. 117

NORTHWEST HIGHWAY
Chicago & Northwestern Railroad
(Union Pacific Railroad)

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
OM60004 OM60004TE-A OM60004TE-B	3.980	0.007 316 S.F.	N/A	3.973	0.075 0.004	N/A 175 S.F.	09-07-314-016 09-07-314-015
OM60005TE	0.566	N/A	N/A	0.566	0.021	N/A	09-07-314-017

REVISION DATE: 10/29/2018
REVISION DATE: 07/11/2018
REVISION MADE BY: TW
REVISION MADE BY: TW

Page 1 of 1

Date 1/8/21

ROUTE	FAU 3512	DESCRIPTION	US 14 at Mount Prospect Road	LOGGED BY	M. Esposito
-------	----------	-------------	------------------------------	-----------	-------------

SECTION	2019-006-N	LOCATION	East side of, SEC. 12, TWP. 41N, RNG. 11E, 3rd PM, Latitude 42°3'24.1308", Longitude -87°55'18.1236"
----------------	------------	-----------------	--

COUNTY	Cook	DRILLING METHOD	HSA	HAMMER TYPE	Auto
--------	------	-----------------	-----	-------------	------

SOIL BORING US 14 AT MOUNT PROSPECT.GPJ L_DOT.GDT 1/27/21

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Page 1 of 1

Date 1/13/21

ROUTE	FAU 3512	DESCRIPTION	US 14 at Mount Prospect Road	LOGGED BY	M. Esposito
--------------	----------	--------------------	------------------------------	------------------	-------------

SECTION	2019-006-N	LOCATION	West side of, SEC. 7, TWP. 41N, RNG. 12E, 3rd PM, Latitude 42°3'22.968", Longitude -87°55'15.744"
----------------	------------	-----------------	---

COUNTY Cook DRILLING METHOD HSA HAMMER TYPE Auto

SOIL BORING US 14 AT MOUNT PROSPECT.GPJ IL_DOT.GDT 1/27/21

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

USER NAME = diazio	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED -	REVISED -
PLOT DATE = 6/28/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
US 14 AT MT. PROSPECT

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2016-006-N	COOK	146	118
		CONTRACT NO. 62H87		
ILLINOIS		FED. AID PROJECT		

Page 1 of 1

Date 1/7/21

ROUTE	<u>FAU 3512</u>	DESCRIPTION	<u>US 14 at Mount Prospect Road</u>	LOGGED BY	<u>M. Esposito</u>
--------------	-----------------	--------------------	-------------------------------------	------------------	--------------------

SECTION	2019-006-N	LOCATION	West side of, SEC. 7, TWP. 41N, RNG. 12E, 3rd PM, Latitude 42°3'21.78", Longitude -87°55'12.8748"
----------------	------------	-----------------	---

COUNTY Cook DRILLING METHOD HSA HAMMER TYPE Auto

SOIL BORING US 14 AT MOUNT PROSPECT.GPJ L_DOT.GDT 1/27/21

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Page 1 of 1

Date 1/7/21

ROUTE	FAU 3512	DESCRIPTION	US 14 at Mount Prospect Road	LOGGED BY	M. Esposito
--------------	----------	--------------------	------------------------------	------------------	-------------

SECTION	2019-006-N	LOCATION	West side of, SEC. 7, TWP. 41N, RNG. 12E, 3rd PM, Latitude 42°3'21.06", Longitude -87°55'10.1712"
----------------	------------	-----------------	---

COUNTY Cook DRILLING METHOD HSA HAMMER TYPE Auto

SOIL BORING US 14 AT MOUNT PROSPECT.GPJ IL_DOT.GDT 1,27/21

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

USER NAME = diale	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/28/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BORING LOGS
US 14 AT MT. PROSPECT

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2016-006-N	COOK	146	119
		CONTRACT NO. 62H87		
ILLINOIS		FED. AID PROJECT		

Page 1 of 1

Date 1/21/21

ROUTE	FAU 3512	DESCRIPTION	US 14 at Mount Prospect Road	LOGGED BY	M. Esposito
--------------	----------	--------------------	------------------------------	------------------	-------------

SECTION	2019-006-N	LOCATION	West side of, SEC. 7, TWP. 41N, RNG. 12E, 3rd PM, Latitude 42°3'20.5596", Longitude -87°55'16.32"
----------------	------------	-----------------	---

COUNTY	Cook	DRILLING METHOD	HSA	HAMMER TYPE	Auto
--------	------	-----------------	-----	-------------	------

STRUCT. NO. _____	-	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev. _____	NA	ft	
Station _____	-					Stream Bed Elev. _____	NA	ft	
BORING NO. _____	SB-5					Groundwater Elev.: _____			
Station _____	31+49					First Encounter _____	None	ft	
Offset _____	20.0 ft RT					Upon Completion _____	None	ft	
Ground Surface Elev. _____	657.15	ft	(ft)	(/6")	(tsf)	(%)	After _____ Hrs.	-	ft

SOIL BORING US 14 AT MOUNT PROSPECT.GPJ L_DOT.GDT 1/27/21

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Page 1 of 1Date 1/12/21

ROUTE	FAU 3512	DESCRIPTION	US 14 at Mount Prospect Road	LOGGED BY	M. Esposito
--------------	----------	--------------------	------------------------------	------------------	-------------

SECTION	2019-006-N	LOCATION	East side of, SEC. 12, TWP. 41N, RNG. 11E, 3rd PM, Latitude 42°3'22.5612", Longitude -87°55'17.814"
----------------	------------	-----------------	---

COUNTY	Cook	DRILLING METHOD	HSA	HAMMER TYPE	Auto
--------	------	-----------------	-----	-------------	------

STRUCT. NO. _____	-	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev.	NA	ft	
Station _____	-					Stream Bed Elev.	NA	ft	
BORING NO. _____	SB-6					Groundwater Elev.:			
Station _____	215+47					First Encounter	654.0	ft ▼	
Offset _____	19.0 ft LT					Upon Completion	None	ft	
Ground Surface Elev.	659.00	ft	(ft)	(/6")	(tsf)	(%)	After _____ Hrs.	-	ft

SOIL BORING US 14 AT MOUNT PROSPECT.GPJ IL_DOT.GDT 1,27/21

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

	USER NAME = diaza	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS US 14 AT MT. PROSPECT				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -						3512	2016-006-N	COOK	146	120	
	PLOT SCALE = 100,000' / in.	CHECKED -	REVISED -		SCALE:		SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 62H87		
	PLOT DATE = 6/28/2021	DATE -	REVISED -		ILLINOIS FED. AID PROJECT									

Page 1 of 1

Date 1/12/21

ROUTE	FAU 3512	DESCRIPTION	US 14 at Mount Prospect Road	LOGGED BY	M. Esposito
--------------	----------	--------------------	------------------------------	------------------	-------------

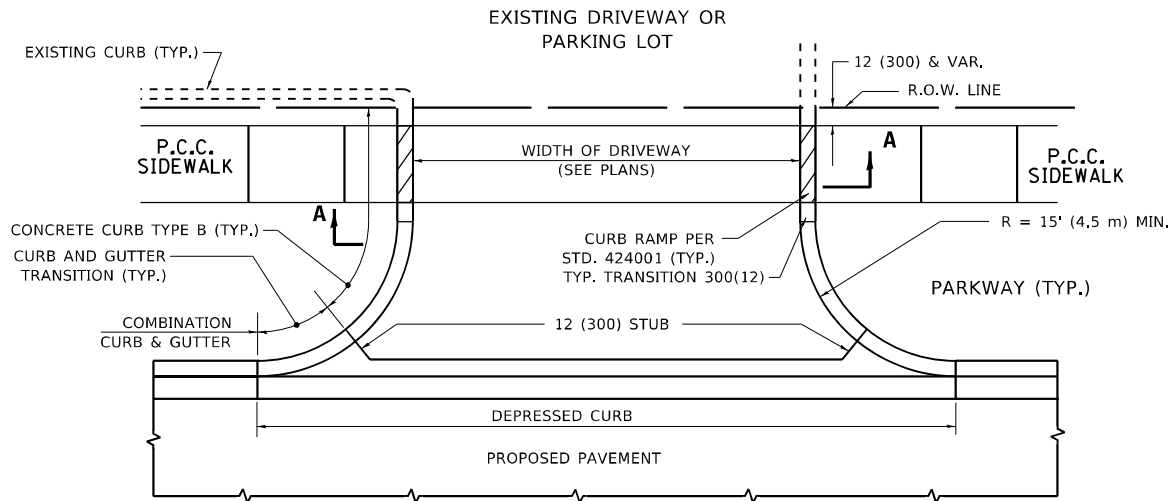
SECTION	2019-006-N	LOCATION	West side of, SEC. 7, TWP. 41N, RNG. 12E, 3rd PM, Latitude 42°3'25.1316", Longitude -87°55'16.3452"
----------------	------------	-----------------	---

COUNTY Cook DRILLING METHOD HSA HAMMER TYPE Auto

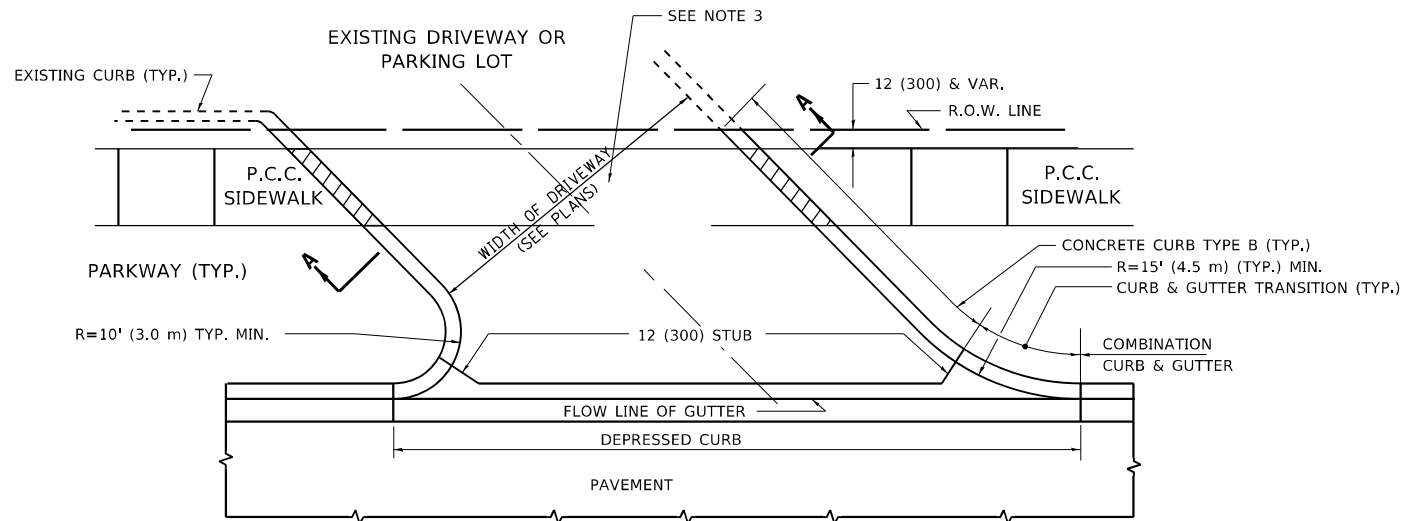
STRUCT. NO.		-	D E P T H	B L O W S	U C S Qu	M O I S T	
Station		-	(ft)	(/6")	(tsf)	(%)	
BORING NO.		SB-7					
Station		36+20					
Offset		22.0 ft RT					
Ground Surface Elev.		658.01	ft				
4.5" HMA Pavement							
10.5" PCC Pavement		656.76					
Crushed Aggregate		656.01					
Black, Moist, SILTY CLAY		655.01		4			
Very Stiff to Hard,				4	4.5	15	
Brown, Moist,				4	P		
SILTY CLAY							
				-5			
				2			
				3	3.3	14	
651.51				4	P		
Medium Stiff to Stiff,							
Brown, Moist,				0			
SILTY CLAY				2	0.7	18	
				2	B		
				-10			
				2			
				2	1.0	17	
				2	B		
				2			
				3	1.4	19	
644.01				3	B		
End of Boring							
				-15			
				-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

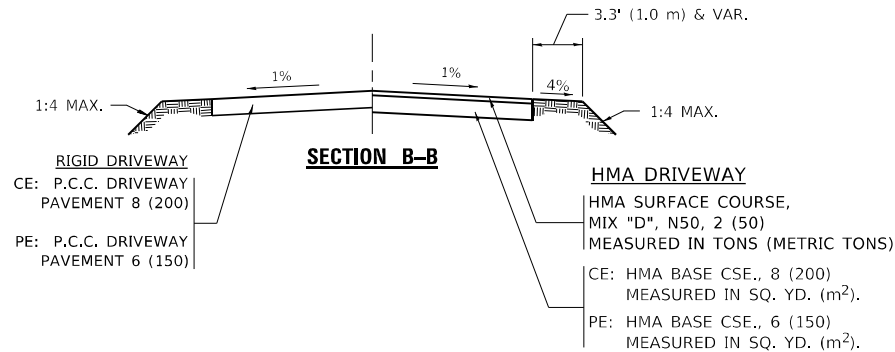
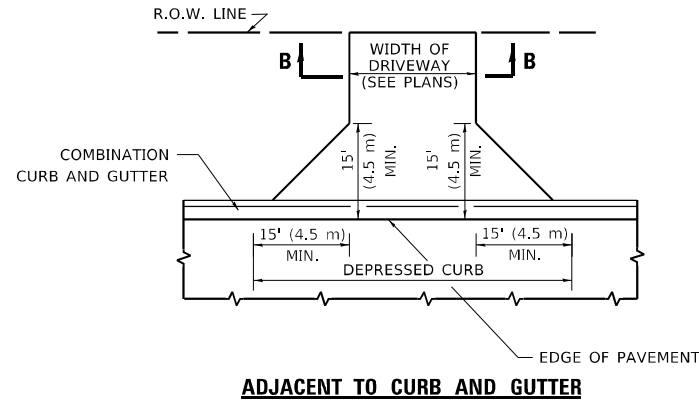
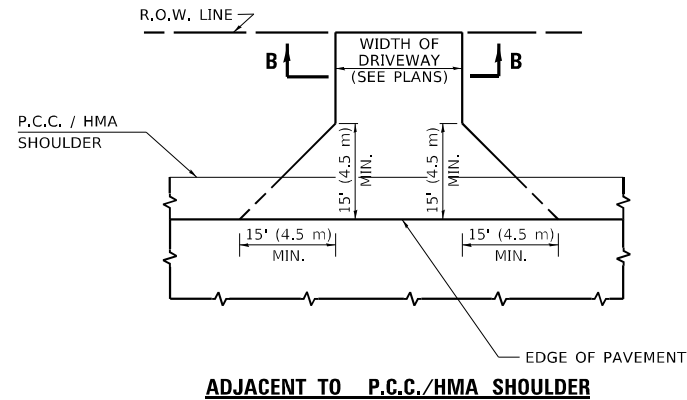
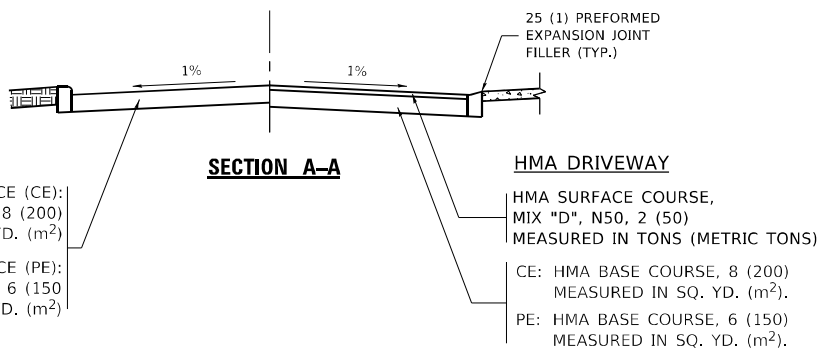
BBS, form 137 (Rev. 8-99)



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



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 ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT 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.

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.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE,
MIX "D", N50, 2 (50)
MEASURED IN TONS (METRIC TONS)

CE: HMA BASE CSE., 8 (200)
MEASURED IN SQ. YD. (m²).
PE: HMA BASE CSE., 6 (150)
MEASURED IN SQ. YD. (m²).

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

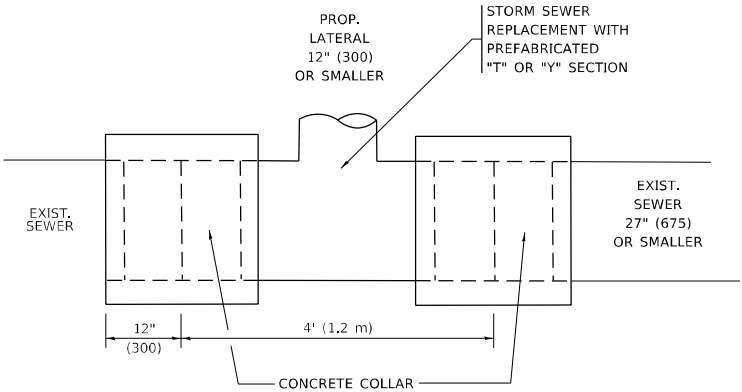
DRIVEWAY DETAILS – DISTANCE BETWEEN R.O.W.
AND FACE OF CURB & EDGE OF SHOULDER ≥ 15'(4.5m)

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

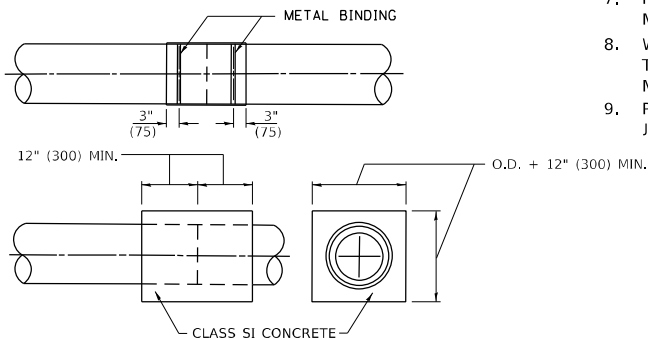
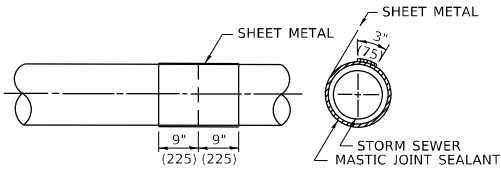
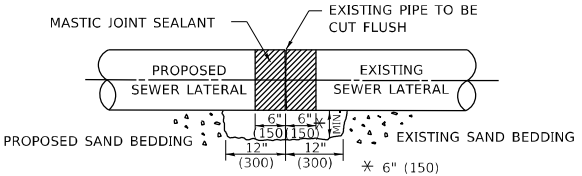
F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	122
BD400-01 (BD-01)		CONTRACT NO. 62H87		
		ILLINOIS	FED. AID PROJECT	



MODEL: Default
FILE NAME: c:\pw work\pwidot\diazia\d0368274\DistStd.dgn



DETAIL "A"
LATERAL CONNECTION TO EXISTING SEWER
OF 27" (675) OR SMALLER

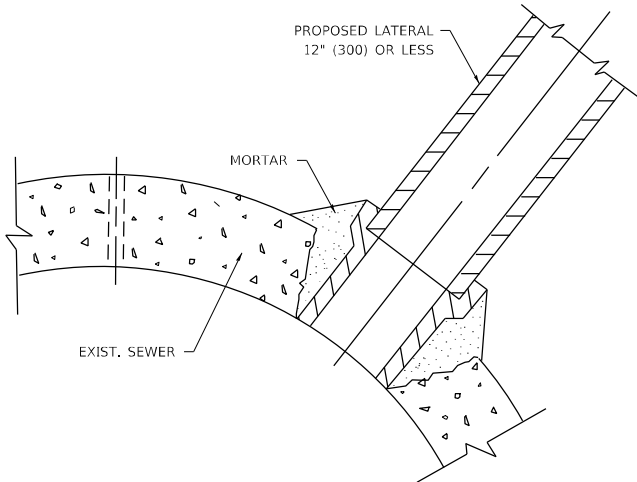


DETAIL "B"
CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT, BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.

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



DETAIL "C"
PROPOSED LATERAL
CONNECTION TO EXISTING SEWER
OF 30" (750) OR LARGER

NOTES:

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

1. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
2. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

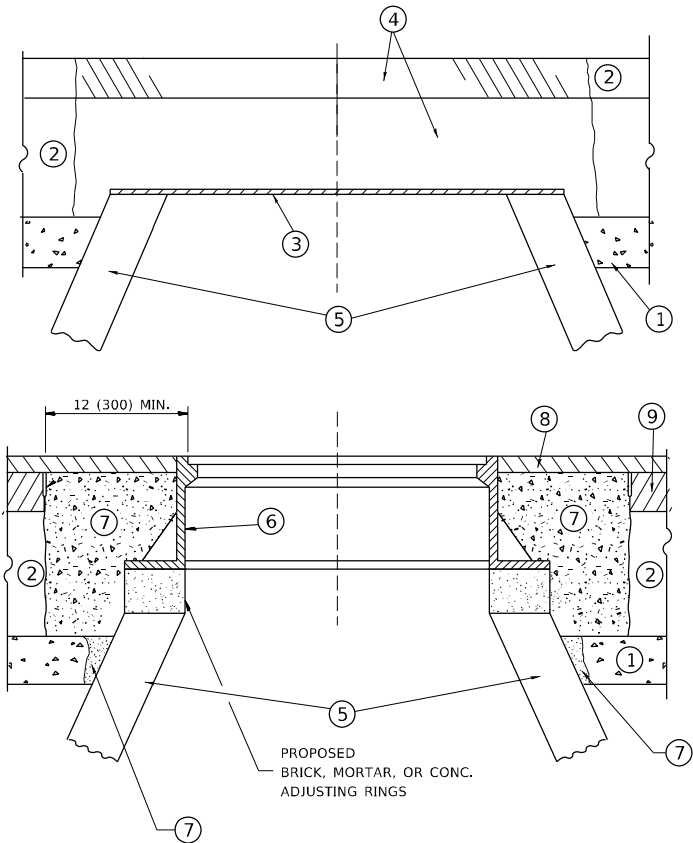
REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

MODEL Default
FILE Name: 3512_006-N.dgn
PROJECT: 3512_006-N.dgn
DATE: 6/29/2021

MODEL Default FILE Name: 3512_006-N.dgn PROJECT: 3512_006-N.dgn DATE: 6/29/2021	USER NAME = dila		DESIGNED - M. DE YONG	REVISED - M. DE YONG 5-8-92	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -		CHECKED -	REVISED - R. SHAH 09-09-94					3512	2019-006-N	COOK	146	124
	PLOT SCALE = 100,0002 ' / in.		DATE - 07-25-90	REVISED - R. SHAH 10-25-94		SCALE: NONE			BD500-01 (BD-7)				
	PLOT DATE = 6/29/2021		DATE - 07-25-90	REVISED - R. SHAH 06-12-96		SHEET 1 OF 1 SHEETS			ILLINOIS FED. AID PROJECT				



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 1 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

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

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

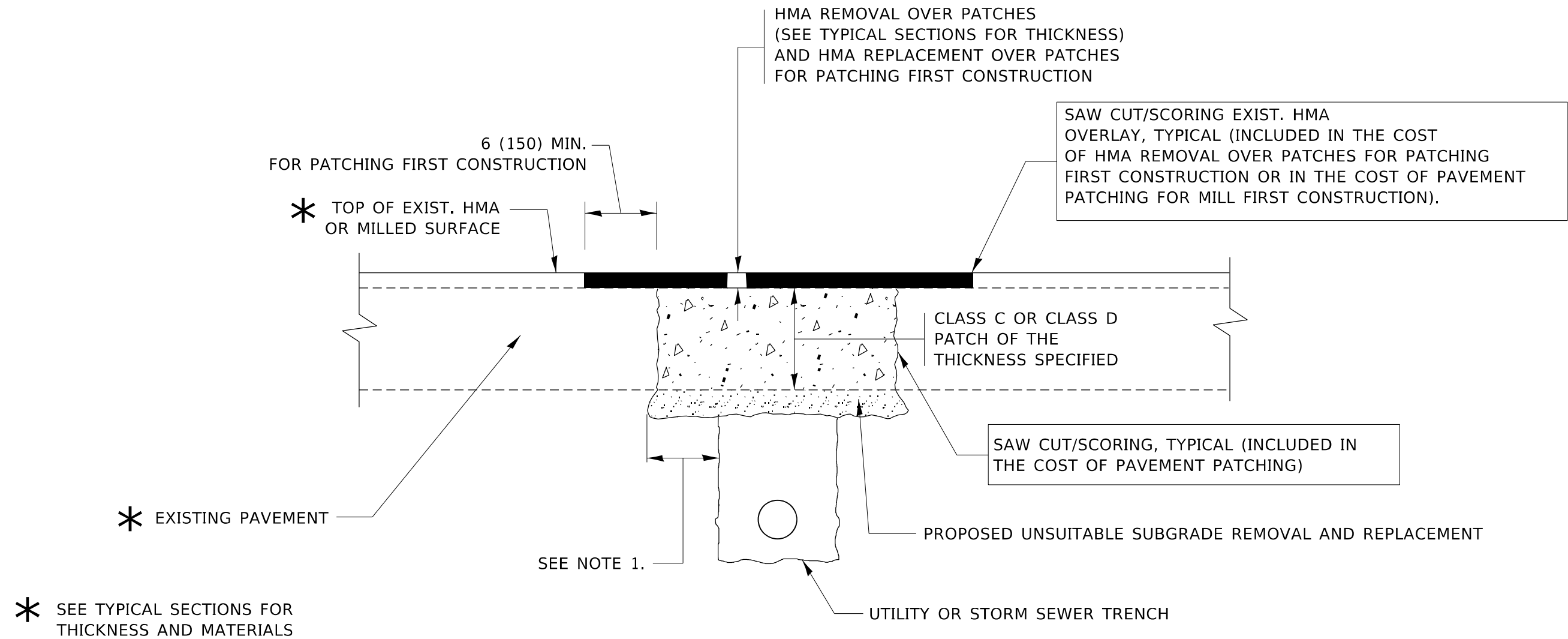
NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL: Default
FILE: N:\MIS\STW\work\pav\det\clad\ba00368274\JDp5td.dgn

	USER NAME = dliada	DESIGNED - R. SHAH	REVISED - R. WEDEMAN 05-14-04	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. BORO 01-01-07					3512	2019-006-N	COOK	146	125
	PLOT SCALE = 100,0002 ' / in.	CHECKED -	REVISED - R. BORO 03-09-11					BD600-03 (BD-8)		CONTRACT NO. 62H87		
	PLOT DATE = 6/29/2021	DATE - 10-25-94	REVISED - R. BORO 12-06-11					SCALE: NONE		SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT



NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

MODEL: Default
FILE: N:\MIS\STW\work\pav\det\clab\03168271\01a51d.dgn

USER NAME = dliada	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98
	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 100,0002 ' / in.	CHECKED -	REVISED - R. BORO 09-04-07
PLOT DATE = 6/29/2021	DATE - 10-25-94	REVISED - K. ENG 10-27-08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	126
BD400-04 (BD-22)		CONTRACT NO. 62H87		
		ILLINOIS	FED. AID PROJECT	



(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

TYPICAL TEMPORARY RAMP



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.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	128
BD400-05 BD32		CONTRACT NO. 62H87		
ILLINOIS		FED. AID PROJECT		

MODEL: Default
FILE NAME: c:\pw work\pwidot\ciazia\d0368274\DistStd.dgn

MODEL Default
FILE Name: 3512.ctb, work\p\detclab\3512\10151d.dgn

	USER NAME = dlada	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
		DRAWN -	REVISED - T. RAMMACHER 01-06-00
	PLOT SCALE = 100,0002 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 6/29/2021	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

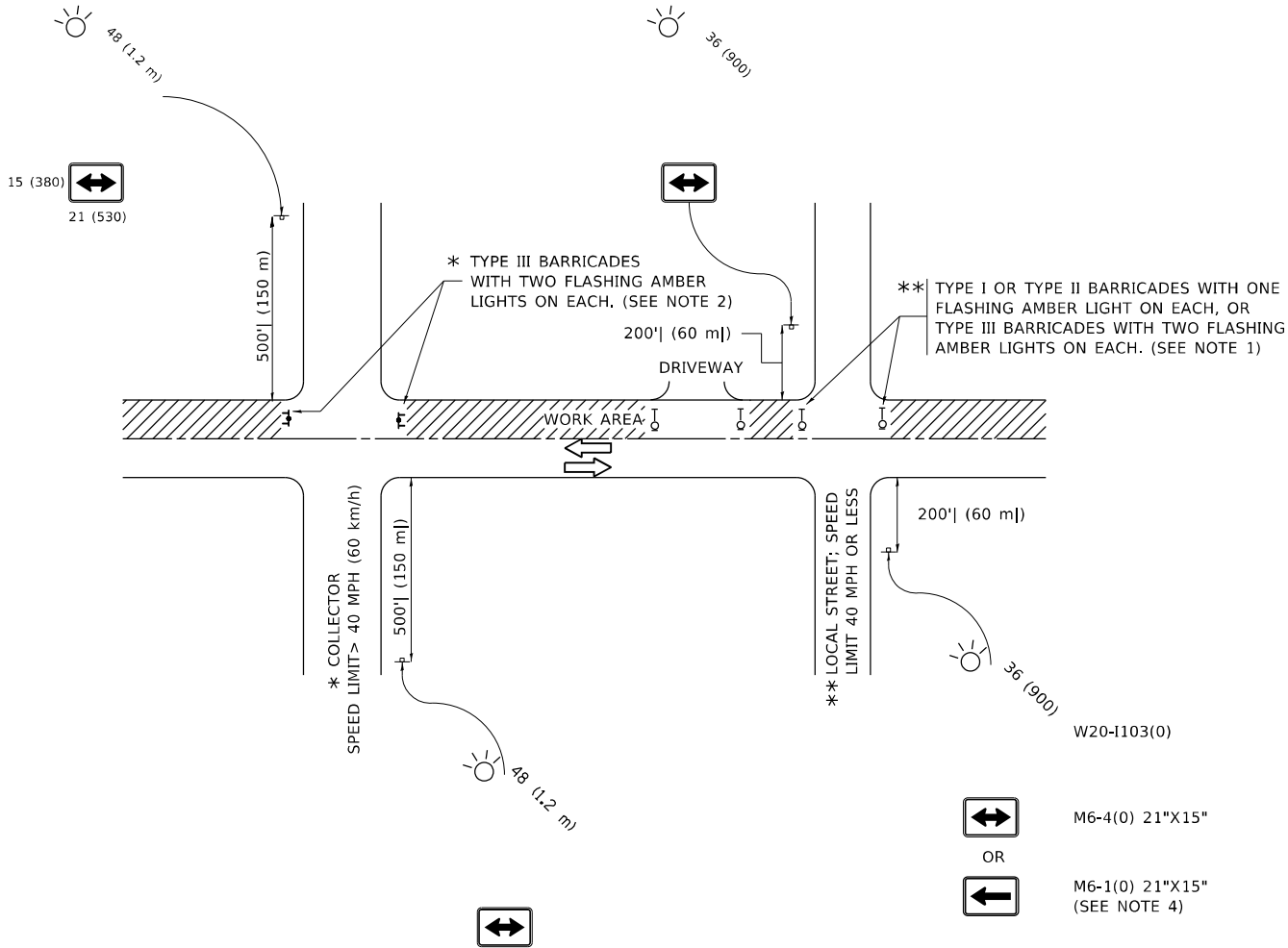
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

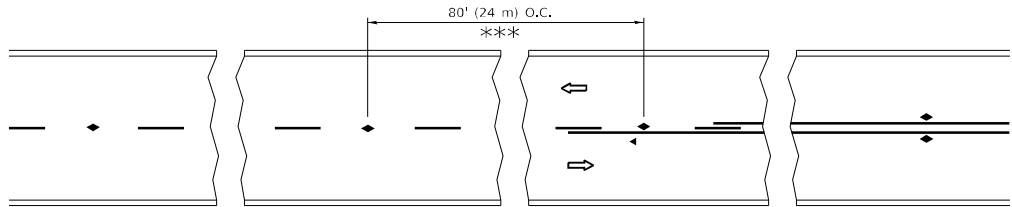
All dimensions are in inches (millimeters)
unless otherwise shown.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	129
TC-10		CONTRACT NO. 62H87		
		ILLINOIS	FED. AID PROJECT	



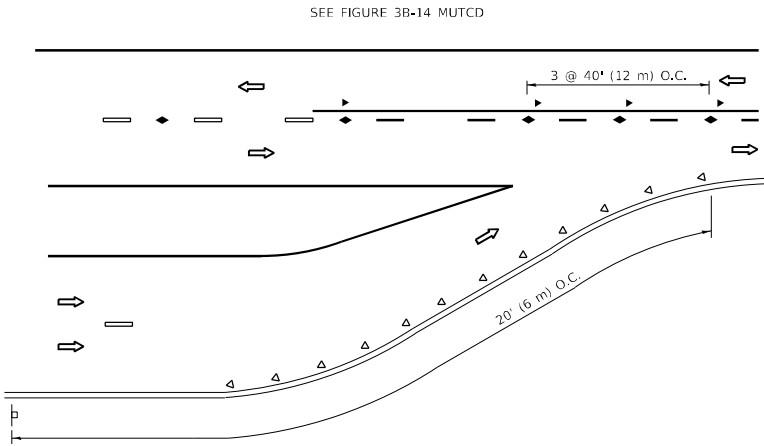
NOTES:

- 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.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE
- SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- 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.

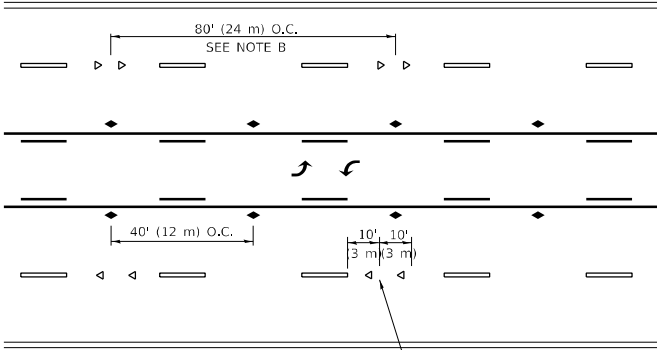


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

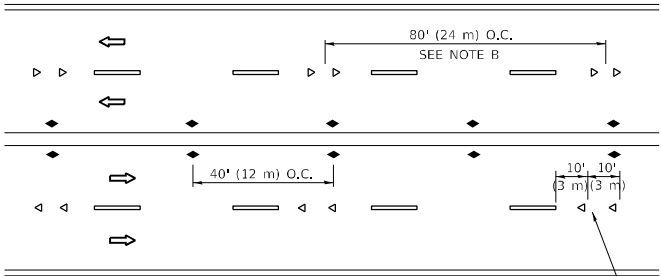
TWO-LANE/TWO-WAY



LANE REDUCTION TRANSITION

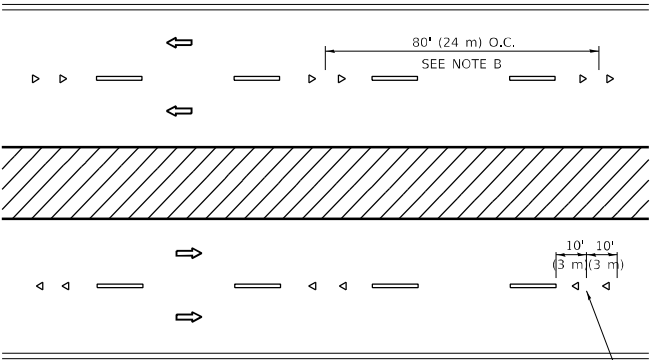


TWO-WAY LEFT TURN



SEE NOTE A

MULTI-LANE/UNDIVIDED



SEE NOTE A

MULTI-LANE/DIVIDED

GENERAL NOTES

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

LANE MARKER NOTES

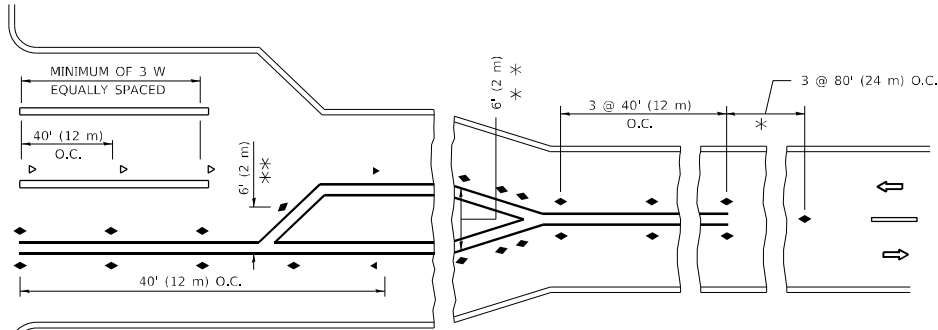
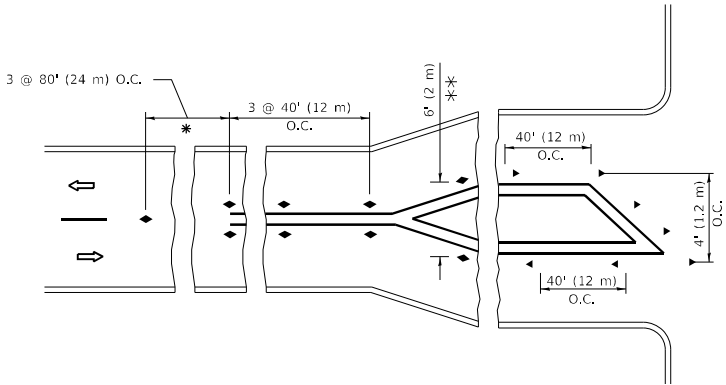
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

SYMBOLS

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

DESIGN NOTES

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



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

TURN LANES

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

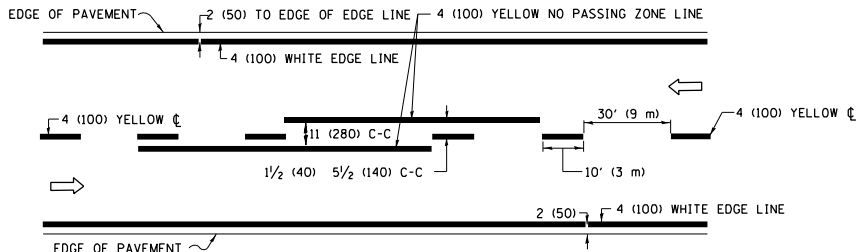
MODEL Default
FILE Name: 3512-006-N.dgn
FILE Path: c:\pwork\3512-006-N.dgn

USER NAME = dila	DESIGNED -	REVISED - T. RAMMACH 03-12-99
	DRAWN -	REVISED - T. RAMMACH 01-06-00
PLOT SCALE = 100,000 ' / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT DATE = 6/29/2021	DATE -	REVISED - C. JUCIUS 07-01-13

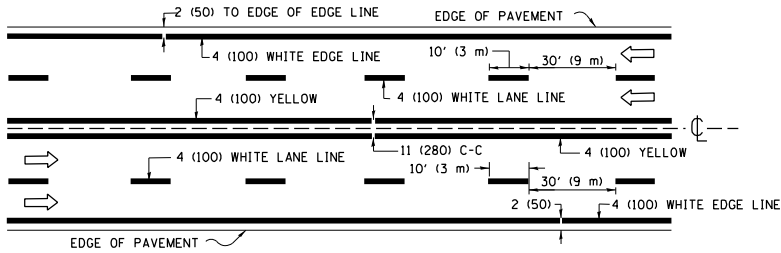
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

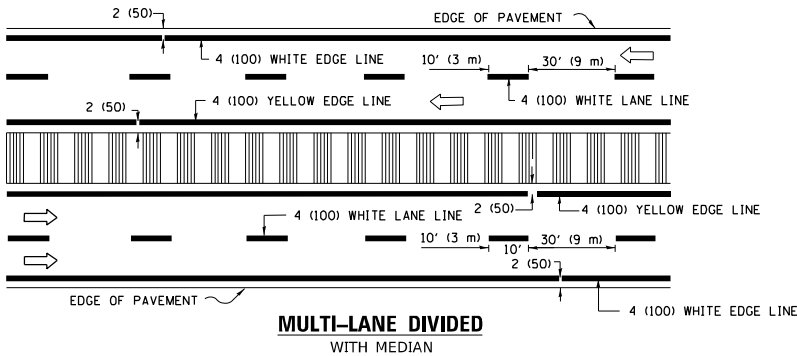
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	130
TC-11		CONTRACT NO. 62H87		
		ILLINOIS	FED. AID PROJECT	



2-LANE ROADWAY

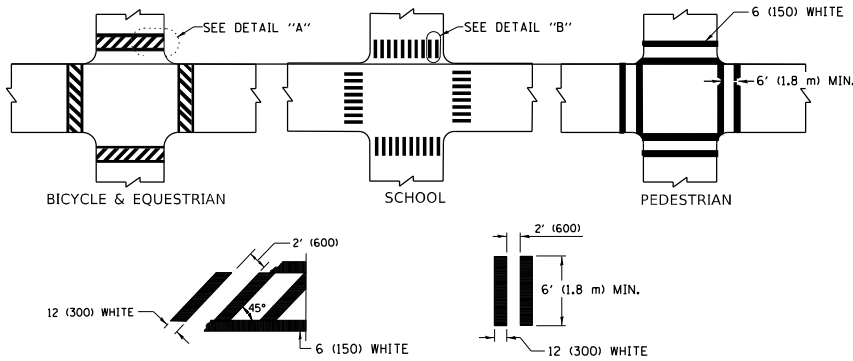


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

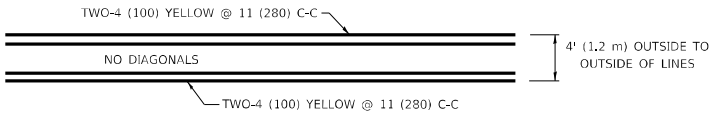


DETAIL "A"

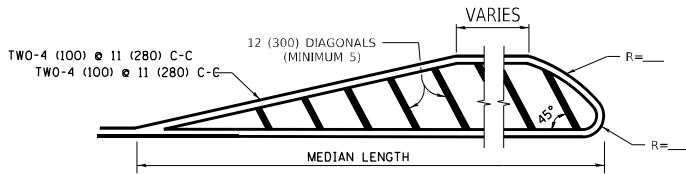
DETAIL "B"

TYPICAL CROSSWALK MARKING

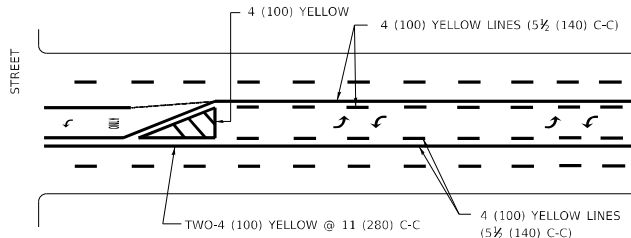
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



4' (1.2 m) WIDE MEDIANS ONLY

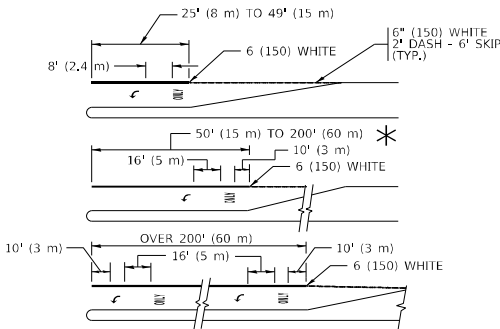


MEDIANS OVER 4' (1.2 m) WIDE



MEDIAN WITH TWO-WAY LEFT TURN LANE

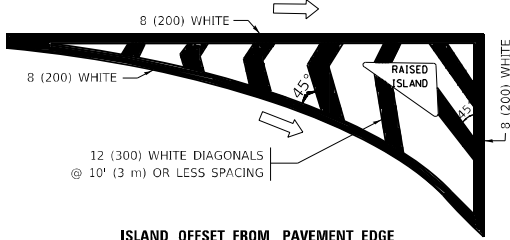
TYPICAL PAINTED MEDIAN MARKING



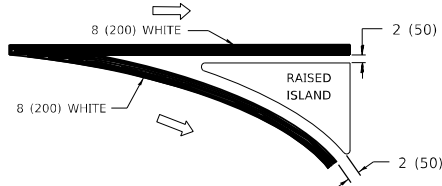
FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

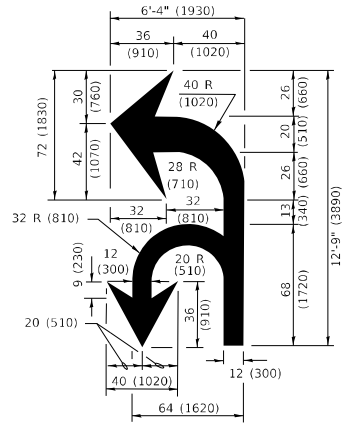


ISLAND OFFSET FROM PAVEMENT EDGE

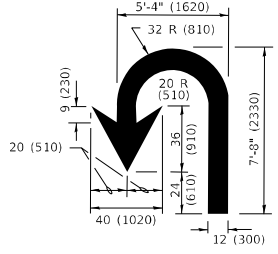


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

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. LONGTUDINAL 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 ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
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.

MODEL: Default
FILE: N:\pav\det\ch3a\3a03\68271\JUCIUS.dgn

USER NAME = dlazla	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
	DRAWN -	REVISED - C. JUCIUS 07-01-13
PLOT SCALE = 100,0002 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
PLOT DATE = 6/29/2021	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	131
TC-13		CONTRACT NO. 62H87		
		ILLINOIS	FED. AID PROJECT	

TURN BAY ENTRANCE AT START
OF LANE CLOSURE TAPER

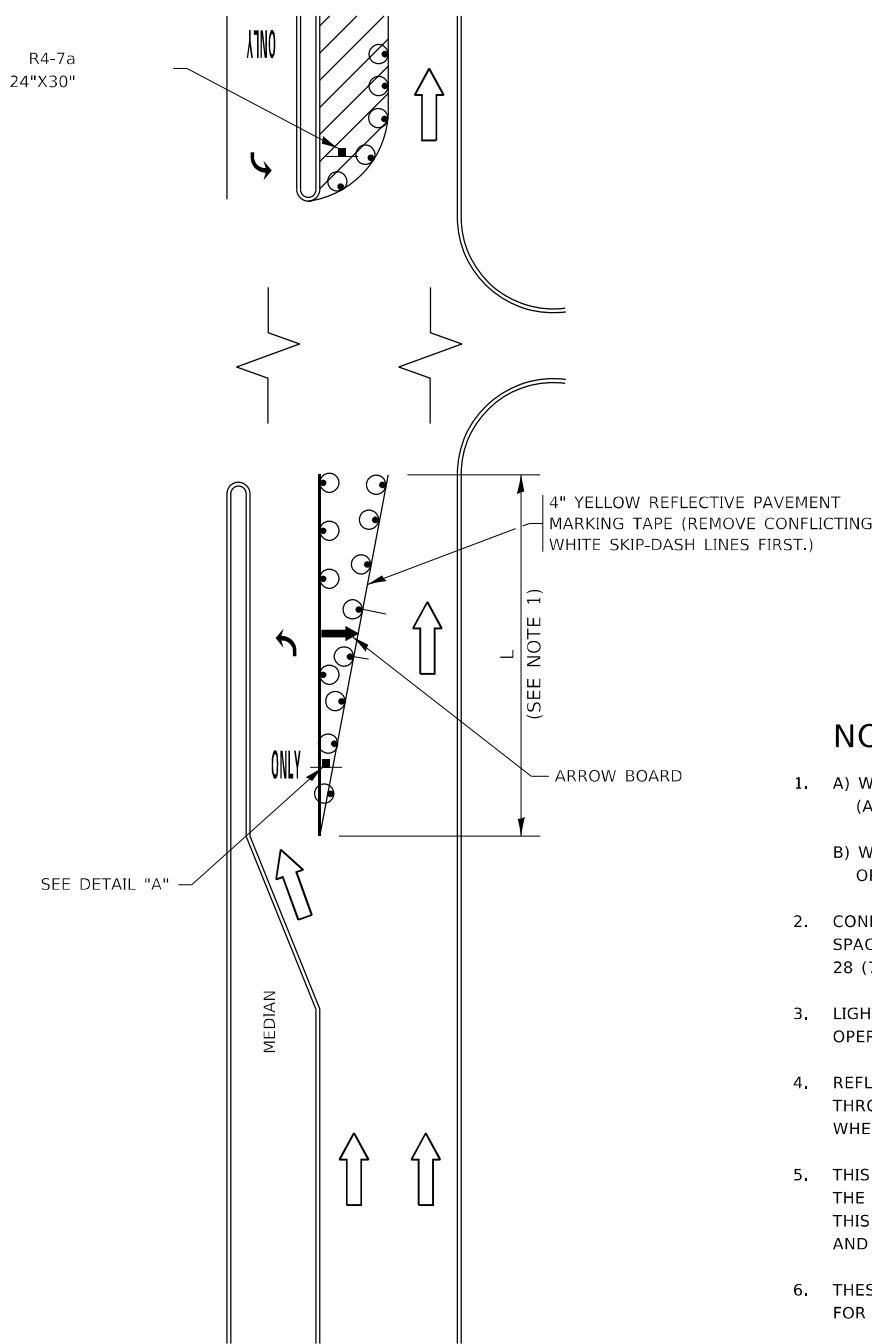


FIGURE 1

LEGEND

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

NOTES:

- A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
- 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.
- LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
- REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
- THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
- THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
- THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
- TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE
WITHIN A LANE CLOSURE

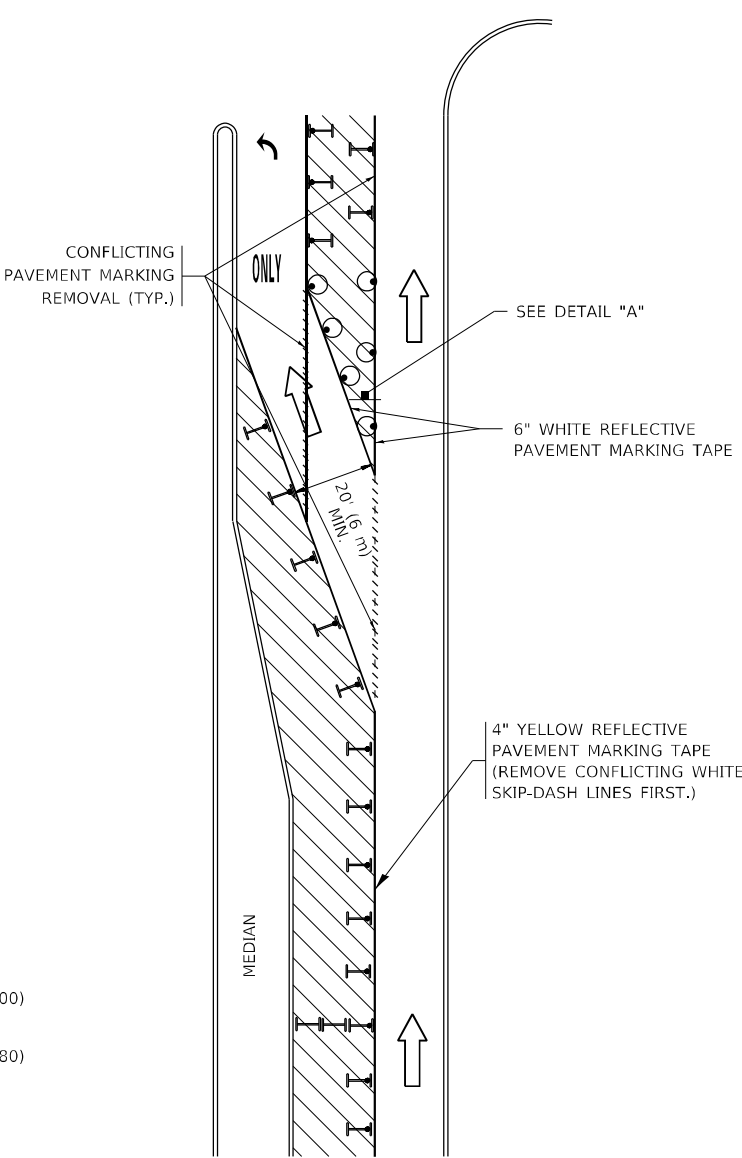
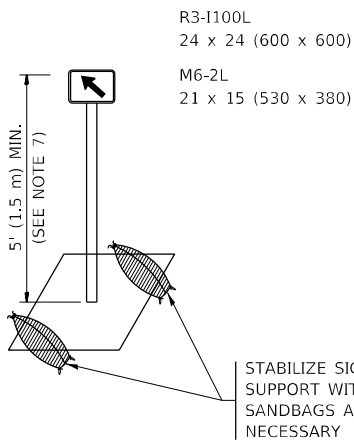


FIGURE 2



DETAIL A

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

MODEL Default
FILE Name: 3512-006-N-TC-14.dgn
FILE Path: c:\pwork\3512-006-N-TC-14.dgn

USER NAME = dila	DESIGNED - T. RAMMACHER 09-08-94
DRAWN - A. HOUSEH 11-07-95	REVIS
PLOT SCALE = 100,000' / in.	CHECKED - A. HOUSEH 10-12-96
PLOT DATE = 6/29/2021	DATE - T. RAMMACHER 01-06-00

REVISED - R. BORO 09-14-09
REVISED - A. SCHUETZE 07-01-13
REVISED - A. SCHUETZE 09-15-16
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	132
TC-14		CONTRACT NO. 62H87		
		ILLINOIS FED. AID PROJECT		

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

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

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

NOTE:

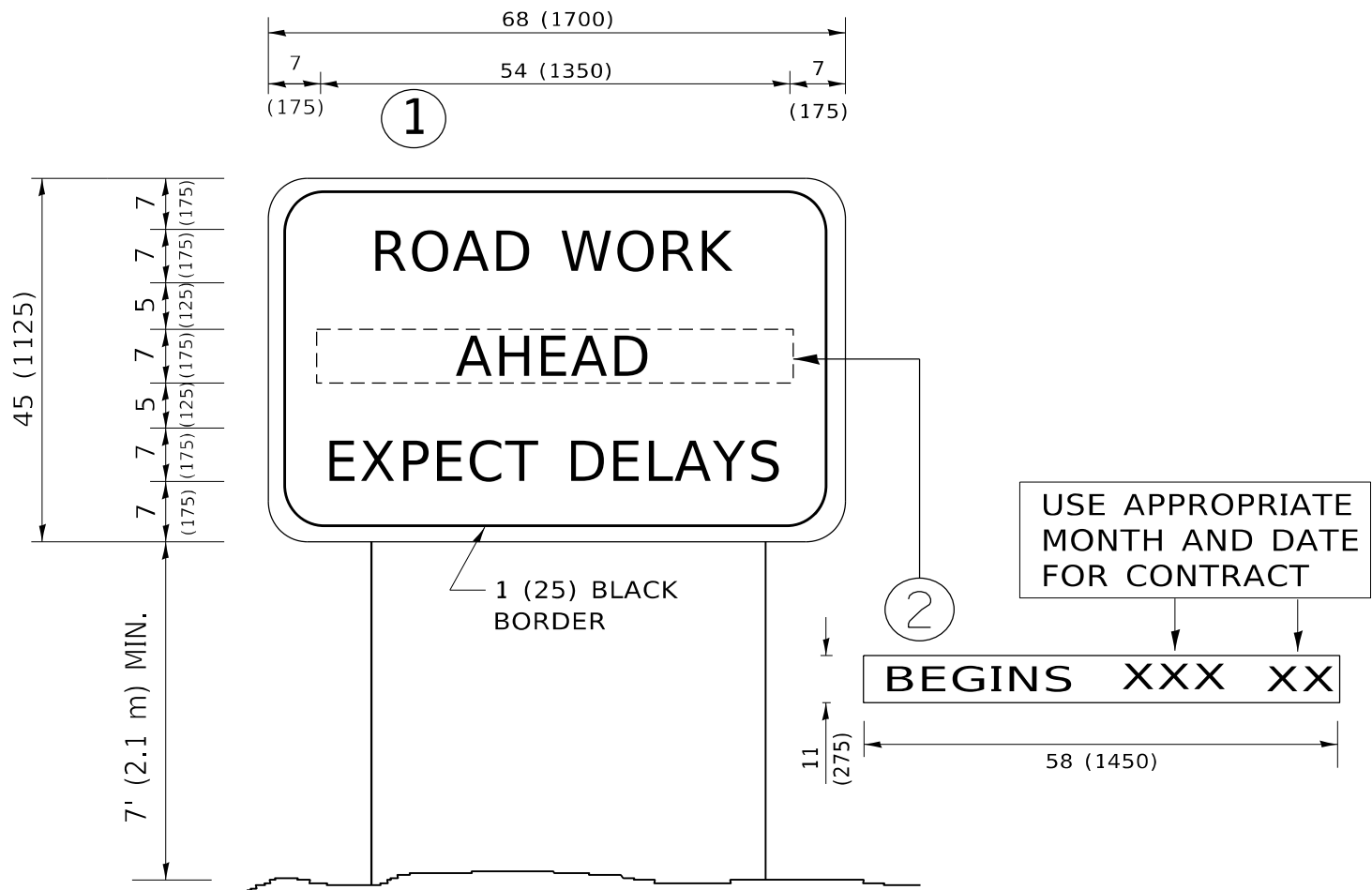
ALL QUANTITIES OF PLACEMENT ARE REPRESENTED
IN LINEAR FEET OF 4" LINES TO MATCH THE
4" TEMPORARY TAPE PAY ITEM AND REPRESENTS
THE TOTAL QUANTITY OF 4" TAPE REQUIRED.

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.

USER NAME = diazia	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 100,0002' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 6/29/2021	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	133
TC-16		CONTRACT NO. 62H87		
	ILLINOIS	FED. AID PROJECT		



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN①WITH INSTALLED PANEL②ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL②SOON 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.

MODEL Default
FILE Name: sign_roadwork.dwg, user: dila, 03/26/21 10:15:11 AM

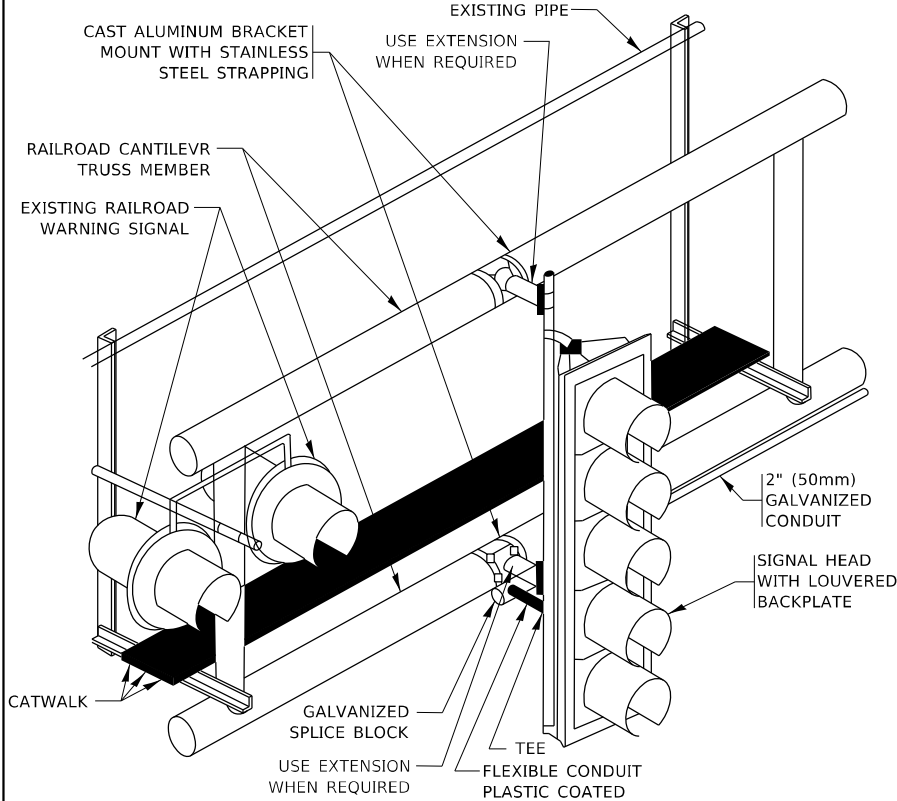
USER NAME = dila	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 100,000 ' / in.	CHECKED -	REVISED - T. RAMMACH 02-02-99
PLOT DATE = 6/29/2021	DATE -	REVISED - C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
INFORMATION SIGN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	134
TC-22		CONTRACT NO. 62H87		
		ILLINOIS	FED. AID PROJECT	



RAILROAD CANTILEVER SIGNAL HEAD MOUNTING

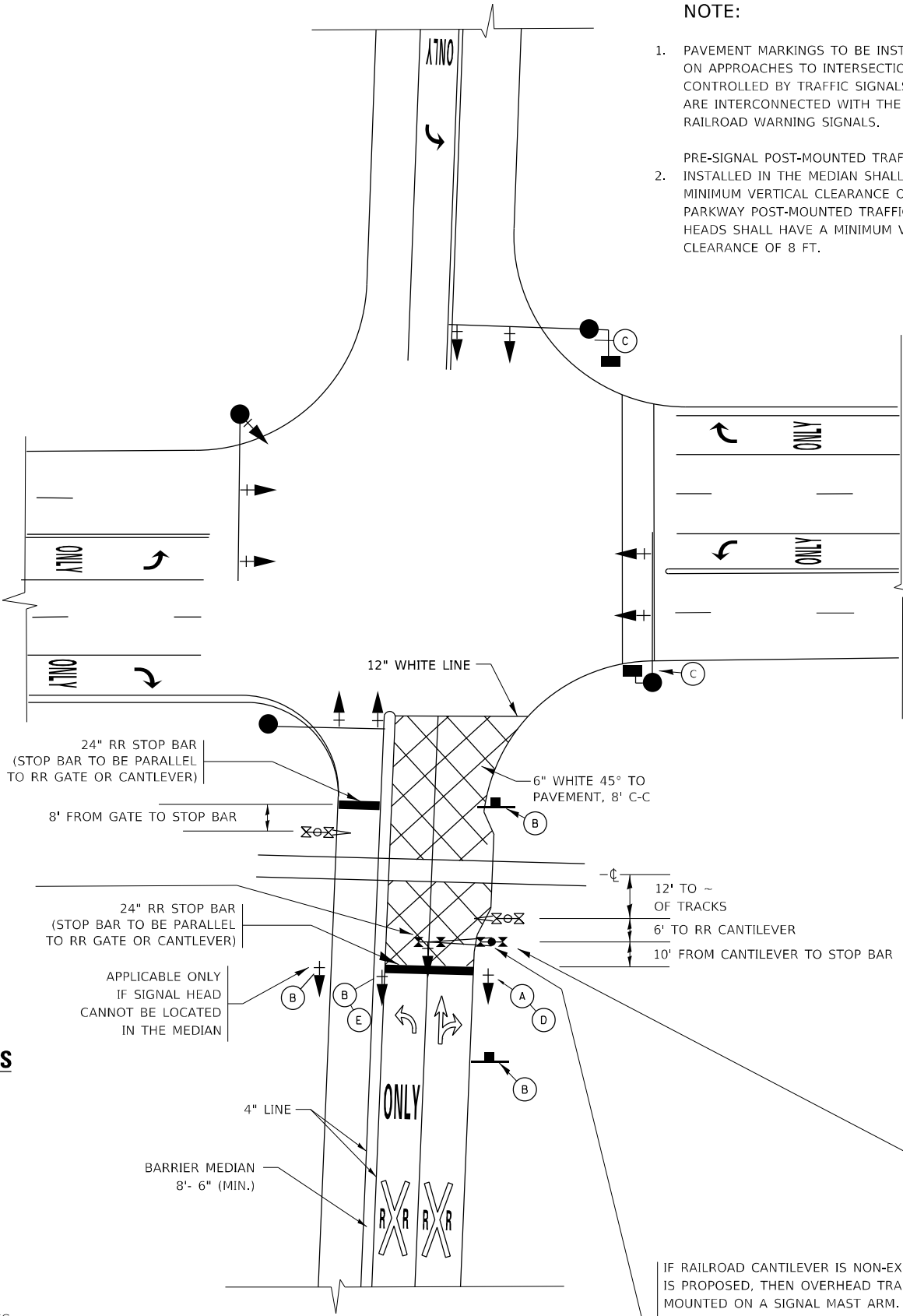
USE NON-CONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORROSION
N.T.S.

SIGNING AND PAVEMENT MARKING AT RAILROAD CROSSINGS

SIGNING AND PAVEMENT MARKING TRAFFIC CONTROL STANDARD (TC-23) HAS BEEN DEVELOPED IN CONSULTATION WITH THE ILLINOIS COMMERCE COMMISSION AND THE U.S. DEPARTMENT OF TRANSPORTATION'S GRADE CROSSING SAFETY TASK FORCE. THIS STANDARD PROVIDES INFORMATION ON UPDATES TO THE PAVEMENT MARKING AND SIGNING DETAILS IN ORDER TO INCORPORATE CHANGES ADOPTED IN THE 2009 NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICE (MUTCD). THESE NEW DETAILS HAVE BEEN STUDIED AND TESTED BY THE DEPARTMENT AND ACCEPTED BY THE ILLINOIS COMMERCE COMMISSION.

THIS APPLIES TO PROJECTS WHICH INCLUDE RAILROAD INTERCONNECTED TRAFFIC SIGNALS, WITH OR WITHOUT PRE-SIGNALS. THIS STANDARD ALSO APPLIES TO NON-SIGNALIZED INTERSECTIONS THAT ARE WITHIN 81 FEET OF A RAILROAD GRADE CROSSING. THE ILLINOIS SUPPLEMENT TO THE MUTCD SHOULD BE CONSULTED FOR ADDITIONAL INFORMATION ON SIGN REQUIREMENTS AT NON-SIGNALIZED INTERSECTIONS NEAR RAILROAD GRADE CROSSINGS.

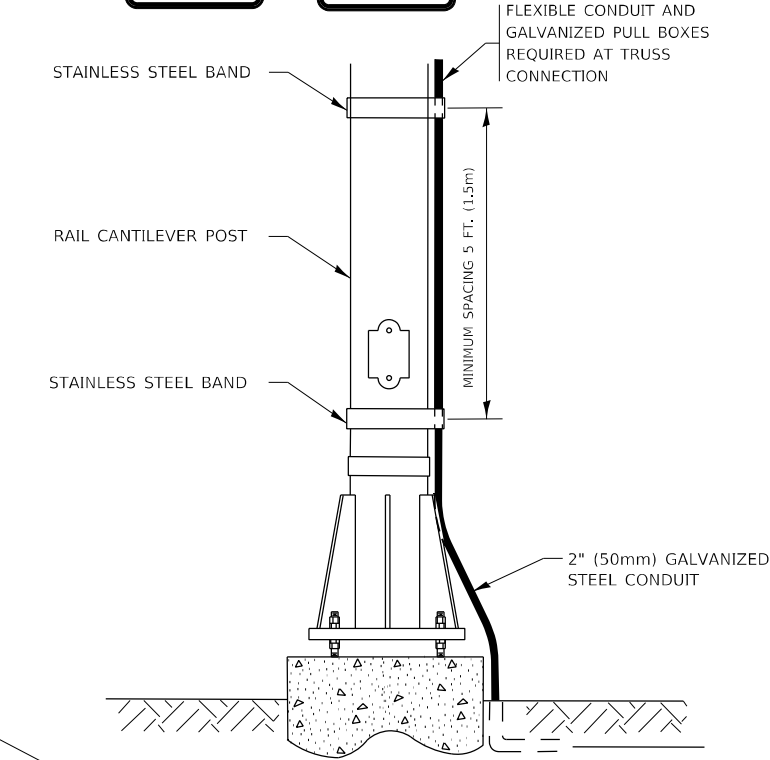
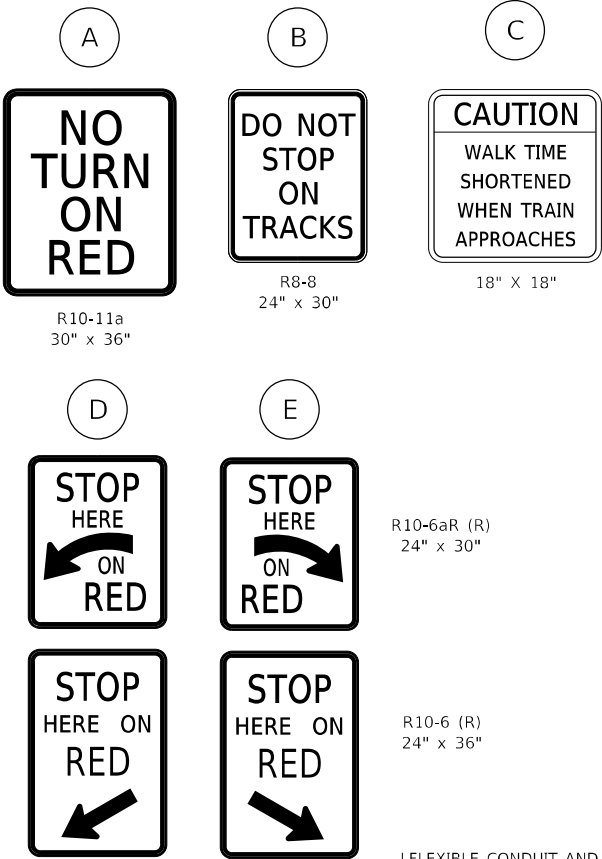
THESE DETAILS WILL BE INCLUDED IN A FUTURE UPDATE TO THE BUREAU OF OPERATIONS TRAFFIC POLICIES AND PROCEDURES MANUAL.



SIGNALIZED INTERSECTION WITH NEAR-SIDE TRAFFIC SIGNAL

NOTE:

- PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- PRE-SIGNAL POST-MOUNTED TRAFFIC SIGNAL HEADS INSTALLED IN THE MEDIAN SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 4.5 FT. PARKWAY POST-MOUNTED TRAFFIC SIGNAL HEADS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 8 FT.



SIGNAL CONDUIT CONNECTION TO RAIL CANTILEVER DETAIL

USE NON-CONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORROSION.

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

MODEL: Default
FILE: N:\MUTCD_Signs\work\update\cd\cd\3512\1101\1101.dgn

USER NAME = dliada	DESIGNED -	REVISED - 02-25-11
	DRAWN -	REVISED - 04-26-12
PLOT SCALE = 100,0002 ' / in.	CHECKED -	REVISED - A.R. 07-11-16
PLOT DATE = 6/29/2021	DATE -	REVISED - D.G. 8-22-19

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

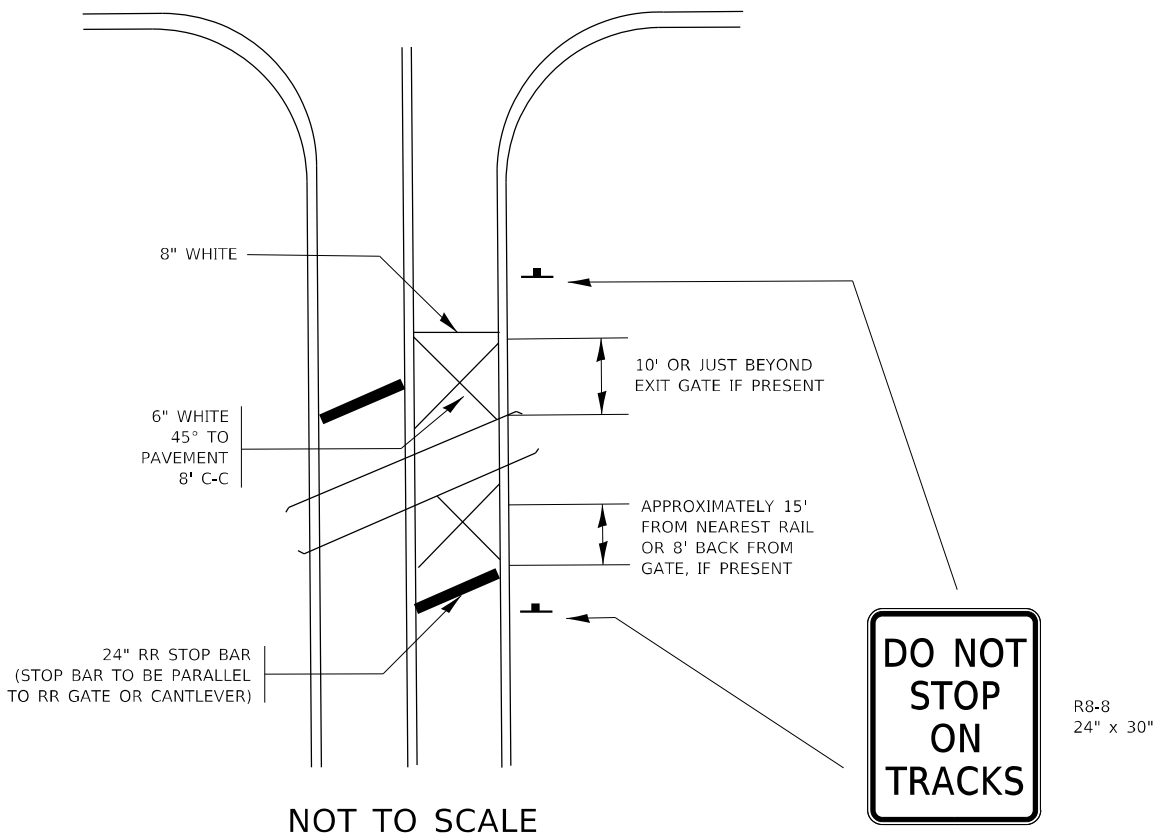
TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING
TREATMENT FOR RAILROAD CROSSINGS

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2019-006-N	COOK	146	135
TC-23		CONTRACT NO. 62H87		
		ILLINOIS	FED. AID PROJECT	

TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS

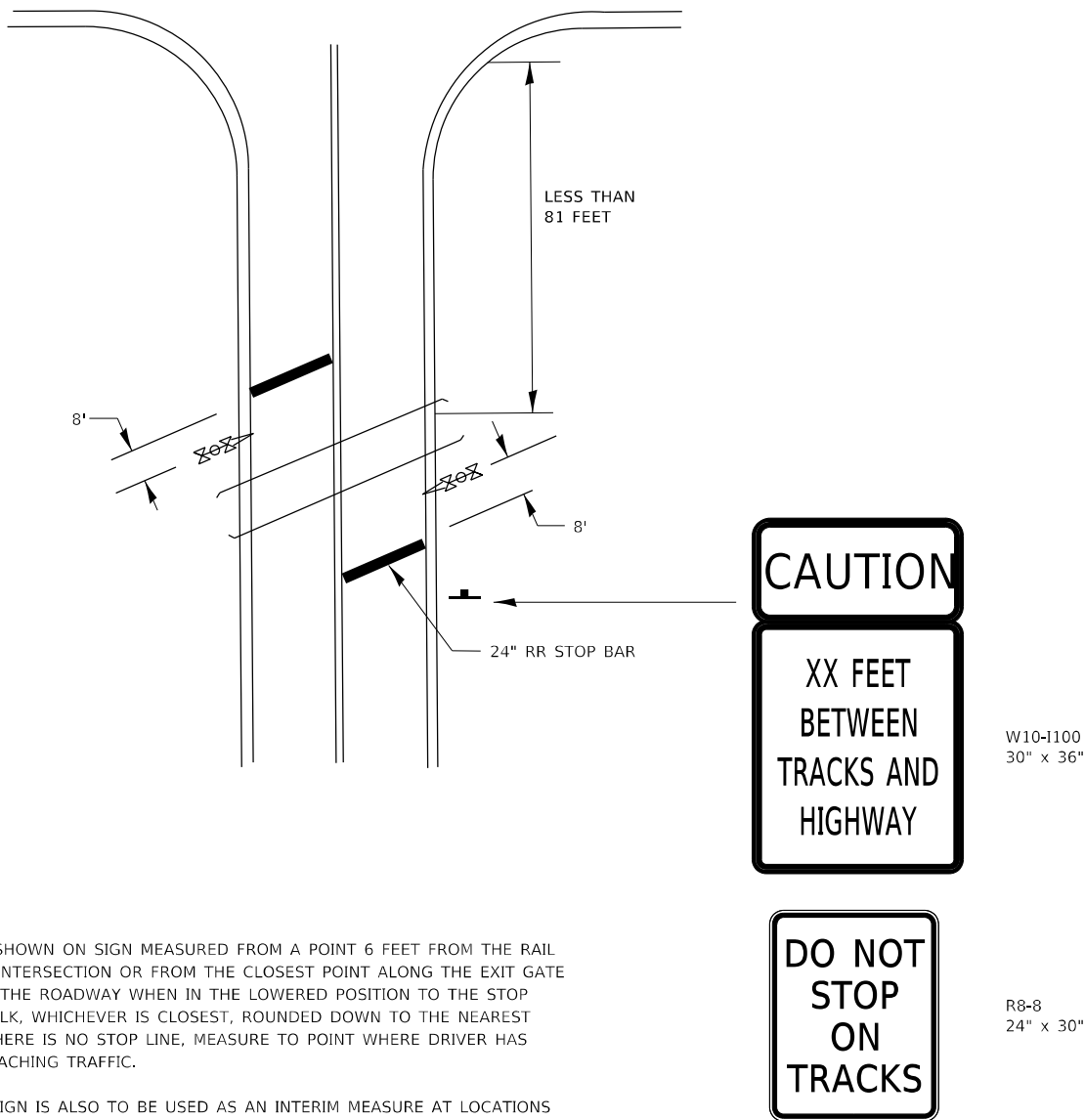
WITH SIGNALIZED INTERSECTION



NOTE:

- PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED THE PAVEMENT MARKINGS EXTEND TO THE INTERSECTION. (SEE DETAIL FOR PRE-SIGNALS).

WITH NON-SIGNALIZED INTERSECTION 81' OR LESS TO CLOSEST RAIL



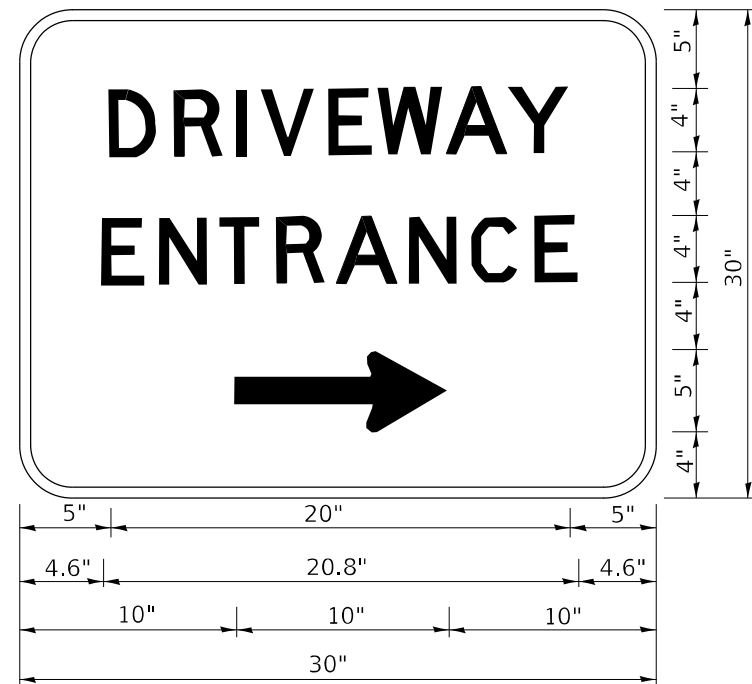
NOTE:

- DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET FROM THE RAIL CLOSEST TO THE INTERSECTION OR FROM THE CLOSEST POINT ALONG THE EXIT GATE IF PRESENT OVER THE ROADWAY WHEN IN THE LOWERED POSITION TO THE STOP BAR OR CROSSWALK, WHICHEVER IS CLOSEST, ROUNDED DOWN TO THE NEAREST 5 FEET. WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
- THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6 FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKING EXTEND TO THE INTERSECTION.

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

MODEL: Default
FILE: N:\MIS\STG\work\pav\det\claa\036827\DD1451d.dgn

	USER NAME = dlaxda	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					3512	2019-006-N	COOK	146	136
	PLOT SCALE = 100,0002 ' / in.	CHECKED -	REVISED -					TC-23		CONTRACT NO. 62H87		
	PLOT DATE = 6/29/2021	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE: NONE		SHEET 2	OF 2	SHEETS	STA.	TO STA.		



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
"DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

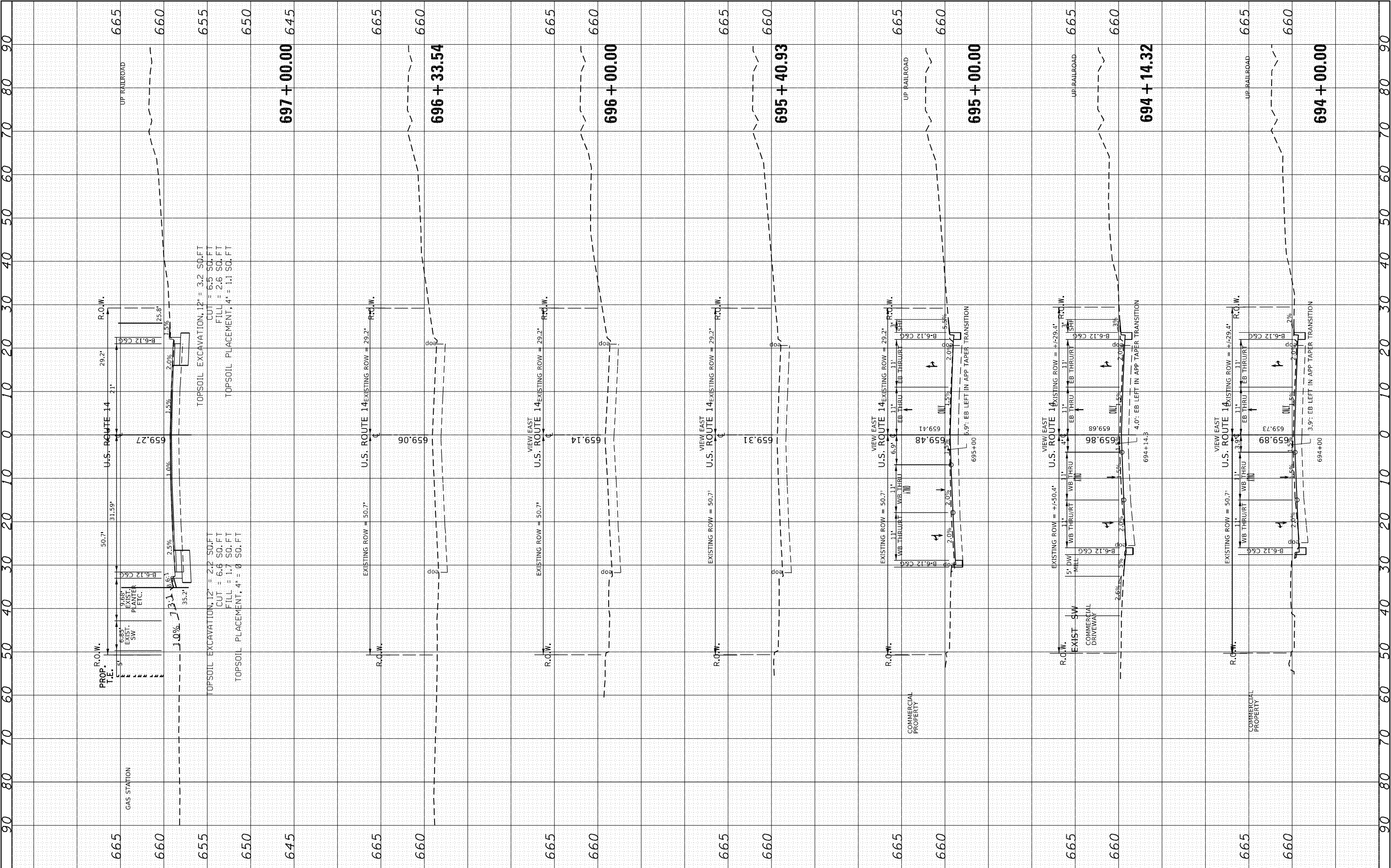
1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE
PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN)
SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY
AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE
FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

MODEL Default
FILE Name: p:\data\amnonm\cot\illinois\gov\p\w\DOT\Documents\DOT Office\District 1\Project\139513\CADD\DATA\Design\DistStd.dgn

	USER NAME = dlaxda	DESIGNED -	REVISED - C. JUCIUS 02-15-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY ENTRANCE SIGNING			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					3512	2019-006-N	COOK	146	137
	PLOT SCALE = 100,0002 ' / in.	CHECKED -	REVISED -					TC-26				
	PLOT DATE = 6/29/2021	DATE -	REVISED -		SCALE: NONE	SHEET 1	OF 2	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

FINL SURVEY	SURVEYED PLOTTED NOTE BOOK	BY	DATE
NO.	AREAS CHECKED		

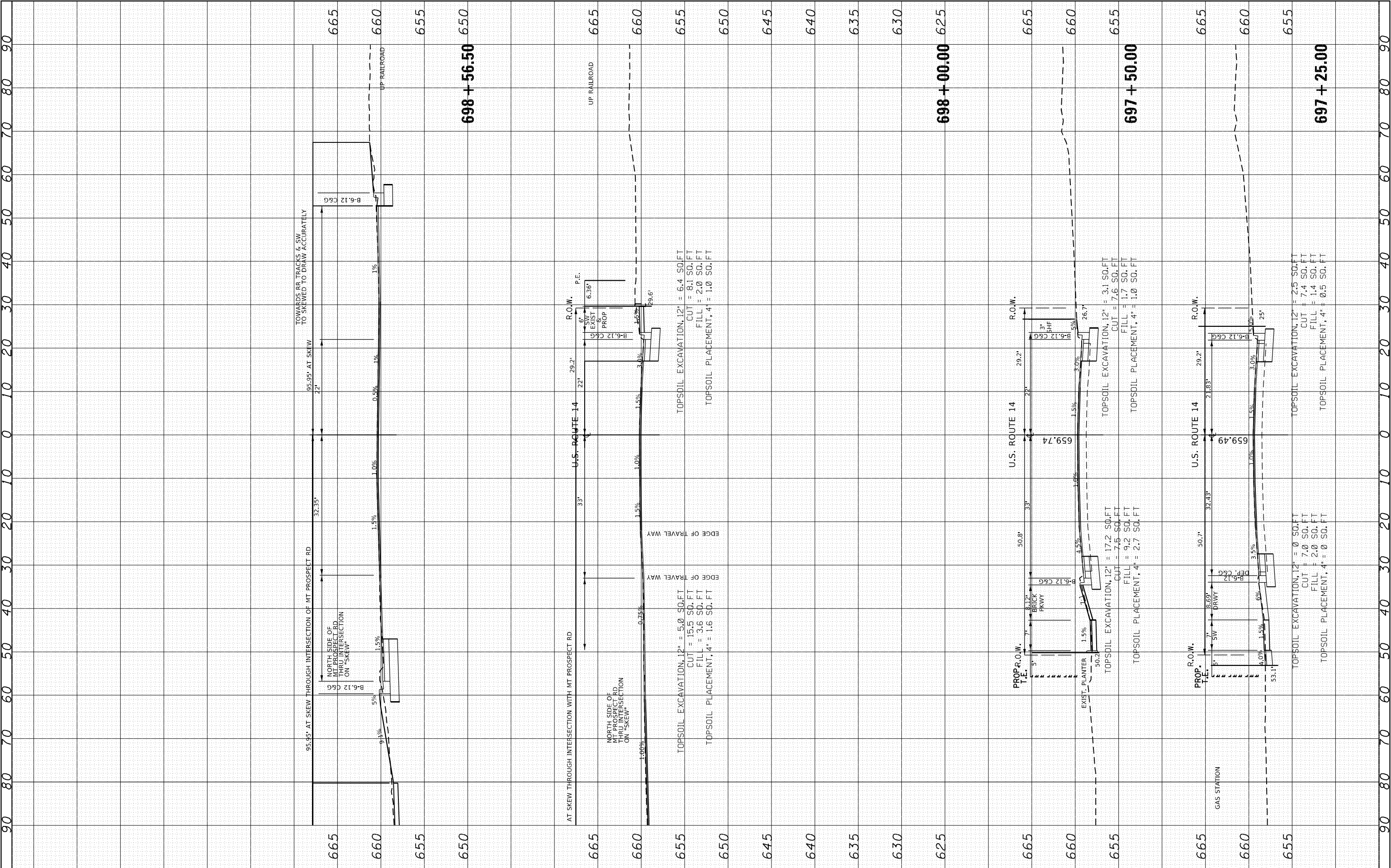
ORIGINAL SURVEY	SURVEYED PLOTTED NOTE BOOK	BY	DATE
NO.	AREAS CHECKED		



FILE NAME =	USER NAME = diazio	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS U.S. ROUTE 14				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw-work\pwidot\diazio\0368274\PI39513-sh-t-x-sh-t-US14.dgn	DRAWN -	REVISED -	REVISED -		3512	2019-006-N	COOK	146	138				
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 62H87								
Default	PLOT DATE = 8/9/2021	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA. 694+00.00	TO STA. 697+00.00	ILLINOIS FED. AID PROJECT		

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

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



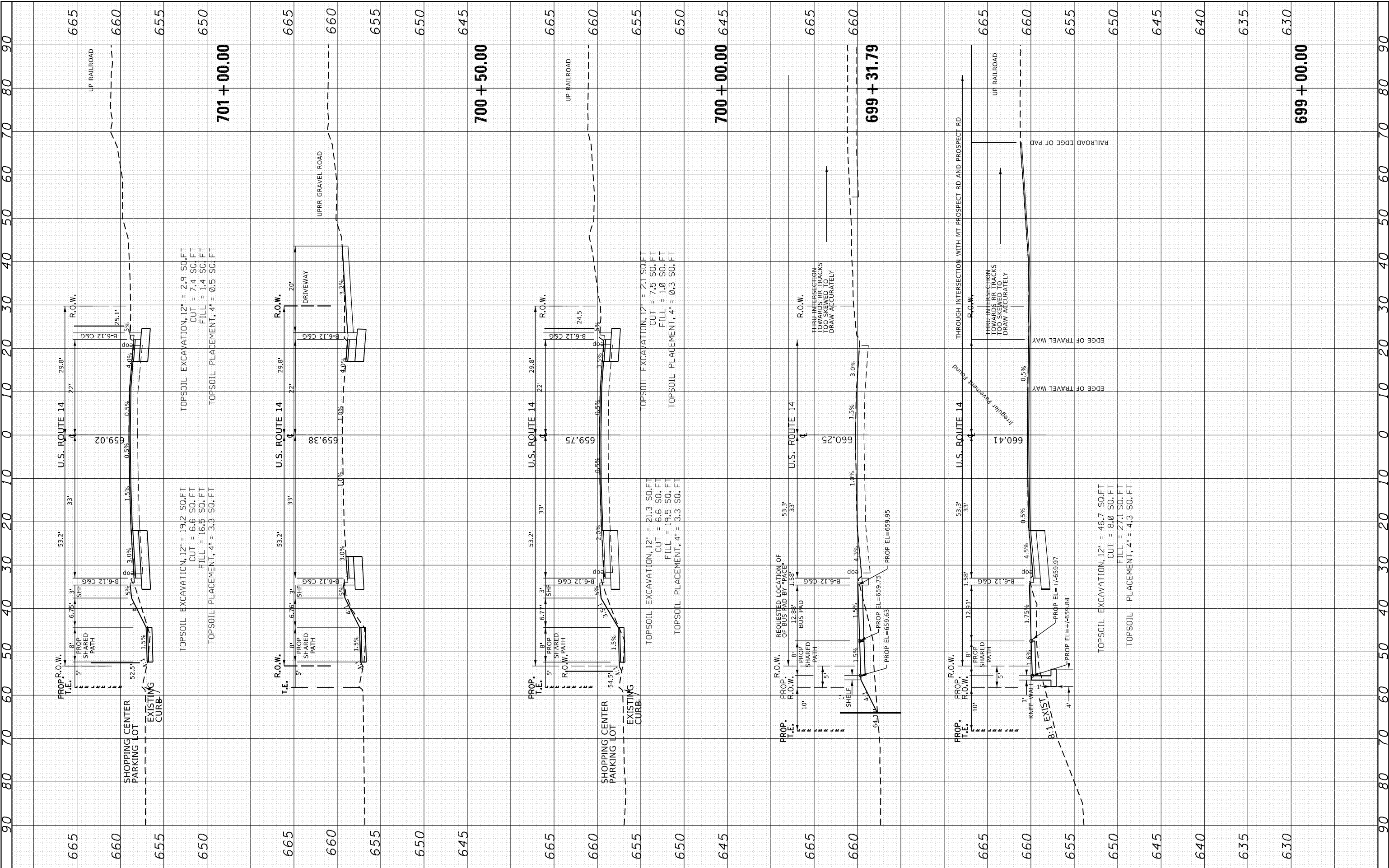
FILE NAME =	USER NAME = diazio	DESIGNED -	REVISED -
c:\pw\work\pwidot\diazio\0368274\PI39513-sht-x-sht-US14.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/9/2021	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		CROSS SECTIONS U.S. ROUTE 14	
SCALE:	SHEET	OF	SHEETS
STA. 697+25.00		TO STA. 698+56.50	

F.A.U. R.T.E. 3512	SECTION 2019-006-N	COUNTY COOK	TOTAL SHEETS 146	SHEET NO. 139
CONTRACT NO. 62H87				
ILLINOIS FED. AID PROJECT				

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

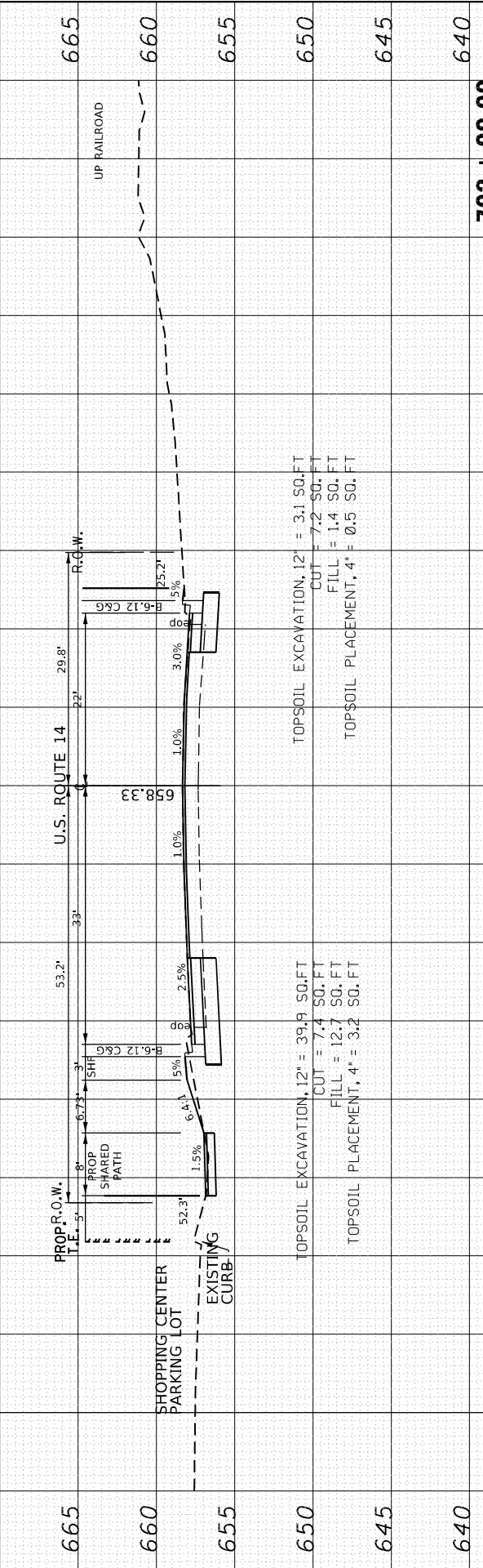
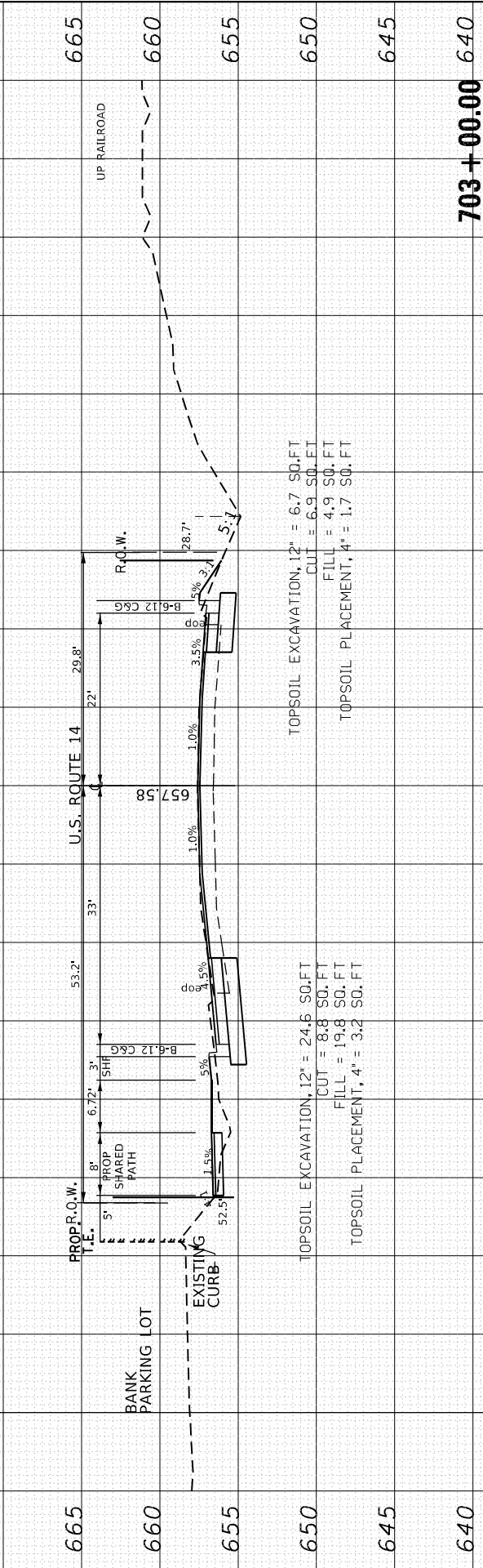
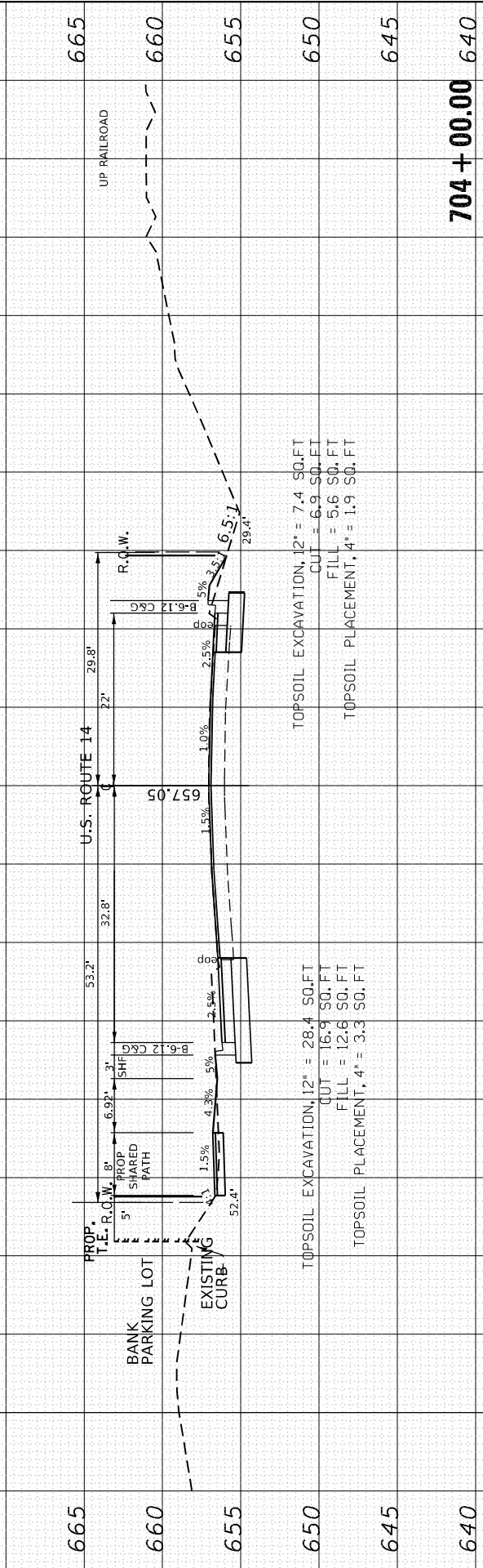
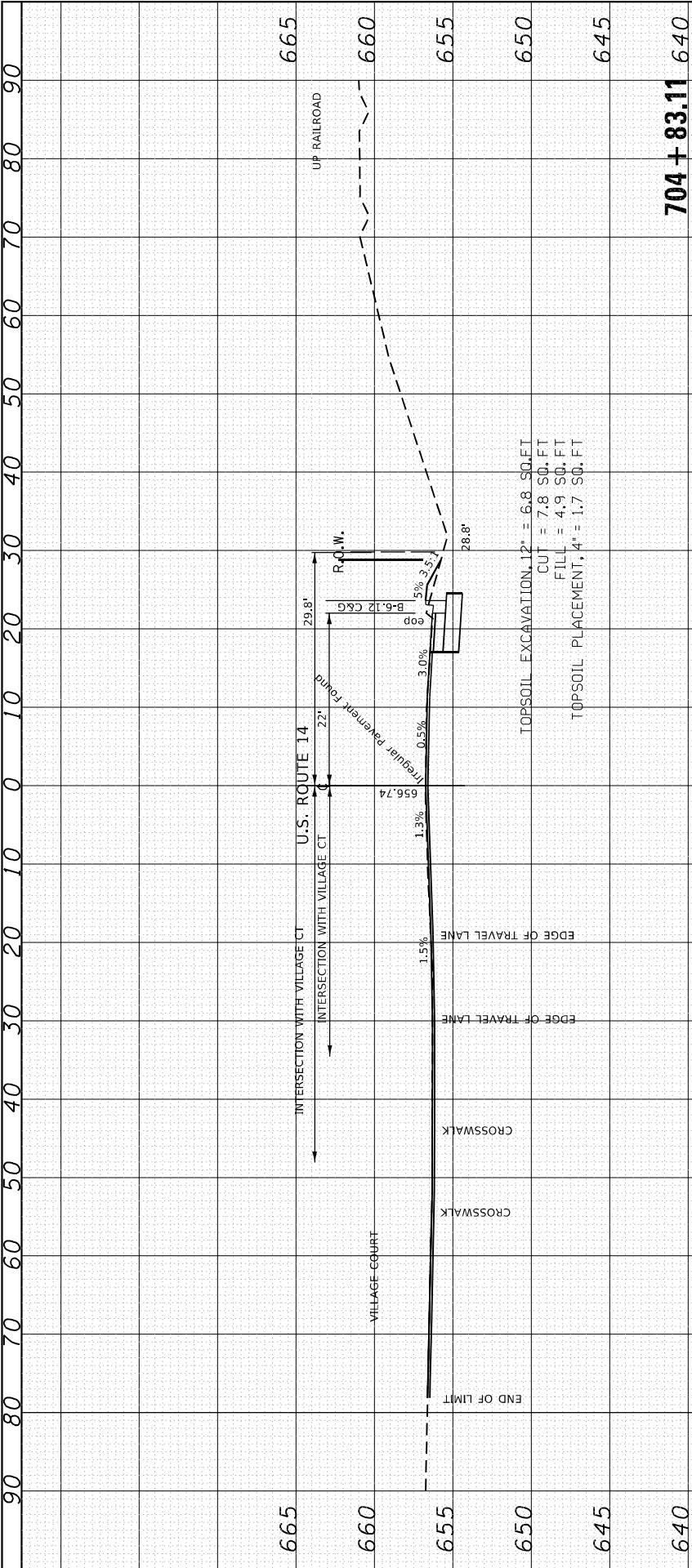
ORIGINAL SURVEY NOTE BOOK NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME =	USER NAME = diazio	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw\work\p\widot\diazio\d0368274\PI39513-sht-x	sh1-US14.dgn	DRAWN -	REVISED -		U.S. ROUTE 14				3512	2019-006-N	COOK	146	140
	PLOT SCALE = 1/9,9886 ' / in.	CHECKED -	REVISED -						CONTRACT NO. 62H87				
Default	PLOT DATE = 8/9/2021	DATE -	REVISED -		SCALE: SHEET OF SHEETS				STA. 699+00.00 TO STA. 701+00.00				
									ILLINOIS FED. AID PROJECT				

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

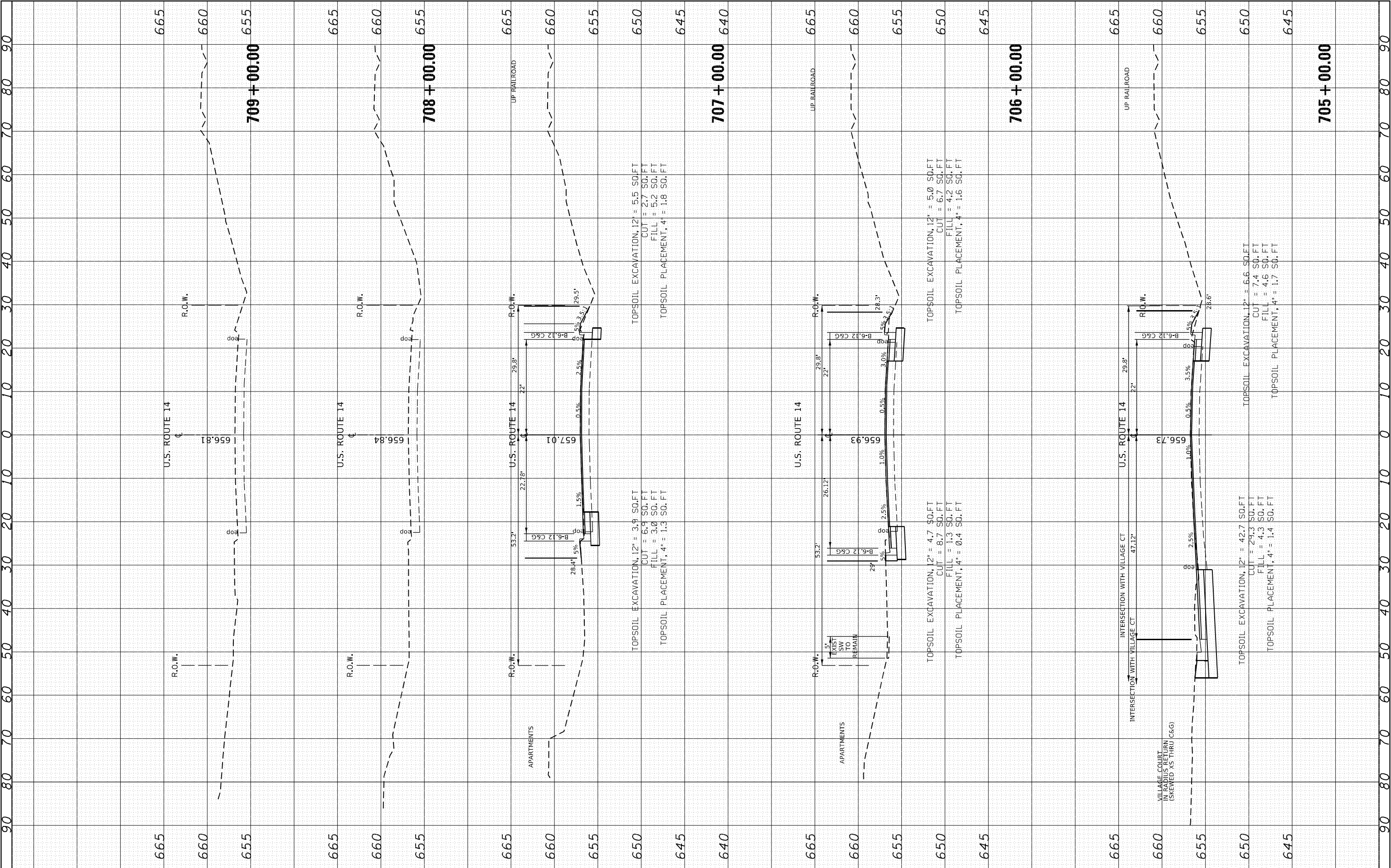
ORIGINAL SURVEY NOTE BOOK NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME =		USER NAME = diazio		DESIGNED -		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS U.S. ROUTE 14				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw-work\pwwork\diazio\0368274\139513-shr-x-shr-US14.dgn		DRAWN -		REVISED -		REVISED -			3512	2019-006-N	COOK	146	141				
PLOT SCALE = 20.0000 ' / in.		CHECKED -		REVISED -		REVISED -							CONTRACT NO. 62H87				
PLOT DATE = 8/9/2021		DATE -		REVISED -		REVISED -											
Default										SCALE:	SHEET	OF	SHEETS	STA. 702+00.00	TO STA. 704+83.11		
																ILLINOIS FED. AID PROJECT	

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

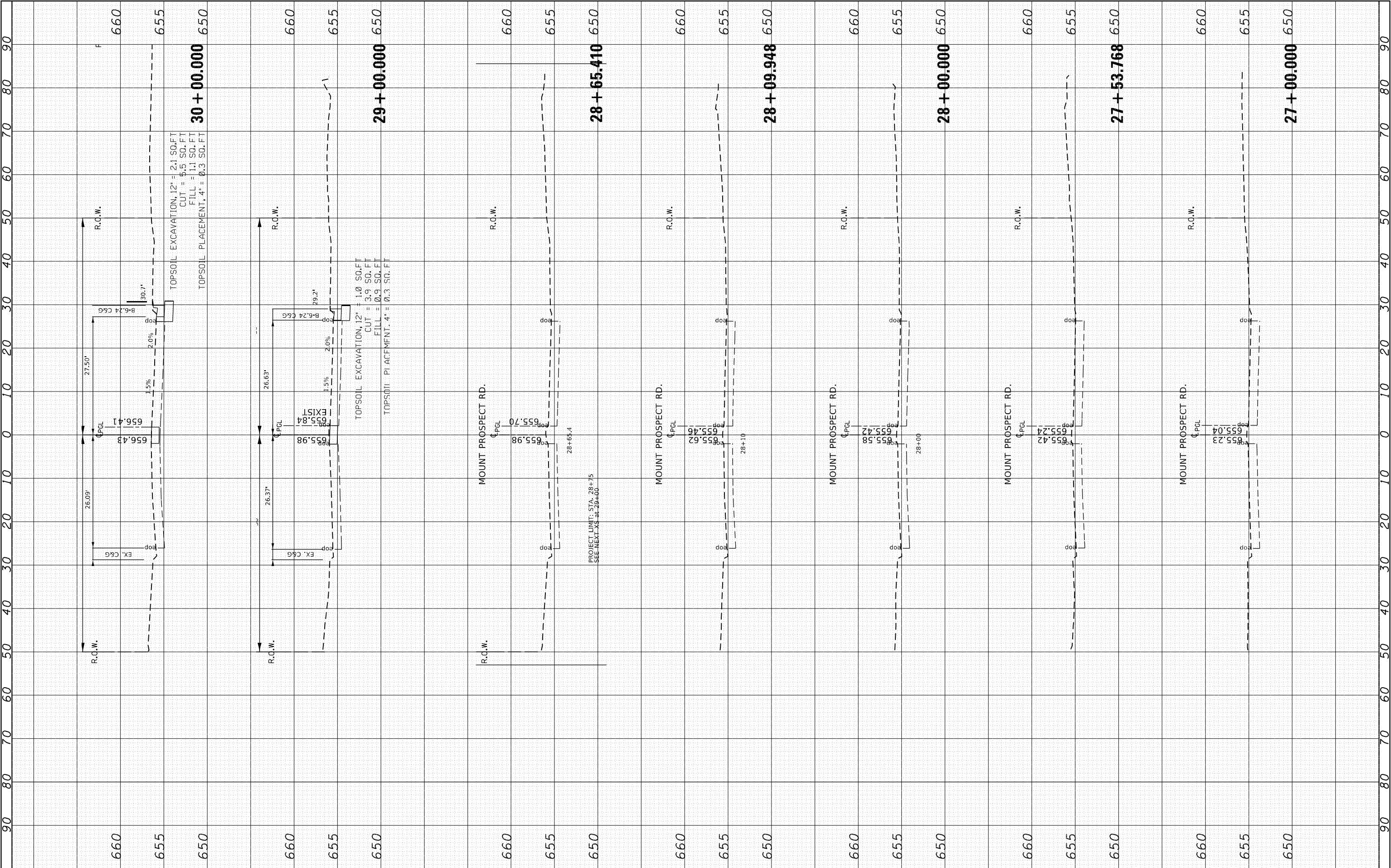
ORIGINAL SURVEY	SURVEYED _____		BY _____	DATE _____
	PLOTTED _____			
	TEMPLATE _____			
	AREAS _____			
NO. _____	AREAS CHECKED _____			



FILE NAME =	USER NAME = diezio	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS U.S. ROUTE 14				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw-work\pwidot\diezio\d0368274\PI39513-sh-t-x-sh-t-US14.dgn	DRAWN -	REVISED -	3512						2019-006-N	COOK	146	142	
	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -		CONTRACT NO. 62H87								
Default	PLOT DATE = 8/9/2021	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA. 705+00.00	TO STA. 709+00.00	ILLINOIS FED. AID PROJECT		

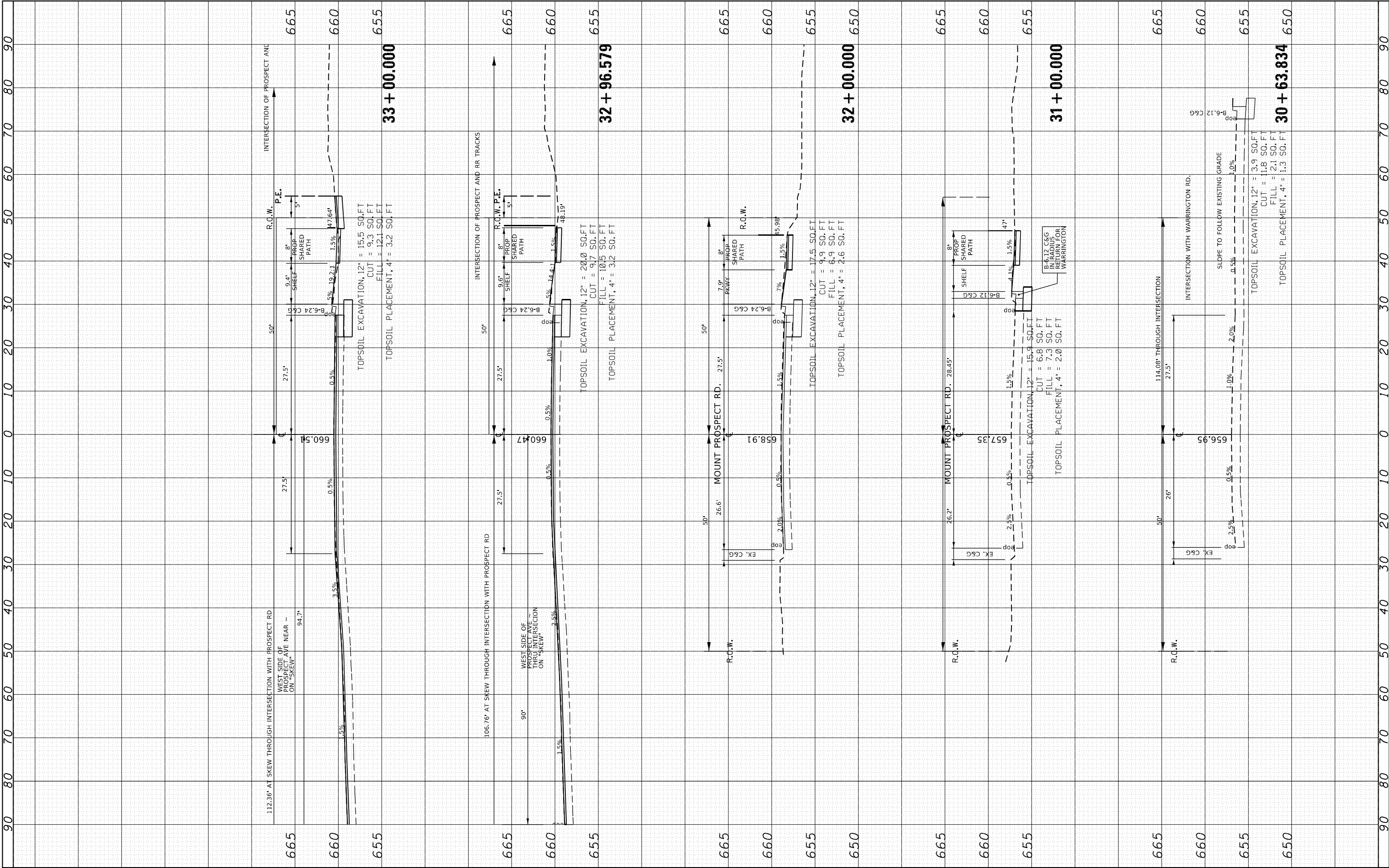
FINL SURVY	NO.	BY	DATE	SURVEYED	BY	DATE
				PLOTTED		
				TEMPLATE		
				AREAS CHECKED		

ORIGINAL SURVEY	NO.	BY	DATE	SURVEYED
				PLOTTED
				TEMPLATE
				AREAS CHECKED



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

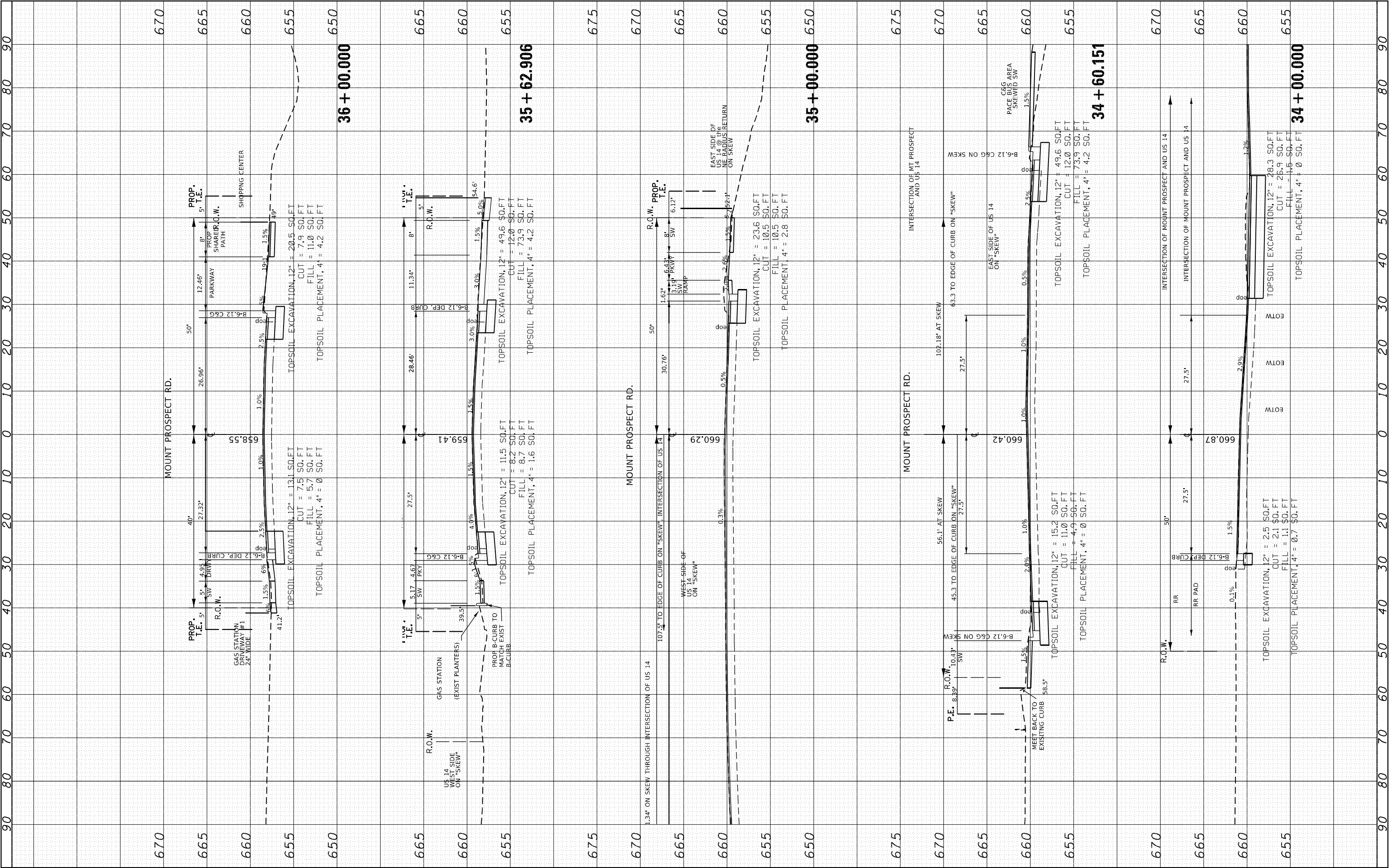
ORIGINAL SURVEY NOTE BOOK NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME =	USER NAME = diazio	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS U.S. ROUTE 14 AT MOUNT PROSPECT RD.				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pw\work\p\widot\diazio\d0368274\P139513-sh-t-x	sh-t-MountProspect.dgn	DRAWN -	REVISED -						3512	2019-006-N	COOK	146	144	
	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 62H87									
Default	PLOT DATE = 8/9/2021	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA. 30+63.834	TO STA. 33+00.000	ILLINOIS FED. AID PROJECT			

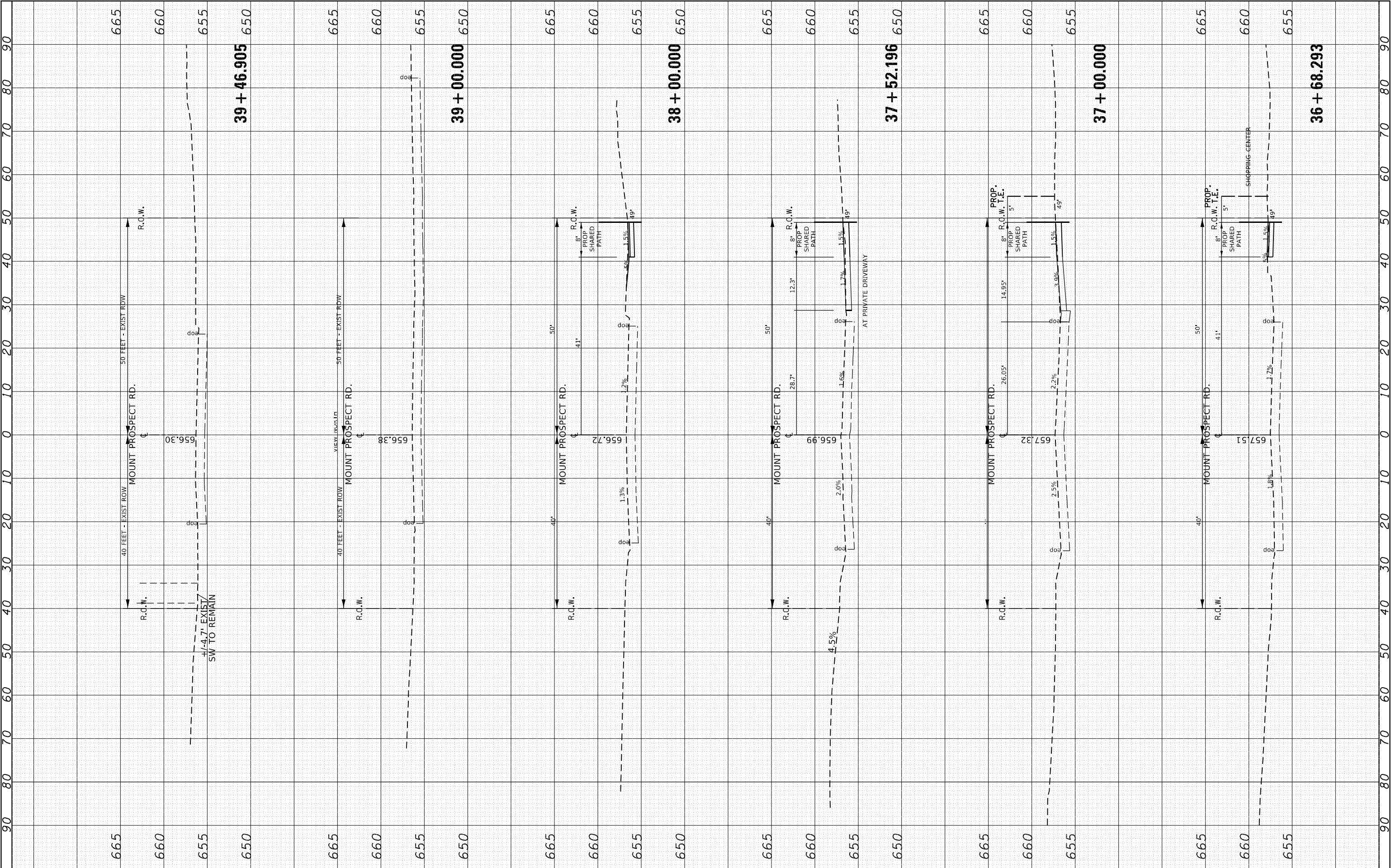
FINL SURVEY NOTE BOOK NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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



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

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



FILE NAME =	USER NAME = diazio	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS				F.A.U.	SECTION	COUNTY	TOTAL	SHEET
c:\p\work\p\idot\diazio\id0368274\p139513-sh-t-x-sh-t-MountProspect.dgn	DRAWN -	REVISED -	REVISED -		U.S. ROUTE 14 AT MOUNT PROSPECT RD.				NO.			SHEETS	NO.
	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -		3512	2019-006-N	COOK	146	146				
Default	PLOT DATE = 8/9/2021	DATE -	REVISED -						CONTRACT NO. 62H87				
					SCALE:	SHEET	OF	SHEETS	STA. 36+68.293	TO STA. 39+46.905	ILLINOIS FED. AID PROJECT		