

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	1
		ILLINOIS	CONTRACT NO. 62A38	

PROPOSED HIGHWAY PLANS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN THE VILLAGES OF MAYWOOD AND FOREST PARK

TRAFFIC DATA:

IL 171 (1st AVE.)
SPEED LIMIT - 35 TO 40 MPH
2012 ADT - 26400 TO 29100
2014 ADT - 28700 TO 29800

ROOSEVELT RD.
SPEED LIMIT - 30 TO 35 MPH
2010 ADT - 36000 TO 39600
2015 ADT - 21900

**F.A.P. 372 /IL. ROUTE 171 (1ST AVENUE)
AT ROOSEVELT ROAD
TRAFFIC SIGNAL MODERNIZATION
AND CHANNELIZATION
SECTION NO.: 3091-TS&N-1
PROJECT: HSIP-NHPP-FX6K(552)
COOK COUNTY
C-91-170-15**

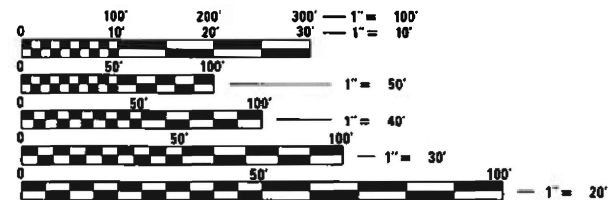


IL 171 (1ST AVE.)
PROJECT ENDS
STA. 71 + 32

ROOSEVELT RD.
PROJECT ENDS
STA. 69 + 00

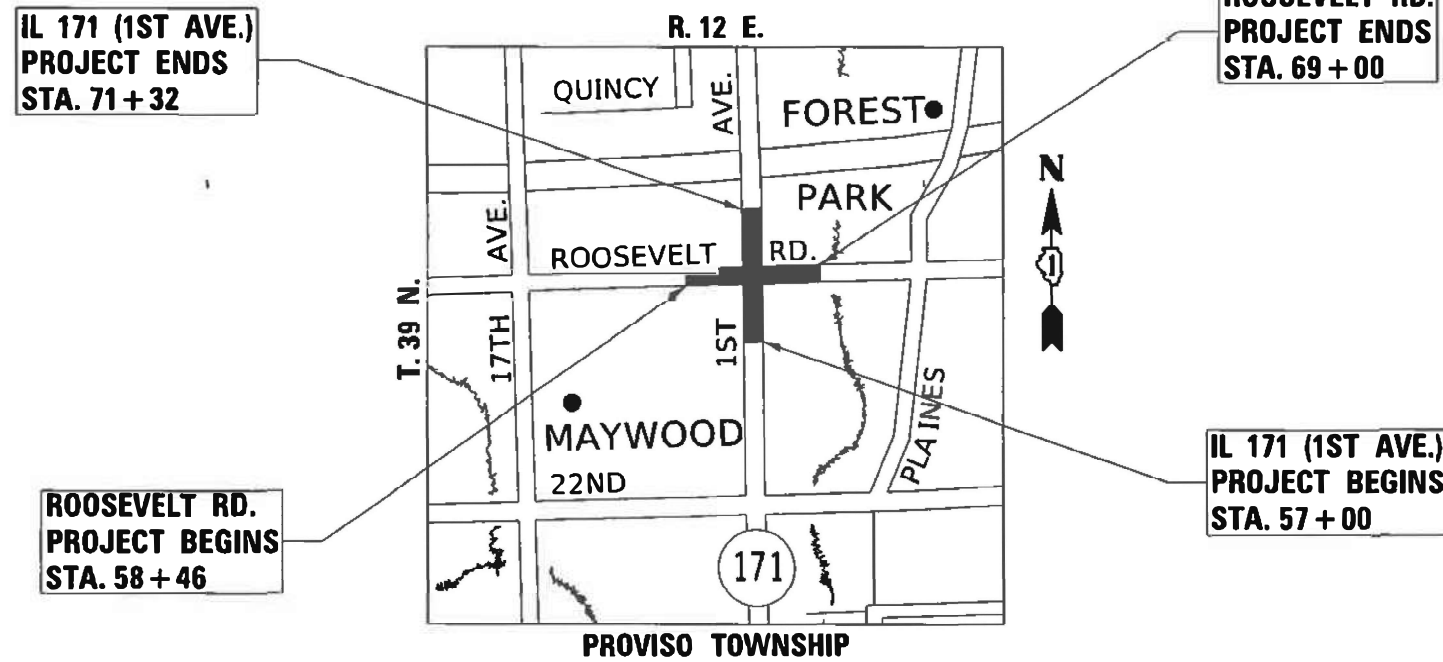
ROOSEVELT RD.
PROJECT BEGINS
STA. 58 + 46

IL 171 (1ST AVE.)
PROJECT BEGINS
STA. 57 + 00



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



PROJECT ENGINEER: VESELIN VELICHKOV (847) 705-4432
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

IL 171 (1ST AVE.): GROSS AND NET LENGTH OF IMPROVEMENT - 1432 FT. - 0.27 MILES
ROOSEVELT RD.: GROSS AND NET LENGTH OF IMPROVEMENT - 1054 FT. - 0.20 MILES

CONTRACT NO. 62A38

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED MARCH 17 20 20
Andrew J. D'Amico REGIONAL ENGINEER
May 8, 2020
Joe A. Elk
ENGINEER OF DESIGN AND ENVIRONMENT
May 8, 2020
James J. [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

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STATE STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SURVEY
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424021-05	DEPRESSED CORNER RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
602001-02	CATCH BASIN, TYPE A
602401-06	PRECAST MANHOLE, TYPE A, 4FT. DIAMETER
602406-10	PRECAST MANHOLE, TYPE A, 6FT. DIAMETER
604001-05	FRAME AND LIDS, TYPE 1
604091-03	FRAME AND GRATE, TYPE 24
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701101-05	OFF-ROAD OPERATIONS, MULTILANE 15 FT (4.5 m) TO 24 IN. (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15 FT. (4.5 m) AWAY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS FOR SPEEDS LESS THAN OR EQUAL TO 45 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NON-TRAVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BI-DIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	LANE CLOSURE, MULTILANE, 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
704001-08	TEMPORARY CONCRETE BARRIER
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS
814001-03	CONCRETE HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNITERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING AND BONDING
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16 FT. THRU 55 FT.
877006-06	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS
878001-10	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 "JULIE" AT 800-892-0123 OR "CUAN" (CHICAGO UTILITY ALERT NETWORK) AT 312-744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES, (48 HOURS NOTIFICATION IS REQUIRED).

10 FEET (3 METERS) TRANSITION SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE UTILITY COMPANIES AND THE VILLAGES OF MAYWOOD AND FOREST PARK.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (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.

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 (40 mm) 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 MACHINE IS SLOPED A MINIMUM (1:3).

THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.

ANY DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

FOR FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING, REUSE EXISTING FRAMES AND LIDS UNLESS OTHERWISE SPECIFIED IN THE PLANS.

LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (OR COMBINATION CURB AND GUTTER, WITH THE TYPE SPECIFIED ON THE PLANS), WILL BE DETERMINED IN THE FIELD BY TH ENGINEER.

FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE PROJECT LIMITS SHALL BE DONE BY THEIR REPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.

SIDEWALK REMOVAL AND P.C.C. SIDEWALK, 5 INCH LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.

PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKING ON FINAL SURFACES. THE COST OF THE PAVEMENT MARKING TAPE, TYPE III AND ITS REMOVAL SHALL BE INCLUDED IN THE COST OF SHORT TERM PAVEMENT MARKING.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL CENTER AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

PERMANENT PAVEMENT MARKINGS SHALL BE THERMOPLASTIC (OF THE EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH THE "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" DETAIL. (TC-13)

THE RESIDENT ENGINEER SHALL CONTACT PATRICE HARRIS, AREA TRAFFIC FIELD TECHNICIAN, VIA E-MAIL AT PATRICE.HARRIS@ILLINOIS.GOV, A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSION AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM AND FOUNDATION AND VERIFYING THE MAST ARM LENGTHS.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

FOR STORM SEWER CONSTRUCTED UNDER ROADWAY, BACKFILLING METHODS TWO AND THREE AUTHORIZED UNDER PROVISIONS OF ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED.

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

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER, REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATION UNLESS A SEPERATE PAY ITEM HAS BEEN PROVIDED.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
FAP 372 /IL ROUTE 171(1ST AVENUE) AT ROOSEVELT ROAD**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-T5&N-1	COOK	103	2
CONTRACT NO. 62A38				
		ILLINOIS	FED. AID PROJECT	

REV-SEP

GENERAL NOTES (CONT.):

"POROUS GRANULAR EMBANKMENT, SUBGRADE (P.G.E.S.) HAS BEEN PROVIDED FOR USE FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH P.G.E.S. WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIAL UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 OF THE STANDARD SPECIFICATIONS AND GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH P.G.E.S. OR EMBANKMENT AS DETERMINED BY THE GEOTECHNICAL ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR."

THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY AND EQUIPMENT, LEASED ENFORCEMENT CAMERA FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATIONS.

THE CONTRACTOR SHALL CAN "J.U.L.I.E." AT (800) 892-0123 OR 811. IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).

RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEMS SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACE SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT, ETC., SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS 250 AND 252 RESPECTIUELY.

IF THIS CONTRACT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING IDOT EXISTING ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK, IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT ELECTRICAL FACILITIES FROM THE DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUEST SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATION OF UNDERGROUND FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.

THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICT WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
FAP 372 /IL ROUTE 171(1ST AVENUE) AT ROOSEVELT ROAD**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	3
				CONTRACT NO. 62A38
		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		90% FEDERAL 10% STATE ROADWAY ITEMS	90% FEDERAL 10% STATE LANDSCAPING ITEMS	TRAFFIC SIGNALS IL 171 @ ROOSEVELT RD. INTERCONNECT	TRAFFIC SIGNALS 80% FEDERAL 20% VILLAGE OF FOREST PARK	DRAINAGE IMPROVEMENT ROOSEVELT RD. @ 17TH AVE.	
				0004	0031	0021	0021	0043	
20200100	EARTH EXCAVATION	CU YD	297	297					
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	30	30					
20800150	TRENCH BACKFILL	CU YD	522	438			84		
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SO YD	72	72					
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	13	13					
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	13	13					
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	13	13					
25200110	SODDING, SALT TOLERANT	SO YD	1022	1022					
25200200	SUPPLEMENTAL WATERING	UNIT	4	4					
28000400	PERIMETER EROSION BARRIER	FOOT	3975	3975					
28000500	INLET AND PIPE PROTECTION	EACH	21	21					
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	48	48					
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	284	284					
35501314	HOT-MIX ASPHALT BASE COURSE, 7 1/2"	SO YD	199	199					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	12340	12340					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
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				0004	0031	0021	0021	0043	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	28	28					
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4, 75, N50	TON	763	763					
40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	1811	1811					
42001300	PROTECTIVE COAT	SO YD	955	955					
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SO YD	18	18					
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SO FT	116	116					
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SO FT	6350	6350					
42400800	DETECTABLE WARNINGS	SO FT	128	128					
44000100	PAVEMENT REMOVAL	SO YD	2751	2751					
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	18280	18280					
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	15	15					
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	797	797					
44000600	SIDEWALK REMOVAL	SO FT	3066	3066					

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				0004	0031	0021	0021	0043	
44201711	CLASS D PATCHES, TYPE IV, 5 INCH	SO YD	50					50	
44201851	CLASS D PATCHES, TYPE II, 17 INCH	SO YD	229	229					
44201855	CLASS D PATCHES, TYPE III, 17 INCH	SO YD	137	137					
44201857	CLASS D PATCHES, TYPE IV, 17 INCH	SO YD	92	92					
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	369	369					
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	202	202					
550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	280	280					
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	11				11		
550A0700	STORM SEWERS, CLASS A, TYPE 3 21"	FOOT	10				10		
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	230	230					
60200105	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	5	5					
60203805	CATCH BASINS, TYPE A, 5' -DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	3	3					
60203905	CATCH BASINS, TYPE A, 5' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3					
60218400	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	3			1		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		90% FEDERAL 10% STATE ROADWAY ITEMS	90% FEDERAL 10% STATE LANDSCAPING ITEMS	TRAFFIC SIGNALS IL 171 @ ROOSEVELT RD. INTERCONNECT	TRAFFIC SIGNALS 80% FEDERAL 20% VILLAGE OF FOREST PARK	DRAINAGE IMPROVEMENT ROOSEVELT RD. @ 17TH AVE.	
				0004	0031	0021	0021	0043	
60219000	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 8 GRATE	EACH	1	1					
60221100	MANHOLES, TYPE A, 5' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2				2		
60223800	MANHOLES, TYPE A, 6' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1					
60237460	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	EACH	3	3					
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	52				52		
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	756	756					
60619200	CONCRETE MEDIAN, TYPE SB-6.06	SO FT	2620	2620					
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	25	25					
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2					
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1					
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1					
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	20	20					

REV-SEP

* SPECIALTY ITEMS
 NON-PARTICIPATING ITEMS

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE						SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		90% FEDERAL 10% STATE ROADWAY ITEMS	90% FEDERAL 10% STATE LANDSCAPING ITEMS	TRAFFIC SIGNALS IL 171 @ ROOSEVELT RD. INTERCONNECT	TRAFFIC SIGNALS 80% FEDERAL 20% VILLAGE OF FOREST PARK	DRAINAGE IMPROVEMENT ROOSEVELT RD. @ 17TH AVE.	CODE NO	ITEM	UNIT	90% FEDERAL 10% STATE ROADWAY ITEMS		90% FEDERAL 10% STATE LANDSCAPING ITEMS	TRAFFIC SIGNALS IL 171 @ ROOSEVELT RD. INTERCONNECT	TRAFFIC SIGNALS 80% FEDERAL 20% VILLAGE OF FOREST PARK	DRAINAGE IMPROVEMENT ROOSEVELT RD. @ 17TH AVE.		
				0004	0031	0021	0021	0043				0004		0031	0021	0021	0043		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6															
67100100	MOBILIZATION	LSUM	1	1					*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	583	583					
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2164	2164															
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	361	361					*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	7929	7789		140			
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	583	583					*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2384	2384					
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	7789	7789					*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	755	755					
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	2384	2384					*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	227	200		27			
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	755	755															
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	200	200					*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	272	272					
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	14348	14348						78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	224	224					
70300900	PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS	SO FT	915	915						81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	2291		2291				
70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	20966	20966						81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	105		105				
70300906	PAVEMENT MARKING TAPE, TYPE IV 6"	FOOT	7010	7010						81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	545		545				
70300912	PAVEMENT MARKING TAPE, TYPE IV 12"	FOOT	532	532															
70300924	PAVEMENT MARKING TAPE, TYPE IV 24"	FOOT	537	537															

REV-SEP

* SPECIALTY ITEMS

NON-PARTICIPATING ITEMS

FILE NAME =	USER NAME = Veltchikov	DESIGNED -	REVISED -
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	PLOT DATE = 3/27/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
FAP 372 / IL 171 (1st AVENUE) AT ROOSEVELT ROAD			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	6
CONTRACT NO. 62A38				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		90% FEDERAL 10% STATE ROADWAY ITEMS	90% FEDERAL 10% STATE LANDSCAPING ITEMS	TRAFFIC SIGNALS IL 171 @ ROOSEVELT RD. INTERCONNECT	TRAFFIC SIGNALS 80% FEDERAL 20% VILLAGE OF FOREST PARK	DRAINAGE IMPROVEMENT ROOSEVELT RD. @ 17TH AVE.
				0004	0031	0021	0021	0043
81400100	HANDHOLE	EACH	6		6			
81400200	HEAVY-DUTY HANDHOLE	EACH	4		4			
81400300	DOUBLE HANDHOLE	EACH	2		2			
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3		3			
86400100	TRANSCEIVER - FIBER OPTIC	EACH	1		1			
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	3211		3211			
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1497		1497			
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2267		2267			
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2916		2916			
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1520		1520			
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2945		2945			
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	138		138			

SUMMARY OF QUANTITIES				TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES		90% FEDERAL 10% STATE ROADWAY ITEMS	90% FEDERAL 10% STATE LANDSCAPING ITEMS	TRAFFIC SIGNALS IL 171 @ ROOSEVELT RD. INTERCONNECT	TRAFFIC SIGNALS 80% FEDERAL 20% VILLAGE OF FOREST PARK	DRAINAGE IMPROVEMENT ROOSEVELT RD. @ 17TH AVE.
					0004	0031	0021	0021	0043
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	758			758			
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3			3			
87700210	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1			1			
87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1			1			
87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1			1			
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20			20			
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4			4			
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	37			37			
87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	22			22			
87900200	DRILL EXISTING HANDHOLE	EACH	3			3			
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8			8			

FILE NAME =	USER NAME = Veltchikov	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
FAP 372 /IL 171 (1st AVENUE) AT ROOSEVELT ROAD**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	7
CONTRACT NO. 62A38				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

* SPECIALTY ITEMS
□ NON-PARTICIPATING ITEMS

REV-SEP

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		90% FEDERAL 10% STATE ROADWAY ITEMS	90% FEDERAL 10% STATE LANDSCAPING ITEMS	TRAFFIC SIGNALS IL 171 @ ROOSEVELT RD. INTERCONNECT	TRAFFIC SIGNALS 80% FEDERAL 20% VILLAGE OF FOREST PARK	DRAINAGE IMPROVEMENT ROOSEVELT RD. @ 17TH AVE.
				0004	0031	0021	0021	0043
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4		4			
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2		2			
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6		6			
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8		8			
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	14		14			
88500100	INDUCTIVE LOOP DETECTOR	EACH	11		11			
88600100	DETECTOR LOOP, TYPE I	FOOT	903		903			
88700200	LIGHT DETECTOR	EACH	3			3		
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1			1		
88800100	PEDESTRIAN PUSH-BUTTON	EACH	8		8			
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1			
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2722		2722			
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1			

SUMMARY OF QUANTITIES				TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES		90% FEDERAL 10% STATE ROADWAY ITEMS	90% FEDERAL 10% STATE LANDSCAPING ITEMS	TRAFFIC SIGNALS IL 171 @ ROOSEVELT RD. INTERCONNECT	TRAFFIC SIGNALS 80% FEDERAL 20% VILLAGE OF FOREST PARK	DRAINAGE IMPROVEMENT ROOSEVELT RD. @ 17TH AVE.
					0004	0031	0021	0021	0043
89502380	REMOVE EXISTING HANDHOLE	EACH	14			14			
89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	2			2			
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9			9			
X0322080	BUS SHELTER REMOVE AND RELOCATE	EACH	1	1					
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	716				716		
X0327294	STORM SEWERS TO BE GROUTED	CU YD	2					2	
X1400108	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1			1			
X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1			1			
X4402805	ISLAND REMOVAL	SQ FT	278	278					
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1					
X8600105	MASTER CONTROLLER (SPECIAL)	EACH	1			1			
X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1			1			
X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	7150			7150			

REV-SEP

* SPECIALTY ITEMS
 NON-PARTICIPATING ITEMS

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	90% FEDERAL 10% STATE ROADWAY ITEMS	90% FEDERAL 10% STATE LANDSCAPING ITEMS	TRAFFIC SIGNALS IL 171 @ ROOSEVELT RD. INTERCONNECT	TRAFFIC SIGNALS 80% FEDERAL 20% VILLAGE OF FOREST PARK	DRAINAGE IMPROVEMENT ROOSEVELT RD @ 17TH AVE.	
				0004	0031	0021	0021	0043	
X8760055	PEDESTRIAN PUSH-BUTTON POST, TYPE A	EACH	1			1			
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1					
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	102.8	102.8					
Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL	EACH	1			1			
	2								
Z0062456	TEMPORARY PAVEMENT	SO YD	31	31					
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1			1			
Ø Z0076600	TRAINEES	HOUR	500	500					
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	500	500					

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES						

Ø 0042

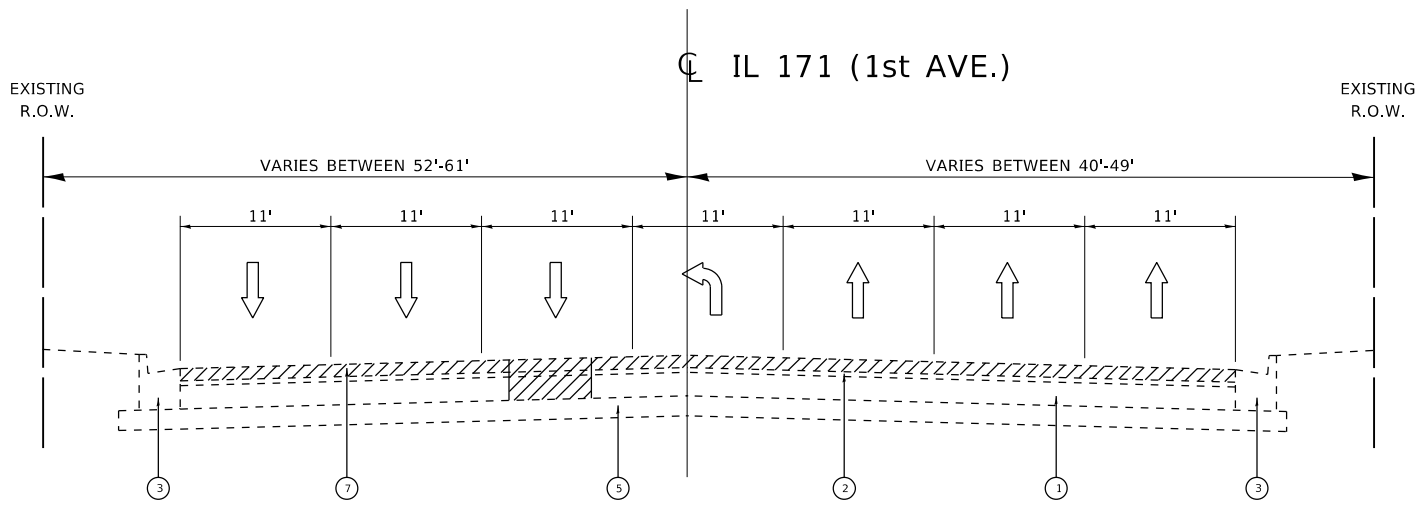
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 * SPECIALTY ITEMS
 □ NON-PARTICIPATING ITEMS

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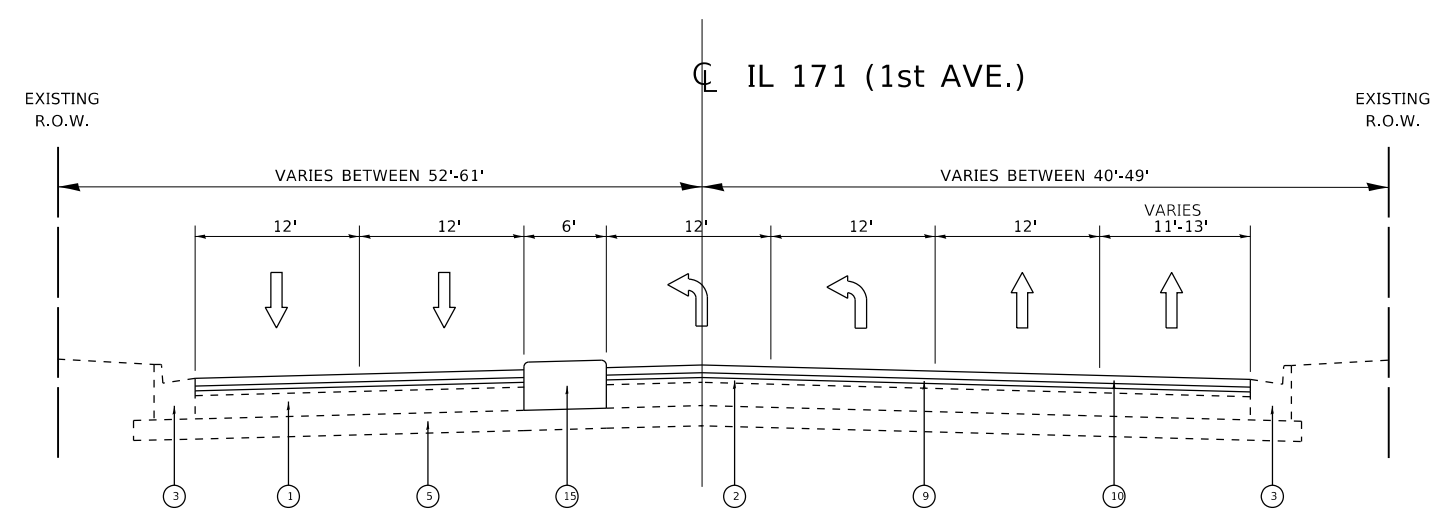
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 FAP 372 /IL 171 (1st AVENUE) AT ROOSEVELT ROAD
 SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
 372 3091-TS&N-1 COOK 103 9
 CONTRACT NO. 62A38
 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



EXISTING TYPICAL SECTION
STA. 57+00 TO 65+00
SOUTH LEG



PROPOSED TYPICAL SECTION
STA. 57+00 TO 65+00
SOUTH LEG

LEGEND :

- ① EXISTING P.C.C. PAVEMENT ±10"
 - ② EXISTING BITUMONOUS SURFACE ±7" (AFTER MILLING)
 - ③ EXISTING CONBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ④ EXISTING P.C.C. SIDEWALK
 - ⑤ EXISTING SUB-BASE GRANULAR MATERIAL
 - ⑥ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - ⑦ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2½"
 - ⑧ PROPOSED HOT-MIX ASPHALT BASE COURSE, 7½"
 - ⑨ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, ¾"
 - ⑩ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1¾"
 - ⑪ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ⑫ PROPOSED P.C.C. SIDEWALK
 - ⑬ PROPOSED TOPSOIL FURNISH AND PLACE, 4"
 - ⑭ PROPOSED SODDING
 - ⑮ PROPOSED P.C.C. BARRIER MEDIAN
- R CURB AND GUTTER REMOVAL AND REPLACEMENT
(AS DIRECTED BY THE ENGINEER)
- ▨ DENOTES ITEMS TO BE REMOVED

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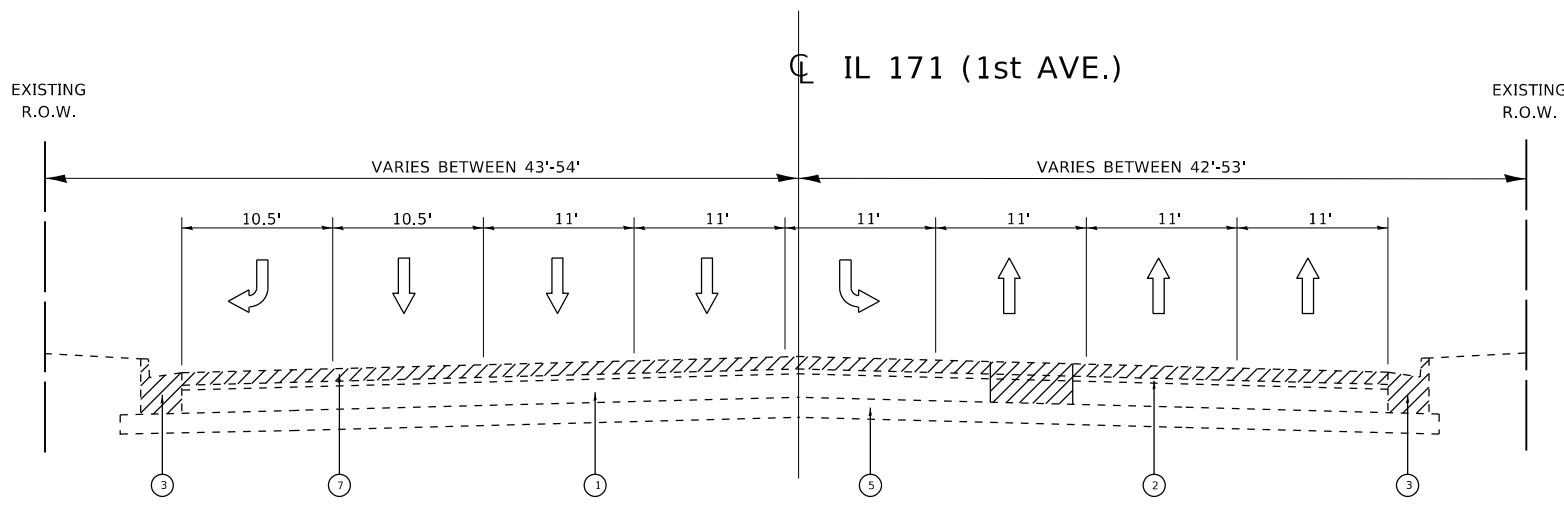
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

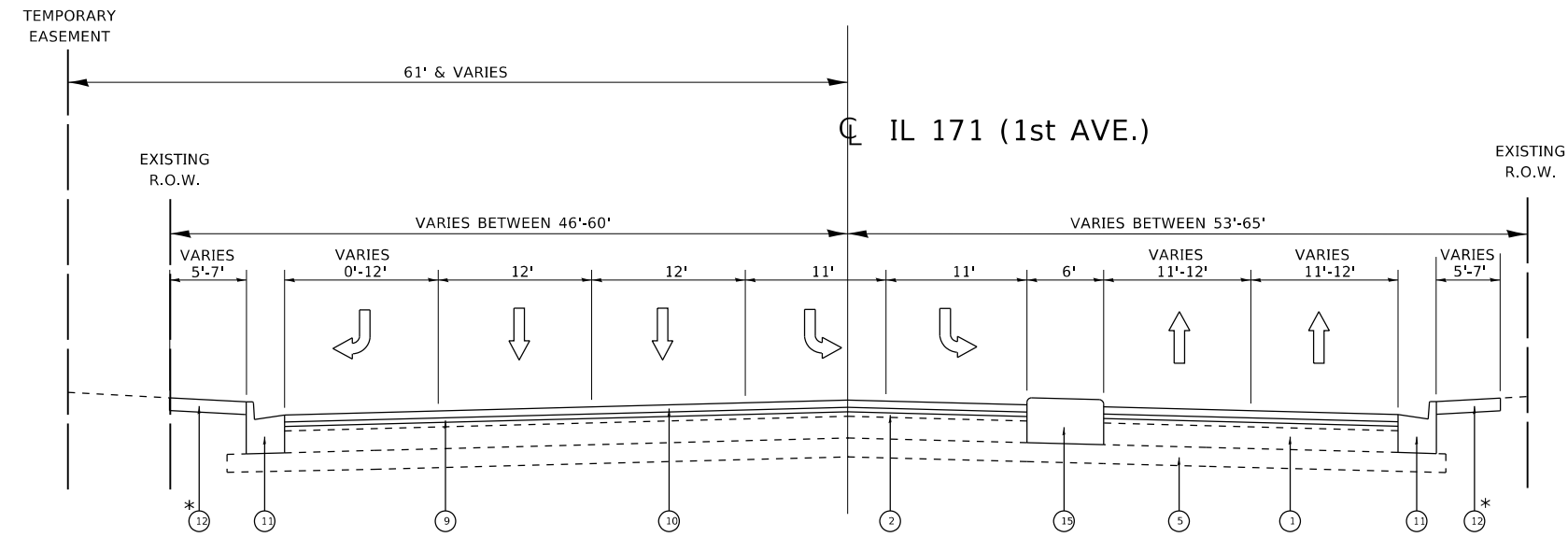
EXISTING AND PROPOSED TYPICAL SECTIONS
FAP 372 /IL ROUTE 171(1ST AVENUE) AT ROOSEVELT ROAD

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	10
CONTRACT NO. 62A38				
		ILLINOIS	FED. AID PROJECT	



EXISTING TYPICAL SECTION
STA. 65+00 TO 71+32
NORTH LEG



PROPOSED TYPICAL SECTION
STA. 65+00 TO 71+32
NORTH LEG

LEGEND:

- ① EXISTING P.C.C. PAVEMENT ±10"
 - ② EXISTING BITUMONOUS SURFACE ±7" (AFTER MILLING)
 - ③ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ④ EXISTING P.C.C. SIDEWALK
 - ⑤ EXISTING SUB-BASE GRANULAR MATERIAL
 - ⑥ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - ⑦ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2½"
 - ⑧ PROPOSED HOT-MIX ASPHALT BASE COURSE, 7½"
 - ⑨ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, ¾"
 - ⑩ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1¾"
 - ⑪ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ⑫ PROPOSED P.C.C. SIDEWALK
 - ⑬ PROPOSED TOPSOIL FURNISH AND PLACE, 4"
 - ⑭ PROPOSED SODDING
 - ⑮ PROPOSED P.C.C. BARRIER MEDIAN
- R CURB AND GUTTER REMOVAL AND REPLACEMENT (AS DIRECTED BY THE ENGINEER)
- ▨ DENOTES ITEMS TO BE REMOVED

NOTE:
* PROP. P.C.C. SIDEWALK
STA. 65+30 TO 66+15

NOTE:
* PROP. P.C.C. SIDEWALK
STA. 65+80 TO 68+41

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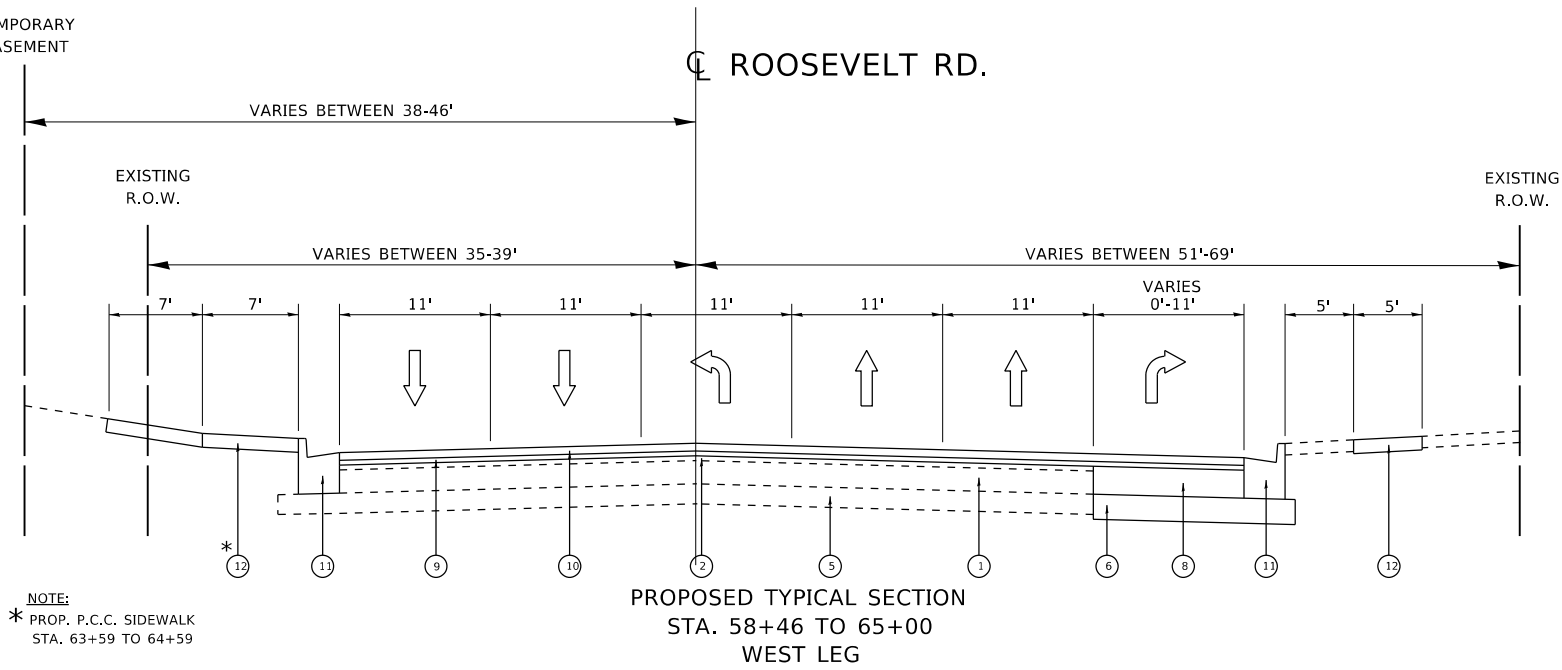
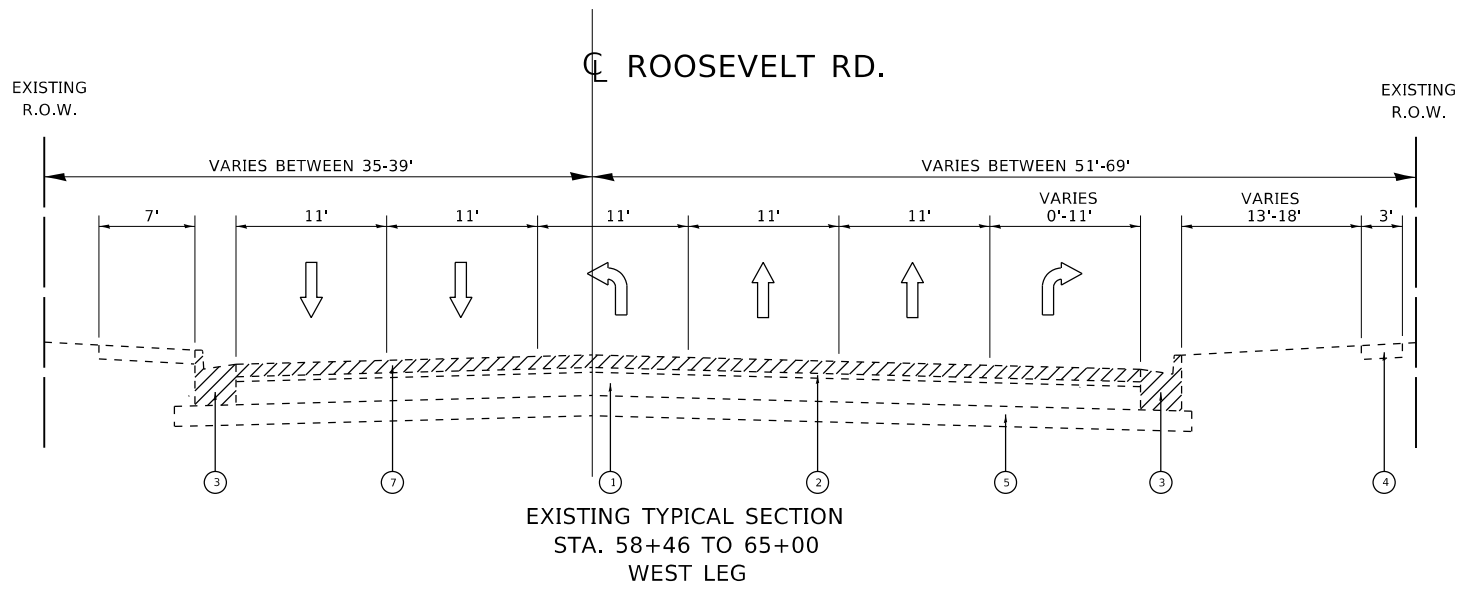
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PLOT DATE = 3/26/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED TYPICAL SECTIONS
FAP 372 /IL ROUTE 171(1ST AVENUE) AT ROOSEVELT ROAD

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	11
CONTRACT NO. 62A38				
		ILLINOIS	FED. AID PROJECT	

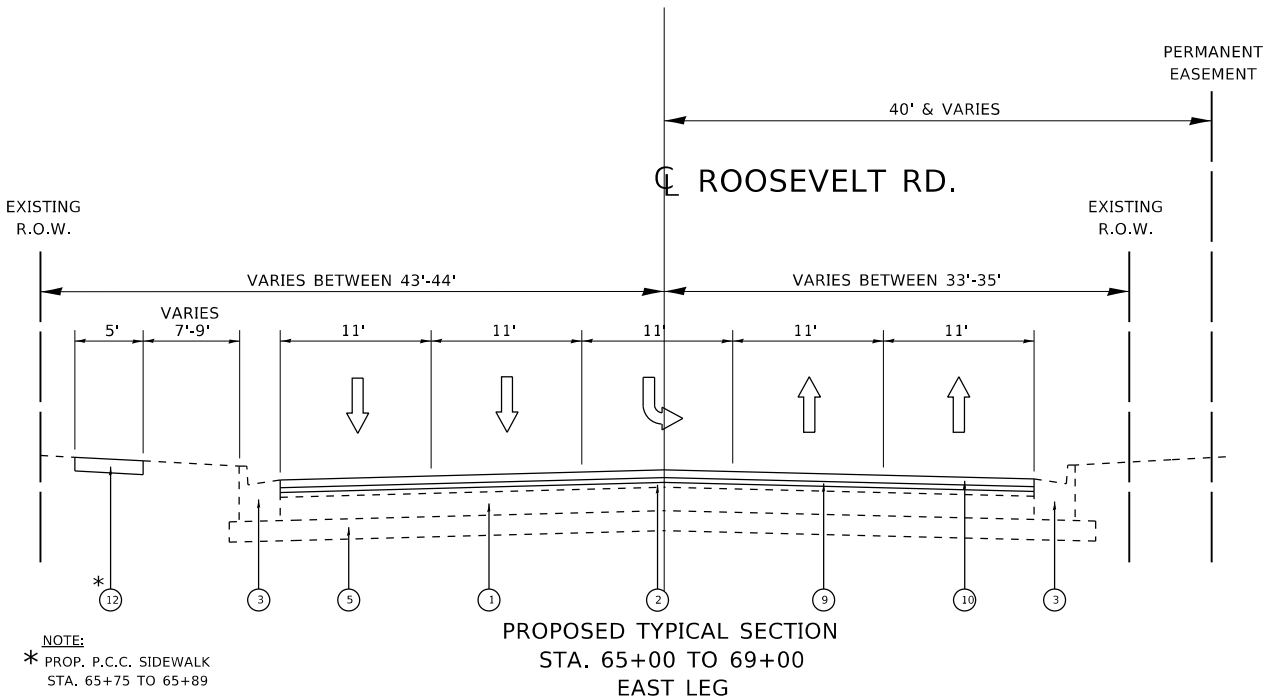
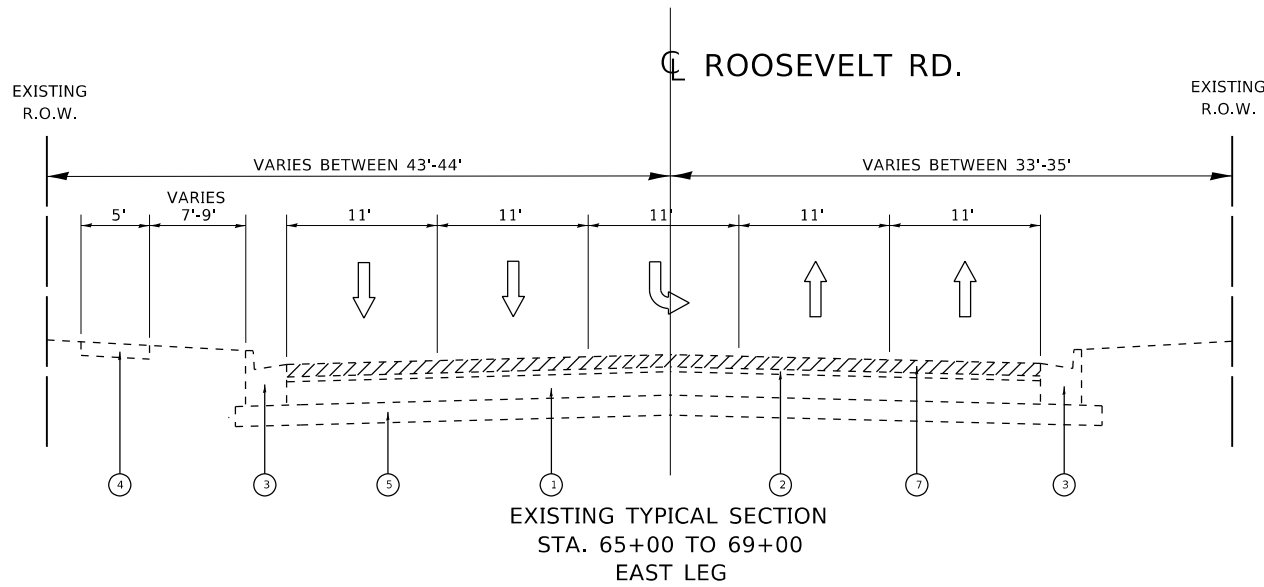


LEGEND:

- ① EXISTING P.C.C. PAVEMENT ±10"
 - ② EXISTING BITUMONOUS SURFACE ±7" (AFTER MILLING)
 - ③ EXISTING CONBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ④ EXISTING P.C.C. SIDEWALK
 - ⑤ EXISTING SUB-BASE GRANULAR MATERIAL
 - ⑥ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - ⑦ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2½"
 - ⑧ PROPOSED HOT-MIX ASPHALT BASE COURSE, 7½"
 - ⑨ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, ¾"
 - ⑩ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1¾"
 - ⑪ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ⑫ PROPOSED P.C.C. SIDEWALK
 - ⑬ PROPOSED TOPSOIL FURNISH AND PLACE, 4"
 - ⑭ PROPOSED SODDING
 - ⑮ PROPOSED P.C.C. BARRIER MEDIAN
- R CURB AND GUTTER REMOVAL AND REPLACEMENT (AS DIRECTED BY THE ENGINEER)
- ▨ DENOTES ITEMS TO BE REMOVED

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				372	3091-TS&N-1	COOK	103	12		
						SCALE: NONE SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 62A38 ILLINOIS FED. AID PROJECT		



LEGEND :

- ① EXISTING P.C.C. PAVEMENT ±10"
 - ② EXISTING BITUMONOUS SURFACE ±7" (AFTER MILLING)
 - ③ EXISTING CONBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ④ EXISTING P.C.C. SIDEWALK
 - ⑤ EXISTING SUB-BASE GRANULAR MATERIAL
 - ⑥ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - ⑦ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2½"
 - ⑧ PROPOSED HOT-MIX ASPHALT BASE COURSE, 7½"
 - ⑨ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, ¾"
 - ⑩ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1¾"
 - ⑪ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ⑫ PROPOSED P.C.C. SIDEWALK
 - ⑬ PROPOSED TOPSOIL FURNISH AND PLACE, 4"
 - ⑭ PROPOSED SODDING
 - ⑮ PROPOSED P.C.C. BARRIER MEDIAN
 - R CURB AND GUTTER REMOVAL AND REPLACEMENT (AS DIRECTED BY THE ENGINEER)
- ▨ DENOTES ITEMS TO BE REMOVED

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USER NAME = steedpa DESIGNED - DRAWN - PLOT SCALE = 99.9900' / in. CHECKED - PLOT DATE = 3/26/2020 DATE -	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED TYPICAL SECTIONS FAP 372 /IL ROUTE 171(1ST AVENUE) AT ROOSEVELT ROAD	F.A.P. RTE. 372	SECTION 3091-TS&N-1	COUNTY COOK	TOTAL SHEETS 103	SHEET NO. 13
				SCALE: NONE SHEET OF SHEETS STA. TO STA.	CONTRACT NO. 62A38 ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE FOR IL 171 (1st AVENUE)

LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (SHRINKAGE FACTOR) 15%	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CUBIC YARDS	CUBIC YARDS	CUBIC YARDS	CUBIC YARDS
STA. 62+00 TO 63+00	0	0	0	0
STA. 63+00 TO 64+00	0	0	0	0
STA. 64+00 TO 66+00	6.15	5.23	0	+5.23
STA. 66+00 TO 67+00	3.07	2.61	0	+2.61
TOTAL	9.22	7.84	0	+7.84

EARTHWORK SCHEDULE FOR ROOSEVELT RD.

LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (SHRINKAGE FACTOR) 15%	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CUBIC YARDS	CUBIC YARDS	CUBIC YARDS	CUBIC YARDS
STA. 59+00 TO 59+25.69	6.89	5.86	0	+5.86
STA. 59+25.69 TO 59+86.41	28.61	24.32	0	+24.32
STA. 59+86.41 TO 60+00	9.38	7.97	0	+7.97
STA. 60+00 TO 61+00	86.26	73.32	0	+73.32
STA. 61+00 TO 61+59.96	44.10	37.49	0.18	+37.31
STA. 61+59.96 TO 62+00	13.79	11.72	0.15	+11.57
STA. 62+00 TO 63+00	16.30	13.86	1.85	+12.01
STA. 63+00 TO 64+00	22.67	19.27	2.81	+16.46
STA. 64+00 TO 64+50.93	25.47	21.65	2.58	+19.07
TOTAL	253.47	215.46	7.57	+207.89

MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
PAVEMENT PATCHING		
CLASS "D" PATCHES (HMA BINDER COURSE, IL-19MM)	4% @ 70 GYR.	QC / QA
PAVEMENT RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 (IL-9.5MM), 1 3/4"	4% @ 70 GYR.	QCP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"	3.5% @ 50 GYR.	QC / QA
PAVEMENT WIDENING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1 3/4" (IL-9.5MM)	4% @ 70 GYR.	QC / QA
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"	3.5% @ 50 GYR.	QC / QA
HOT-MIX ASPHALT BASE COURSE, IL-19.0, N70, 7 1/2"	4% @ 70 GYR.	QC / QA
QMP DESIGNATION: QUALITY CONTROL FOR PERFORMANCE (QCP); QUALITY CONTROL/ QUALITY ASSURANCE (QC/ QA); PAY FOR PERFORMANCE (PFP)		

NOTES:

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT QUANTITIES IS 112 LBS./SQ. YD./ IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

THE MILLING SHALL BE DONE PRIOR TO PATCHING

QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS

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	DRAWN -	REVISED -
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PLOT DATE = 3/26/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES AND MIXTURE REQUIREMENTS FAP 372 /IL ROUTE 171(1ST AVENUE) AT ROOSEVELT ROAD			
SCALE: NONE	SHEET OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE. 372	SECTION 3091-TS&N-1	COUNTY COOK	TOTAL SHEETS 103	SHEET NO. 14
CONTRACT NO. 62A38			ILLINOIS FED. AID PROJECT	

STRUCTURES ON:

IL. ROUTE 171 (1ST AVENUE)

- 1 MH, TY-A, 4 FT. DIA., W/ TY-8 GR
STA. 62+72, 47 FT. (LT)
T.G. 622.41
INV. 618.05
- 2 INL., TY-A, 2 FT. DIA., W/ TY-23 FR & GR
STA. 61+90, 6.5 FT. (LT)
T.G. 622.50
INV. 618.69
- 3 CB, TY-A, 5 FT. DIA., W/ TY-1 FR CL
STA. 62+72, 4.5 FT. (LT)
T.G. 622.68
INV. 618.09 W
INV. 619.30 S
INV. 618.30 N
- 4 INL., TY-A, 2 FT. DIA., W/ TY-23 FR & GR
STA. 63+50, 6.2 FT. (LT)
T.G. 622.80
INV. 618.66
- 5 CB, TY-A, 4 FT. DIA., W/ TY-1 FR OP L
STA. 65+74, 45 FT. (LT)
T.G. 622.52
INV. 619.00
- 6 CB, TY-A, 5 FT. DIA., W/ TY-1 FR CL
STA. 65+67, 10.5 FT. (RT)
T.G. 623.53
INV. 618.72 W
INV. 618.62 N
- 7 CB, TY-A, 4 FT. DIA., W/ TY-1 FR OP L
STA. 65+51, 52.8 FT. (RT)
T.G. 622.27
INV. 617.29 N
INV. 617.29 E
- 8 MH, TY-A, 6 FT. DIA., W/ TY-1 FR CL
STA. 65+75, 48.8 FT. (RT)
T.G. 623.10
INV. 617.57 S
INV. 617.57 N
(WITH RESTRICTOR)
- 9 CB, TY-A, 5 FT. DIA., W/ TY-1 FR CL
STA. 66+60, 10.5 FT. (RT)
T.G. 623.68
INV. 618.17 S
INV. 618.17 N
INV. 618.07 E
- 10 CB, TY-A, 5 FT. DIA., W/ TY-1 FR OP L
STA. 66+62, 46.2 FT. (RT)
T.G. 622.72
INV. 617.82 S
INV. 617.82 N
INV. 617.92 W
- 11 INL., TY-A, 2 FT. DIA., W/ TY-23 FR & GR
STA. 67+50, 12.1 FT. (RT)
T.G. 621.34
INV. 618.59
- 12 CB, TY-A, 5 FT. DIA., W/ TY-1 FR OP L
STA. 67+59, 45.4 FT. (RT)
T.G. 622.97
INV. 618.10 S
INV. 618.10 N
- 13 CB, TY-A, 5 FT. DIA., W/ TY-1 FR OP L
STA. 68+65, 42.5 FT. (RT)
T.G. 622.94
INV. 618.41
- 14 ROOSEVELT ROAD
CB, TY-A, 4 FT. DIA., W/ TY-1 FR OP L
STA. 59+94, 33.5 FT. (RT)
T.G. 623.99
INV. 616.56
- 15 MH, TY-A, 4 FT. DIA., W/ TY-1 FR CL
STA. 59+99, 44.2 FT. (RT)
T.G. 624.31
INV. 616.52
- 16 CB, TY-A, 4 FT. DIA., W/ TY-1 FR OP L
STA. 61+09, 40 FT. (RT)
T.G. 623.65
INV. 616.77

- 17 MH, TY-A, 4 FT. DIA., W/ TY-1 FR CL
STA. 61+16, 47.5 FT. (RT)
T.G. 624.30
INV. 616.74
- 18 CB, TY-A, 4 FT. DIA., W/ TY-1 FR OP L
STA. 62+19, 41.7 FT. (RT)
T.G. 623.21
INV. 617.56
- 19 MH, TY-A, 4 FT. DIA., W/ TY-1 FR CL
STA. 62+25, 50.6 FT. (RT)
T.G. 624.10
INV. 617.53
- 8 36" DIA., STORM SEWER CLASS A, TY-2, 82.1 FT.
TBF = 72 CU YDS.
- 9 12" DIA., STORM SEWER CLASS A, TY-1, 84.3 FT.
TBF = 27 CU YDS.
- 10 36" DIA., STORM SEWER CLASS A, TY-1, 93.9 FT.
TBF = 82 CU YDS.
- 11 36" DIA., STORM SEWER CLASS A, TY-1, 103.7 FT.
TBF = 90 CU YDS.
- 12 15" DIA., STORM SEWER CLASS A, TY-1, 30.7 FT.
TBF = 11 CU YDS.

PIPES ON:

- IL. ROUTE 171 (1ST AVENUE)
- 1 12" DIA., STORM SEWER CLASS A, TY-1, 37.6 FT.
TBF = 13 CU YDS.
- 2 12" DIA., STORM SEWER CLASS A, TY-1, 77.2 FT.
TBF = 25 CU YDS.
- 3 12" DIA., STORM SEWER CLASS A, TY-1, 72.5 FT.
TBF = 24 CD YDS.
- 4 15" DIA., STORM SEWER CLASS A, TY-1, 56 FT.
TBF = 20 CU YDS.
- 5 12" DIA., STORM SEWER CLASS A, TY-1, 20.1 FT.
TBF = 7 CU YDS.
- 6 12" DIA., STORM SEWER CLASS A, TY-1, 18.8 FT.
TBF = 7 CU YDS.
- 7 15" DIA., STORM SEWER CLASS A, TY-1, 88.5 FT.
TBF = 32 CU YDS.
- ROOSEVELT ROAD
- 13 12" DIA., STORM SEWER CLASS A, TY-2, 65.4 FT.
TBF = 22 CU YDS.
- 14 12" DIA., STORM SEWER CLASS A, TY-2, 7.1 FT.
TBF = 3 CU YDS.
- 15 12" DIA., STORM SEWER CLASS A, TY-2, 5.7 FT.
TBF = 2 CU YDS.
- 16 12" DIA., STORM SEWER CLASS A, TY-2, 5.9 FT.
TBF = 2 CU YDS.

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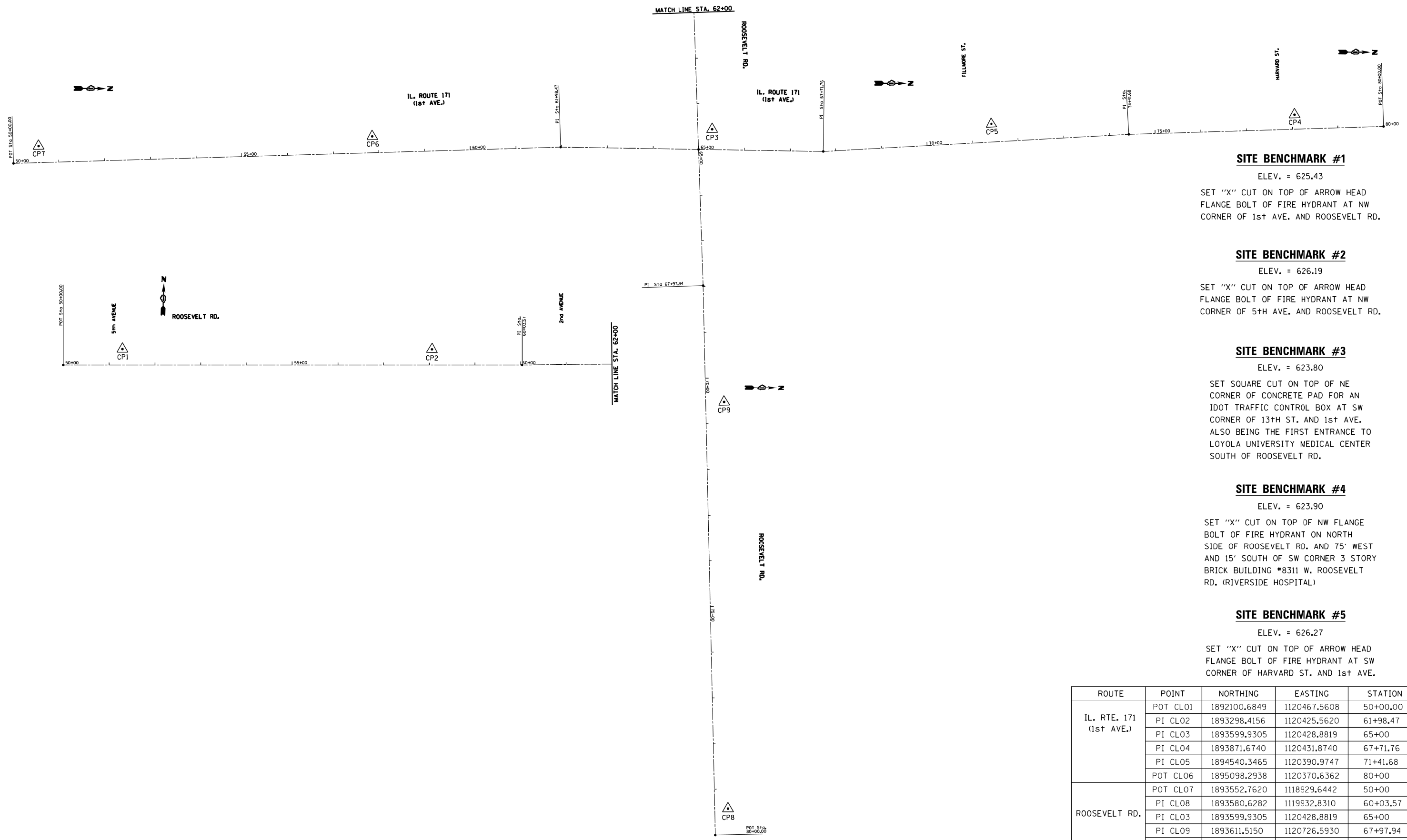
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED PIPE AND STRUCTURES TABLE			
FAP 372 /IL ROUTE 171(1ST AVENUE) AT ROOSEVELT ROAD			
SCALE: NONE	SHEET	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	15
			CONTRACT NO. 62A38	
ILLINOIS FED. AID PROJECT				

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SITE BENCHMARK #1

ELEV. = 625.43
 SET "X" CUT ON TOP OF ARROW HEAD FLANGE BOLT OF FIRE HYDRANT AT NW CORNER OF 1st AVE. AND ROOSEVELT RD.

SITE BENCHMARK #2

ELEV. = 626.19
 SET "X" CUT ON TOP OF ARROW HEAD FLANGE BOLT OF FIRE HYDRANT AT NW CORNER OF 5th AVE. AND ROOSEVELT RD.

SITE BENCHMARK #3

ELEV. = 623.80
 SET SQUARE CUT ON TOP OF NE CORNER OF CONCRETE PAD FOR AN IDOT TRAFFIC CONTROL BOX AT SW CORNER OF 13th ST. AND 1st AVE. ALSO BEING THE FIRST ENTRANCE TO LOYOLA UNIVERSITY MEDICAL CENTER SOUTH OF ROOSEVELT RD.

SITE BENCHMARK #4

ELEV. = 623.90
 SET "X" CUT ON TOP OF NW FLANGE BOLT OF FIRE HYDRANT ON NORTH SIDE OF ROOSEVELT RD. AND 75' WEST AND 15' SOUTH OF SW CORNER 3 STORY BRICK BUILDING #8311 W. ROOSEVELT RD. (RIVERSIDE HOSPITAL)

SITE BENCHMARK #5

ELEV. = 626.27
 SET "X" CUT ON TOP OF ARROW HEAD FLANGE BOLT OF FIRE HYDRANT AT SW CORNER OF HARVARD ST. AND 1st AVE.

ROUTE	POINT	NORTHING	EASTING	STATION
IL. RTE. 171 (1st AVE.)	POT CL01	1892100.6849	1120467.5608	50+00.00
	PI CL02	1893298.4156	1120425.5620	61+98.47
	PI CL03	1893599.9305	1120428.8819	65+00
	PI CL04	1893871.6740	1120431.8740	67+71.76
	PI CL05	1894540.3465	1120390.9747	71+41.68
	POT CL06	1895098.2938	1120370.6362	80+00
ROOSEVELT RD.	POT CL07	1893552.7620	1118929.6442	50+00
	PI CL08	1893580.6282	1119932.8310	60+03.57
	PI CL09	1893599.9305	1120428.8819	65+00
	POT CL10	1893644.6398	1121928.2001	80+00

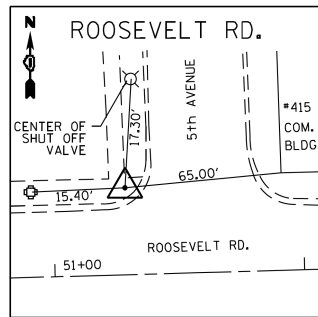
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENTS, TIES AND BENCHMARKS
 IL. RTE. 171 (AT ROOSEVELT RD.)**

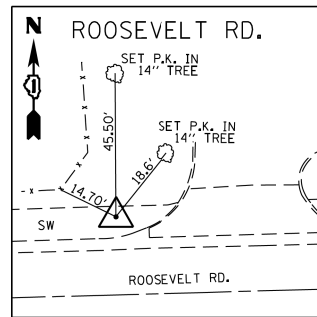
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CONTRACT NO.			62A38	
ILLINOIS FED. AID PROJECT				



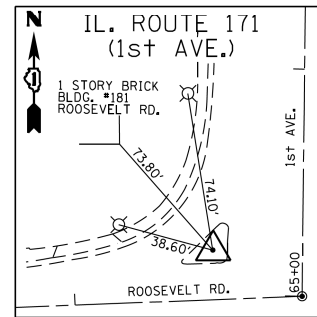
CONTROL POINT #1

SET "X" CUT IN CONC. SIDEWALK
 STA. 51+28.91, 34.8 LT
 N=1893591.1193
 E=1119057.5424
 ELEV.=624.42



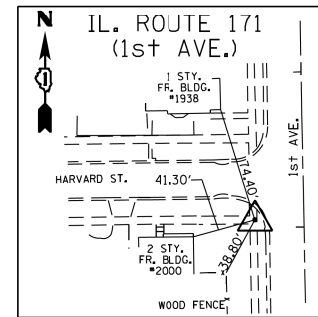
CONTROL POINT #2

SET "X" CUT
 STA. 58+06.22, 34.1 LT
 N=1893609.2286
 E=1119734.6093
 ELEV.=624.96



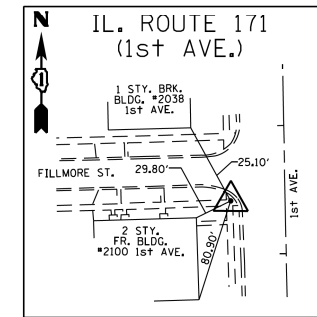
CONTROL POINT #3

SET "X" CUT
 STA. 64+57.11, 31.1 LT
 N=1893629.3352
 E=1120384.8150
 ELEV.=623.65



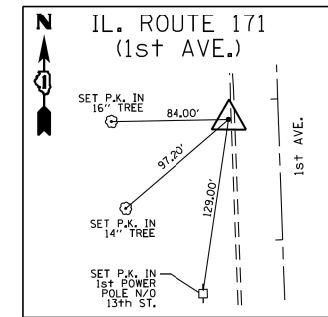
CONTROL POINT #4

SET "X" CUT IN CONC. SIDEWALK
 STA. 78+05.29, 31.7 LT
 N=1894902.5574
 E=1120346.0931
 ELEV.=623.54



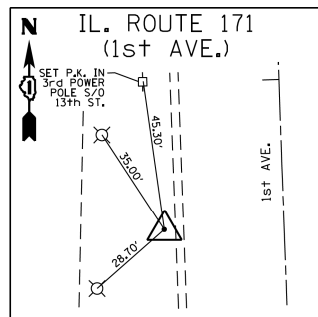
CONTROL POINT #5

"X" CUT IN CONC. WALK ON
 EAST SIDE OF BUFFALO GROVE
 RD. ACROSS FROM GOLFVIEW
 TERRACE
 STA. 71+43.45, 39.4 LT
 N=1894240.2643
 E=1120369.8419
 ELEV.=622.79



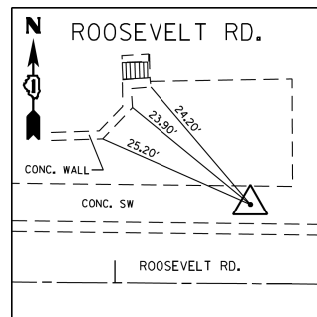
CONTROL POINT #6

SET IRON ROD
 STA. 57+86.67, 35.6 LT
 N=1892885.6287
 E=1120404.4604
 ELEV.=621.92



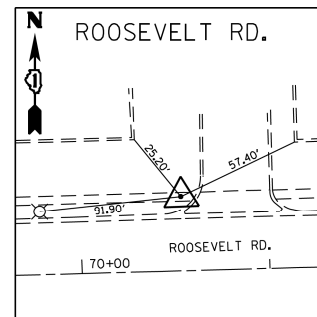
CONTROL POINT #7

SET IRON ROD
 STA. 50+55.86, 36.1 LT
 N=1892155.2400
 E=1120429.4862
 ELEV.=621.97



CONTROL POINT #8

SET "X" CUT IN SIDEWALK
 STA. 79+43.00, 28.9 LT
 N=1893671.9291
 E=1121870.4257
 ELEV.=622.74



CONTROL POINT #9

SET "X" CUT IN SIDEWALK
 STA. 70+53.62, 40.2 LT
 N=1893658.7034
 E=1120981.0772
 ELEV.=623.08

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

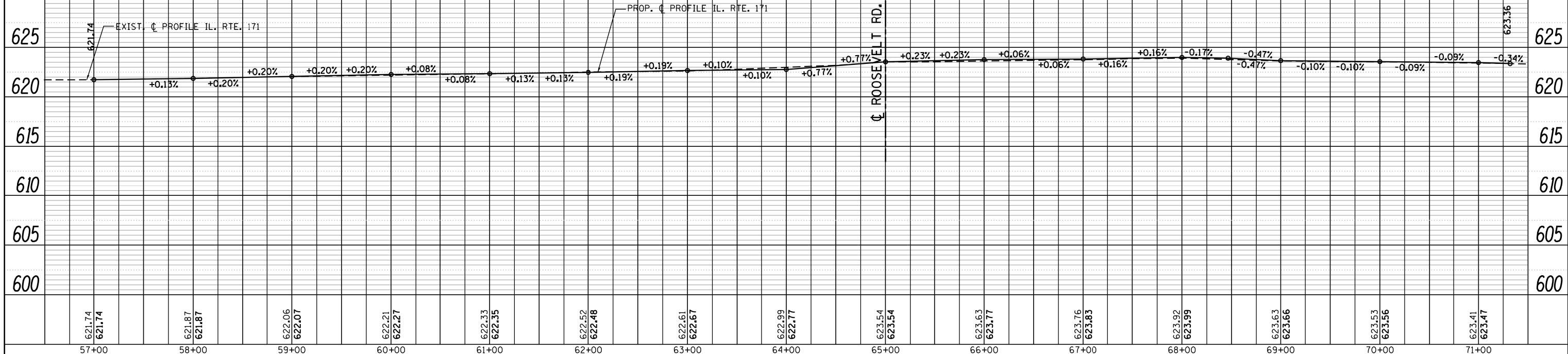
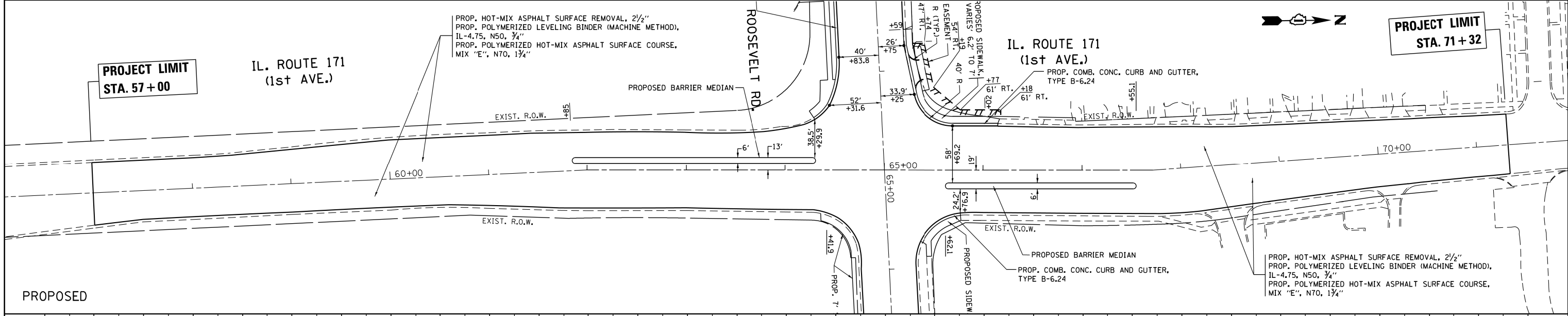
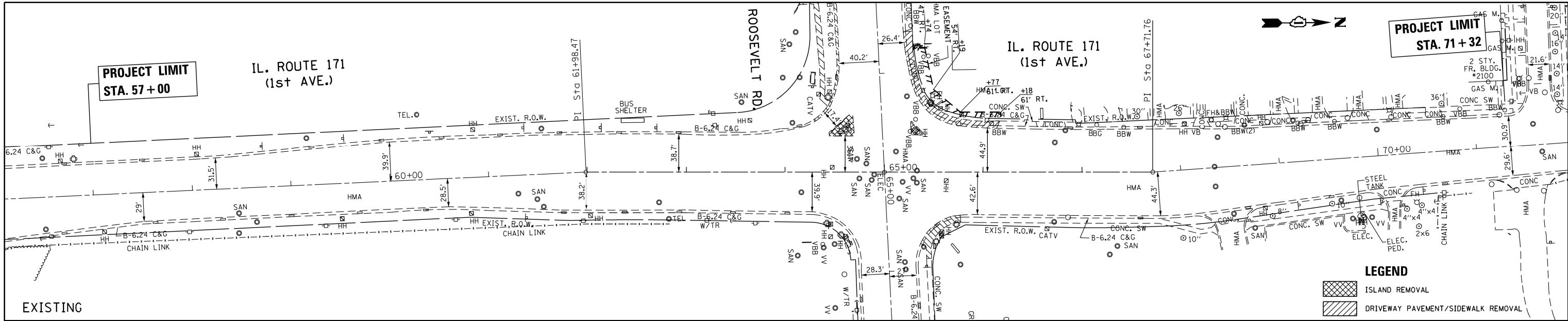
ALIGNMENTS, TIES AND BENCHMARKS
 IL. RTE. 171 (AT ROOSEVELT RD.)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	17
CONTRACT NO.			62A38	
ILLINOIS FED. AID PROJECT				

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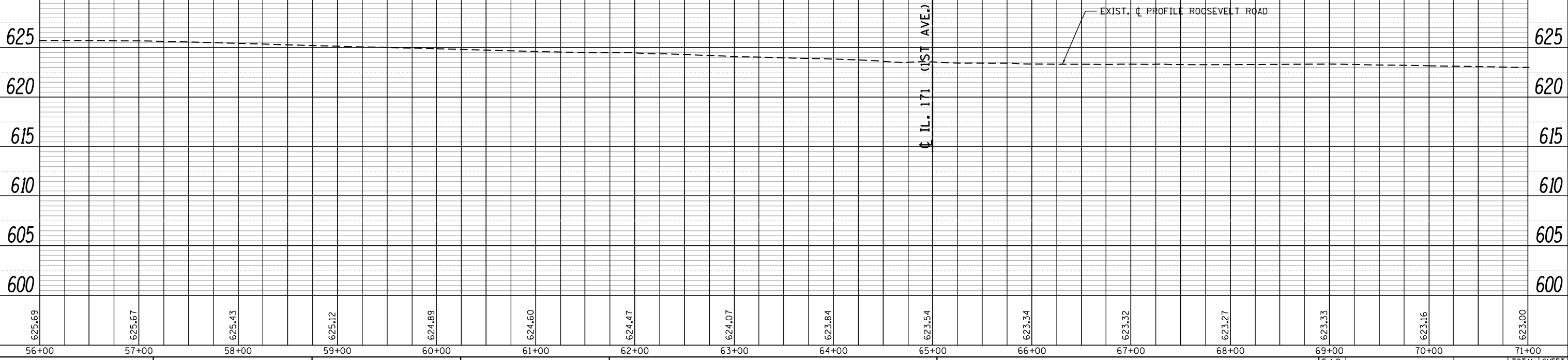
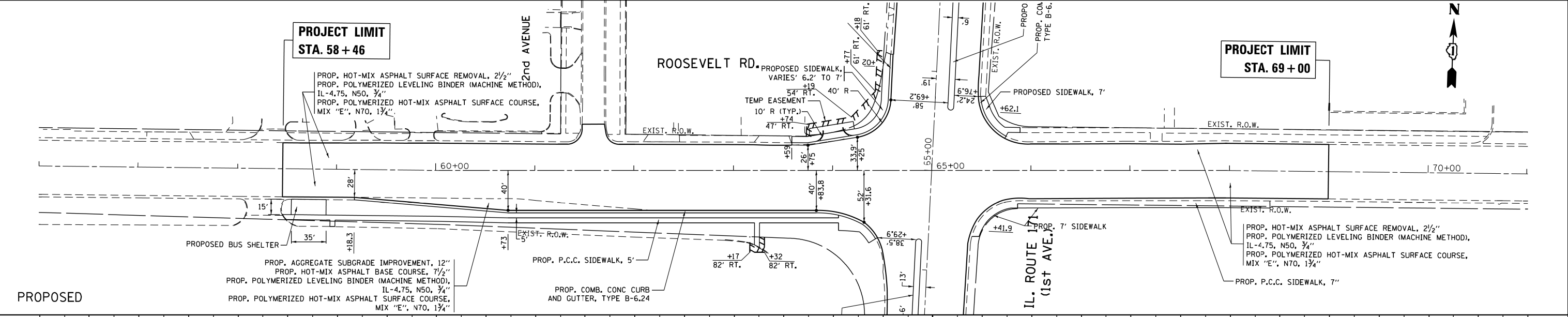
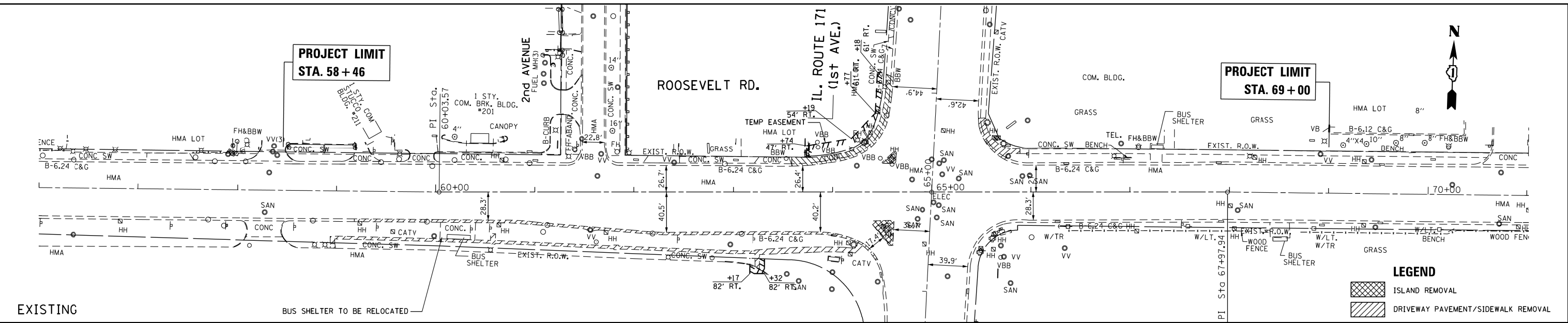
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	STRUCTURE NOTATIONS
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PLAN	SURVEYED
NOTE BOOK NO.	PLOTTED
	ALIGNMENT CHECKED
	CONSTRUCTION FILE NAME

DATE	BY
PROFILE	SURVEYED
NOTE BOOK NO.	PLOTTED
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	PLOT DATE = 6/26/2019				ILLINOIS FED. AID PROJECT							

PRE STAGE

ESTABLISH TRAFFIC CONTROL AS SHOWN ON THE SUGGESTED STAGING AND TRAFFIC CONTROL PRE STAGE

INSTALL TEMPORARY EROSION CONTROL MEASURES AS SHOWN ON THE EROSION CONTROL PLAN (SEE NOTE)

REMOVE EXISTING SIDEWALK, CURB & GUTTER AND PACE BUS SHELTER ALONG EASTBOUND ROOSEVELT ROAD

REMOVE EXISTING P.C.C. ISLANDS ALONG SOUTHBOUND IL 171 (1st AVENUE)

INSTALLATION OF TEMPORARY PAVEMENT IN PLACE OF EXISTING P.C.C. ISLANDS ALONG SOUTHBOUND IL 171 (1st AVENUE)

STAGE I

ESTABLISH TRAFFIC CONTROL AS SHOWN ON THE SUGGESTED STAGING AND TRAFFIC CONTROL STAGE I

CONSTRUCT THE EXTENSION AND RESURFACING OF THE RIGHT TURN LANE ALONG THE WEST LEG OF EASTBOUND ROOSEVELT ROAD

ADJUSTMENT OF THE NORTHWEST AND NORTHEAST CORNER RADII ON ROOSEVELT ROAD AT IL 171 (1st AVENUE)

INSTALLATION OF PROP. SIDEWALK ALONG THE WEST LEG OF EASTBOUND ROOSEVELT ROAD

INSTALLATION OF PROP. CURB & GUTTER, PACE BUS SHELTER AND SODDING ALONG THE WEST LEG OF EASTBOUND ROOSEVELT ROAD

INSTALLATION OF PROP. P.C.C. DRIVEWAY ALONG THE WEST LEG OF WESTBOUND ROOSEVELT ROAD

STAGE II

ESTABLISH TRAFFIC CONTROL AS SHOWN ON THE SUGGESTED STAGING AND TRAFFIC CONTROL STAGE II

INSTALLATION OF P.C.C. BARRIERS MEDIANS ALONG THE NORTH AND SOUTH LEGS OF IL 171 (1st AVENUE)

STAGE III

MILLING THE EXISTING HMA PAVEMENT AND INSTALLING POLYMERIZED LEVELING BINDER AND HMA SURFACE COURSE ON IL 171 (1st AVENUE) AND ROOSEVELT ROAD

INSTALLATION OF THERMOPLASTIC PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS AS SHOWN ON THE PAVEMENT MARKING PLAN

THE APPROPRIATE TRAFFIC CONTROL AND PROTECTION STANDARDS WILL BE UTILIZED WHEN PERFORMING THIS WORK

NOTE:

ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE AN ERODABLE CONDITION

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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/26/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED STAGING AND TRAFFIC CONTROL NOTES			
FAP 372 /IL ROUTE 171(1ST AVENUE) AT ROOSEVELT ROAD			
SCALE: NONE	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	20
			CONTRACT NO. 62A38	
		ILLINOIS	FED. AID PROJECT	

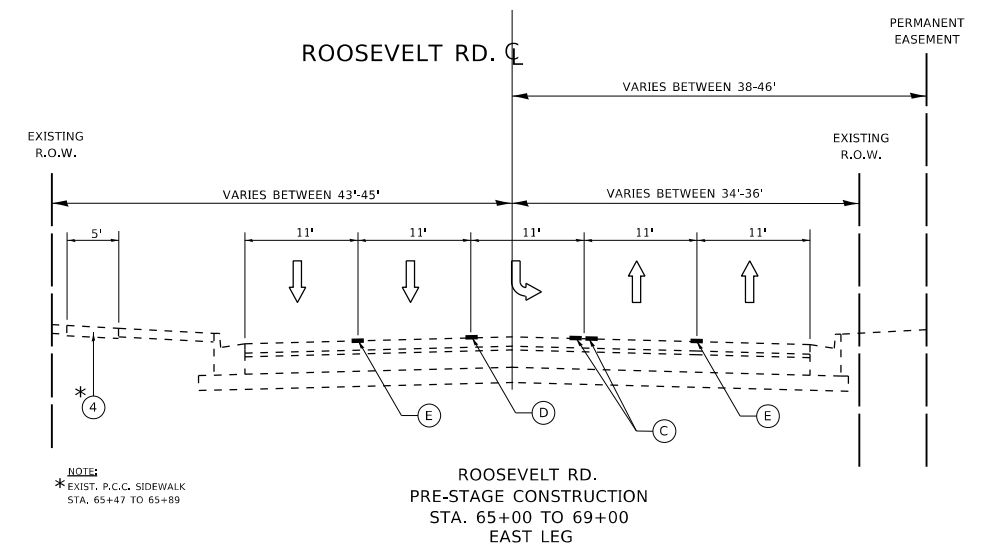
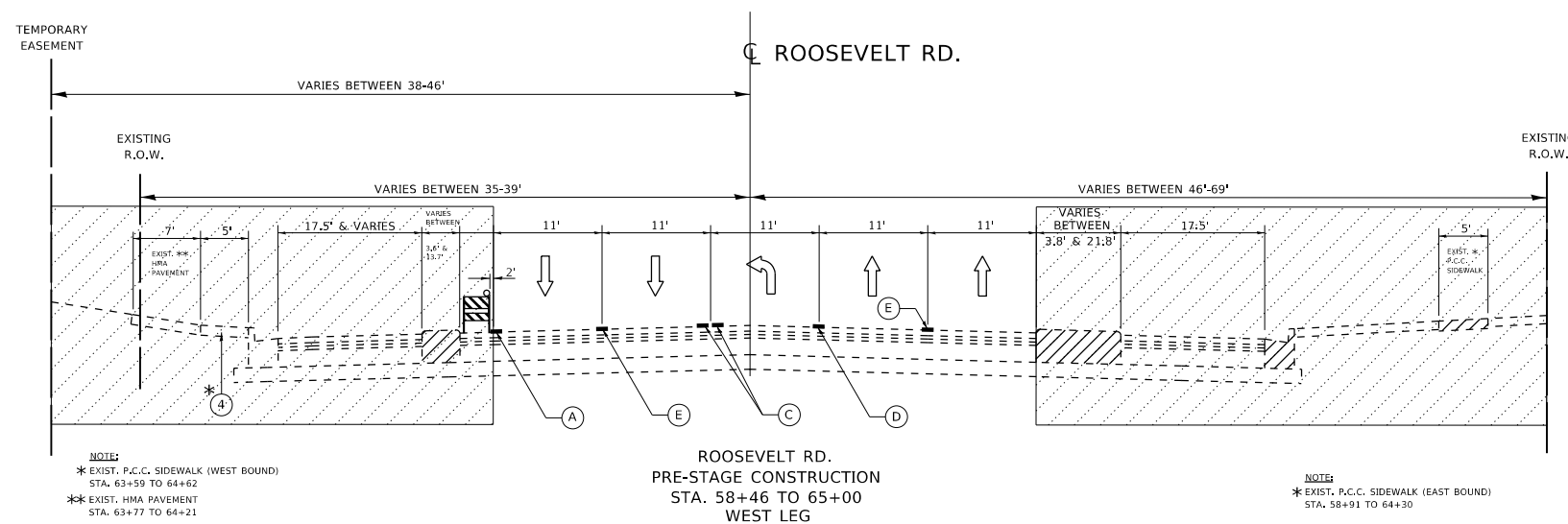
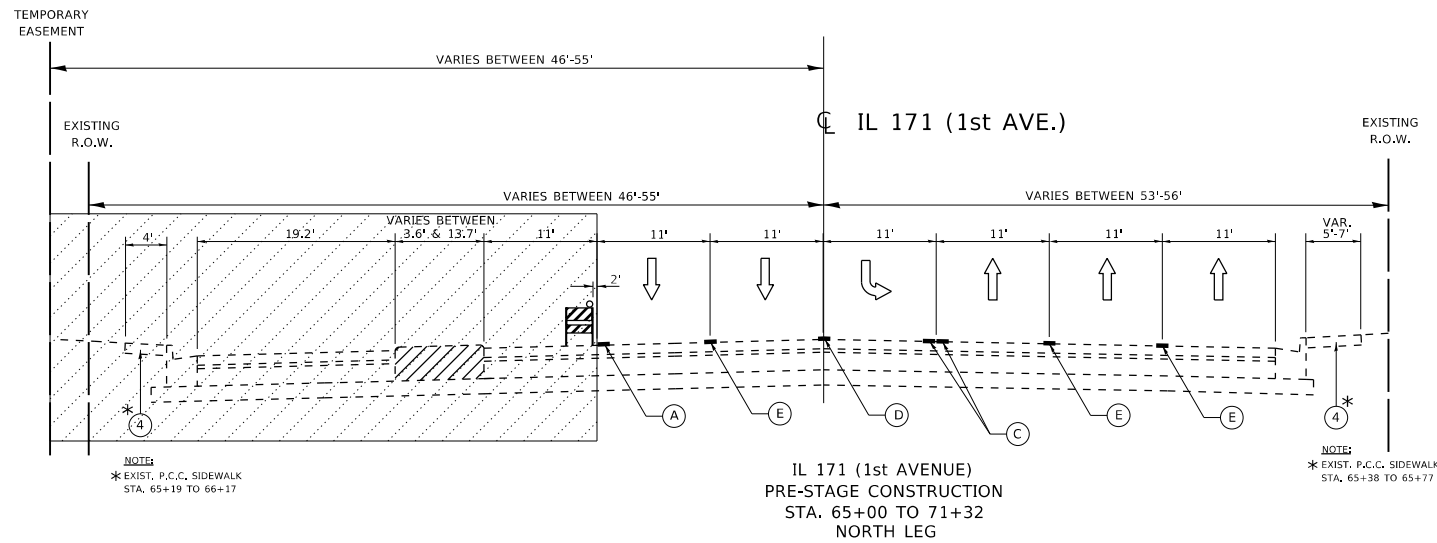
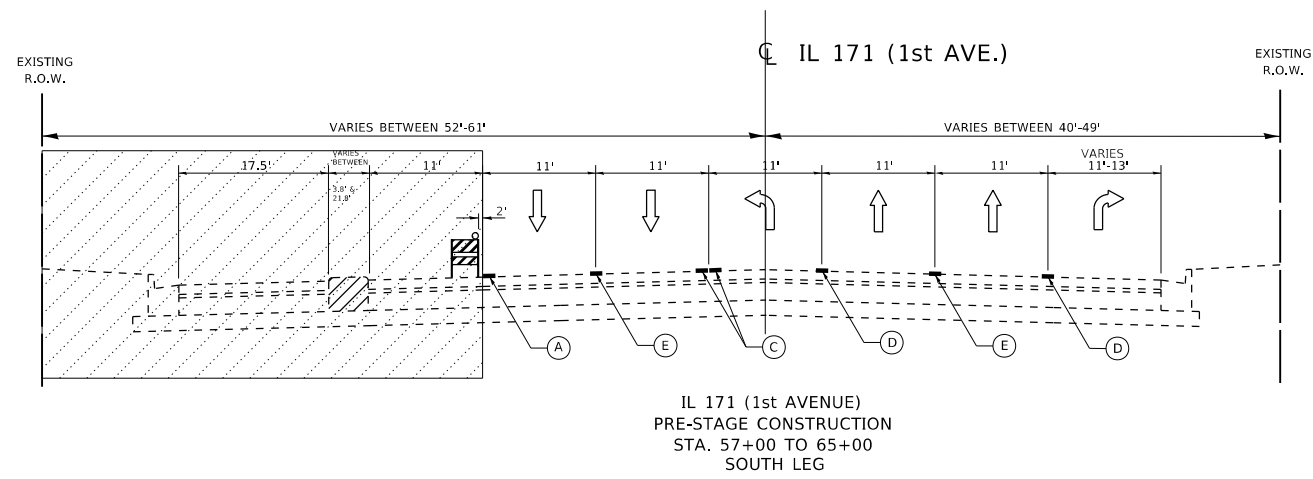
LEGEND:

- ① EXISTING P.C.C. PAVEMENT ±10"
- ② EXISTING BITUMONOUS SURFACE ±7" (AFTER MILLING)
- ③ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ④ EXISTING P.C.C. SIDEWALK
- ⑤ EXISTING SUB-BASE GRANULAR MATERIAL
- ⑥ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2½"
- ⑧ PROPOSED HOT-MIX ASPHALT BASE COURSE, 7½"
- ⑨ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, ¾"
- ⑩ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1¾"
- ⑪ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑫ PROPOSED P.C.C. SIDEWALK
- ⑬ PROPOSED TOPSOIL FURNISH AND PLACE, 4"
- ⑭ PROPOSED SODDING
- ⑮ PROPOSED P.C.C. BARRIER MEDIAN

- DENOTES ITEMS TO BE REMOVED
- WORK AREA FOR CONSTRUCTION (WORK ZONE)

PAVEMENT MARKING LEGEND:

- (A) PAVEMENT MARKING TAPE, TYPE IV, EDGE LINE, 4" WHITE
- (B) PAVEMENT MARKING TAPE, TYPE IV, EDGE LINE, 4" YELLOW
- (C) PAVEMENT MARKING TAPE, TYPE IV, DOUBLE YELLOW CENTERLINE, 4"
- (D) PAVEMENT MARKING TAPE, TYPE IV, TURN LANE LINE, 6" WHITE
- (E) PAVEMENT MARKING TAPE, TYPE IV, SKIP DASH, 4" WHITE
- (F) PAVEMENT MARKING TAPE, TYPE IV, DIAGONALS, 12" YELLOW
- (G) PAVEMENT MARKING TAPE, TYPE IV, STOP BARS, 24" YELLOW



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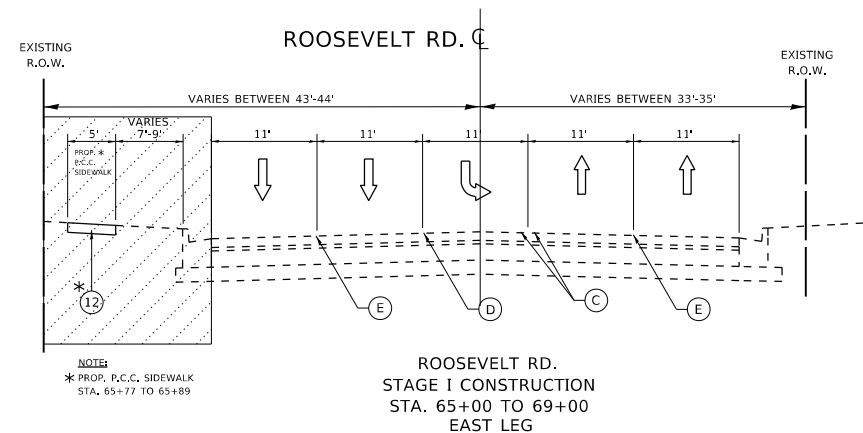
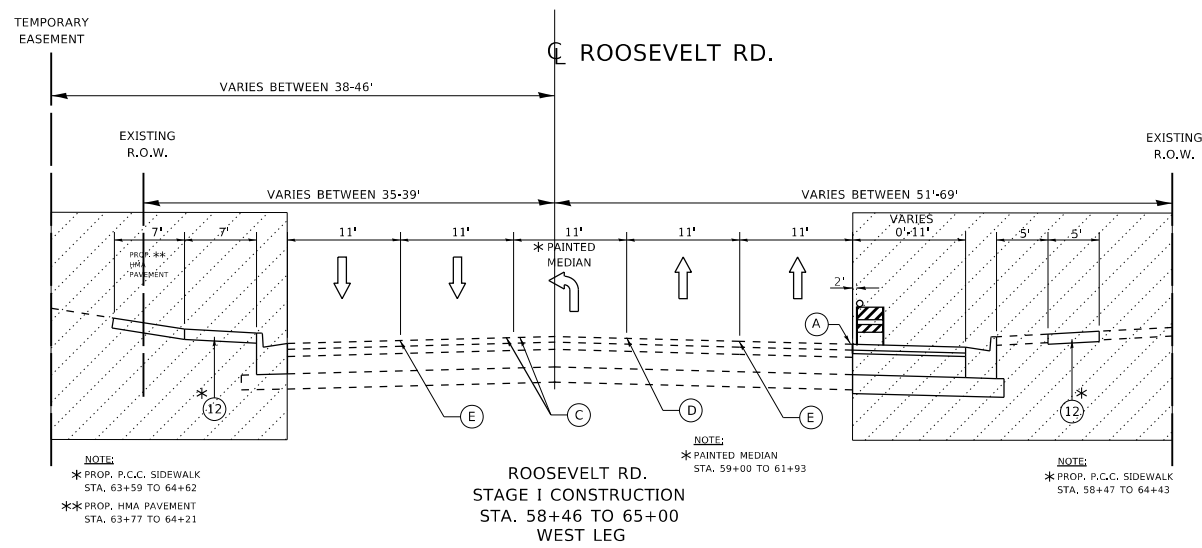
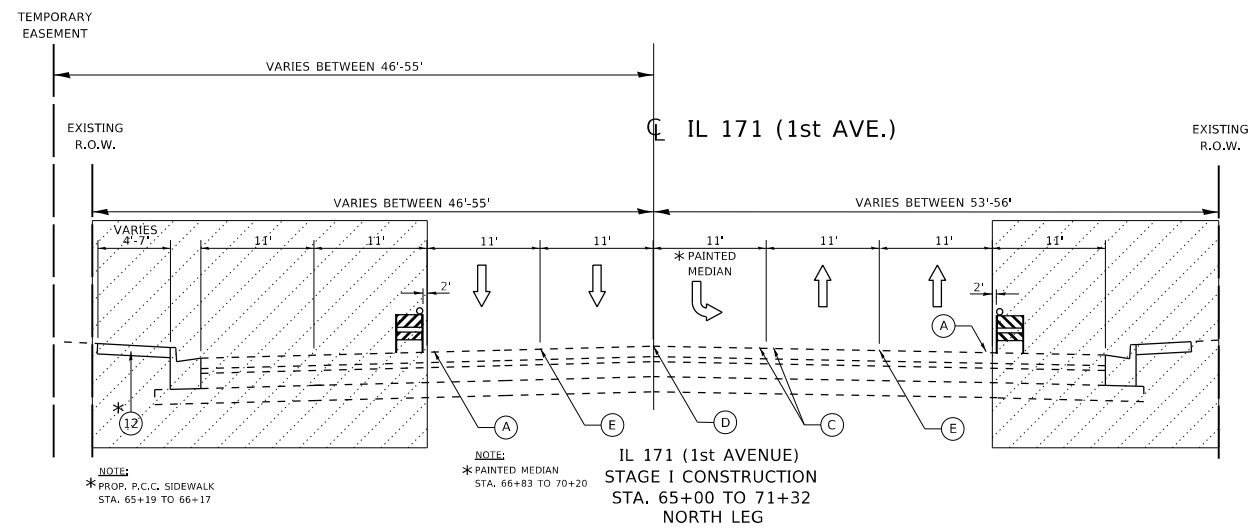
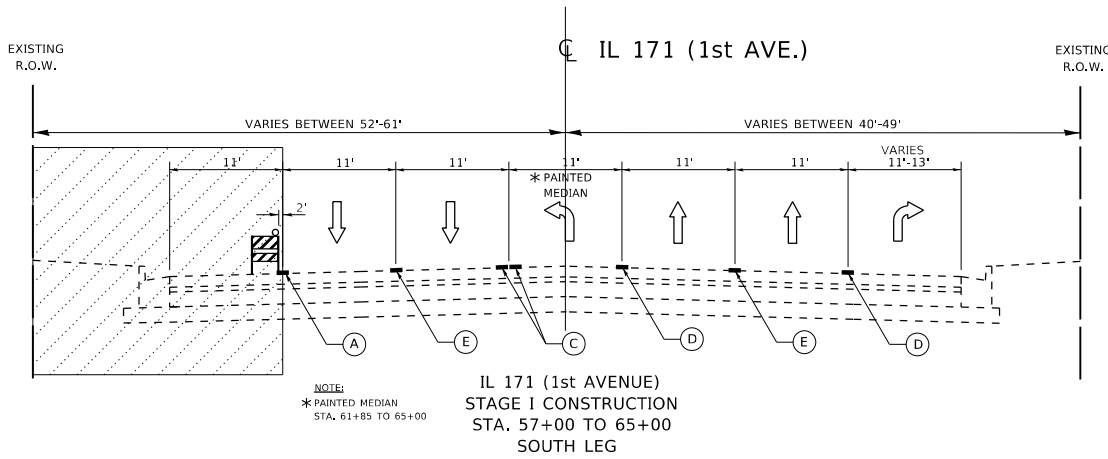
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING AND TRAFFIC CONTROL TYPICAL SECTION
FAP 372 /IL ROUTE 171(1ST AVENUE) AT ROOSEVELT ROAD**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	21
CONTRACT NO. 62A38				
ILLINOIS FED. AID PROJECT				



LEGEND:

- ① EXISTING P.C.C. PAVEMENT ±10"
- ② EXISTING BITUMINOUS SURFACE ±7" (AFTER MILLING)
- ③ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ④ EXISTING P.C.C. SIDEWALK
- ⑤ EXISTING SUB-BASE GRANULAR MATERIAL
- ⑥ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2½"
- ⑧ PROPOSED HOT-MIX ASPHALT BASE COURSE, 7½"
- ⑨ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, ¾"
- ⑩ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1¾"
- ⑪ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑫ PROPOSED P.C.C. SIDEWALK
- ⑬ PROPOSED TOPSOIL FURNISH AND PLACE, 4"
- ⑭ PROPOSED SODDING
- ⑮ PROPOSED P.C.C. BARRIER MEDIAN

DENOTES ITEMS TO BE REMOVED
 WORK AREA FOR CONSTRUCTION (WORK ZONE)

PAVEMENT MARKING LEGEND:

- (A) PAVEMENT MARKING TAPE, TYPE IV, EDGE LINE, 4" WHITE
- (B) PAVEMENT MARKING TAPE, TYPE IV, EDGE LINE, 4" YELLOW
- (C) PAVEMENT MARKING TAPE, TYPE IV, DOUBLE YELLOW CENTERLINE, 4"
- (D) PAVEMENT MARKING TAPE, TYPE IV, TURN LANE LINE, 6" WHITE
- (E) PAVEMENT MARKING TAPE, TYPE IV, SKIP DASH, 4" WHITE
- (F) PAVEMENT MARKING TAPE, TYPE IV, DIAGONALS, 12" YELLOW
- (G) PAVEMENT MARKING TAPE, TYPE IV, STOP BARS, 24" YELLOW

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DRAWN -	REVISIONS -	
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PLOT DATE = 3/26/2020	DATE -	REVISIONS -

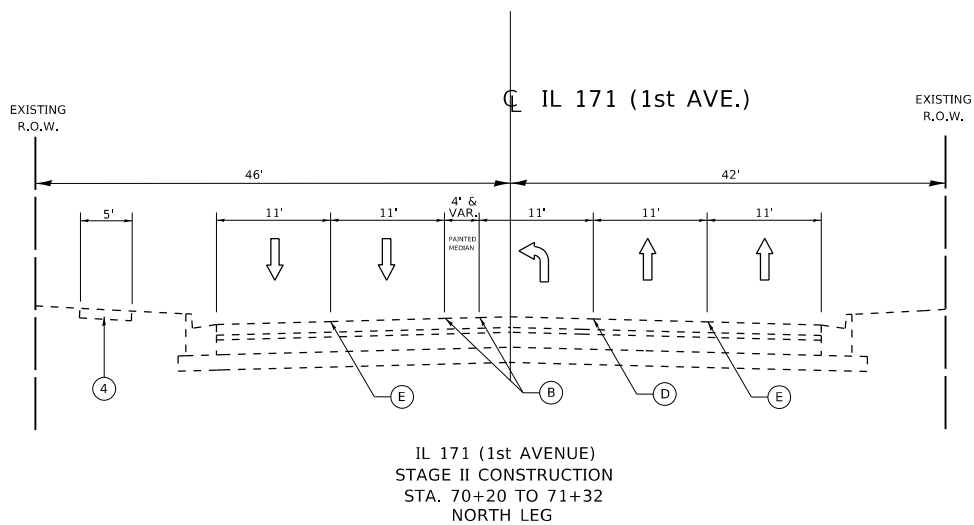
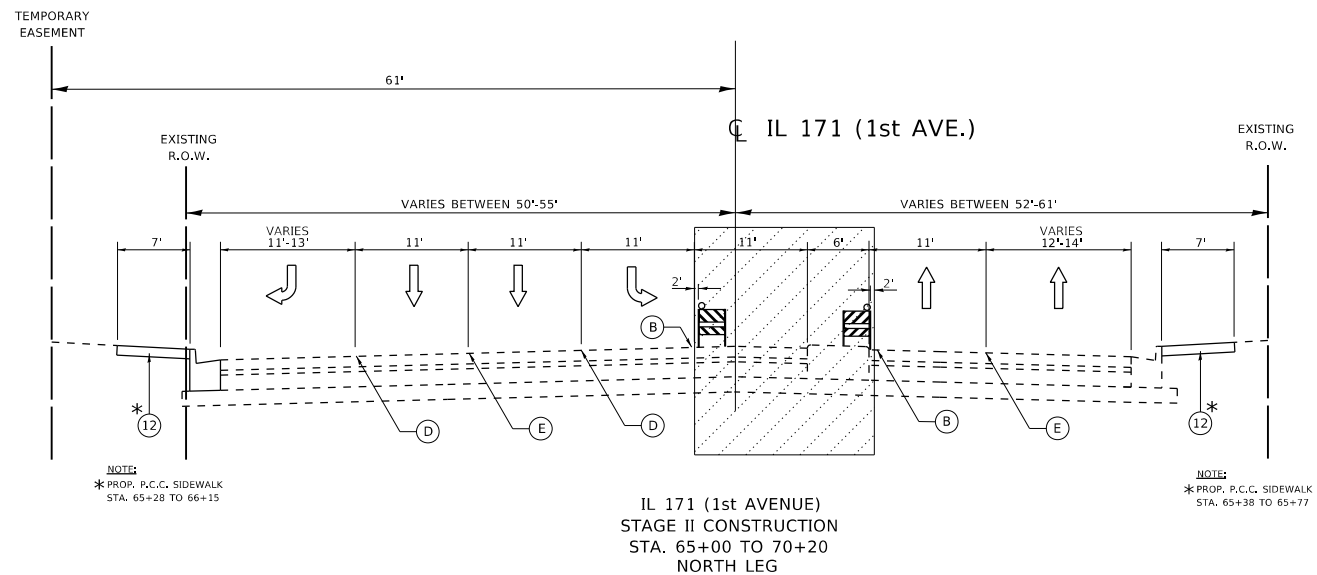
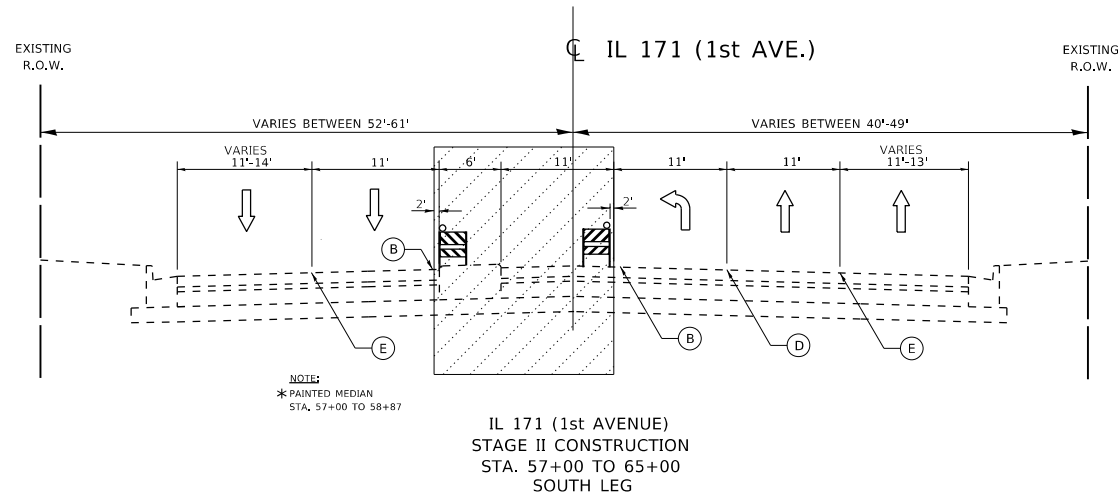
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING AND TRAFFIC CONTROL TYPICAL SECTION
FAP 372 /IL ROUTE 171(1ST AVENUE) AT ROOSEVELT ROAD**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	22
CONTRACT NO. 62A38				
ILLINOIS FED. AID PROJECT				

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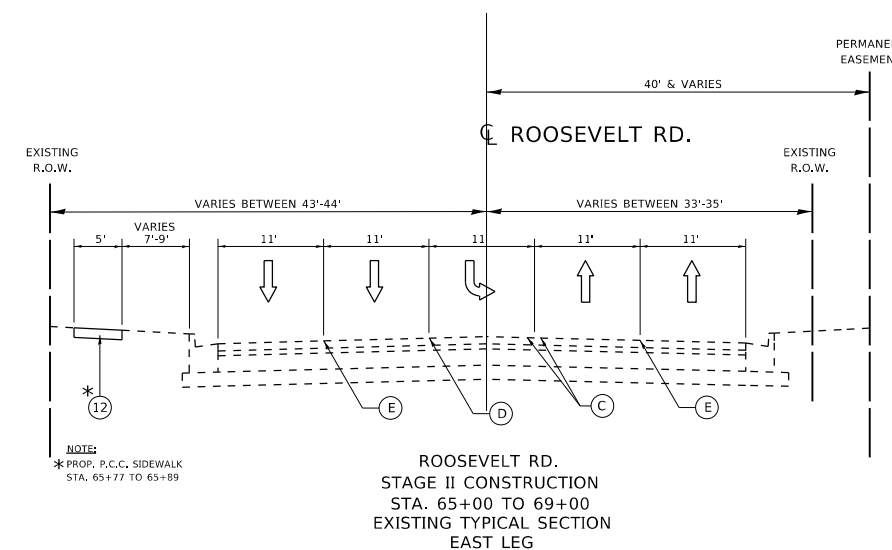
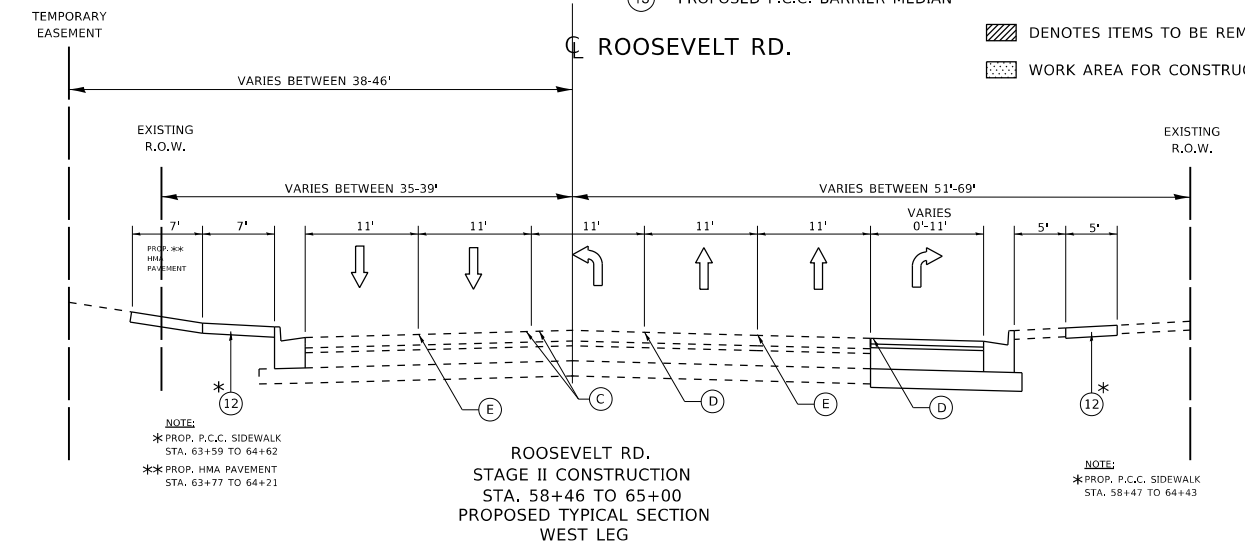
PAVEMENT MARKING LEGEND:

- (A) PAVEMENT MARKING TAPE, TYPE IV, EDGE LINE, 4" WHITE
- (B) PAVEMENT MARKING TAPE, TYPE IV, EDGE LINE, 4" YELLOW
- (C) PAVEMENT MARKING TAPE, TYPE IV, DOUBLE YELLOW CENTERLINE, 4"
- (D) PAVEMENT MARKING TAPE, TYPE IV, TURN LANE LINE, 6" WHITE
- (E) PAVEMENT MARKING TAPE, TYPE IV, SKIP DASH, 4" WHITE
- (F) PAVEMENT MARKING TAPE, TYPE IV, DIAGONALS, 12" YELLOW
- (G) PAVEMENT MARKING TAPE, TYPE IV, STOP BARS, 24" YELLOW

LEGEND:

- (1) EXISTING P.C.C. PAVEMENT ±10"
- (2) EXISTING BITUMINOUS SURFACE ±7" (AFTER MILLING)
- (3) EXISTING CONBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (4) EXISTING P.C.C. SIDEWALK
- (5) EXISTING SUB-BASE GRANULAR MATERIAL
- (6) PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (7) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2½"
- (8) PROPOSED HOT-MIX ASPHALT BASE COURSE, 7½"
- (9) PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, ¾"
- (10) PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1¾"
- (11) PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (12) PROPOSED P.C.C. SIDEWALK
- (13) PROPOSED TOPSOIL FURNISH AND PLACE, 4"
- (14) PROPOSED SODDING
- (15) PROPOSED P.C.C. BARRIER MEDIAN

DENOTES ITEMS TO BE REMOVED
 WORK AREA FOR CONSTRUCTION (WORK ZONE)



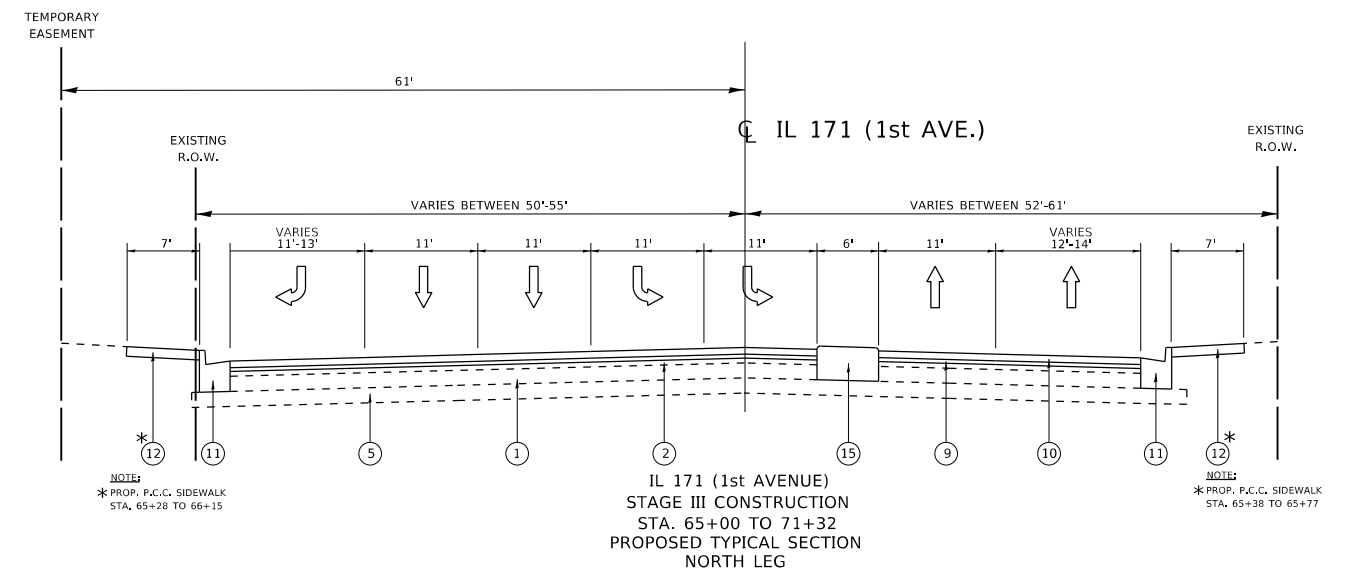
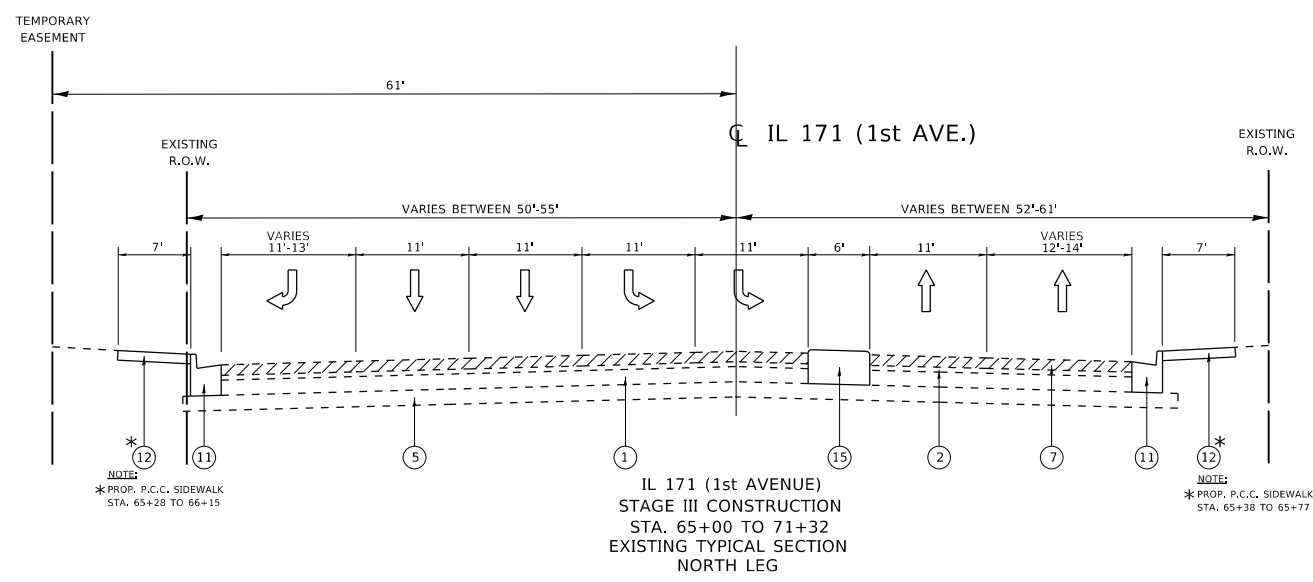
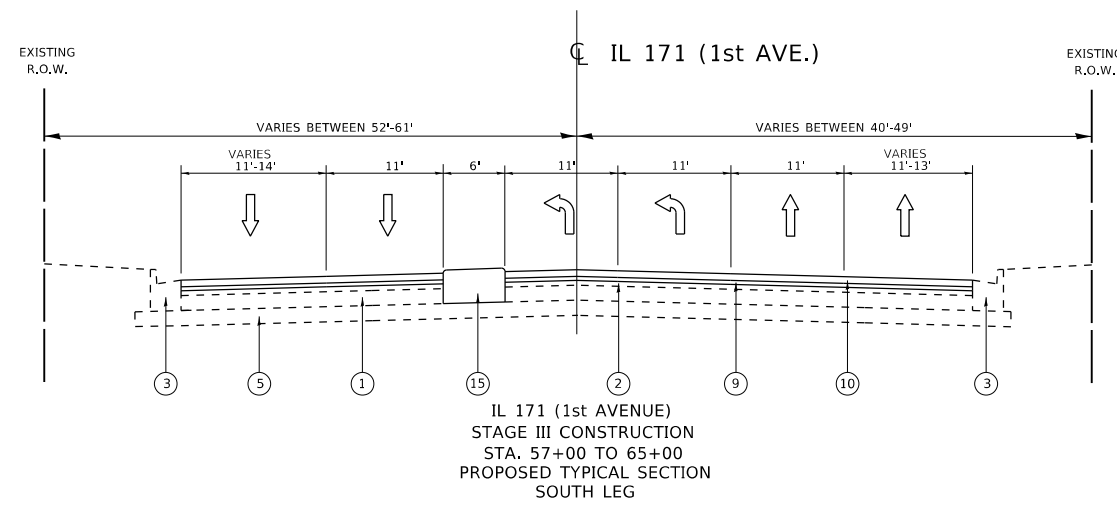
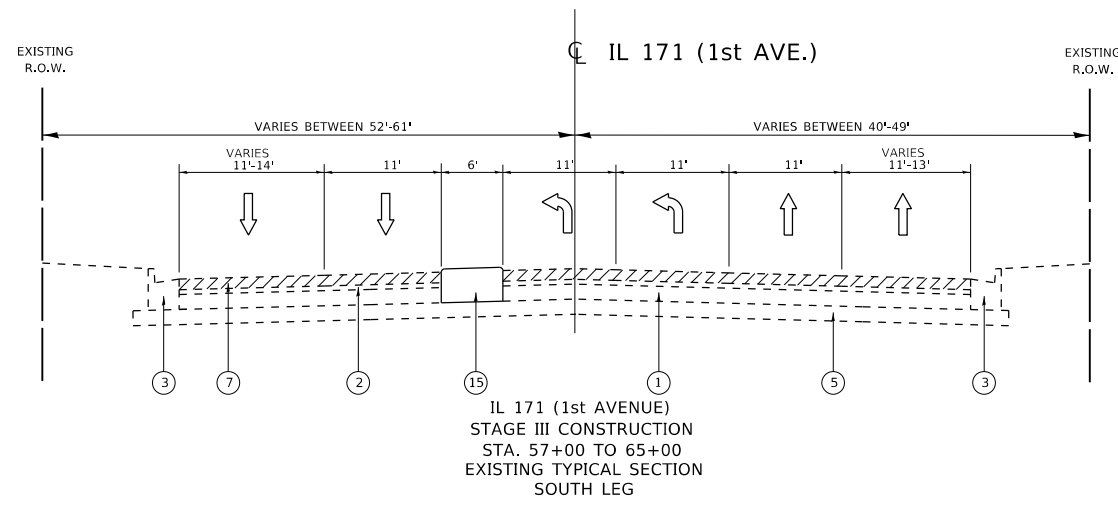
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PLOT DATE = 3/26/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING AND TRAFFIC CONTROL TYPICAL SECTION
 FAP 372 /IL ROUTE 171(1ST AVENUE) AT ROOSEVELT ROAD**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	23
CONTRACT NO. 62A38				
ILLINOIS / FED. AID PROJECT				



- LEGEND:**
- ① EXISTING P.C.C. PAVEMENT ±10"
 - ② EXISTING BITUMONOUS SURFACE ±7" (AFTER MILLING)
 - ③ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ④ EXISTING P.C.C. SIDEWALK
 - ⑤ EXISTING SUB-BASE GRANULAR MATERIAL
 - ⑥ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - ⑦ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2½"
 - ⑧ PROPOSED HOT-MIX ASPHALT BASE COURSE, 7½"
 - ⑨ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, ¾"
 - ⑩ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1¾"
 - ⑪ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ⑫ PROPOSED P.C.C. SIDEWALK
 - ⑬ PROPOSED TOPSOIL FURNISH AND PLACE, 4"
 - ⑭ PROPOSED SODDING
 - ⑮ PROPOSED P.C.C. BARRIER MEDIAN
- ▨ DENOTES ITEMS TO BE REMOVED
- ▩ WORK AREA FOR CONSTRUCTION (WORK ZONE)

- PAVEMENT MARKING LEGEND:**
- Ⓐ PAVEMENT MARKING TAPE, TYPE IV, EDGE LINE, 4" WHITE
 - Ⓑ PAVEMENT MARKING TAPE, TYPE IV, EDGE LINE, 4" YELLOW
 - Ⓒ PAVEMENT MARKING TAPE, TYPE IV, DOUBLE YELLOW CENTERLINE, 4"
 - Ⓓ PAVEMENT MARKING TAPE, TYPE IV, TURN LANE LINE, 6" WHITE
 - Ⓔ PAVEMENT MARKING TAPE, TYPE IV, SKIP DASH, 4" WHITE
 - Ⓕ PAVEMENT MARKING TAPE, TYPE IV, DIAGONALS, 12" YELLOW
 - Ⓖ PAVEMENT MARKING TAPE, TYPE IV, STOP BARS, 24" YELLOW

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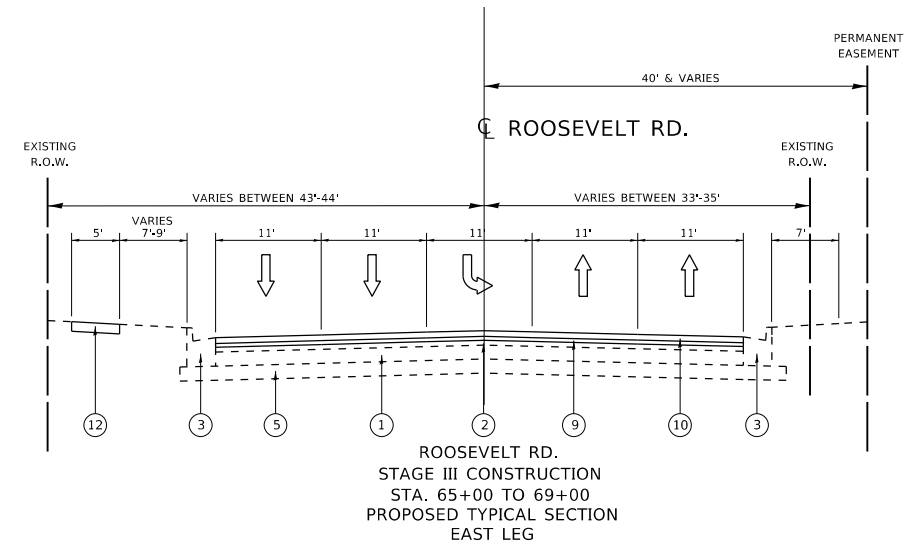
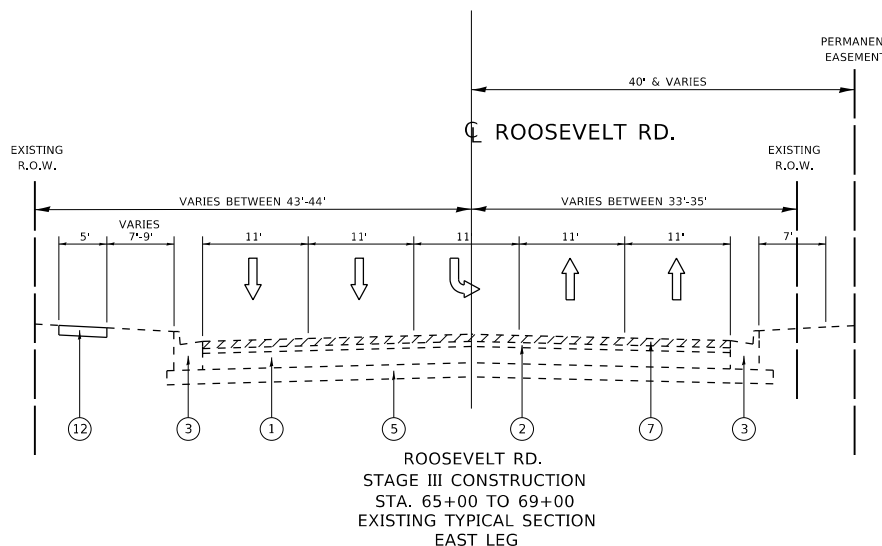
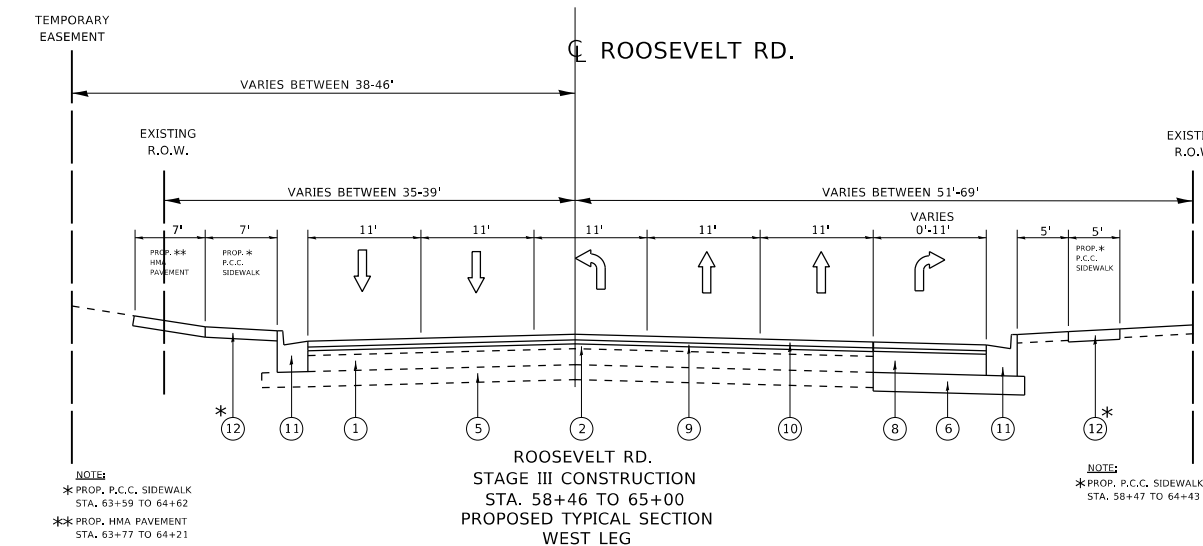
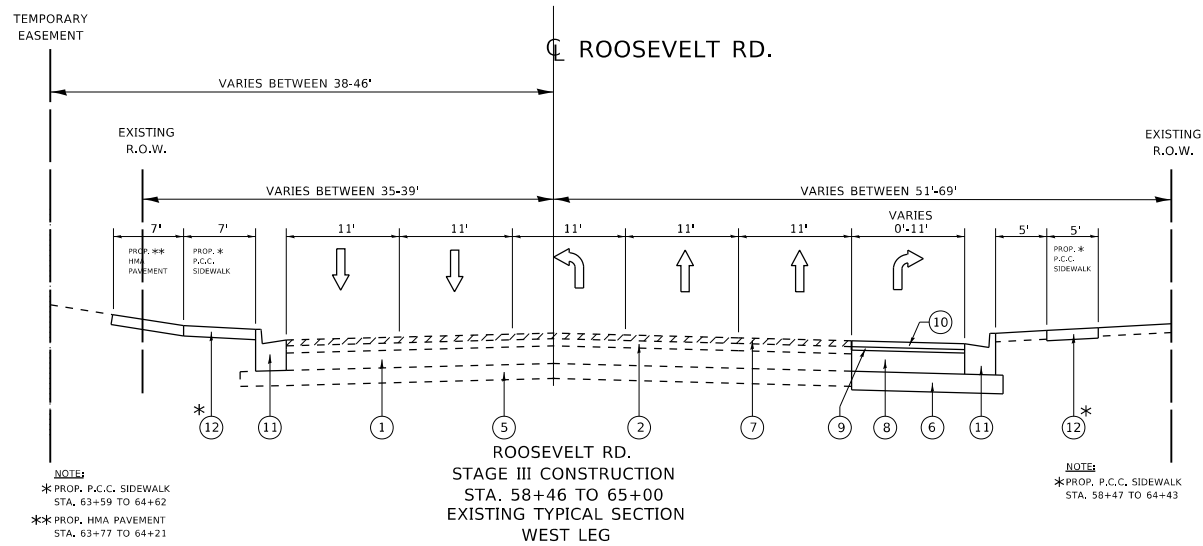
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING AND TRAFFIC CONTROL TYPICAL SECTION
FAP 372 /IL ROUTE 171(1ST AVENUE) AT ROOSEVELT ROAD**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	24
CONTRACT NO. 62A38				
ILLINOIS FED. AID PROJECT				



LEGEND:

- ① EXISTING P.C.C. PAVEMENT ±10"
- ② EXISTING BITUMINOUS SURFACE ±7" (AFTER MILLING)
- ③ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ④ EXISTING P.C.C. SIDEWALK
- ⑤ EXISTING SUB-BASE GRANULAR MATERIAL
- ⑥ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2½"
- ⑧ PROPOSED HOT-MIX ASPHALT BASE COURSE, 7½"
- ⑨ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, ¾"
- ⑩ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1¾"
- ⑪ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑫ PROPOSED P.C.C. SIDEWALK
- ⑬ PROPOSED TOPSOIL FURNISH AND PLACE, 4"
- ⑭ PROPOSED SODDING
- ⑮ PROPOSED P.C.C. BARRIER MEDIAN

▨ DENOTES ITEMS TO BE REMOVED

▩ WORK AREA FOR CONSTRUCTION (WORK ZONE)

PAVEMENT MARKING LEGEND:

- Ⓐ PAVEMENT MARKING TAPE, TYPE IV, EDGE LINE, 4" WHITE
- Ⓑ PAVEMENT MARKING TAPE, TYPE IV, EDGE LINE, 4" YELLOW
- Ⓒ PAVEMENT MARKING TAPE, TYPE IV, DOUBLE YELLOW CENTERLINE, 4"
- Ⓓ PAVEMENT MARKING TAPE, TYPE IV, TURN LANE LINE, 6" WHITE
- Ⓔ PAVEMENT MARKING TAPE, TYPE IV, SKIP DASH, 4" WHITE
- Ⓕ PAVEMENT MARKING TAPE, TYPE IV, DIAGONALS, 12" YELLOW
- Ⓖ PAVEMENT MARKING TAPE, TYPE IV, STOP BARS, 24" YELLOW

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING AND TRAFFIC CONTROL TYPICAL SECTION
FAP 372 /IL ROUTE 171(1ST AVENUE) AT ROOSEVELT ROAD**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	25
CONTRACT NO. 62A38				
ILLINOIS FED. AID PROJECT				

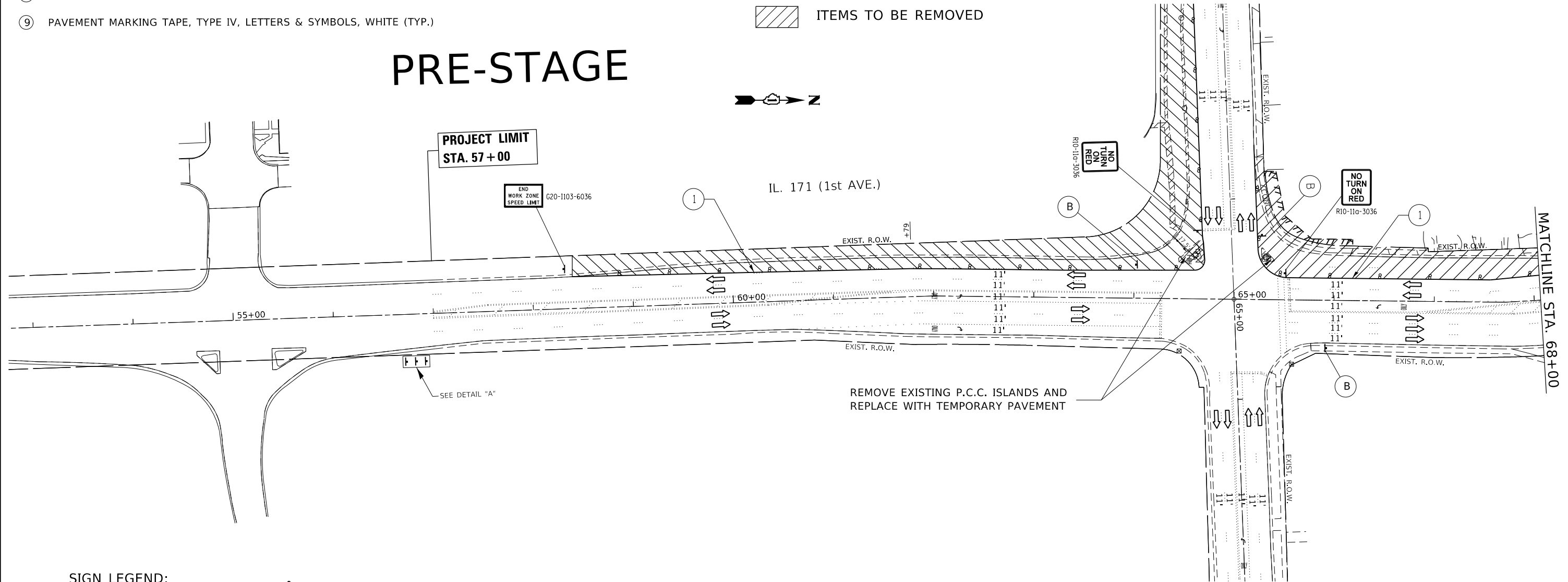
WORK ZONE PAVEMENT MARKING LEGEND:

- ① PAVEMENT MARKING TAPE, TYPE IV, EDGE LINE, 4" WHITE
- ② PAVEMENT MARKING TAPE, TYPE IV, DOUBLE YELLOW CENTERLINE, 4", 11" C-C (TYP.)
- ③ PAVEMENT MARKING TAPE, TYPE IV, SKIP DASH, 4" WHITE (TYP.)
- ④ PAVEMENT MARKING TAPE, TYPE IV, TURN LANE LINES, 6" WHITE (TYP.)
- ⑤ PAVEMENT MARKING TAPE, TYPE IV, DOTTED DASHED LINES, 6" WHITE (TYP.)
- ⑥ PAVEMENT MARKING TAPE, TYPE IV, PEDESTRIAN CROSSWALK, 6" WHITE (TYP.)
- ⑦ PAVEMENT MARKING TAPE, TYPE IV, DIAGONALS, 12" WHITE (TYP.)
- ⑧ PAVEMENT MARKING TAPE, TYPE IV, STOP BARS, 24" WHITE (TYP.)
- ⑨ PAVEMENT MARKING TAPE, TYPE IV, LETTERS & SYMBOLS, WHITE (TYP.)

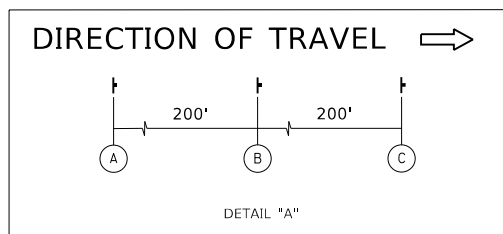
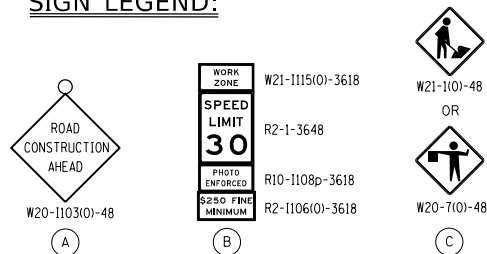
LEGEND:

- TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT
- ⊥ CONSTRUCTION SIGN ON PORTABLE OR PERMANENT SUPPORT
- ⇨ DIRECTION OF TRAVEL
- ➡ ARROW BOARD
- ▨ WORK ZONE
- ▩ ITEMS TO BE REMOVED

PRE-STAGE



SIGN LEGEND:



MODEL: Default
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

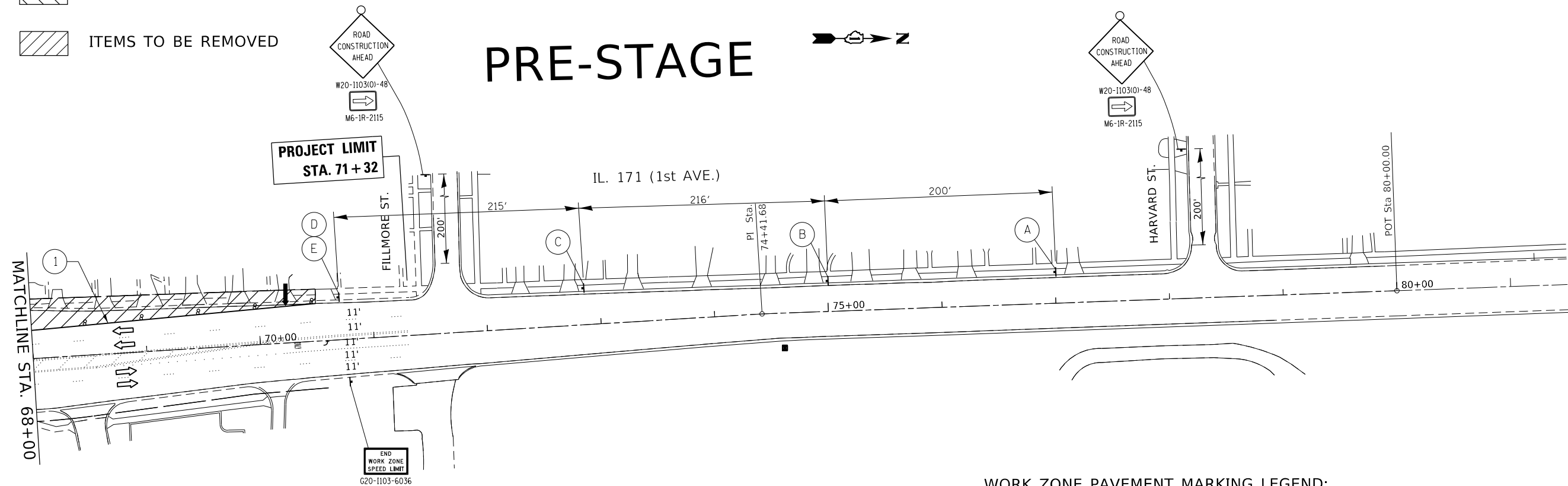
**SUGGESTED STAGING AND TRAFFIC CONTROL, PRE-STAGE
FAP 372 /IL ROUTE 171(1ST AVENUE) AT ROOSEVELT ROAD**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	26
CONTRACT NO. 62A38				
ILLINOIS FED. AID PROJECT				

LEGEND:

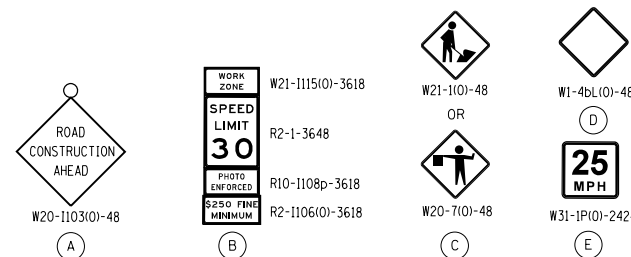
- TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT
- ⊥ CONSTRUCTION SIGN ON PORTABLE OR PERMANENT SUPPORT
- ➡ DIRECTION OF TRAVEL
- ➡ ARROW BOARD
- ▨ WORK ZONE
- ▨ ITEMS TO BE REMOVED



WORK ZONE PAVEMENT MARKING LEGEND:

- ① PAVEMENT MARKING TAPE, TYPE IV, EDGE LINE, 4" WHITE
- ② PAVEMENT MARKING TAPE, TYPE IV, DOUBLE YELLOW CENTERLINE, 4", 11" C-C (TYP.)
- ③ PAVEMENT MARKING TAPE, TYPE IV, SKIP DASH, 4" WHITE (TYP.)
- ④ PAVEMENT MARKING TAPE, TYPE IV, TURN LANE LINES, 6" WHITE (TYP.)
- ⑤ PAVEMENT MARKING TAPE, TYPE IV, DOTTED DASHED LINES, 6" WHITE (TYP.)
- ⑥ PAVEMENT MARKING TAPE, TYPE IV, PEDESTRIAN CROSSWALK, 6" WHITE (TYP.)
- ⑦ PAVEMENT MARKING TAPE, TYPE IV, DIAGONALS, 12" WHITE (TYP.)
- ⑧ PAVEMENT MARKING TAPE, TYPE IV, STOP BARS, 24" WHITE (TYP.)
- ⑨ PAVEMENT MARKING TAPE, TYPE IV, LETTERS & SYMBOLS, WHITE (TYP.)

SIGN LEGEND:



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PLOT DATE = 3/26/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED STAGING AND TRAFFIC CONTROL, PRE-STAGE FAP 372 /IL ROUTE 171(1ST AVENUE) AT ROOSEVELT ROAD			
SCALE: 1"= 50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	27
CONTRACT NO. 62A38				
ILLINOIS FED. AID PROJECT				

WORK ZONE PAVEMENT MARKING LEGEND:

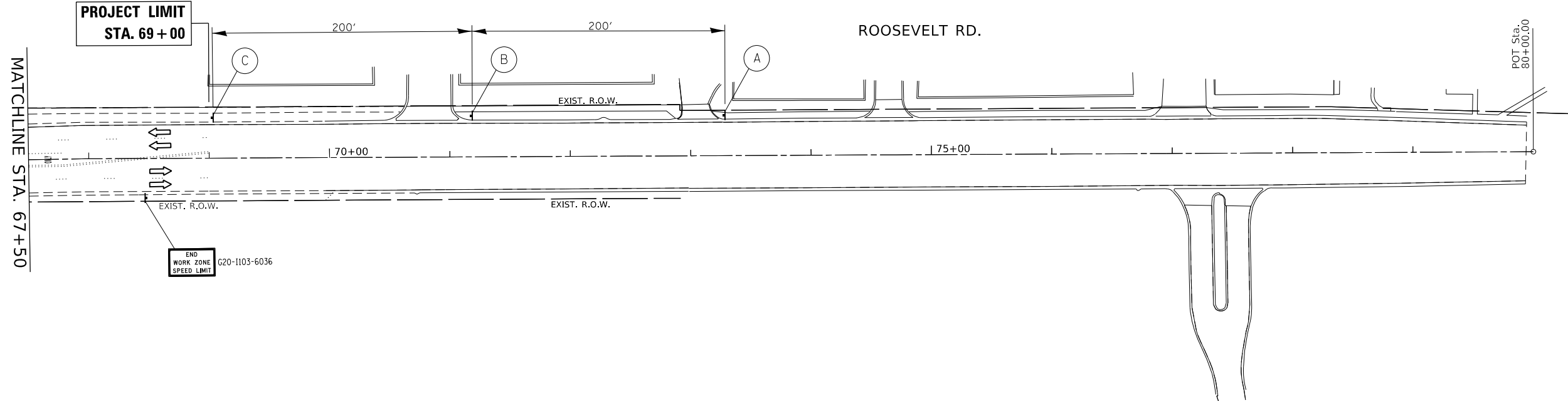
- ① PAVEMENT MARKING TAPE, TYPE IV, EDGE LINE, 4" WHITE
- ② PAVEMENT MARKING TAPE, TYPE IV, DOUBLE YELLOW CENTERLINE, 4", 11" C-C (TYP.)
- ③ PAVEMENT MARKING TAPE, TYPE IV, SKIP DASH, 4" WHITE (TYP.)
- ④ PAVEMENT MARKING TAPE, TYPE IV, TURN LANE LINES, 6" WHITE (TYP.)
- ⑤ PAVEMENT MARKING TAPE, TYPE IV, DOTTED DASHED LINES, 6" WHITE (TYP.)
- ⑥ PAVEMENT MARKING TAPE, TYPE IV, PEDESTRIAN CROSSWALK, 6" WHITE (TYP.)
- ⑦ PAVEMENT MARKING TAPE, TYPE IV, DIAGONALS, 12" WHITE (TYP.)
- ⑧ PAVEMENT MARKING TAPE, TYPE IV, STOP BARS, 24" WHITE (TYP.)
- ⑨ PAVEMENT MARKING TAPE, TYPE IV, LETTERS & SYMBOLS, WHITE (TYP.)

LEGEND:

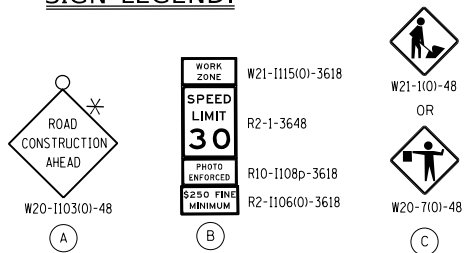
- TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT
- ▬ CONSTRUCTION SIGN ON PORTABLE OR PERMANENT SUPPORT
- ➡ DIRECTION OF TRAVEL
- ➡ ARROW BOARD
- ▨ WORK ZONE
- ▨ ITEMS TO BE REMOVED



PRE-STAGE



SIGN LEGEND:



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USER NAME = steedpa	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/26/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING AND TRAFFIC CONTROL, PRE-STAGE
FAP 372 /IL ROUTE 171(1ST AVENUE) AT ROOSEVELT ROAD**

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

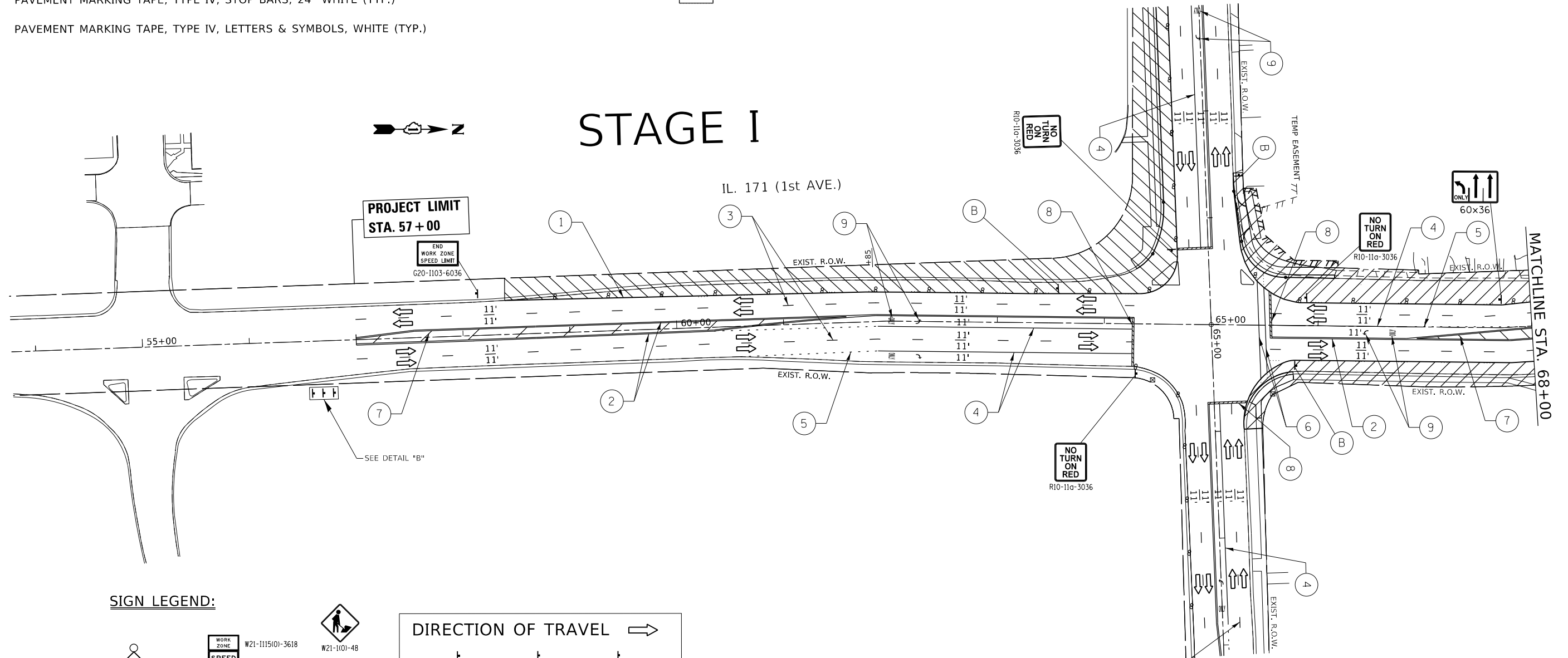
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	29
CONTRACT NO. 62A38				
ILLINOIS FED. AID PROJECT				

WORK ZONE PAVEMENT MARKING LEGEND:

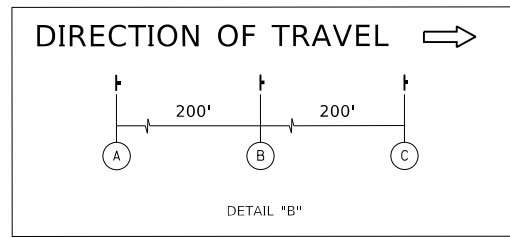
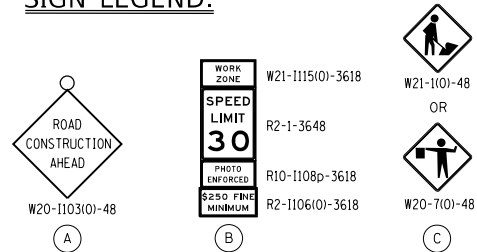
- ① PAVEMENT MARKING TAPE, TYPE IV, EDGE LINE, 4" WHITE
- ② PAVEMENT MARKING TAPE, TYPE IV, DOUBLE YELLOW CENTERLINE, 4", 11" C-C (TYP.)
- ③ PAVEMENT MARKING TAPE, TYPE IV, SKIP DASH, 4" WHITE (TYP.)
- ④ PAVEMENT MARKING TAPE, TYPE IV, TURN LANE LINES, 6" WHITE (TYP.)
- ⑤ PAVEMENT MARKING TAPE, TYPE IV, DOTTED DASHED LINES, 6" WHITE (TYP.)
- ⑥ PAVEMENT MARKING TAPE, TYPE IV, PEDESTRIAN CROSSWALK, 6" WHITE (TYP.)
- ⑦ PAVEMENT MARKING TAPE, TYPE IV, DIAGONALS, 12" WHITE (TYP.)
- ⑧ PAVEMENT MARKING TAPE, TYPE IV, STOP BARS, 24" WHITE (TYP.)
- ⑨ PAVEMENT MARKING TAPE, TYPE IV, LETTERS & SYMBOLS, WHITE (TYP.)

LEGEND:

- TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT
- ⊥ TYPE III BARRICADE WITH STEADY BURNING LIGHT
- ⊥ CONSTRUCTION SIGN ON PORTABLE OR PERMANENT SUPPORT
- ➡ DIRECTION OF TRAVEL
- ➡ ARROW BOARD
- ▨ WORK ZONE
- TEMPORARY PAVEMENT



SIGN LEGEND:



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USER NAME = steedpa	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/26/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING AND TRAFFIC CONTROL, STAGE 1
FAP 372 /IL ROUTE 171(1ST AVENUE) AT ROOSEVELT ROAD**

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

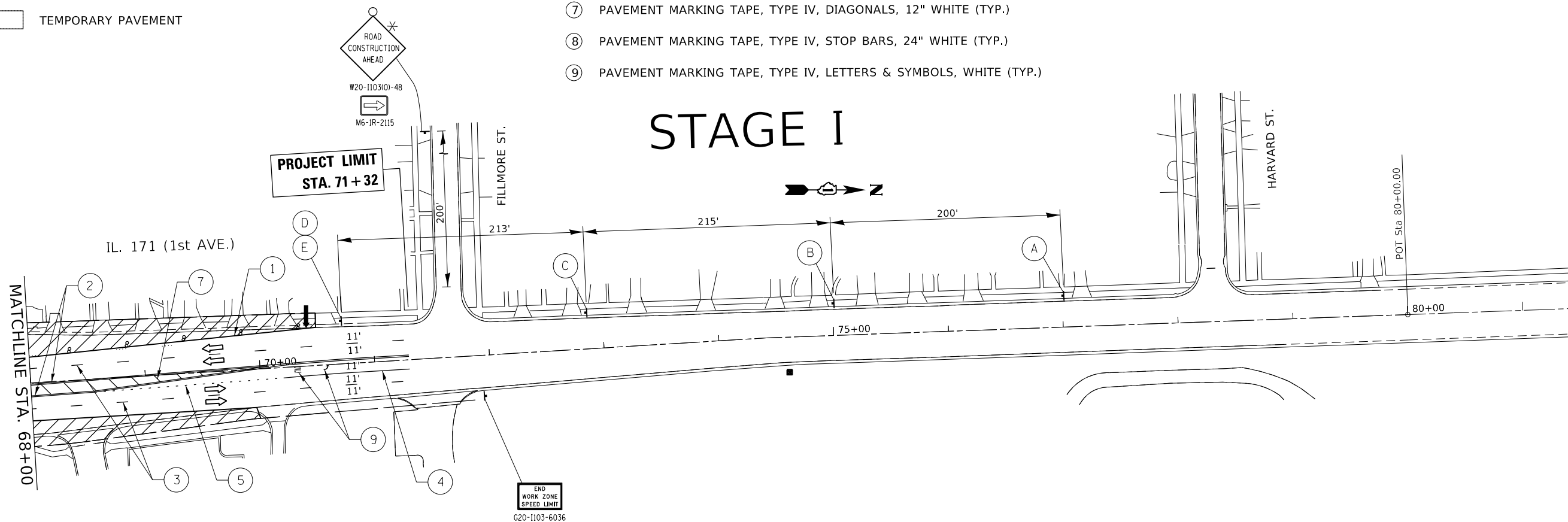
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CONTRACT NO. 62A38				
ILLINOIS FED. AID PROJECT				

LEGEND:

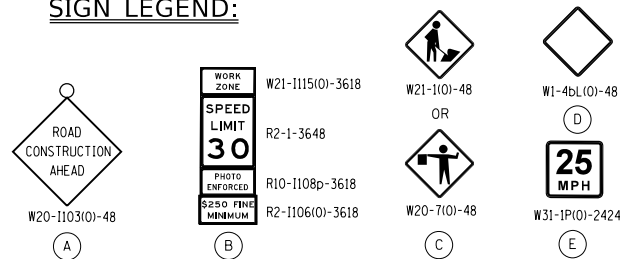
- TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT
- ⊥ TYPE III BARRICADE WITH STEADY BURNING LIGHT
- ┆ CONSTRUCTION SIGN ON PORTABLE OR PERMANENT SUPPORT
- ➔ DIRECTION OF TRAVEL
- ➔ ARROW BOARD
- ▨ WORK ZONE
- TEMPORARY PAVEMENT

WORK ZONE PAVEMENT MARKING LEGEND:

- ① PAVEMENT MARKING TAPE, TYPE IV, EDGE LINE, 4" WHITE
- ② PAVEMENT MARKING TAPE, TYPE IV, DOUBLE YELLOW CENTERLINE, 4", 11" C-C (TYP.)
- ③ PAVEMENT MARKING TAPE, TYPE IV, SKIP DASH, 4" WHITE (TYP.)
- ④ PAVEMENT MARKING TAPE, TYPE IV, TURN LANE LINES, 6" WHITE (TYP.)
- ⑤ PAVEMENT MARKING TAPE, TYPE IV, DOTTED DASHED LINES, 6" WHITE (TYP.)
- ⑥ PAVEMENT MARKING TAPE, TYPE IV, PEDESTRIAN CROSSWALK, 6" WHITE (TYP.)
- ⑦ PAVEMENT MARKING TAPE, TYPE IV, DIAGONALS, 12" WHITE (TYP.)
- ⑧ PAVEMENT MARKING TAPE, TYPE IV, STOP BARS, 24" WHITE (TYP.)
- ⑨ PAVEMENT MARKING TAPE, TYPE IV, LETTERS & SYMBOLS, WHITE (TYP.)



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PLOT DATE = 3/26/2020	CHECKED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING AND TRAFFIC CONTROL, STAGE 1
FAP 372 /IL ROUTE 171(1ST AVENUE) AT ROOSEVELT ROAD**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	31
CONTRACT NO. 62A38				
ILLINOIS FED. AID PROJECT				

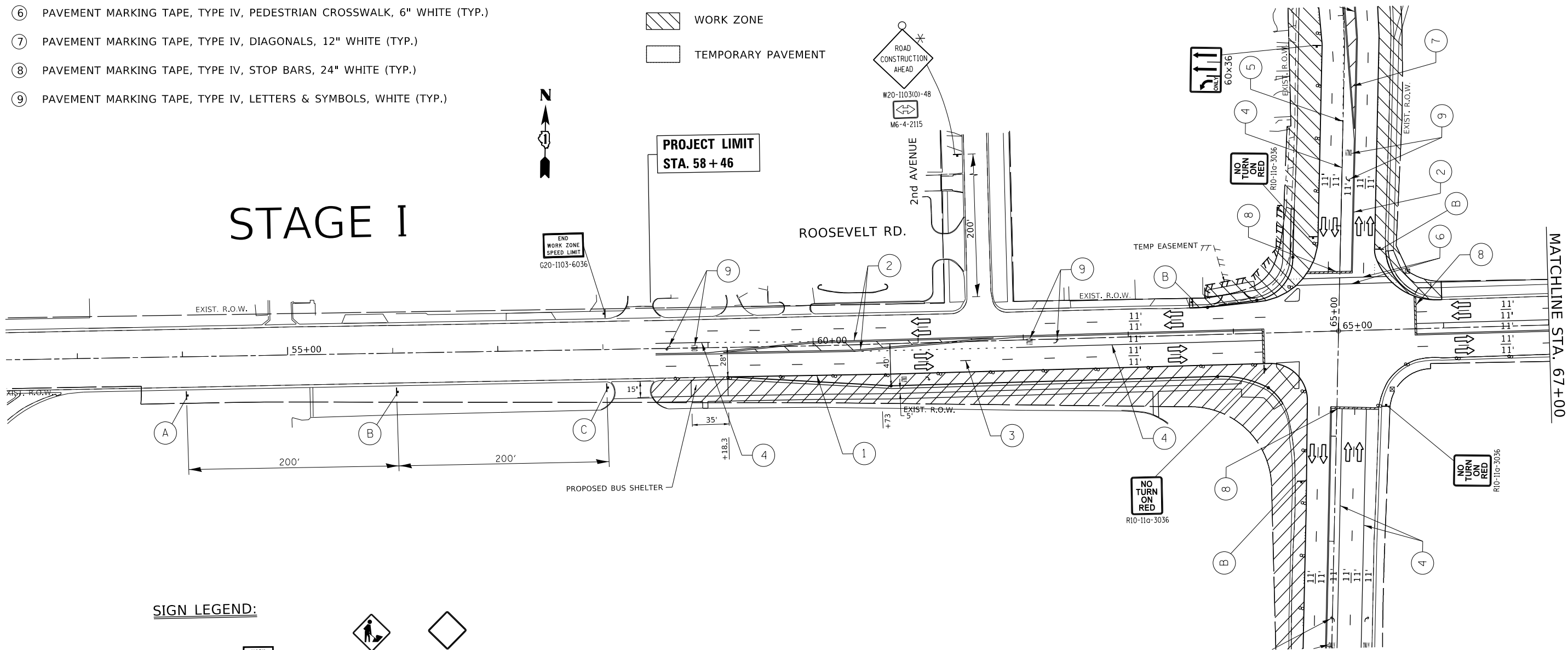
WORK ZONE PAVEMENT MARKING LEGEND:

- ① PAVEMENT MARKING TAPE, TYPE IV, EDGE LINE, 4" WHITE
- ② PAVEMENT MARKING TAPE, TYPE IV, DOUBLE YELLOW CENTERLINE, 4", 11" C-C (TYP.)
- ③ PAVEMENT MARKING TAPE, TYPE IV, SKIP DASH, 4" WHITE (TYP.)
- ④ PAVEMENT MARKING TAPE, TYPE IV, TURN LANE LINES, 6" WHITE (TYP.)
- ⑤ PAVEMENT MARKING TAPE, TYPE IV, DOTTED DASHED LINES, 6" WHITE (TYP.)
- ⑥ PAVEMENT MARKING TAPE, TYPE IV, PEDESTRIAN CROSSWALK, 6" WHITE (TYP.)
- ⑦ PAVEMENT MARKING TAPE, TYPE IV, DIAGONALS, 12" WHITE (TYP.)
- ⑧ PAVEMENT MARKING TAPE, TYPE IV, STOP BARS, 24" WHITE (TYP.)
- ⑨ PAVEMENT MARKING TAPE, TYPE IV, LETTERS & SYMBOLS, WHITE (TYP.)

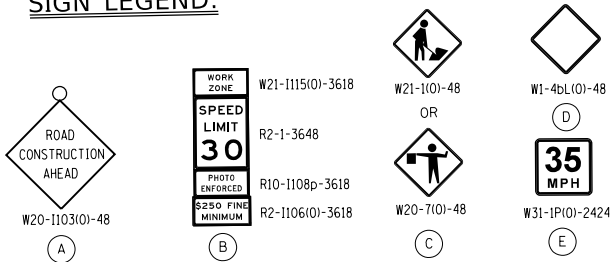
LEGEND:

- TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT
- ⊥ TYPE III BARRICADE WITH STEADY BURNING LIGHT
- ▬ CONSTRUCTION SIGN ON PORTABLE OR PERMANENT SUPPORT
- ➔ DIRECTION OF TRAVEL
- ➡ ARROW BOARD
- ▨ WORK ZONE
- ▭ TEMPORARY PAVEMENT

STAGE I



SIGN LEGEND:



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGING AND TRAFFIC CONTROL, STAGE 1
FAP 372 /IL ROUTE 171(1ST AVENUE) AT ROOSEVELT ROAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	32
			CONTRACT NO. 62A38	
		ILLINOIS FED. AID PROJECT		

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PLOT DATE = 3/26/2020	CHECKED -	REVISED -
	DATE -	REVISED -

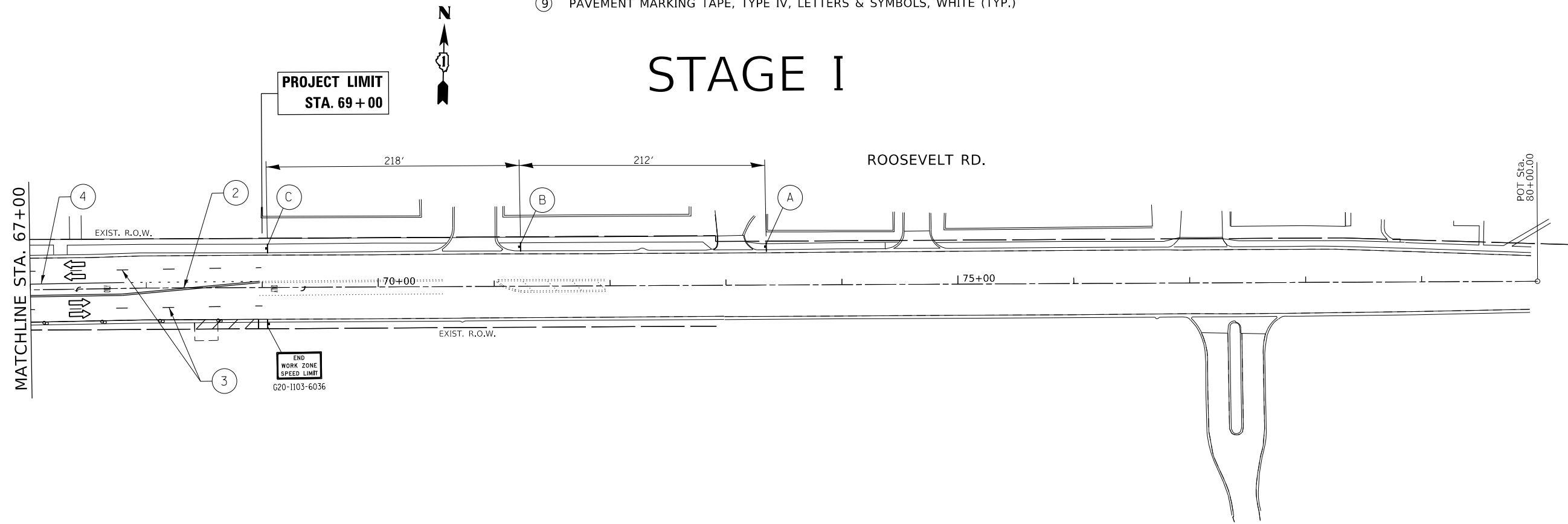
SCALE: 1"= 50' SHEET OF SHEETS STA. TO STA.

LEGEND:

- TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT
- ⊥ TYPE III BARRICADE WITH STEADY BURNING LIGHT
- ▬ CONSTRUCTION SIGN ON PORTABLE OR PERMANENT SUPPORT
- ➡ DIRECTION OF TRAVEL
- ➡ ARROW BOARD
- ▨ WORK ZONE
- TEMPORARY PAVEMENT

WORK ZONE PAVEMENT MARKING LEGEND:

- ① PAVEMENT MARKING TAPE, TYPE IV, EDGE LINE, 4" WHITE
- ② PAVEMENT MARKING TAPE, TYPE IV, DOUBLE YELLOW CENTERLINE, 4", 11" C-C (TYP.)
- ③ PAVEMENT MARKING TAPE, TYPE IV, SKIP DASH, 4" WHITE (TYP.)
- ④ PAVEMENT MARKING TAPE, TYPE IV, TURN LANE LINES, 6" WHITE (TYP.)
- ⑤ PAVEMENT MARKING TAPE, TYPE IV, DOTTED DASHED LINES, 6" WHITE (TYP.)
- ⑥ PAVEMENT MARKING TAPE, TYPE IV, PEDESTRIAN CROSSWALK, 6" WHITE (TYP.)
- ⑦ PAVEMENT MARKING TAPE, TYPE IV, DIAGONALS, 12" WHITE (TYP.)
- ⑧ PAVEMENT MARKING TAPE, TYPE IV, STOP BARS, 24" WHITE (TYP.)
- ⑨ PAVEMENT MARKING TAPE, TYPE IV, LETTERS & SYMBOLS, WHITE (TYP.)



SIGN LEGEND:

- W20-1103(0)-48
- W21-1115(0)-3618
R2-1-3648
R10-1108p-3618
R2-1106(0)-3618
- W21-11(0)-48
OR
W20-7(0)-48

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PLOT DATE = 3/26/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGING AND TRAFFIC CONTROL, STAGE 1
FAP 372 /IL ROUTE 171(1ST AVENUE) AT ROOSEVELT ROAD
 SCALE: 1"= 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	33
CONTRACT NO. 62A38				
ILLINOIS FED. AID PROJECT				

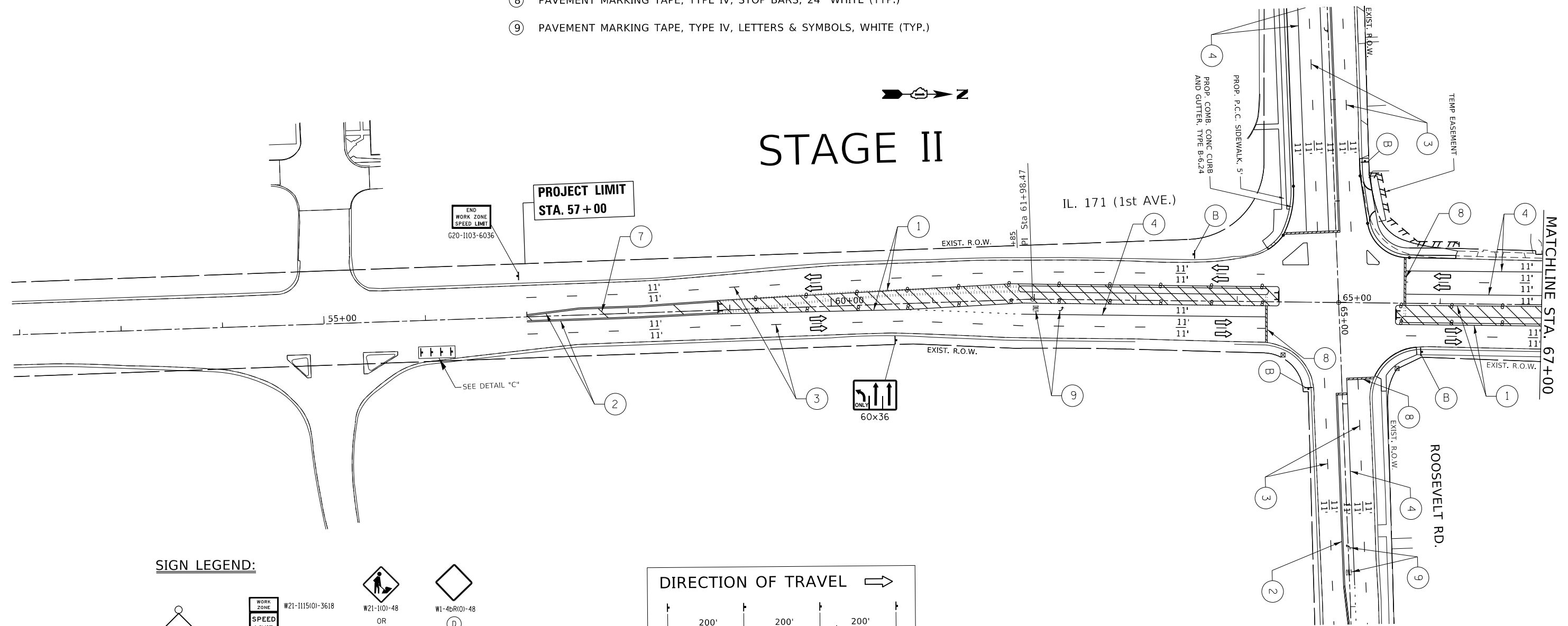
LEGEND:

- TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT
- ⊥ TYPE III BARRICADE WITH STEADY BURNING LIGHT
- ▬ CONSTRUCTION SIGN ON PORTABLE OR PERMANENT SUPPORT
- ➡ DIRECTION OF TRAVEL
- ➡ ARROW BOARD
- ▨ WORK ZONE
- TEMPORARY PAVEMENT

WORK ZONE PAVEMENT MARKING LEGEND:

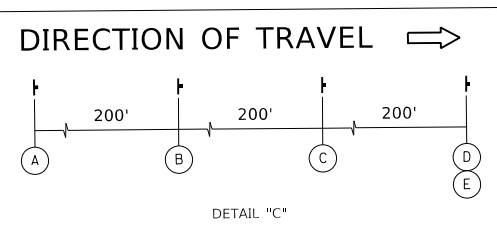
- ① PAVEMENT MARKING TAPE, TYPE IV, EDGE LINE, 4" WHITE
- ② PAVEMENT MARKING TAPE, TYPE IV, DOUBLE YELLOW CENTERLINE, 4", 11" C-C (TYP.)
- ③ PAVEMENT MARKING TAPE, TYPE IV, SKIP DASH, 4" WHITE (TYP.)
- ④ PAVEMENT MARKING TAPE, TYPE IV, TURN LANE LINES, 6" WHITE (TYP.)
- ⑤ PAVEMENT MARKING TAPE, TYPE IV, DOTTED DASHED LINES, 6" WHITE (TYP.)
- ⑥ PAVEMENT MARKING TAPE, TYPE IV, PEDESTRIAN CROSSWALK, 6" WHITE (TYP.)
- ⑦ PAVEMENT MARKING TAPE, TYPE IV, DIAGONALS, 12" WHITE (TYP.)
- ⑧ PAVEMENT MARKING TAPE, TYPE IV, STOP BARS, 24" WHITE (TYP.)
- ⑨ PAVEMENT MARKING TAPE, TYPE IV, LETTERS & SYMBOLS, WHITE (TYP.)

STAGE II



SIGN LEGEND:

- W20-1103(O)-48
- W21-1115(O)-3618
R2-1-3648
R10-1108p-3618
R2-1106(O)-3618
- W21-1(O)-48
OR
W20-7(O)-48
- W1-4b(R)(O)-48
OR
W31-1P(O)-2424



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PLOT DATE = 3/26/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING AND TRAFFIC CONTROL, STAGE 2
FAP 372 /IL ROUTE 171(1ST AVENUE) AT ROOSEVELT ROAD**

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

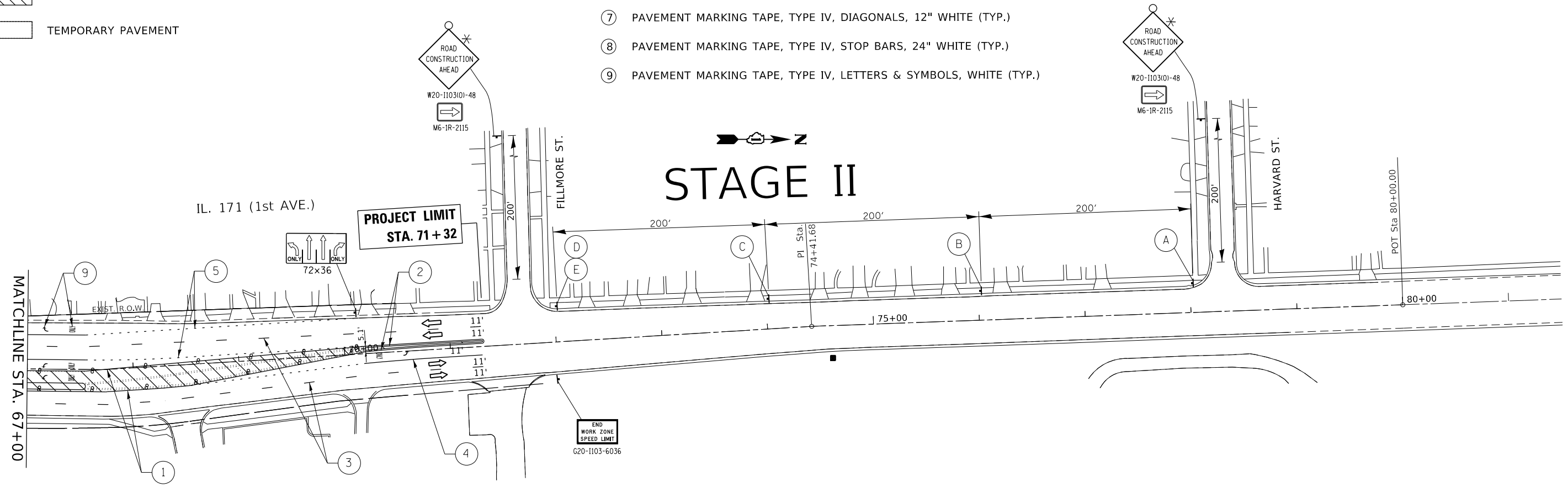
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	34
CONTRACT NO. 62A38				
ILLINOIS		FED. AID PROJECT		

LEGEND:

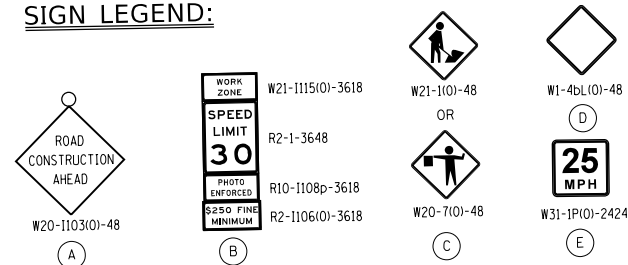
- TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT
- ⊥ TYPE III BARRICADE WITH STEADY BURNING LIGHT
- ⊥ CONSTRUCTION SIGN ON PORTABLE OR PERMANENT SUPPORT
- ➔ DIRECTION OF TRAVEL
- ➔ ARROW BOARD
- ▨ WORK ZONE
- TEMPORARY PAVEMENT

WORK ZONE PAVEMENT MARKING LEGEND:

- ① PAVEMENT MARKING TAPE, TYPE IV, EDGE LINE, 4" WHITE
- ② PAVEMENT MARKING TAPE, TYPE IV, DOUBLE YELLOW CENTERLINE, 4", 11" C-C (TYP.)
- ③ PAVEMENT MARKING TAPE, TYPE IV, SKIP DASH, 4" WHITE (TYP.)
- ④ PAVEMENT MARKING TAPE, TYPE IV, TURN LANE LINES, 6" WHITE (TYP.)
- ⑤ PAVEMENT MARKING TAPE, TYPE IV, DOTTED DASHED LINES, 6" WHITE (TYP.)
- ⑥ PAVEMENT MARKING TAPE, TYPE IV, PEDESTRIAN CROSSWALK, 6" WHITE (TYP.)
- ⑦ PAVEMENT MARKING TAPE, TYPE IV, DIAGONALS, 12" WHITE (TYP.)
- ⑧ PAVEMENT MARKING TAPE, TYPE IV, STOP BARS, 24" WHITE (TYP.)
- ⑨ PAVEMENT MARKING TAPE, TYPE IV, LETTERS & SYMBOLS, WHITE (TYP.)



SIGN LEGEND:



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING AND TRAFFIC CONTROL, STAGE 2
FAP 372 /IL ROUTE 171(1ST AVENUE) AT ROOSEVELT ROAD**

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

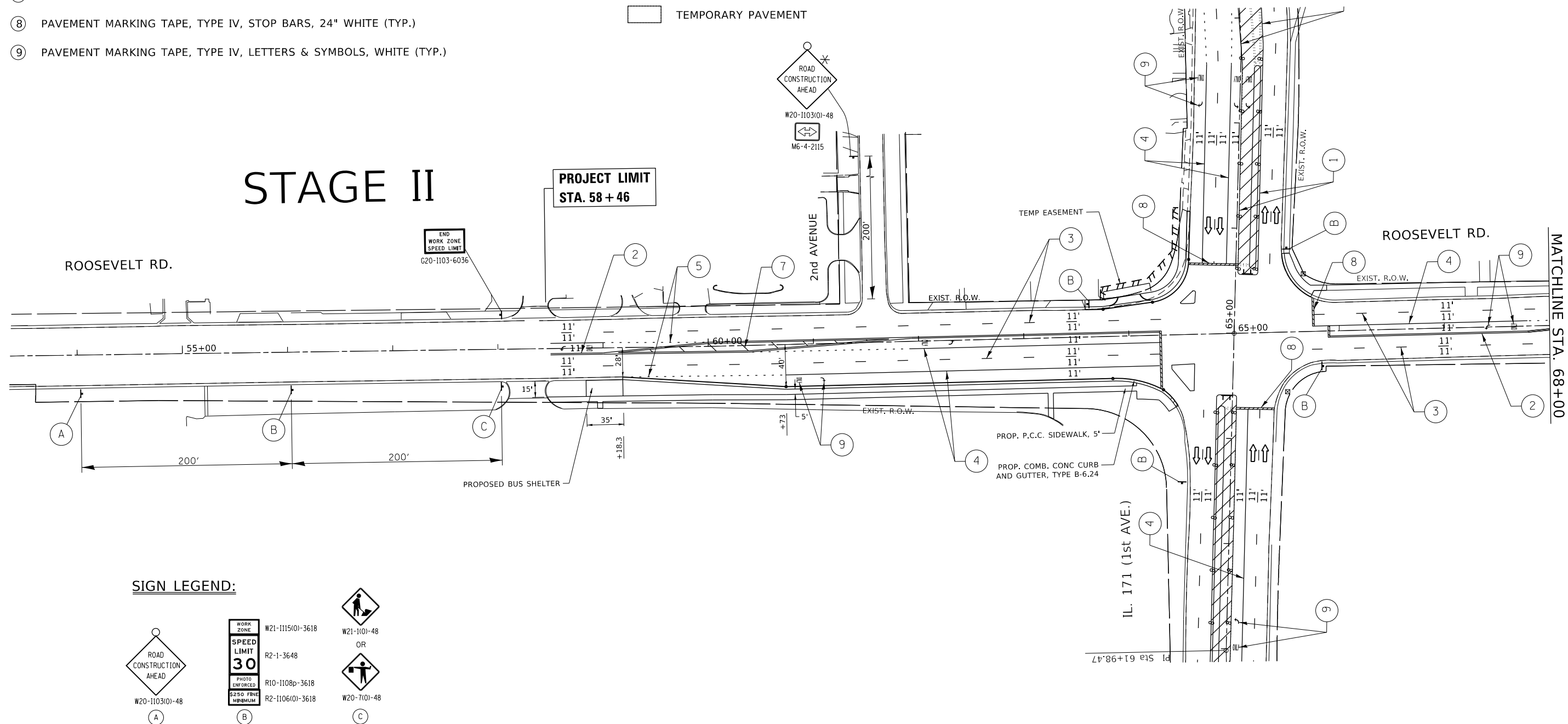
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	35
CONTRACT NO. 62A38				
ILLINOIS FED. AID PROJECT				

WORK ZONE PAVEMENT MARKING LEGEND:

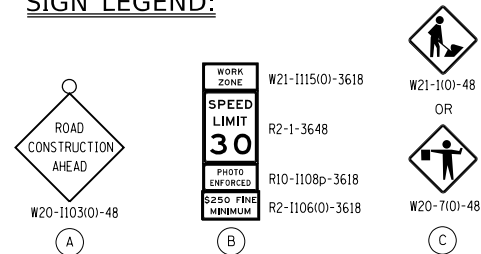
- ① PAVEMENT MARKING TAPE, TYPE IV, EDGE LINE, 4" WHITE
- ② PAVEMENT MARKING TAPE, TYPE IV, DOUBLE YELLOW CENTERLINE, 4", 11" C-C (TYP.)
- ③ PAVEMENT MARKING TAPE, TYPE IV, SKIP DASH, 4" WHITE (TYP.)
- ④ PAVEMENT MARKING TAPE, TYPE IV, TURN LANE LINES, 6" WHITE (TYP.)
- ⑤ PAVEMENT MARKING TAPE, TYPE IV, DOTTED DASHED LINES, 6" WHITE (TYP.)
- ⑥ PAVEMENT MARKING TAPE, TYPE IV, PEDESTRIAN CROSSWALK, 6" WHITE (TYP.)
- ⑦ PAVEMENT MARKING TAPE, TYPE IV, DIAGONALS, 12" WHITE (TYP.)
- ⑧ PAVEMENT MARKING TAPE, TYPE IV, STOP BARS, 24" WHITE (TYP.)
- ⑨ PAVEMENT MARKING TAPE, TYPE IV, LETTERS & SYMBOLS, WHITE (TYP.)

LEGEND:

- TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT
- ⊥ TYPE III BARRICADE WITH STEADY BURNING LIGHT
- ⊥ CONSTRUCTION SIGN ON PORTABLE OR PERMANENT SUPPORT
- ➡ DIRECTION OF TRAVEL
- ➡ ARROW BOARD
- ▨ WORK ZONE
- TEMPORARY PAVEMENT



SIGN LEGEND:



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PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/26/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING AND TRAFFIC CONTROL, STAGE 2
FAP 372 / IL ROUTE 171(1ST AVENUE) AT ROOSEVELT ROAD**

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

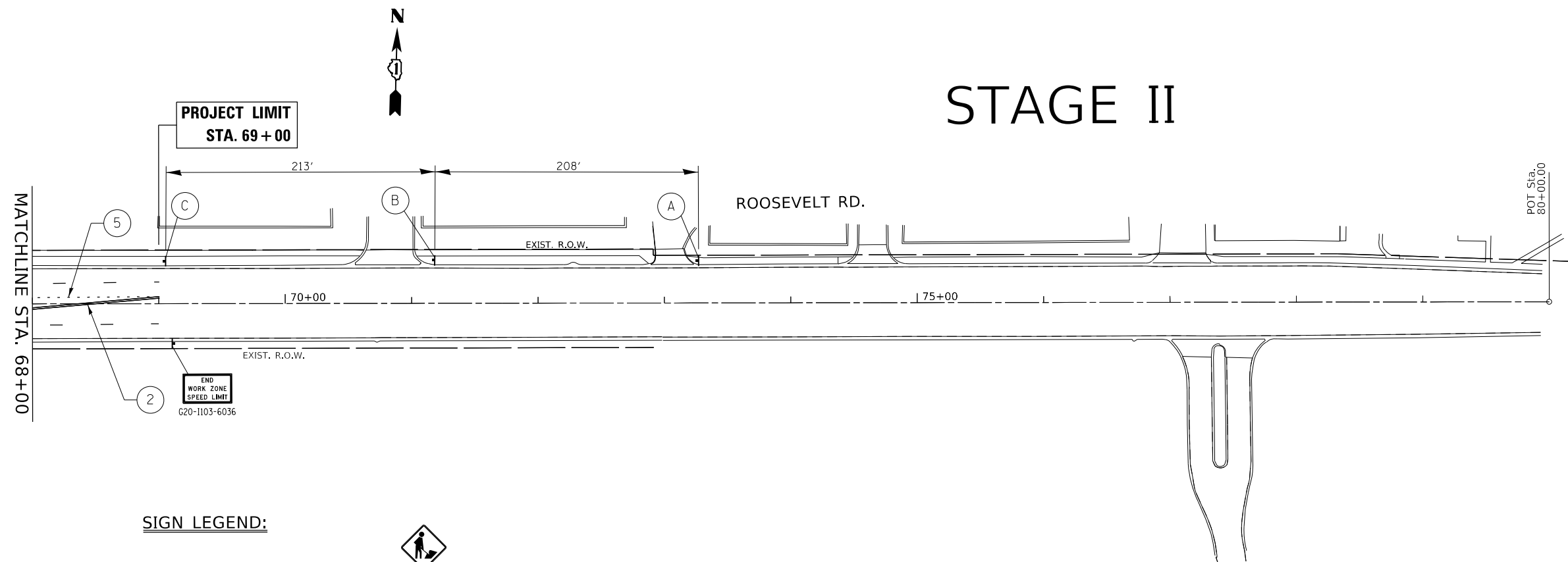
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CONTRACT NO. 62A38				
ILLINOIS FED. AID PROJECT				

LEGEND:

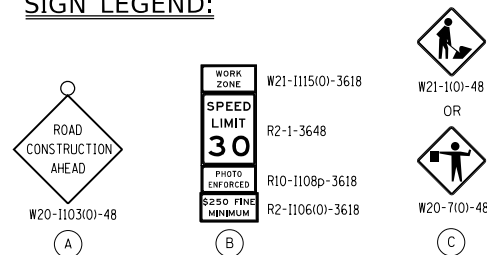
- TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT
- ⊥ TYPE III BARRICADE WITH STEADY BURNING LIGHT
- ▬ CONSTRUCTION SIGN ON PORTABLE OR PERMANENT SUPPORT
- ➡ DIRECTION OF TRAVEL
- ➡ ARROW BOARD
- ▨ WORK ZONE
- TEMPORARY PAVEMENT

WORK ZONE PAVEMENT MARKING LEGEND:

- ① PAVEMENT MARKING TAPE, TYPE IV, EDGE LINE, 4" WHITE
- ② PAVEMENT MARKING TAPE, TYPE IV, DOUBLE YELLOW CENTERLINE, 4", 11" C-C (TYP.)
- ③ PAVEMENT MARKING TAPE, TYPE IV, SKIP DASH, 4" WHITE (TYP.)
- ④ PAVEMENT MARKING TAPE, TYPE IV, TURN LANE LINES, 6" WHITE (TYP.)
- ⑤ PAVEMENT MARKING TAPE, TYPE IV, DOTTED DASHED LINES, 6" WHITE (TYP.)
- ⑥ PAVEMENT MARKING TAPE, TYPE IV, PEDESTRIAN CROSSWALK, 6" WHITE (TYP.)
- ⑦ PAVEMENT MARKING TAPE, TYPE IV, DIAGONALS, 12" WHITE (TYP.)
- ⑧ PAVEMENT MARKING TAPE, TYPE IV, STOP BARS, 24" WHITE (TYP.)
- ⑨ PAVEMENT MARKING TAPE, TYPE IV, LETTERS & SYMBOLS, WHITE (TYP.)



SIGN LEGEND:



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

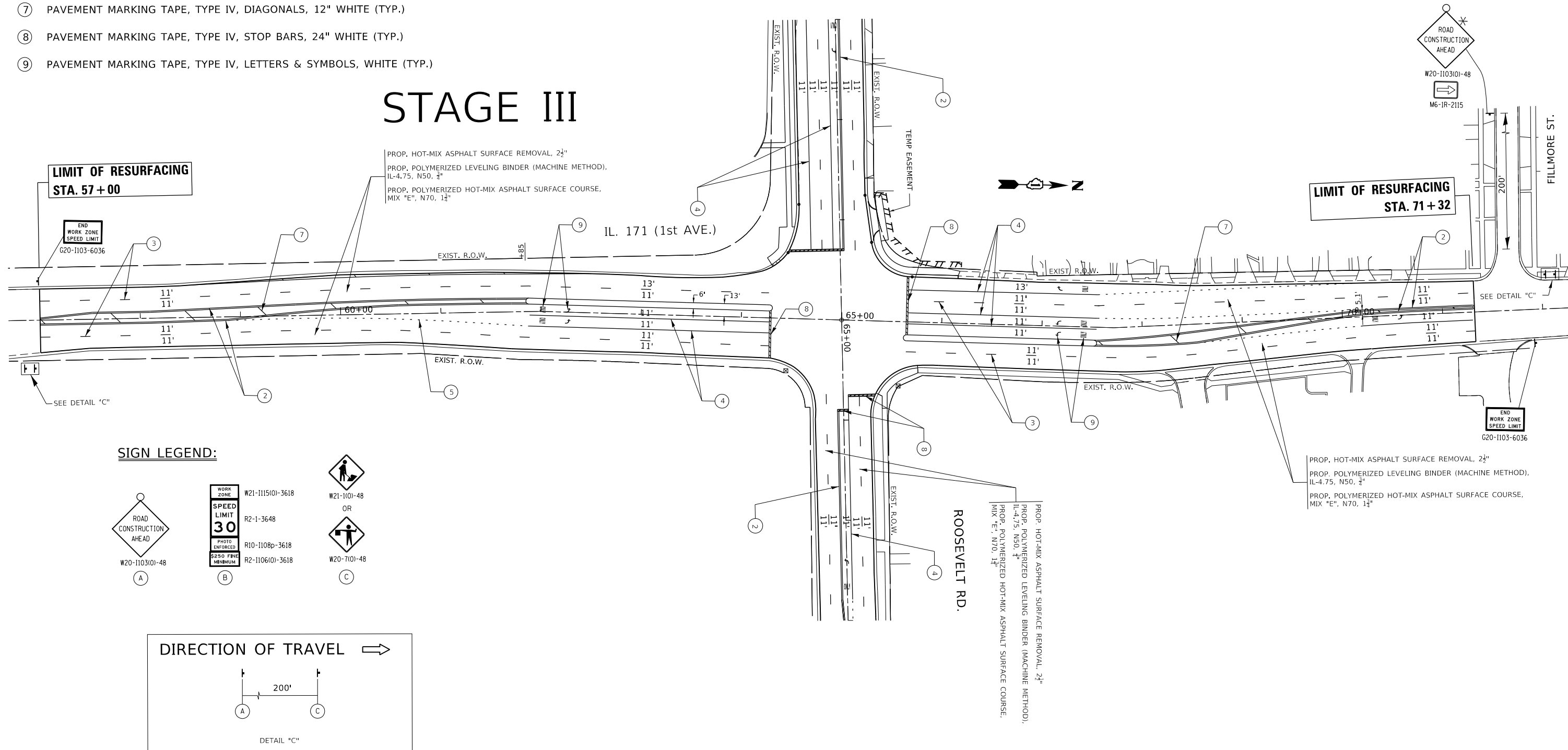
SUGGESTED STAGING AND TRAFFIC CONTROL, STAGE 2			
FAP 372 /IL ROUTE 171(1ST AVENUE) AT ROOSEVELT ROAD			
SCALE: 1"= 50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	37
CONTRACT NO. 62A38				
ILLINOIS FED. AID PROJECT				

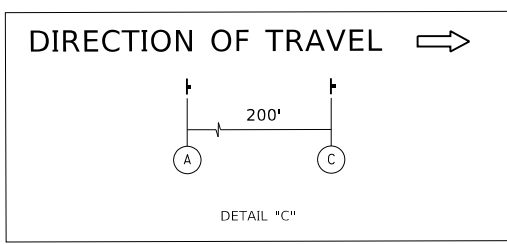
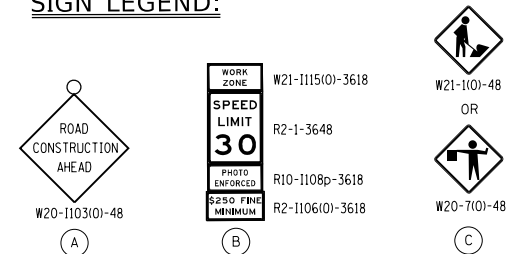
WORK ZONE PAVEMENT MARKING LEGEND:

- ① PAVEMENT MARKING TAPE, TYPE IV, EDGE LINE, 4" WHITE
- ② PAVEMENT MARKING TAPE, TYPE IV, DOUBLE YELLOW CENTERLINE, 4", 11" C-C (TYP.)
- ③ PAVEMENT MARKING TAPE, TYPE IV, SKIP DASH, 4" WHITE (TYP.)
- ④ PAVEMENT MARKING TAPE, TYPE IV, TURN LANE LINES, 6" WHITE (TYP.)
- ⑤ PAVEMENT MARKING TAPE, TYPE IV, DOTTED DASHED LINES, 6" WHITE (TYP.)
- ⑥ PAVEMENT MARKING TAPE, TYPE IV, PEDESTRIAN CROSSWALK, 6" WHITE (TYP.)
- ⑦ PAVEMENT MARKING TAPE, TYPE IV, DIAGONALS, 12" WHITE (TYP.)
- ⑧ PAVEMENT MARKING TAPE, TYPE IV, STOP BARS, 24" WHITE (TYP.)
- ⑨ PAVEMENT MARKING TAPE, TYPE IV, LETTERS & SYMBOLS, WHITE (TYP.)

STAGE III



SIGN LEGEND:



MODEL: Default
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USER NAME = steedpa	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/26/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING AND TRAFFIC CONTROL, STAGE 3
FAP 372 / IL ROUTE 171(1ST AVENUE) AT ROOSEVELT ROAD**

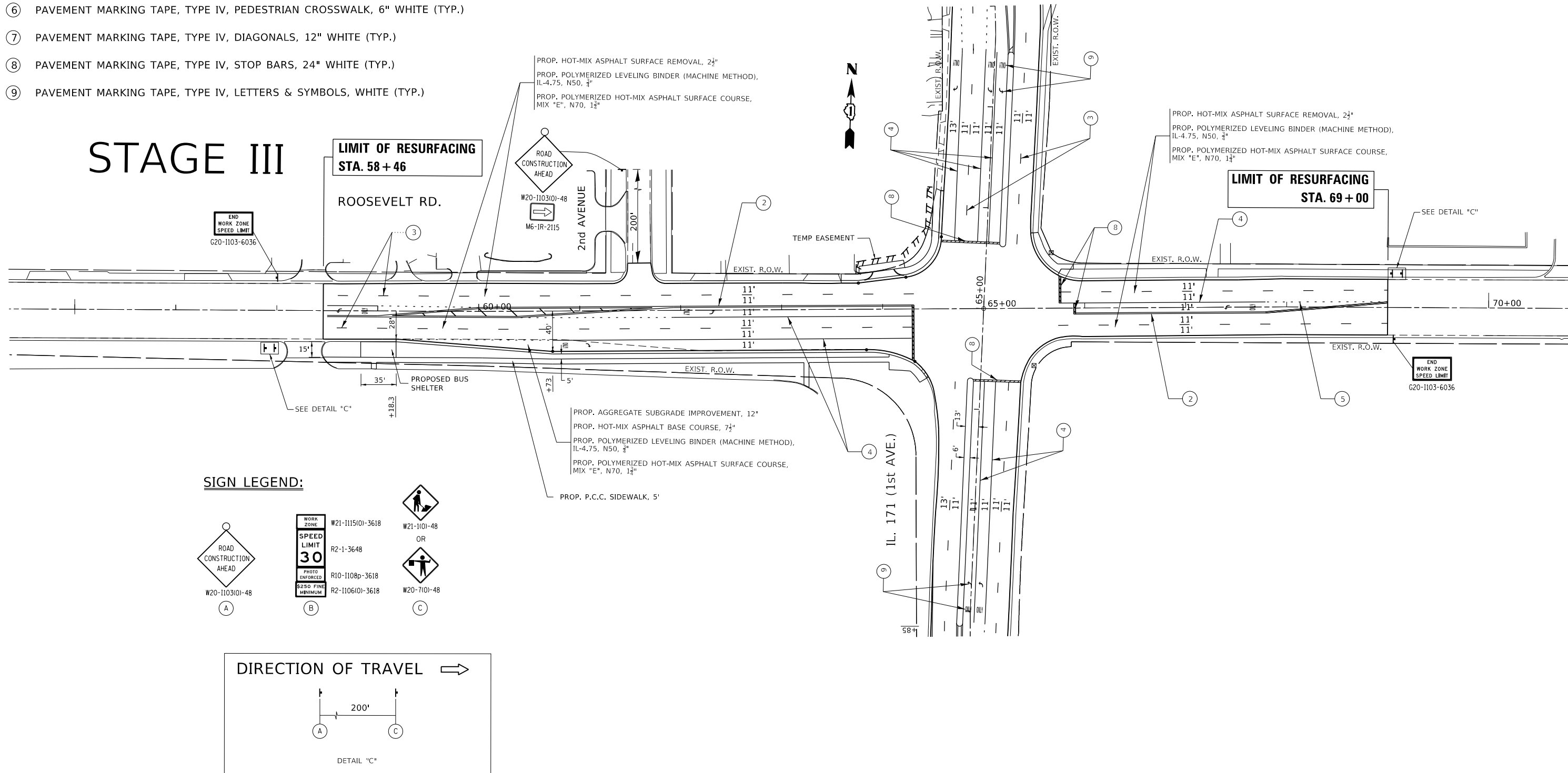
SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	38
CONTRACT NO. 62A38				
ILLINOIS FED. AID PROJECT				

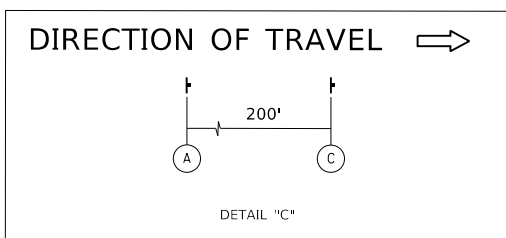
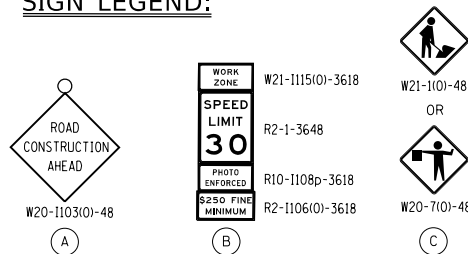
WORK ZONE PAVEMENT MARKING LEGEND:

- ① PAVEMENT MARKING TAPE, TYPE IV, EDGE LINE, 4" WHITE
- ② PAVEMENT MARKING TAPE, TYPE IV, DOUBLE YELLOW CENTERLINE, 4", 11" C-C (TYP.)
- ③ PAVEMENT MARKING TAPE, TYPE IV, SKIP DASH, 4" WHITE (TYP.)
- ④ PAVEMENT MARKING TAPE, TYPE IV, TURN LANE LINES, 6" WHITE (TYP.)
- ⑤ PAVEMENT MARKING TAPE, TYPE IV, DOTTED DASHED LINES, 6" WHITE (TYP.)
- ⑥ PAVEMENT MARKING TAPE, TYPE IV, PEDESTRIAN CROSSWALK, 6" WHITE (TYP.)
- ⑦ PAVEMENT MARKING TAPE, TYPE IV, DIAGONALS, 12" WHITE (TYP.)
- ⑧ PAVEMENT MARKING TAPE, TYPE IV, STOP BARS, 24" WHITE (TYP.)
- ⑨ PAVEMENT MARKING TAPE, TYPE IV, LETTERS & SYMBOLS, WHITE (TYP.)

STAGE III



SIGN LEGEND:



MODEL: Default
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 PROJECT: \\nrcs-pub\pub\room.dwg
 OFFICE: \\nrcs-pub\pub\room.dwg
 DATE: 3/26/2020

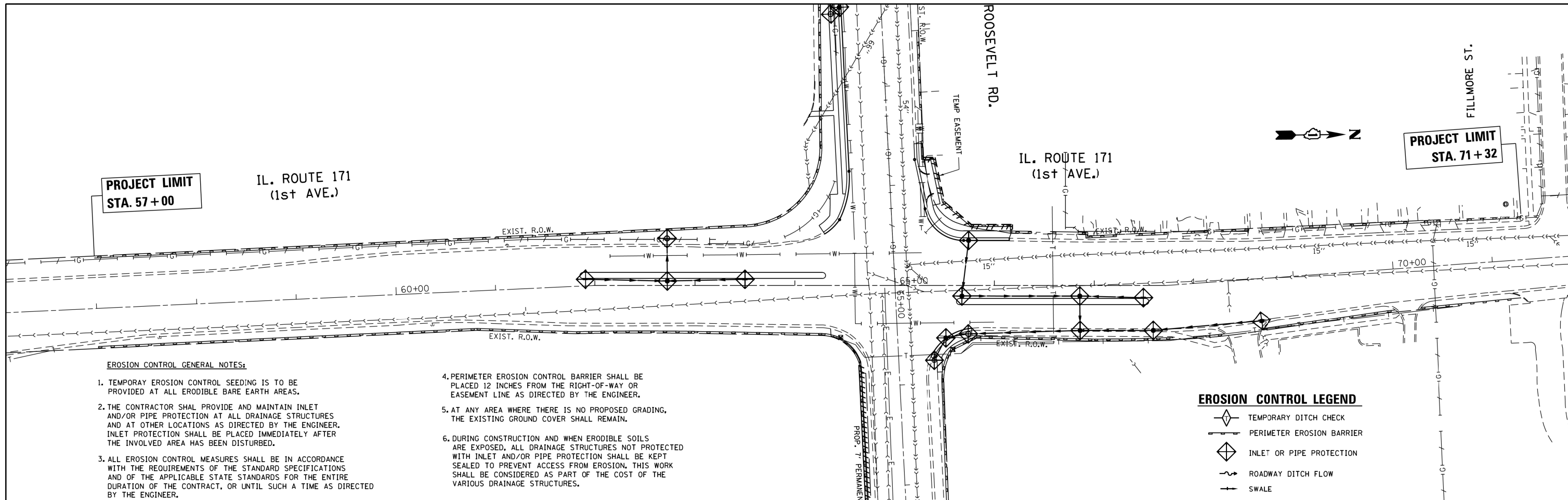
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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/26/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGING AND TRAFFIC CONTROL, STAGE 3
FAP 372 /IL ROUTE 171(1ST AVENUE) AT ROOSEVELT ROAD**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	39
CONTRACT NO. 62A38				
ILLINOIS FED. AID PROJECT				



**PROJECT LIMIT
STA. 57+00**

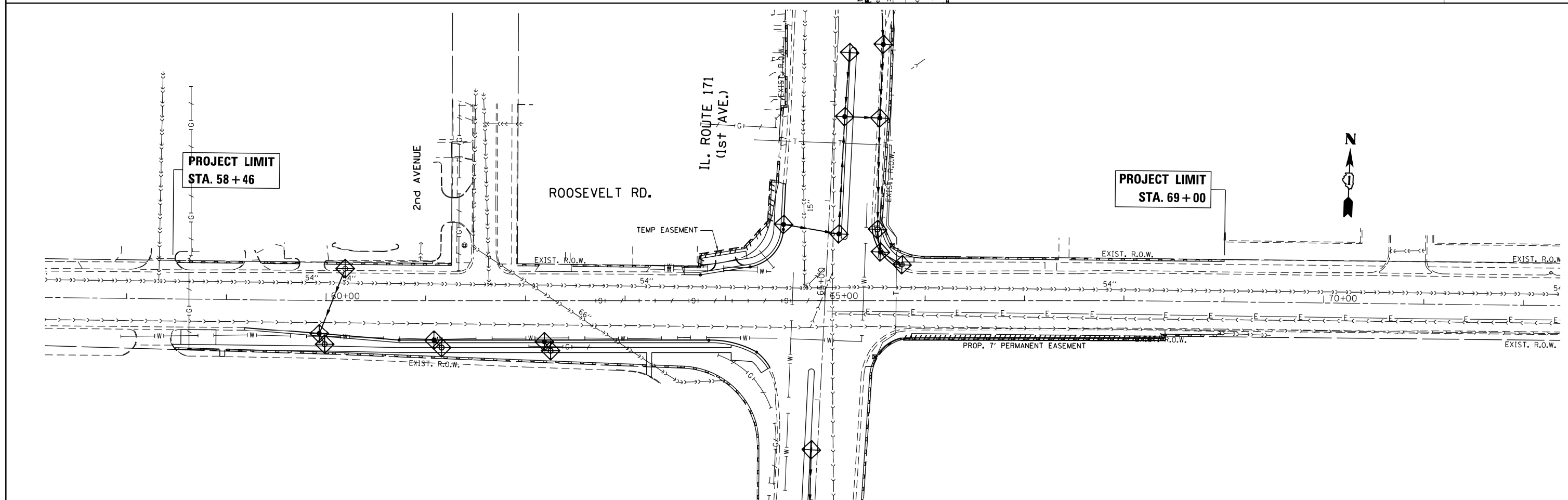
**PROJECT LIMIT
STA. 71+32**

EROSION CONTROL GENERAL NOTES:

1. TEMPORARY EROSION CONTROL SEEDING IS TO BE PROVIDED AT ALL ERODIBLE BARE EARTH AREAS.
2. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN INLET AND/OR PIPE PROTECTION AT ALL DRAINAGE STRUCTURES AND AT OTHER LOCATIONS AS DIRECTED BY THE ENGINEER. INLET PROTECTION SHALL BE PLACED IMMEDIATELY AFTER THE INVOLVED AREA HAS BEEN DISTURBED.
3. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND OF THE APPLICABLE STATE STANDARDS FOR THE ENTIRE DURATION OF THE CONTRACT, OR UNTIL SUCH A TIME AS DIRECTED BY THE ENGINEER.
4. PERIMETER EROSION CONTROL BARRIER SHALL BE PLACED 12 INCHES FROM THE RIGHT-OF-WAY OR EASEMENT LINE AS DIRECTED BY THE ENGINEER.
5. AT ANY AREA WHERE THERE IS NO PROPOSED GRADING, THE EXISTING GROUND COVER SHALL REMAIN.
6. DURING CONSTRUCTION AND WHEN ERODIBLE SOILS ARE EXPOSED, ALL DRAINAGE STRUCTURES NOT PROTECTED WITH INLET AND/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.

EROSION CONTROL LEGEND

- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER
- INLET OR PIPE PROTECTION
- ROADWAY DITCH FLOW
- SWALE



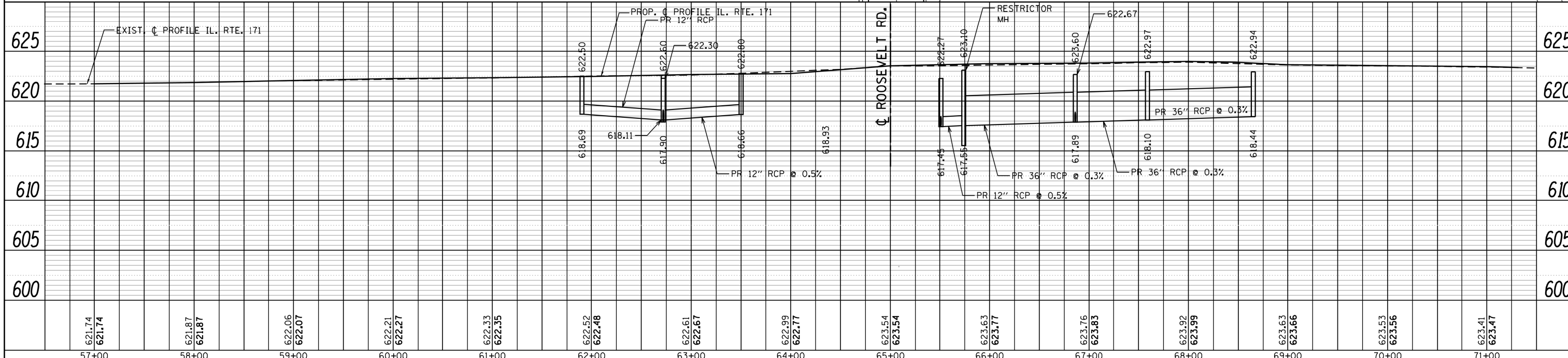
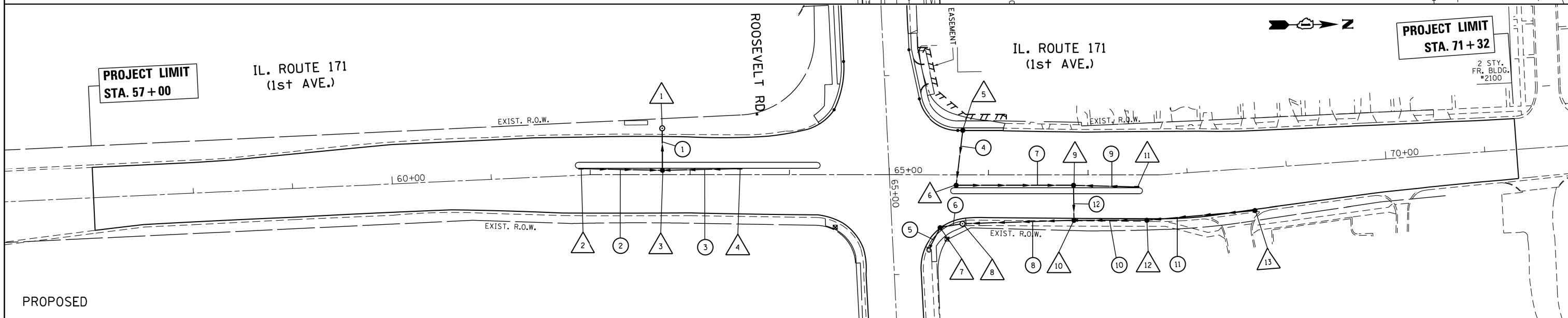
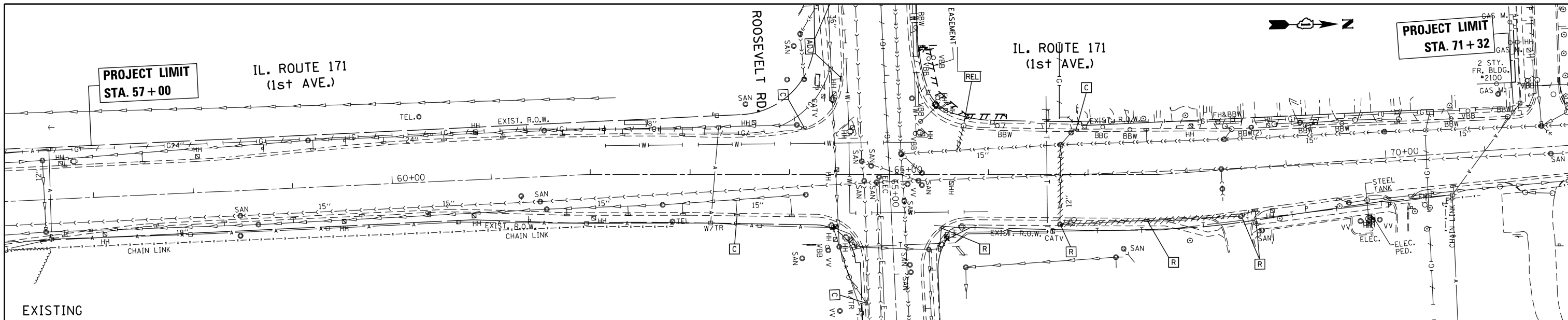
**PROJECT LIMIT
STA. 58+46**

**PROJECT LIMIT
STA. 69+00**

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	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -					372	3091-TS-&N-1	COOK	103	40
Default	PLOT DATE = 9/18/2017	DATE -	REVISED -	SCALE: 1"=50'			SHEET	OF	SHEETS	STA.	TO	STA.
											CONTRACT NO. 62A38	
											ILLINOIS FED. AID PROJECT	

DATE	
BY	
PLAN	SURVEYED
	NOTED
	CHECKED
	FILED
	NO.

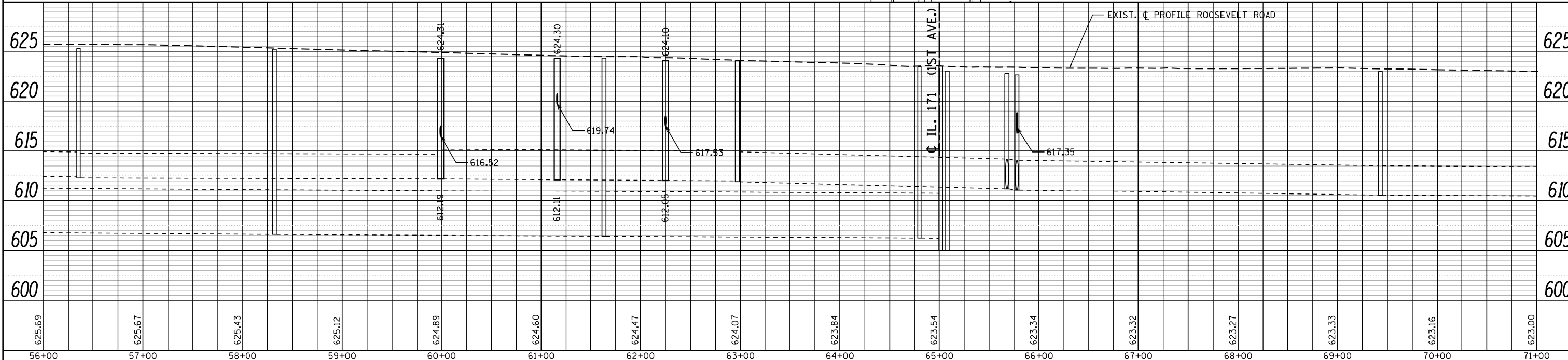
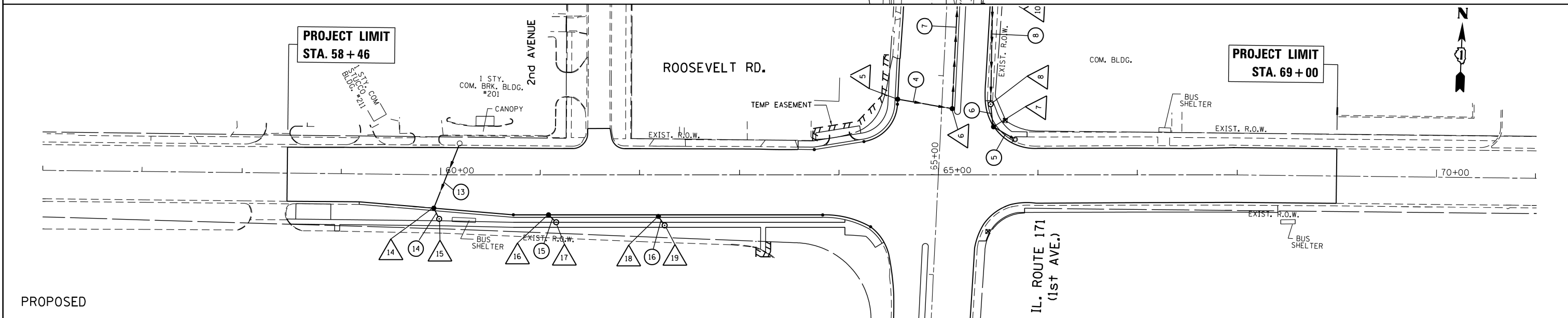
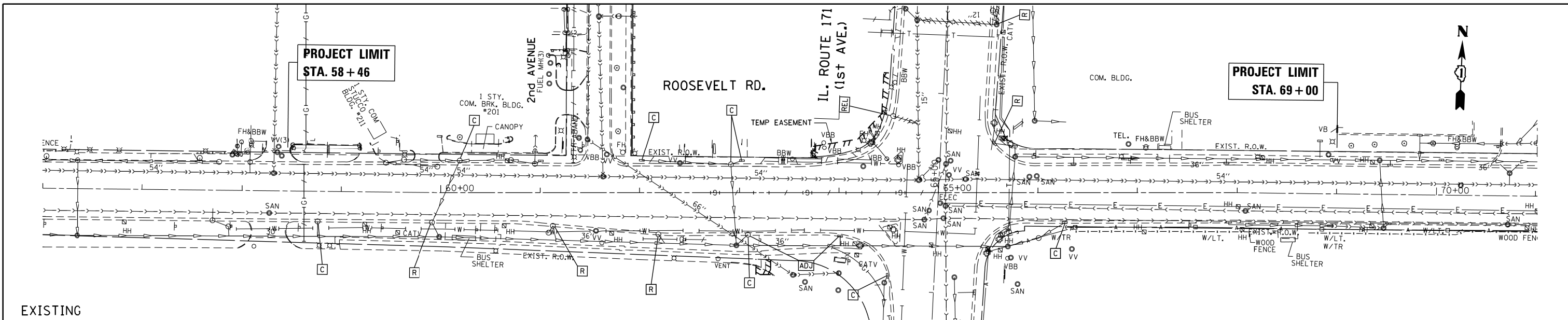
DATE	
BY	
PROFILE	SURVEYED
	GRADES
	CHECKED
	STRUCTURE
	NOTATIONS
	CPROD
	NO.



FILE NAME =	USER NAME = steedpa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		DRAINAGE PLAN & PROFILE IL. ROUTE 171 AT ROOSEVELT ROAD		F.A.P. RTE. 372	SECTION 3091-TS-&N-1	COUNTY COOK	TOTAL SHEETS 103	SHEET NO. 41
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -	SCALE: 1"=50'		SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 62A38		ILLINOIS FED. AID PROJECT		

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

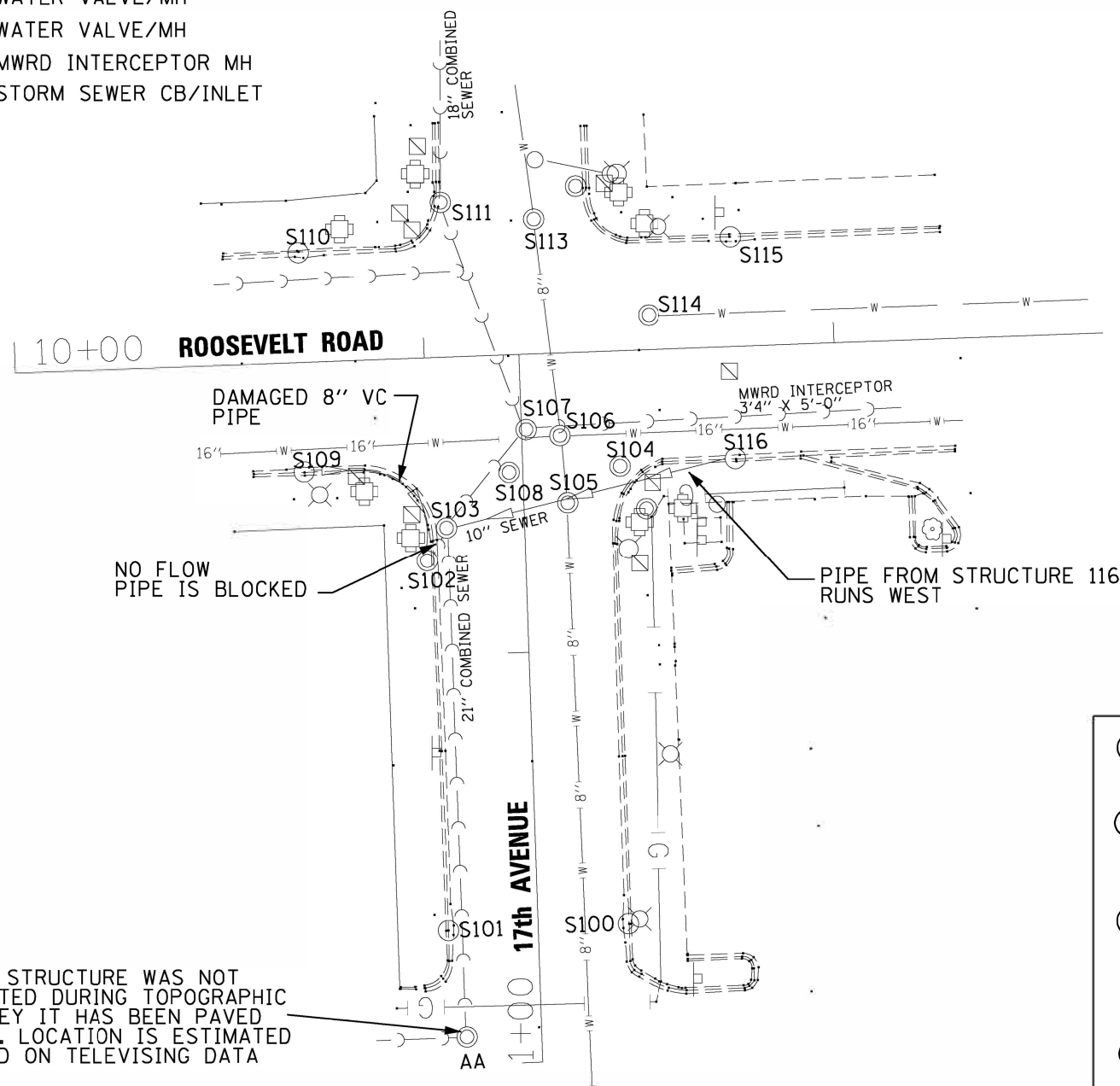
DATE	
BY	
SURVEYED	
PLOTTED	
GRADES CHECKED	
NOTE BOOK NO.	
STRUCTURE NOTATIONS CHECKED	



FILE NAME =	USER NAME = steedpa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN & PROFILE			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default		CHECKED -	REVISED -		372	3091-TS-&N-1	COOK	103	42			
		DATE -	REVISED -		IL. ROUTE 171 AT ROOSEVELT ROAD			CONTRACT NO. 62A38				
					SCALE: 1"=50'	SHEET	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

STRUCTURE NUMBERS

- | | |
|---------------------------|---------------------------|
| S100 STORM SEWER CB/INLET | S110 STORM SEWER CB/INLET |
| S101 STORM SEWER CB/INLET | S111 COMBINED SEWER MH |
| S102 STORM SEWER MH | S113 WATER VALVE/MH |
| S103 COMBINED SEWER MH | S114 WATER VALVE/MH |
| S104 WATER VALVE/MH | S115 STORM SEWER CB/INLET |
| S105 WATER VALVE/MH | |
| S106 WATER VALVE/MH | |
| S107 MWRD INTERCEPTOR MH | |
| S109 STORM SEWER CB/INLET | |



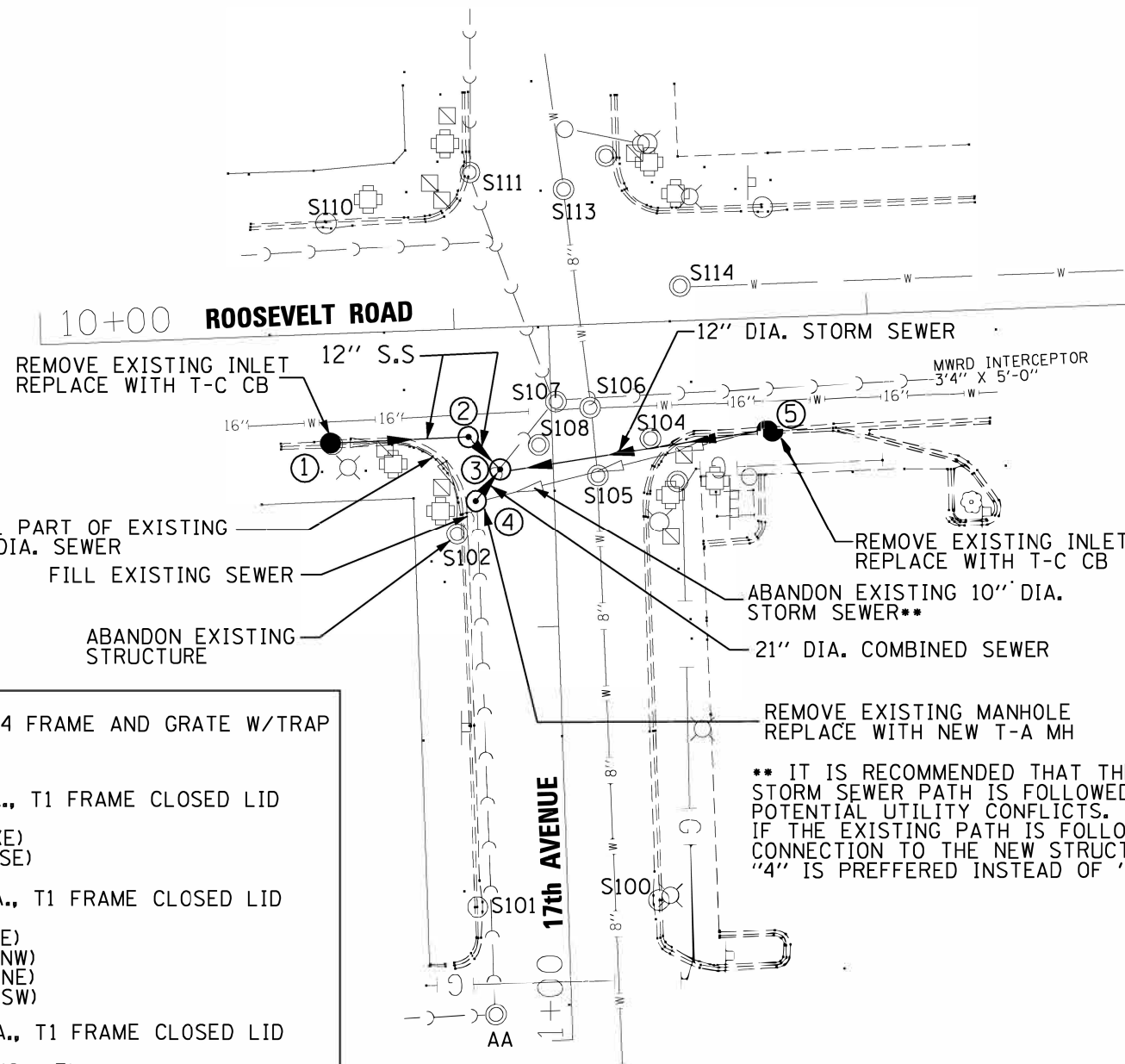
THIS STRUCTURE WAS NOT LOCATED DURING TOPOGRAPHIC SURVEY IT HAS BEEN PAVED OVER. LOCATION IS ESTIMATED BASED ON TELEVISIONING DATA

EXISTING CONDITIONS

LEGEND

- | | | | |
|--|----------------------------|--|-------------------------------|
| | TRAFFIC SIGN | | GAS LINE |
| | HAND HOLE | | WATERMAIN |
| | TRAFFIC SIGNAL | | EXISTING SEWER/COMBINED SEWER |
| | EXISTING CATCH BASIN/INLET | | EXISTING STORM SEWER |
| | EXISTING MANHOLE | | PROPOSED STORM SEWER |
| | FIRE HYDRANT | | PROPOSED CATCH BASIN |
| | | | PROPOSED MANHOLE |

- ① CB T-C /T-24 FRAME AND GRATE W/TRAP
RIM. 628.11
INV. 625.11
 - ② MH T-A 4'DIA., T1 FRAME CLOSED LID
RIM 628.50*
INV. 623.00 (E)
INV. 619.50 (SE)
 - ③ MH T-A 5'DIA., T1 FRAME CLOSED LID
RIM 628.50*
INV. 617.42 (E)
INV. 619.00 (NW)
INV. 609.19 (NE)
INV. 609.19 (SW)
 - ④ MH T-A 5'DIA., T1 FRAME CLOSED LID
RIM 628.27
INV. 609.77 (S, NE)
 - ⑤ CB T-C /T-24 FRAME AND GRATE W/TRAP
RIM. 627.75
INV. 624.75
- * VERIFY IN THE FIELD



PROPOSED IMPROVEMENTS

** IT IS RECOMMENDED THAT THE EXISTING STORM SEWER PATH IS FOLLOWED TO AVOID POTENTIAL UTILITY CONFLICTS. IF THE EXISTING PATH IS FOLLOWED CONNECTION TO THE NEW STRUCTURE "4" IS PREFERRED INSTEAD OF "3".

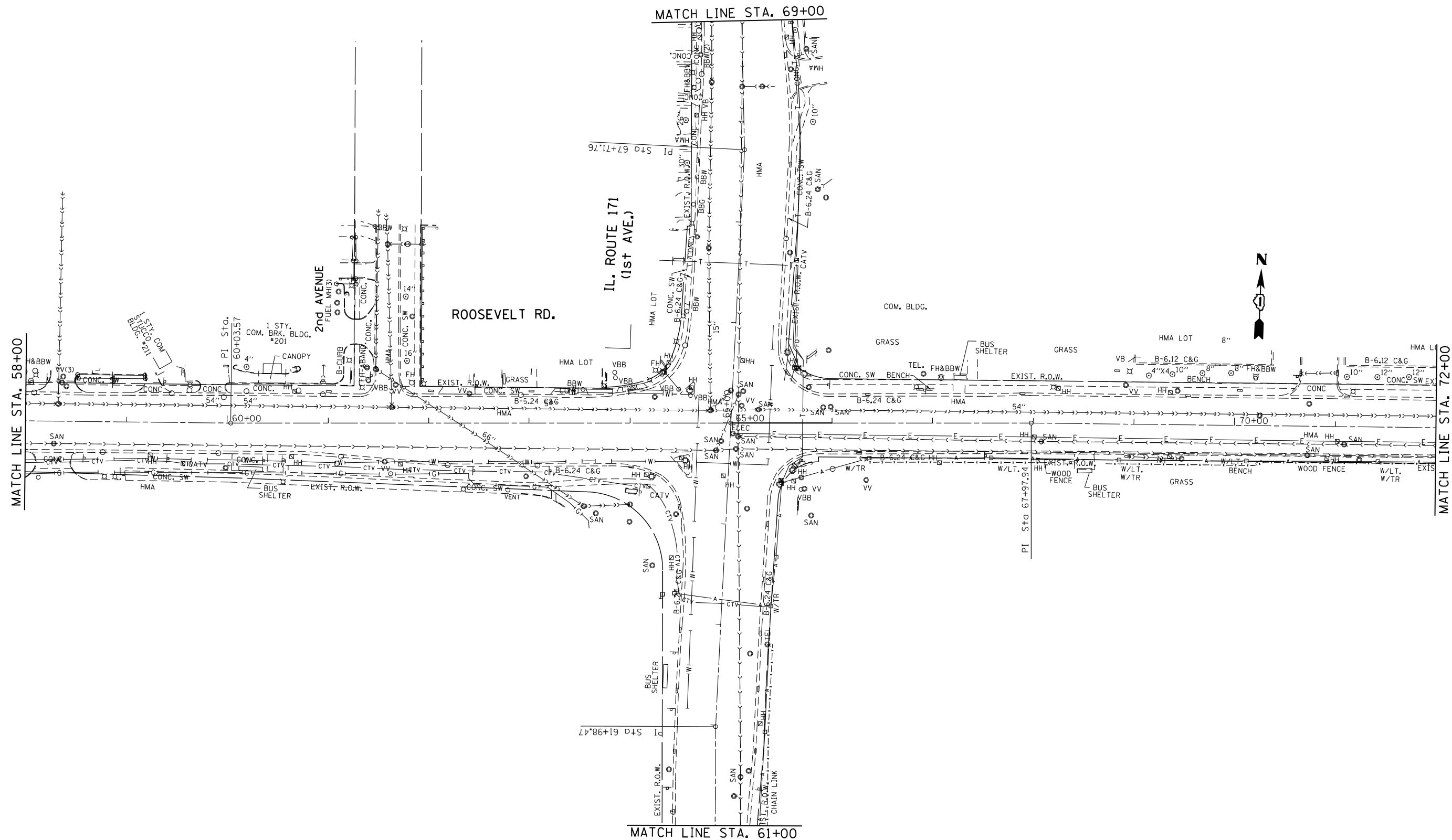
REVISIONS	
NAME	DATE
FINAL	12/02/11

ILLINOIS DEPARTMENT OF TRANSPORTATION
ROOSEVELT AVENUE
(IL-38) AT 17TH AVENUE

DRAINAGE INVESTIGATION
EXISTING CONDITIONS AND
PROPOSED IMPROVEMENT PLAN

DATE: 9/2/11
DESIGNED BY: LSM
CHECKED BY: OIU

SCALE: 1"= 40'

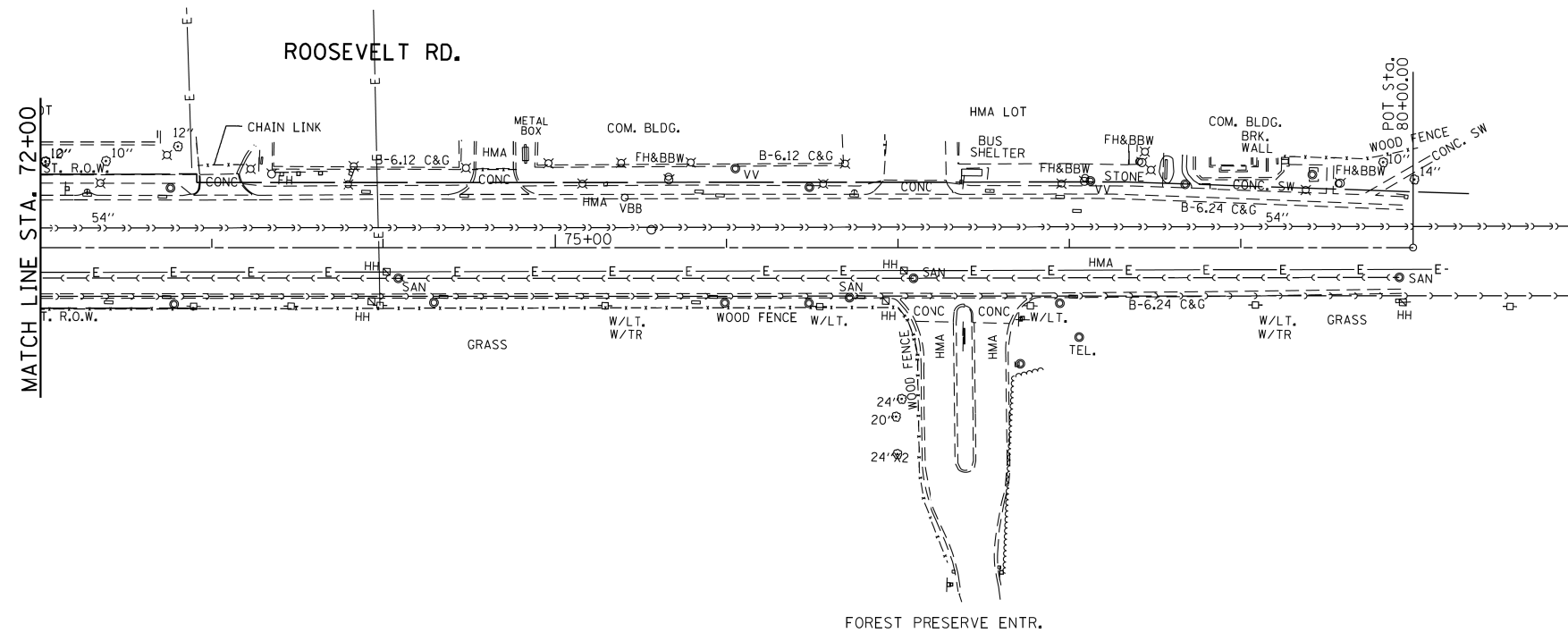
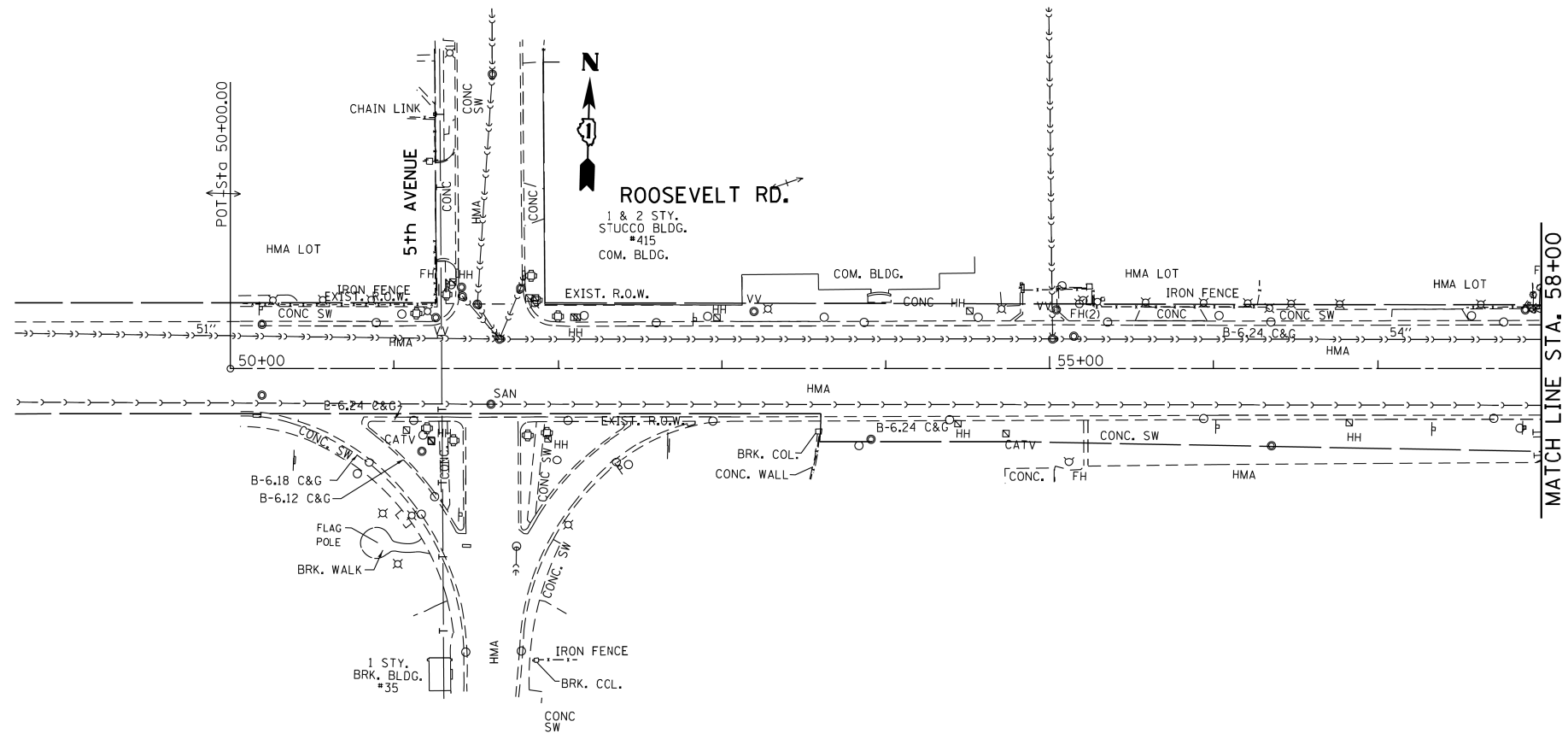


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Default	PLOT DATE = 8/31/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUE STUDY			
IL. RTE. 171 (1st AVE.) AT ROOSEVELT RD.			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	44
			CONTRACT NO. 62A38	
ILLINOIS FED. AID PROJECT				

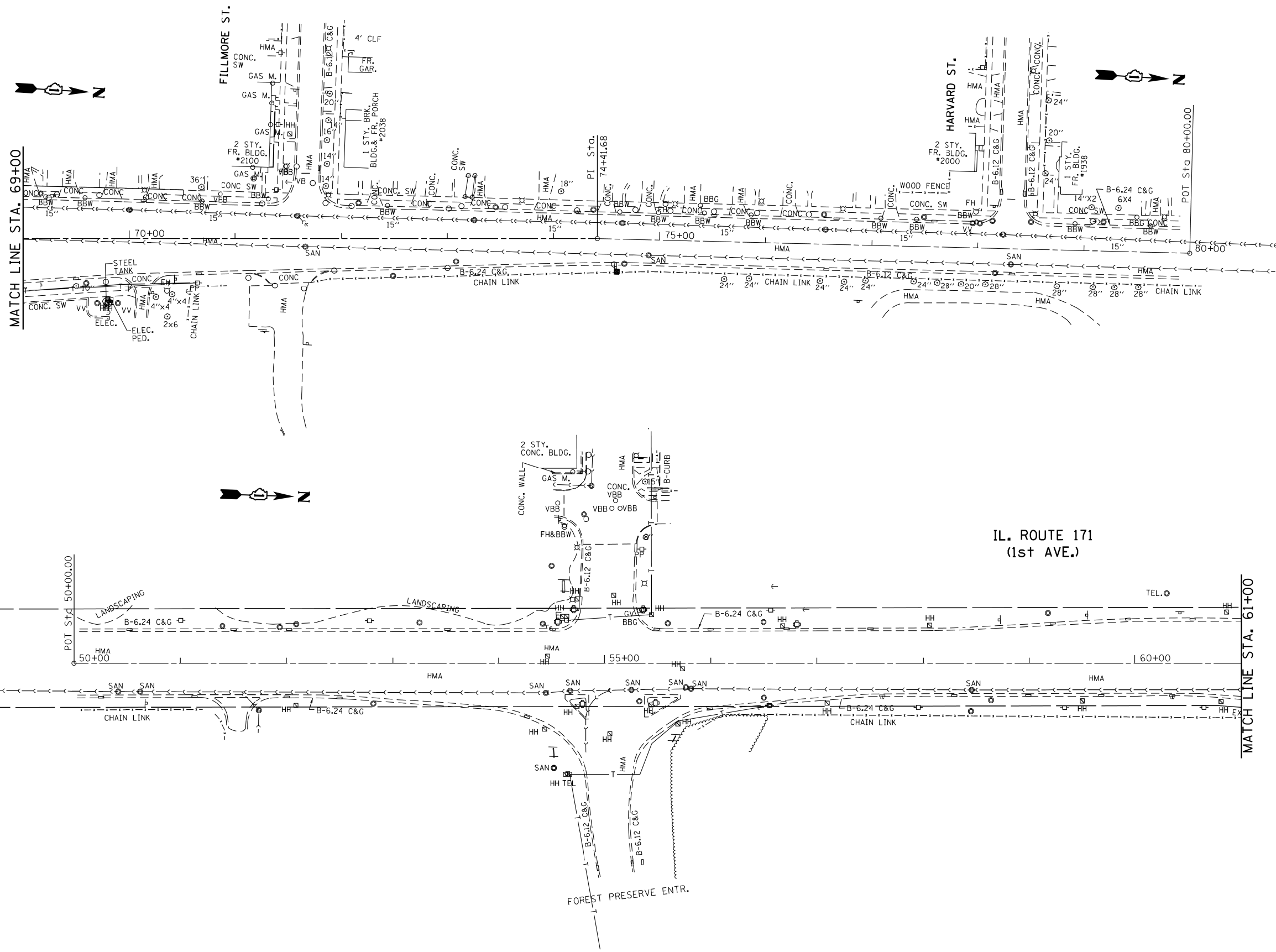


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Default	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -
	PLOT DATE = 8/31/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUE STUDY		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		372	3091-TS&N-1	COOK	103	45
SCALE:		SHEET	OF	SHEETS	STA.	TO STA.

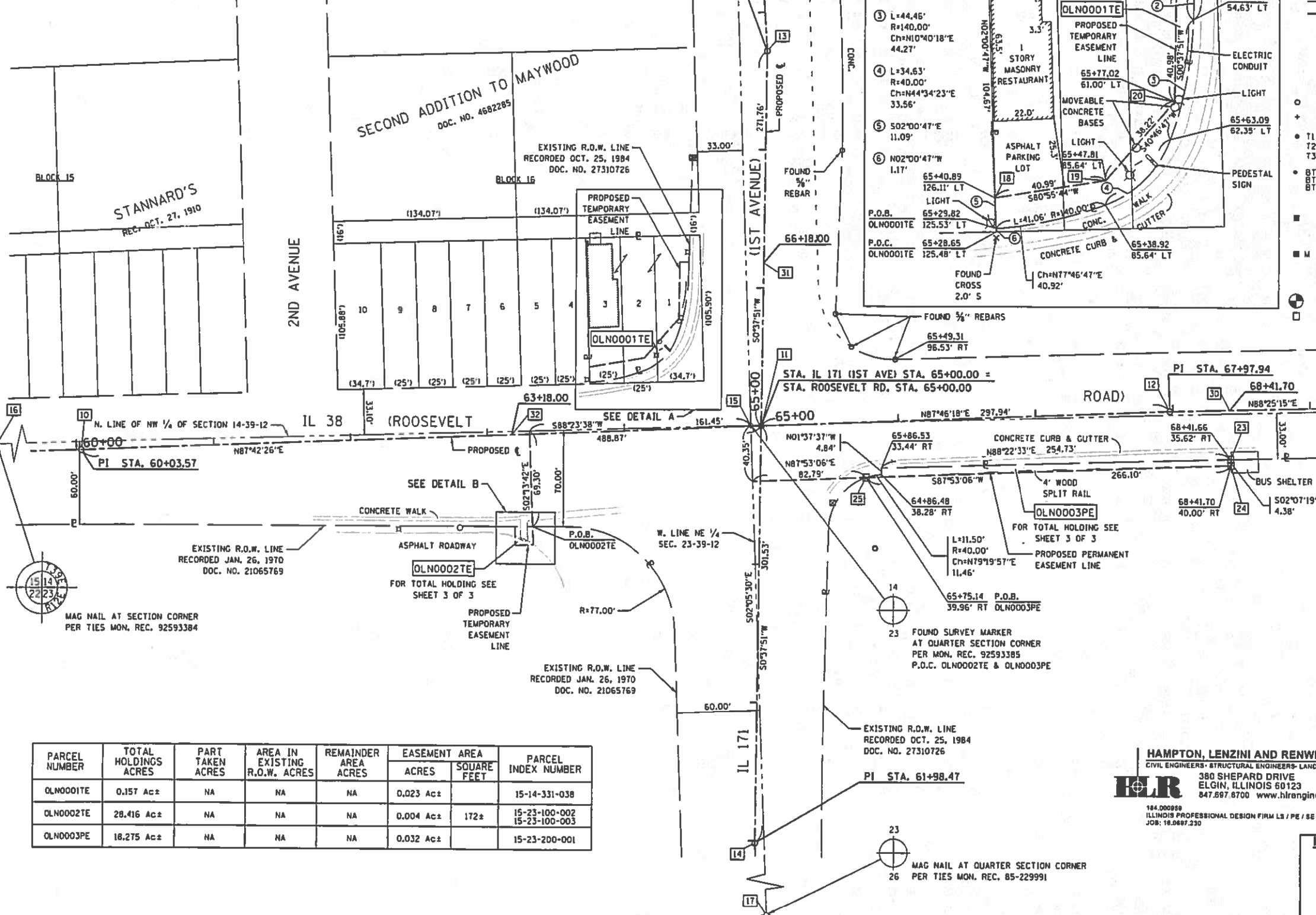
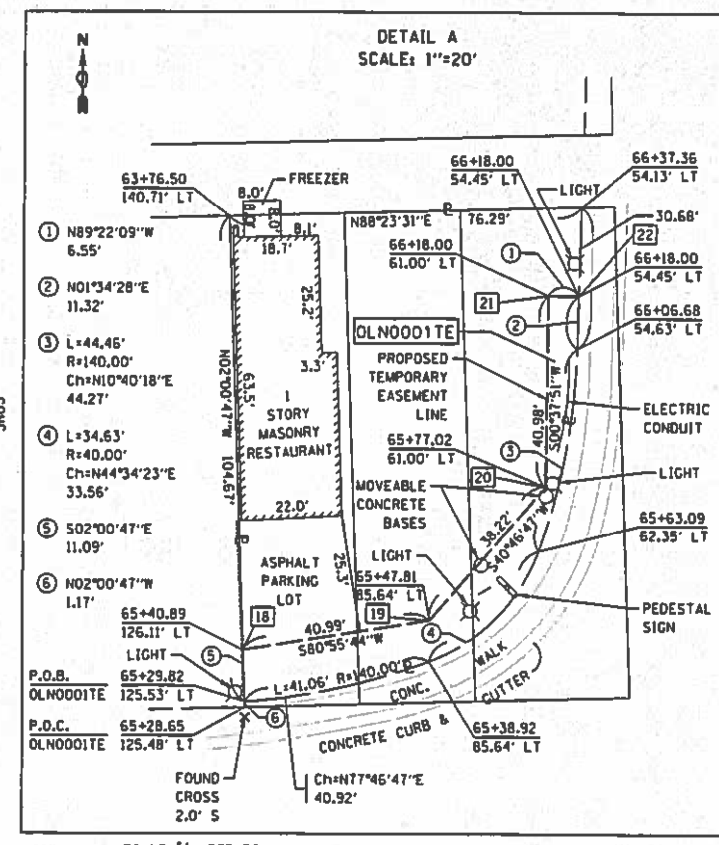
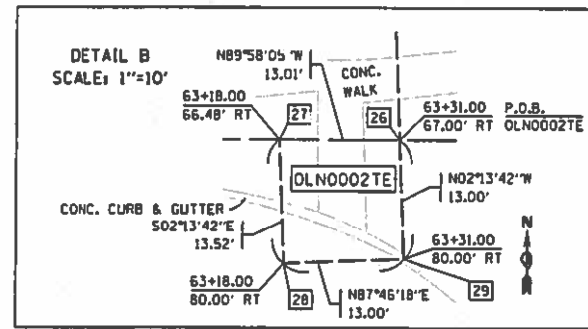
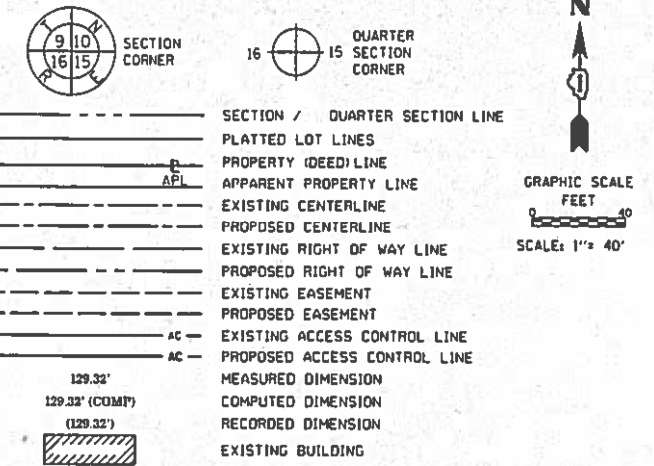
CONTRACT NO. 62A38	
ILLINOIS FED. AID PROJECT	



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	PLOT SCALE = 100.0000' / 1" /	CHECKED -	REVISED -		SCALE:	SHEET	OF SHEETS	STA. TO STA.	CONTRACT NO. 62A38		ILLINOIS FED. AID PROJECT	
Default	PLOT DATE = 8/31/2017	DATE -	REVISED -									

PART OF THE N 1/2 OF SECTION 23 AND PART OF THE SW 1/4 OF SECTION 14, TWP. 39 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

LEGEND



- IRON PIPE OR ROD FOUND
- ⊗ 'MAG' NAIL SET
- + CUT CROSS FOUND OR SET
- 5 / 8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2 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.
- T3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION 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 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) 155
 COUNTY OF KANE)

THIS IS TO CERTIFY THAT I, JOHN H. SWEET, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 14 & 23, TOWNSHIP 39 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. _____
 LICENSE EXPIRATION DATE: _____ 3158

- NOTES:
1. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THAT PORTION SHOWN AS PROPOSED RIGHT-OF-WAY.
 2. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED. ALL BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
 3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.999971610.

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	
OLN0001TE	0.157 Ac±	NA	NA	NA	0.023 Ac±		15-14-331-038
OLN0002TE	28.416 Ac±	NA	NA	NA	0.004 Ac±	172±	15-23-100-002 15-23-100-003
OLN0003PE	18.275 Ac±	NA	NA	NA	0.032 Ac±		15-23-200-001

HAMPTON, LENZINI AND RENWICK, INC.
 CIVIL ENGINEERS- STRUCTURAL ENGINEERS- LAND SURVEYORS
HLR
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 847.897.8700 www.hlrengineering.com
184.000898 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION JOB: 18.0897.330

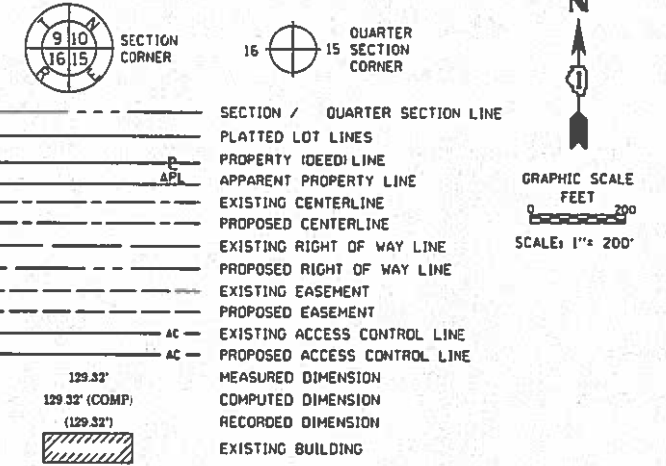
DO NOT USE ONLY
 RECEIVED
 APR 2 2018
 PLATS & LEGALS

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 IL 171 (1ST AVE.)

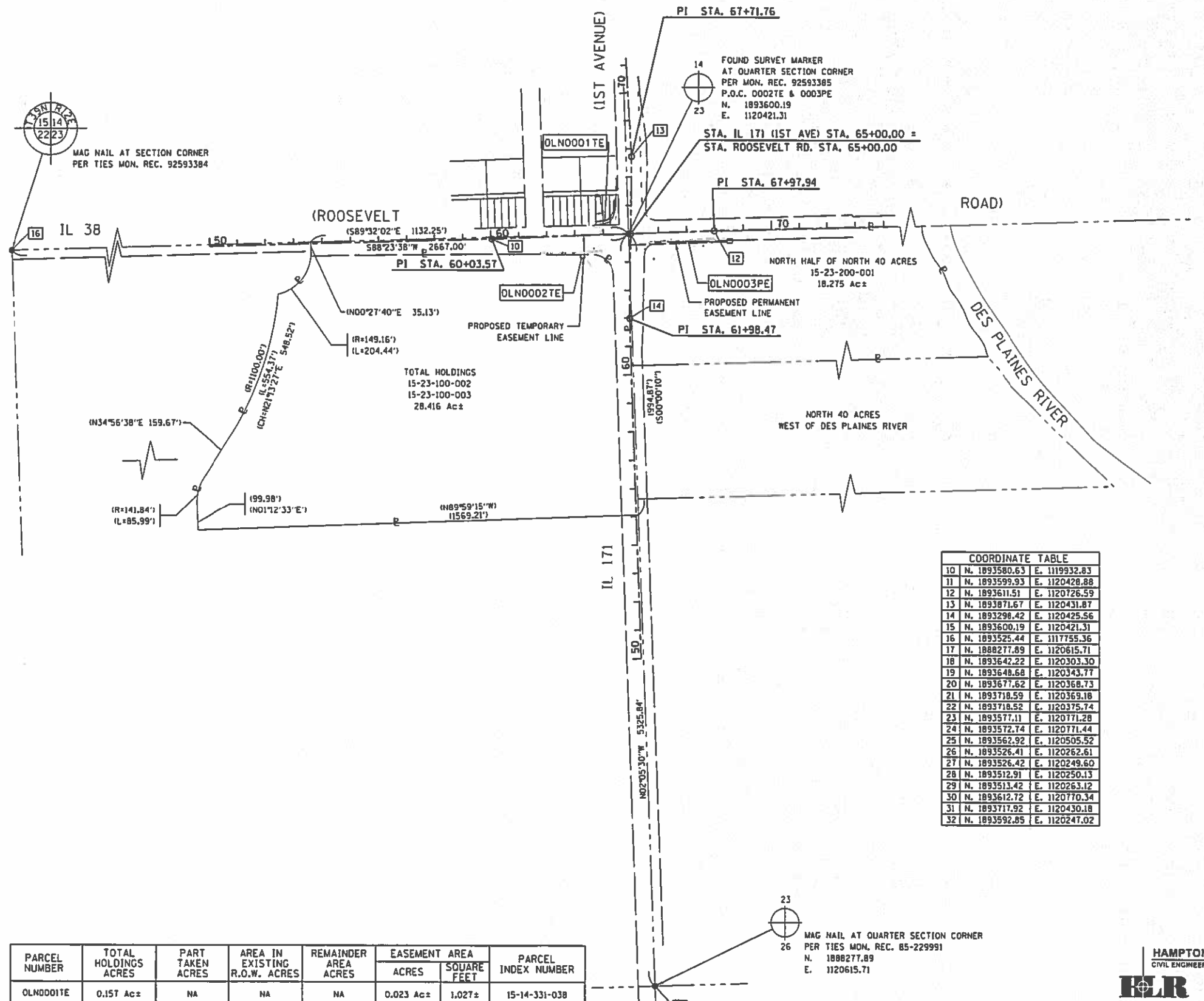
LIMITS: AT IL 38 (ROOSEVELT RD) COUNTY: COOK
 SECTION: _____ JOB NO.: R-90-003-15
 STA. 63+18 TO STA. 68+41.70
 SCALE: 1"=40' SHEET 2 OF 3 SHEETS

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

LEGEND



MAG NAIL AT SECTION CORNER PER TIES MON. REC. 92593384



- 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 COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 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.
- BT2
- BT3
- S 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 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) SS
 COUNTY OF KANE)

THIS IS TO CERTIFY THAT I, JOHN H. SWEET, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 14 & 23, TOWNSHIP 39 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. _____
 LICENSE EXPIRATION DATE: _____ 3158
 NOV. 30, 2018

- NOTES:
1. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THAT PORTION SHOWN AS PROPOSED RIGHT-OF-WAY.
 2. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED. ALL BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
 3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.999971610.

COORDINATE TABLE		
10	N. 1893580.63	E. 1119932.83
11	N. 1893599.93	E. 1120428.88
12	N. 1893611.51	E. 1120726.59
13	N. 1893871.67	E. 1120431.87
14	N. 1893298.42	E. 1120425.56
15	N. 1893600.19	E. 1120421.31
16	N. 1893525.44	E. 1117755.36
17	N. 1888277.89	E. 1120615.71
18	N. 1893642.22	E. 1120303.30
19	N. 1893648.68	E. 1120343.77
20	N. 1893677.62	E. 1120368.73
21	N. 1893718.59	E. 1120369.18
22	N. 1893718.52	E. 1120375.74
23	N. 1893577.11	E. 1120171.28
24	N. 1893572.74	E. 1120171.44
25	N. 1893562.92	E. 1120505.52
26	N. 1893526.41	E. 1120262.61
27	N. 1893526.42	E. 1120249.60
28	N. 1893512.91	E. 1120250.13
29	N. 1893513.42	E. 1120263.12
30	N. 1893612.72	E. 1120770.34
31	N. 1893717.92	E. 1120430.18
32	N. 1893592.85	E. 1120247.02

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	
OLNO001TE	0.157 Ac±	NA	NA	NA	0.023 Ac±	1,027±	15-14-331-038
OLNO002TE	28.416 Ac±	NA	NA	NA	0.004 Ac±	172±	15-23-100-002 15-23-100-003
OLNO003PE	18.275 Ac±	NA	NA	NA	0.032 Ac±	1,404±	15-23-200-001

MAG NAIL AT QUARTER SECTION CORNER PER TIES MON. REC. 85-229991
 N. 1888277.89
 E. 1120615.71

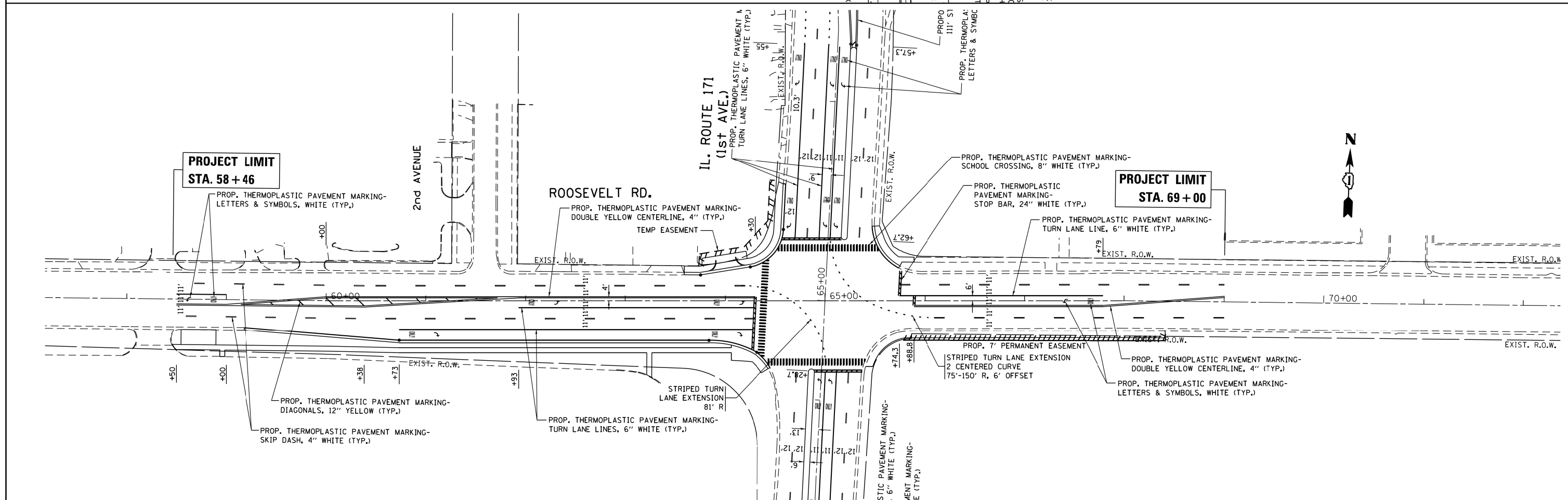
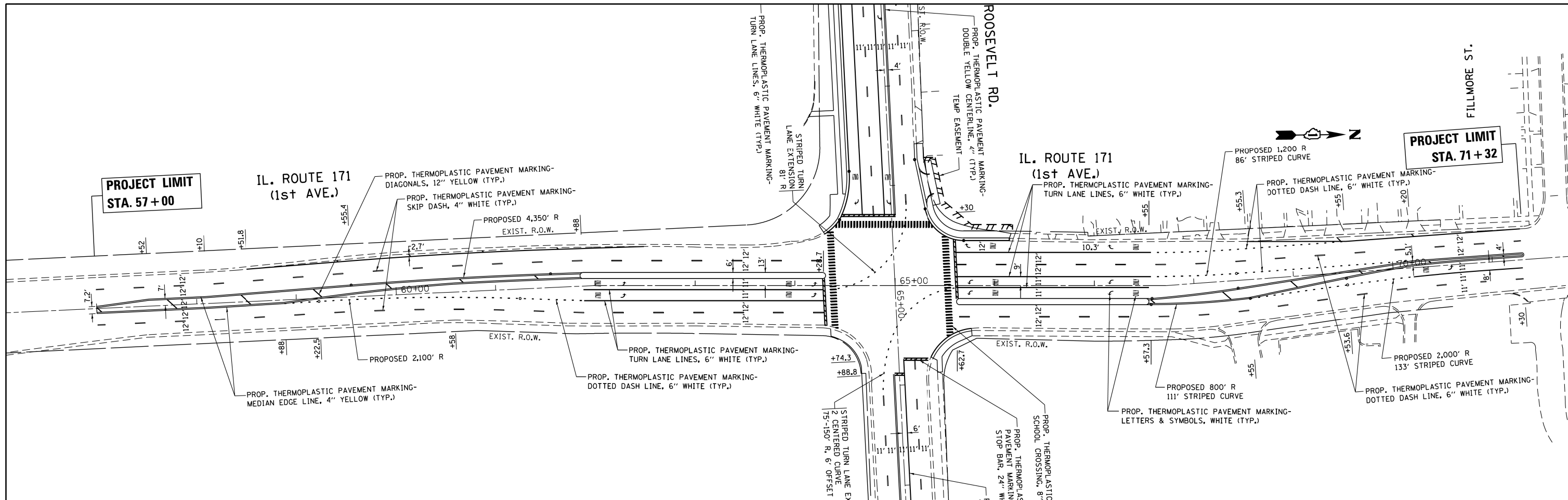
HAMPTON, LENZINI AND RENWICK, INC.
 CIVIL ENGINEERS • STRUCTURAL ENGINEERS • LAND SURVEYORS
HLR
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 847.697.8700 www.hlrengineering.com
184-00089 ILLINOIS PROFESSIONAL DESIGN FIRM LB / PE / SE CORPORATION JOB: 16.0897.230

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL 171 (1ST AVE.)

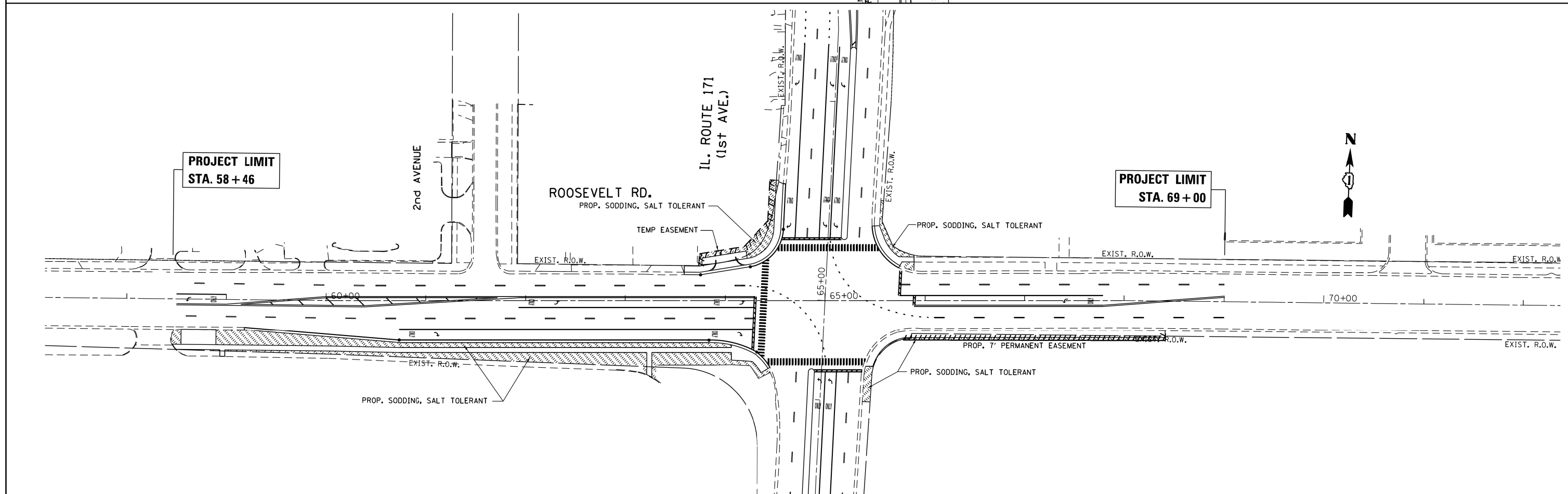
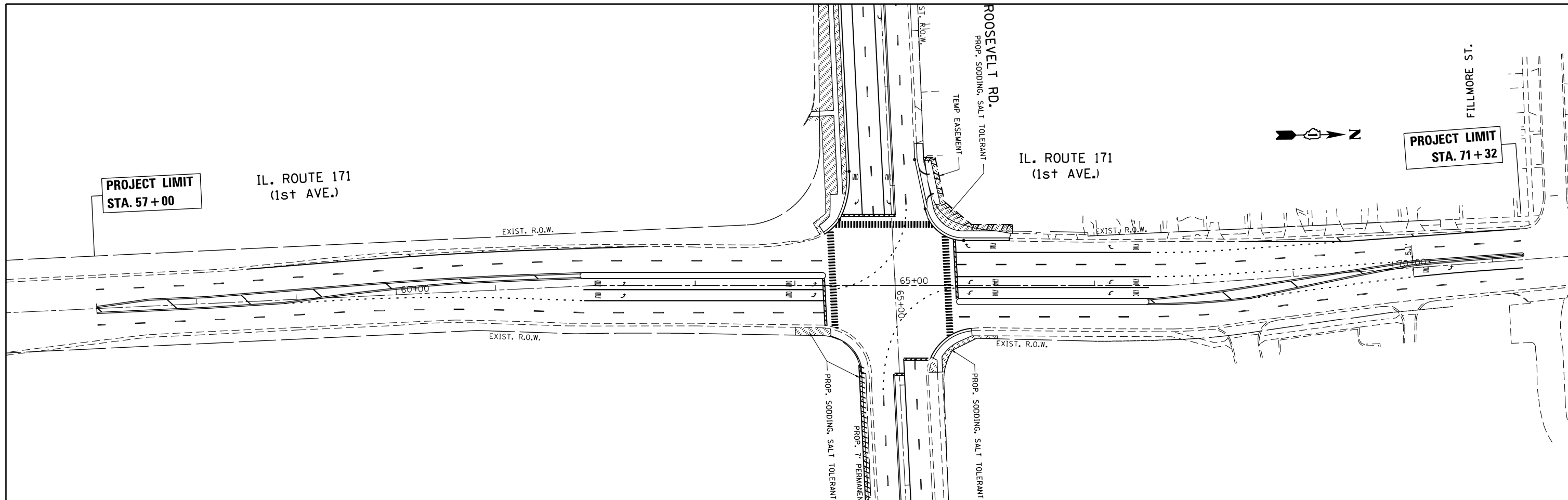
LIMITS: AT IL 38 (ROOSEVELT RD) COUNTY: COOK
 SECTION: _____ JOB NO.: R-90-003-15
 STA. 50+00 TO STA. 74+00
 SCALE: 1"=200' SHEET 3 OF 3 SHEETS

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

IDOT USE ONLY
 SS
RECEIVED
 APR 26 2018
 PLATS & LEGALS



FILE NAME =	USER NAME = STEEDPA	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LANDSCAPING PLAN IL. ROUTE 171 AT ROOSEVELT ROAD			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
Default		PLotted SCALE = 100.0000' / 1in.	REVISIO -		SCALE: 1"=50'	SHEET	OF	SHEETS	STA.	TO STA.	372	3091-TS-&N-1	COOK	103	49
		PLotted DATE = 9/18/2017	REVISIO -												
			REVISIO -												
											CONTRACT NO. 62A38			ILLINOIS FED. AID PROJECT	



FILE NAME =	USER NAME = STEEDPA	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LANDSCAPING PLAN IL. ROUTE 171 AT ROOSEVELT ROAD				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
Default		CHECKED -	REVISED -		SCALE: 1"=50'	SHEET	OF	SHEETS	STA.	TO	STA.	372	3091-TS-&N-1	COOK	101	50
		DATE -	REVISED -						CONTRACT NO. 62A38							
									ILLINOIS FED. AID PROJECT							

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 CONTRACTOR TO THE STATE'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 1 EACH MASTER CONTROLLER
- 1 EACH UPS

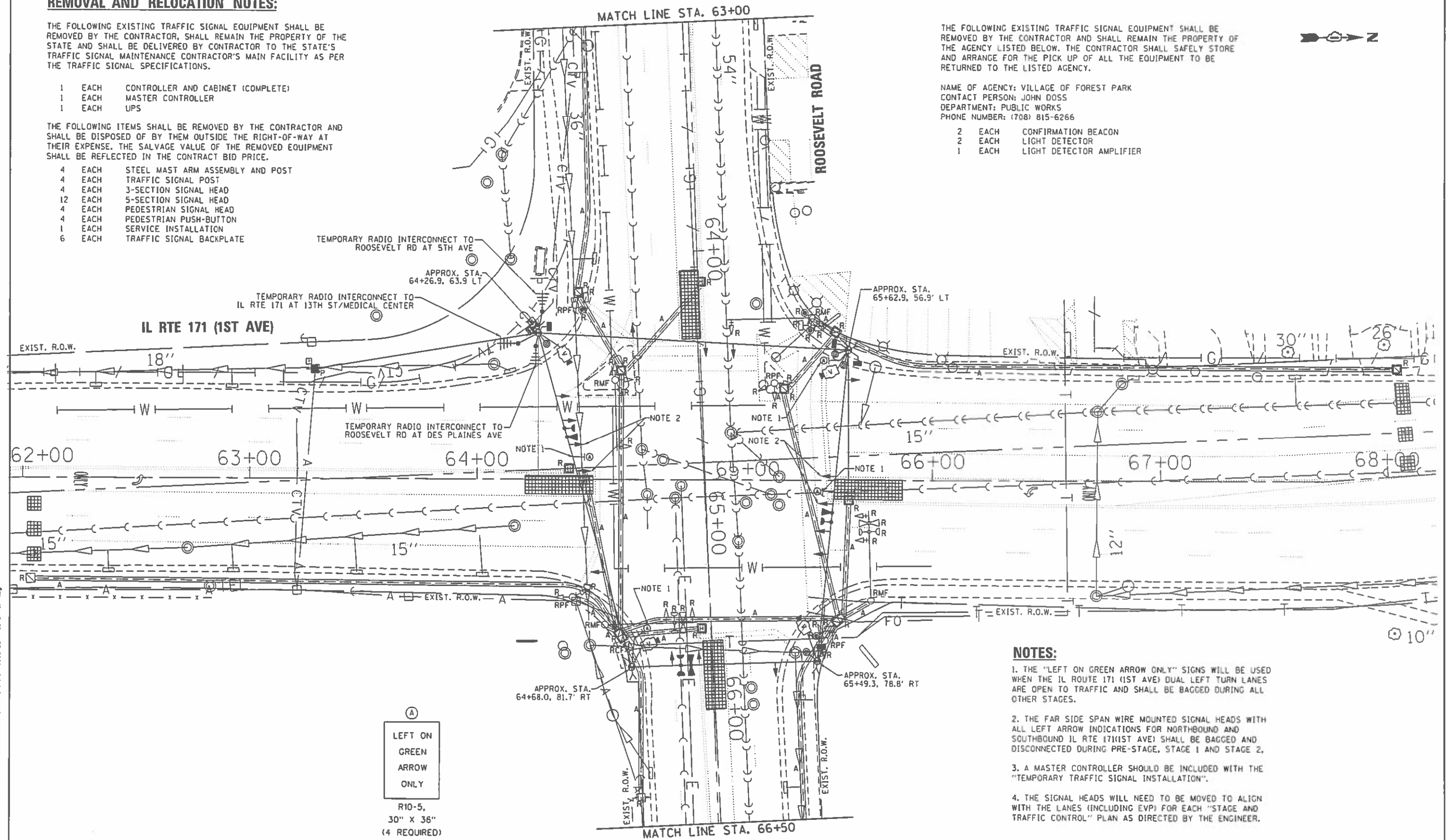
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

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

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE PICK UP OF ALL THE EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY.

NAME OF AGENCY: VILLAGE OF FOREST PARK
 CONTACT PERSON: JOHN DOSS
 DEPARTMENT: PUBLIC WORKS
 PHONE NUMBER: (708) 815-6266

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER



(A)
 LEFT ON GREEN ARROW ONLY
 R10-5,
 30" X 36"
 (4 REQUIRED)

NOTES:

1. THE "LEFT ON GREEN ARROW ONLY" SIGNS WILL BE USED WHEN THE IL ROUTE 171 (1ST AVE) DUAL LEFT TURN LANES ARE OPEN TO TRAFFIC AND SHALL BE BAGGED DURING ALL OTHER STAGES.
2. THE FAR SIDE SPAN WIRE MOUNTED SIGNAL HEADS WITH ALL LEFT ARROW INDICATIONS FOR NORTHBOUND AND SOUTHBOUND IL RTE 171(1ST AVE) SHALL BE BAGGED AND DISCONNECTED DURING PRE-STAGE, STAGE 1 AND STAGE 2.
3. A MASTER CONTROLLER SHOULD BE INCLUDED WITH THE "TEMPORARY TRAFFIC SIGNAL INSTALLATION".
4. THE SIGNAL HEADS WILL NEED TO BE MOVED TO ALIGN WITH THE LANES (INCLUDING EVP) FOR EACH "STAGE AND TRAFFIC CONTROL" PLAN AS DIRECTED BY THE ENGINEER.

FILE NAME: E:\PROJECTS\Projects 2017\2018\IL-171-et-Roosevelt-Rd\000-Sheet18.dwg
 PROJECT: 2017-2018 IL-171 @ ROOSEVELT RD, TEMP. INT.

GA GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND ARCHITECTS
 1000 N. WILSON AVENUE
 CHICAGO, ILLINOIS 60642 TEL: 312.771.7171 FAX: 312.771.7172

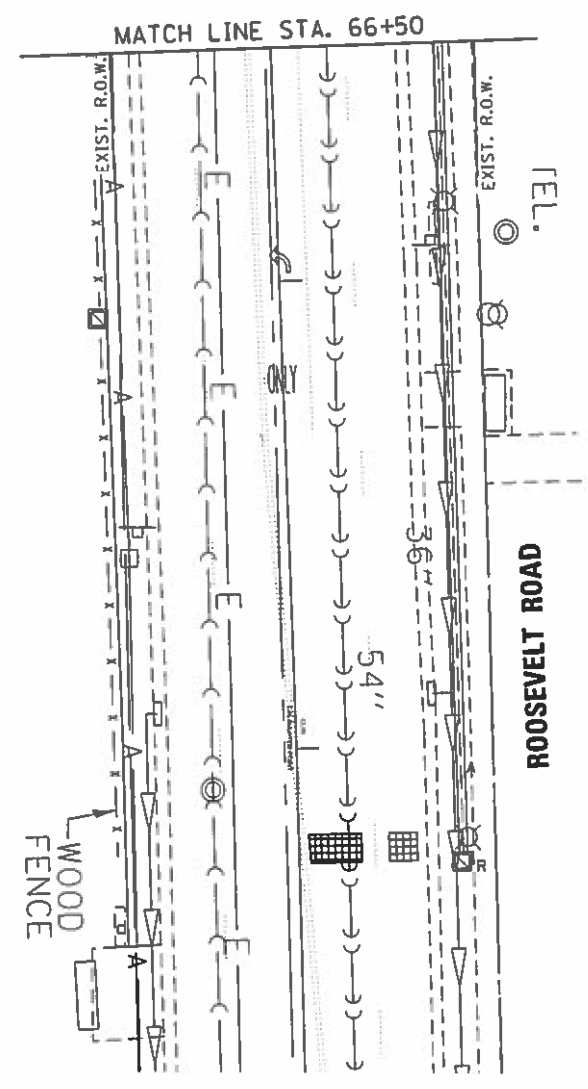
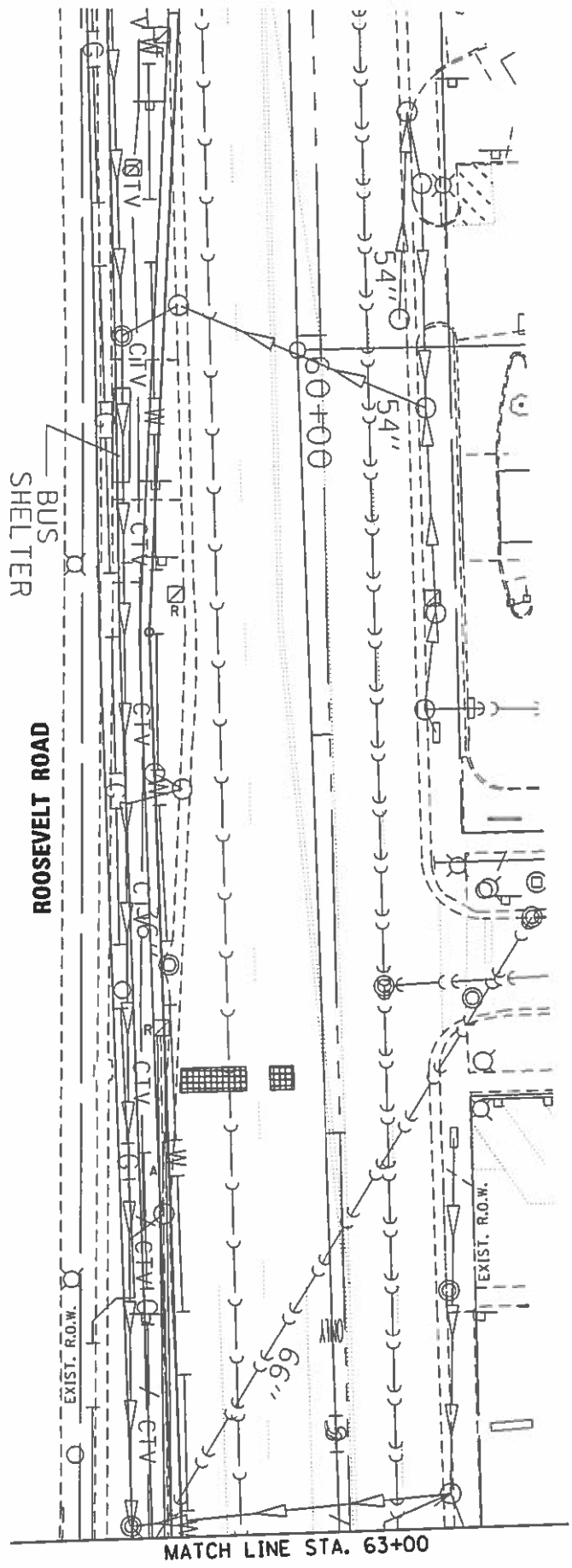
USER NAME = BUSER8	DESIGNED - PKG	REVISED -
PLLOT SCALE = 48.0000 / 171	DRAWN - EA, AV	REVISED -
PLLOT DATE = 2/26/2018	CHECKED - PKG	REVISED -
	DATE - 1/24/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

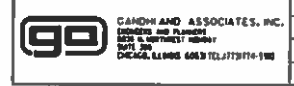
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
IL RTE 171 (1ST AVE) AT ROOSEVELT ROAD (SHEET 1 OF 2)
 SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 372	SECTION 3091-TS-8N-1	COUNTY COOK	TOTAL SHEETS 103	SHEET NO. 51
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62A38	

TS 3650
ECON 27



FILE NAME: K:\PROJECTS\Projects_2017\62A3B_IL_171_e1.Roosevelt.Lid\600_Sheet2\1B_IL RTE 171 @ ROOSEVELT RD_TEMP_1H12.dgn



USER NAME = BUSERB	DESIGNED - PKG	REVISED -
PLOT SCALE = 48.0000' / 1"	DRAWN - EA. AV	REVISED -
PLOT DATE = 2/28/2018	CHECKED - PKG	REVISED -
	DATE - 1/24/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

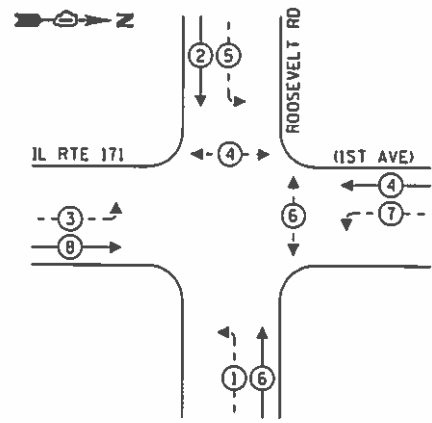
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
IL RTE 171 (1ST AVE) AT ROOSEVELT ROAD (SHEET 2 OF 2)

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS-AN-1	COOK	103	52
CONTRACT NO. 62A3B				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

TS 3650
ECON 27

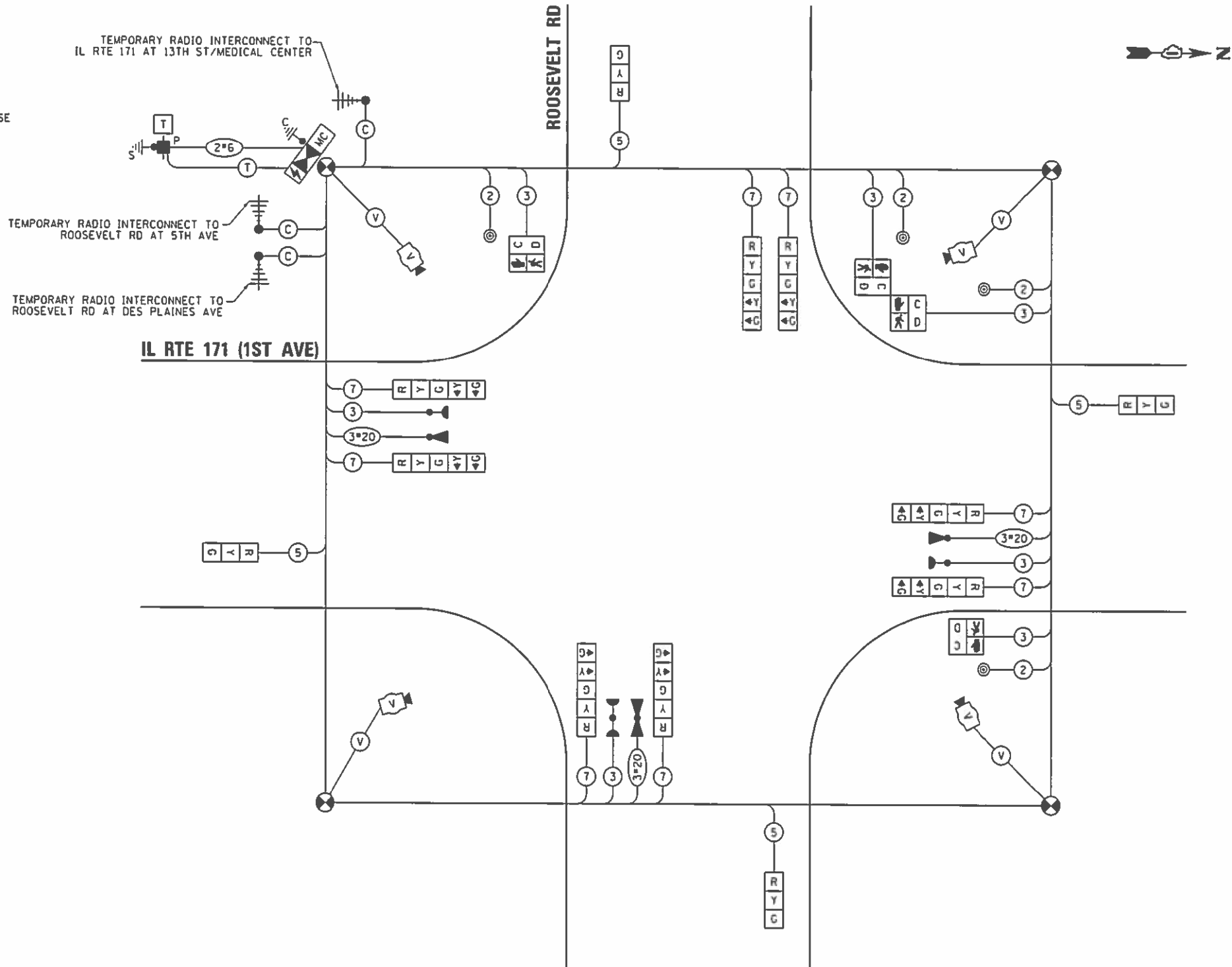
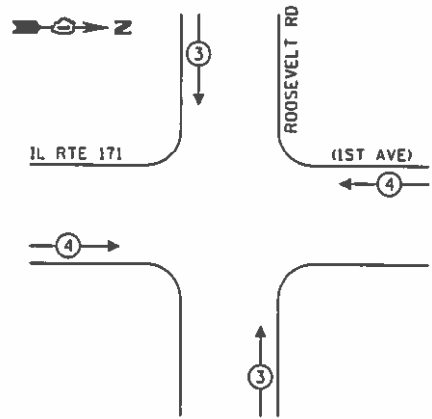
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ← (⊛) → PROTECTED PHASE
- ← (⊛) - - → PROTECTED/PERMITTED PHASE
- ← (⊛) → PEDESTRIAN PHASE
- ← (⊛) → OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



NOTES:

1. THE SIGNAL HEADS WILL NEED TO BE MOVED TO ALIGN WITH THE LANES (INCLUDING EVP) FOR EACH STAGE AS DIRECTED BY THE ENGINEER.

CABLE PLAN

(NOT TO SCALE)

(PRE-STAGE, STAGE 1 AND STAGE 2)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	2	100	100	200.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				613.8

ENERGY COSTS TO:

VILLAGE OF FOREST PARK
7343 W 15TH STREET
FOREST PARK, IL 60130

ENERGY SUPPLY: CONTACT: SABIAN
PHONE: (708) 410-5304
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

	USER NAME: #USERS	DESIGNED: PKG	REVISED: -
	PLLOT SCALE: 1/8" = 10'-0"	DRAWN: EA, AV	REVISED: -
	PLLOT DATE: 2/28/2018	CHECKED: PKG	REVISED: -
		DATE: 1/24/2018	REVISED: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 171 (1ST AVE) AT ROOSEVELT ROAD

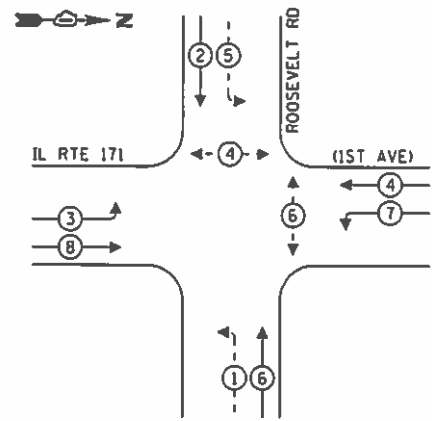
SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 372	SECTION 3091-TS-BN-1	COUNTY COOK	TOTAL SHEETS 103	SHEET NO. 53
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 62A38	

TS 3650
ECON 27

FILE NAME: K:\PROJECTS\Projects\2017\2A38 IL RTE 171 at Roosevelt Rd\Sheet\11 IL RTE 171 @ ROOSEVELT RD.TEMP_CD.dgn

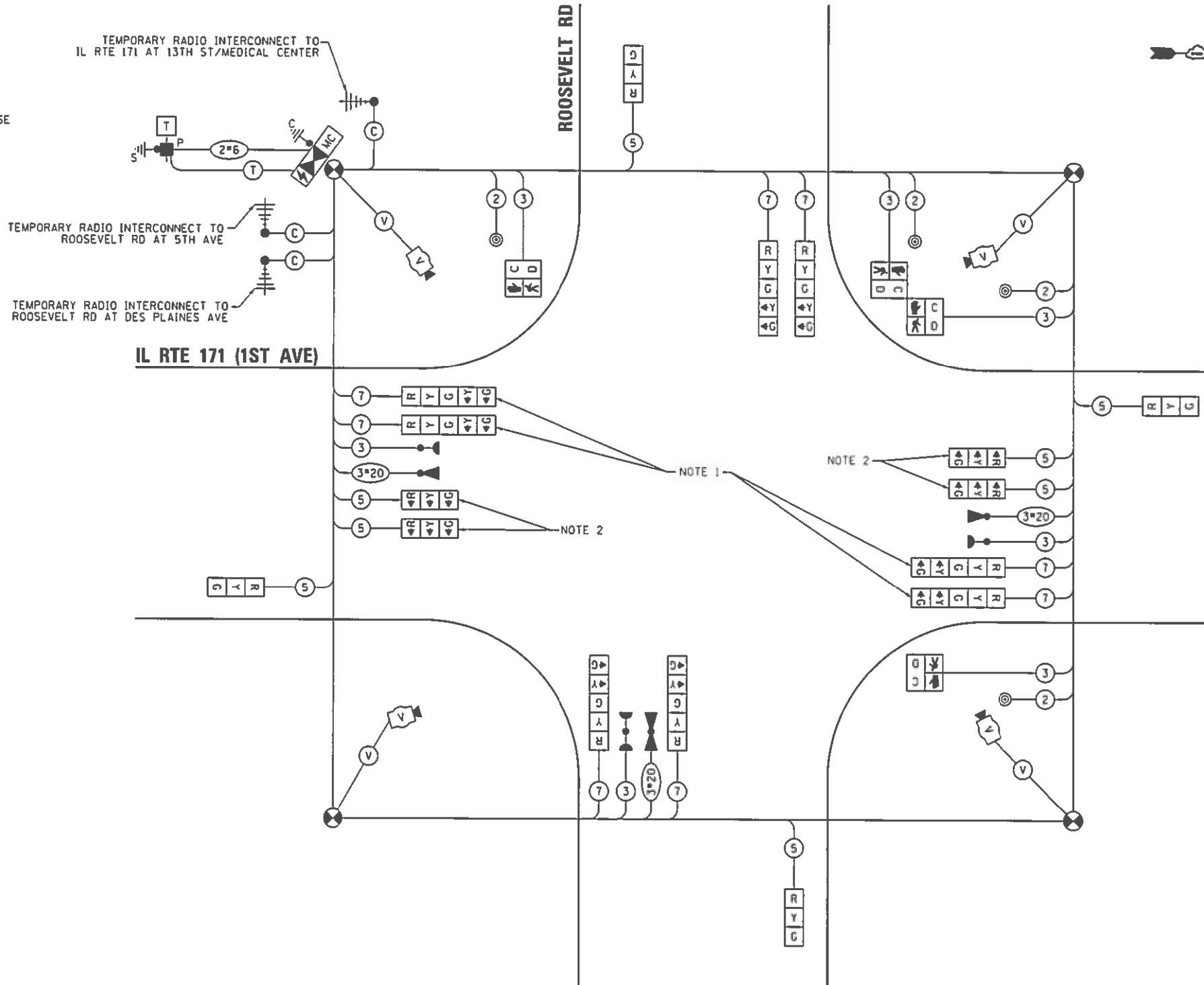
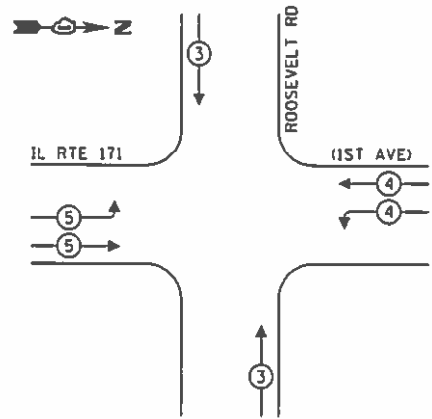
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ← (⊙) → PROTECTED PHASE
- ← (⊙) - PROTECTED/PERMITTED PHASE
- ← (⊙) → PEDESTRIAN PHASE
- ← (⊙) → OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE PLAN
(NOT TO SCALE)

(IL RTE 171 (1ST AVE) DUAL LEFT TURN LANES ARE OPEN TO TRAFFIC)

NOTES:

1. THE GREEN AND YELLOW LEFT ARROW SECTIONS IN THE 5-SECTION SIGNAL HEADS SHALL BE BAGGED DURING THIS STAGE. THE ARROW SECTIONS MUST BE DISCONNECTED.
2. ACTIVATE SIGNAL HEADS IN THIS STAGE.
3. UNCOVER R10-5 SIGNS WHEN THE DUAL LEFT TURN LANES ARE OPEN TO TRAFFIC.

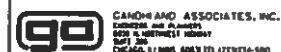
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	2	100	100	200.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				653.4

ENERGY COSTS TO:

VILLAGE OF FOREST PARK
7343 W 15TH STREET
FOREST PARK, IL 60130

ENERGY SUPPLY: CONTACT: SABIAN
PHONE: (708) 410-5304
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



USER NAME: USER09	DESIGNED: PKG	REVISED: -
DESIGNED: PKG	DRAWN: EA, AV	REVISED: -
CHECKED: PKG	DATE: 1/24/2018	REVISED: -
PLT DATE: 2/28/2018		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

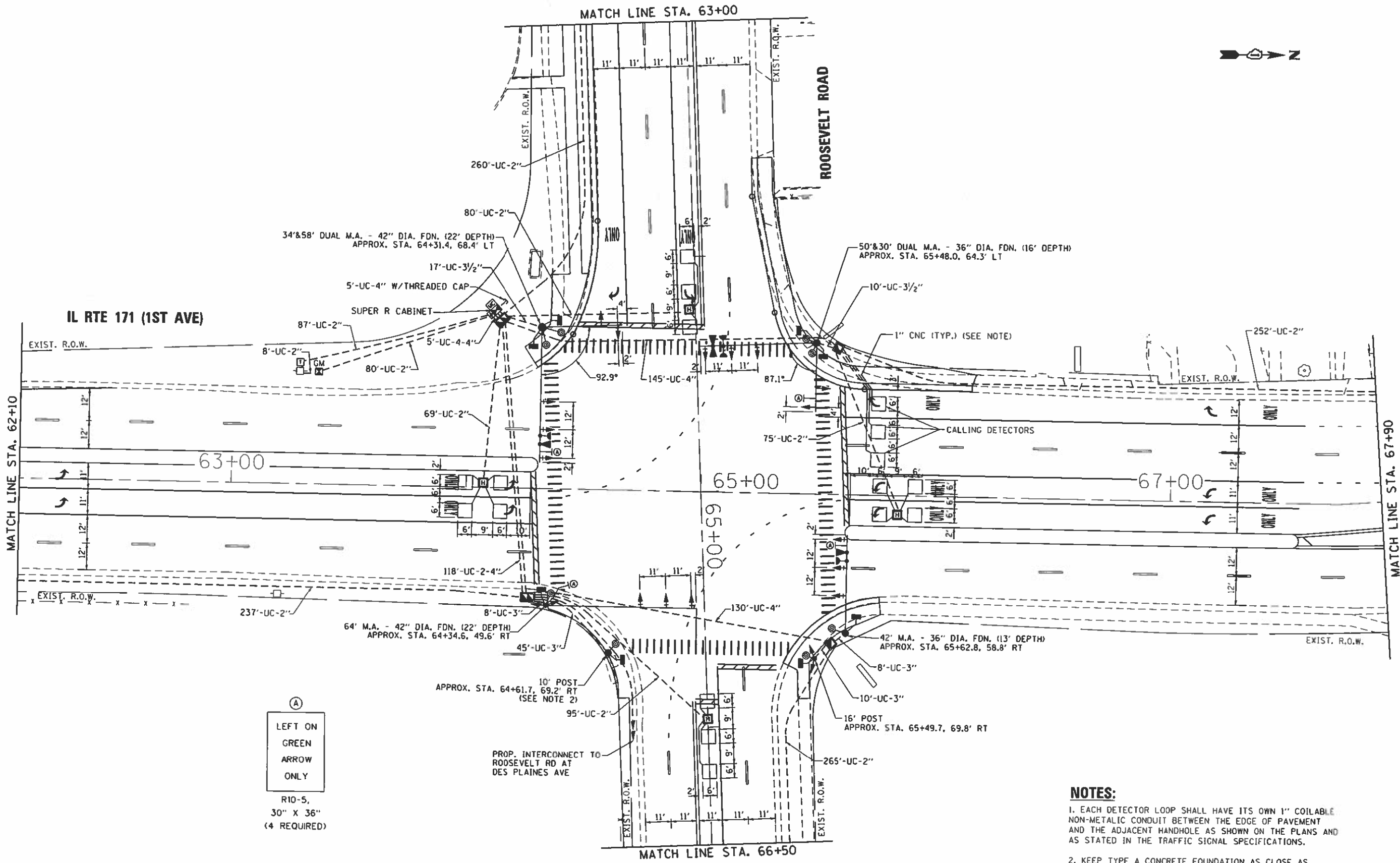
TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 171 (1ST AVE) AT ROOSEVELT ROAD

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

F.A.P. RTE. 372	SECTION 3091-TS-&H-1	COUNTY COOK	TOTAL SHEETS 103	SHEET NO. 54
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 62A38	

TS 3650
ECON 27

FILE NAME: K:\PROJECTS\Projects 2017\62A38 IL RTE 171 at Roosevelt Rd\CD00_Sheets\12_IL RTE 171 @ ROOSEVELT RD_TEMP_CD.dgn



(A)
 LEFT ON
 GREEN
 ARROW
 ONLY
 R10-5,
 30" X 36"
 (4 REQUIRED)

NOTES:
 1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
 2. KEEP TYPE A CONCRETE FOUNDATION AS CLOSE AS POSSIBLE TO RIGHT OF WAY LINE, BACK EDGE OF SIDEWALK.

FILE NAME
 #FILES



USER NAME = *USER*	DESIGNED - PKG	REVISED -
PLOT SCALE = #SCALE*	DRAWN - EA, AV	REVISED -
PLOT DATE = #DATE*	CHECKED - PKG	REVISED -
	DATE - 9/10/2018	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN
 IL RTE 171 (1ST AVE) AT ROOSEVELT ROAD (SHEET 1 OF 2)

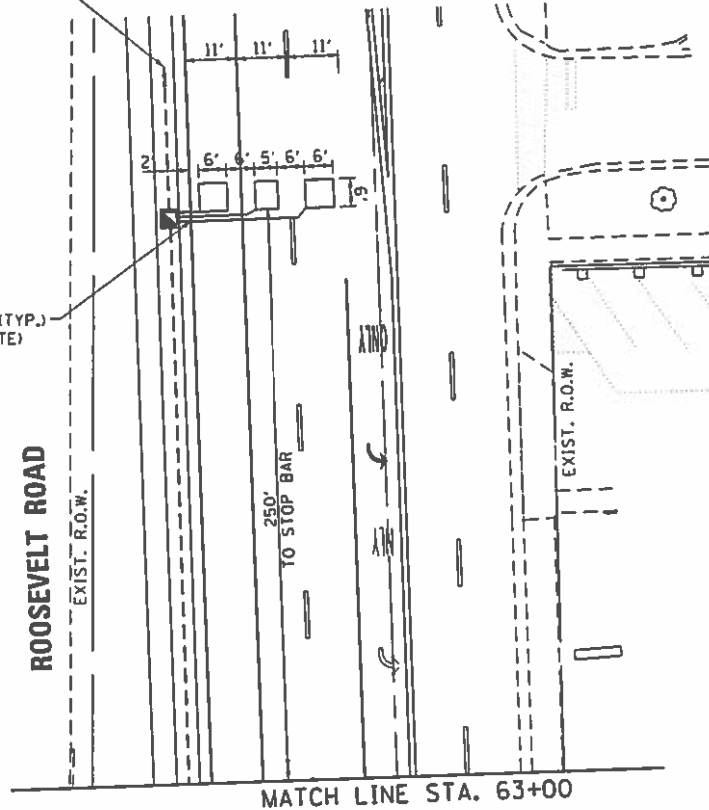
SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	55
CONTRACT NO. 62A38			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT	

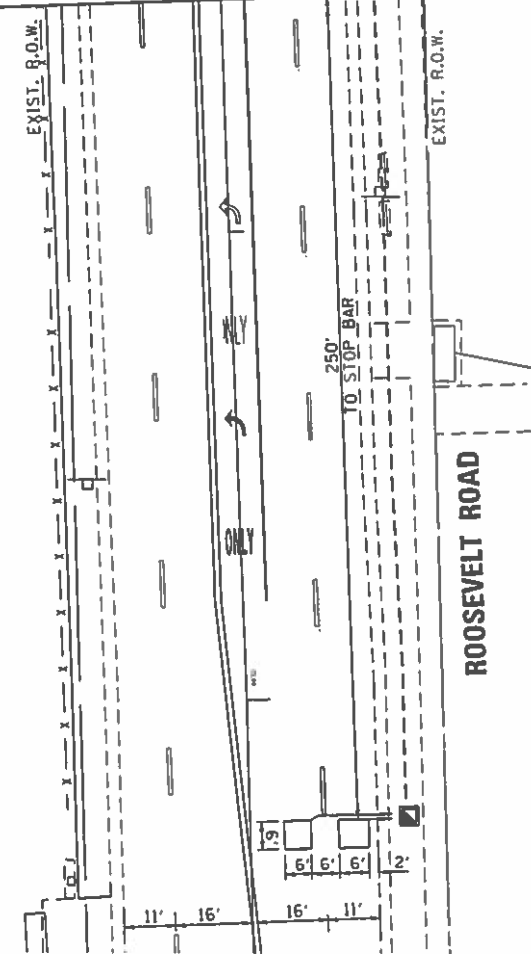
TS 3650
 ECON 27

PROP. INTERCONNECT TO
ROOSEVELT RD AT 5TH AVE

1" CNC (TYP.)
(SEE NOTE)



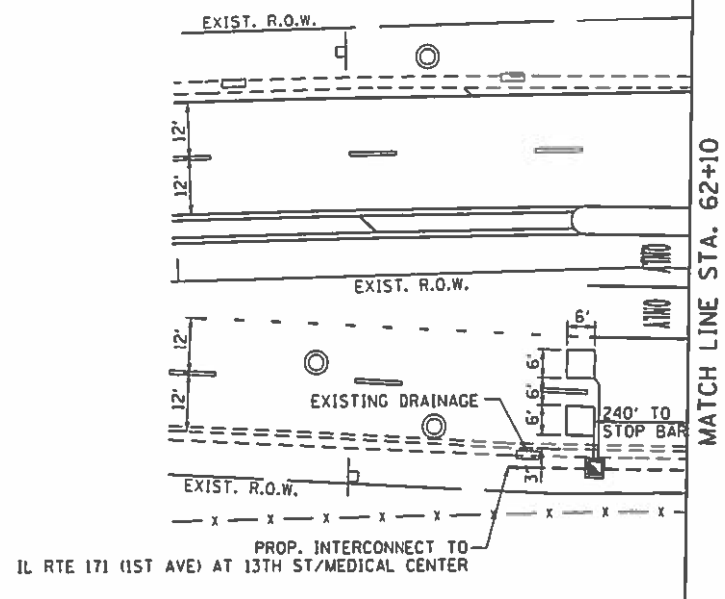
MATCH LINE STA. 66+50



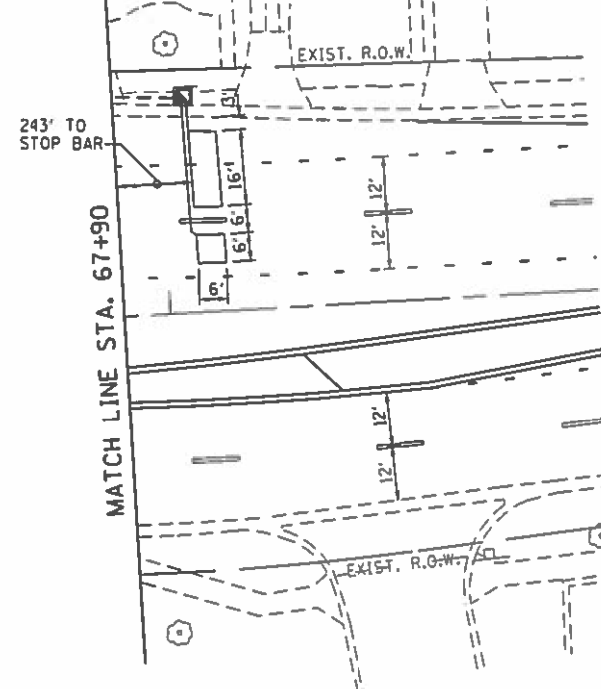
NOTES:

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

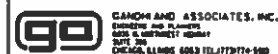
IL RTE 171 (1ST AVE)



IL RTE 171 (1ST AVE)



**TS 3650
ECON 27**



USER NAME	• BUSER
DESIGNED	• PKG
DRAWN	• EA, AV
CHECKED	• PKG
DATE	• 1/24/2018
PLT SCALE	• 1/8" = 1'-0"
PLT DATE	• 2/28/2018

REVISIONS	•
REVISIONS	•
REVISIONS	•
REVISIONS	•

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

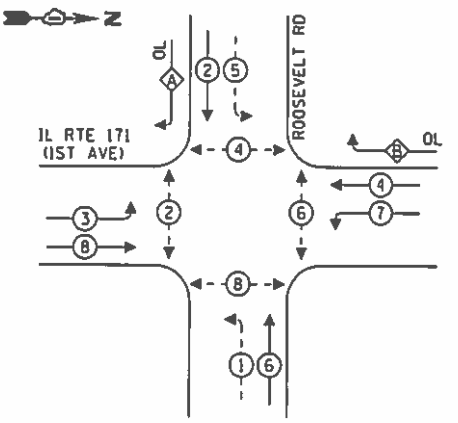
**TRAFFIC SIGNAL INSTALLATION PLAN
IL RTE 171 (1ST AVE) AT ROOSEVELT ROAD (SHEET 2 OF 2)**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS-BN-1	COOK	103	56
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62A38	

FILE NAME: C:\PROJECTS\Project 2017\62A38_IL_171.at\Roosvel-Rd\ICDD_Sheet14_IL RTE 171 @ ROOSEVELT RD.IMT2.dgn

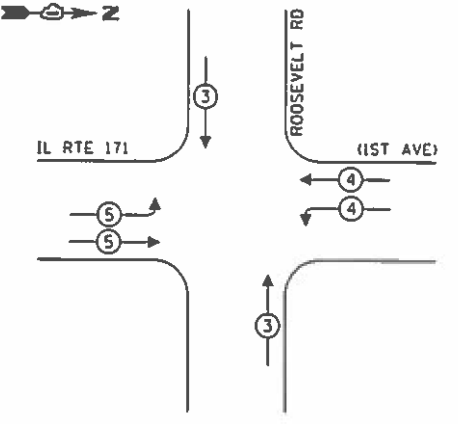
PROPOSED CONTROLLER SEQUENCE



LEGEND:
 ⊙ — PROTECTED PHASE
 ⊙ — PROTECTED/PERMITTED PHASE
 ⊙ — PEDESTRIAN PHASE
 ⊙ — OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:
 OVERLAP LETTER PERMISSIVE PHASE PROTECTED PHASE
 A = 2 + 3
 B = 4 + 5

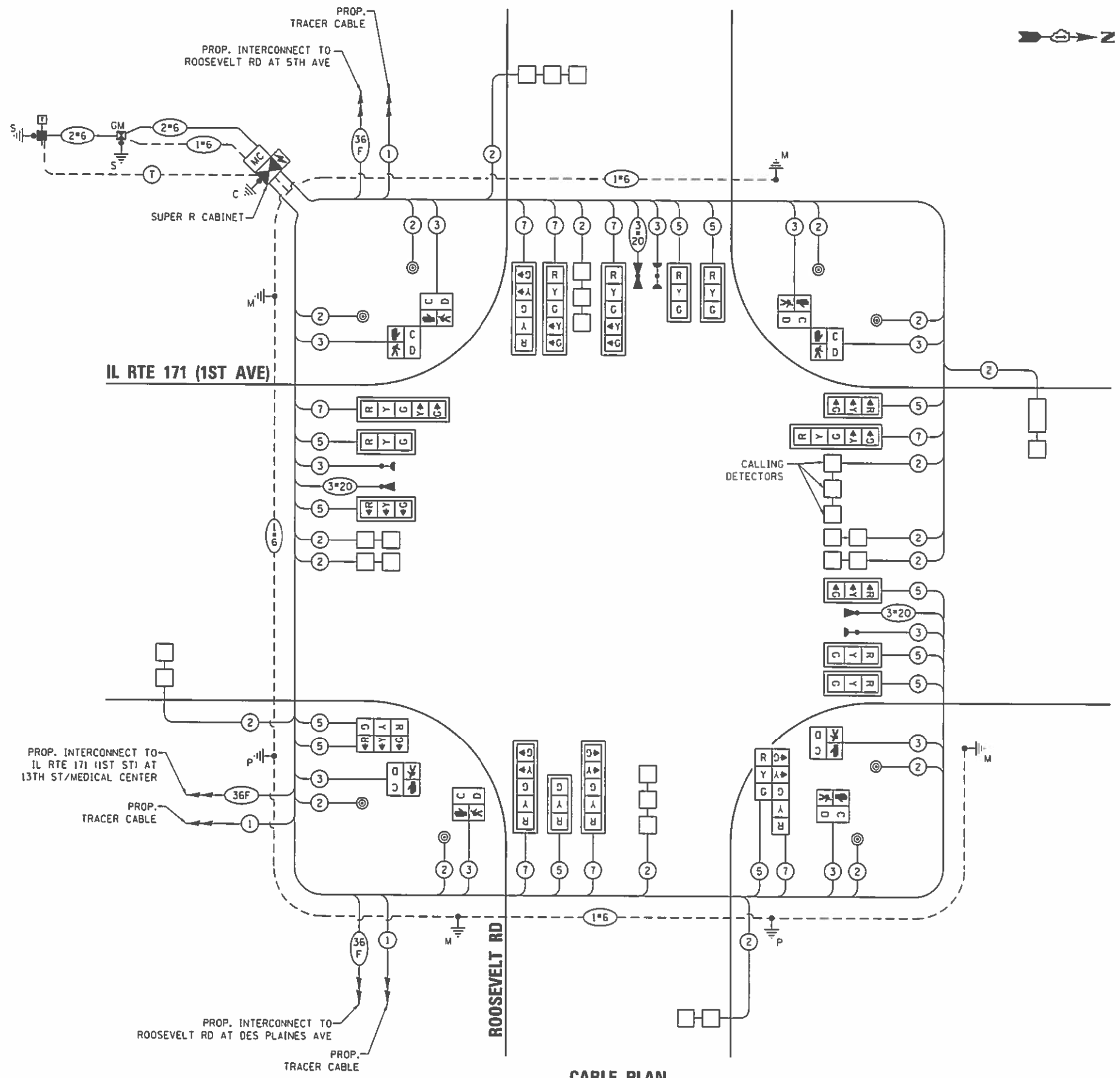
PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	2	100	100	200.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				639.0

ENERGY COSTS TO:
 VILLAGE OF FOREST PARK
 7343 W 15TH STREET
 FOREST PARK, IL 60130
 ENERGY SUPPLY: CONTACT: SABIAN
 PHONE: (708) 410-5304
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

FILE NAME: E:\PROJECTS\Projects\2017\62A38 IL-171 at Roosevelt Rd\Sheets\15-IL RTE 171 @ ROOSEVELT RD.CAD.dgn

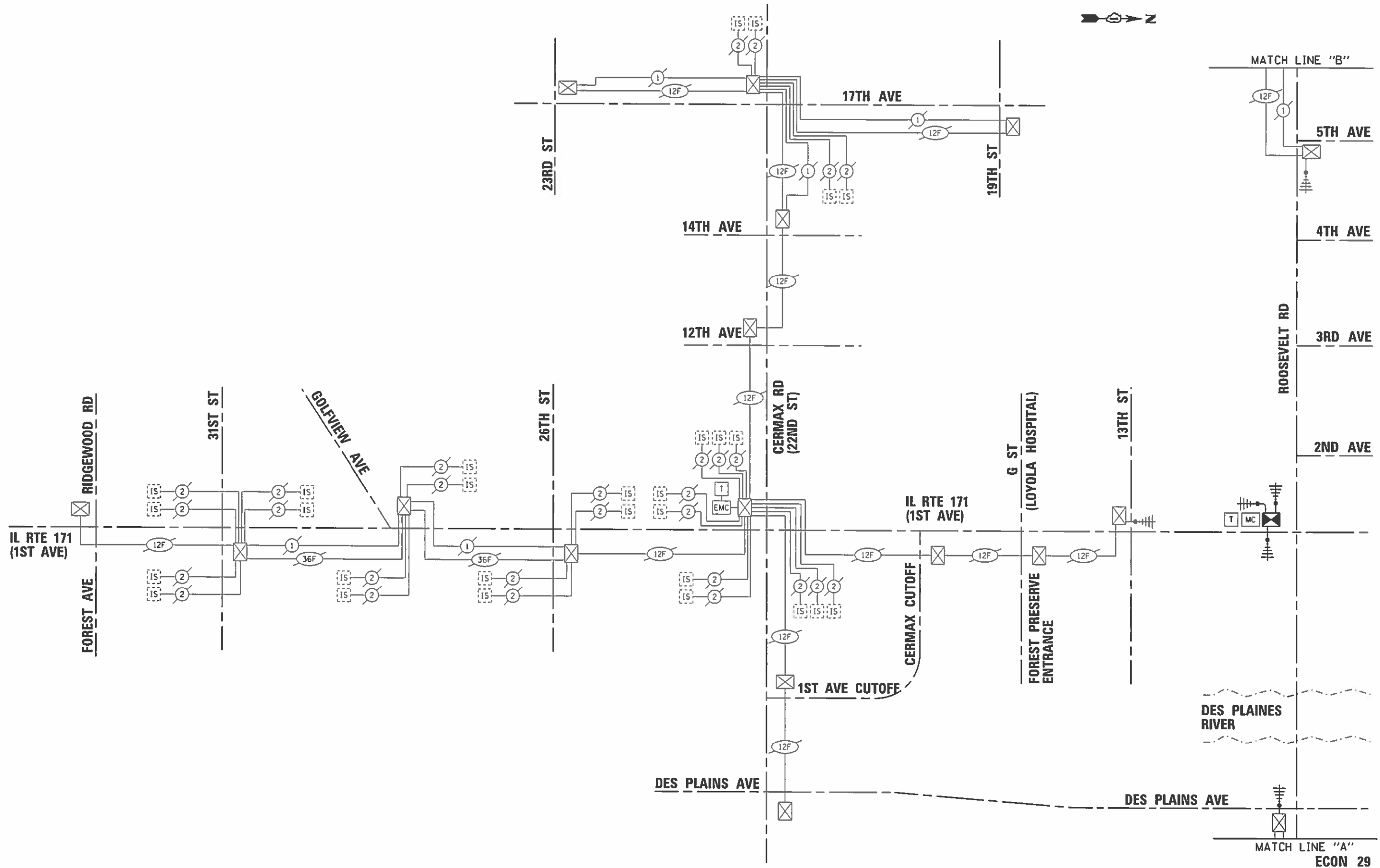
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DRAWN -	EA. AV	REVISED -	
CHECKED -	PKG	REVISED -	
DATE -	1/24/2018	REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM,
 AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 IL RTE 171 (1ST AVE) AT ROOSEVELT RD
 SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS-&N-1	COOK	103	57
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62A38	

TS 3650
 ECON 27



FILE NAME: K:\PROJECTS\Projects 2017\62A38 IL RTE 171 - Roosevelt Rd\CAD\Schematic.dwg
 K:\PROJECTS\Projects 2017\62A38 IL RTE 171 - Roosevelt Rd\CAD\Schematic.dwg

GO GARDNER AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 100 N. LA SALLE ST. SUITE 200
 CHICAGO, ILLINOIS 60610 TEL: (312) 371-1100

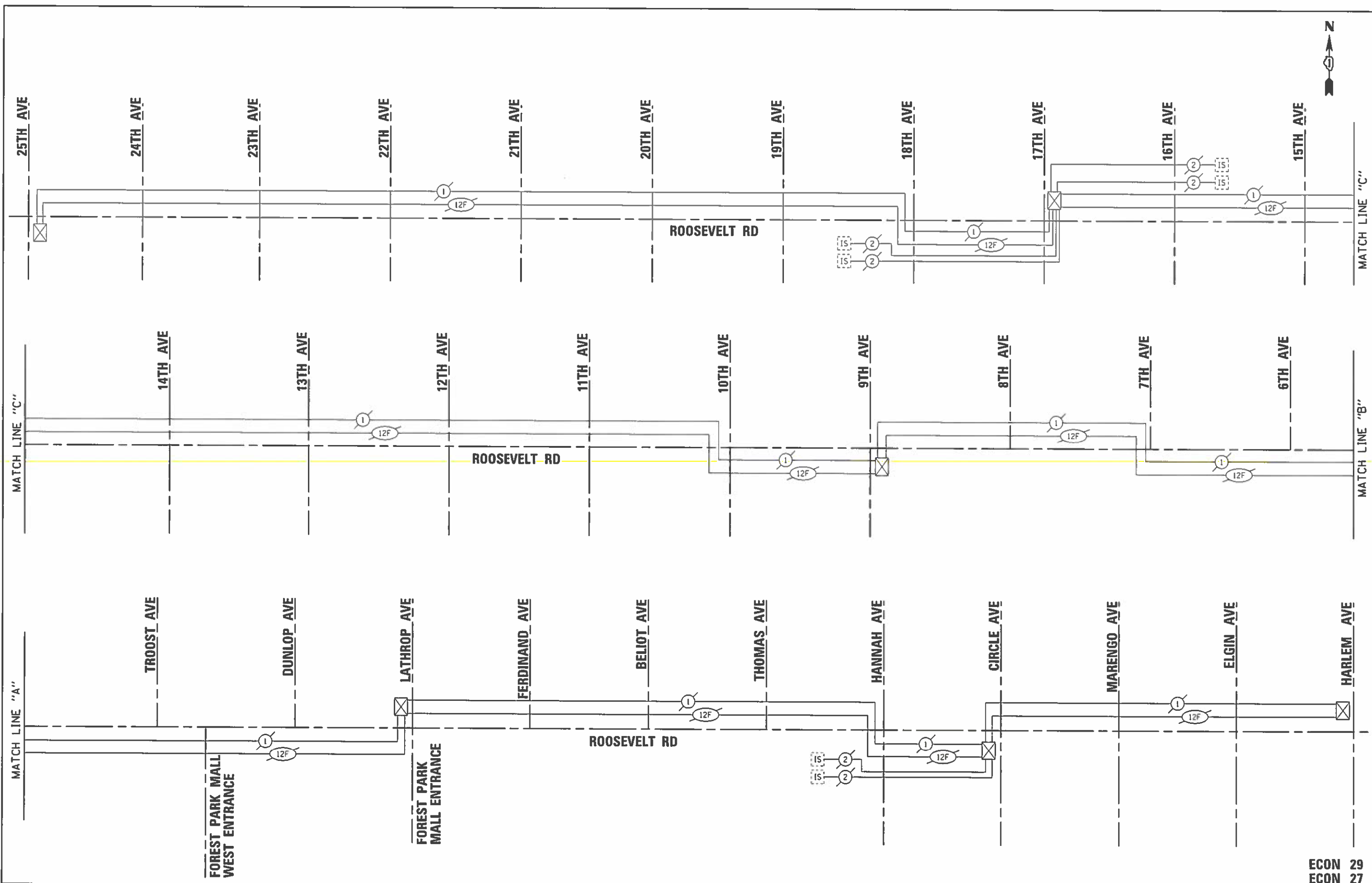
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PLOT DATE = 2/28/2018	CHECKED - PKG	REVISED -
	DATE - 1/24/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT SCHEMATIC
IL RTE 171 (1ST AVE)
FROM RIDGEWOOD RD /FOREST AVE TO ROOSEVELT RD (SHEET 1 OF 2)
 SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS-BN-1	COOK	103	59
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 62A38	

ECON 29
ECON 27

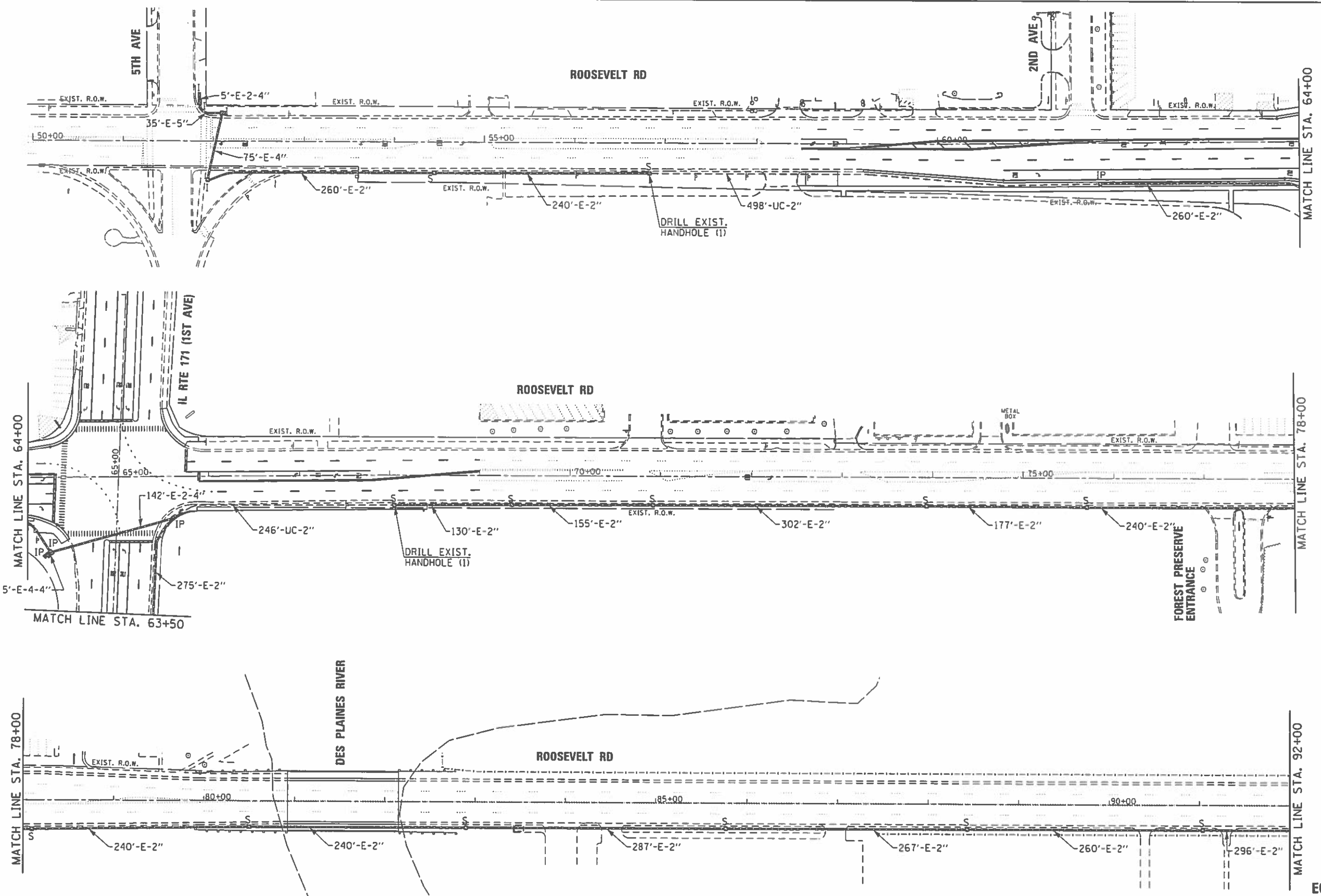


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GANNETT AND ASSOCIATES, INC. 1000 N. MICHIGAN AVE. CHICAGO, ILLINOIS 60610	USER NAME = RUSERB	DESIGNED = PKG	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY INTERCONNECT SCHEMATIC ROOSEVELT RD FROM 25TH AVE TO HARLEM AVE (SHEET 2 OF 2)			F.A.P. RTE. = 372	SECTION = 3091-TS-6N-1	COUNTY = COOK	TOTAL SHEETS = 103	SHEET NO. = 60
	PLOT SCALE = 1/8" = 1'-0"	CHECKED = PKG	REVISED =		SCALE: N.T.S.	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT			
PLOT DATE = 2/28/2018	DATE = 1/24/2018	REVISED =										

ECON 29
 ECON 27

CONTRACT NO. 62A38



FILE NAME = K:\PROJECTS\Projects 2017\62A38 IL 171\at_Roosevelt_Rd\CAD\Sheet19_IL RTE 171 @ ROOSEVELT RD_PROPOSED INTERCONNECT.dwg


GANNETT & ASSOCIATES, INC.
 1000 N. WASHINGTON ST.
 CHICAGO, ILLINOIS 60610
 TEL: 312.771.1100

USER NAME = 01USER0	DESIGNED = PKG	REVISED =
DRAWN = EA, AV	CHECKED = PKG	REVISED =
DATE = 1/24/2018		

DESIGNED = PKG	REVISED =
DRAWN = EA, AV	REVISED =
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DATE = 1/24/2018	REVISED =

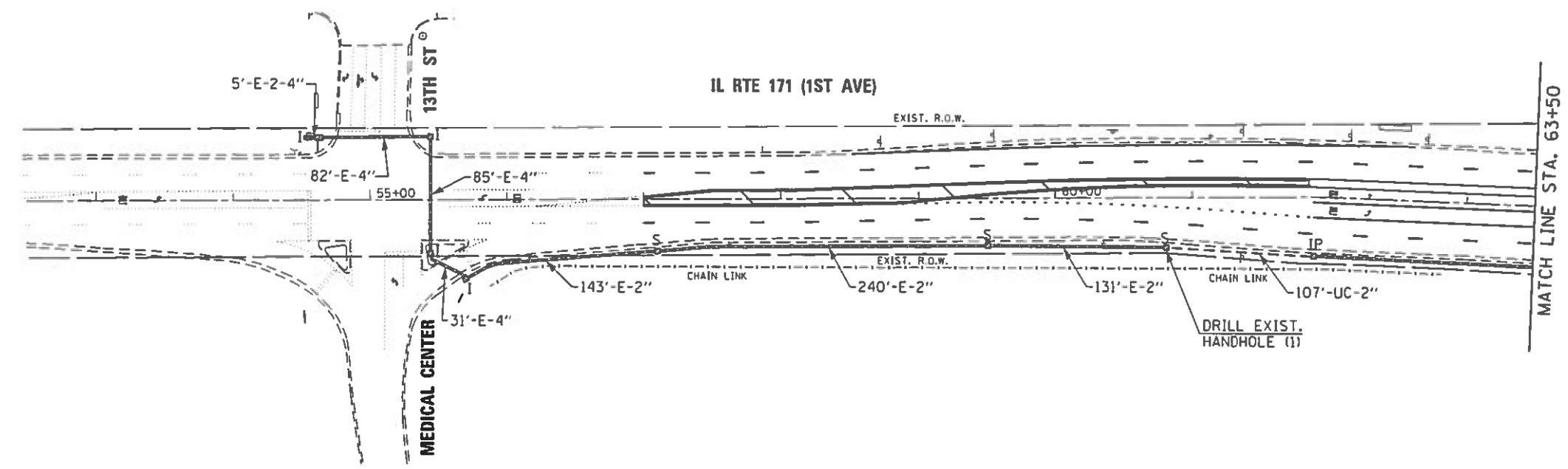
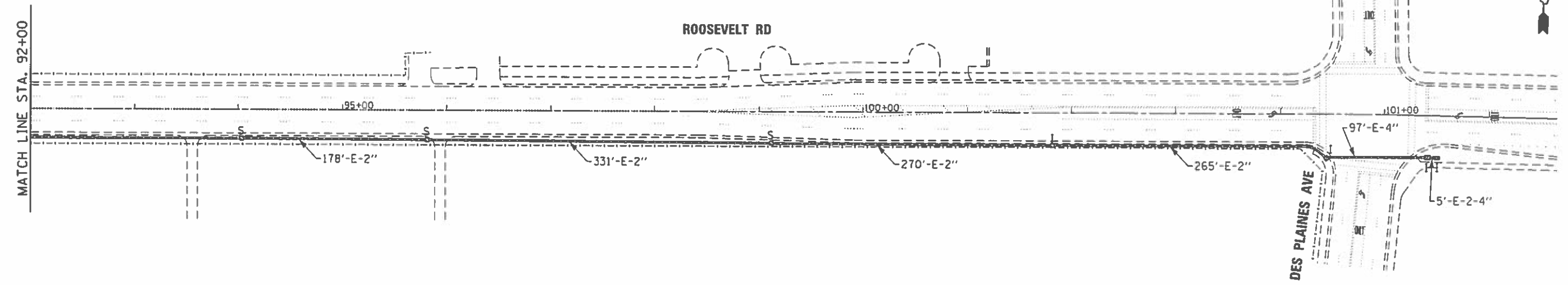
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
ROOSEVELT RD
FROM 5TH AVE TO DES PLAINES AVE (SHEET 1 OF 2)

SCALE: 1"=50' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS-&N-1	COOK	103	61
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62A38	

ECON 29
ECON 27



FILE NAME: \\s:\projects\p\projects_2017\62A38_IL_171_e1.Roosevelt_Rd.Prop_Interconnect_2.dgn

GO GANNON ASSOCIATES, INC.
 CONSULTING ENGINEERS AND PLANNERS
 605 S. MICHIGAN STREET
 CHICAGO, ILLINOIS 60605 TEL: 312.779.7100

USER NAME • BUSERB	DESIGNED • PKG	REVISED •
PLOT SCALE • 100.0000' / 1" =	DRAWN • EA, AV	REVISED •
PLOT DATE • 2/28/2018	CHECKED • PKG	REVISED •
	DATE • 1/24/2018	REVISED •

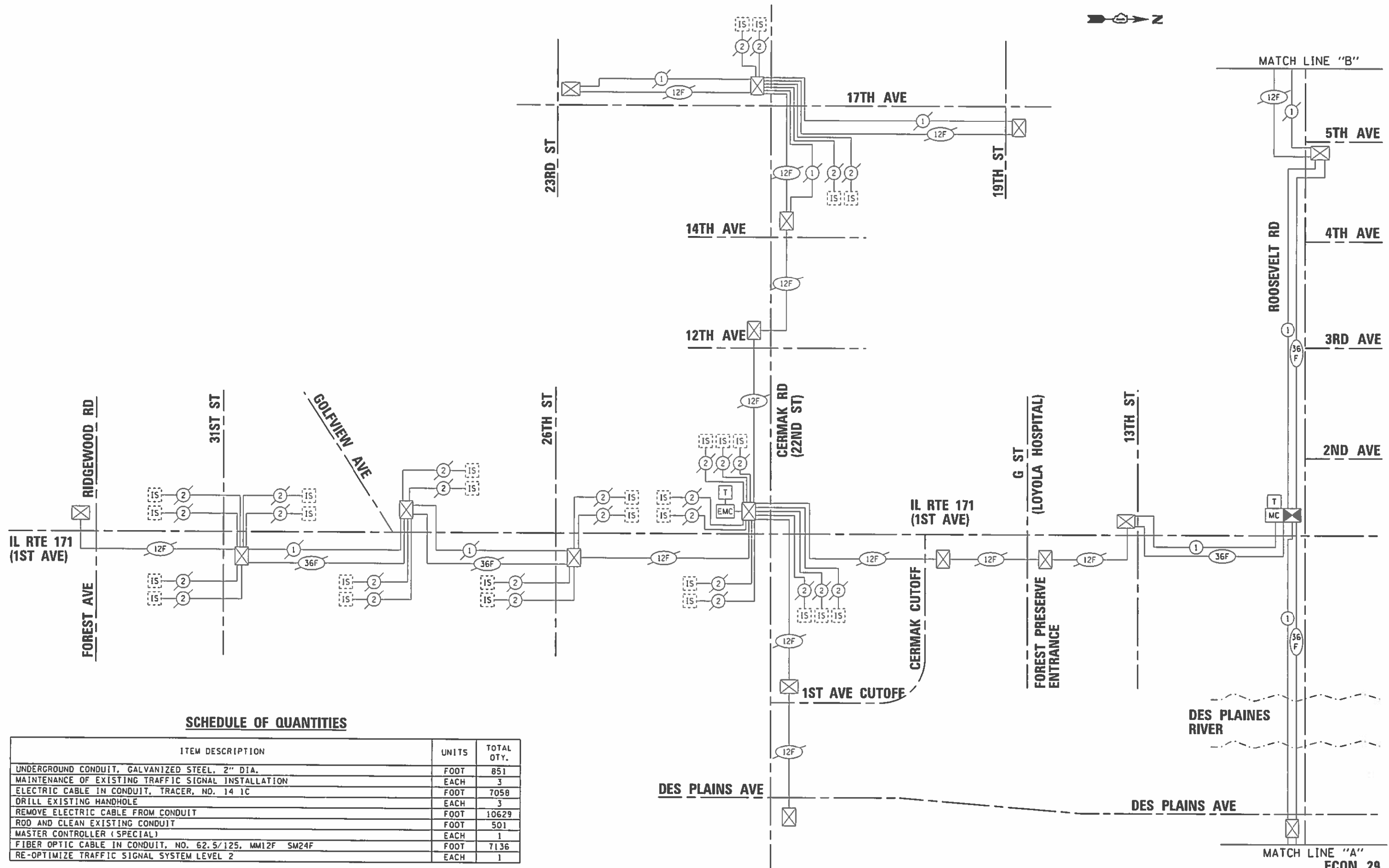
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
ROOSEVELT RD AT DES PLAINES AVE
IL RTE 171 (1ST AVE) AT 13TH ST / MEDICAL CENTER (SHEET 2 OF 2)

SCALE: 1"=50' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS-BN-1	COOK	103	62
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62A38	

ECON 29
ECON 27



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	851
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	7058
DRILL EXISTING HANDHOLE	EACH	3
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	10629
ROD AND CLEAN EXISTING CONDUIT	FOOT	501
MASTER CONTROLLER (SPECIAL)	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	7136
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1

FILE NAME: R:\PROJECTS\Projects 2017\62A38 IL171.ctb; User: rdv; Date: 2/28/2018; Project: IL RTE 171 e ROOSEVELT RD.PROF.SCHEMATIC.dwg

GO CANNON ASSOCIATES, INC.
 ENGINEERS AND ARCHITECTS
 100 N. LAUREL ST. SUITE 200
 CHICAGO, ILLINOIS 60610 TEL: 312.371.1400

USER NAME	• #USERS
DESIGNED	• PKG
DRAWN	• EA, AV
CHECKED	• PKG
DATE	• 1/24/2018
REVISIONS	•
PLT DATE	• 2/28/2018

REVISIONS	•
REVISIONS	•
REVISIONS	•
REVISIONS	•

REVISIONS	•
REVISIONS	•
REVISIONS	•
REVISIONS	•

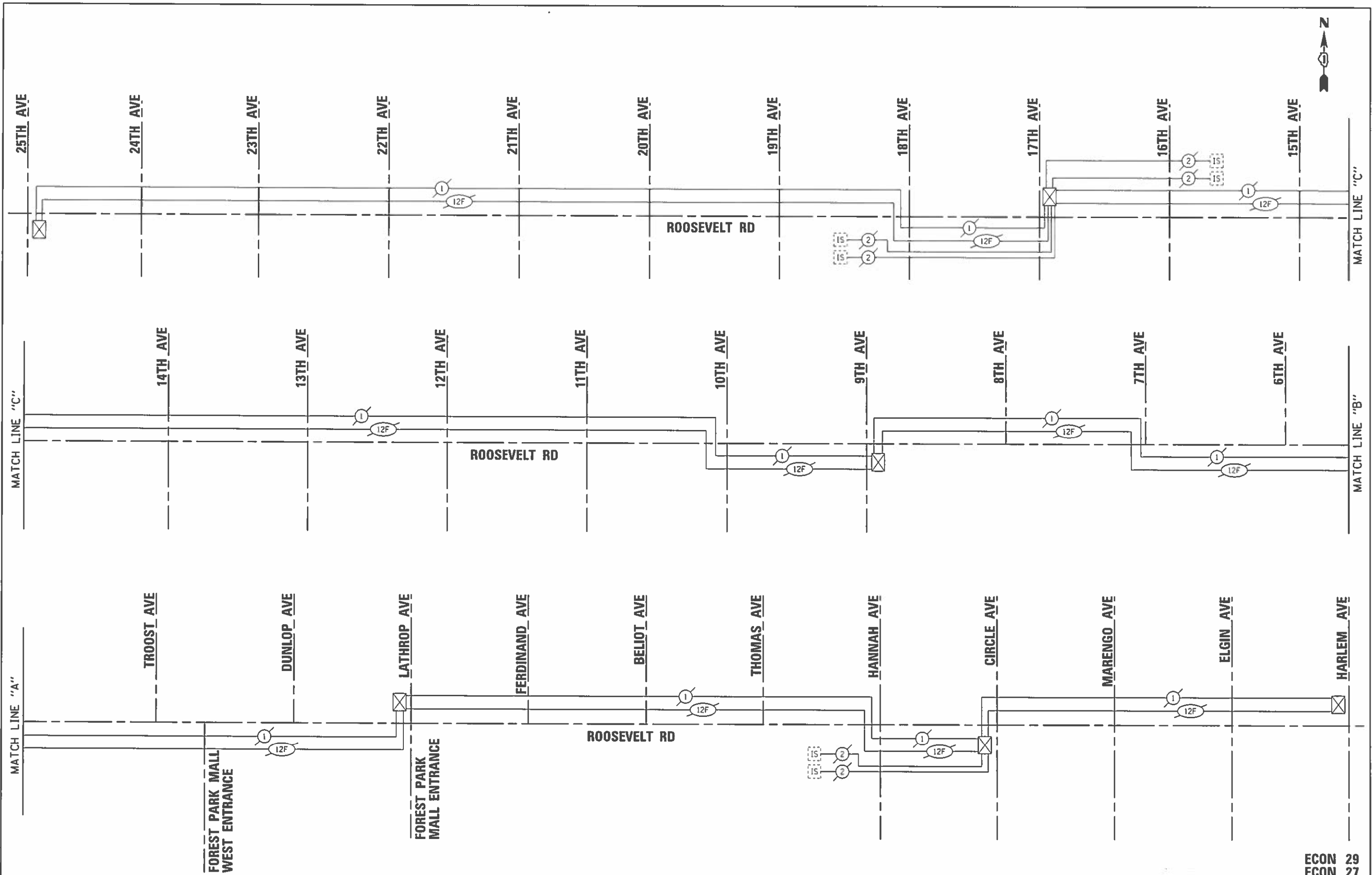
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES
IL RTE 171 (1ST AVE)
FROM RIDGEWOOD RD /FOREST AVE TO ROOSEVELT RD (SHEET 1 OF 2)
 SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS-AN-1	COOK	103	63
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62A38	

ECON 29
ECON 27

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GO CANNON AND ASSOCIATES, P.C.
 ENGINEERS AND ARCHITECTS
 100 N. WASHINGTON ST. SUITE 1000
 CHICAGO, ILLINOIS 60602 TEL: 312.271.1100

USER NAME : USER0	DESIGNED : PKG	REVISED :
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	DATE : 1/24/2018	REVISED :

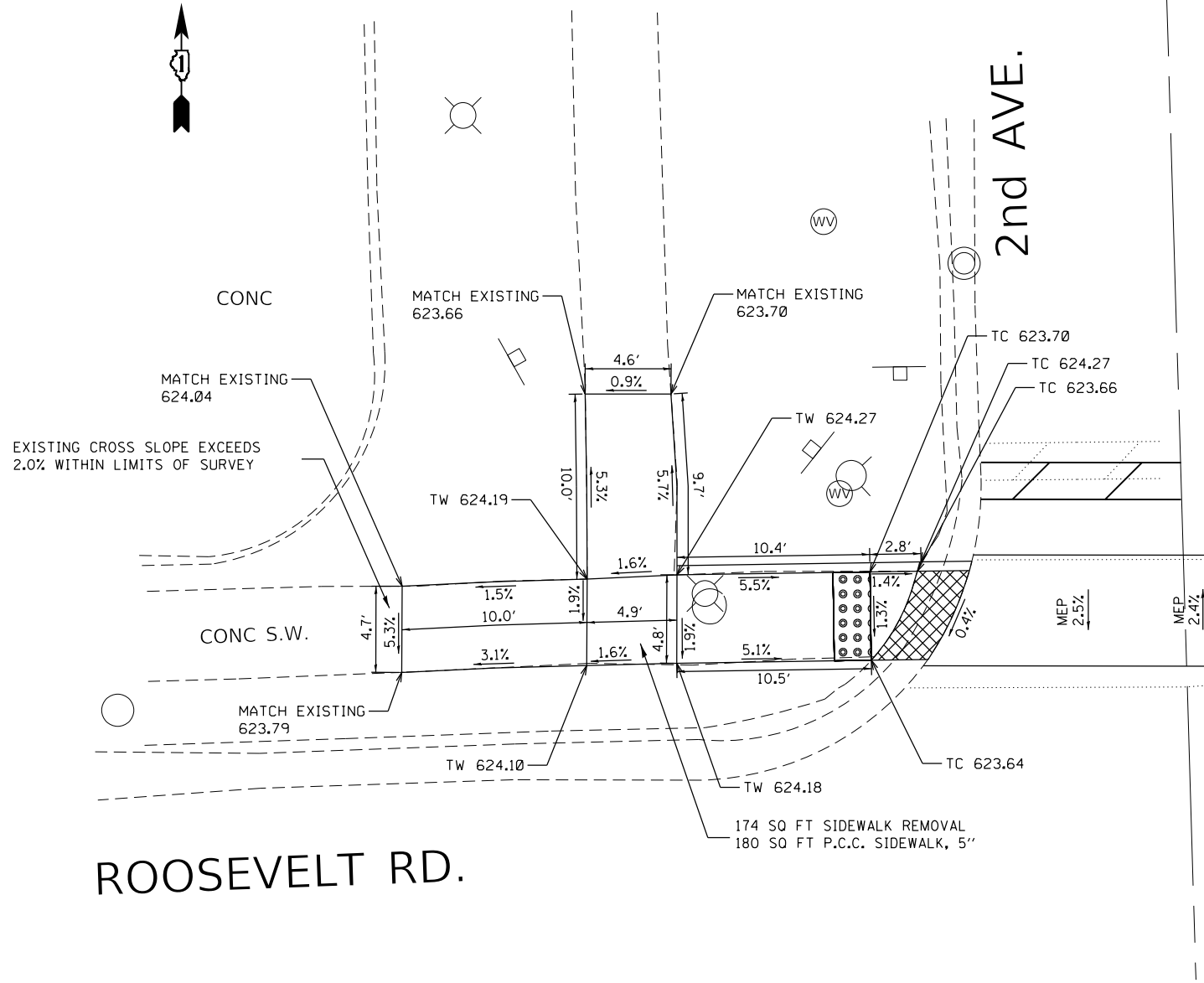
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT SCHEMATIC
 ROOSEVELT RD
 FROM 25TH AVE TO HARLEM AVE (SHEET 2 OF 2)

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

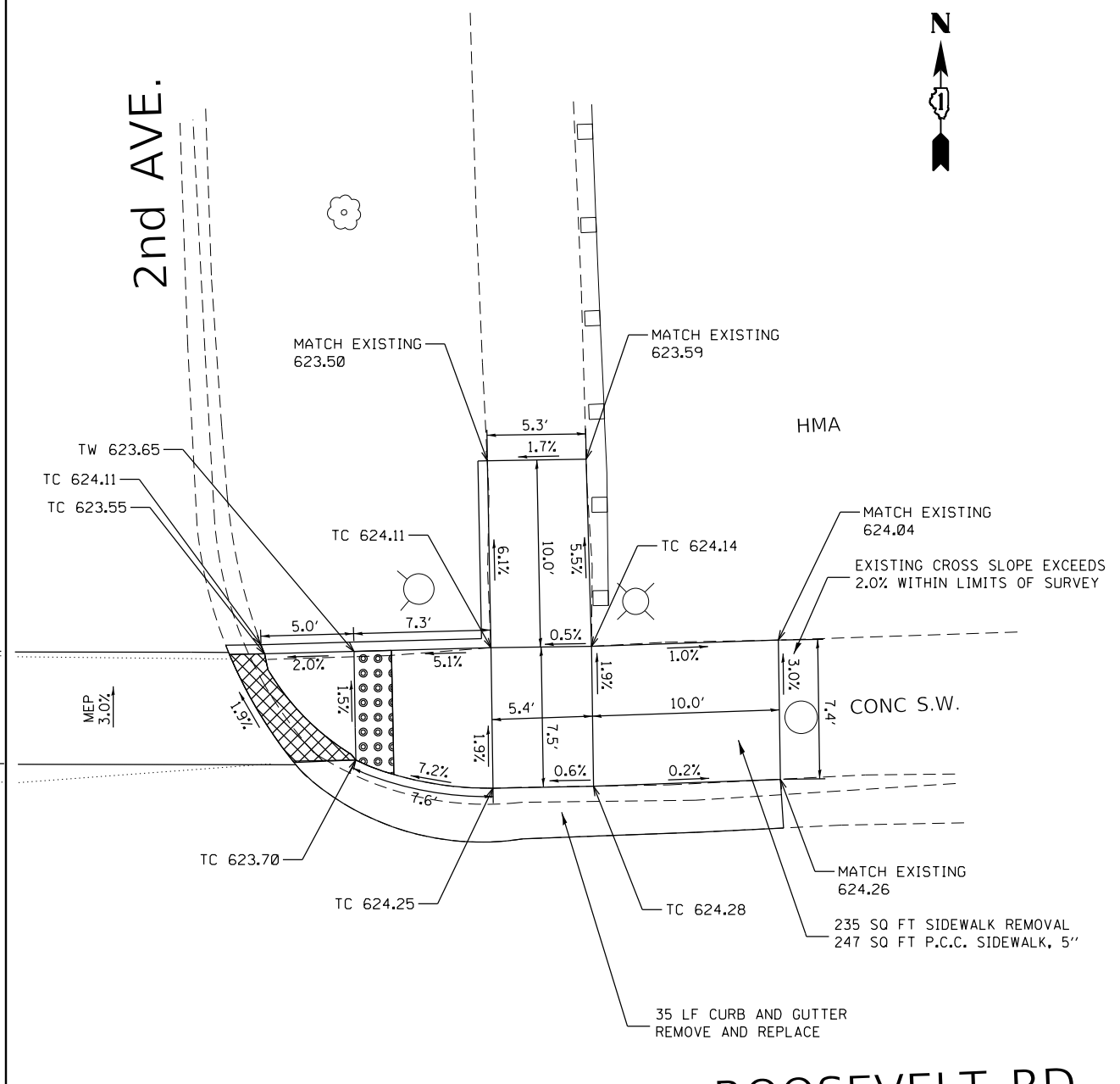
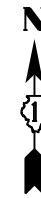
F.A.P. RTE. 372	SECTION 3091-TS-&N-1	COUNTY COOK	TOTAL SHEETS 103	SHEET NO. 64
CONTRACT NO. 62A38				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

ECON 29
 ECON 27



ROOSEVELT RD.

2nd AVE.



ROOSEVELT RD.

2nd AVE.

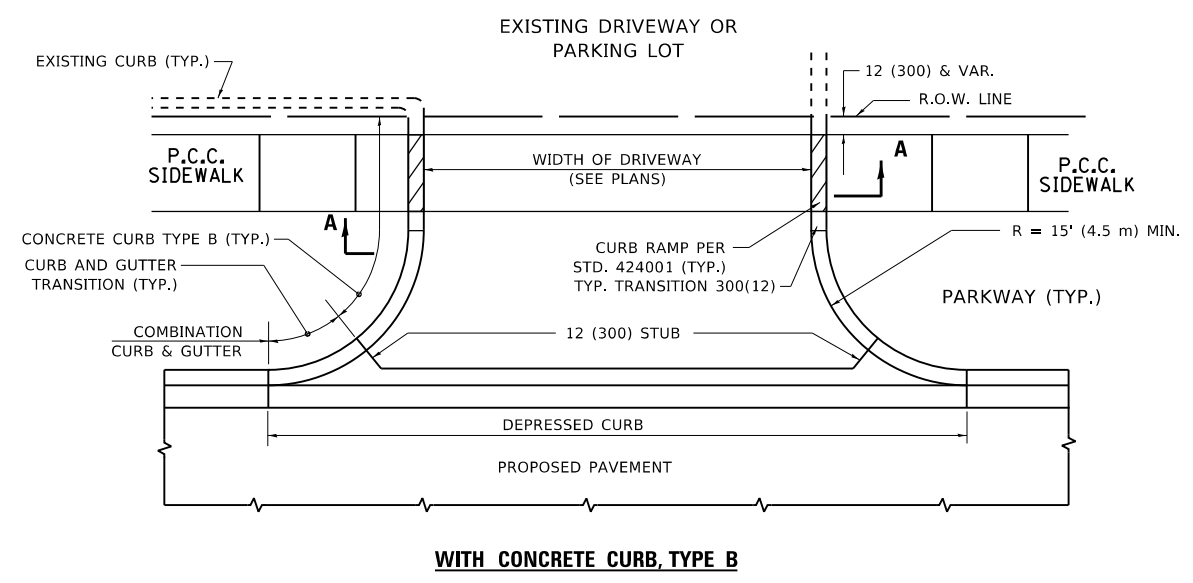
LEGEND

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- DEPRESSED CURB

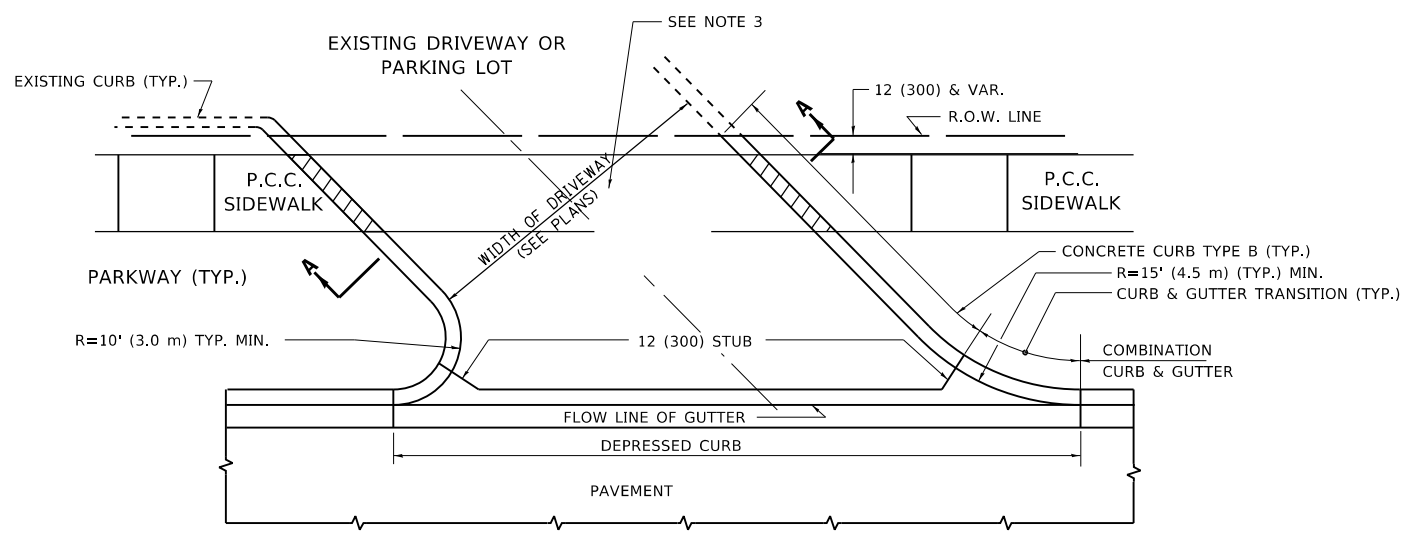
REFERENCE BENCH MARK ELEV 625.76
 BENCHMARK : SET X ON TOP SPINDAL OF PVC PIPE
 LOCATION : BASE AT NW CORNER OF ROOSEVELT ROAD AND 2ND AVENUE

REFERENCE BENCH MARK ELEV 625.76
 BENCHMARK : SET X ON TOP SPINDAL OF PVC PIPE
 LOCATION : BASE AT NW CORNER OF ROOSEVELT ROAD AND 2ND AVENUE

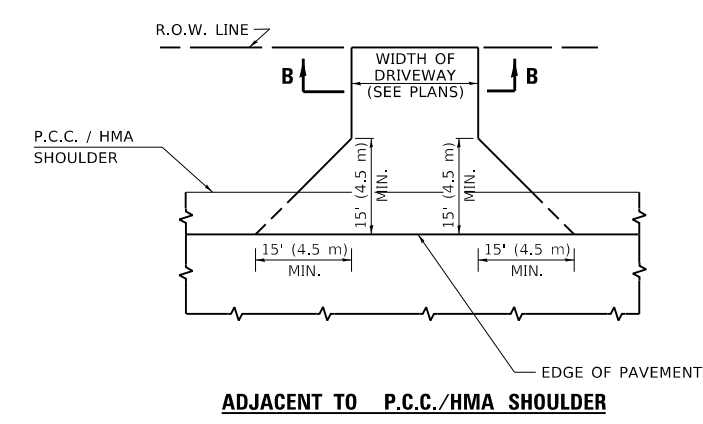
FILE NAME =	USER NAME = steedpa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA DETAILS (ROOSEVELT RD. AT 2nd AVE.—NW & NE CORNERS) FAP 372 /IL 171 (1st AVE.) AT ROOSEVELT RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\0117015\Drawings\Design\0117015-ADA.dgn	Default	Checked -	Revised -			372	3091-TS&N-1	COOK	103	65
PLOT SCALE = 10.0000' / in.	PLOT DATE = 3/26/2020	DATE -	REVISI			CONTRACT NO. 62A38			ILLINOIS FED. AID PROJECT	



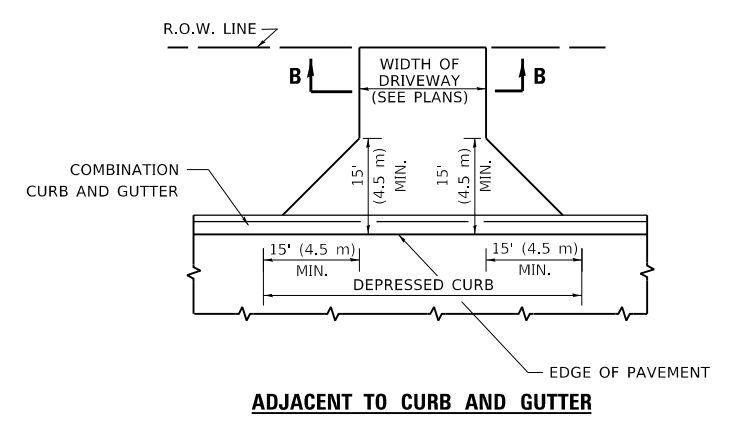
WITH CONCRETE CURB, TYPE B



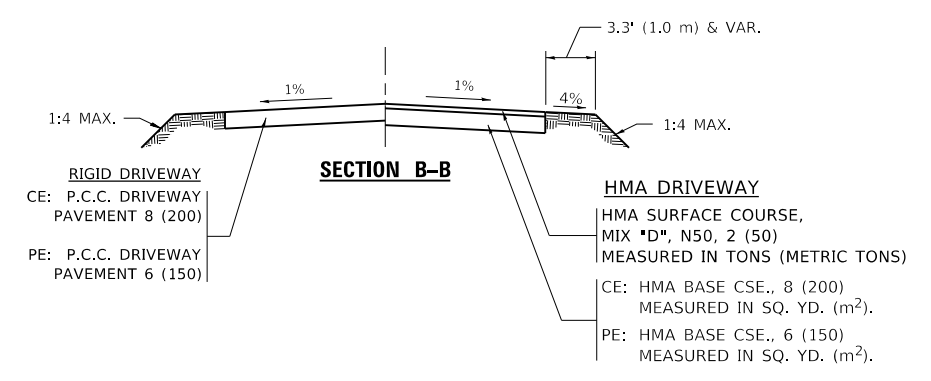
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C./HMA SHOULDER



ADJACENT TO CURB AND GUTTER



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.

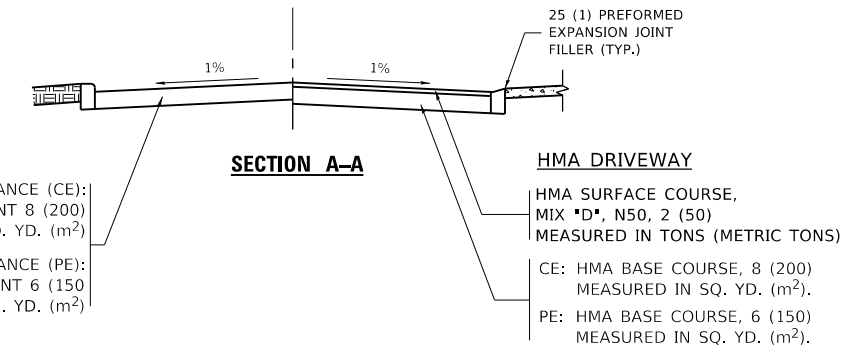
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

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.



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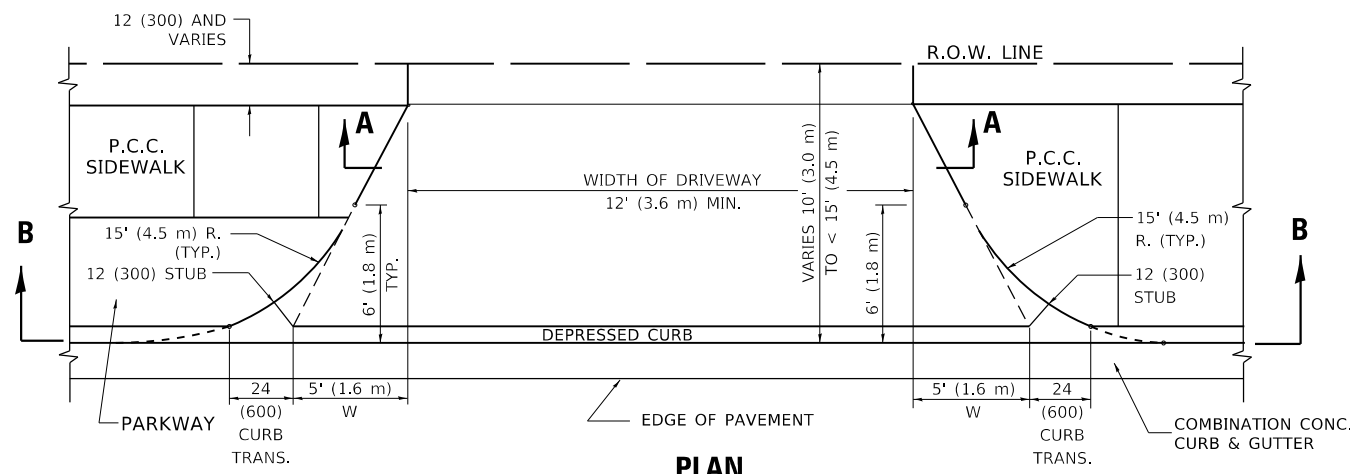
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PLOT SCALE = 100.0002' / in.	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 3/26/2020	DATE - 11-04-95	REVISED - R. BORO 06-11-08
		REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

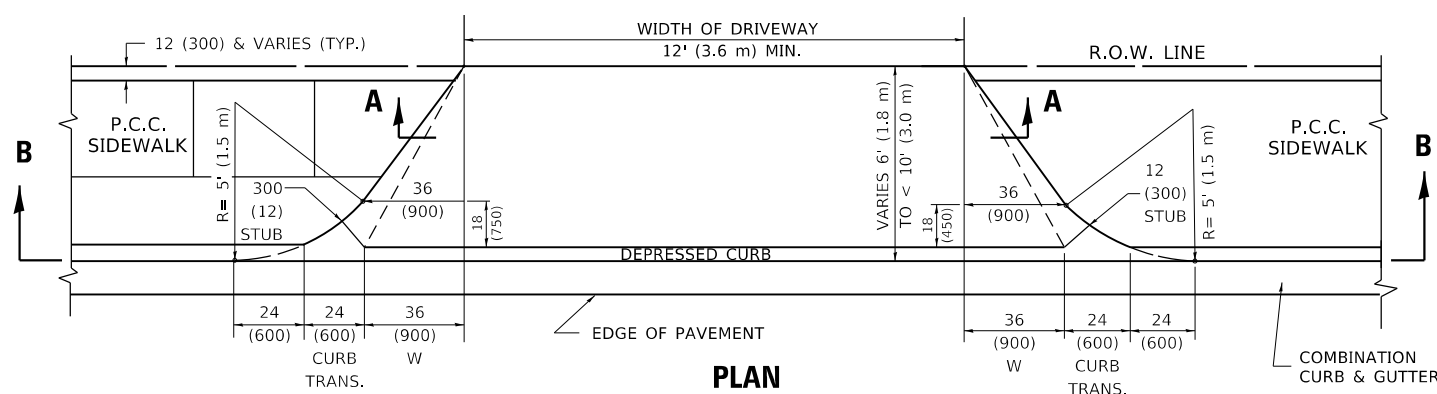
**DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W.
AND FACE OF CURB & EDGE OF SHOULDER ≥ 15'(4.5m)**

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

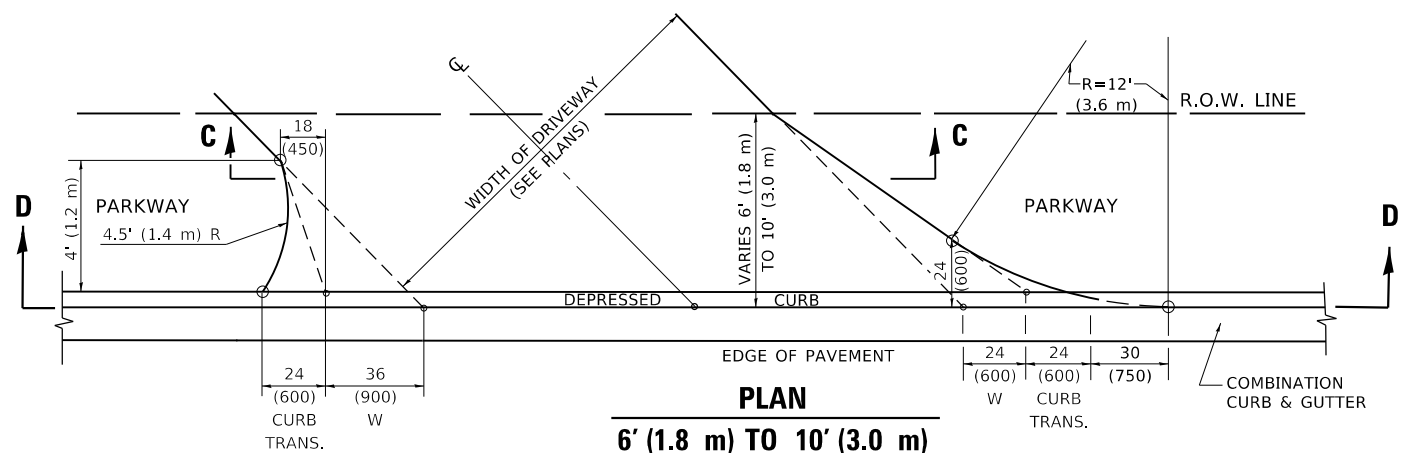
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	66
BD400-01 (BD-01)			CONTRACT NO. 62A38	
ILLINOIS		FED. AID PROJECT		



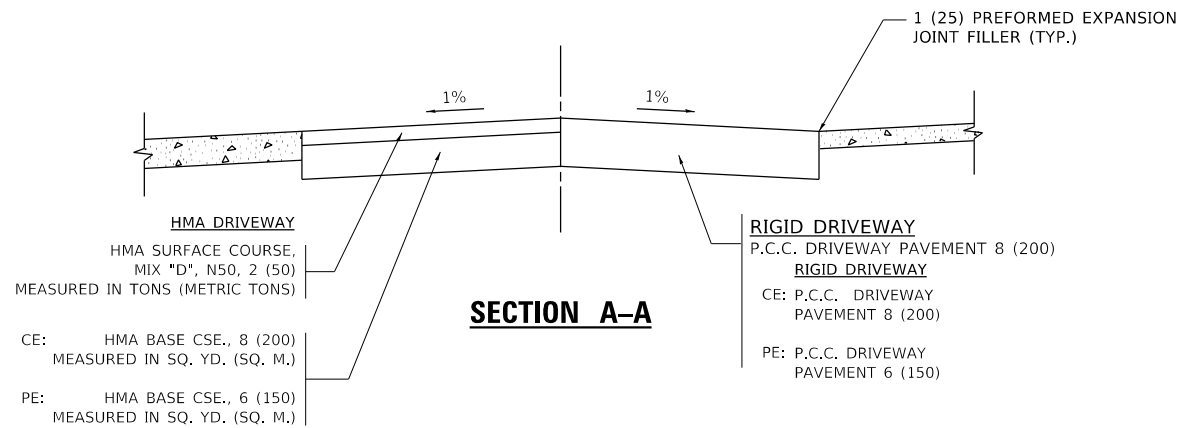
PLAN
10' (3.0 m) TO < 15' (4.5 m)



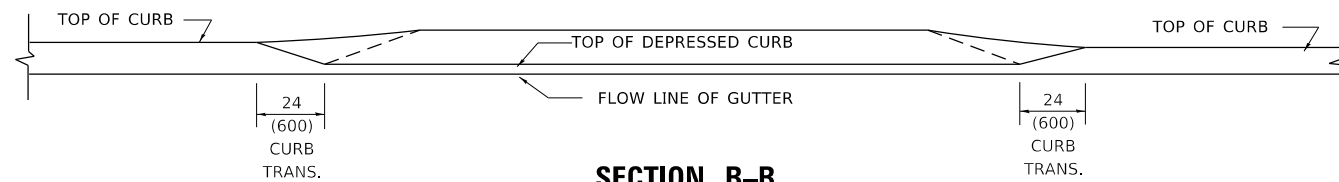
PLAN
6' (1.8 m) TO < 10' (3.0 m)



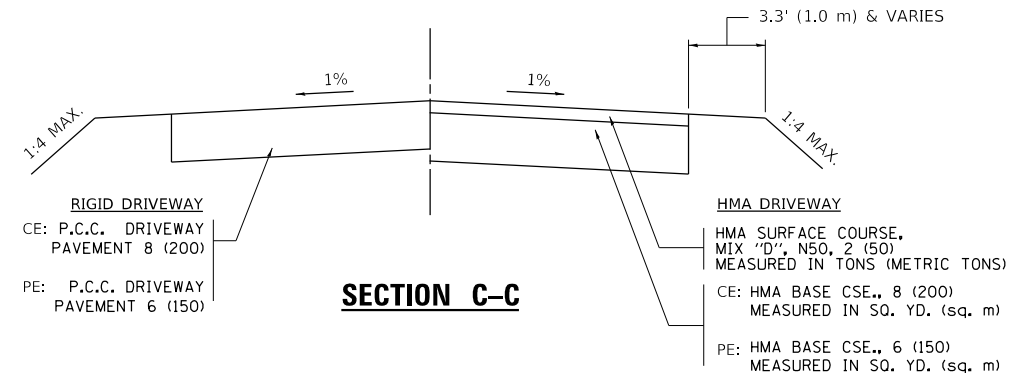
PLAN
6' (1.8 m) TO 10' (3.0 m)



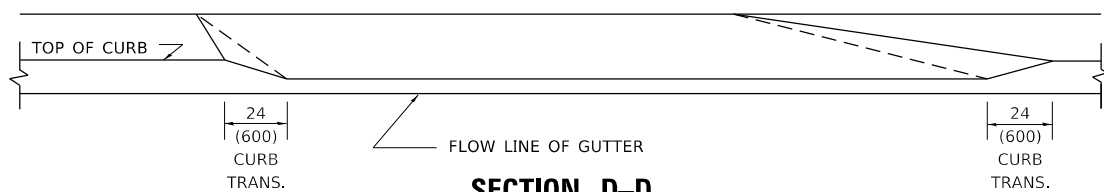
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

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

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

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

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

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

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

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

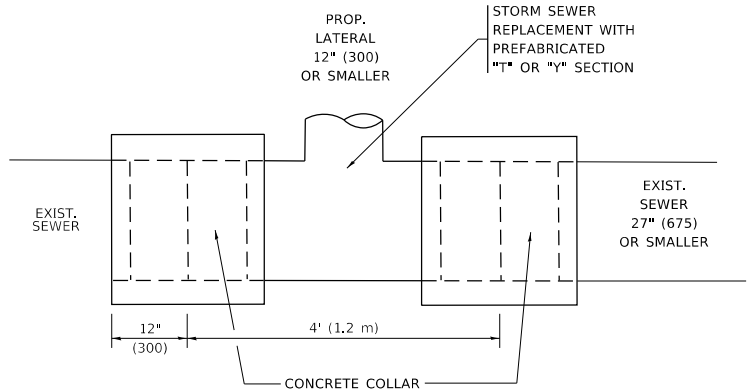
DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	67
BD400-02 (BD-02)		CONTRACT NO. 62A38		

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

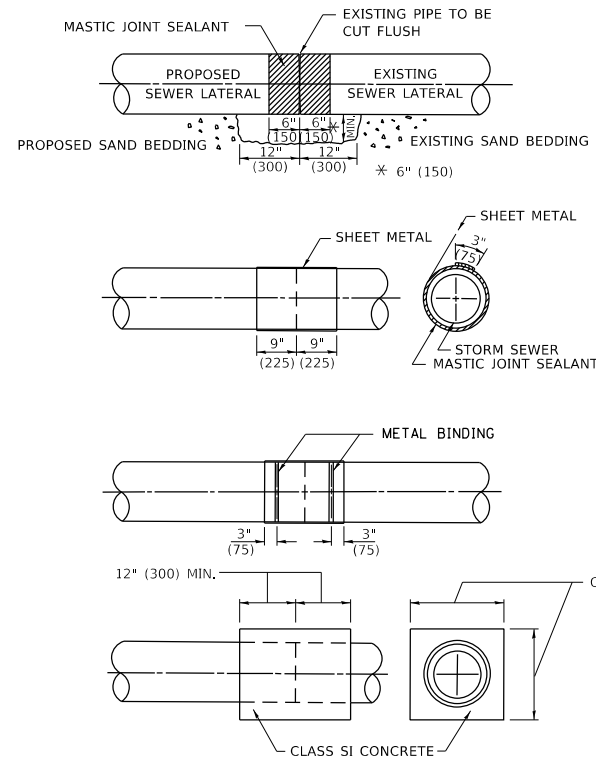
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USER NAME = steedpa	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED - P. LofLUER 04-15-03
PLOT DATE = 3/26/2020	CHECKED -	REVISED - R. BORO 01-01-07
	DATE - 11-06-95	REVISED - R. BORO 09-06-11



DETAIL "A"

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



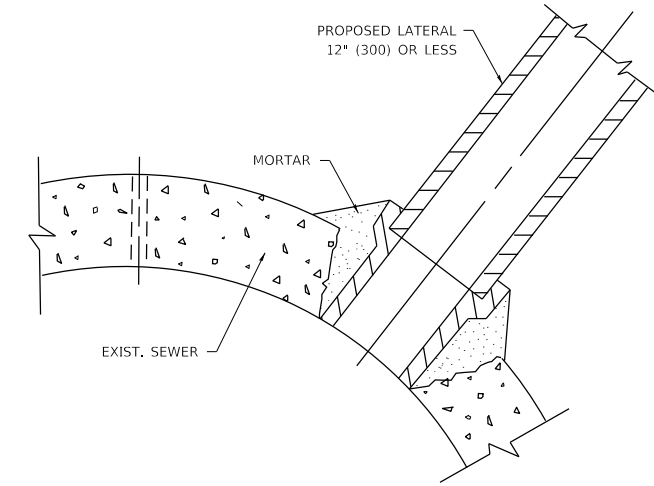
DETAIL "B"

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 OOOZES 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

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

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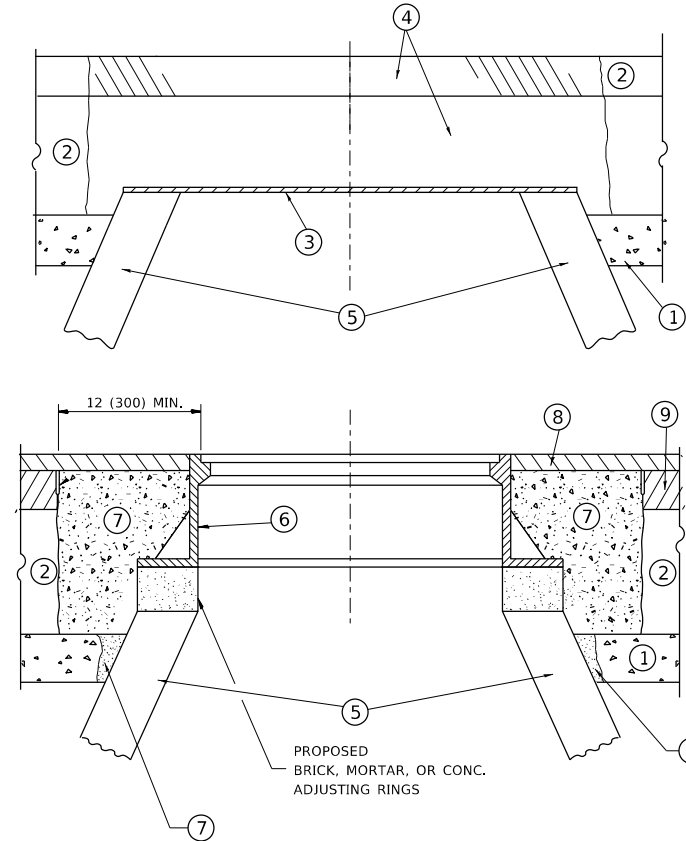
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PLOT DATE = 3/26/2020	DATE - 07-25-90	REVISED - R. SHAH 06-12-96

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	68
BD500-01 (BD-7)		CONTRACT NO. 62A38		
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

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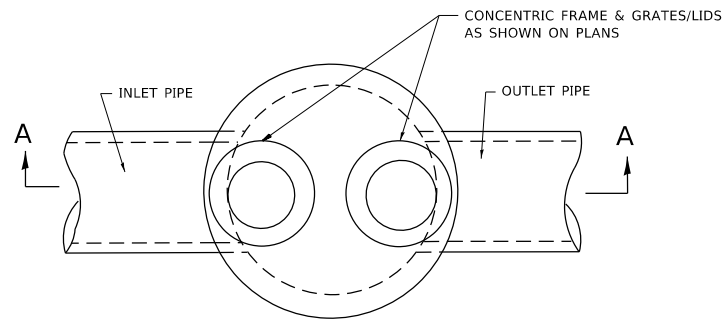
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

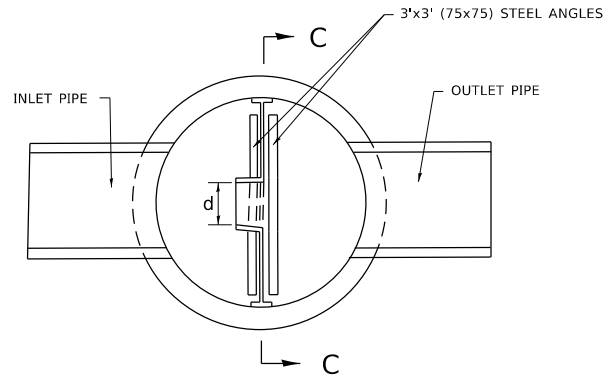
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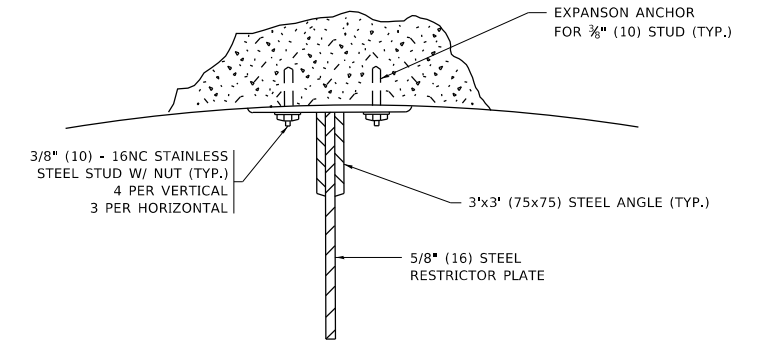
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BD600-03 (BD-8)			CONTRACT NO. 62A38	
ILLINOIS		FED. AID PROJECT		



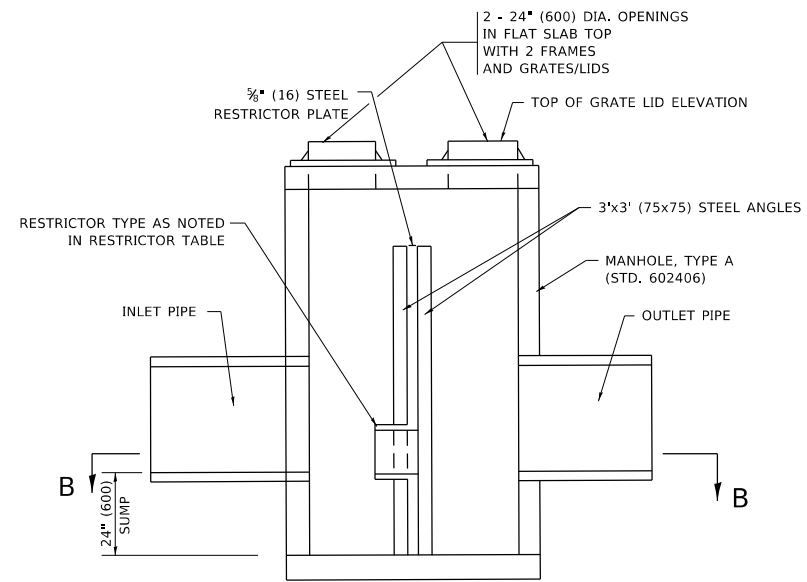
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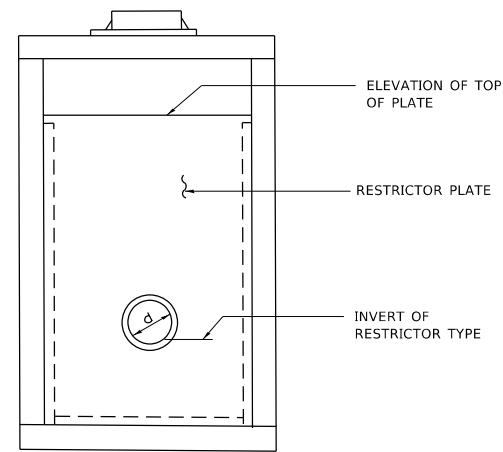
SECTION B-B



ANGLE FASTENER DETAIL



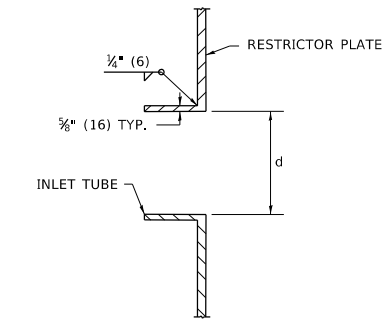
SECTION A-A



SECTION C-C

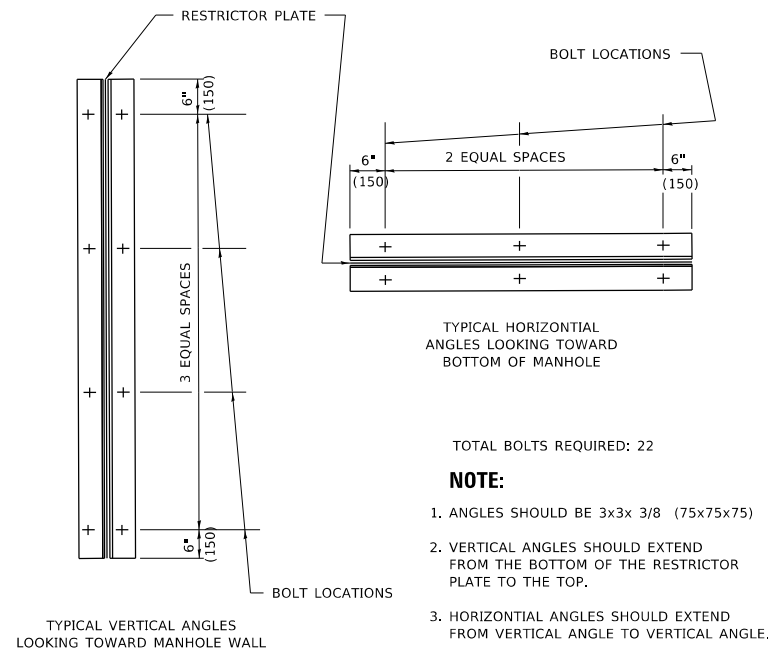
NOTES:

1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
3. BASIS OF PAYMENT: "MANHOLES, TYPE A, 6 FT. (1.8 m)-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



INLET TUBE DETAIL

STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER in. (mm) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW



STEEL ANGLE BOLTING DETAILS

RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH: 1/2 TO 1 DIA. C=.52		STREAM CLEARS SIDES C=.61	LENGTH: 2-1/2 DIA. C=.73	LENGTH: 2-1/2 DIA. C=.82	C=.98

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

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

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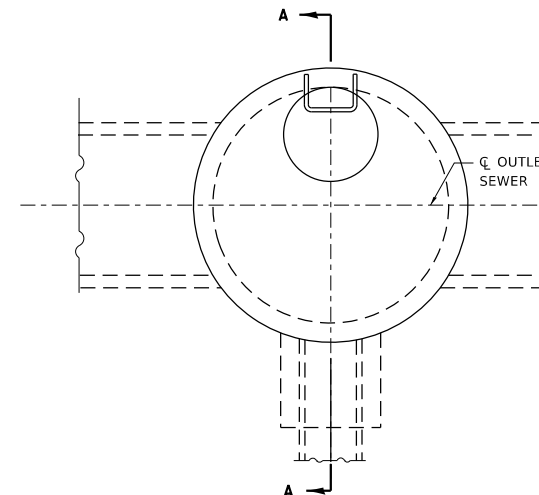
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PLOT DATE = 3/26/2020	CHECKED -	REVISED - M. GOMEZ 01-08-01
	DATE - 09-09-94	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHOLE WITH
RESTRICTOR PLATE

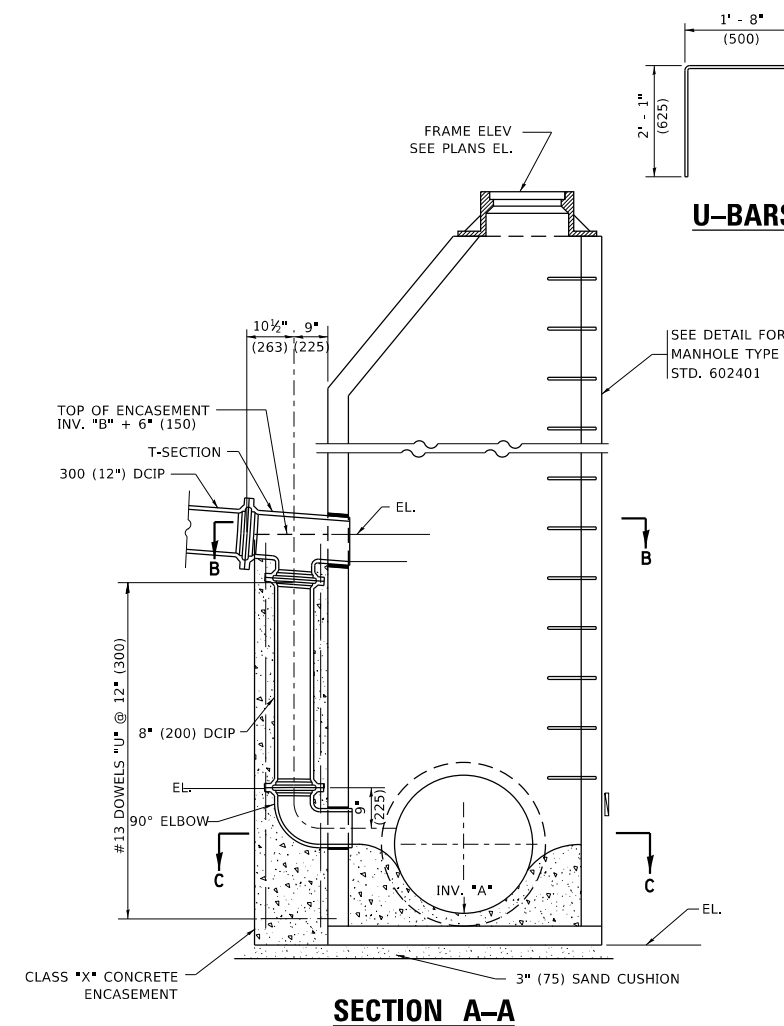
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BD600-04 (BD-12)		CONTRACT NO. 62A38		
ILLINOIS FED. AID PROJECT				



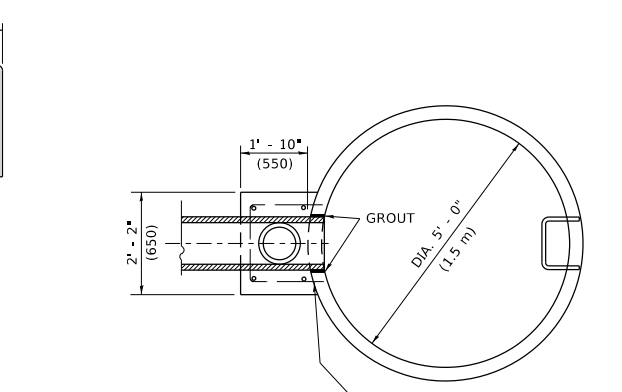
PLAN
FOR LOCATION SEE DRAINAGE PLANS

ENCASEMENT DETAILS			
DROP M.H. LOCATION STA., OFFSET			
INV. "A"			
INLET PIPE			
INV. "B"			
INV. "C"			
A			
B			
V BAR LENGTH			
NO. OF *U* BARS			
REINF. BARS			
CLASS "SI" CONC. CUBIC METER (CU. YD.)			

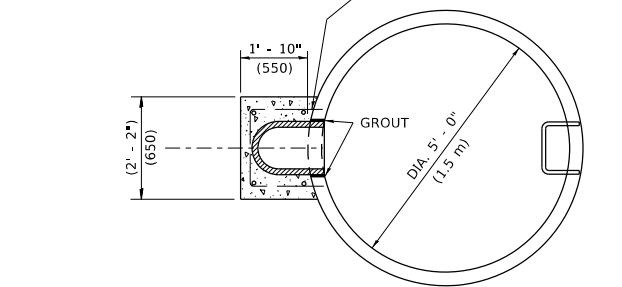


SECTION A-A

- TYPE A1-1 MANHOLE WITH 1 DROP AND DEPTH UP TO 10' (3 m)
 TYPE A1-2 " " " " " " FROM 10' TO 15' (3 m TO 1.5 m)
 TYPE A1-3 " " " " " " FROM 15' TO 20' (1.5 m TO 6 m)
 TYPE A1-4 " " " " " " OVER 20' (6 m)
- TYPE A2-1 MANHOLE WITH 2 DROPS AND DEPTH UP TO 10' (3 m)
 TYPE A2-2 " " " " " " FROM 10' TO 15' (3 m TO 1.5 m)
 TYPE A2-3 " " " " " " FROM 15' TO 20' (1.5 m TO 6 m)
 TYPE A2-4 " " " " " " OVER 20' (6 m)



SECTION B-B



SECTION C-C

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

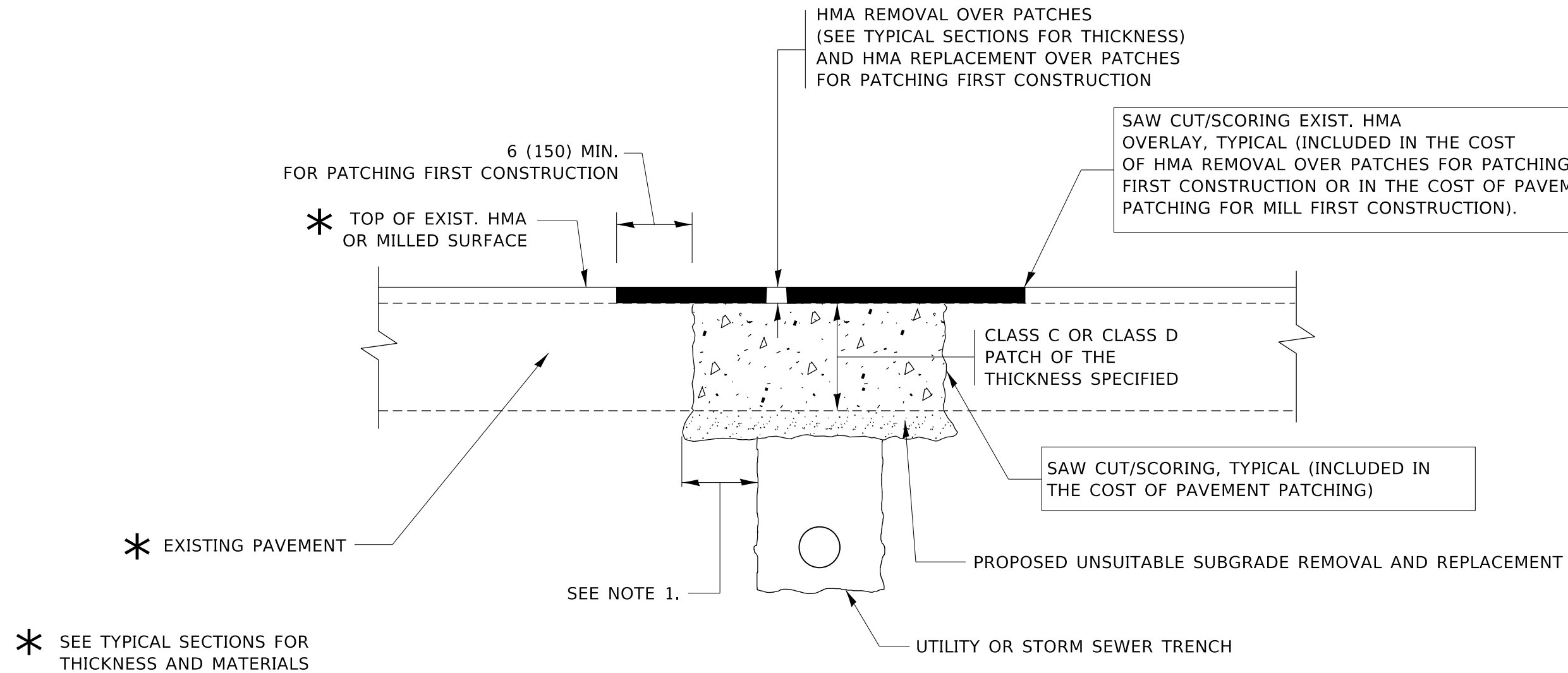
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	DATE - 10-18-02	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DROP MANHOLE DETAILS
 SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS-6N-1	COOK	103	71
BD600-05 (BD-16)		CONTRACT NO. 62A38		
ILLINOIS FED. AID PROJECT				



NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

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PLOT DATE = 3/26/2020	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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	72
BD400-04 (BD-22)			CONTRACT NO. 62A38	
ILLINOIS FED. AID PROJECT				

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE 2)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE 2)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001

18" (450) MAX.

EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

¼" (5) **

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE 1).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

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

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

PROPOSED ¾" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE 3).

NOTE:

- SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.
- FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED.
- CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
- THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
- THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

BASIS OF PAYMENT

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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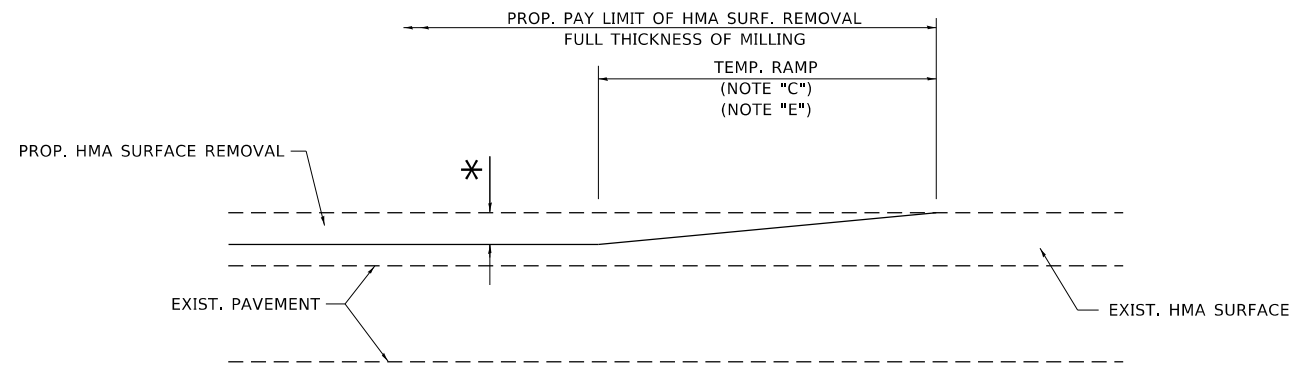
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CURB OR CURB AND GUTTER
REMOVAL AND REPLACEMENT**

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

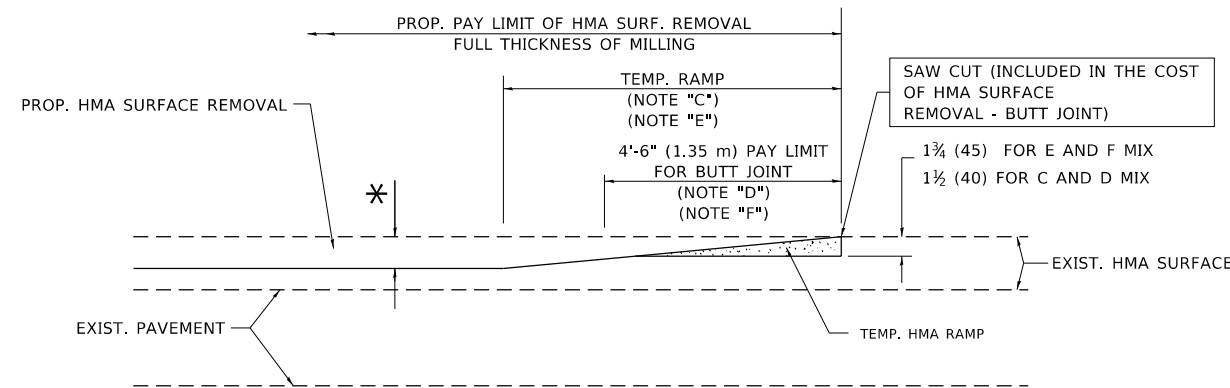
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372	3091-TS&N-1	COOK	103	73
BD600-06 (BD-24)		CONTRACT NO. 62A38		
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

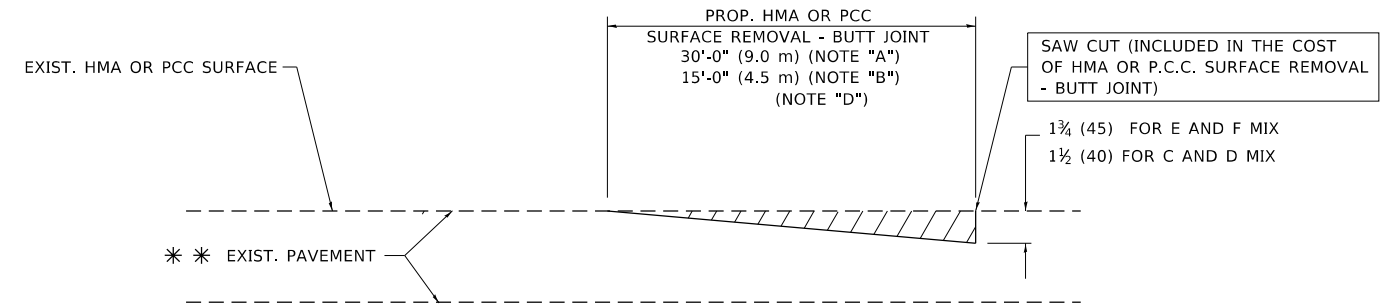


HMA CONSTRUCTED TEMPORARY RAMP

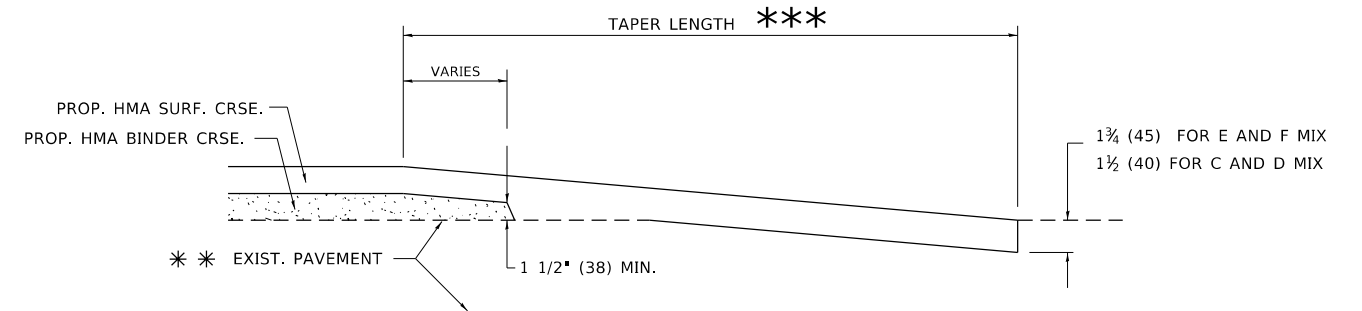
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

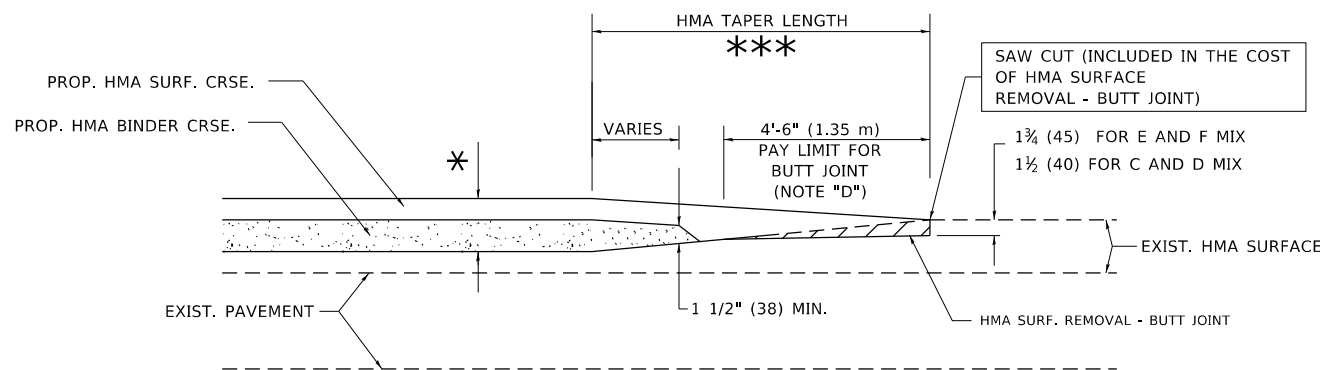
NOTES

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

BASIS OF PAYMENT

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

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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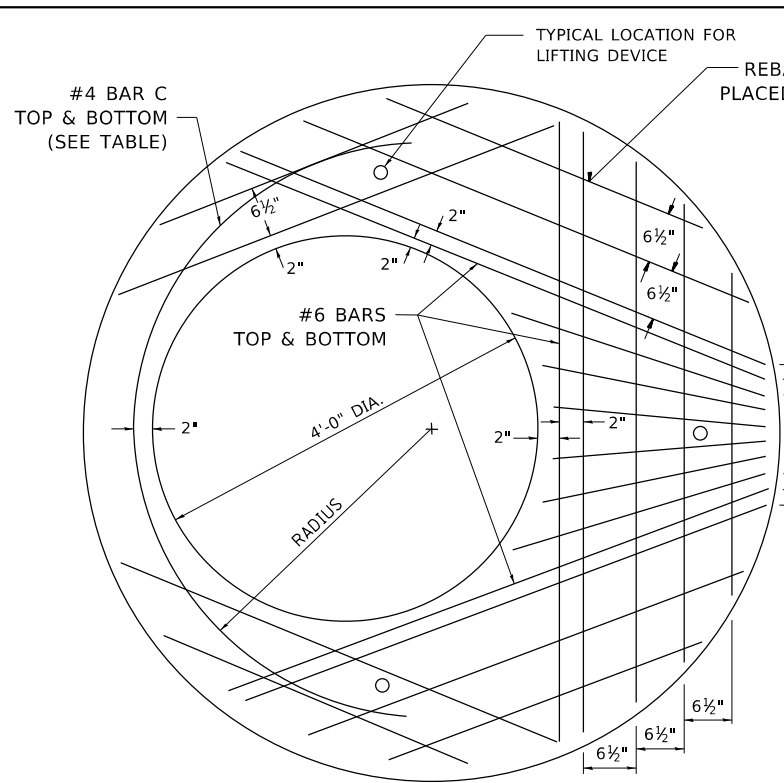
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	DRAWN -	REVISED - A. ABBAS 03-21-97
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PLOT DATE = 3/26/2020	DATE - 06-13-90	REVISED - R.BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

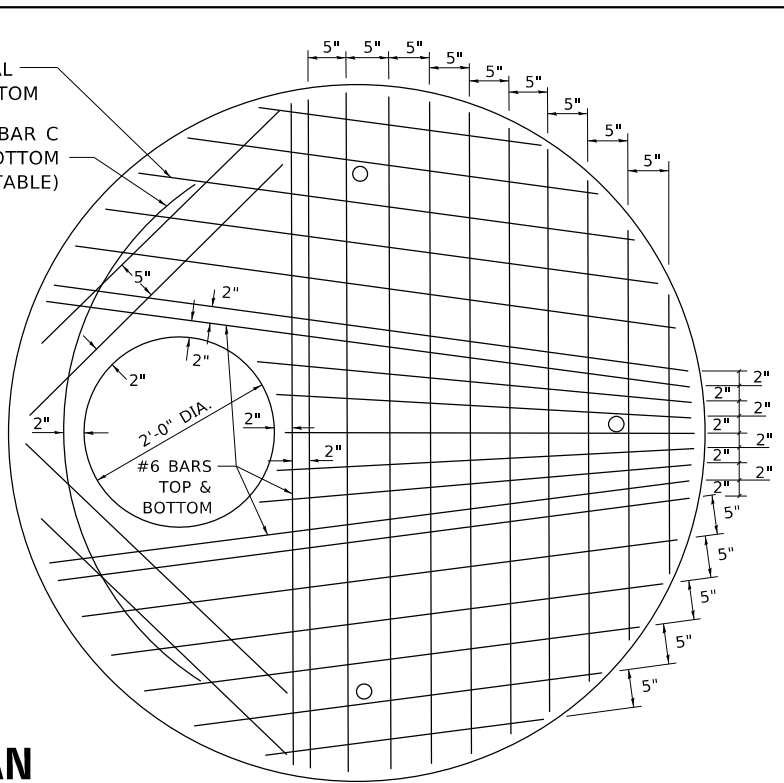
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS-6N-1	COOK	103	74
BD400-05 BD32		CONTRACT NO. 62A38		
ILLINOIS FED. AID PROJECT				

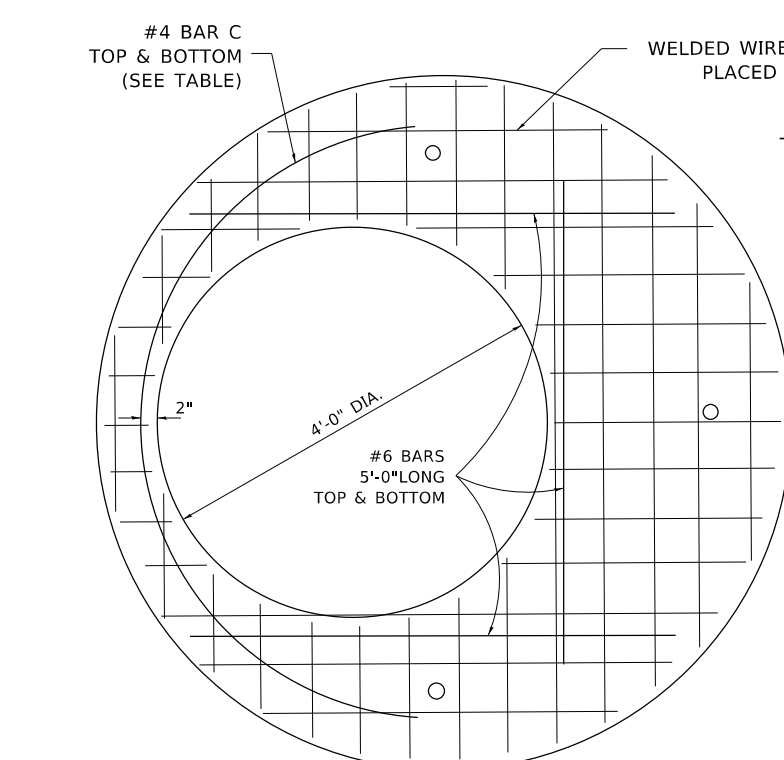


PLAN

SHOWING REBAR REINFORCEMENT



**SEC. A-A
CAST IRON STEPS**



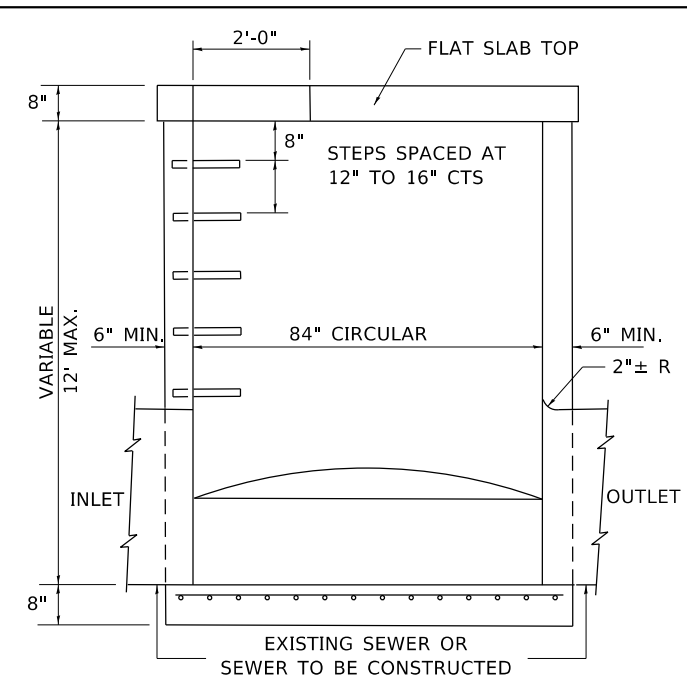
PLAN

SHOWING WELDED WIRE FABRIC REINFORCEMENT

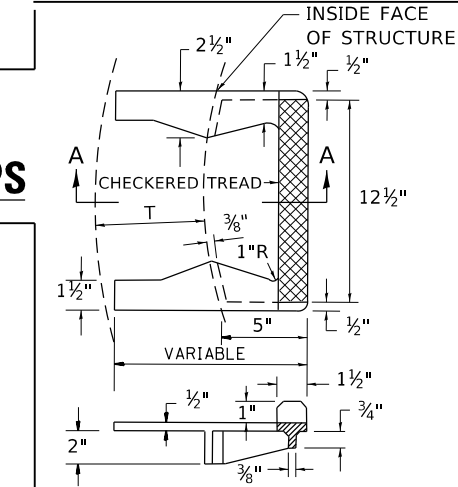
NOTE:
THIS STRUCTURE SHOULD BE USED WITH PIPES
SIZE 54" DIA. OR SMALLER.

DIAMETER OF OPENING	REINFORCEMENT "As" WWF OR BAR SIZE EACH DIRECTION	BAR SIZE	BAR C		
			SIZE	LENGTH	RADIUS
2'-0"	1.06 SQ.IN./LIN.FT.	#6	#4	6'-0"	38"
4'-0"	0.82 SQ.IN./LIN.FT.	#6	#4	9'-0"	38"

TABLE



ELEVATION



GENERAL NOTES

ALTERNATE MATERIAL FOR THE WALLS MAY BE CONCRETE MASONRY UNITS, PRECAST REINFORCED CONCRETE SECTIONS OR CAST-IN-PLACE CONCRETE. THE CAST IRON STEPS AS DETAILED HEREON ARE TYPICAL. STEPS OF OTHER DESIGN AND MATERIAL THAT CONFORM TO THE MINIMUM REQUIREMENTS OF THE STEPS SHOWN MAY BE USED WHEN APPROVED BY THE ENGINEER.

CAST IRON STEPS SHALL BE GRAY IRON CONFORMING TO THE REQUIREMENTS OF ARTICLE 1006.14 OF THE STANDARD SPECIFICATIONS.

STEPS SHALL BE EMBEDDED INTO THE WALL A MINIMUM OF THREE (3) INCHES. STEPS SHALL NOT BE EXTENDED ON THE OUTSIDE.

STEPS SHALL BE OMITTED FOR WORK IN COOK COUNTY WHEN THE DEPTH OF THE MANHOLE IS TEN (10') OR LESS.

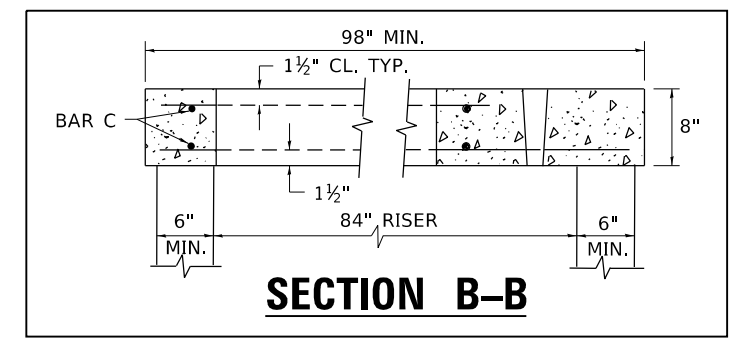
IN ADDITION TO THE REQUIREMENTS OF ARTICLE 612.13 OF THE STANDARD SPECIFICATIONS, THE CONTRACT UNIT PRICE FOR MANHOLES, TYPE A, 7'-DIAMETER SHALL INCLUDE THE SAND CUSHION WHEN REQUIRED, FURNISHING AND INSTALLING STEPS WHEN REQUIRED, FURNISHING AND COMPACTING THE SPECIFIED BACKFILL MATERIAL, AND FURNISHING AND INSTALLING FLAT SLAB TOP.

PRECAST FLAT SLAB TOP SHALL CONFORM TO ARTICLES 505.01 THRU 505.05 OF THE STANDARD SPECIFICATIONS EXCEPT THAT THE CONCRETE STRENGTH SHALL BE 4,000 PSI AFTER 28 DAYS. REINFORCEMENT BARS AND WELDED WIRE FABRIC SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 1006.10. ONLY GRADE 60 REINFORCEMENT BARS WILL BE PERMITTED.

BOTTOM SLAB SHALL BE REINFORCED BY EITHER REINFORCEMENT BARS OR WELDED WIRE FABRIC. THE MINIMUM REINFORCEMENT SHALL BE 0.46 SQUARE INCH PER LINEAR FOOT IN BOTH DIRECTIONS.

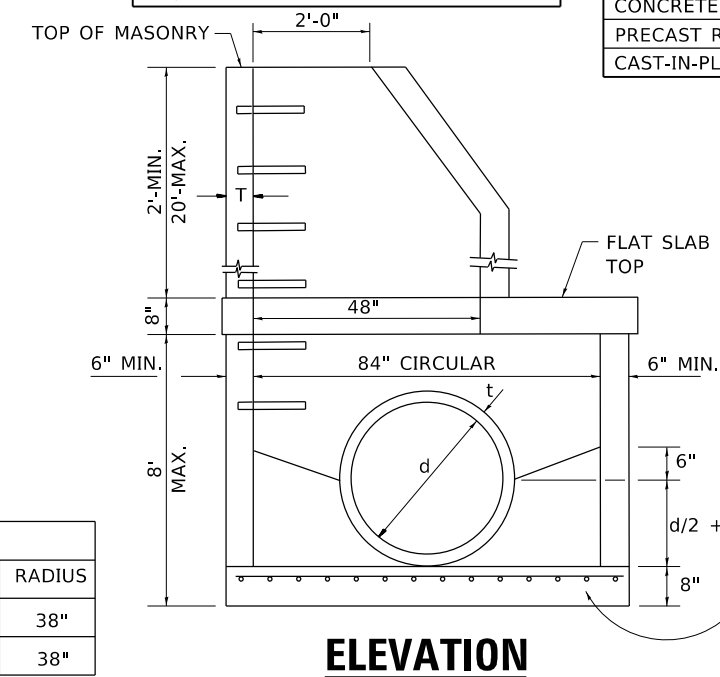
JOINT CONFIGURATION AND DIMENSIONS OF FLAT SLAB TOP SHALL MATCH AND FIT THE RISER JOINT DETAIL.

LIFTING DEVICES SHALL BE APPROVED BY THE ENGINEER.

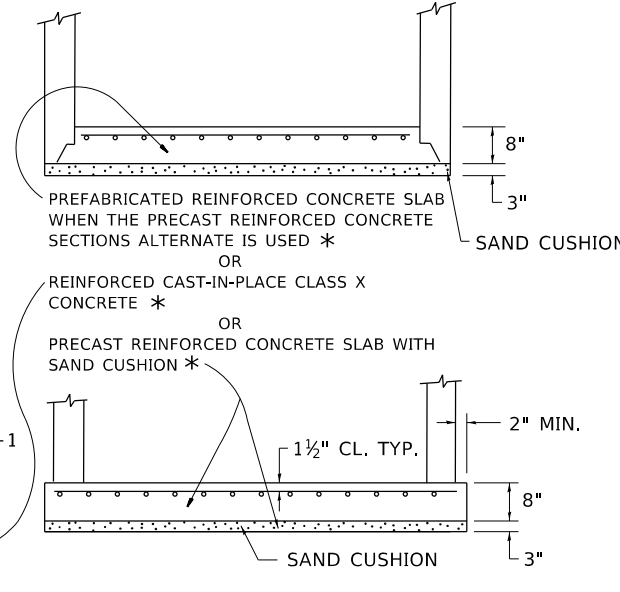


SECTION B-B

ALTERNATE MATERIALS FOR RISERS	T (MIN.)
CONCRETE MASONRY UNITS	5"
PRECAST REINFORCED CONCRETE SECTIONS	4"
CAST-IN-PLACE CONCRETE	6"



ELEVATION



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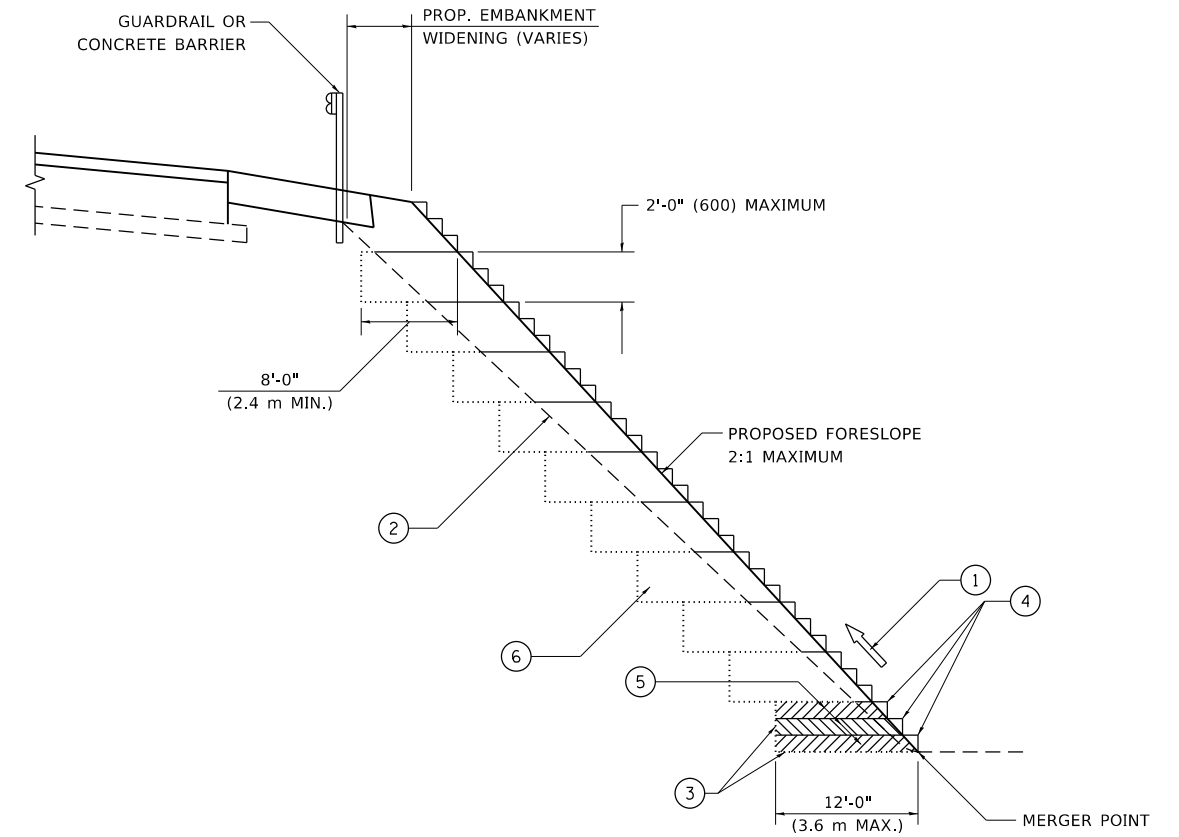
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PLOT DATE = 3/26/2020	CHECKED -	REVISED -
	DATE - 10-18-02	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.
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**MANHOLE TYPE A
7 FOOT DIAMETER**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS-6N-1	COOK	103	75
BD600-11 (BD-37)		CONTRACT NO. 62A38		
ILLINOIS FED. AID PROJECT				



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

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

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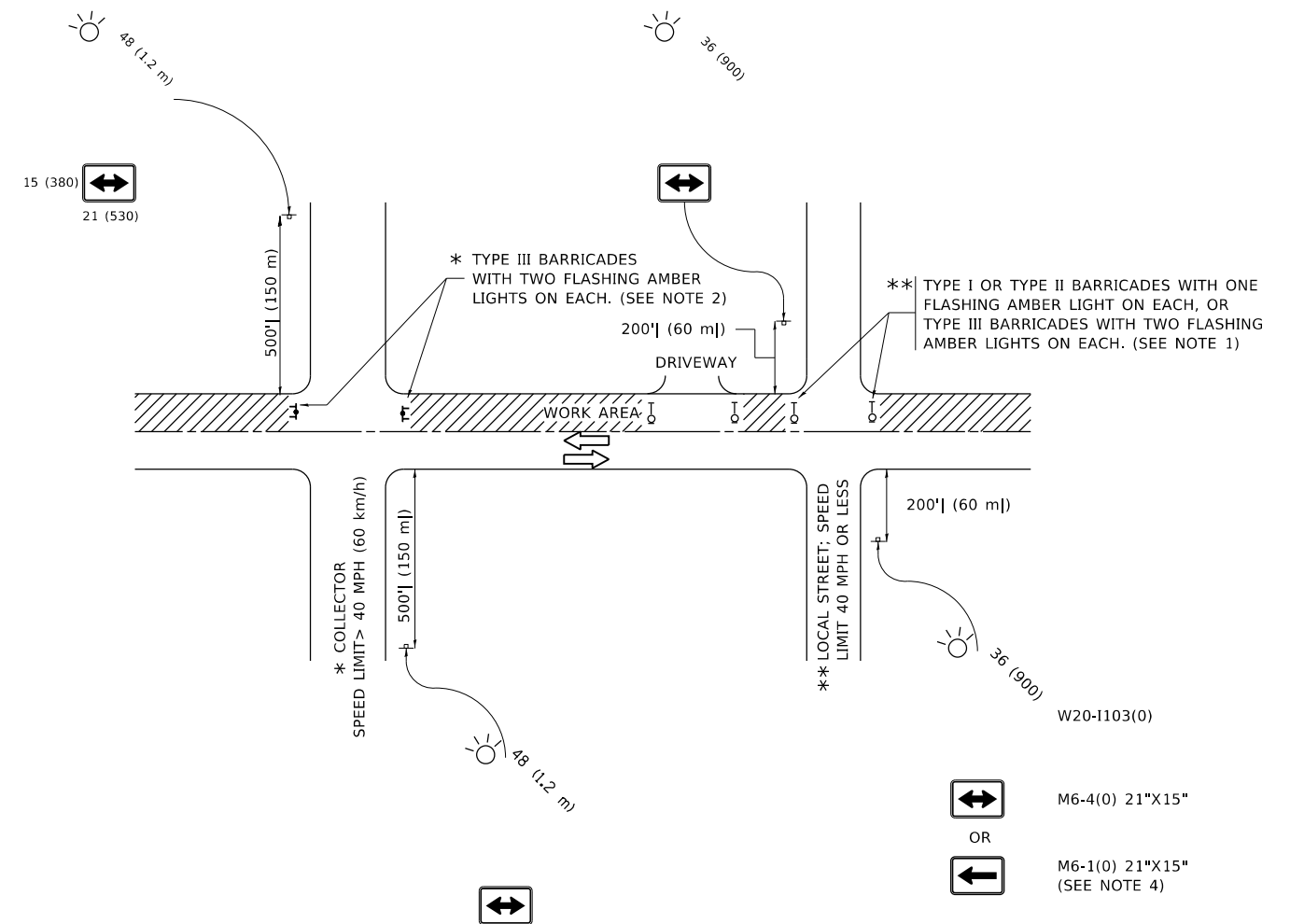
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PLOT DATE = 3/26/2020	DATE - 06-16-04	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BENCHING DETAIL
FOR EMBANKMENT WIDENING**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS-6N-1	COOK	103	76
BD-51		CONTRACT NO. 62A38		
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

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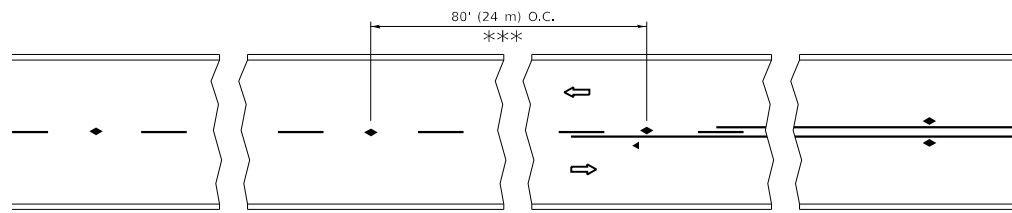
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PLOT DATE = 3/26/2020	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

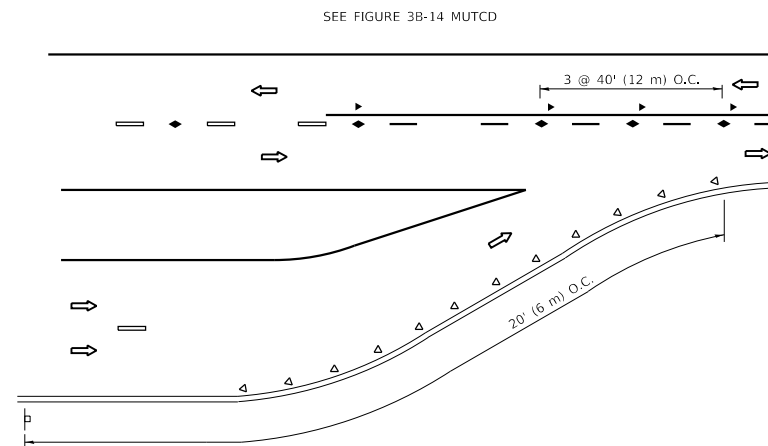
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT				

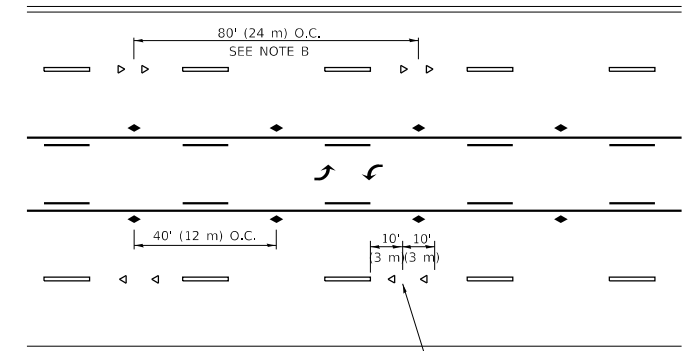


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

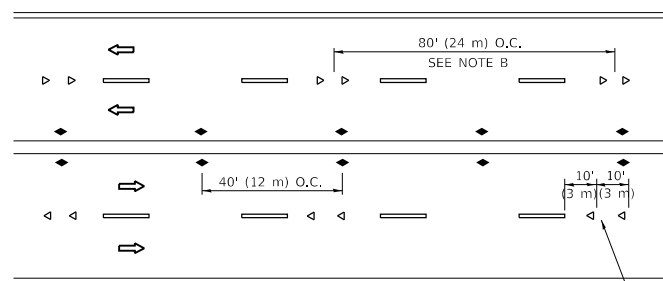
TWO-LANE/TWO-WAY



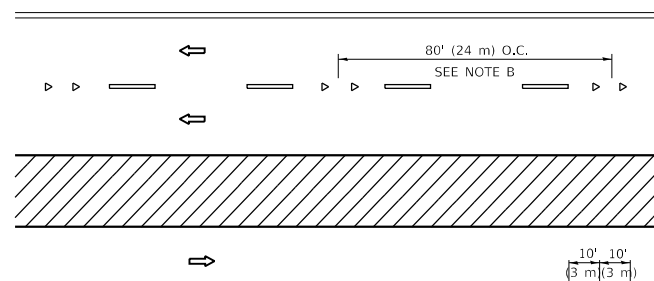
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



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

SYMBOLS

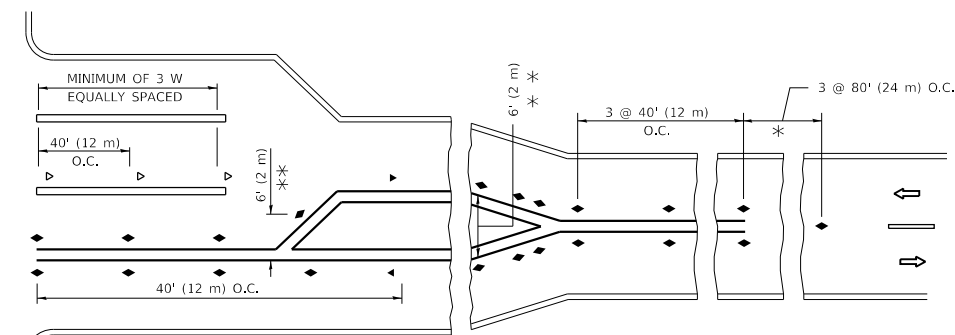
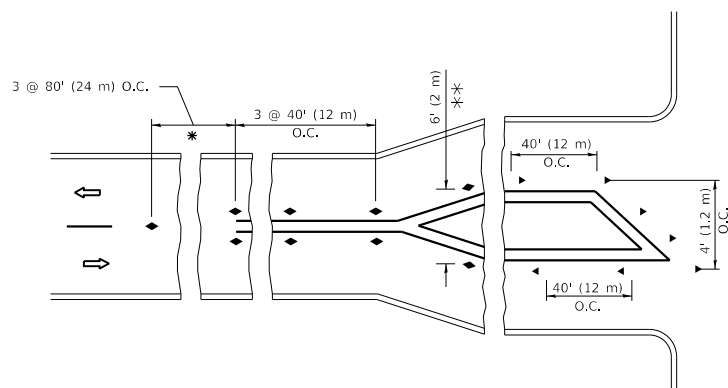
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



TURN LANES

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

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

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PLOT DATE = 3/26/2020	CHECKED -	REVISED - C. JUCIUS 09-09-09
	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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	78
TC-11		CONTRACT NO. 62A38		
		ILLINOIS FED. AID PROJECT		

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

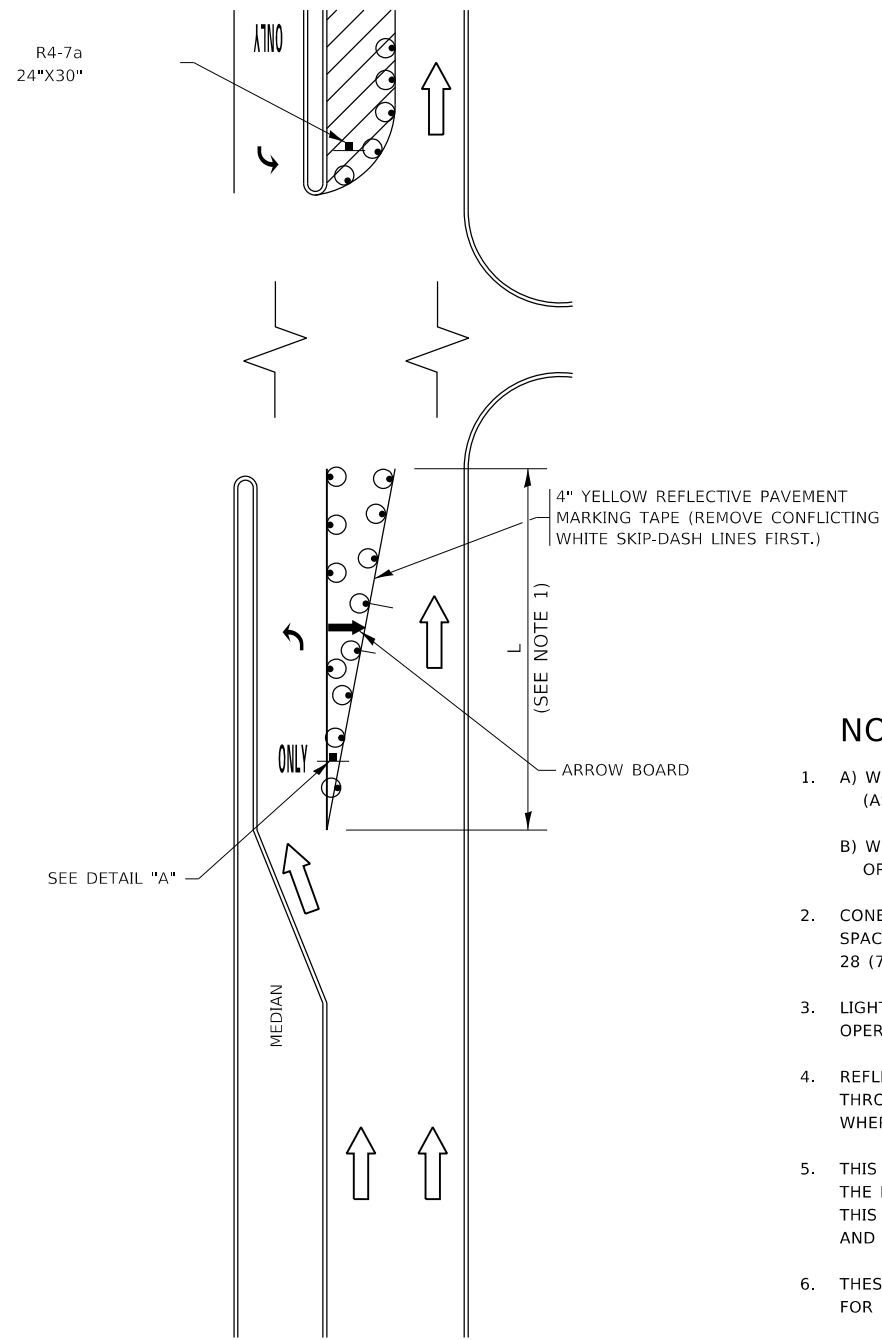
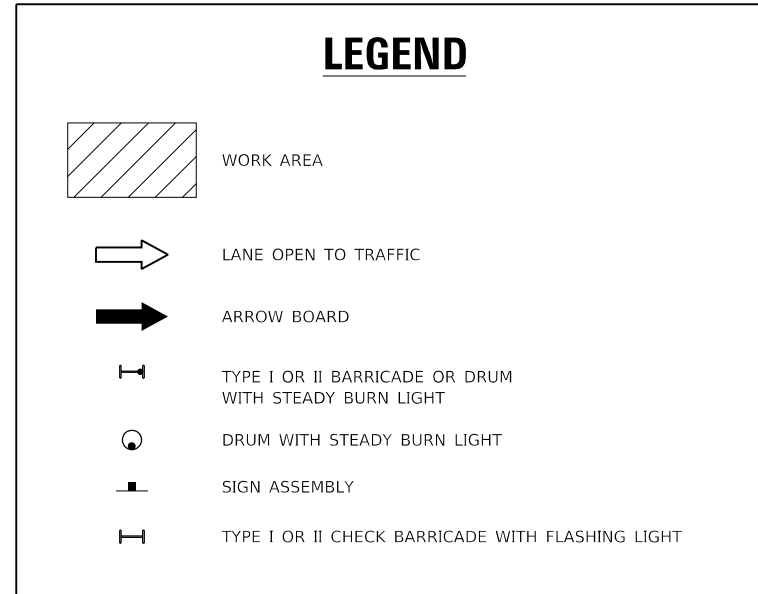


FIGURE 1



NOTES:

1. 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.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

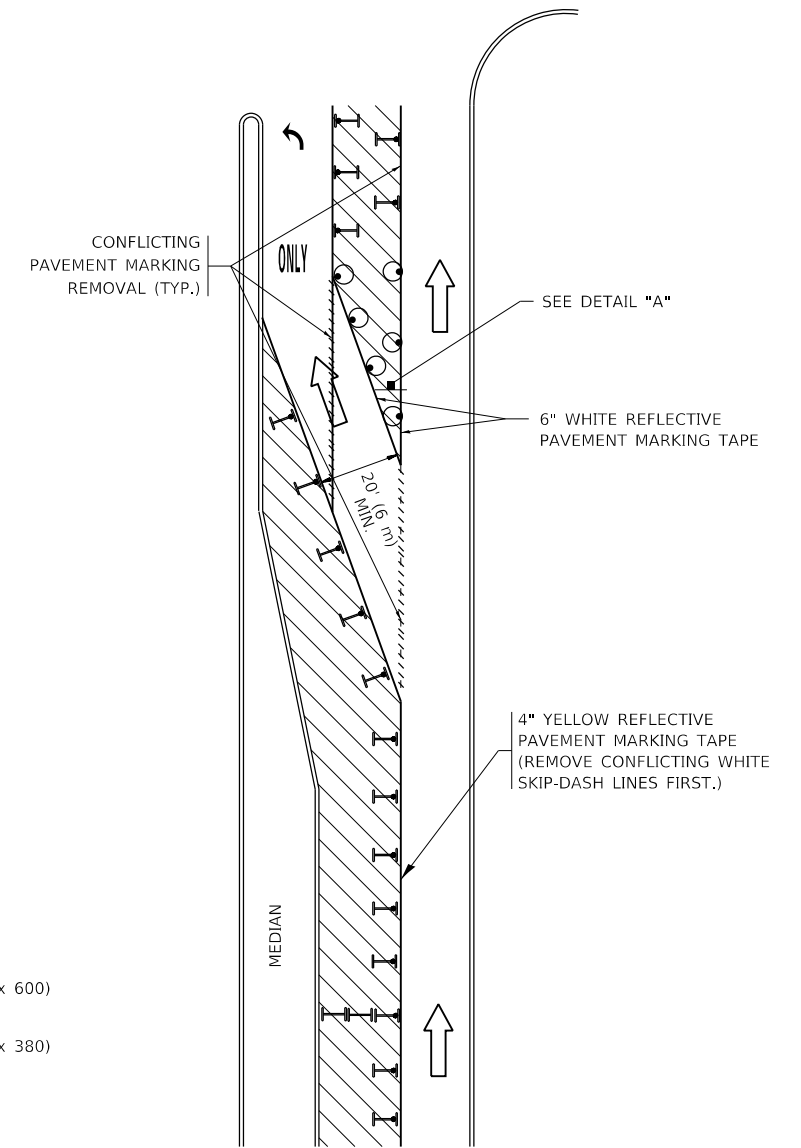
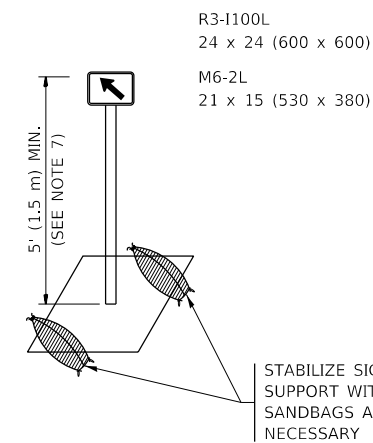


FIGURE 2



DETAIL A

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

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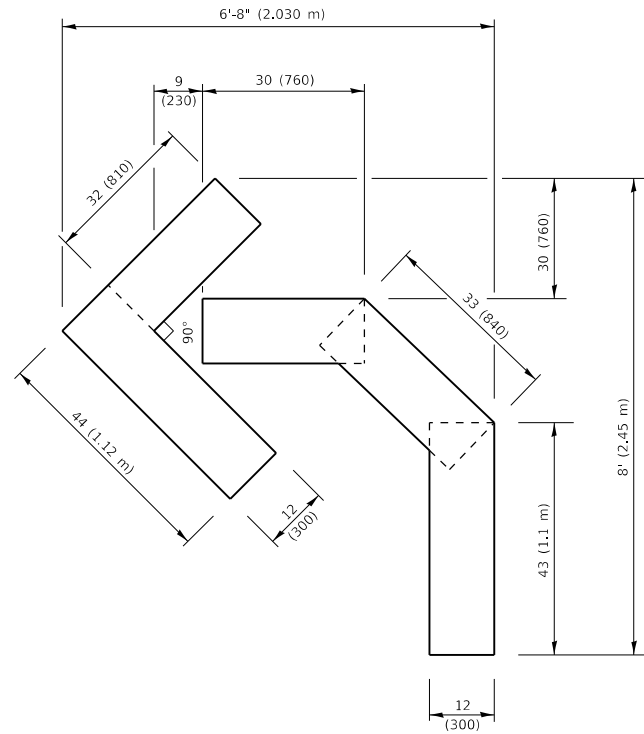
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PLOT SCALE = 100,0000 ' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/26/2020	DATE - T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

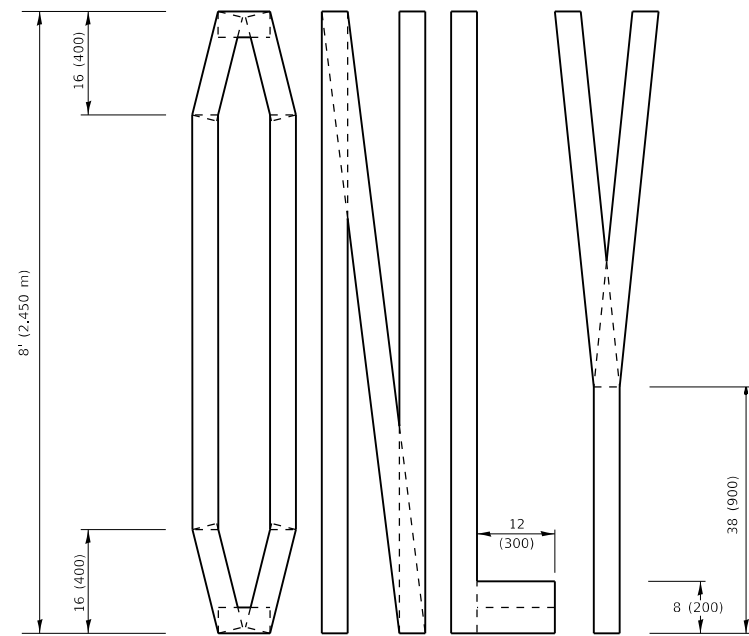
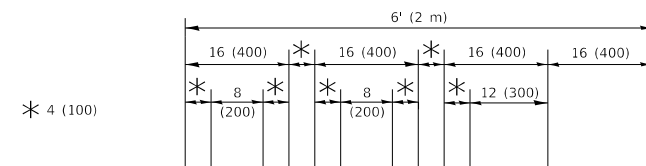
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TC-14		CONTRACT NO. 62A38		
		ILLINOIS FED. AID PROJECT		



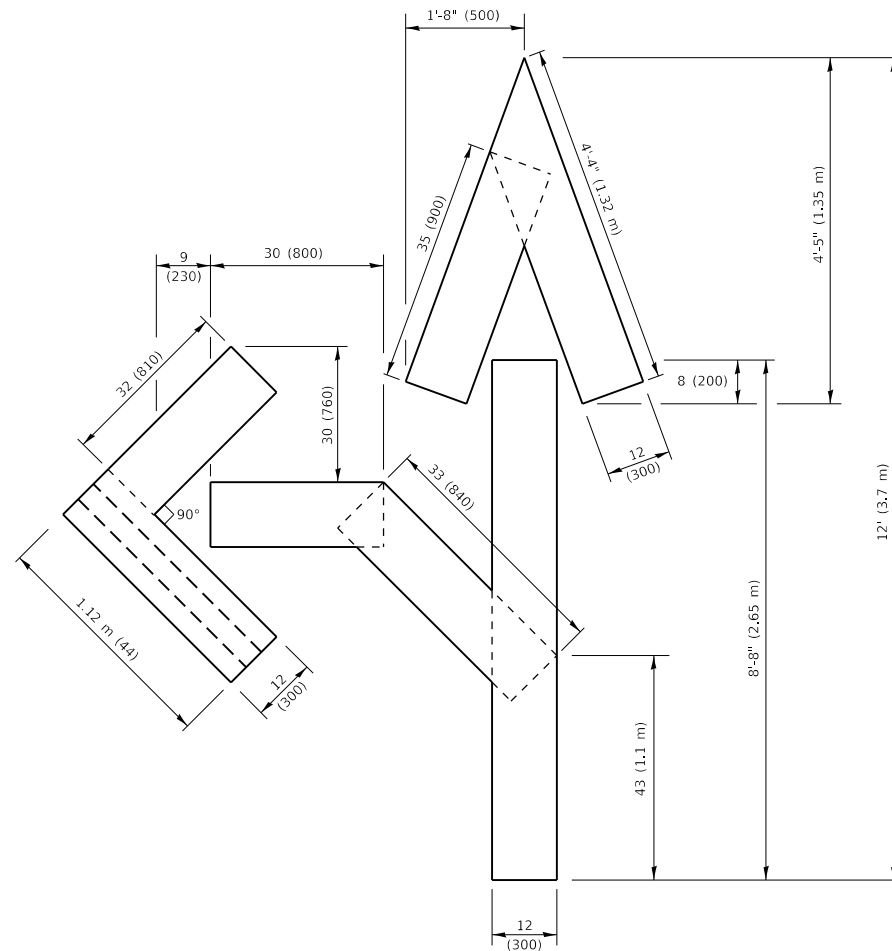
QUANTITY

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



QUANTITY

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

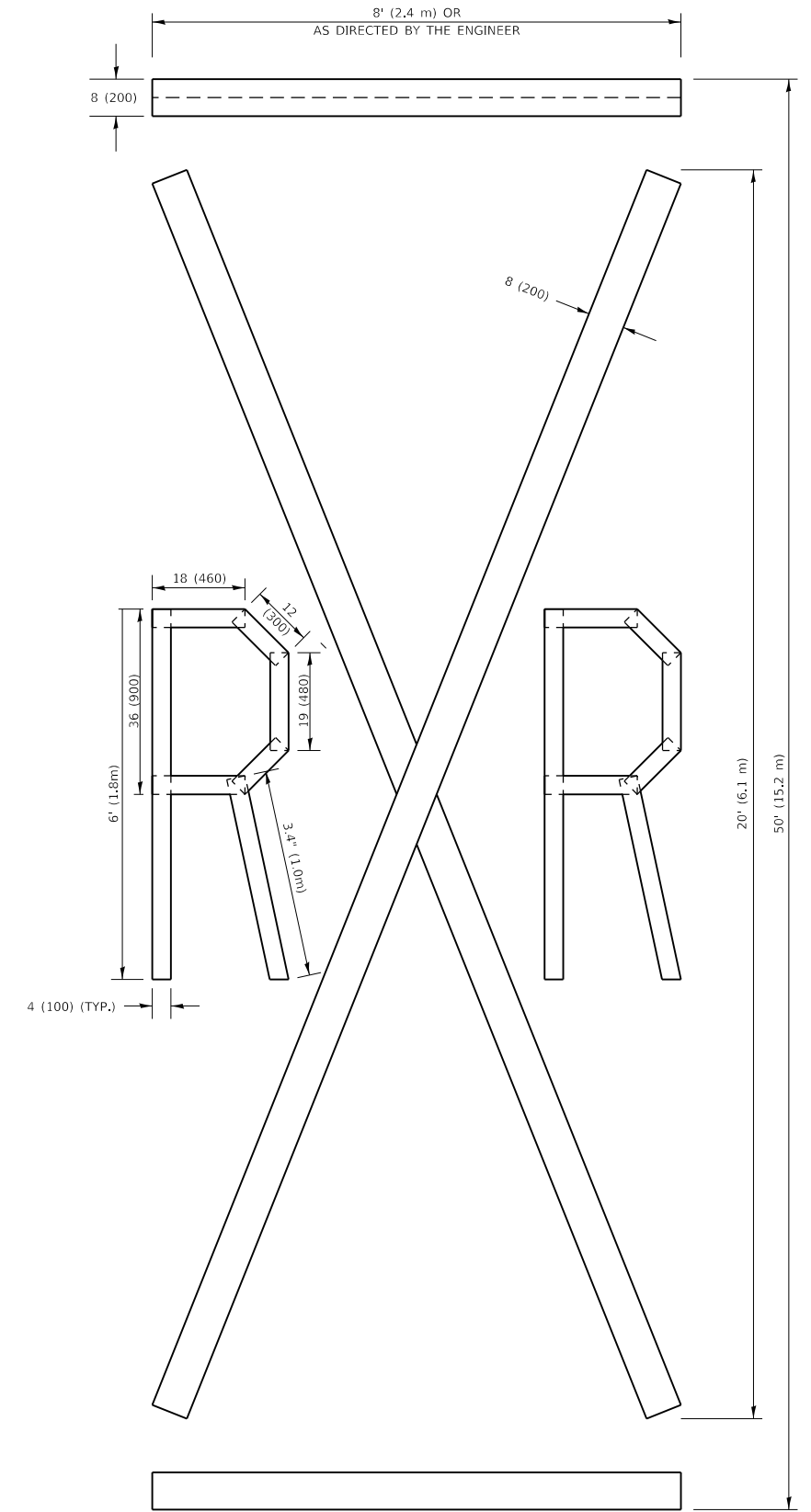


QUANTITY

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

NOTE:

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



QUANTITY

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

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

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PLOT DATE = 3/26/2020	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

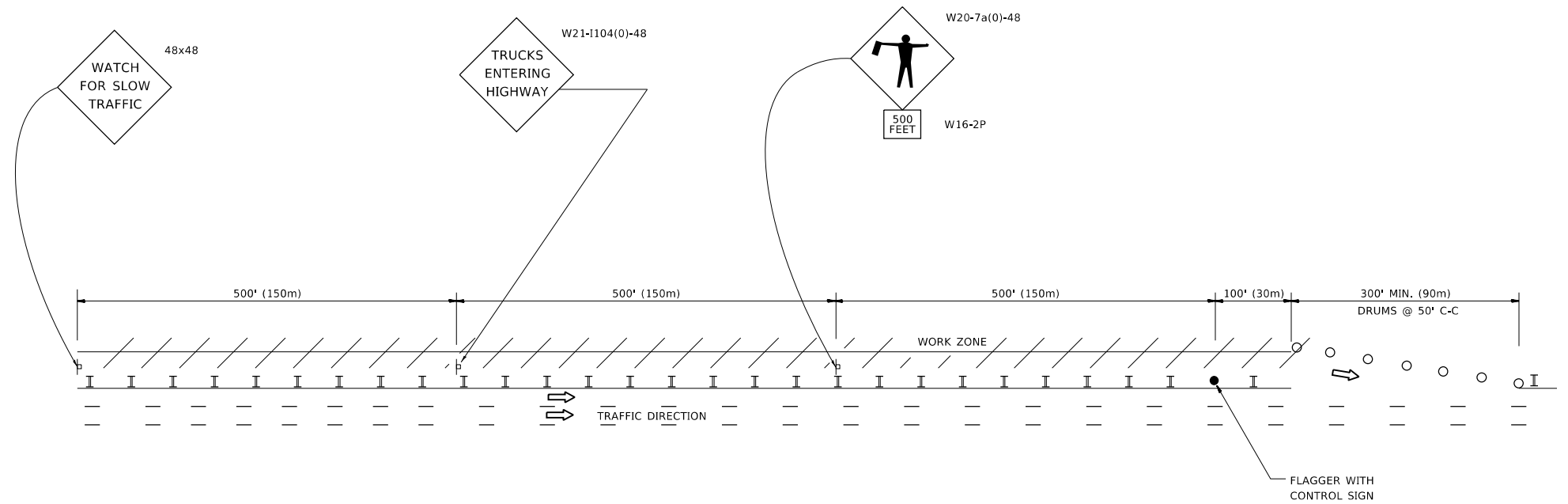
SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

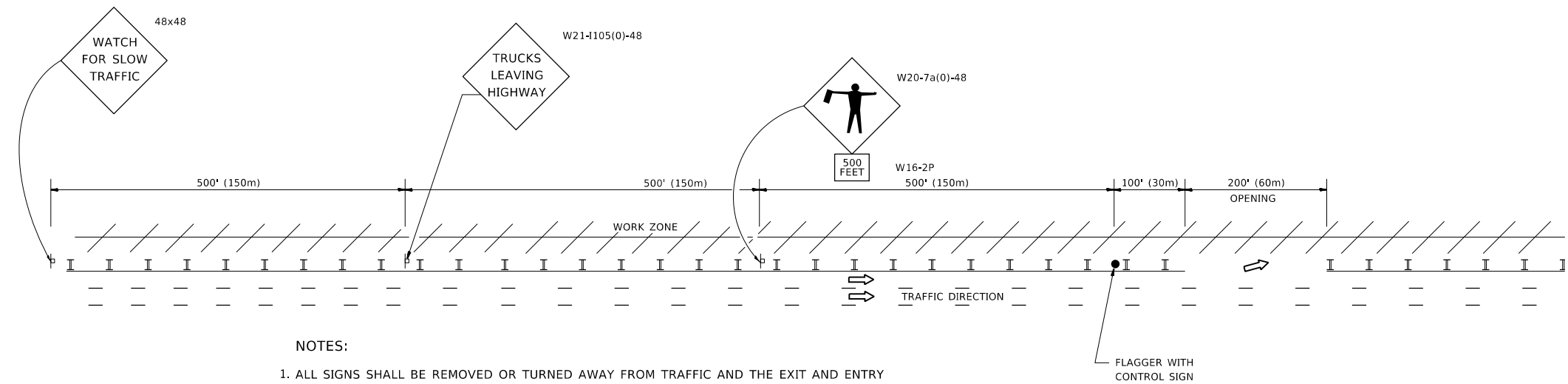
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372	3091-TS&N-1	COOK	103	81
TC-16		CONTRACT NO. 62A38		
ILLINOIS FED. AID PROJECT				

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. ALL SIGNS SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE OPENINGS SHALL BE A MINIMUM OF ONE HALF MILE APART AND A MINIMUM OF ONE QUARTER MILE FROM ALL ENTRANCE AND EXIT RAMP.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS
5. FLAGGERS SHALL NOT STOP TRAFFIC OR DIRECT TRAFFIC INTO AN ADJACENT LANE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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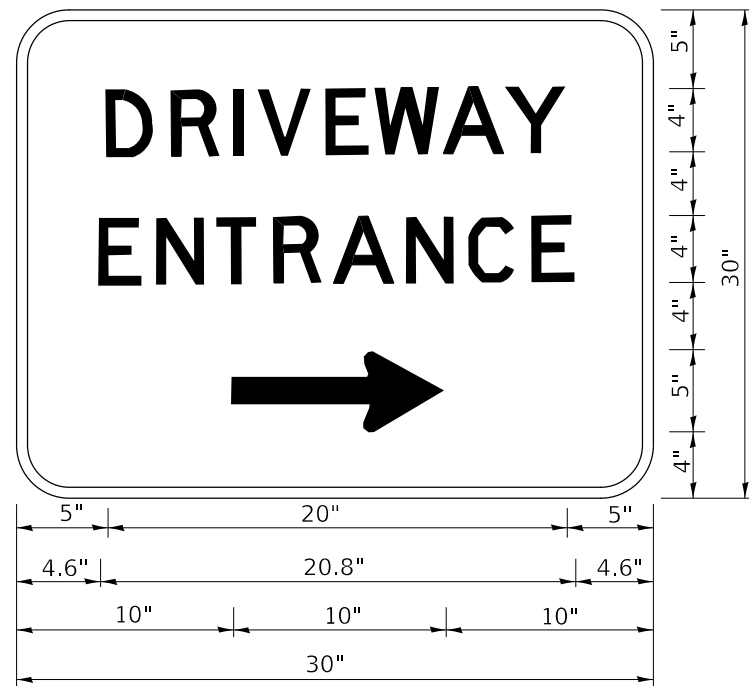
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	DATE -	REVISED - M.D.06-13

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FREEWAY /EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS
AT WORK ZONE OPENINGS ON FREEWAYS /EXPRESSWAYS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	82
TC-18			CONTRACT NO. 62A38	
ILLINOIS		FED. AID PROJECT		



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".

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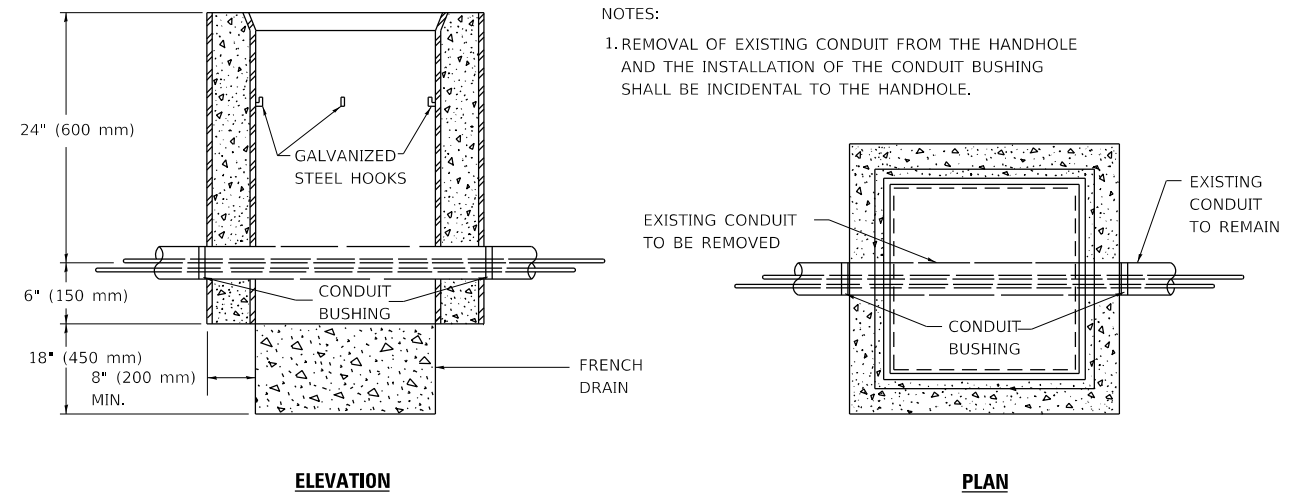
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-T5&N-1	COOK	103	83
TC-26		CONTRACT NO. 62A38		
		ILLINOIS	FED. AID PROJECT	



NOTES:

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

DETAIL

HANDHOLE TO INTERCEPT EXISTING CONDUIT

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

HANDHOLE TO INTERCEPT EXISTING CONDUIT

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	85
TS-03		CONTRACT NO. 62A38		
ILLINOIS		FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

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

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

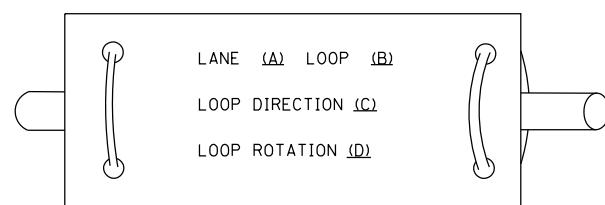
DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET 1	OF 7 SHEETS	STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TS-05		CONTRACT NO. 62A38		
ILLINOIS FED. AID PROJECT				

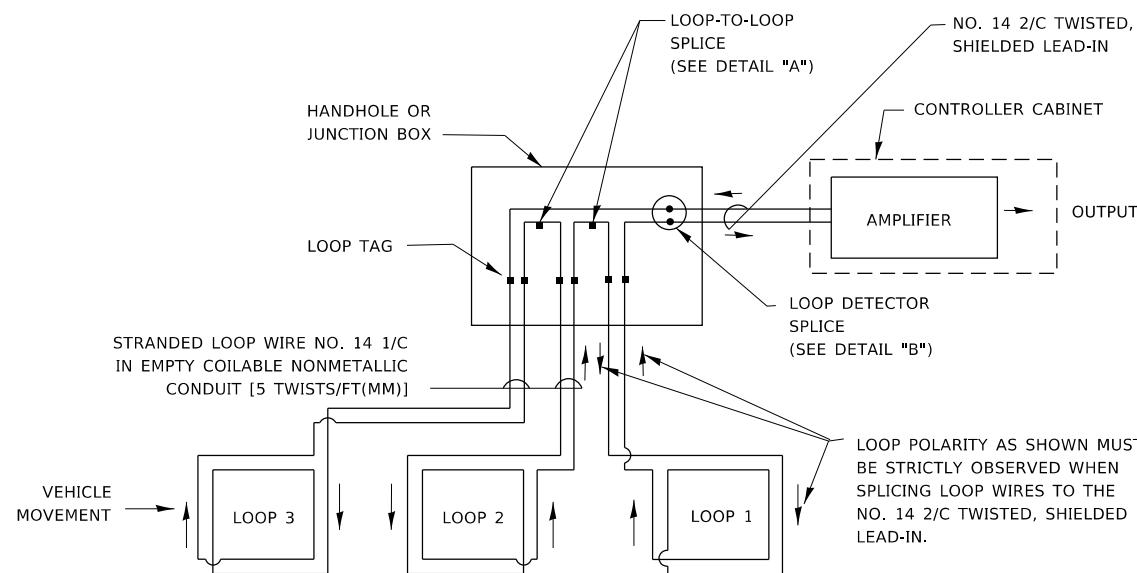
LOOP DETECTOR NOTES

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

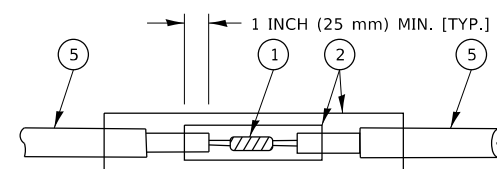


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

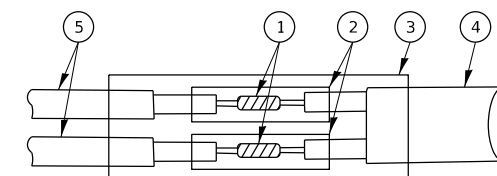


DETECTOR LOOP WIRING SCHEMATIC

- 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.

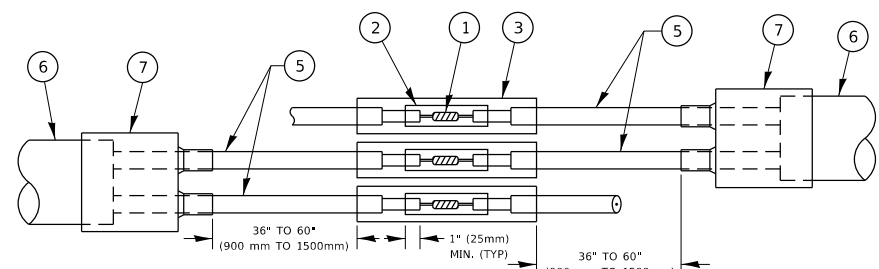


DETAIL "A"
LOOP-TO-LOOP SPLICE

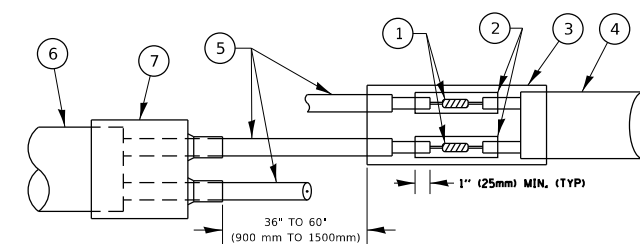


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

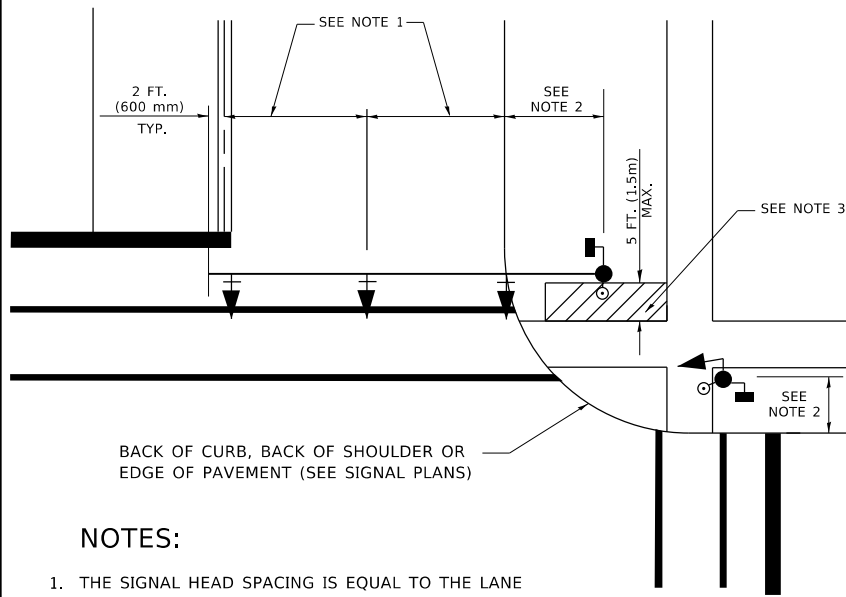
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	87
TS-05		CONTRACT NO. 62A38		
ILLINOIS		FED. AID PROJECT		

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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.

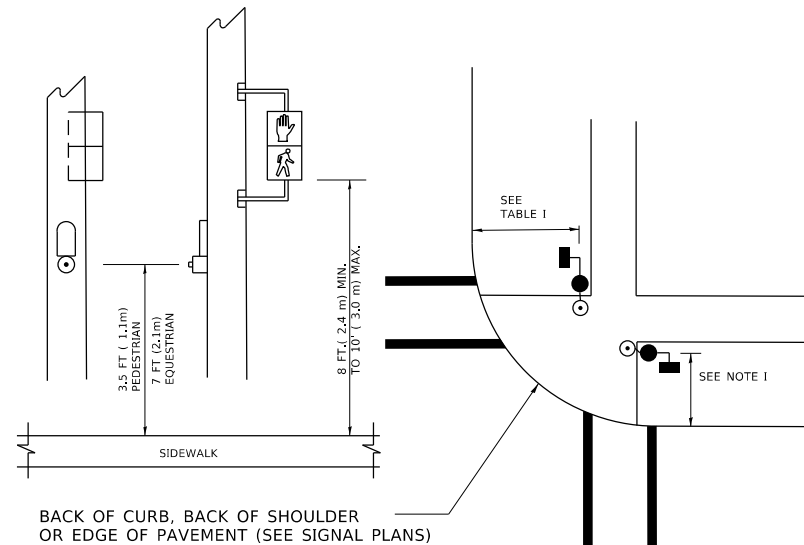


BACK OF CURB, BACK OF SHOULDER OR EDGE OF PAVEMENT (SEE SIGNAL PLANS)

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

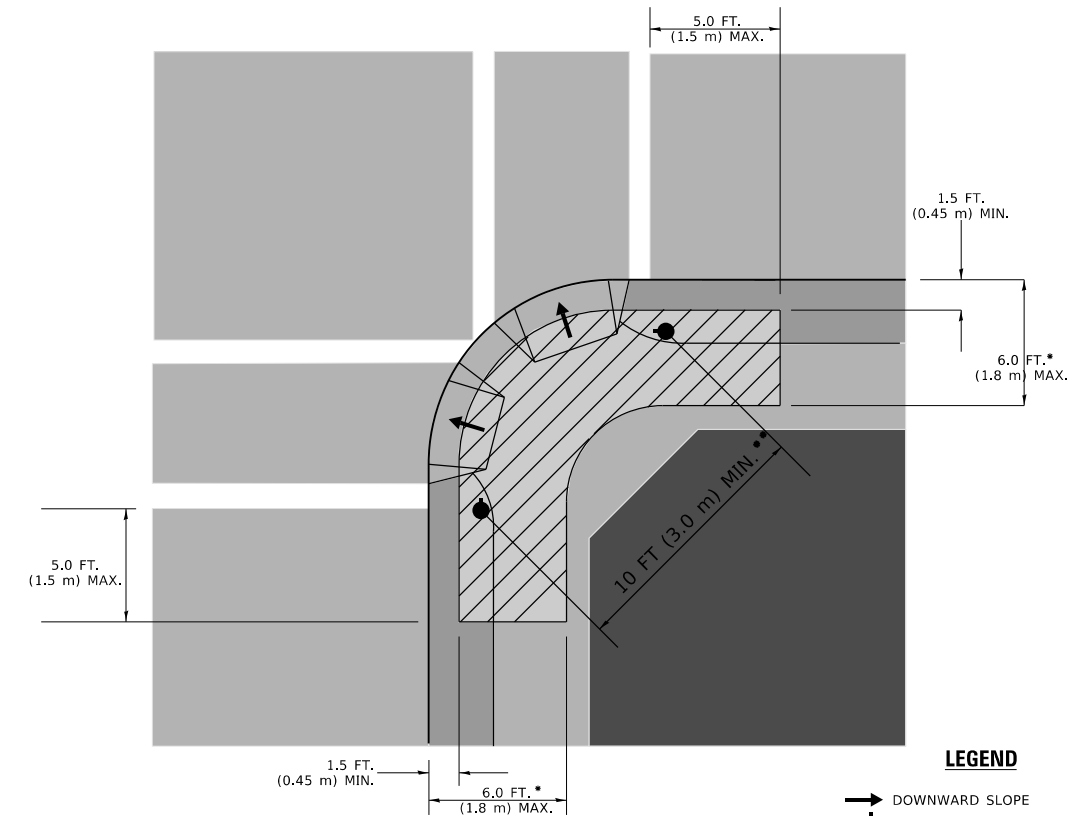


BACK OF CURB, BACK OF SHOULDER OR EDGE OF PAVEMENT (SEE SIGNAL PLANS)

NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

- * WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- ** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) 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 TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

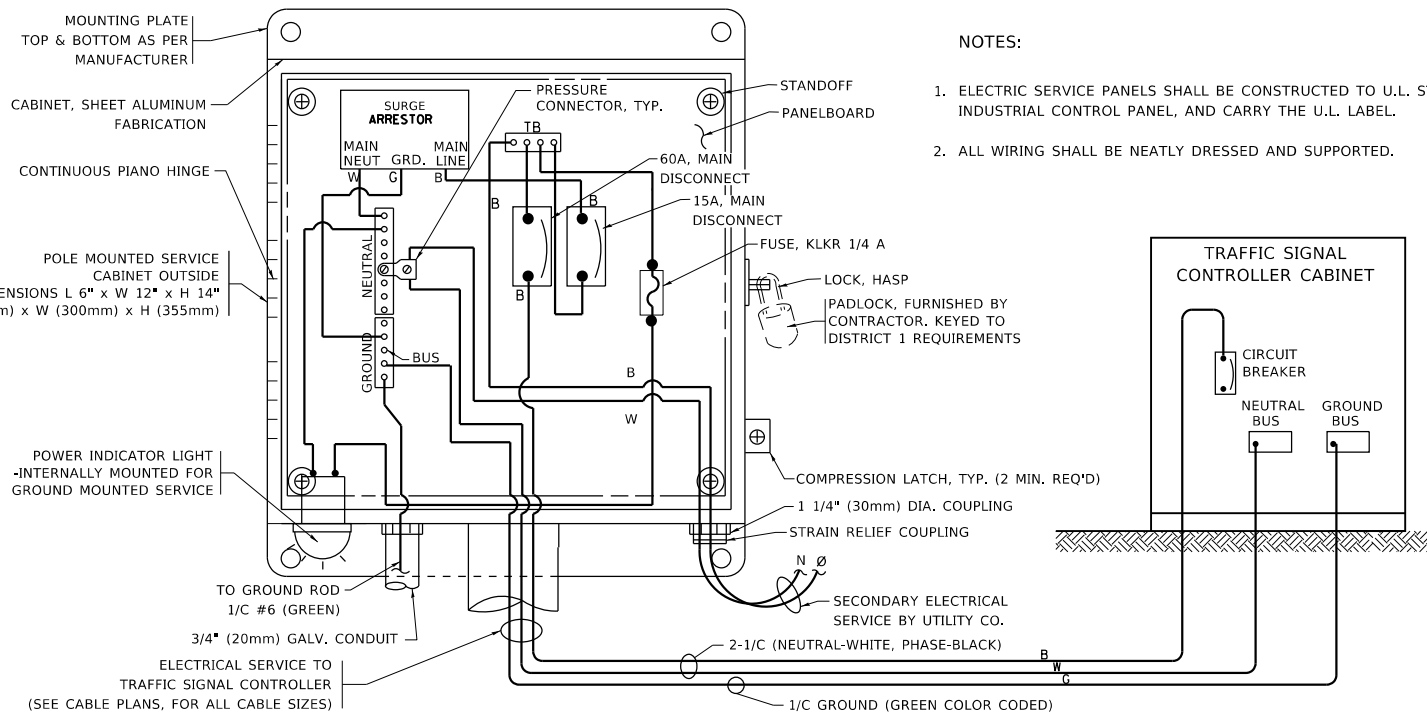
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 3 OF 7 SHEETS STA. TO STA.

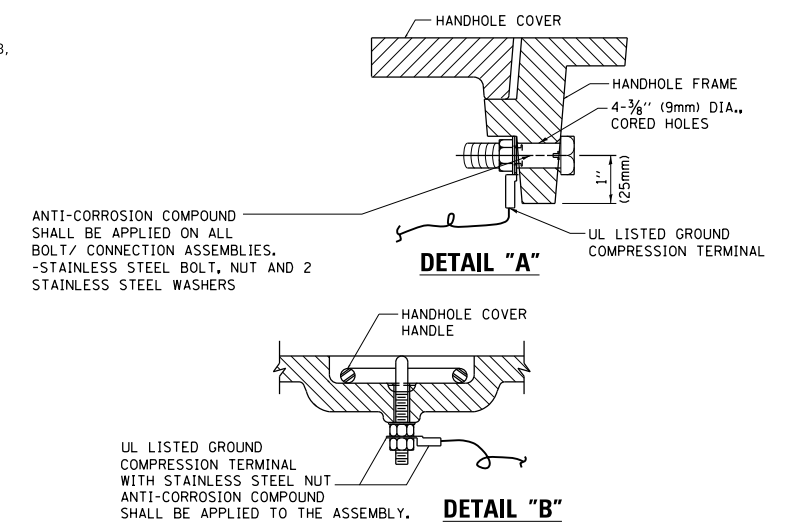
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TS-05		CONTRACT NO. 62A38		
ILLINOIS FED. AID PROJECT				

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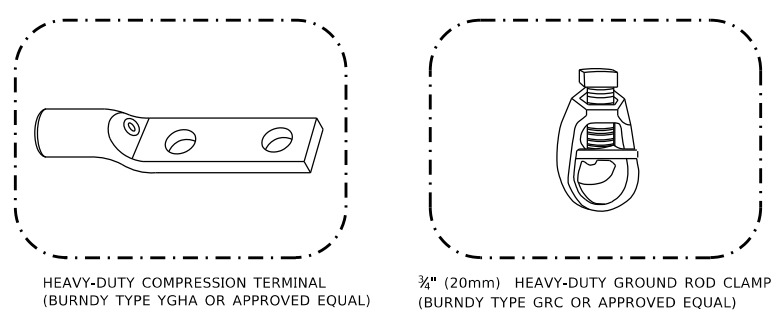
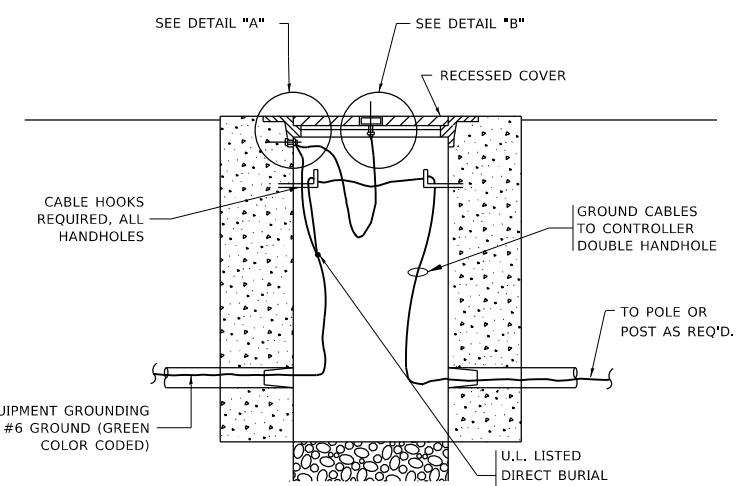
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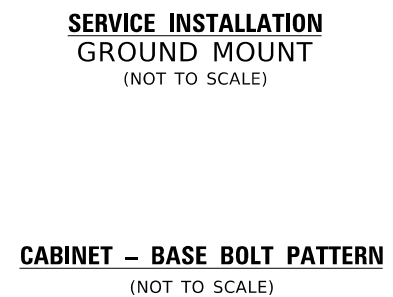
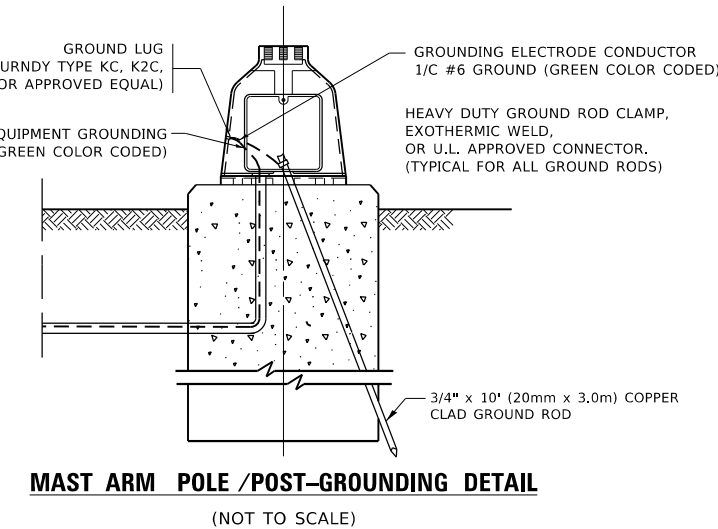
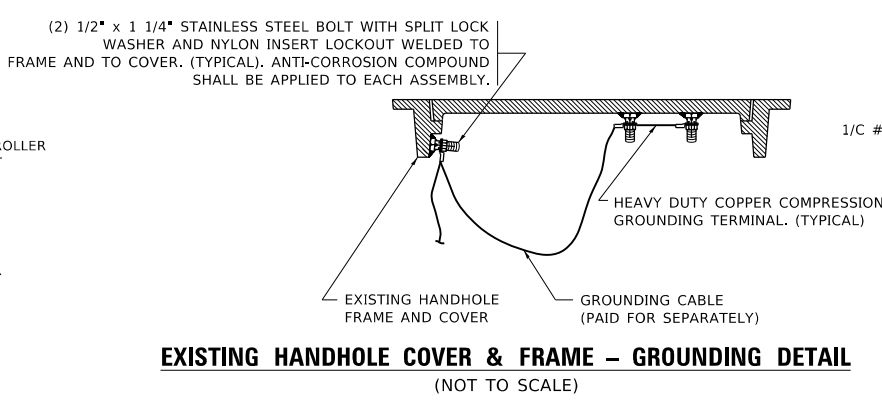
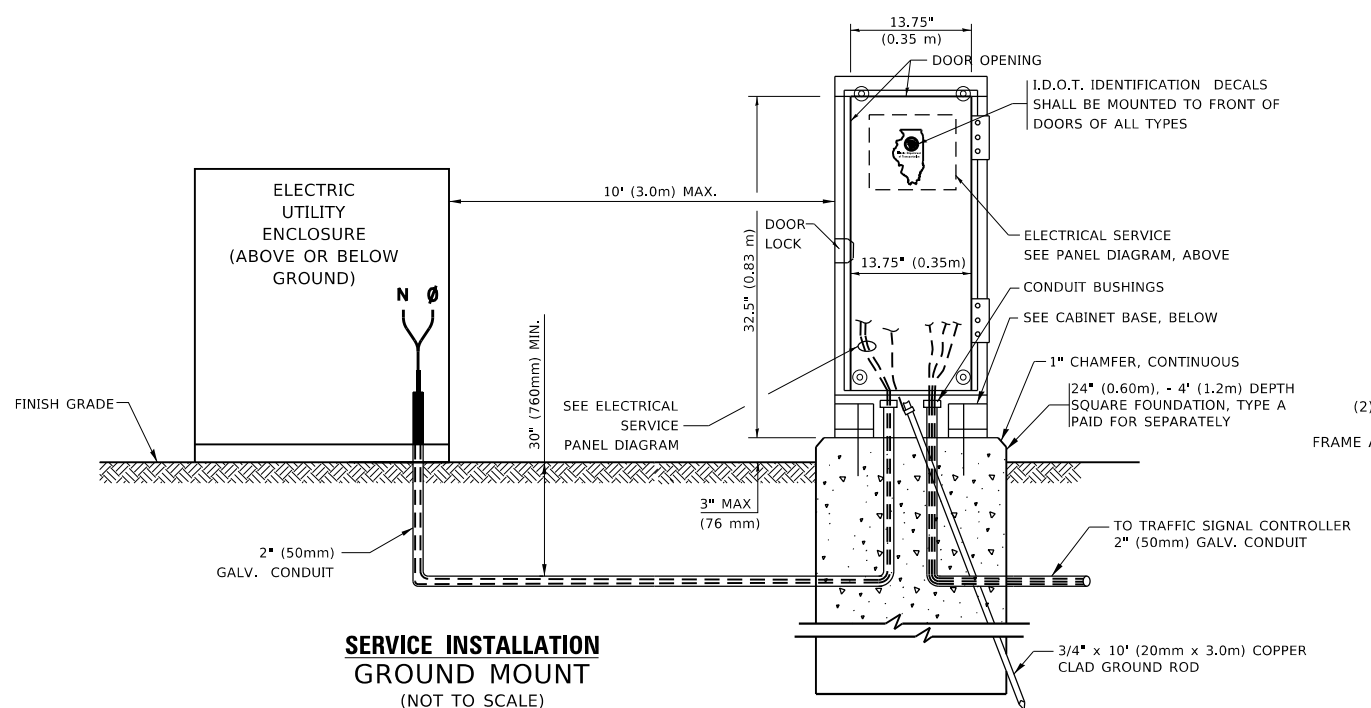
ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



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



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



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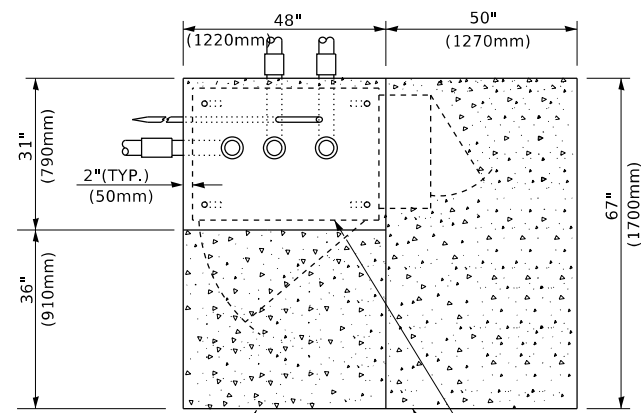
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

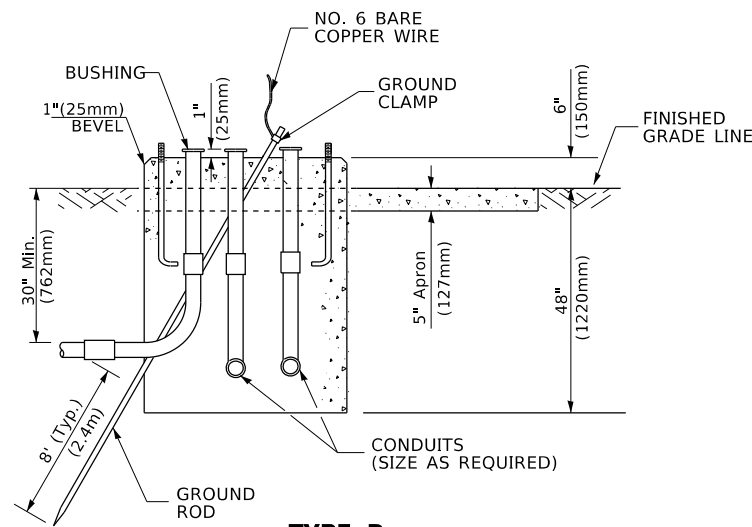
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 STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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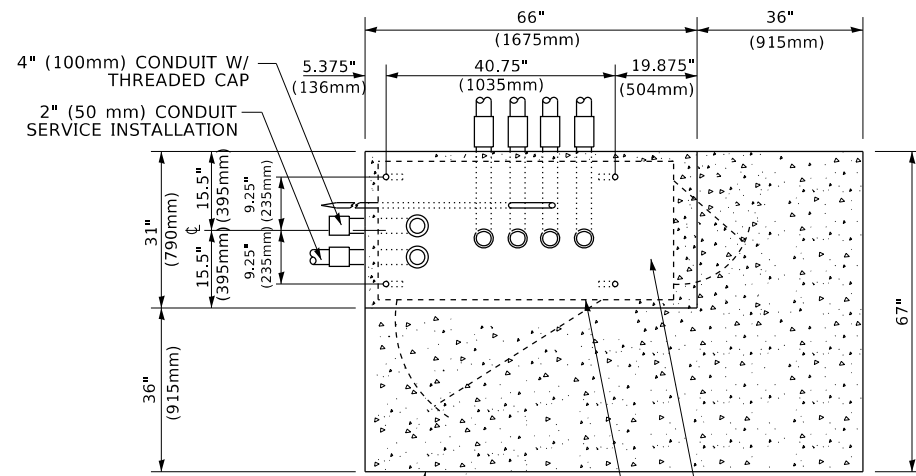
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372	3091-TS&N-1	COOK	103	89
TS-05		CONTRACT NO. 62A38		
ILLINOIS FED. AID PROJECT				



TOP VIEW



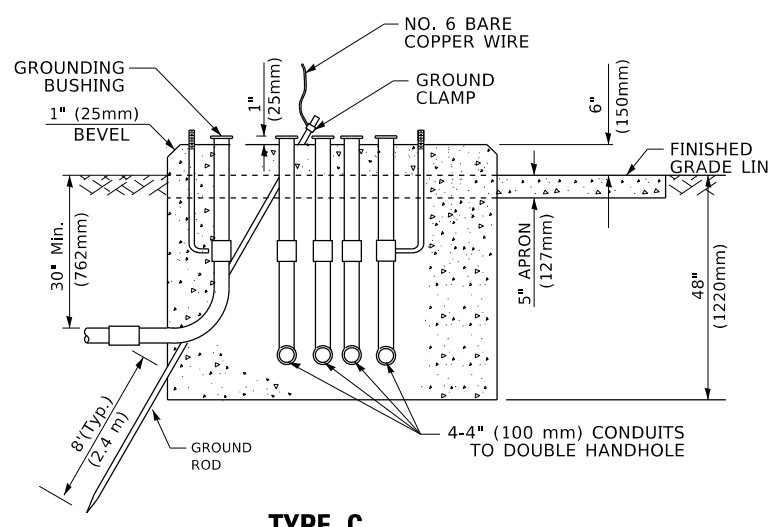
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



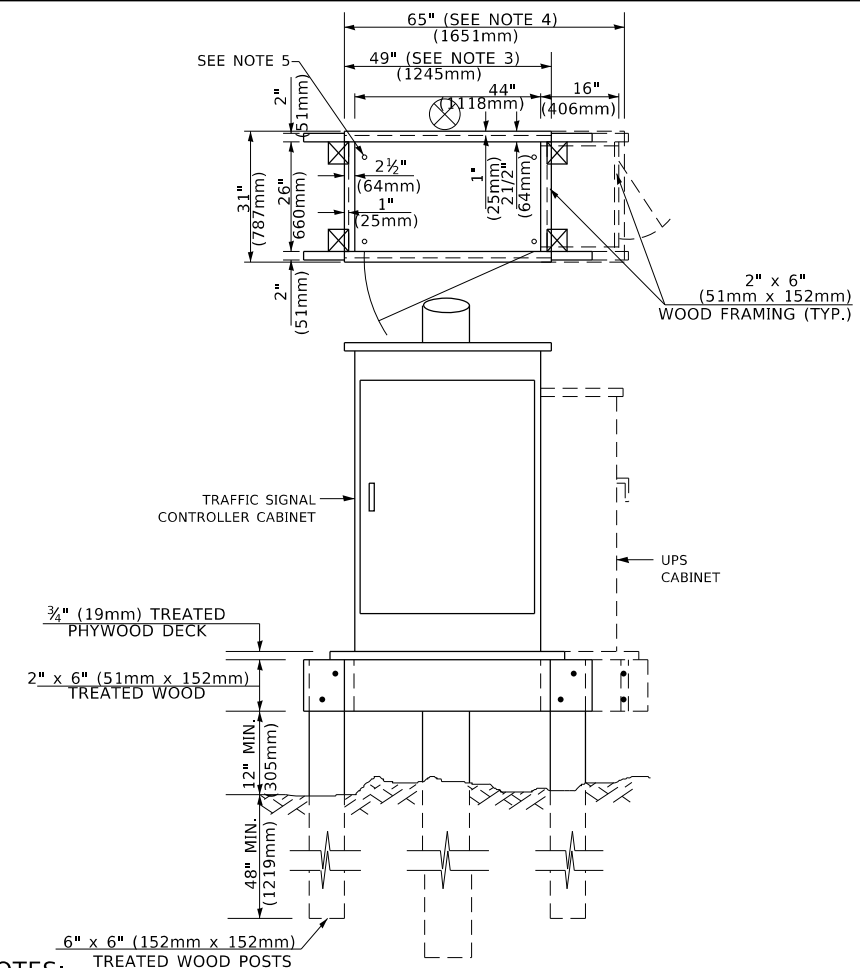
TOP VIEW

NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



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



NOTES:

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

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

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

NOTES:

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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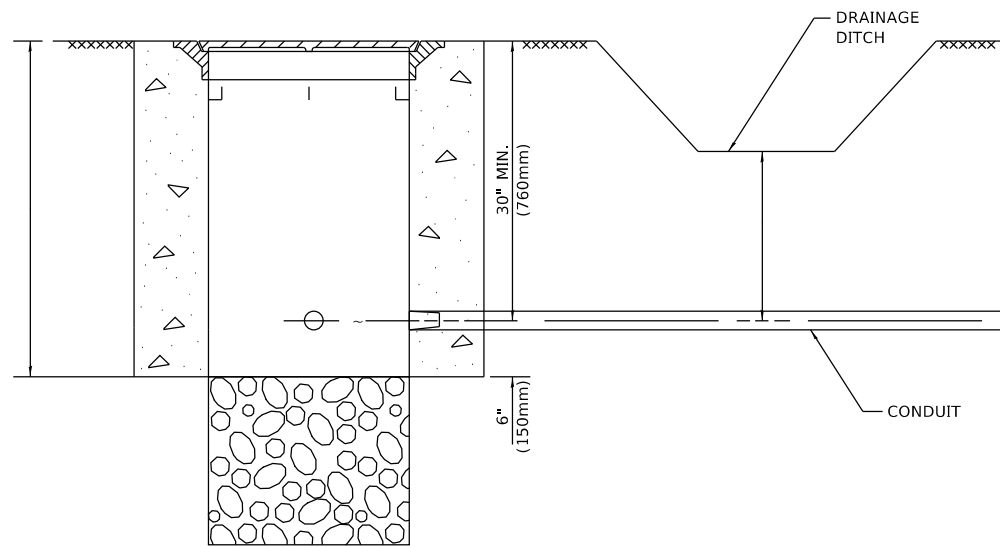
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 5 OF 7 SHEETS STA. TO STA.

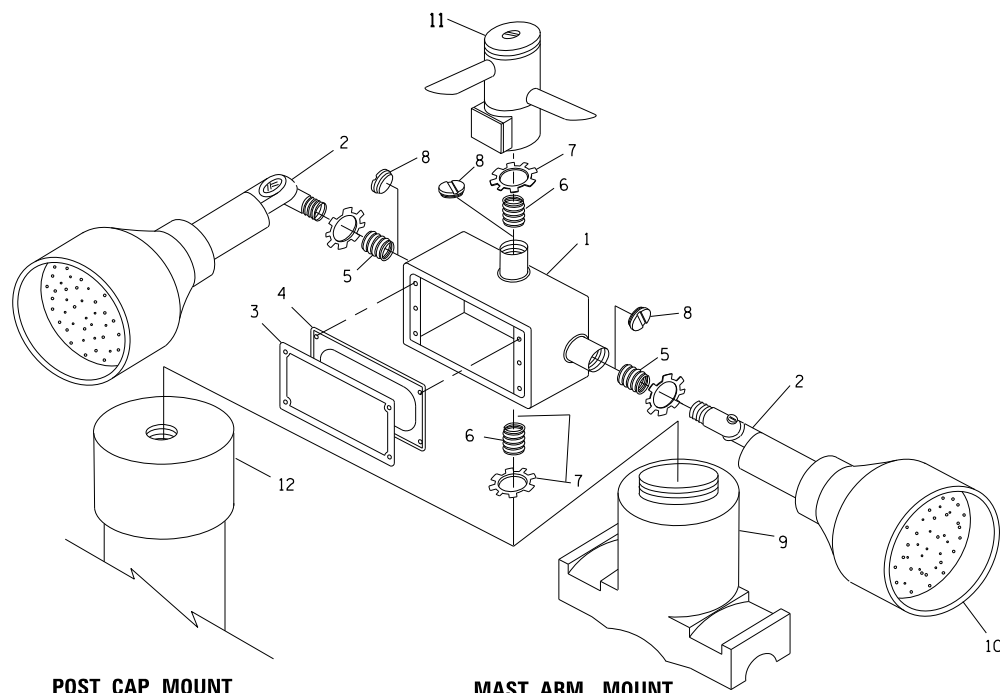
F.A.P. RTE. 372	SECTION 3091-TS&N-1	COUNTY COOK	TOTAL SHEETS 103	SHEET NO. 90
TS-05		CONTRACT NO. 62A38		
		ILLINOIS FED. AID PROJECT		



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)

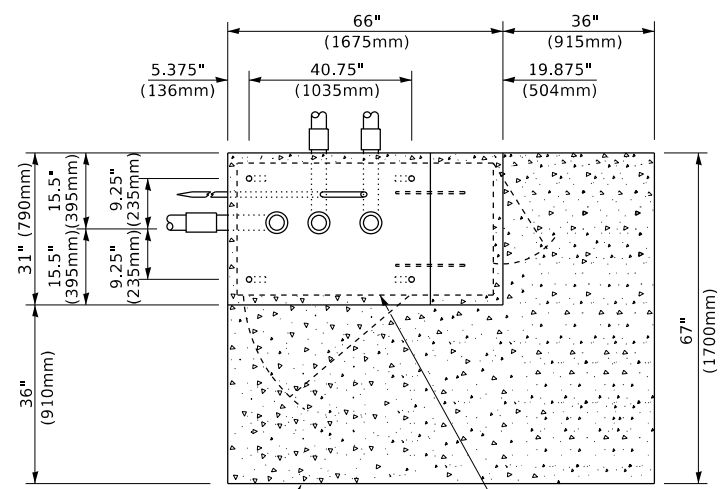


POST CAP MOUNT **MAST ARM MOUNT**
EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION
BEACON MOUNTING DETAIL

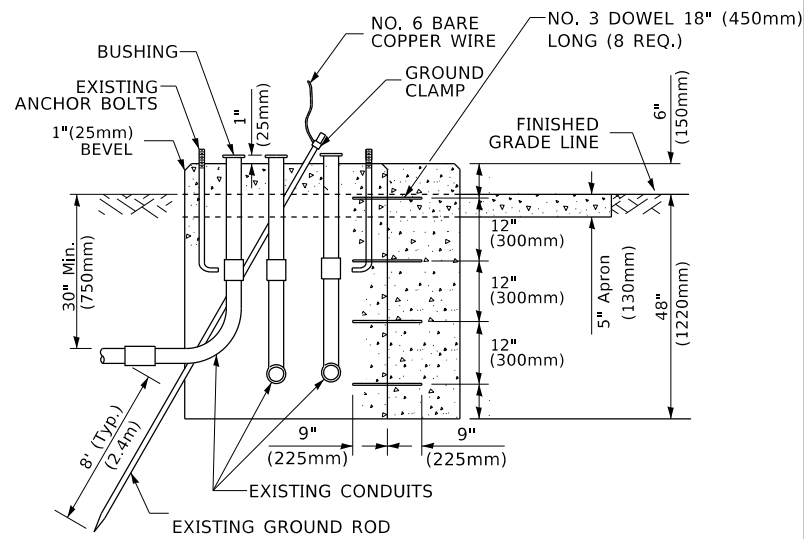
ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0,000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

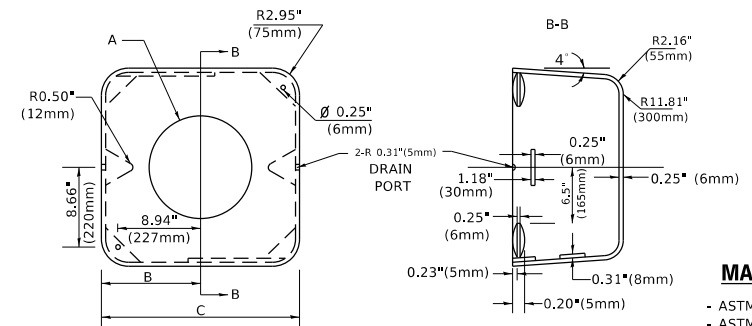
1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE 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.



TOP VIEW
(NOT TO SCALE)



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



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

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

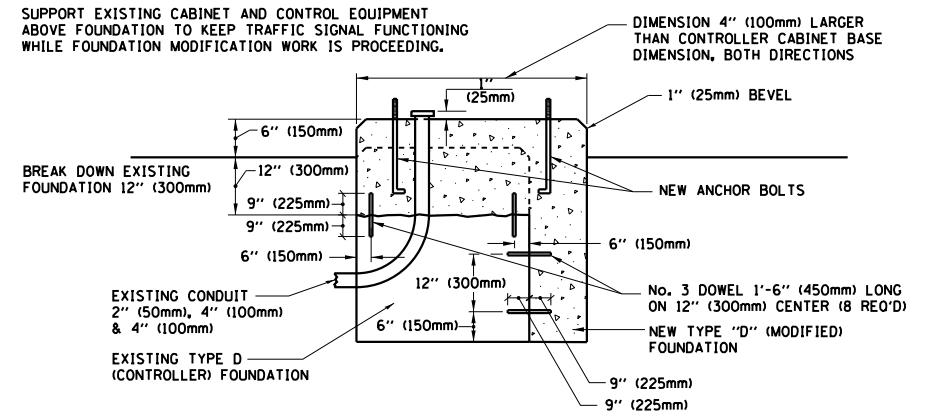
SHROUD

NOTES:

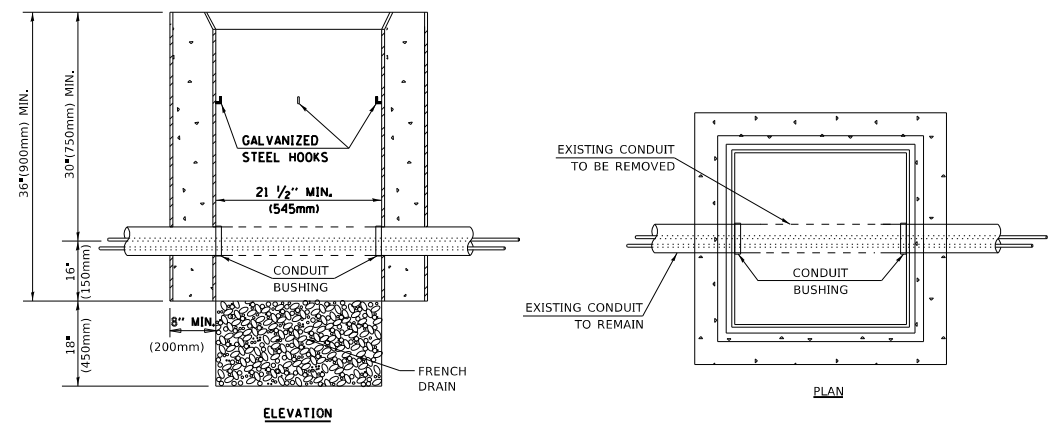
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

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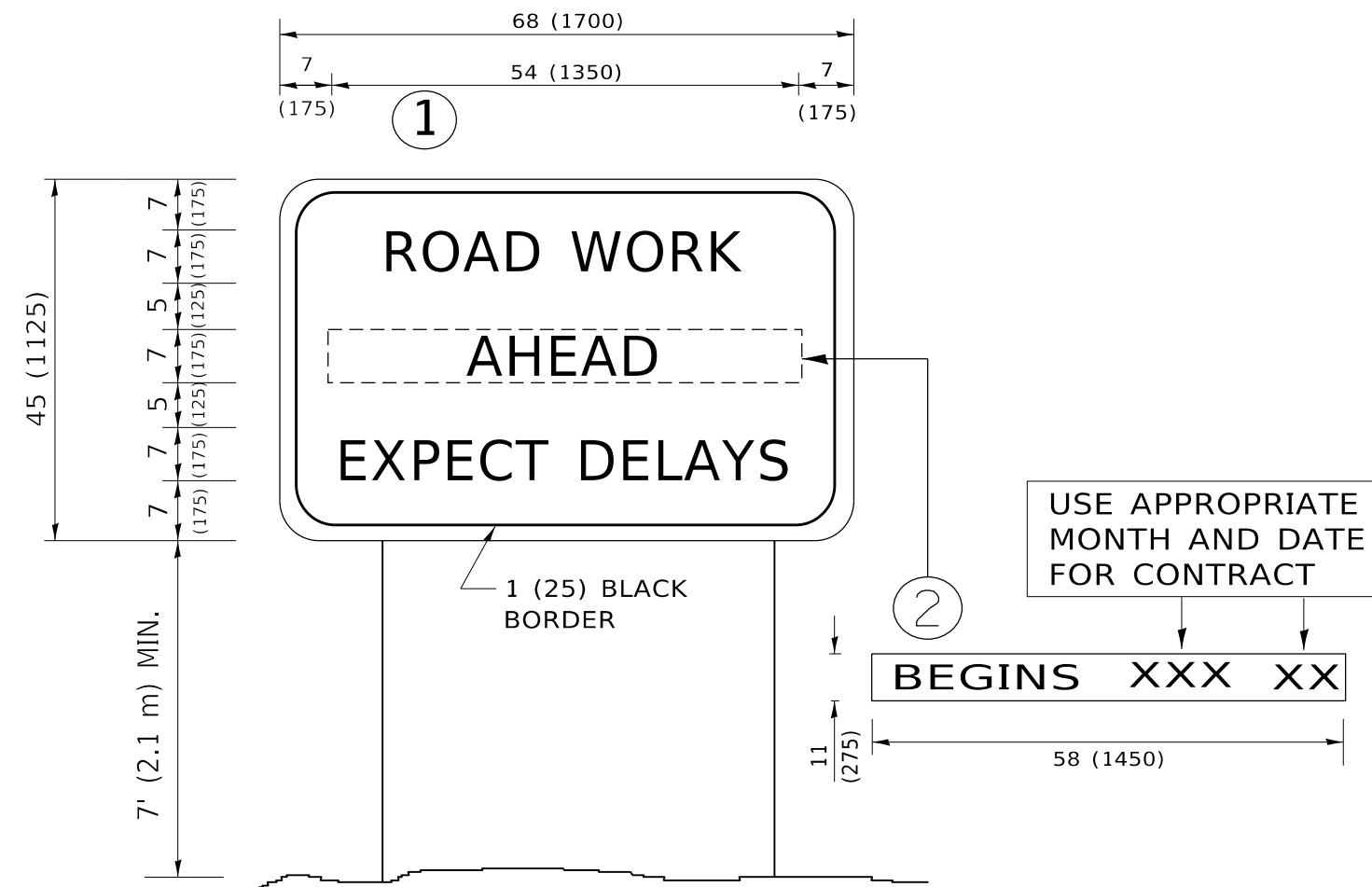
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-TS&N-1	COOK	103	91
TS-05		CONTRACT NO. 62A38		
ILLINOIS / FED. AID PROJECT				



NOTES:

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

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

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	DRAWN -	REVISED - R. MIRS 12-11-97
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PLOT DATE = 3/26/2020	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

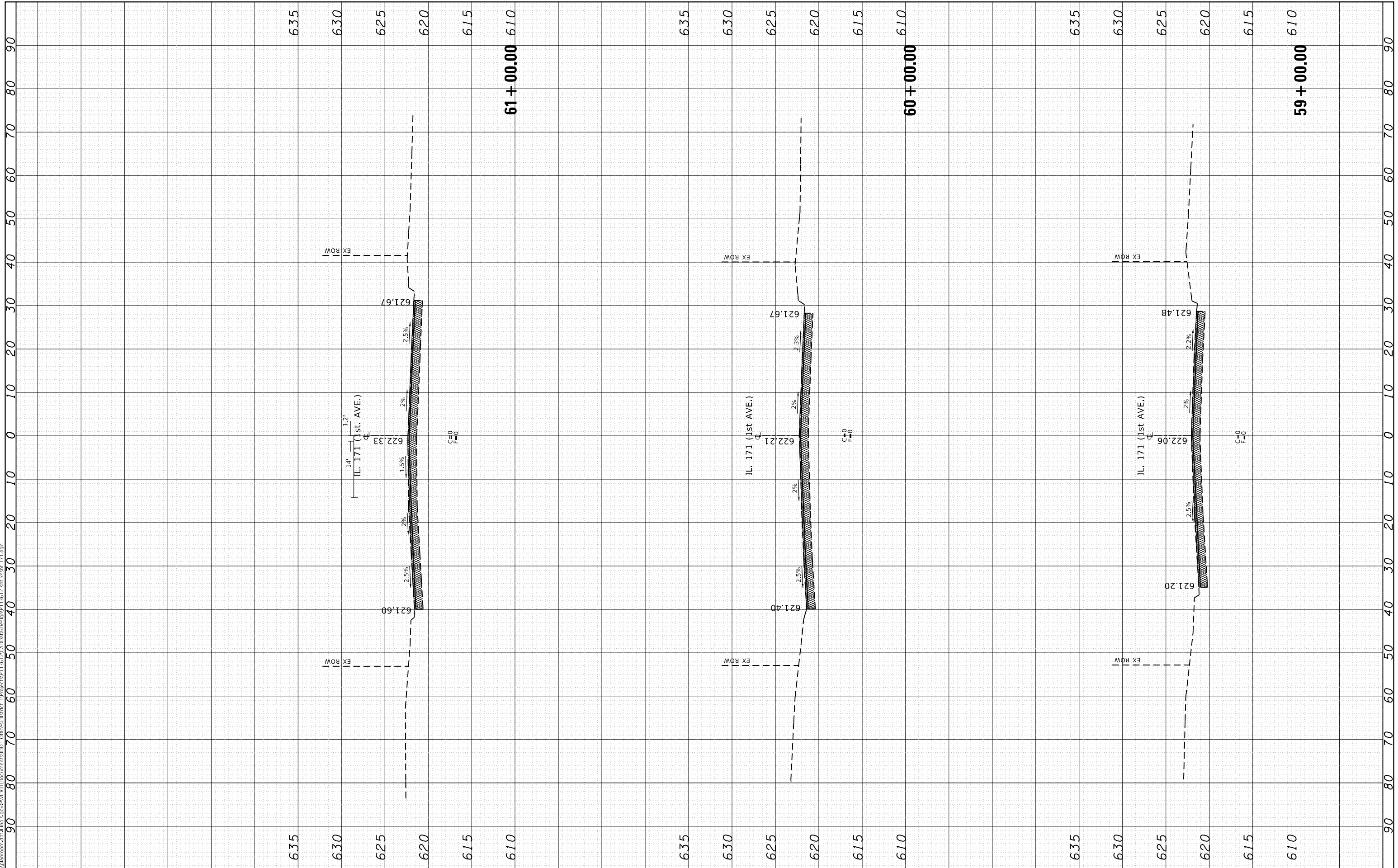
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	3091-T5&N-1	COOK	103	93
TC-22		CONTRACT NO. 62A38		
ILLINOIS FED. AID PROJECT				

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NOTE BOOK	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

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

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

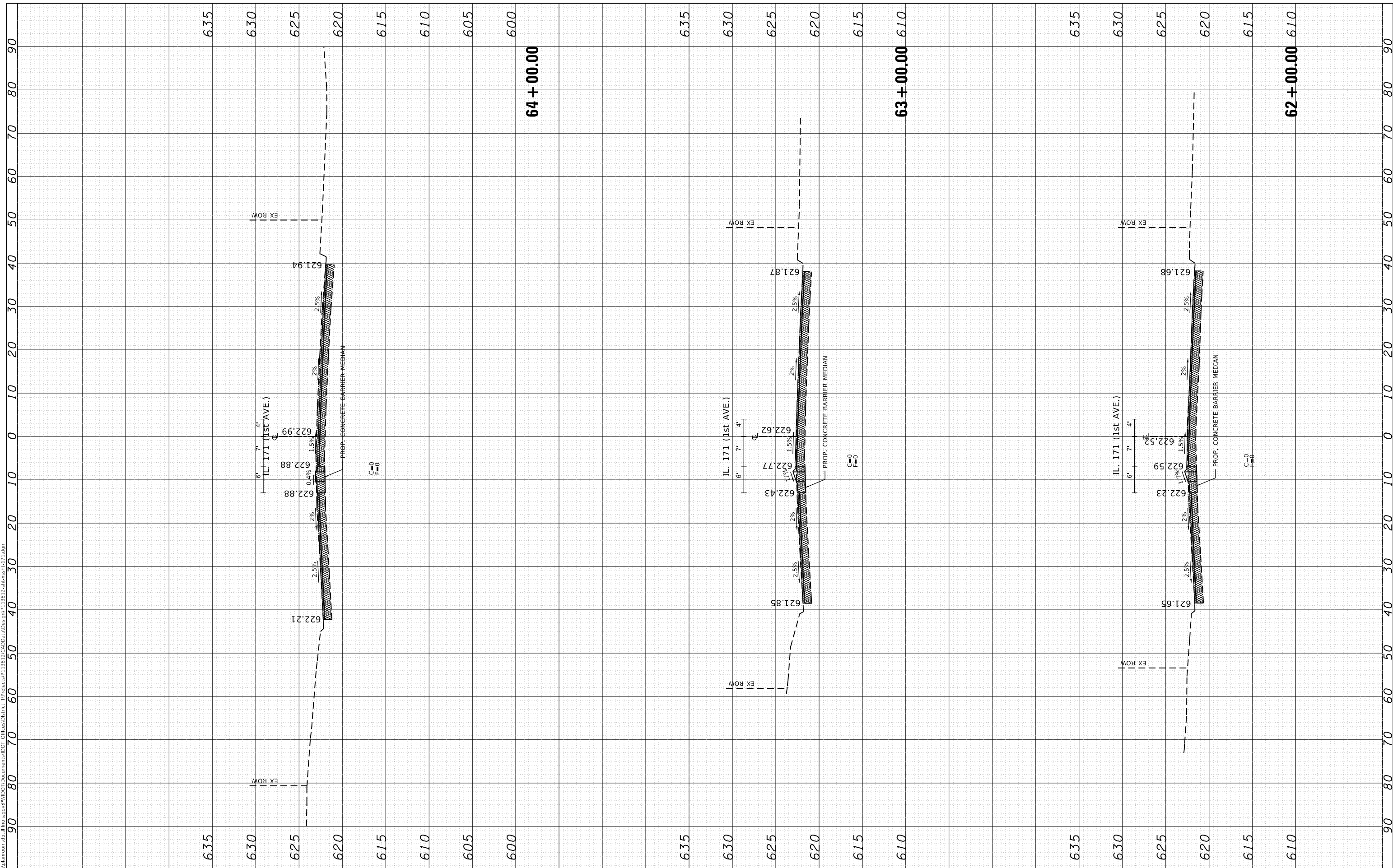
CROSS SECTIONS			
IL. ROUTE 171 AT ROOSEVELT ROAD			
SCALE:	SHEET	OF	SHEETS
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F.A.P. RTE. 372	SECTION 3091-T5&N-1	COUNTY COOK	TOTAL SHEETS 103	SHEET NO. 95
CONTRACT NO. 62A38				
ILLINOIS FED. AID PROJECT				

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

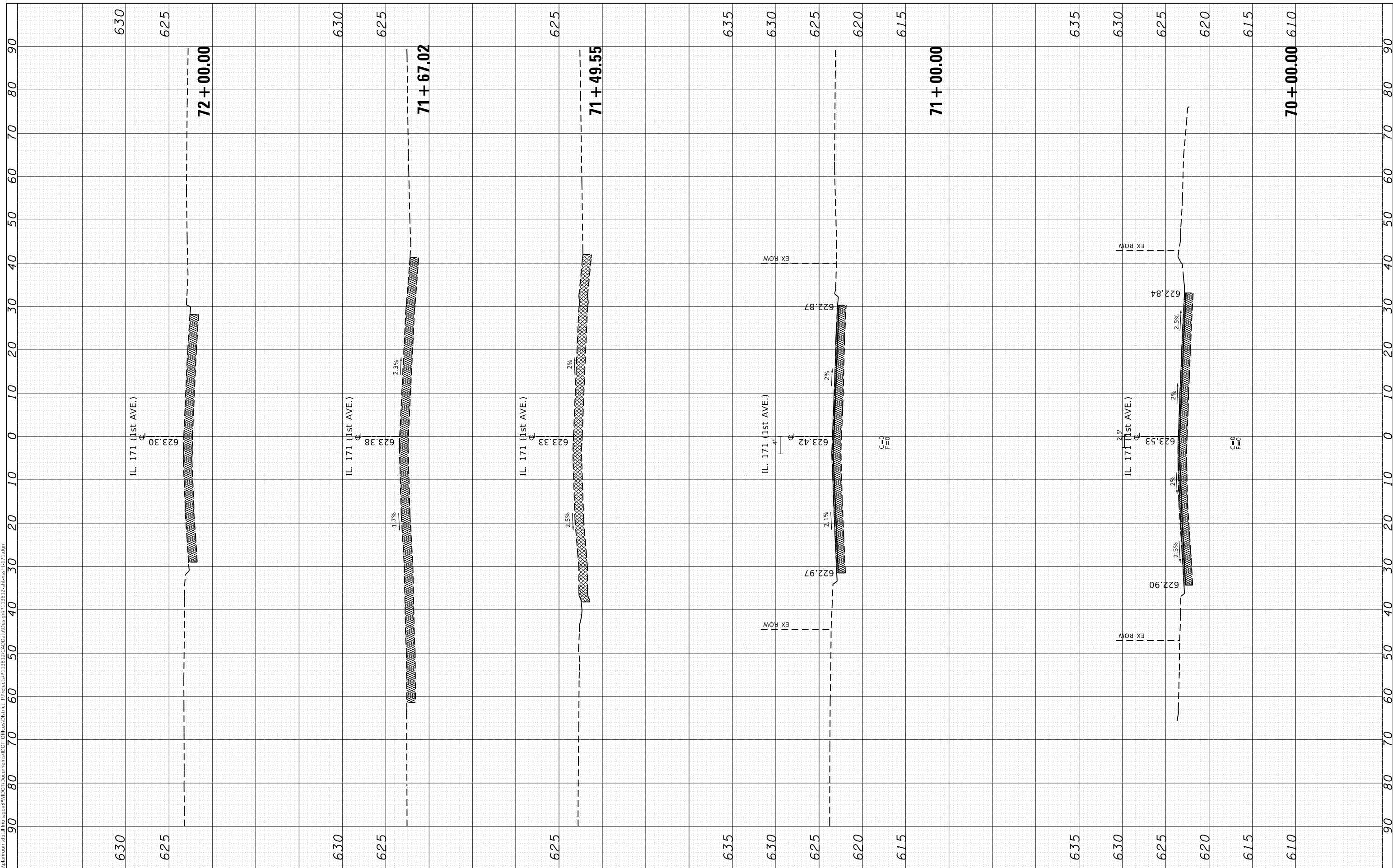
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CONTRACT NO. 62A38				
ILLINOIS		FED. AID PROJECT		

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

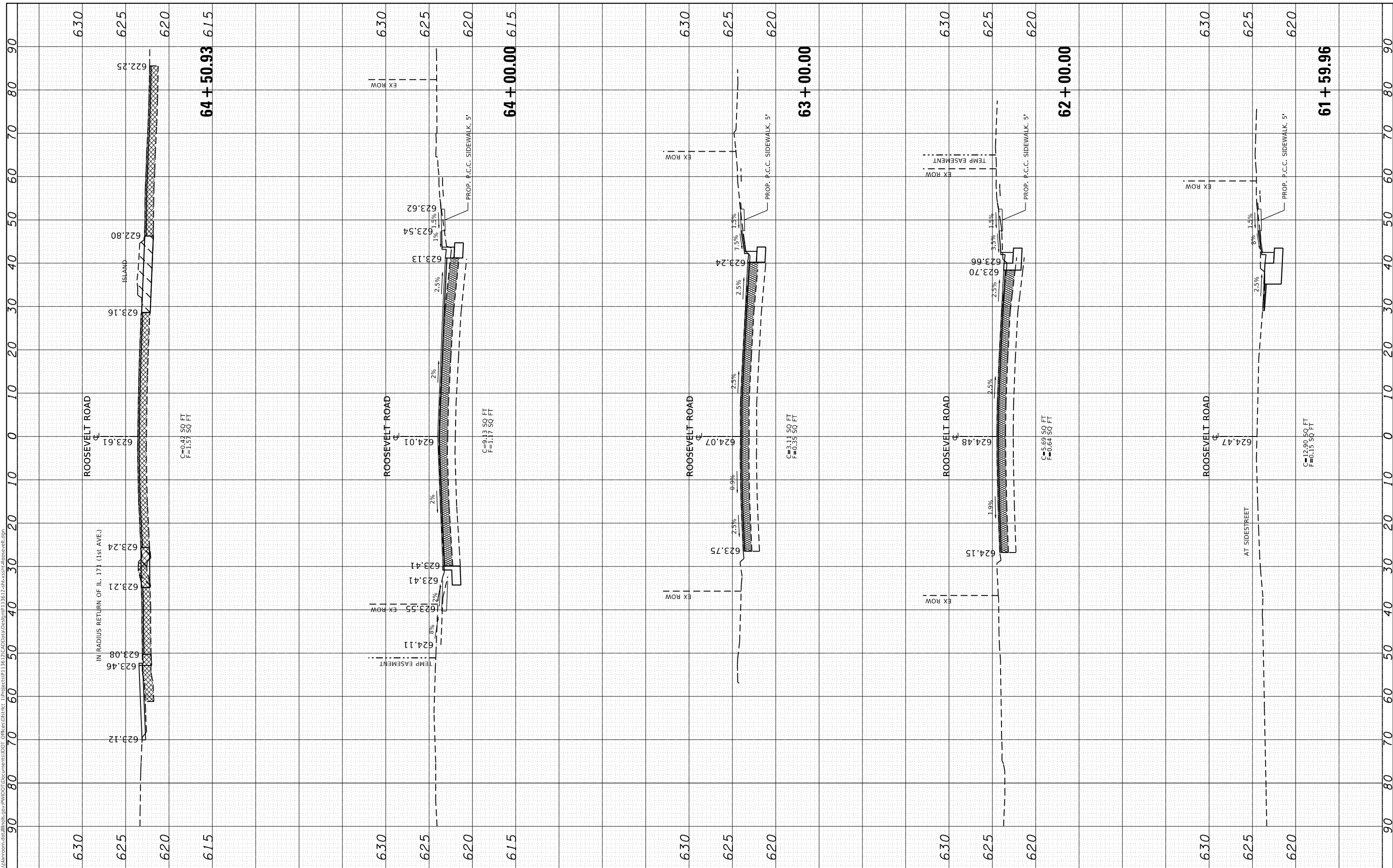
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F.A.P. RTE. 372	SECTION 3091-T5&N-1	COUNTY COOK	TOTAL SHEETS 103	SHEET NO. 99
CONTRACT NO. 62A38				
ILLINOIS		FED. AID PROJECT		

FINAL SURVEY NO.	SURVEYED	DATE
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AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
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PLOT DATE = 3/26/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS	
IL. ROUTE 171 AT ROOSEVELT ROAD	
SCALE:	SHEET OF SHEETS STA. 61+59.96 TO STA. 64+50.93

F.A.P. RTE. 372	SECTION 3091-T5&N-1	COUNTY COOK	TOTAL SHEETS 103	SHEET NO. 101
CONTRACT NO. 62A38				
ILLINOIS FED. AID PROJECT				

