

FOR INDEX OF SHEETS, SEE SHEET NO. 2

11-5-2021 LETTING ITEM 012

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	1
		ILLINOIS	CONTRACT NO. 62M35	

SE3, LLC
JASON W. DOVE, P.E.
Jason W. Dove
DATE: 08/06/2021

LICENSED PROFESSIONAL ENGINEER
JASON W. DOVE
062.054127
OF ILLINOIS

SIGNATURE AND SEAL APPLIES TO DRAWING(S):
1-76, 93-110

EXPIRES: 11/30/2021

SE3, LLC
RYAN R. DOERRER, S.E.
Ryan R. Doerr
DATE: 08/06/2021

LICENSED STRUCTURAL ENGINEER
RYAN R. DOERRER
081-007941
STATE OF ILLINOIS

SIGNATURE AND SEAL APPLIES TO DRAWING(S):
77-92

EXPIRES: 11/30/2022

PROPOSED HIGHWAY PLANS

FAP 307 IL 64 (NORTH AVENUE)
OVER I-355 (VETERANS MEMORIAL TOLLWAY)
SECTION: 2020-180-BR
PROJECT NO: NHPP-BUJE(494)
BRIDGE DECK OVERLAY & JOINT REPAIR
DUPAGE COUNTY
C-91-354-20

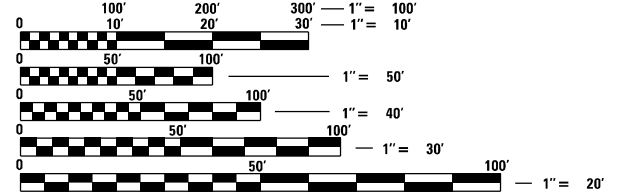


THIS IMPROVEMENT IS LOCATED
WITHIN THE VILLAGE OF LOMBARD, IL.

DESIGN DESIGNATION
- OTHER PRINCIPAL ARTERIAL

TRAFFIC DATA (IL 64)
ADT (2019) = 45,100
POSTED SPEED = 45 MPH
DESIGN SPEED = 45 MPH
P.V. = 90.2% TRUCKS = 9.8%

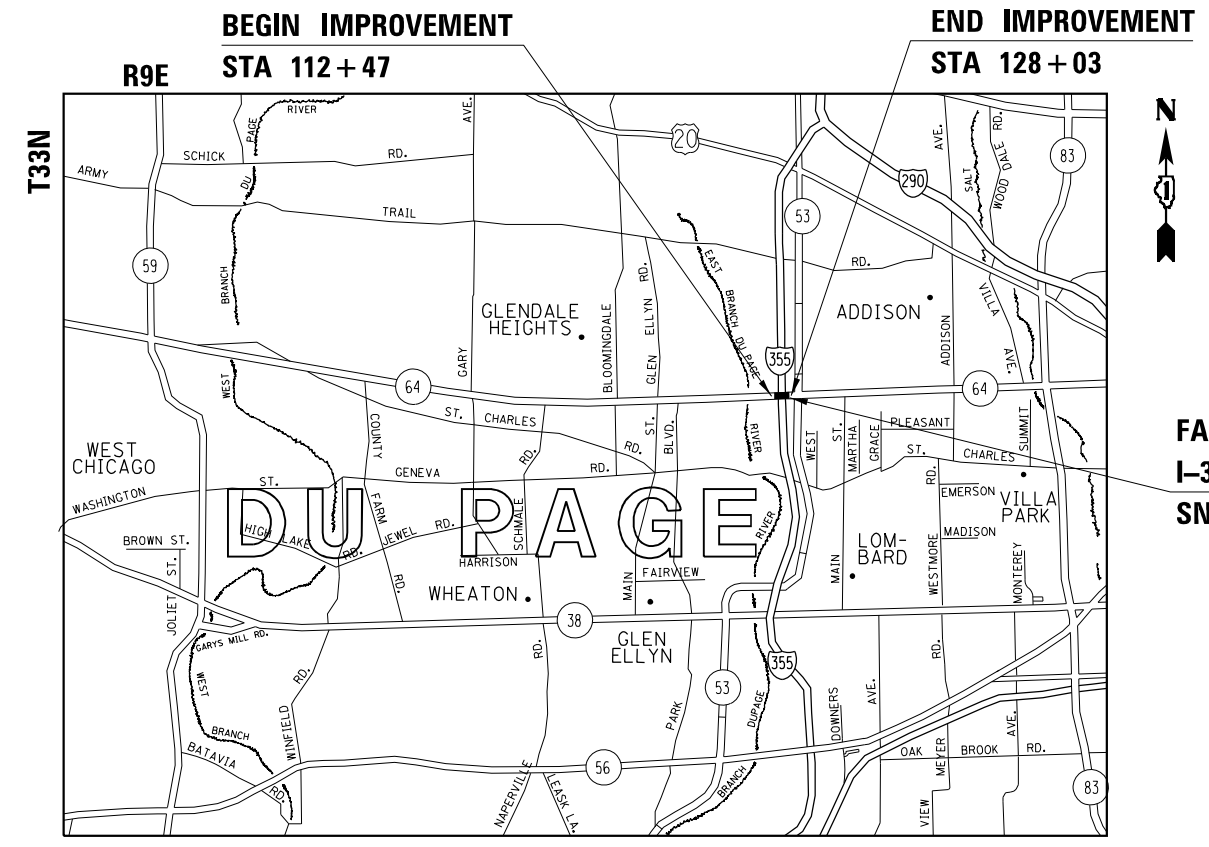
TRAFFIC DATA (I-355)
ADT (2019) = 123,300
POSTED SPEED = 60 MPH
DESIGN SPEED = 70 MPH
P.V. = 91.3% TRUCKS = 8.7%



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 MANAGER: J. ALAIN MIDY, PE (847) 221-3056
PROJECT ENGINEER: PRAVEEN KAINI, PE (847) 705-4237
CONTRACT NO. 62M35



LOCATION MAP
(NOT TO SCALE)
GROSS LENGTH = 1,556 FT. = 0.29 MILES
NET LENGTH = 1,556 FT. = 0.29 MILES

FAP 307 IL 64 (NORTH AVENUE) OVER
I-355 (VETERANS MEMORIAL TOLLWAY)
SN 022-0221

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED *July 30 20 21*
Jose Elias / CAS
REGIONAL ENGINEER

October 1 20 21
[Signature]
ENGINEER OF DESIGN AND SURVEYMENT

October 20 21
Stephen M. Lewis
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS



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93-102	DISTRICT ONE DETAILS
103-110	ILLINOIS TOLLWAY STANDARDS

HIGHWAY STANDARDS

STD NO.	TITLE
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
353001-05	PCC BASE COURSE WITH HMA BINDER AND SURFACE COURSES
420001-09	PAVEMENT JOINTS
442201-03	CLASS C AND D PATCHES
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS \geq 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS \leq 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720016-04	MAST ARM MOUNTED STREET NAME SIGNS
728001-01	TELESCOPING STEEL SIGN SUPPORT

ILLINOIS TOLLWAY STANDARDS

STD NO.	TITLE
E1-07	CONSTRUCTION SIGNS
E2-10	LANE CLOSURE DETAILS
E3-09	SHOULDER CLOSURE DETAILS
E5-09	TEMPORARY GORE DETAILS

COMMITMENTS:

NONE

GENERAL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COLLECTING AND MAINTAINING AN ELECTRONIC LOG OF ALL STAKEOUT SURVEY THAT IS PERFORMED ON THE JOB, EITHER BY HIM/HER OR ANY SUB-CONTRACTOR PERFORMING THE STAKEOUT. UPON REQUEST, ALL LOGS SHALL BE SUBMITTED TO THE DEPARTMENT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS WORK BUT SHALL BE CONSIDERED INCLUDED IN THE COST FOR CONSTRUCTION LAYOUT.
- ALL ELEVATIONS IN THE PLANS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE LATEST EDITION.
- AT LEAST TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS, THE RESIDENT ENGINEER SHALL CONTACT THE ARTERIAL TRAFFIC FIELD ENGINEER, WALTER CZARNY AT WALTER.CZARNY@ILLINOIS.GOV.
- ANY EXISTING PAVEMENT MARKINGS IN CONFLICT WITH PROPOSED PAVEMENT MARKINGS SHALL BE REMOVED.
- THE CONTRACTOR SHALL CONTACT J.U.L.I.E. (1-800-892-0123) AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WITHIN THE RIGHT OF WAY OR EASEMENTS TO LOCATE UTILITIES AND CONTACT THE OWNER'S REPRESENTATIVE SHOULD PUBLIC UTILITIES APPEAR TO BE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- THE CONTRACTOR SHALL TAKE CARE TO PROTECT ALL SIGNS ALONG THE ROUTE OF CONSTRUCTION. SIGNS SHALL BE REMOVED IF THEY ARE IN CONFLICT WITH PROPOSED WORK AND APPROVED BY ENGINEER. ALL LABOR NECESSARY TO COMPLY WITH THE RELOCATION OF SIGNS SHALL BE INCLUDED IN THE CONTRACT WITHOUT ANY EXTRA COMPENSATION ALLOWED TO THE CONTRACTOR ACCORDING TO ART. 107.25, UNLESS MARKED ON PLANS.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW OR WASTE/USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR WILL NEED TO SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION 11.G.1 AND 2 OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- A PAVEMENT SAWCUT FOR REMOVAL ITEMS AS NOTED ON THE PLANS, SPECIFIED IN THE STANDARD SPECIFICATIONS, OR REQUIRED BY THE RESIDENT ENGINEER SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE IDOT ELECTRICAL MAINTENANCE CONTRACTOR TO LOCATE IDOT FACILITY CABLES.
- AT THE TIME OF THE PRECONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL OF THE PROPOSED CONCRETE TRUCK WASHOUT LOCATIONS. RUNOFF FROM WASH AREAS SHALL BE CONTAINED IN DESIGNATED AREAS SO THAT RUNOFF DOES NOT REACH THE STORM SEWER OR DITCH SYSTEMS.
- WHERE TEMPORARY PAVEMENT MEETS EXISTING FEATURES TO REMAIN, THE CONTRACTOR SHALL MATCH EXISTING GRADE. THE CONTRACTOR SHALL FIELD CHECK ALL DIMENSIONS AND ELEVATIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- GENERAL SAFETY PROVISIONS: TO PROVIDE FOR THE SAFETY OF TOLLWAY AND CROSSROAD PATRONS. TO PROVIDE FOR THE SAFETY FOR ALL EMPLOYEES, BOTH OF THE TOLLWAY AND PRIVATE CONTRACTOR DURING THIS CONSTRUCTION PROJECT, THE RULES, REGULATIONS, AND CONDITIONS STATED BELOW SHALL PREVAIL FOR THE DURATION OF THIS CONTRACT:
 - ALL VEHICLES INCLUDING PASSENGER CARS, WHETHER OWNED BY THE CONTRACTOR OR ANYONE REPRESENTING HIM, SHALL BE EQUIPPED WITH A YELLOW FLASHING LIGHT MOUNTED EITHER ON TOP OR IN THE REAR WINDOW OF THE VEHICLE AND VISIBLE FOR AT LEAST 500 FEET TO THE REAR OF THE VEHICLE. IN ADDITION, A SIGN MUST BE DISPLAYED ON EACH SIDE OF THE VEHICLE AND WITH LETTERS AT LEAST 3 INCHES IN HEIGHT AND WITH SUITABLE FONT, SHOWING THE COMPANY NAME AND ADDRESS (MAGNETIC OR TEMPORARY SIGNS ARE ACCEPTABLE).
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE TOLLWAY AT LEAST FIVE (5) DAYS IN ADVANCE OF ANY CONSTRUCTION NEAR TOLLWAY OWNED FACILITIES (ELECTRICAL, COMMUNICATION CABLES, FIBER OPTIC CABLE, TRAFFIC CONTROL, CAMERAS, ETC.) USING THE TOLLWAY WEBSITE: www.Illinoisvirtualtollway.com/utilitylocotes. ANY BURIED FACILITY WITHIN 2 FEET OF AN EXCAVATION LOCATION SHALL FIRST BE EXPOSED BY THE CONTRACTOR BY HAND DIGGING. ONCE EXPOSED, THE CONTRACTOR SHALL PROTECT THE FACILITY. IF THE CONTRACTOR CUTS OR DAMAGES THE TOLLWAY FACILITY, EITHER THROUGH CARELESSNESS OR FAILURE TO FOLLOW THE ABOVE PROCEDURE, THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE REPAIR OF THE DAMAGE AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE TOLLWAY. HAND DIGGING SHALL BE INCLUDED IN THE COST OF THE ITEM REQUIRING EXCAVATION.
- MAINTAINING DRAINAGE: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN DRAINAGE FLOWS AT ALL TIMES DURING THE PERFORMANCE OF THE WORK. WHENEVER ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS CONSTRICTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORK DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS CAUSED BY THE CONSTRUCTION PROJECT. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT. METHODS USED BY THE CONTRACTOR SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER.
- TRAFFIC SENSORS: A MINIMUM OF SEVEN (7) DAYS PRIOR TO ANY SHIFTS IN TRAFFIC LANES, THE CONTRACTOR SHALL CONTACT TRAFFIC.COM AT 610-407-7400. THE CONTRACTOR SHALL SUPPLY TRAFFIC.COM WITH THE REVISED TRAFFIC PATTERN AND THE DATE FOR THE SHIFT IN TRAFFIC LANES. TRAFFIC.COM IS RESPONSIBLE FOR CALIBRATING THE TRAFFIC SENSORS ALONG THE CORRIDOR TO ACCURATELY MONITOR TRAFFIC FLOW.
- NIGHT OPERATIONS: WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE UTMOST PRECAUTION IN PREVENTING ADVERSE VISIBILITY TO MOTORING PUBLIC AS WELL AS THE ADJOINING RESIDENTIAL AREAS.
- SEE LANDSCAPING PLANS FOR LANDSCAPING GENERAL NOTES.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, LIST OF HIGHWAY STANDARDS,
GENERAL NOTES, AND COMMITMENTS

SCALE: 2,0000 ' / in. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR		110	2
DUPAGE			CONTRACT NO. 62M35	
ILLINOIS		FED. AID PROJECT	NHPB-BUJE(494)	

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HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS @ Ndes	
PAVEMENT RESURFACING & WIDENING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F" N80 (2 INCH)	3.5% @ 80 GYR	QC/QA
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 (3/4")	3.5% @ 50 GYR	QC/QA
APPROACH SLAB HMA OVERLAY		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F" N80 (2 INCH)	3.5% @ 80 GYR	QC/QA
TEMPORARY PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 (2 INCH)	4% @ 70 GYR	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19, N70 (8 INCH)	4% @ 70 GYR	QC/QA
PAVEMENT PATCHING		
CLASS D PATCHES (HMA BINDER IL-19mm)	4% @ 70 GYR	QC/QA

QMP DESIGNATION: QUALITY CONTROL/ QUALITY ASSURANCE (QC/QA)
 QUALITY CONTROL FOR PERFORMANCE (QCP)
 PAY FOR PERFORMANCE (PFP)

HMA MIXTURE NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY SPECIAL PROVISIONS.
3. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
4. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.
5. PC CONCRETE TEMPORARY PAVEMENT (8") SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART.1020 OF THE STANDARD SPECIFICATIONS. TEMPORARY PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS.



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HOT-MIX ASPHALT MIX TABLE

SCALE: 8,0000 ' / in. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	3
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				

SP	CODE NO.	ITEM	UNIT	CONSTRUCTION CODE	
				BRIDGE	
				0059	
				80% FEDERAL 20% STATE URBAN IL 64 (North Ave) S.N. 022-0221	
*	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	100	
*	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	40	
	20101000	TEMPORARY FENCE	FOOT	189	
*	20101100	TREE TRUNK PROTECTION	EACH	3	
*	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	3	
*	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	3	
	20200100	EARTH EXCAVATION	CU YD	2301	
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1803	
	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	317	
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	84	
	21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	198	
*	25000210	SEEDING, CLASS 2A	ACRE	1.02	
*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	180	
*	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	108	
*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	108	
*	25003210	INTERSEEDING, CLASS 2A	ACRE	1	
*	25100125	MULCH, METHOD 3	ACRE	2	
*	25100630	EROSION CONTROL BLANKET	SQ YD	84	
*	25200110	SODDING, SALT TOLERANT	SQ YD	2268	
	25200200	SUPPLEMENTAL WATERING	UNIT	122	
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	11	
	30300112	AGGREGATE SUBGRADE IMPROVEMENT, 12"	SQ YD	2379	

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: 1" = 40' 0000 ' / in.	SHEET 1	OF 7 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	4
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				

SP	CODE NO.	ITEM	UNIT	CONSTRUCTION CODE	
				BRIDGE 0059 80% FEDERAL 20% STATE URBAN IL 64 (North Ave) S.N. 022-0221	
	31101200	SUBGRADE GRANULAR MATERIAL, TYPE B 4"	SQ YD	662	
	35300605	PORTLAND CEMENT CONCRETE BASE COURSE 11 1/4"	SQ YD	2055	
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2371	
	40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	802	
	40600990	TEMPORARY RAMP	SQ YD	320	
	40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	136	
	40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	676	
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	911	
	44000160	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SQ YD	1164	
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2111	
	44000600	SIDEWALK REMOVAL	SQ FT	913	
	44003100	MEDIAN REMOVAL	SQ FT	8298	
	44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SQ YD	141	
	50102400	CONCRETE REMOVAL	CU YD	83.7	
	50157300	PROTECTIVE SHIELD	SQ YD	1957	
	50300260	BRIDGE DECK GROOVING	SQ YD	3623	
	50300300	PROTECTIVE COAT	SQ YD	3718	
	50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	103.5	
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3580	
	50800515	BAR SPLICERS	EACH	104	
	52000020	PREFORMED JOINT SEAL 1 3/4"	FOOT	210	
	52000110	PREFORMED JOINT STRIP SEAL	FOOT	264	

USER: s10pinson
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 DATE - 08/06/2021

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: 1/4" = 1'-0" SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	5
CONTRACT NO. 62M35				

ILLINOIS FED. AID PROJECT NHPP-BUIE(494)

SP	CODE NO.	ITEM	UNIT	CONSTRUCTION CODE	
				BRIDGE	
				0059	
				80% FEDERAL 20% STATE URBAN IL 64 (North Ave) S.N. 022-0221	
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	7	
	60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	5	
□	60255410	CATCH BASINS TO BE CLEANED	EACH	43	
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1646	
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	426	
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD		
*	66900530	SOIL DISPOSAL ANALYSIS	EACH		
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	5	
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	
	67100100	MOBILIZATION	L SUM	1	
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	78	
	70106800	CHANGEABLE MESSAGE SIGN	CAL MO	40	
	70300900	PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS	SQ FT	1580	
	70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	26510	
	70300906	PAVEMENT MARKING TAPE, TYPE IV 6"	FOOT	12810	
	70300924	PAVEMENT MARKING TAPE, TYPE IV 24"	FOOT	290	
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	1500	
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1575	
	70600251	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	4	
	70600352	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	4	

* SPECIALTY ITEM

□ NON-PART 100% STATE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: 000000 * / in. SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	6
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				

SP	CODE NO.	ITEM	UNIT	CONSTRUCTION CODE	
				BRIDGE 0059 80% FEDERAL 20% STATE URBAN IL 64 (North Ave) S.N. 022-0221	
*	72000100	SIGN PANEL - TYPE 1	SQ FT	57	
*	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	28	
*	72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	313	
*	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	196	
*	73000100	WOOD SIGN SUPPORT	FOOT	15	
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1146	
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	7625	
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	4199	
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	350	
*	78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	146	
*	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1296	
*	78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	1036	
*	78100300	REPLACEMENT REFLECTOR	EACH	240	
*	78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	248	
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	6141	
*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	490	
*	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	626	
*	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	160	
*	81400100	HANDHOLE	EACH	4	
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	570	
*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4220	
*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	490	
*	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1030	

* SPECIALTY ITEM

USER: splanon
 MODEL: Design
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 CHECKED - PJM
 DATE - 08/06/2021

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: 1/8" = 1' SHEET 4 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR		110	7
CONTRACT NO. 62M35				

ILLINOIS FED. AID PROJECT NHPP-BUIE(494)

SP	CODE NO.	ITEM	UNIT	CONSTRUCTION CODE	
				BRIDGE 0059 80% FEDERAL 20% STATE URBAN IL 64 (North Ave) S.N. 022-0221	
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	760	
*	87700404	STEEL MAST ARM ASSEMBLY AND POLE, 62 FT.	EACH	2	
	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	24	
	87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	42	
	87900200	DRILL EXISTING HANDHOLE	EACH	4	
*	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4	
*	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2	
*	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2	
*	88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	4	
*	88600100	DETECTOR LOOP, TYPE 1	FOOT	660	
*	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2	
*	89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	14	
*	89501150	RELOCATE EXISTING TRAFFIC SIGNAL POST	FOOT	6	
*	89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2	
*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	4800	
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2	
*	89502376	REBUILD EXISTING HANDHOLE	EACH	2	
	89502380	REMOVE EXISTING HANDHOLE	EACH	2	
	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	8	
*	* A2004700	TREE, GLEDITSIA TRIACANTHOS INERMIS (IMPERIAL HONEYLOCUST), 2" CALIPER, 24" HEIGHT, BALLED AND BURLAPPED	EACH	7	
*	* A2005016	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2" CALIPER, BALLED AND BURLAPPED	EACH	11	
*	* A2005416	TREE, LIRIODENDRON TULIPIFERA (TULIP TREE), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	

*** SPECIALTY ITEM**

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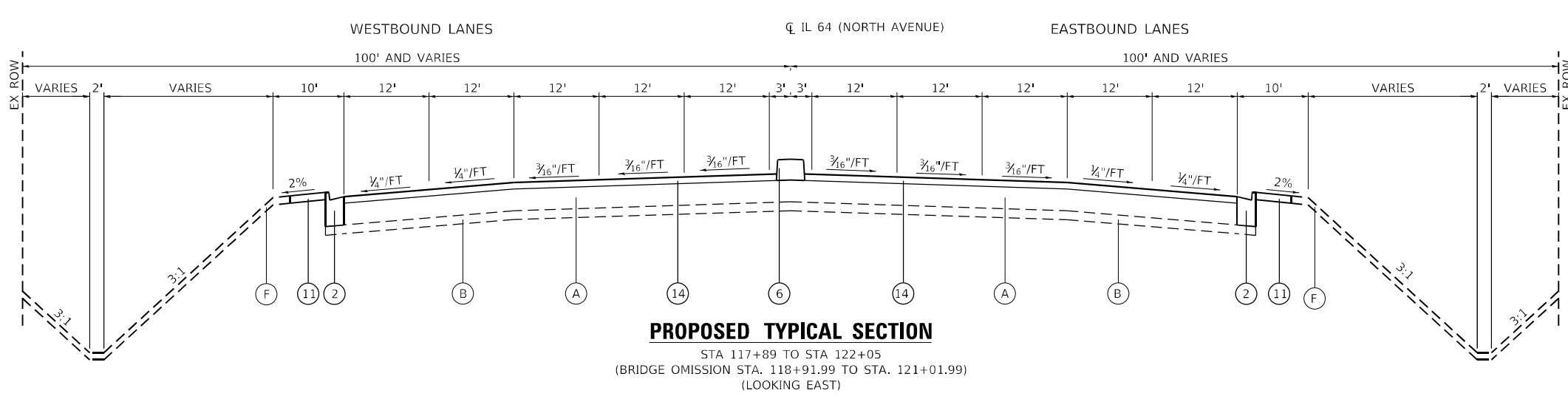
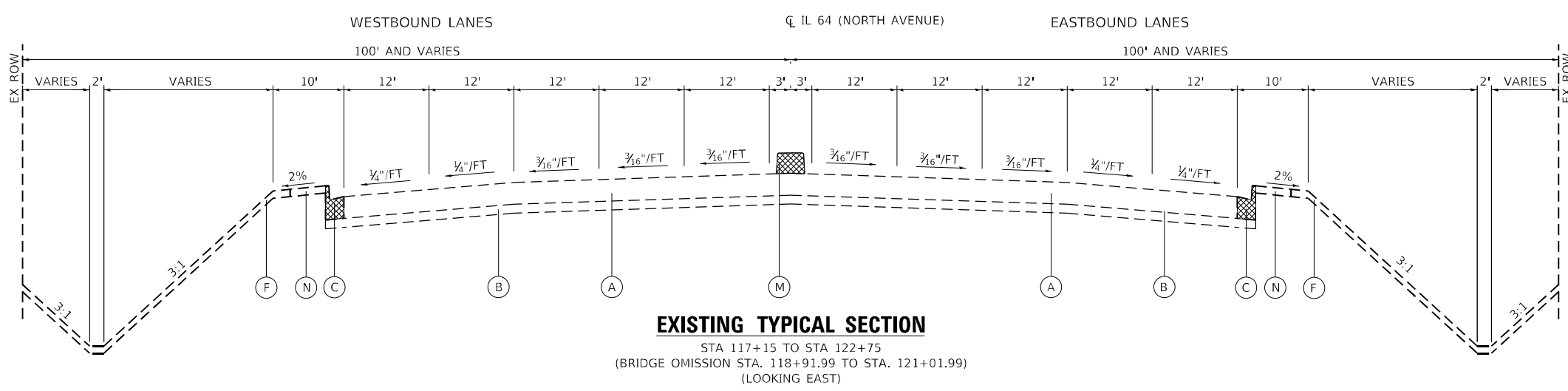
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: 1/4" = 1' SHEET 5 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	8
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHP-BUIE(494)				



LEGEND:

- (A) EXISTING JOINTED REINFORCED P.C.C PAVEMENT, 11 1/4"
- (B) EXISTING STABILIZED GRANULAR SUB-BASE, 4"
- (C) EXISTING COMB. CONCRETE CURB & GUTTER, B-6.24
- (D) EXISTING GRANULAR FILL
- (E) EXISTING TOPSOIL 4" AND SOD MEDIAN SURFACE
- (F) EXISTING TOPSOIL 4"
- (G) EXISTING COMB. CONCRETE CURB & GUTTER, B-6.12
- (H) EXISTING POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (3/4")
- (I) EXISTING POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80 (2")
- (J) EXISTING HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2 3/4" TO 1 1/2") (SEE DETAIL A)
- (K) EXISTING POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80 (2 3/4" TO 1 1/2") (SEE DETAIL C)
- (L) EXISTING HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2") (SEE DETAIL A)
- (M) EXISTING CONCRETE MEDIAN TYPE SB (DOWELLED)
- (N) EXISTING SIDEWALK

- (1) PROPOSED HMA SURFACE REMOVAL, 2 3/4"
- (2) PROPOSED COMB. CONCRETE CURB & GUTTER, B-6.24
- (3) PROPOSED COMB. CONCRETE CURB & GUTTER, B-6.12 (REFLECTOR GUTTER AT 2% SLOPE)
- (4) PROPOSED EMBANKMENT
- (5) PROPOSED TOPSOIL 4" AND SEED OR SOD
- (6) PROPOSED CONCRETE MEDIAN TYPE SB (DOWELLED)
- (7) PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80 (2")
- (8) PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 (3/4")
- (9) PROPOSED PORTLAND CEMENT CONCRETE BASE COURSE 11 1/4"
- (10) PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 12"
- (11) PROPOSED PCC SIDEWALK, 5"
- (12) PROPOSED SUBBASE GRANULAR MATERIAL TYPE B 4"
- (13) PROPOSED TEMPORARY PAVEMENT
 * 10" FULL DEPTH TEMPORARY HMA PAVEMENT
 * OR 8" TEMPORARY PCC PAVEMENT
- (14) PROPOSED APPROACH SLAB HMA OVERLAY
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80 (1 3/4" MIN.)

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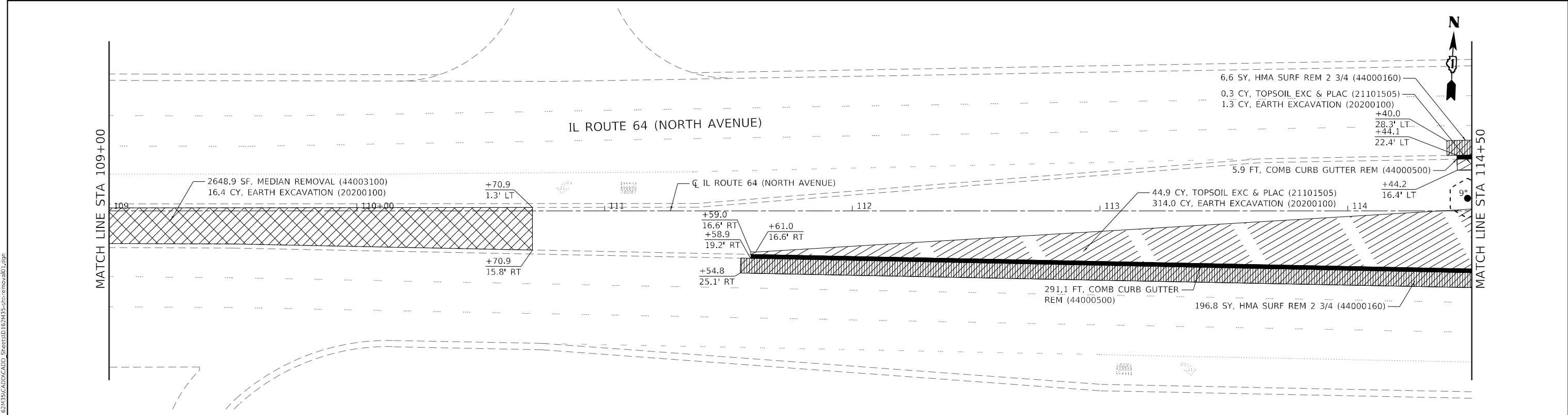
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 64 (NORTH AVENUE)
ROADWAY TYPICAL SECTIONS

SCALE: 80000000 * / in. SHEET 2 OF 3 SHEETS STA. 117+15 TO STA. 122+75

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	12
CONTRACT NO. 62M35			ILLINOIS FED. AID PROJECT NHP-BUJE(494)	

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LEGEND

- TOPSOIL EXC & PLAC (21101505)
EARTH EXCAVATION (20200100)
- PORTLAND CEMENT CONCRETE SURFACE
REMOVAL - BUTT JOINT (40600985)
- REMOVE EXISTING CONCRETE PAVEMENT RELIEF JOINT
CLASS D PATCHES (SEE ROADWAY DETAIL)
- COMBINATION CURB AND
GUTTER REMOVAL (44000500)
- SIDEWALK REMOVAL (44000600)
- MEDIAN REMOVAL (44003100)
- HMA SURFACE REMOVAL, 2 3/4" (44000160)

- ISLAND SURFACE REMOVAL AND
REPLACEMENT (X4402810)
- CONCRETE REMOVAL
(SEE STRUCTURAL PLANS)
- APPROACH SLAB REPAIR
(SEE STRUCTURAL PLANS)

- TREE REMOVAL (20100110)
- TREE TRUNK PROTECTION (20101100)
AND TEMPORARY FENCE (20101000)

NOTES:
 1. SEE LANDSCAPING PLANS FOR LANDSCAPING GENERAL NOTES AND
 TOPSOIL PLACEMENT.



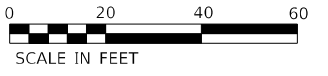
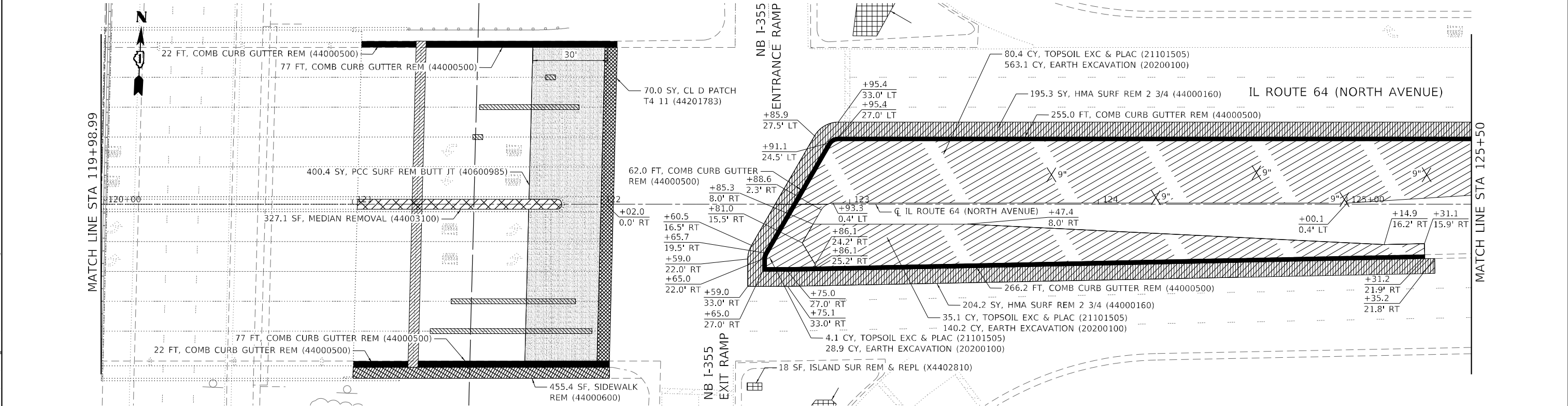
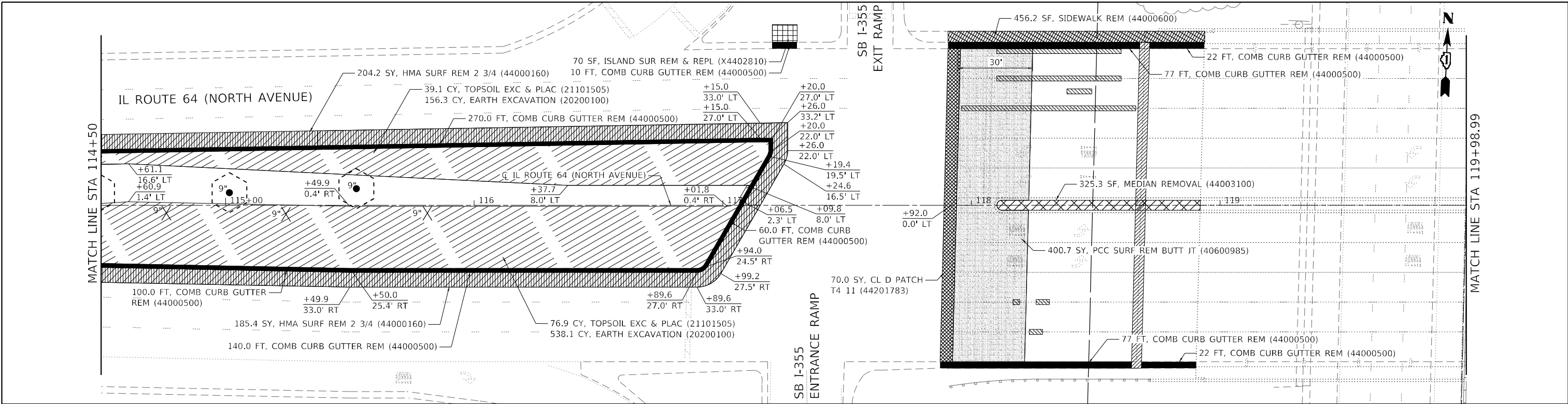
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN
 IL 64 (NORTH AVENUE)**

SCALE: 40,0000' / in. SHEET 1 OF 3 SHEETS STA. 103+50 TO STA. 114+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	14
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				



LEGEND

- TOPSOIL EXC & PLAC (21101505)
- EARTH EXCAVATION (20200100)
- PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT (40600985)
- REMOVE EXISTING CONCRETE PAVEMENT RELIEF JOINT CLASS D PATCHES (SEE ROADWAY DETAIL)
- COMBINATION CURB AND GUTTER REMOVAL (44000500)
- SIDEWALK REMOVAL (44000600)
- MEDIAN REMOVAL (44003100)
- HMA SURFACE REMOVAL, 2 3/4" (44000160)

- ISLAND SURFACE REMOVAL AND REPLACEMENT (X4402810)
- CONCRETE REMOVAL (SEE STRUCTURAL PLANS)
- APPROACH SLAB REPAIR (SEE STRUCTURAL PLANS)

- TREE REMOVAL (20100110)
- TREE TRUNK PROTECTION (20101100) AND TEMPORARY FENCE (20101000)

NOTES:
1. SEE LANDSCAPING PLANS FOR LANDSCAPING GENERAL NOTES AND TOPSOIL PLACEMENT.

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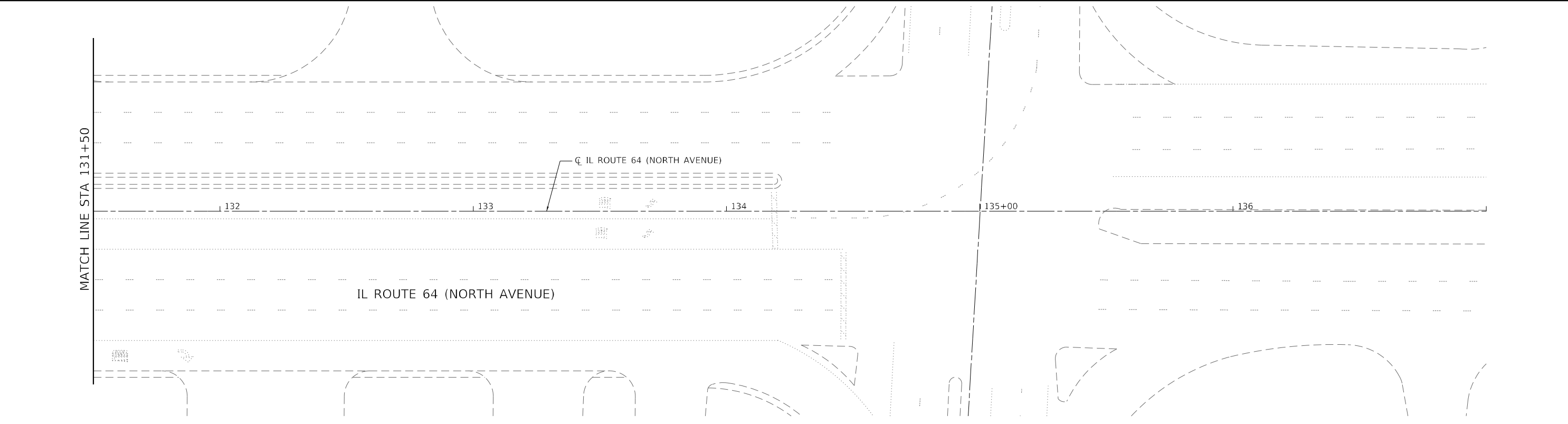
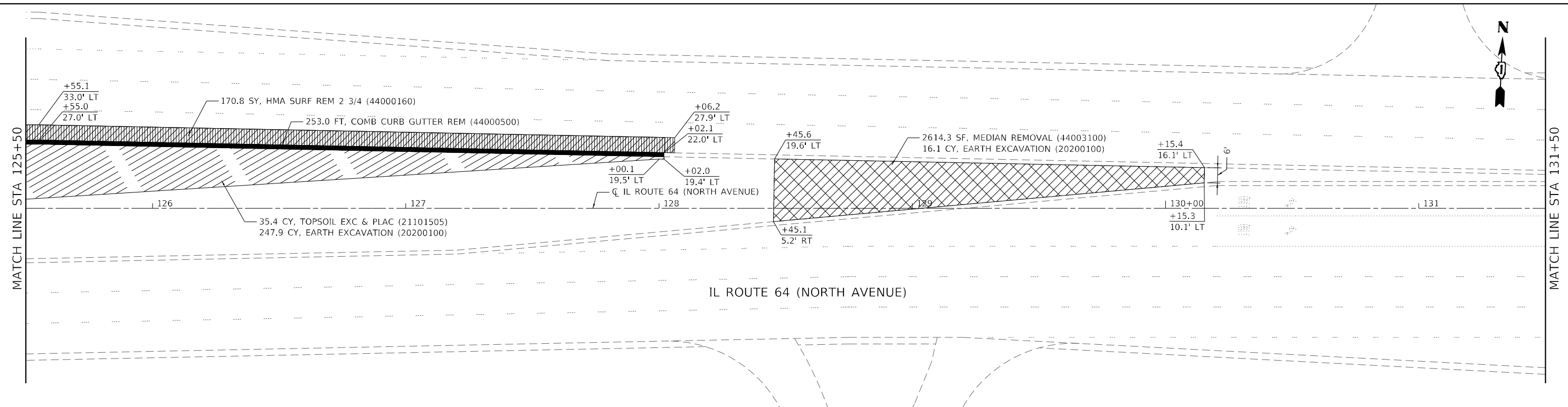


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLAN IL 64 (NORTH AVENUE)		
SCALE: 40,0000 * / in.	SHEET 2 OF 3 SHEETS	STA. 114+50 TO STA. 125+50

F.A.P. RTE. 307	SECTION 2020-180-BR	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 15
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				



LEGEND

- TOPSOIL EXC & PLAC (21101505)
- EARTH EXCAVATION (20200100)
- PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT (40600985)
- REMOVE EXISTING CONCRETE PAVEMENT RELIEF JOINT CLASS D PATCHES (SEE ROADWAY DETAIL)
- COMBINATION CURB AND GUTTER REMOVAL (44000500)
- SIDEWALK REMOVAL (44000600)
- MEDIAN REMOVAL (44003100)
- HMA SURFACE REMOVAL, 2 3/4" (44000160)

- ISLAND SURFACE REMOVAL AND REPLACEMENT (X4402810)
- CONCRETE REMOVAL (SEE STRUCTURAL PLANS)
- APPROACH SLAB REPAIR (SEE STRUCTURAL PLANS)

- TREE REMOVAL (20100110)
- TREE TRUNK PROTECTION (20101100) AND TEMPORARY FENCE (20101000)

NOTES:
1. SEE LANDSCAPING PLANS FOR LANDSCAPING GENERAL NOTES AND TOPSOIL PLACEMENT.

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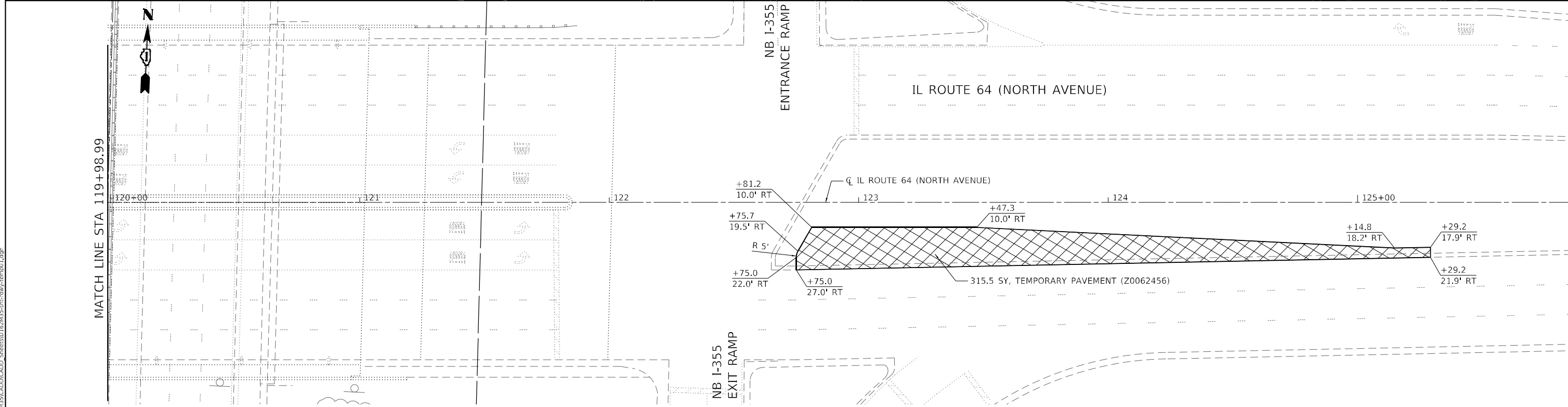
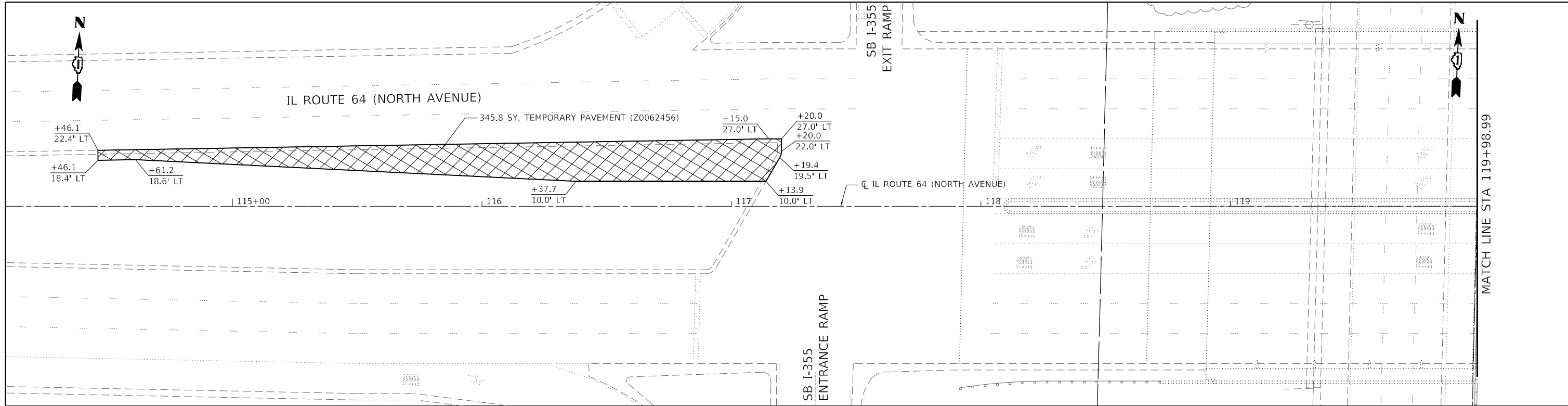


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN
IL 64 (NORTH AVENUE)**
SCALE: 40,0000 * / in. SHEET 3 OF 3 SHEETS STA. 125+50 TO STA. 137+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	16
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				



LEGEND

TEMPORARY PAVEMENT (Z0062456)

TEMPORARY PAVEMENT (Z0062456)

- OPTION 1
- 10" FULL DEPTH TEMPORARY HMA PAVEMENT
 - 2" HMA SURFACE COURSE, MIX "D", N70
 - 8" HMA BINDER COURSE, IL-19.0, N70
 - 4" SUBBASE GRANULAR MATERIAL TYPE B (CA-6)
- OPTION 2
- 8" TEMPORARY PCC PAVEMENT
 - 4" SUBBASE GRANULAR MATERIAL TYPE B (CA-6)

- NOTE:
1. BOTH TEMPORARY PAVEMENT OPTION 1 AND TEMPORARY PAVEMENT OPTION 2 SHALL BE PAID AS TEMPORARY PAVEMENT (Z0062456)
 2. THE TEMPORARY PAVEMENT SUBBASE SHALL BE PAID FOR AS SUBBASE GRANULAR MATERIAL, TYPE B 4" (31101200).
 3. SEE THE MIX TABLE FOR INFORMATION ON THE TEMPORARY PAVEMENT.

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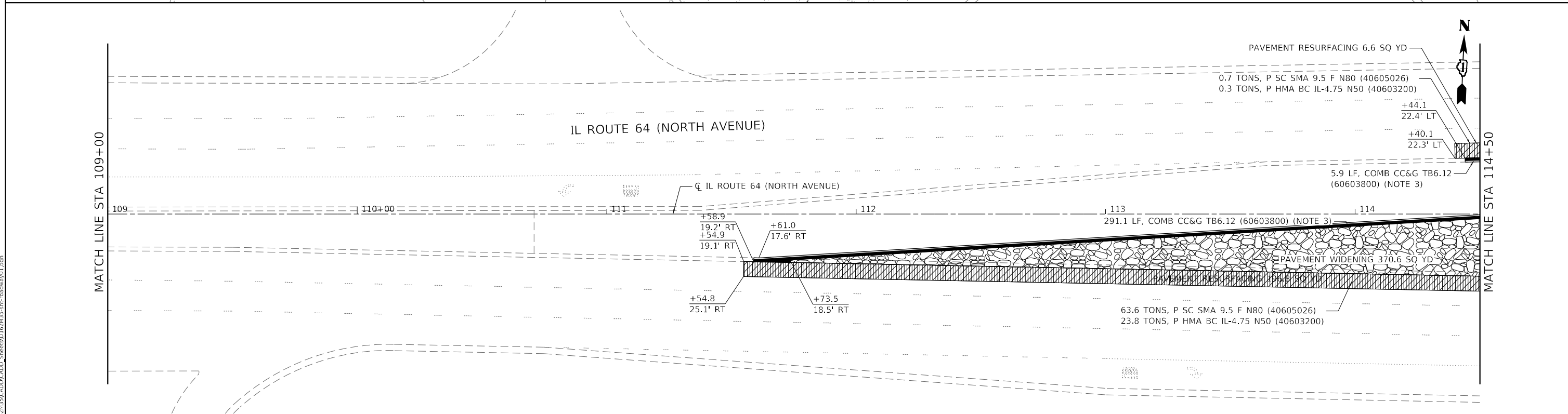
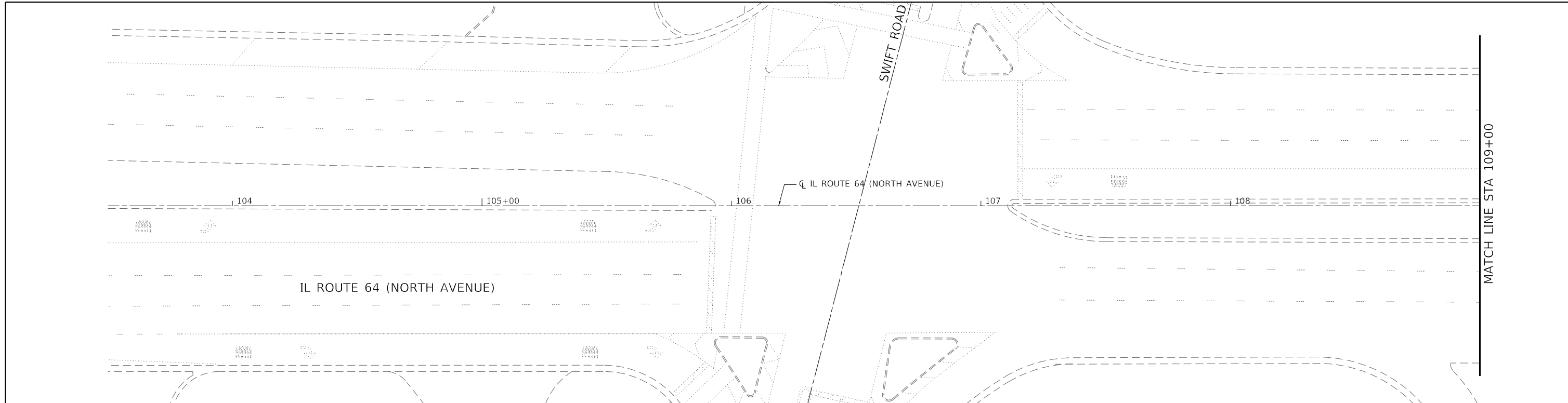
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

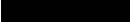

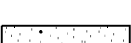


**TEMPORARY ROADWAY PLAN
IL 64 (NORTH AVENUE)**





SCALE: 40,0000 ' / in. SHEET 1 OF 1 SHEETS STA. 114+00 TO STA. 126+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	17
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				



LEGEND

-  COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12, REJECTOR (60603800)
-  POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 2" (40605026)
-  POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4" (40603200)
-  APPROACH SLAB HMA OVERLAY
-  POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4" MIN. (40605026)

-  POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 2" (40605026)
-  POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4" (40603200)
-  PORTLAND CEMENT CONCRETE BASE COURSE 11 1/4" (35300605)
-  AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112)

- NOTES:**
- SEE REMOVAL PLANS FOR ITEMS TO BE REMOVED.
 - CURB HEIGHT AT BRIDGE IS VARIABLE. TRANSITION CURB HEIGHT OVER A 10-FOOT DISTANCE. SEE STRUCTURE DRAWINGS FOR JOINT AT BRIDGE APPROACH SLAB.
 - GUTTER SHALL BE A REJECTOR GUTTER WITH A 2% SLOPE AWAY FROM THE FACE OF CURB TO EDGE OF PAVEMENT.

USER: sjobinson
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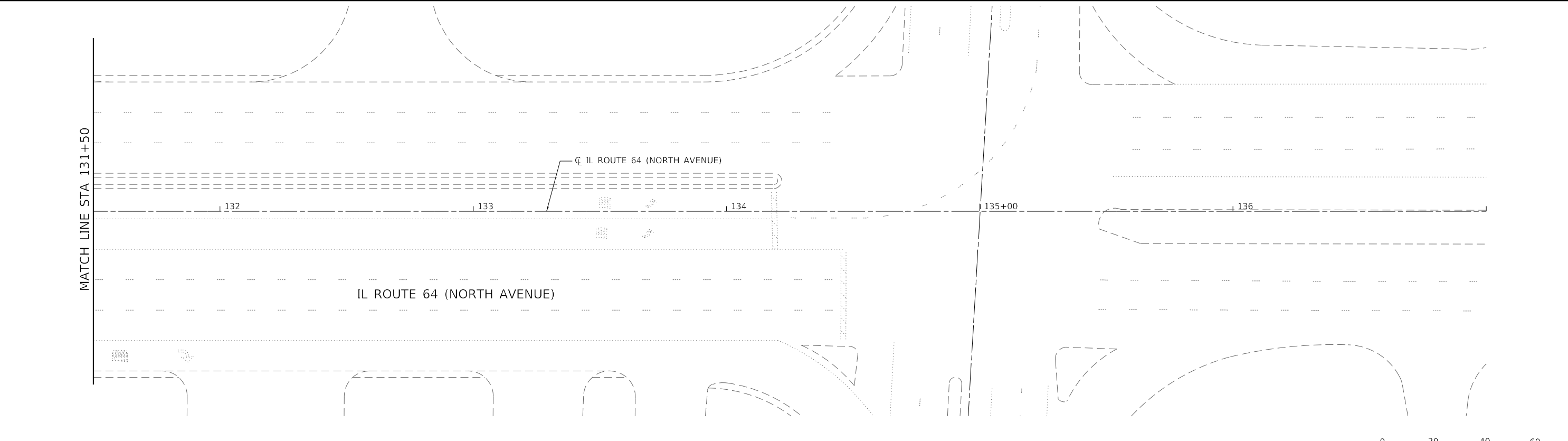
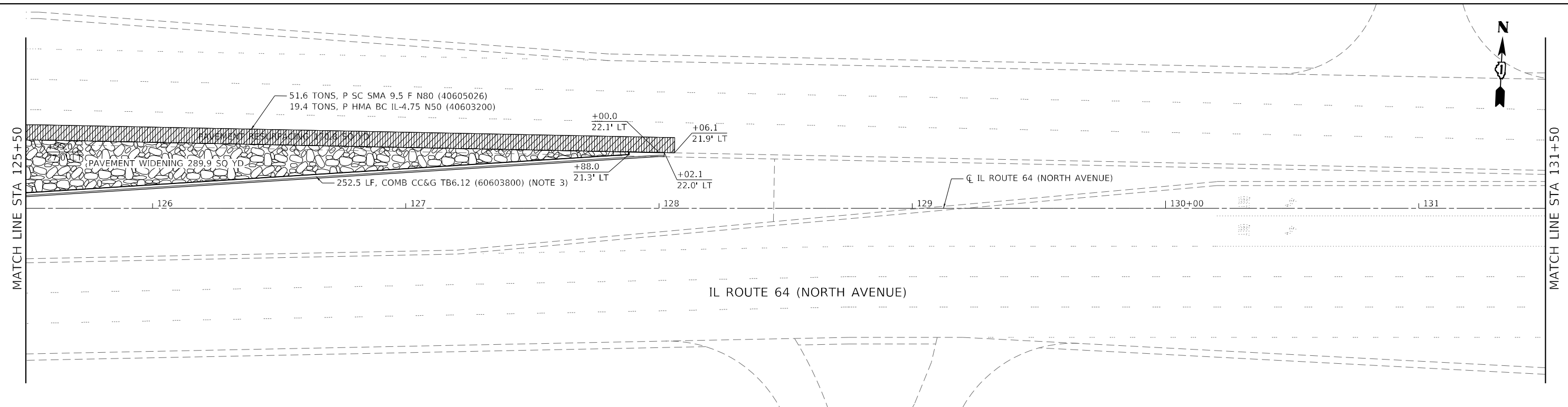
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
IL 64 (NORTH AVENUE)**

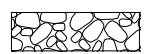
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	18
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				



LEGEND

- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12, REJECTOR (60603800)
- POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 2" (40605026)
- POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4" (40603200)
- APPROACH SLAB HMA OVERLAY
- POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4" MIN. (40605026)



- POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 2" (40605026)
- POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4" (40603200)
- PORTLAND CEMENT CONCRETE BASE COURSE 11 1/4" (35300605)
- AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112)

- NOTES:**
1. SEE REMOVAL PLANS FOR ITEMS TO BE REMOVED.
 2. CURB HEIGHT AT BRIDGE IS VARIABLE. TRANSITION CURB HEIGHT OVER A 10-FOOT DISTANCE. SEE STRUCTURE DRAWINGS FOR JOINT AT BRIDGE APPROACH SLAB.
 3. GUTTER SHALL BE A REJECTOR GUTTER WITH A 2% SLOPE AWAY FROM THE FACE OF CURB TO EDGE OF PAVEMENT.

USER: sjohnson
 C:\PLOT\DRIVER\PLT_P190_14_Pbase II_Voc\ar\Drawn\WG_20_62M35\CADD\CADD_Sheets\ID162M35-Str-constr\wg03.dgn
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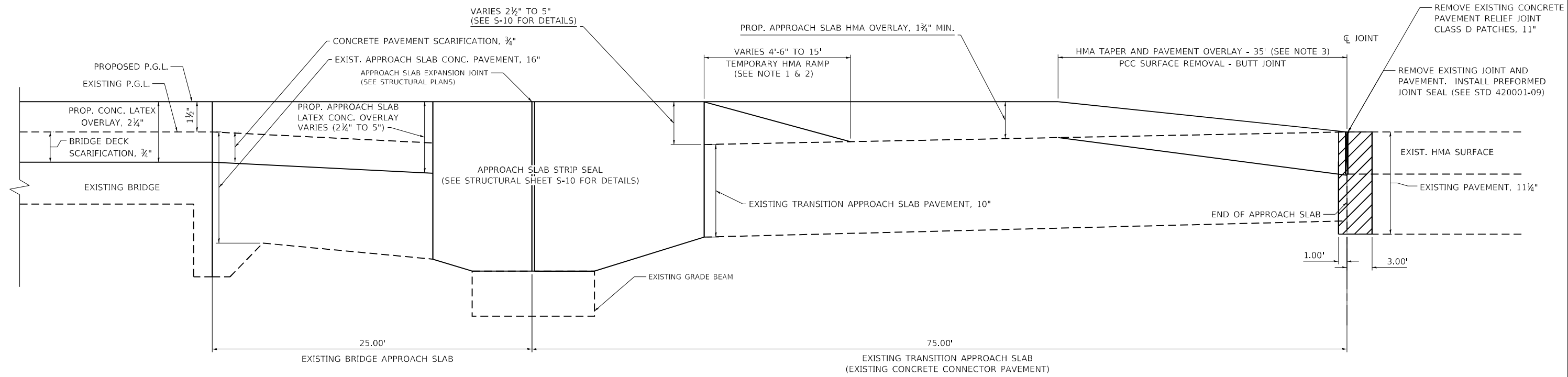
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
IL 64 (NORTH AVENUE)**

SCALE: 40,0000 ' / in. SHEET 3 OF 3 SHEETS STA. 125+50 TO STA. 137+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	20
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				



APPROACH PAVEMENT HMA OVERLAY DETAIL

(NOT TO SCALE)
 STA. 117+91.99 TO STA. 118+91.99
 STA. 121+01.99 TO STA. 122+01.99

NOTE:

1. TAPER THE TEMPORARY RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
2. INSTALLATION AND REMOVAL OF THE TEMPORARY RAMP IS INCLUDED IN COST OF HMA SURFACE.
3. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
 BUTT JOINT TAPER RATE = 20'-0" (6.1 m) PER 1 INCH (25 mm) RESURFACING.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

USER: spohnson
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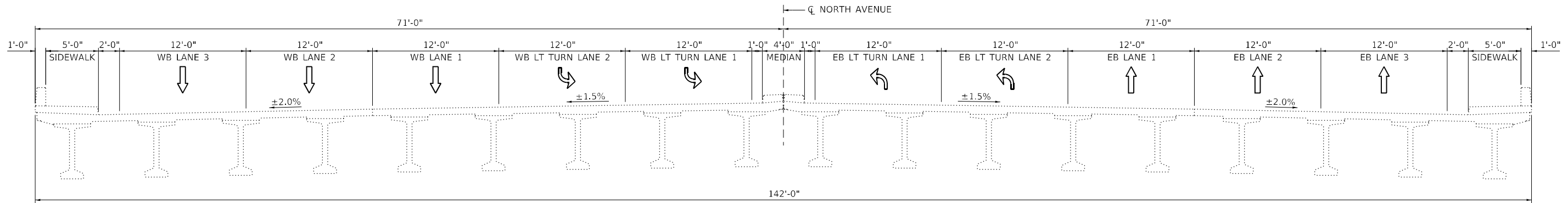
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

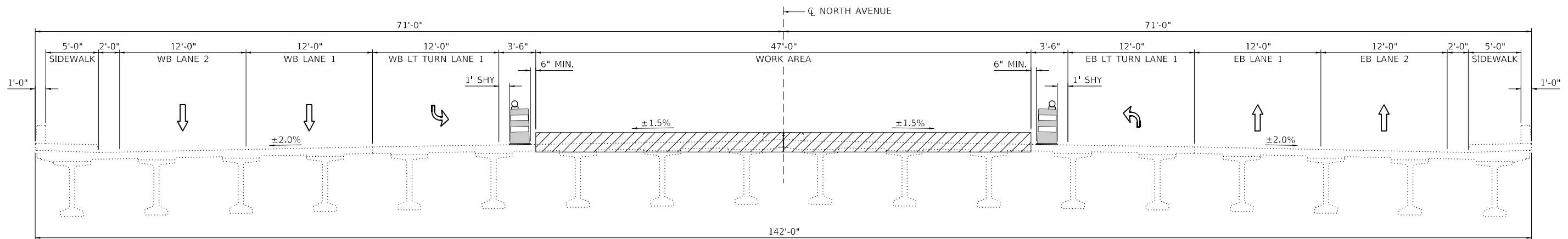
**APPROACH PAVEMENT
 HMA OVERLAY DETAIL**

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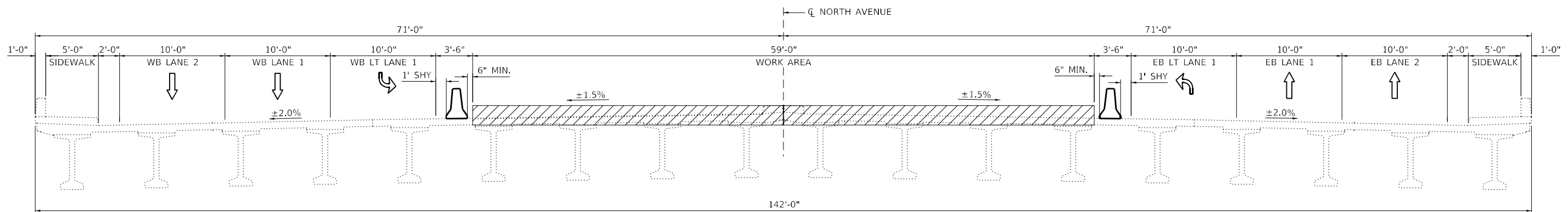
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307	2020-180-BR	DUPAGE	110	21
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHP-BUJE(494)				



EXISTING BRIDGE CROSS SECTION



PRE-STAGE



STAGE I

USER: spohnson
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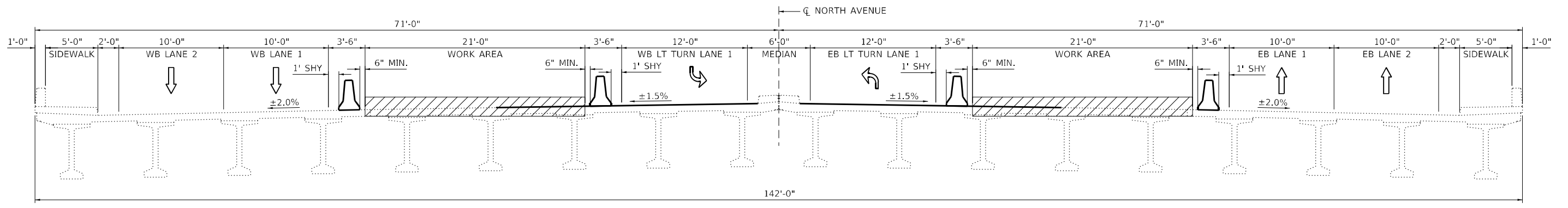
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

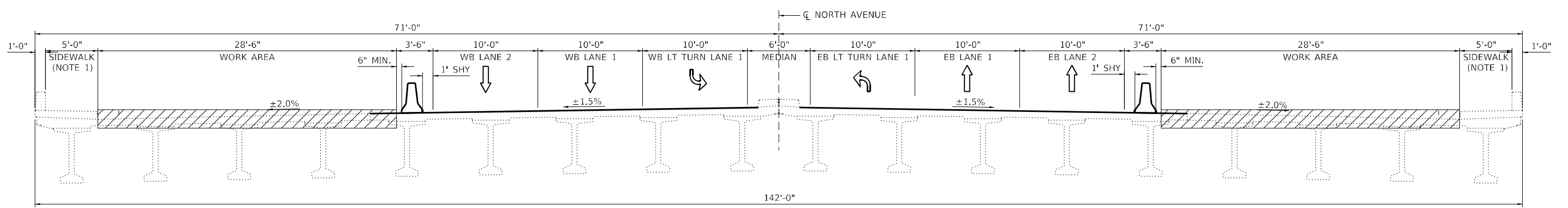
**MAINTENANCE OF TRAFFIC
 TYPICAL SECTIONS**

SCALE: 1/8" = 1'-0" / in. SHEET 2 OF 23 SHEETS STA. Station From TO STA. Station To

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	23
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				



STAGE II



STAGE III

NOTE:
1. MAINTAIN PEDESTRIAN ACCESS PER MOT GENERAL NOTES.

USER: spj@idm.com
 FILE: I:\Projects\62M35-180-000\DOT\PTB_190_14_Phase II_Vocatur\Drawings\WG_20_62M35\CADD\CADD_Sheets\62M35-180-000-64-190-02.dgn
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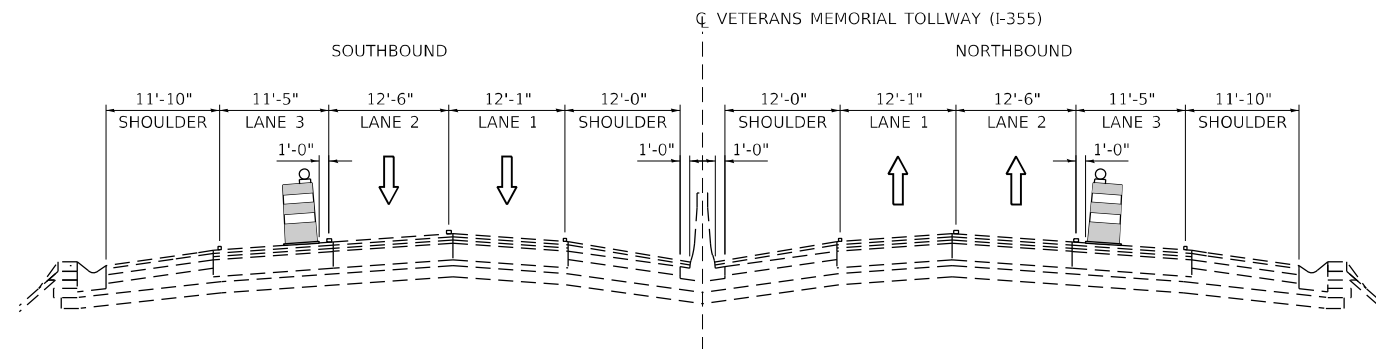


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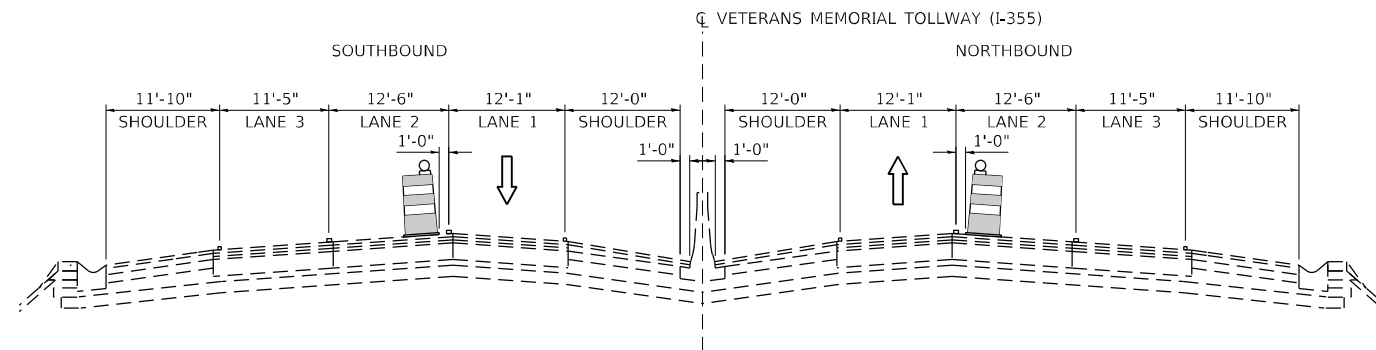
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS			
SCALE: 1/8"=1'-0"	SHEET 3	OF 23 SHEETS	STA. Station From TO STA. Station To

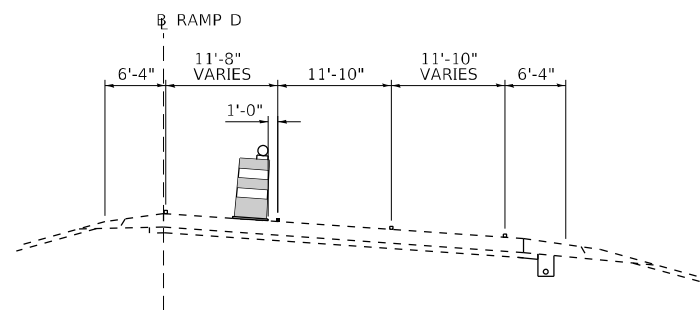
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	24
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHP-01(494)				



I-355 TOLLWAY
SINGLE LANE NIGHT CLOSURE







I-355 TOLLWAY
DOUBLE LANE NIGHT CLOSURE



LEFT LANE CLOSURE
NORTHBOUND I-355 TO IL-64

LEGEND

-  DIRECTION OF TRAFFIC FLOW
-  EXISTING PAVEMENT MARKING
-  PROPOSED PAVEMENT MARKING
-  TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHT @ 50' CENTERS UNLESS OTHERWISE SHOWN

USER: spjohson
 FILE: I:\E:\PLOT\2019_004_IDOT_PTB_190_14_Phase II_Voc-Lane-Closure\WG_20_62M35\CADD\CADD_Sheets\ID162M35-shc-mob-255-typrac.dgn
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

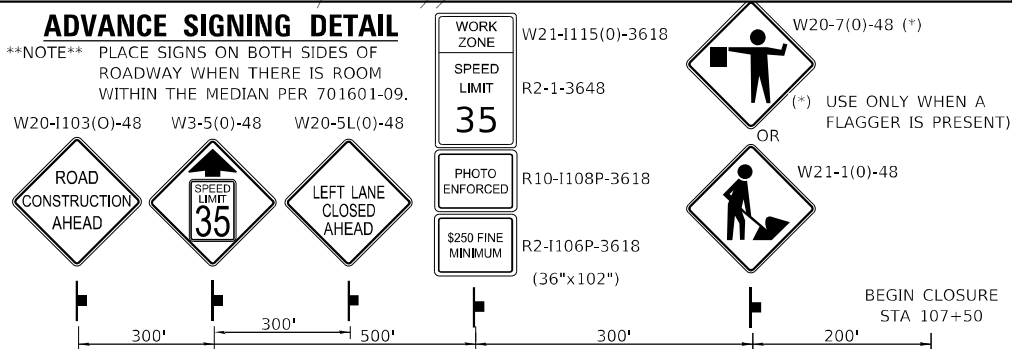
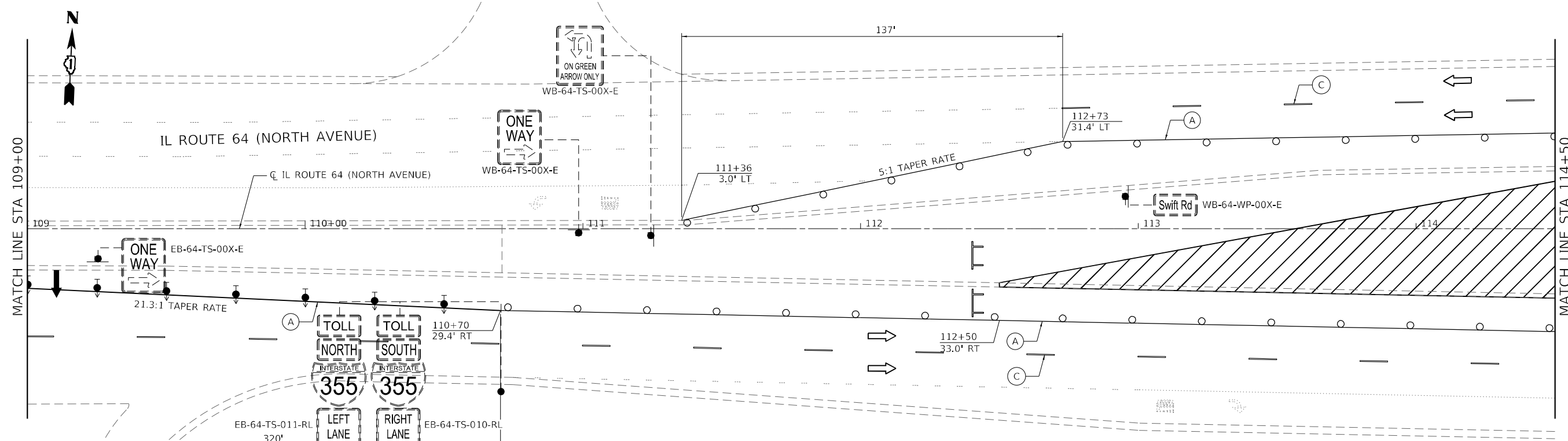
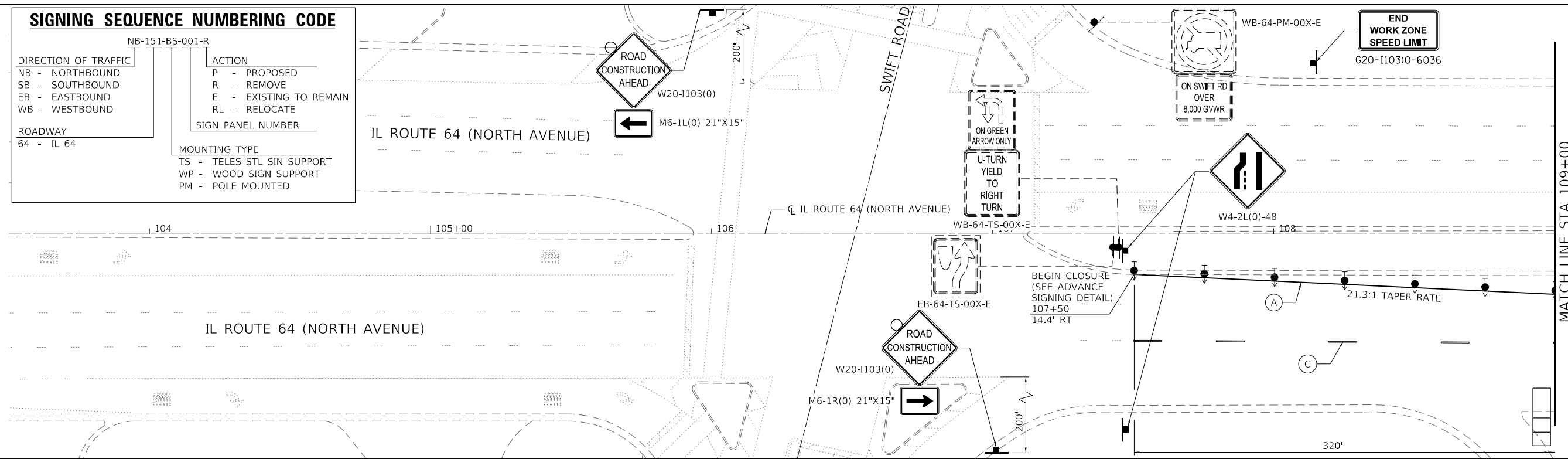
MAINTENANCE OF TRAFFIC
I-355 TOLLWAY - TYPICAL SECTIONS

SCALE: 8000000 * / in. SHEET 4 OF 23 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	25
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				

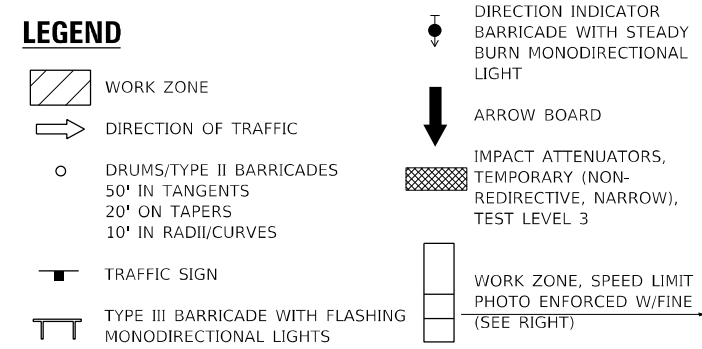
SIGNING SEQUENCE NUMBERING CODE

DIRECTION OF TRAFFIC		ACTION	
NB - NORTHBOUND	P - PROPOSED	R - REMOVE	
SB - SOUTHBOUND	E - EXISTING TO REMAIN	RL - RELOCATE	
EB - EASTBOUND			
WB - WESTBOUND			
ROADWAY		SIGN PANEL NUMBER	
64 - IL 64			
MOUNTING TYPE			
TS - TELES STL SIN SUPPORT			
WP - WOOD SIGN SUPPORT			
PM - POLE MOUNTED			



NOTE

1. SIGN NOTATION
 a. (O) = ORANGE
 b. (T) = TEMPORARY INFORMATION SIGNING
 c. (PM) = RELOCATE TO TELESPEAR STEEL



USER: s00vc
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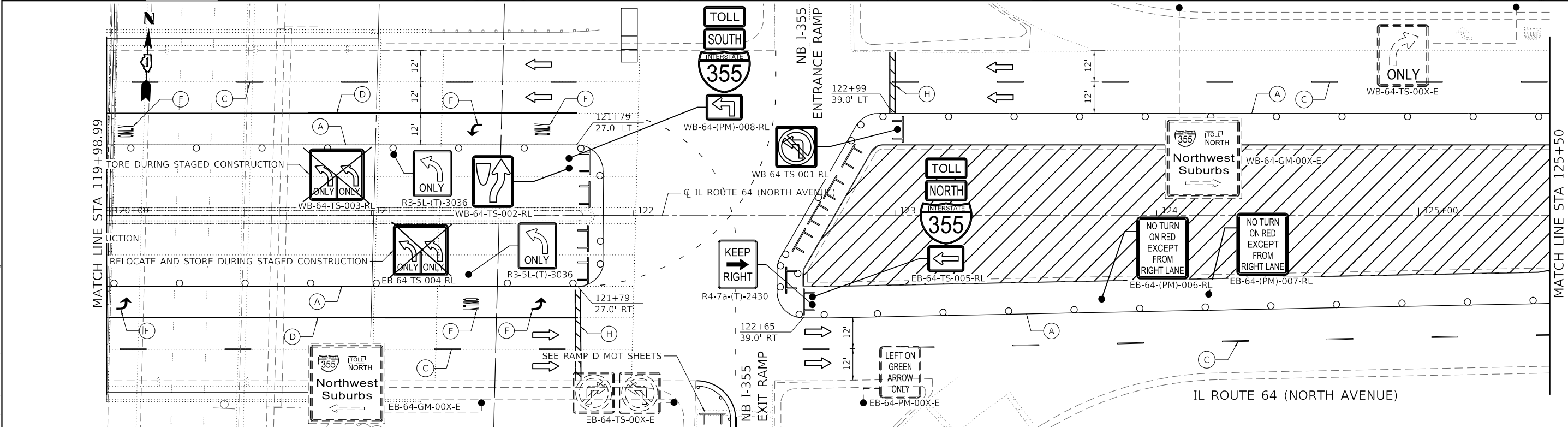
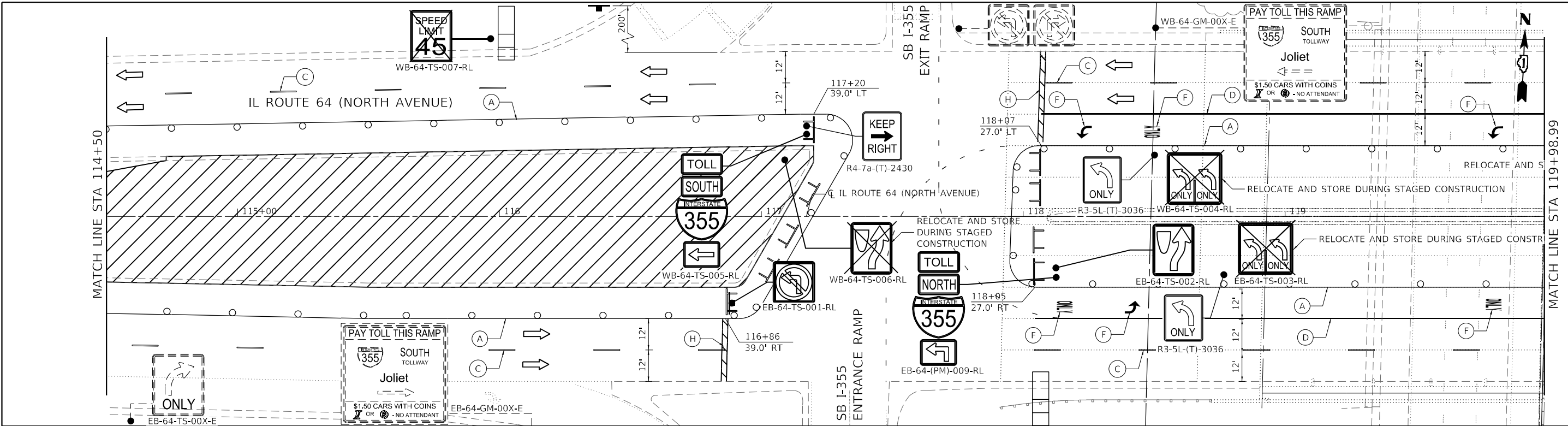


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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

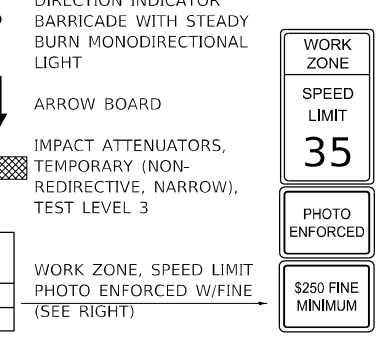
MAINTENANCE OF TRAFFIC
 IL 64 (NORTH AVENUE) - PRE-STAGE AND POST-STAGE
 SCALE: 40,0000 * / in. SHEET 5 OF 23 SHEETS STA. 103+50 TO STA. 114+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	26
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				



NOTE
 1. SIGN NOTATION
 a. (O) = ORANGE
 b. (T) = TEMPORARY INFORMATION SIGNING
 c. (PM) = RELOCATE TO TELESPEAR STEEL

- LEGEND**
- WORK ZONE
 - DIRECTION OF TRAFFIC
 - DRUMS/TYPE II BARRICADES
50' IN TANGENTS
20' ON TAPERS
10' IN RADII/CURVES
 - TRAFFIC SIGN
 - TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
 - ARROW BOARD
 - IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
 - WORK ZONE, SPEED LIMIT PHOTO ENFORCED W/FINE (SEE RIGHT)



- PAVEMENT MARKING LEGEND**
- (A) PAVEMENT MARKING TAPE, TYPE IV 4" (YELLOW, SOLID)
 - (B) PAVEMENT MARKING TAPE, TYPE IV 4" (WHITE, SOLID)
 - (C) PAVEMENT MARKING TAPE, TYPE IV 4" (WHITE, SKIP 30' - DASH 10')
 - (D) PAVEMENT MARKING TAPE, TYPE IV 6" (WHITE, SOLID)
 - (E) PAVEMENT MARKING TAPE, TYPE IV 6" (WHITE, SKIP 6' - DASH 2')
 - (F) PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS
 - (G) PAVEMENT MARKING TAPE, TYPE IV 6" (WHITE, SKIP 9' - DASH 3')
 - (H) PAVEMENT MARKING TAPE, TYPE IV 24" (WHITE, SOLID)



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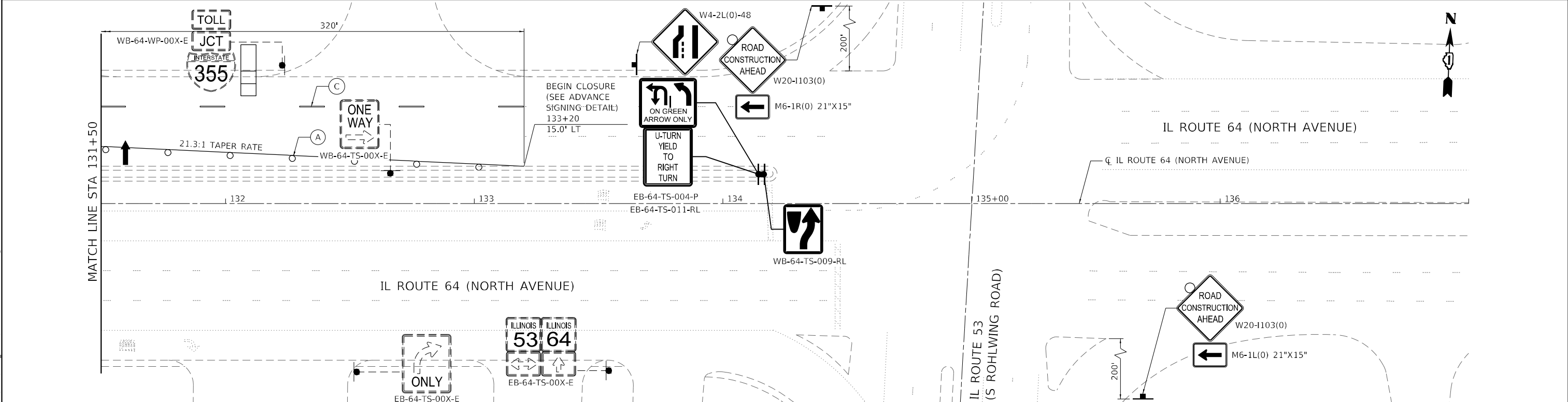
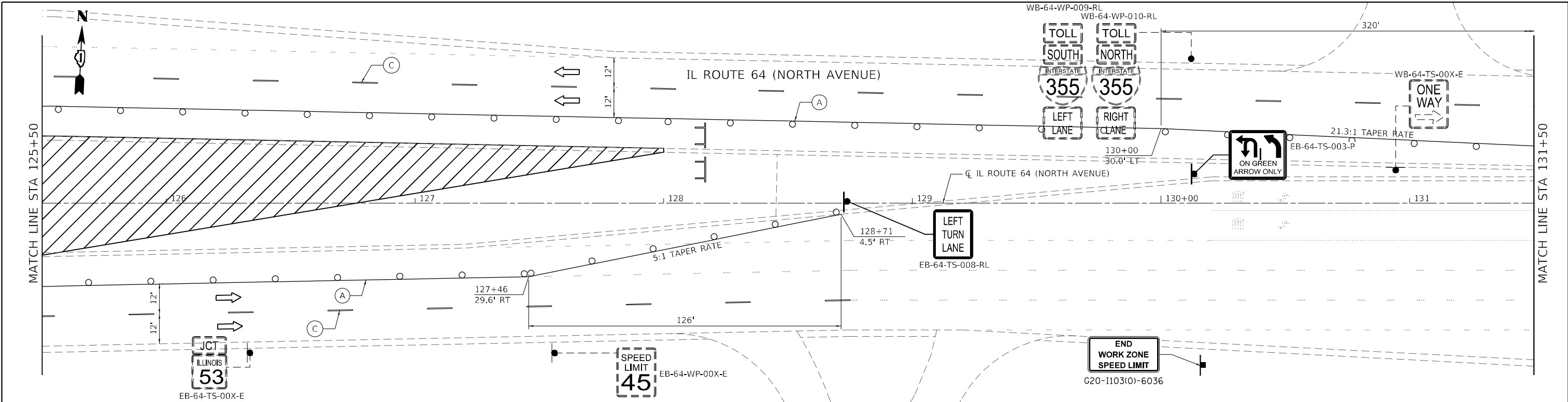
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 IL 64 (NORTH AVENUE) - PRE-STAGE AND POST-STAGE**

SCALE: 40,0000' / in. SHEET 6 OF 23 SHEETS STA. 114+50 TO STA. 125+50

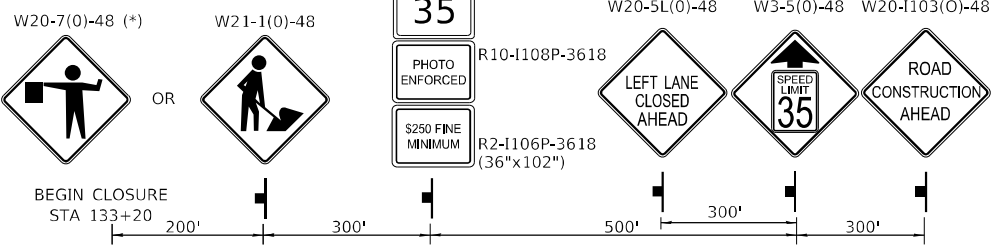
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	27
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				

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ADVANCE SIGNING DETAIL

****NOTE**** PLACE SIGNS ON BOTH SIDES OF ROADWAY WHEN THERE IS ROOM WITHIN THE MEDIAN PER 701601-09.



NOTE

- SIGN NOTATION
 - (O) = ORANGE
 - (T) = TEMPORARY INFORMATION SIGNING
 - (PM) = RELOCATE TO TELESPEAR STEEL



LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- DRUMS/TYPE II BARRICADES
50' IN TANGENTS
20' ON TAPERS
10' IN RADII/CURVES
- TRAFFIC SIGN
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- ARROW BOARD
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
- WORK ZONE, SPEED LIMIT PHOTO ENFORCED W/FINE (SEE RIGHT)

PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING TAPE, TYPE IV 4" (YELLOW, SOLID)
- (B) PAVEMENT MARKING TAPE, TYPE IV 4" (WHITE, SOLID)
- (C) PAVEMENT MARKING TAPE, TYPE IV 4" (WHITE, SKIP 30' - DASH 10')
- (D) PAVEMENT MARKING TAPE, TYPE IV 6" (WHITE, SOLID)
- (E) PAVEMENT MARKING TAPE, TYPE IV 6" (WHITE, SKIP 6' - DASH 2')
- (F) PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS
- (G) PAVEMENT MARKING TAPE, TYPE IV 6" (WHITE, SKIP 9' - DASH 3')
- (H) PAVEMENT MARKING TAPE, TYPE IV 24" (WHITE, SOLID)

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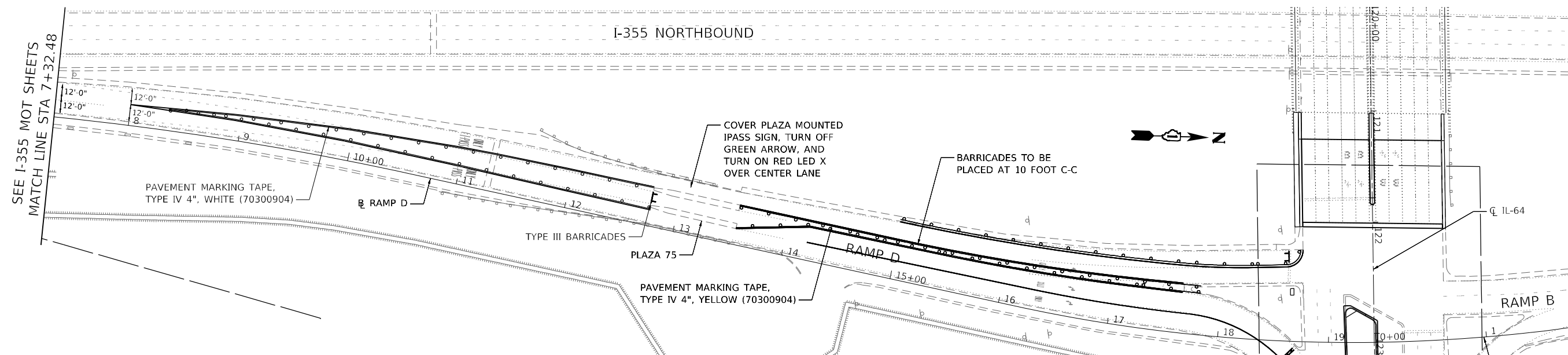
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

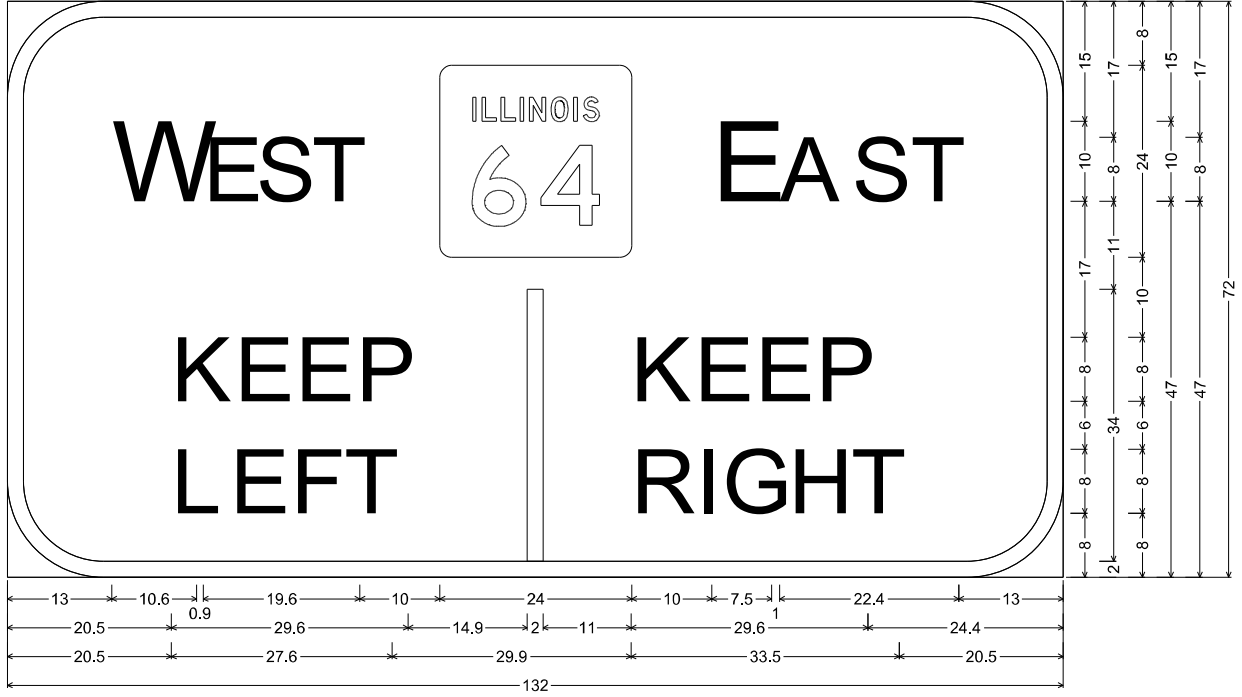
MAINTENANCE OF TRAFFIC
IL 64 (NORTH AVENUE) - PRE-STAGE AND POST-STAGE

F.A.P. RTE. 307	SECTION 2020-180-BR	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 28
CONTRACT NO. 62M35			ILLINOIS FED. AID PROJECT NHPP-BUJE(494)	

SCALE: 40,0000 * / in. SHEET 7 OF 23 SHEETS STA. 125+50 TO STA. 137+00



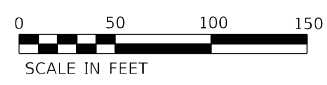
THIS SIGN SHALL BE PLACED 500 FT BEFORE THE LANE SPLIT



12.0" Radius, 2.0" Border, Black on, Orange;
 "WEST" Black, E 2K 55% spacing; "EAST" Black, E 2K; "KEEP" Black, E 2K; "LEFT" Black, E 2K; Vertical Line Black;
 "KEEP" Black, E 2K; "RIGHT" Black, E 2K;

Table of widths and spaces

13.0	10.6	0.9	6.0	0.6	6.5	0.5	6.0	10.0	24.0	10.0	7.5	1.0	8.1	0.9	6.5	0.9	6.0	13.0
20.5	6.6	1.3	6.0	1.6	6.0	1.6	6.5	14.9	2.0	11.0	6.6	1.3	6.0	1.6	6.0	1.6	6.5	24.4
20.5	6.0	1.4	6.0	1.6	6.0	0.6	6.0	29.9	6.5	1.6	1.4	1.9	6.4	1.9	6.5	1.3	6.0	20.5



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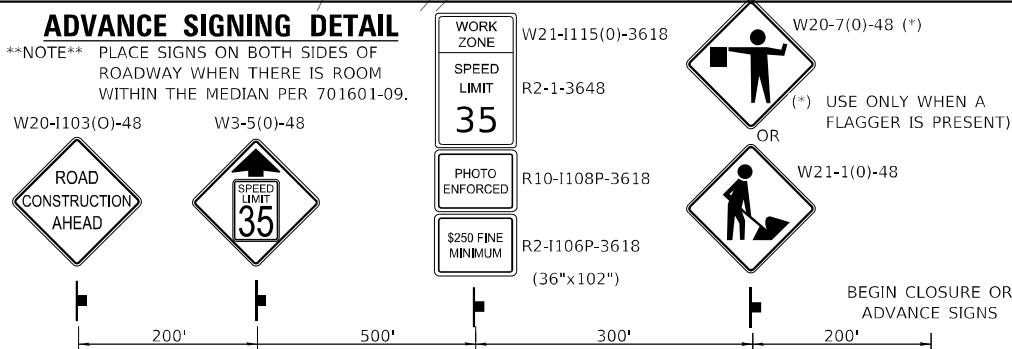
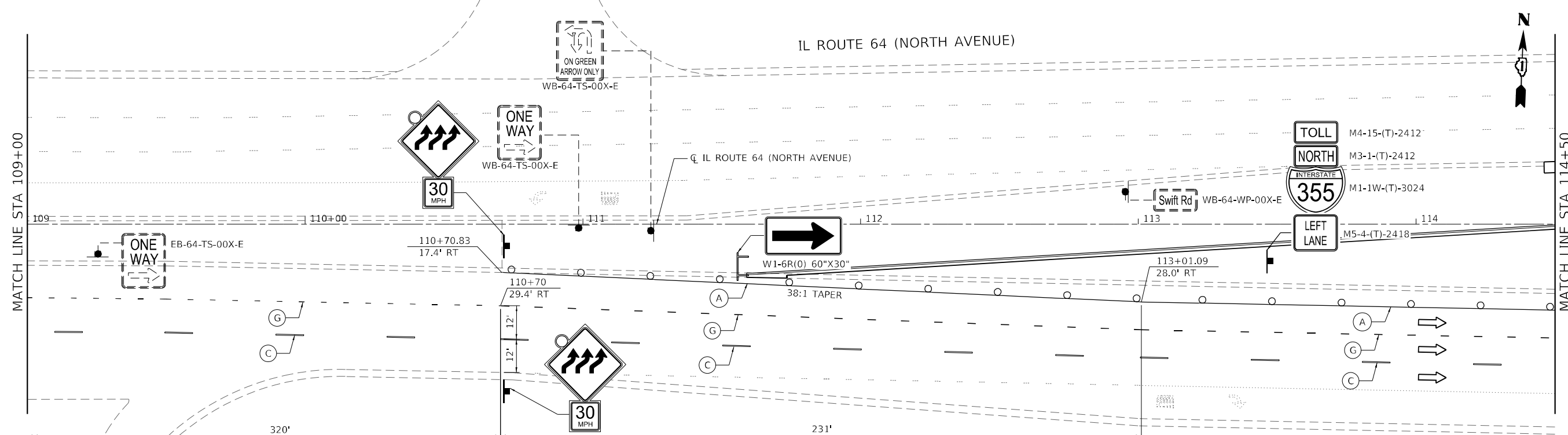
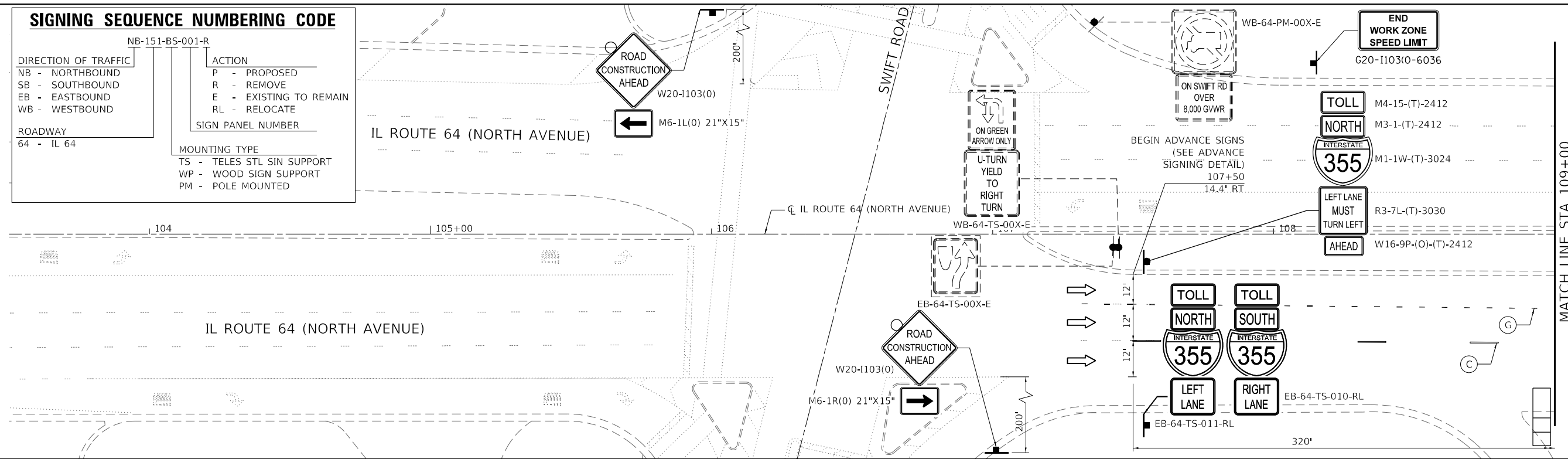
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC RAMP D		
SCALE: 100,0000' / in	SHEET 8	OF 23 SHEETS
STA. 7+32.48	TO STA. 18+78.86	

F.A.P. RTE. 307	SECTION 2020-180-BR	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 29
CONTRACT NO. 62M35			ILLINOIS FED. AID PROJECT NHPB-BUJE(494)	

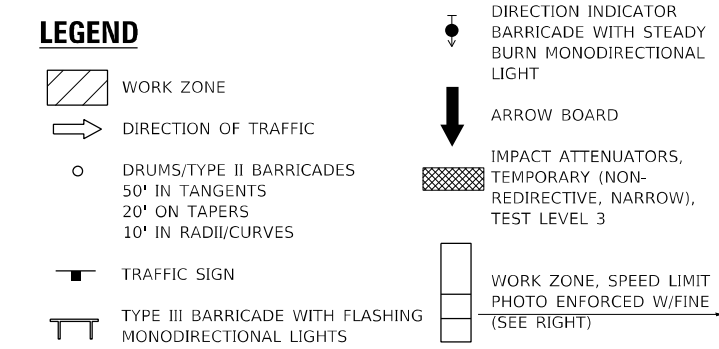
SIGNING SEQUENCE NUMBERING CODE

DIRECTION OF TRAFFIC		ACTION	
NB - NORTHBOUND	P - PROPOSED	R - REMOVE	
SB - SOUTHBOUND	E - EXISTING TO REMAIN	RL - RELOCATE	
EB - EASTBOUND			
WB - WESTBOUND			
ROADWAY		SIGN PANEL NUMBER	
64 - IL 64			
MOUNTING TYPE			
TS - TELES STL SIN SUPPORT			
WP - WOOD SIGN SUPPORT			
PM - POLE MOUNTED			

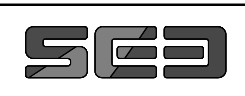


NOTE

1. SIGN NOTATION
 a. (O) = ORANGE
 b. (T) = TEMPORARY INFORMATION SIGNING
 c. (PM) = RELOCATE TO TELESPEAR STEEL



USER: s00vc
 C:\PLOT\PLT\PLT
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PLOT SCALE = 40,0000' / in.	CHECKED - PJM	REVISED -
PLOT DATE = 9/17/2021 11:26:57 AM	DATE - 08/06/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
IL 64 (NORTH AVENUE) - STAGE I

F.A.P. RTE. 307	SECTION 2020-180-BR	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 30
CONTRACT NO. 62M35			ILLINOIS FED. AID PROJECT NHPP-BUJE(494)	

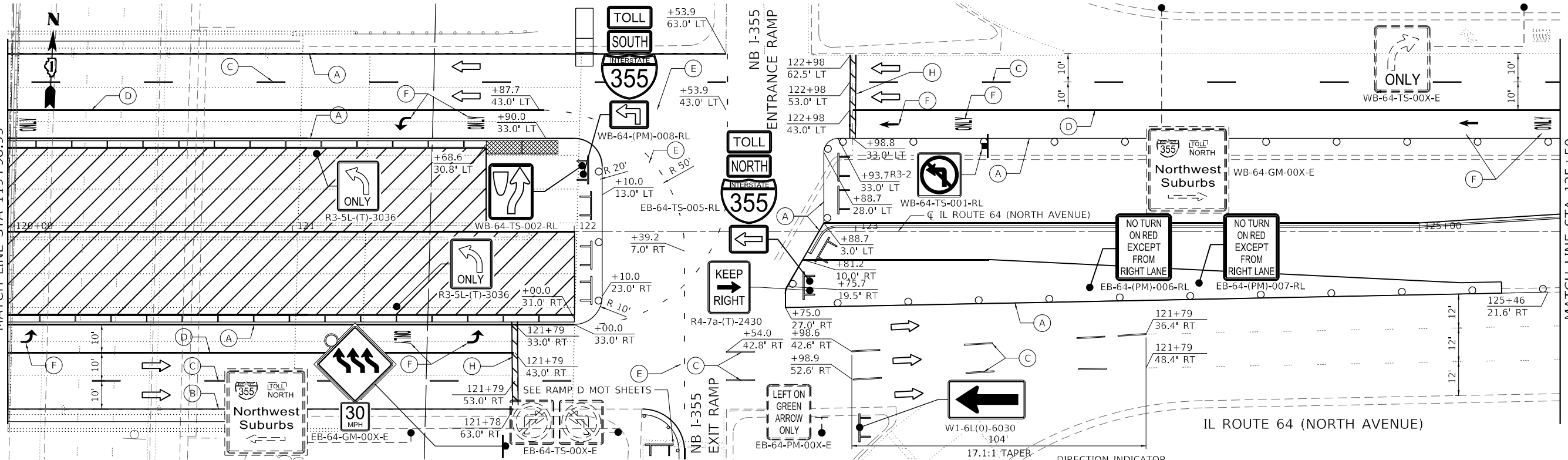
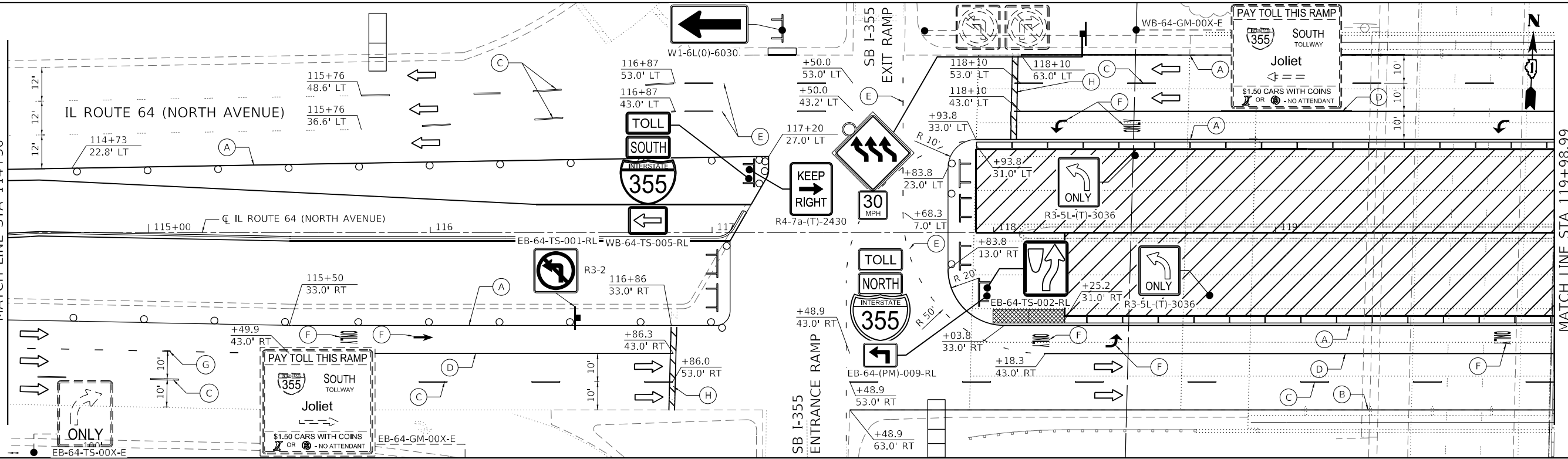
SCALE: 40,0000' / in. SHEET 9 OF 23 SHEETS STA. 103+50 TO STA. 114+50

MATCH LINE STA 114+50

MATCH LINE STA 119+98.99

MATCH LINE STA 119+98.99

MATCH LINE STA 125+50



NOTE

- SIGN NOTATION
 - (O) = ORANGE
 - (T) = TEMPORARY INFORMATION SIGNING
 - (PM) = RELOCATE TO TELESPEAR STEEL

LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- DRUMS/TYPE II BARRICADES: 50' IN TANGENTS, 20' ON TAPERS, 10' IN RADII/CURVES
- TRAFFIC SIGN
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ARROW BOARD
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
- WORK ZONE, SPEED LIMIT PHOTO ENFORCED W/FINE (SEE RIGHT)

PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING TAPE, TYPE IV 4" (YELLOW, SOLID)
- (B) PAVEMENT MARKING TAPE, TYPE IV 4" (WHITE, SOLID)
- (C) PAVEMENT MARKING TAPE, TYPE IV 4" (WHITE, SKIP 30' - DASH 10')
- (D) PAVEMENT MARKING TAPE, TYPE IV 6" (WHITE, SOLID)
- (E) PAVEMENT MARKING TAPE, TYPE IV 6" (WHITE, SKIP 6' - DASH 2')
- (F) PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS
- (G) PAVEMENT MARKING TAPE, TYPE IV 6" (WHITE, SKIP 9' - DASH 3')
- (H) PAVEMENT MARKING TAPE, TYPE IV 24" (WHITE, SOLID)



USER: spohnson
 PLOT DRIVER = pdfnolayersbwj,rlrfg
 PEN TABLE = D162M35-PLOT.JHM
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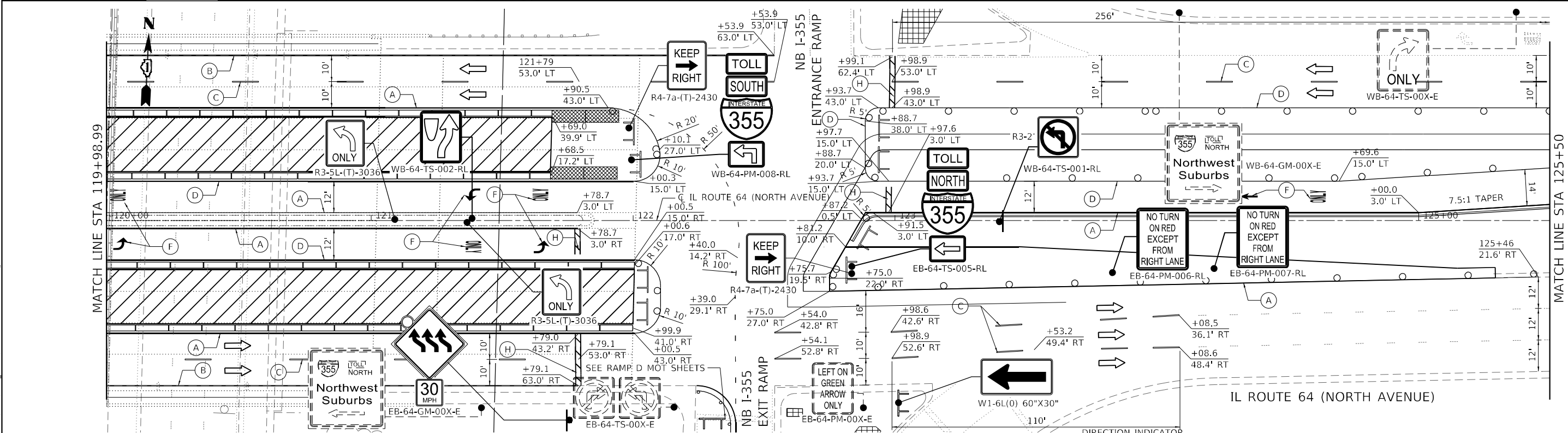
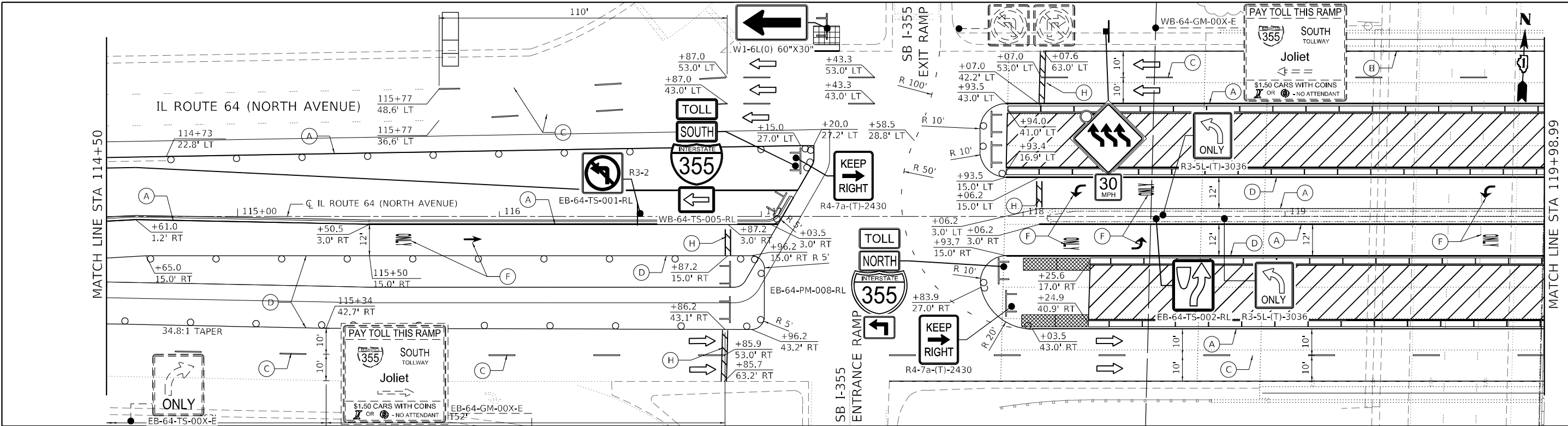
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
IL 64 (NORTH AVENUE) - STAGE I**

SCALE: 40,0000 * / in. SHEET 10 OF 23 SHEETS STA. 114+50 TO STA. 125+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	31
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				



NOTE
 1. SIGN NOTATION
 a. (O) = ORANGE
 b. (T) = TEMPORARY INFORMATION SIGNING
 c. (PM) = RELOCATE TO TELESPEAR STEEL

LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- DRUMS/TYPE II BARRICADES
50' IN TANGENTS
20' ON TAPERS
10' IN RADII/CURVES
- TRAFFIC SIGN
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ARROW BOARD
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
- WORK ZONE, SPEED LIMIT PHOTO ENFORCED W/FINE (SEE RIGHT)

PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING TAPE, TYPE IV 4" (YELLOW, SOLID)
- (B) PAVEMENT MARKING TAPE, TYPE IV 4" (WHITE, SOLID)
- (C) PAVEMENT MARKING TAPE, TYPE IV 4" (WHITE, SKIP 30' - DASH 10')
- (D) PAVEMENT MARKING TAPE, TYPE IV 6" (WHITE, SOLID)
- (E) PAVEMENT MARKING TAPE, TYPE IV 6" (WHITE, SKIP 6' - DASH 2')
- (F) PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS
- (G) PAVEMENT MARKING TAPE, TYPE IV 6" (WHITE, SKIP 9' - DASH 3')
- (H) PAVEMENT MARKING TAPE, TYPE IV 24" (WHITE, SOLID)



USER: spjohson
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 PEN TABLE = D162M35-PLOT.HM
 PLOT SCALE = 40,0000 * / in.
 PLOT DATE = 8/12/2021 4:46:11 PM



DESIGNED - AWH	REVISED -
DRAWN - SVJ	REVISED -
CHECKED - PJM	REVISED -
DATE - 08/06/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

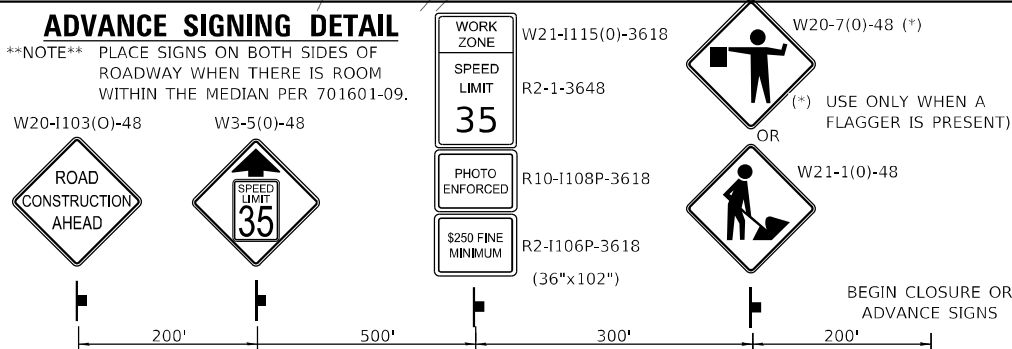
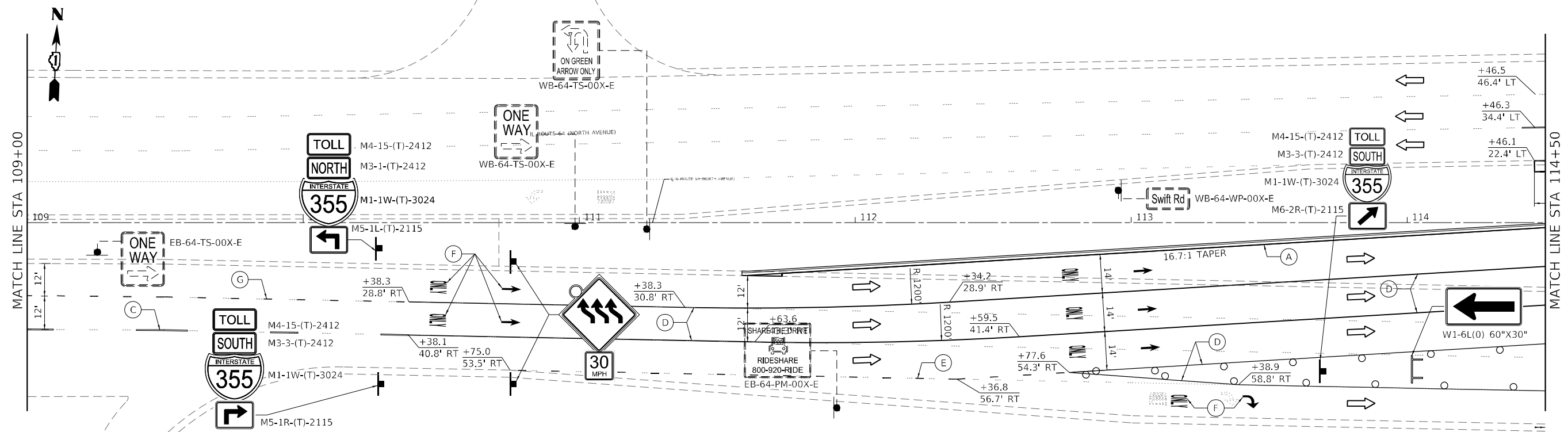
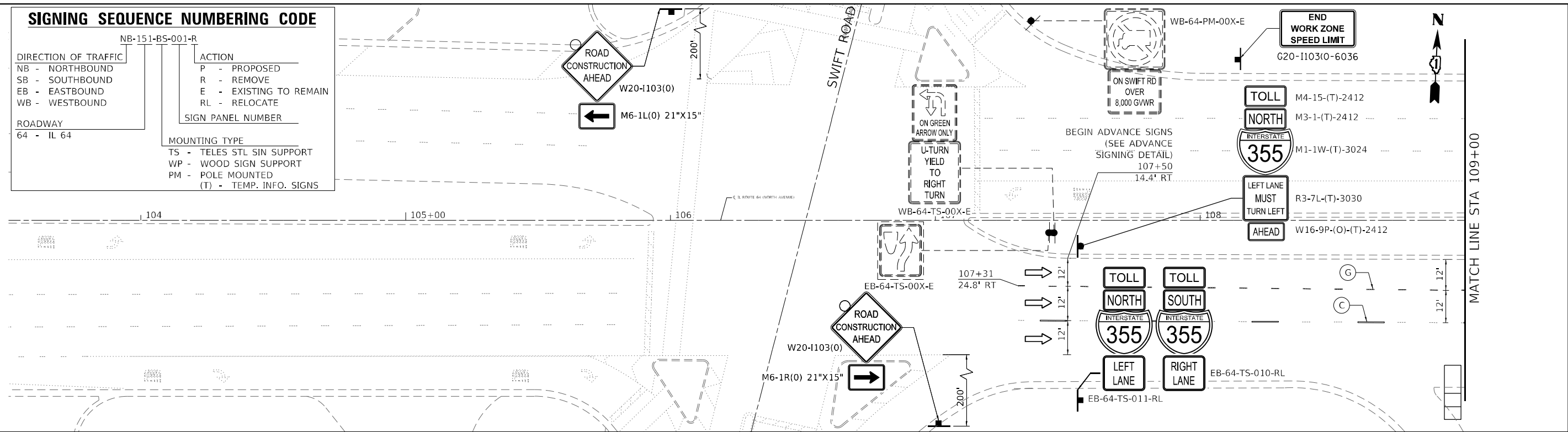
**MAINTENANCE OF TRAFFIC
 IL 64 (NORTH AVENUE) - STAGE II**

SCALE: 40,0000 * / in. SHEET 13 OF 23 SHEETS STA. 114+50 TO STA. 125+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	34
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				

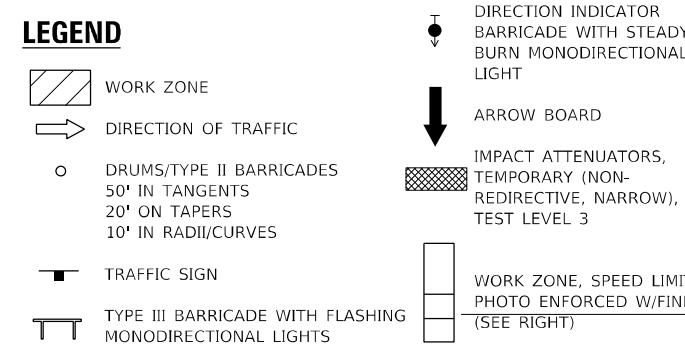
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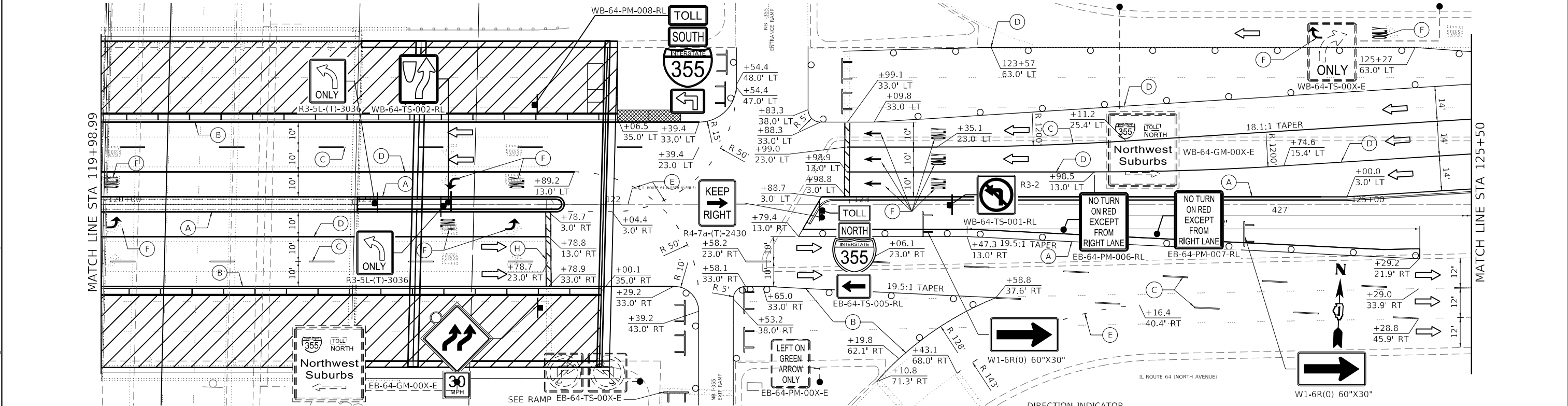
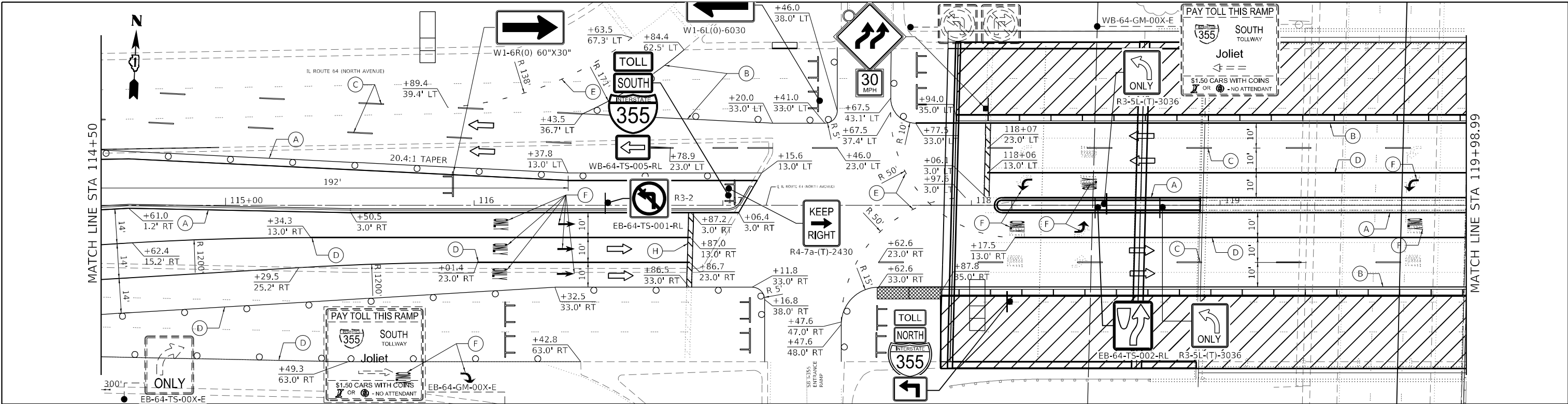
DIRECTION OF TRAFFIC		ACTION	
NB - NORTHBOUND	P - PROPOSED	R - REMOVE	
SB - SOUTHBOUND	E - EXISTING TO REMAIN	RL - RELOCATE	
EB - EASTBOUND			
WB - WESTBOUND			
ROADWAY		SIGN PANEL NUMBER	
64 - IL 64			
MOUNTING TYPE			
TS - TELES STL SIN SUPPORT			
WP - WOOD SIGN SUPPORT			
PM - POLE MOUNTED			
(T) - TEMP. INFO. SIGNS			



NOTE

1. SIGN NOTATION
 a. (O) = ORANGE
 b. (T) = TEMPORARY INFORMATION SIGNING
 c. (PM) = RELOCATE TO TELESPEAR STEEL





NOTE

- 1. SIGN NOTATION
 - a. (O) = ORANGE
 - b. (T) = TEMPORARY INFORMATION SIGNING
 - c. (PM) = RELOCATE TO TELESAR STEEL

LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- DRUMS/TYPE II BARRICADES
50' IN TANGENTS
20' ON TAPERS
10' IN RADII/CURVES
- TRAFFIC SIGN
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ARROW BOARD
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
- WORK ZONE, SPEED LIMIT PHOTO ENFORCED W/FINE (SEE RIGHT)

PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING TAPE, TYPE IV 4" (YELLOW, SOLID)
- (B) PAVEMENT MARKING TAPE, TYPE IV 4" (WHITE, SOLID)
- (C) PAVEMENT MARKING TAPE, TYPE IV 4" (WHITE, SKIP 30' - DASH 10')
- (D) PAVEMENT MARKING TAPE, TYPE IV 6" (WHITE, SOLID)
- (E) PAVEMENT MARKING TAPE, TYPE IV 6" (WHITE, SKIP 6' - DASH 2')
- (F) PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS
- (G) PAVEMENT MARKING TAPE, TYPE IV 6" (WHITE, SKIP 9' - DASH 3')
- (H) PAVEMENT MARKING TAPE, TYPE IV 24" (WHITE, SOLID)



WORK ZONE
SPEED LIMIT
35
PHOTO ENFORCED
\$250 FINE MINIMUM

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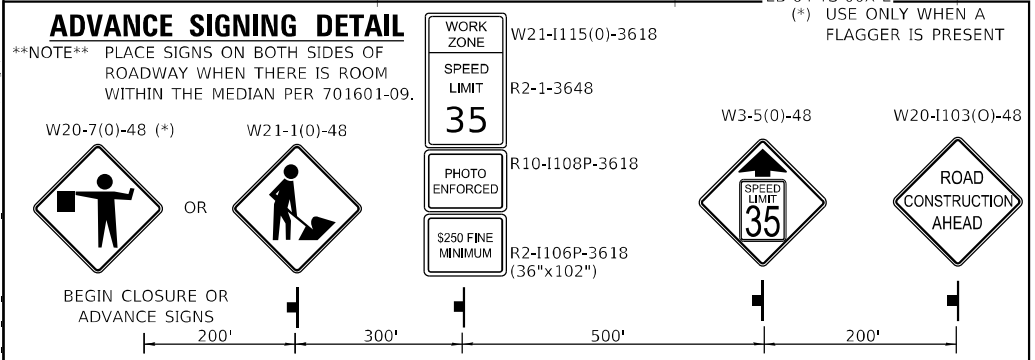
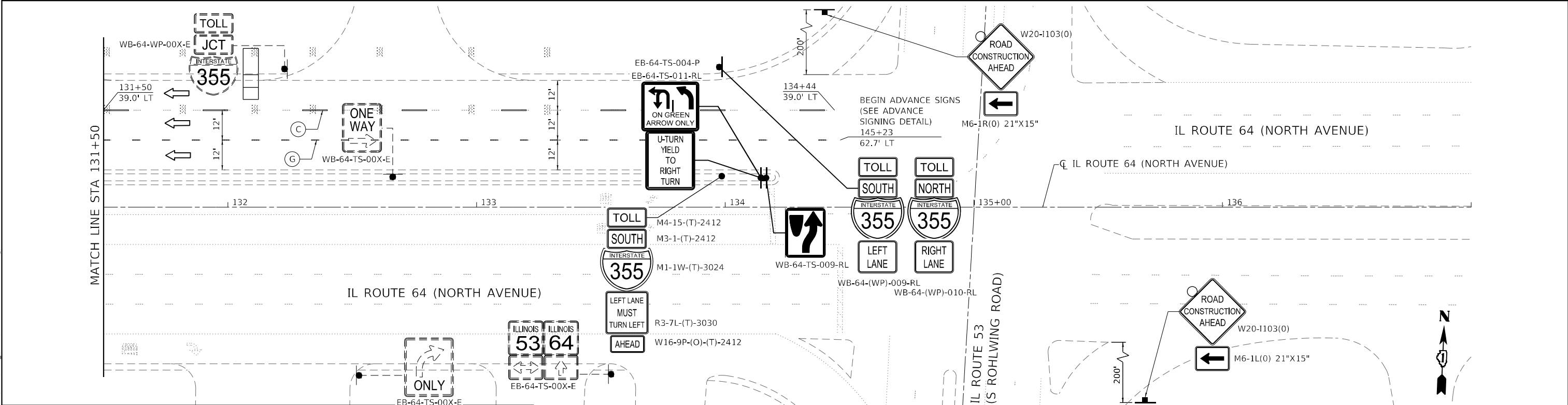
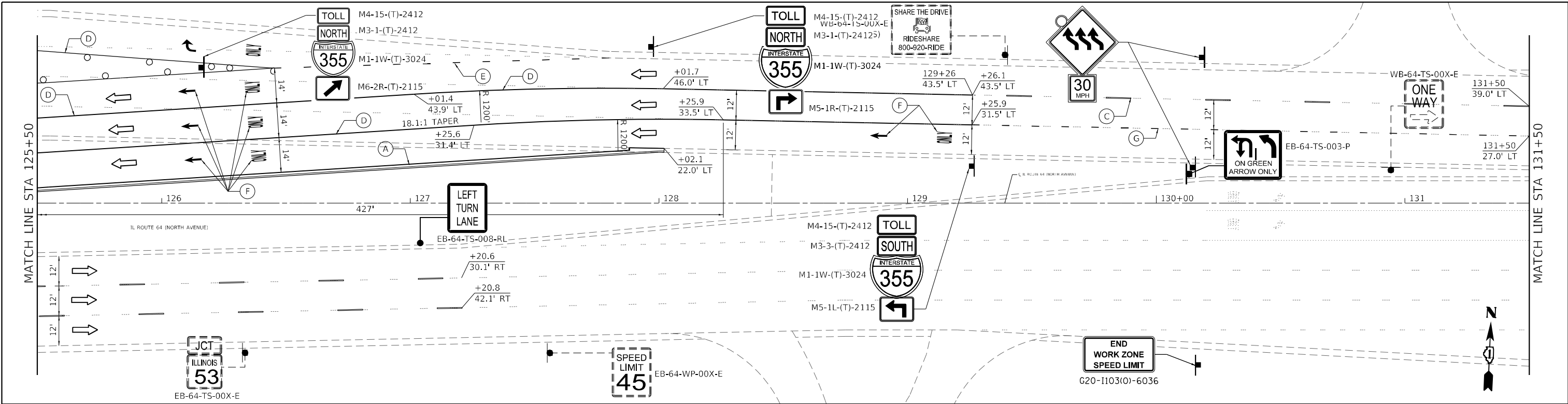


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC IL 64 (NORTH AVENUE) - STAGE III		
SCALE: 40,0000 * / in.	SHEET 16 OF 23 SHEETS	STA. 114+50 TO STA. 125+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	37
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				

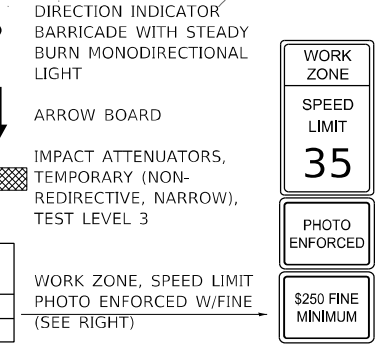


NOTE

- SIGN NOTATION
 - (O) = ORANGE
 - (T) = TEMPORARY INFORMATION SIGNING
 - (PM) = RELOCATE TO TELESPEAR STEEL

LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC
- DRUMS/TYPE II BARRICADES
50' IN TANGENTS
20' ON TAPERS
10' IN RADII/CURVES
- TRAFFIC SIGN
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ARROW BOARD
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
- WORK ZONE, SPEED LIMIT PHOTO ENFORCED W/FINE (SEE RIGHT)



PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING TAPE, TYPE IV 4" (YELLOW, SOLID)
- (B) PAVEMENT MARKING TAPE, TYPE IV 4" (WHITE, SOLID)
- (C) PAVEMENT MARKING TAPE, TYPE IV 4" (WHITE, SKIP 30' - DASH 10')
- (D) PAVEMENT MARKING TAPE, TYPE IV 6" (WHITE, SOLID)
- (E) PAVEMENT MARKING TAPE, TYPE IV 6" (WHITE, SKIP 6' - DASH 2')
- (F) PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS
- (G) PAVEMENT MARKING TAPE, TYPE IV 6" (WHITE, SKIP 9' - DASH 3')
- (H) PAVEMENT MARKING TAPE, TYPE IV 24" (WHITE, SOLID)

USER: s04vc
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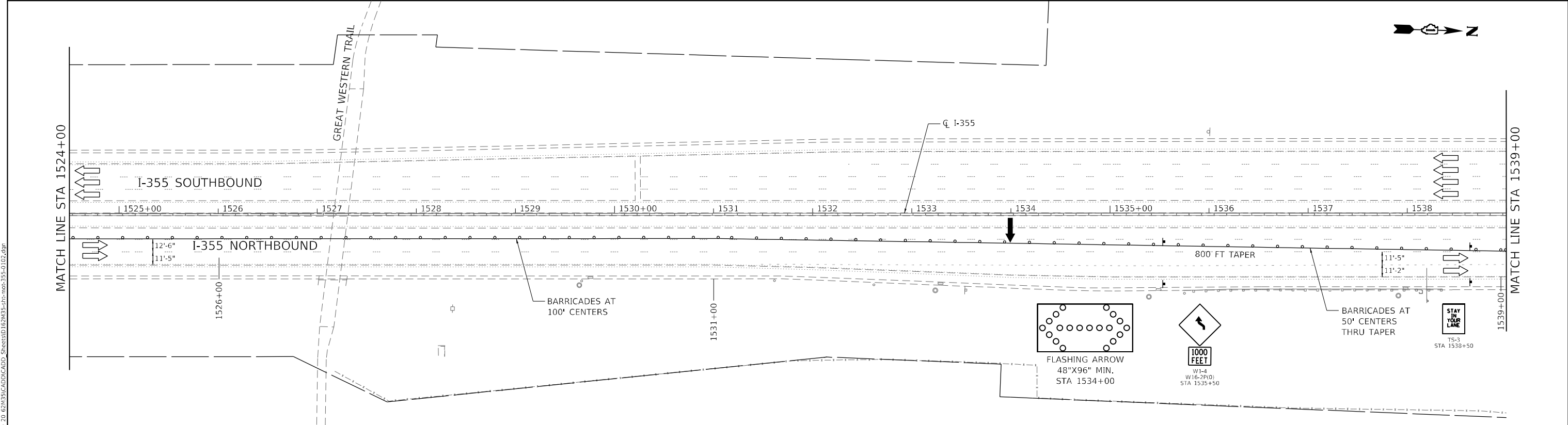
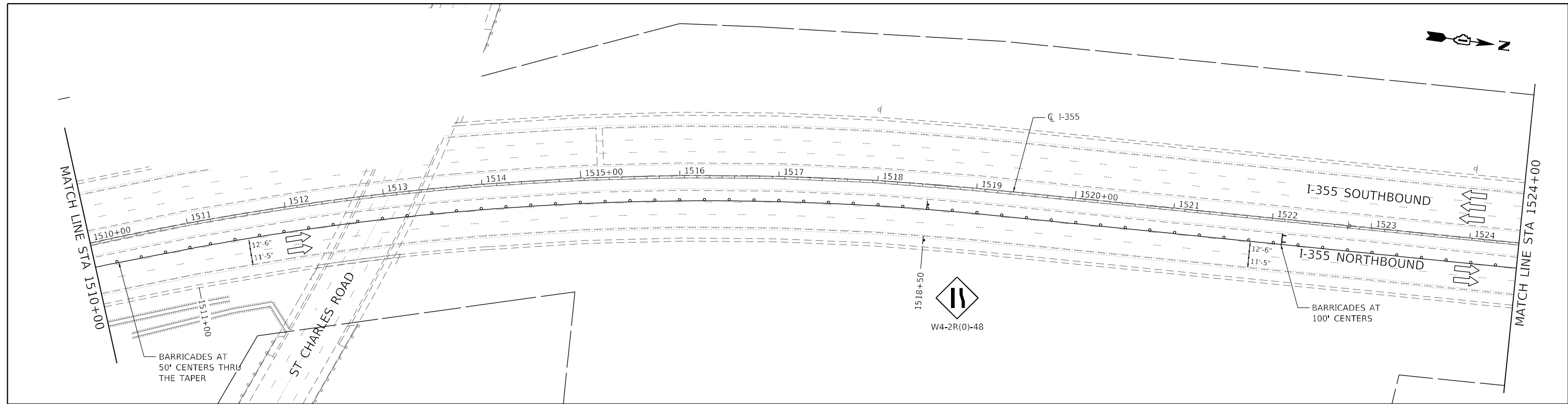
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IL 64 (NORTH AVENUE) - STAGE III		307	2020-180-BR	DUPAGE	110	38
SCALE: 40,0000' / in.		SHEET 17 OF 23 SHEETS		STA. 125+50 TO STA. 137+00	CONTRACT NO. 62M35	

ILLINOIS	FED. AID PROJECT	NHPP-BUJE(494)
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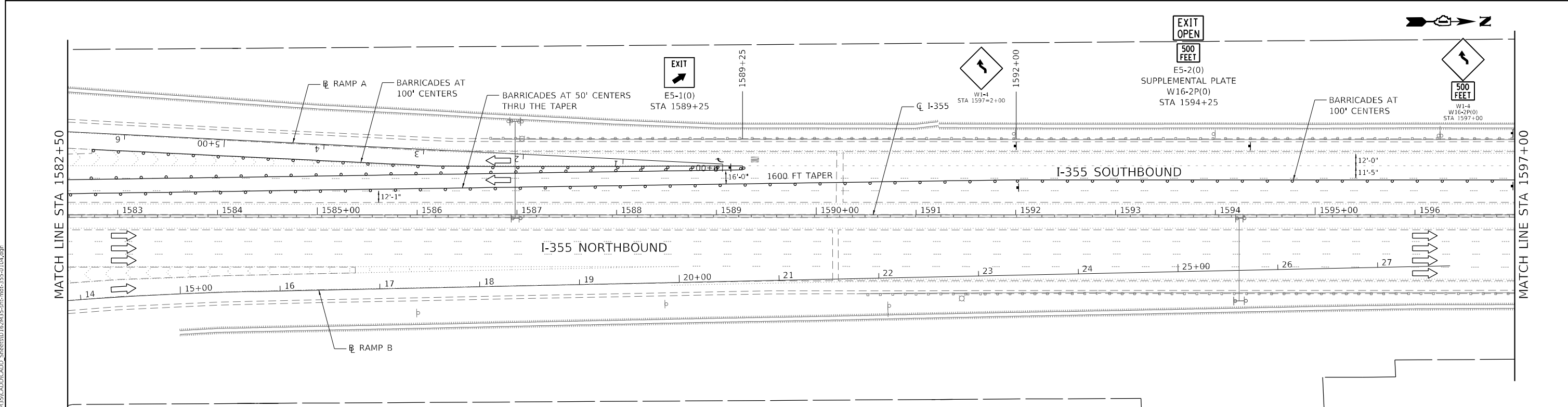
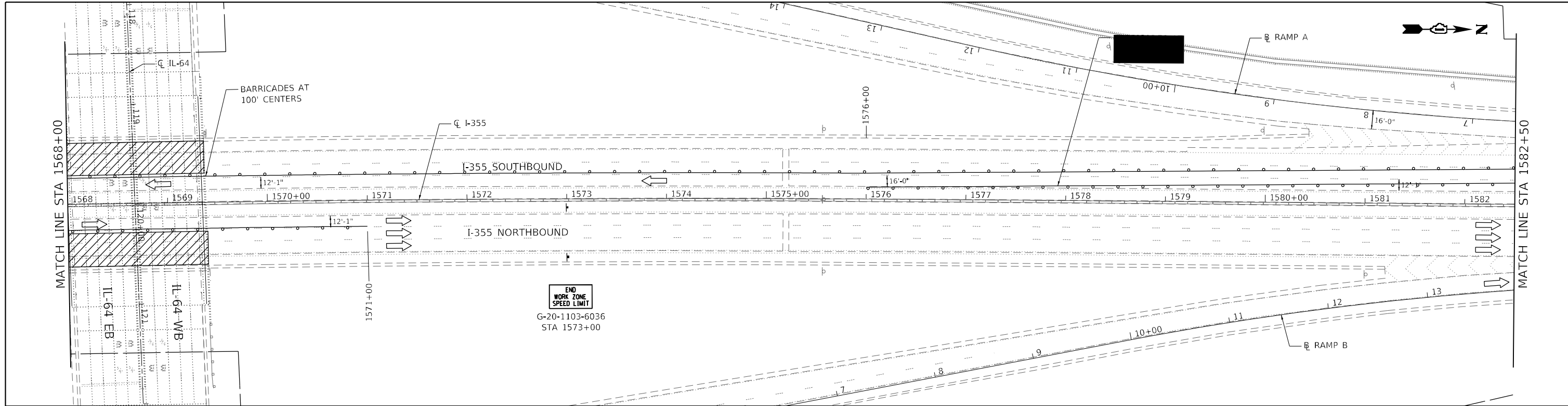
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 I-355 TOLLWAY STAGE I**

SCALE: 100,0000 ' / in SHEET 19 OF 23 SHEETS STA. 1510+00 TO STA. 1539+00

F.A.P. RTE. 307	SECTION 2020-180-BR	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 40
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)			CONTRACT NO. 62M35	



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

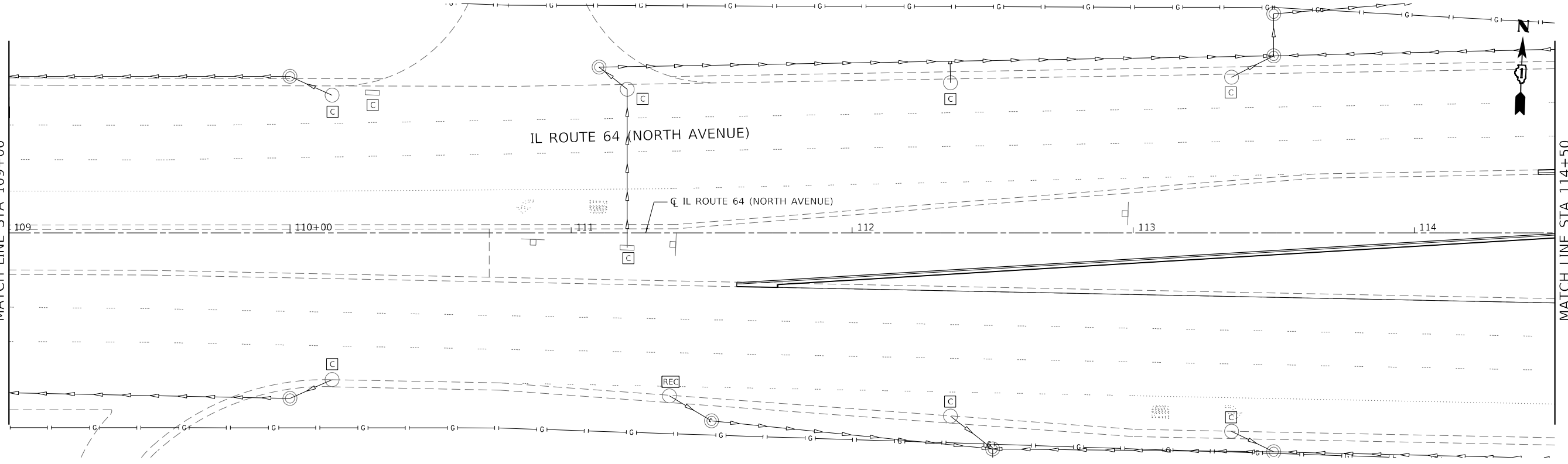
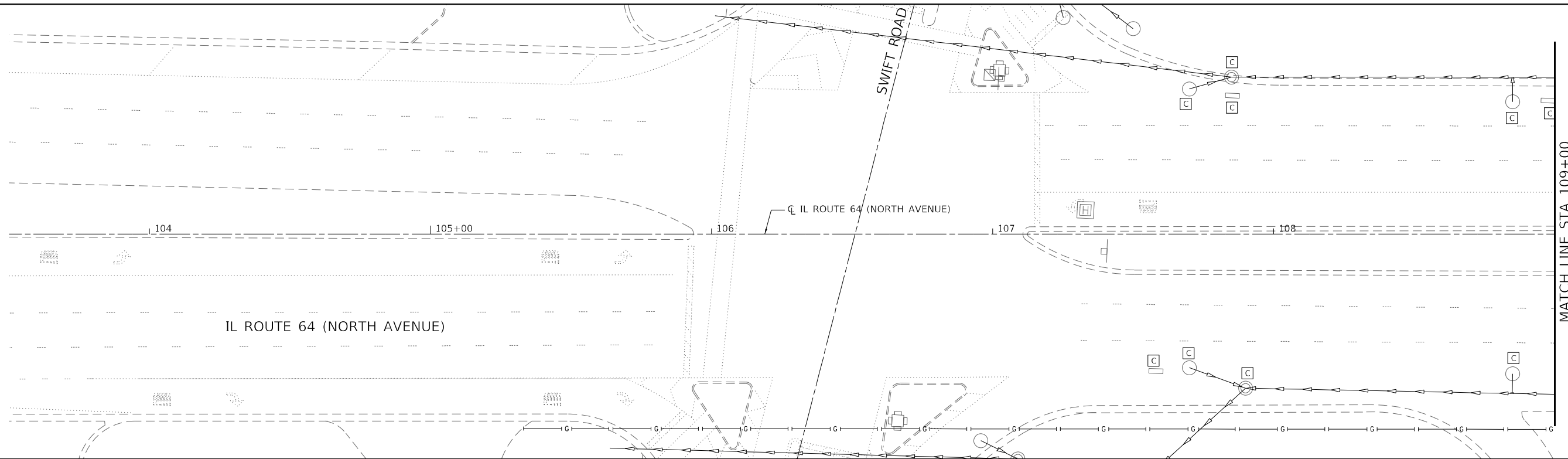
MAINTENANCE OF TRAFFIC
I-355 TOLLWAY STAGE I

SCALE: 100,0000' / in SHEET 21 OF 23 SHEETS STA. 1568+00 TO STA. 1597+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	42
CONTRACT NO. 62M35				

ILLINOIS FED. AID PROJECT NHPP-BUJE(494)

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LEGEND

- C STRUCTURE TO BE CLEANED
- REC STRUCTURE TO BE RECONSTRUCTED
- ADJ STRUCTURE TO BE ADJUSTED

NOTES:
 1. FOR STRUCTURES TO BE ADJUSTED OR RECONSTRUCTED, THE ADJACENT COMBINATION CURB AND GUTTER WILL BE REMOVED AND REPLACED PER DETAIL "CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT" AND WILL BE PAID AS COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET PER LINEAR FOOT.



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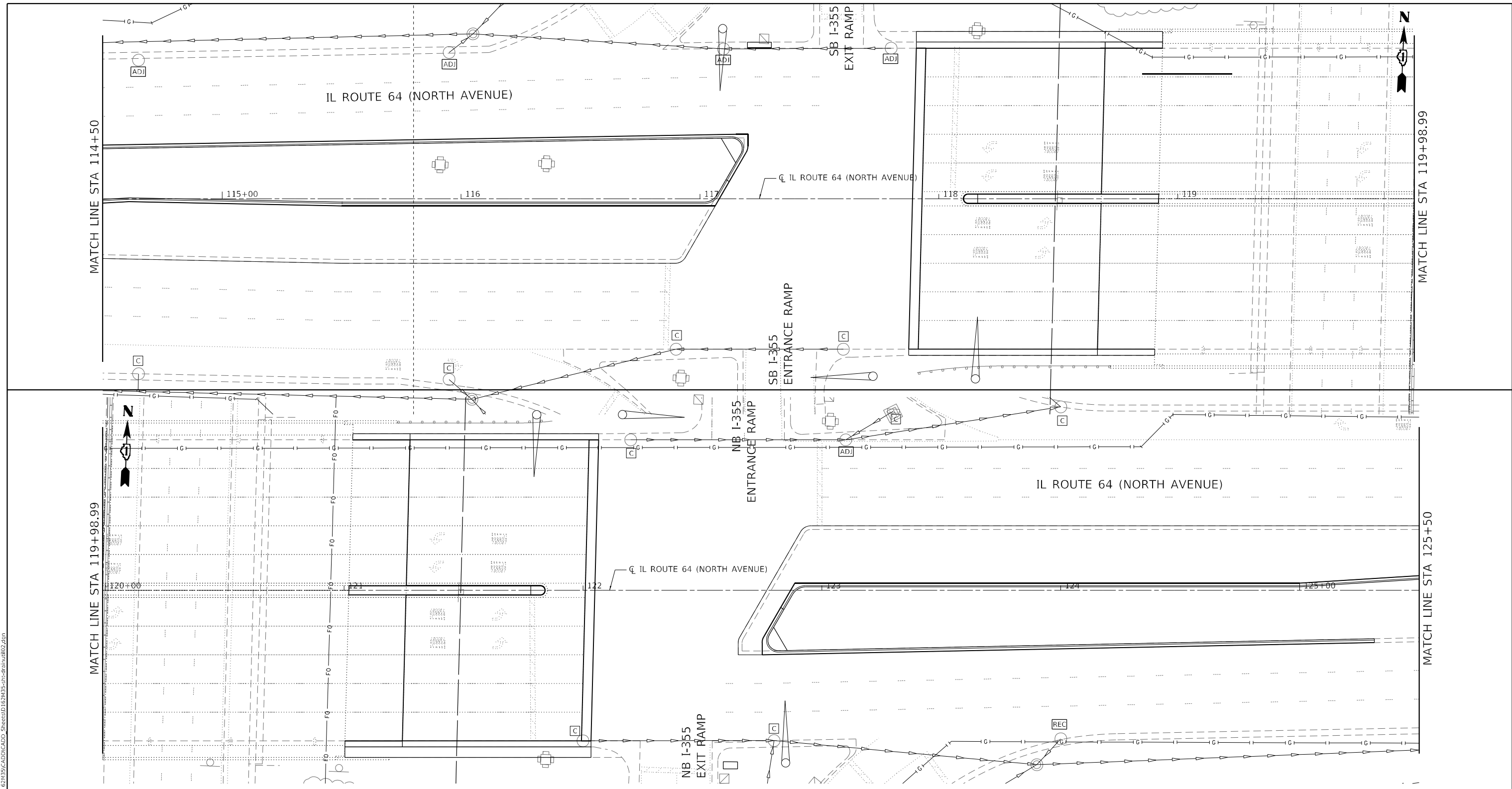
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLAN
 IL 64 (NORTH AVENUE)**

SCALE: 40,0000 ' / in. SHEET 1 OF 3 SHEETS STA. 103+50 TO STA. 114+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	45
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				

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LEGEND

- C STRUCTURE TO BE CLEANED
- REC STRUCTURE TO BE RECONSTRUCTED
- ADJ STRUCTURE TO BE ADJUSTED

NOTES:
 1. FOR STRUCTURES TO BE ADJUSTED OR RECONSTRUCTED, THE ADJACENT COMBINATION CURB AND GUTTER WILL BE REMOVED AND REPLACED PER DETAIL "CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT" AND WILL BE PAID AS COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET PER LINEAR FOOT.



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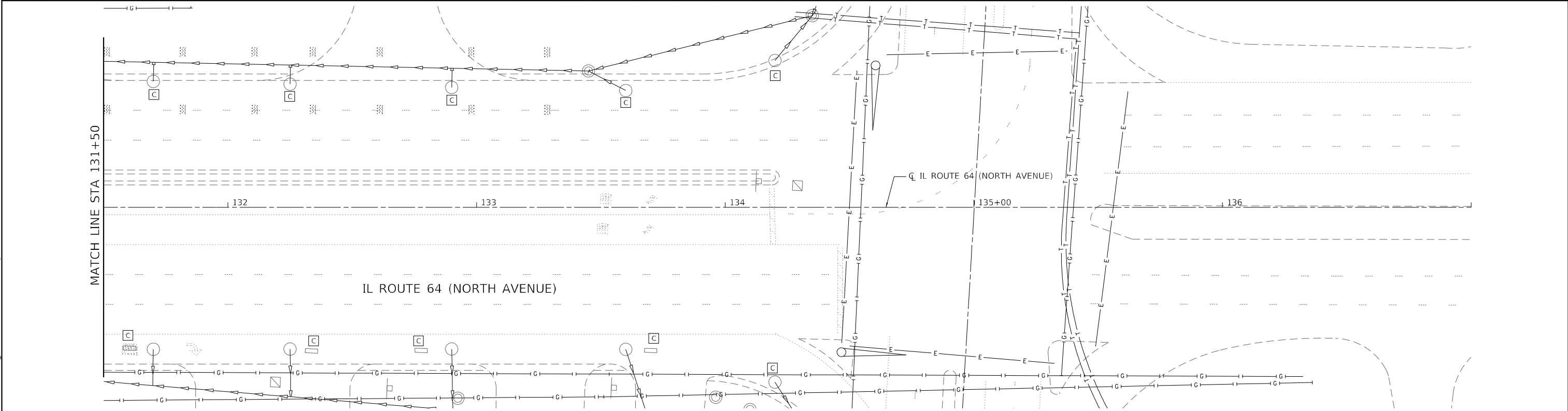
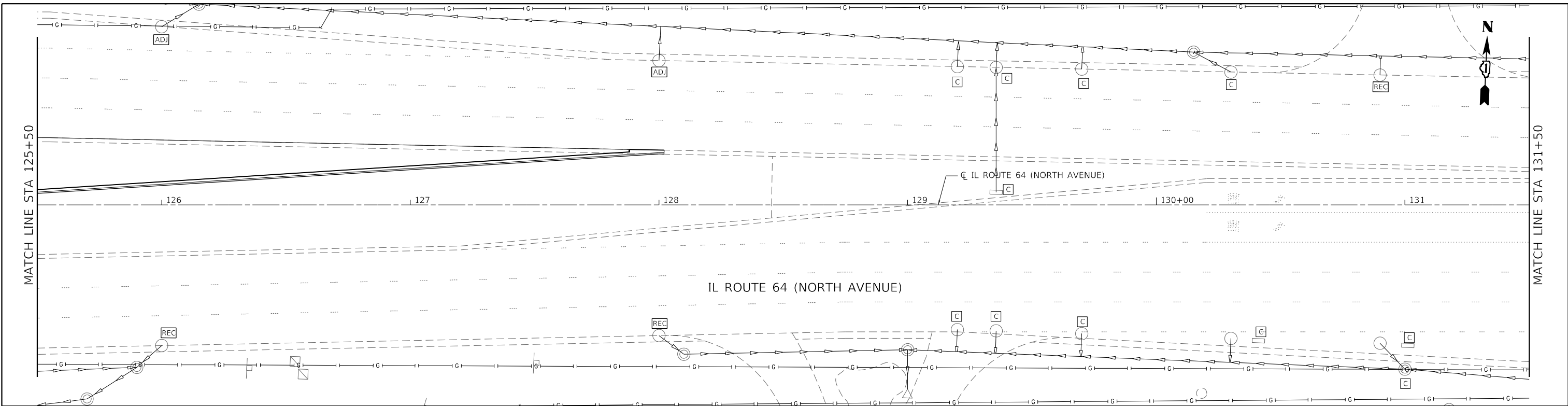
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLAN
 IL 64 (NORTH AVENUE)**

SCALE: 40,0000 * / in. SHEET 2 OF 3 SHEETS STA. 114+50 TO STA. 125+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	46
CONTRACT NO. 62M35				

ILLINOIS FED. AID PROJECT NHPP-BUJE(494)



LEGEND

- C STRUCTURE TO BE CLEANED
- REC STRUCTURE TO BE RECONSTRUCTED
- ADJ STRUCTURE TO BE ADJUSTED

NOTES:
 1. FOR STRUCTURES TO BE ADJUSTED OR RECONSTRUCTED, THE ADJACENT COMBINATION CURB AND GUTTER WILL BE REMOVED AND REPLACED PER DETAIL "CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT" AND WILL BE PAID AS COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET PER LINEAR FOOT.

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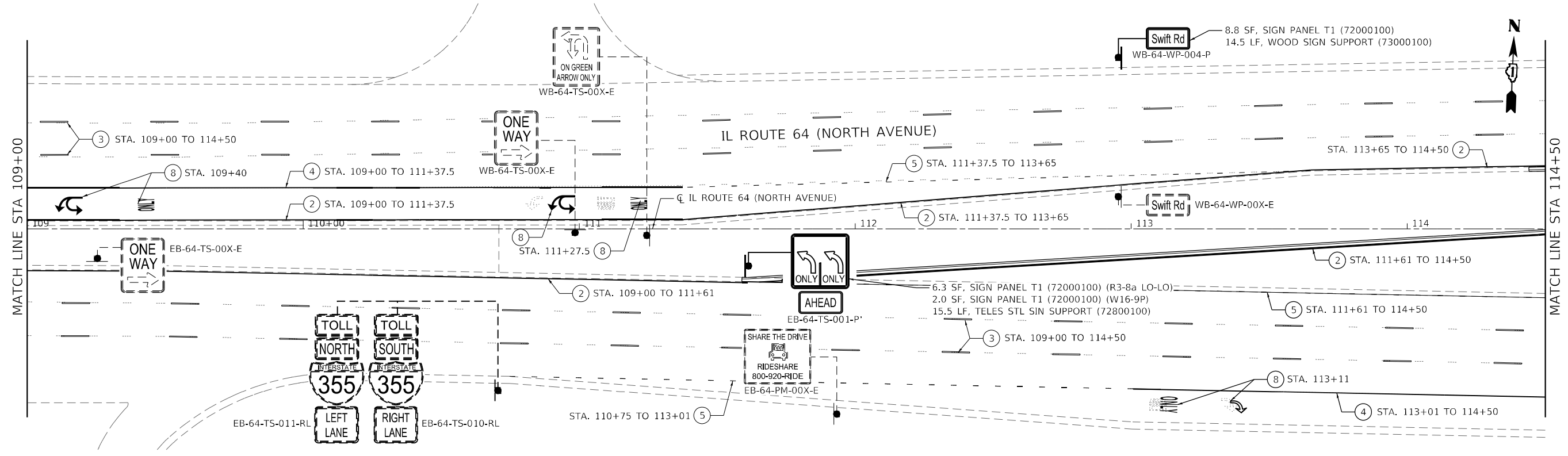
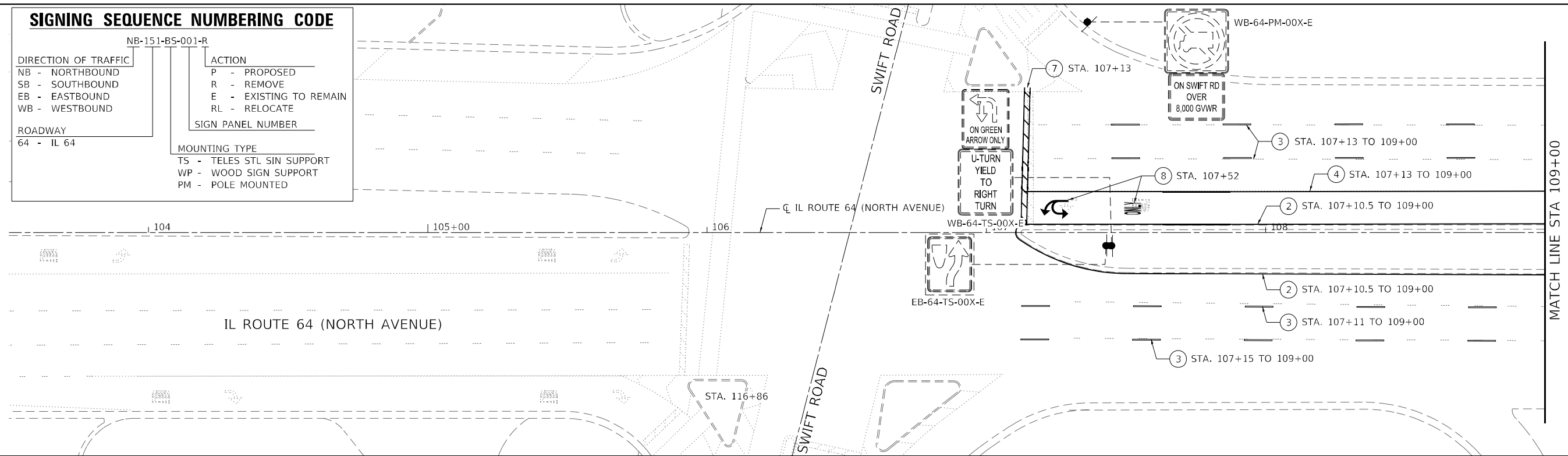
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITY PLAN IL 64 (NORTH AVENUE)		
SCALE: 40,0000 ' / in.	SHEET 3	OF 3 SHEETS
STA. 125+50	TO STA. 137+00	

F.A.P. RTE. 307	SECTION 2020-180-BR	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 47
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62M35	
NHPP-BUJE(494)				

SIGNING SEQUENCE NUMBERING CODE

DIRECTION OF TRAFFIC		ACTION	
NB - NORTHBOUND	P - PROPOSED	P - PROPOSED	
SB - SOUTHBOUND	R - REMOVE	R - REMOVE	
EB - EASTBOUND	E - EXISTING TO REMAIN	E - EXISTING TO REMAIN	
WB - WESTBOUND	RL - RELOCATE	RL - RELOCATE	
ROADWAY		SIGN PANEL NUMBER	
64 - IL 64			
MOUNTING TYPE			
TS - TELES STL SIN SUPPORT			
WP - WOOD SIGN SUPPORT			
PM - POLE MOUNTED			



LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE, 4" (WHITE, SOLID) (78000200)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE, 4" (YELLOW, SOLID) (78000200)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE, 4" (WHITE, SKIP 30' - DASH 10') (78000200)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE, 6" (WHITE, SOLID) (78000400)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE, 6" (WHITE, SKIP 6' - DASH 2') (78000400)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE, 12" (YELLOW, SOLID) (78000600)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE, 24" (WHITE, SOLID) (78000650)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (78000100)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE, 12" (WHITE, SOLID) (78000600)
- ⑩ MODIFIED URETHANE PAVEMENT MARKING - LINE, 4" (WHITE, SOLID) (78009004)
- ⑪ MODIFIED URETHANE PAVEMENT MARKING - LINE, 4" (YELLOW, SOLID) (78009004)
- ⑫ MODIFIED URETHANE PAVEMENT MARKING - LINE, 4" (WHITE, SKIP 30' - DASH 10') (78009004)
- ⑬ MODIFIED URETHANE PAVEMENT MARKING - LINE, 6" (WHITE, SOLID) (78009006)
- ⑭ MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (78009000)

NOTES:
1. SEE ROADWAY PLANS FOR ROADWAY ITEMS.

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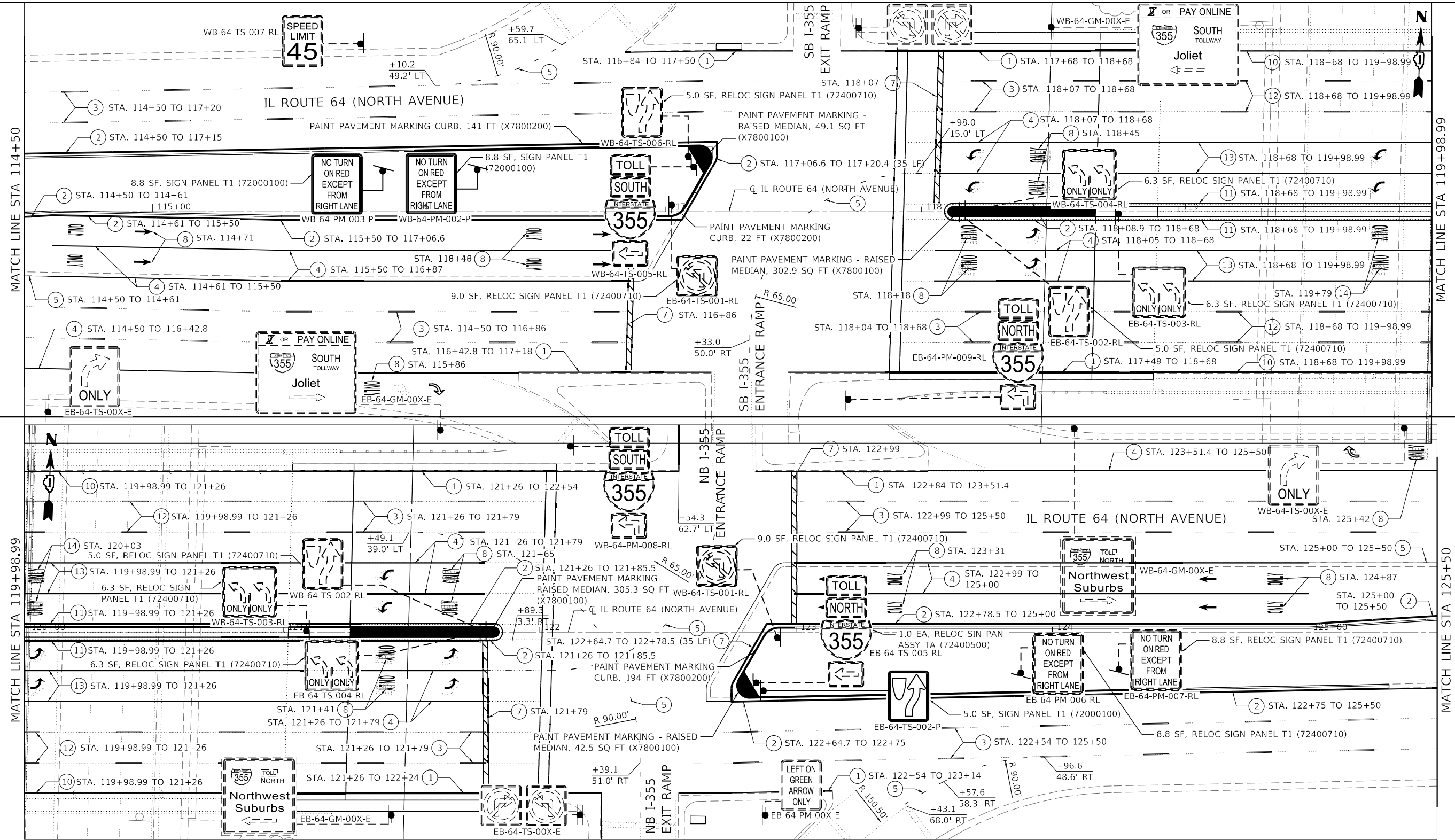
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLAN
IL 64 (NORTH AVENUE)**

SCALE: 40,0000 * / in. SHEET 1 OF 3 SHEETS STA. 103+50 TO STA. 114+50

F.A.P. RTE. 307	SECTION 2020-180-BR	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 48
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				



MATCH LINE STA 114+50

MATCH LINE STA 119+98.99

MATCH LINE STA 119+98.99

MATCH LINE STA 125+50

LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE, 4" (WHITE, SOLID) (78000200)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE, 4" (YELLOW, SOLID) (78000200)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE, 4" (WHITE, SKIP 30' - DASH 10') (78000200)

- ④ THERMOPLASTIC PAVEMENT MARKING - LINE, 6" (WHITE, SOLID) (78000400)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE, 6" (WHITE, SKIP 6' - DASH 2') (78000400)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE, 12" (YELLOW, SOLID) (78000600)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE, 24" (WHITE, SOLID) (78000650)

- ⑧ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (78000100)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE, 12" (WHITE, SOLID) (78000600)
- ⑩ MODIFIED URETHANE PAVEMENT MARKING - LINE, 4" (WHITE, SOLID) (78009004)
- ⑪ MODIFIED URETHANE PAVEMENT MARKING - LINE, 4" (YELLOW, SOLID) (78009004)

- ⑫ MODIFIED URETHANE PAVEMENT MARKING - LINE, 4" (WHITE, SKIP 30' - DASH 10') (78009004)
- ⑬ MODIFIED URETHANE PAVEMENT MARKING - LINE, 6" (WHITE, SOLID) (78009006)
- ⑭ MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (78009000)

NOTES:
1. SEE ROADWAY PLANS FOR ROADWAY ITEMS.



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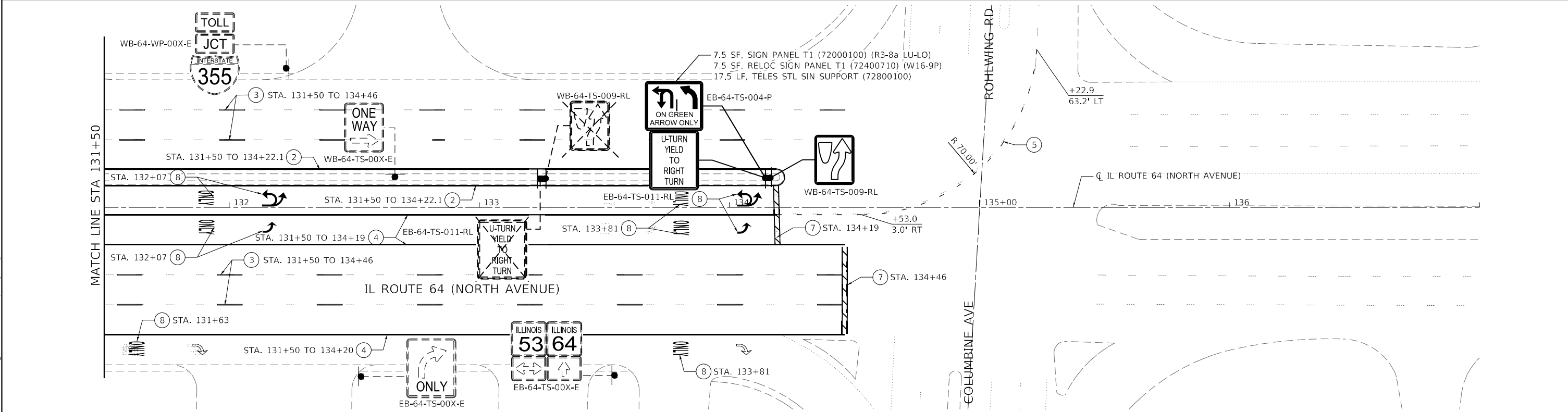
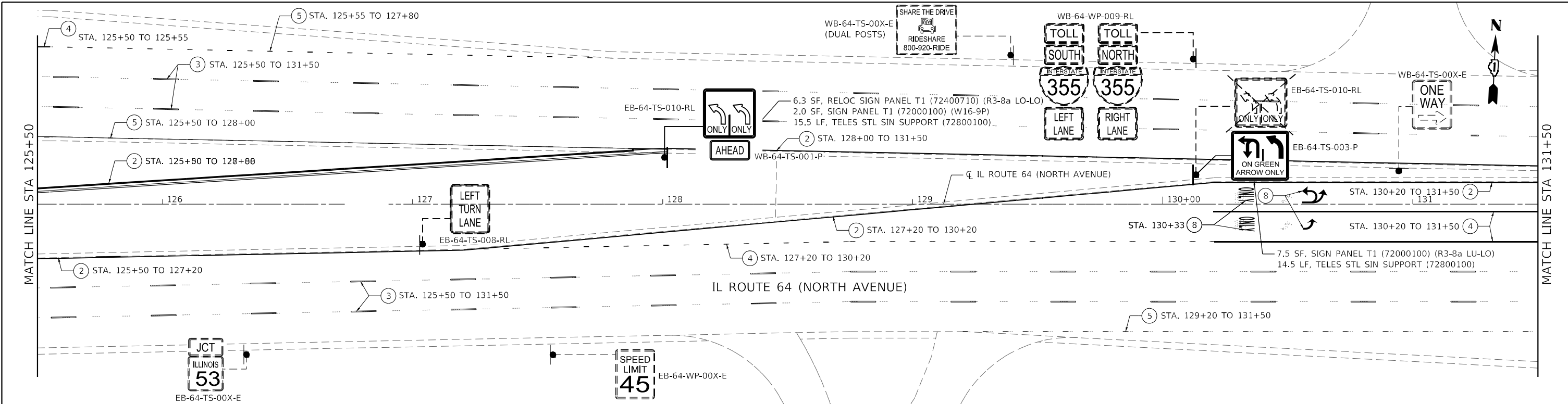


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING PLAN		
IL 64 (NORTH AVENUE)		
SCALE: 40,0000 * / in.	SHEET 2 OF 3 SHEETS	STA. 114+50 TO STA. 125+50

F.A.P. RTE. 307	SECTION 2020-180-BR	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 49
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				



LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE, 4" (WHITE, SOLID) (78000200)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE, 4" (YELLOW, SOLID) (78000200)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE, 4" (WHITE, SKIP 30' - DASH 10') (78000200)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE, 6" (WHITE, SOLID) (78000400)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE, 6" (WHITE, SKIP 6' - DASH 2') (78000400)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE, 12" (YELLOW, SOLID) (78000600)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE, 24" (WHITE, SOLID) (78000650)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (78000100)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE, 12" (WHITE, SOLID) (78000600)
- ⑩ MODIFIED URETHANE PAVEMENT MARKING - LINE, 4" (WHITE, SOLID) (78009004)
- ⑪ MODIFIED URETHANE PAVEMENT MARKING - LINE, 4" (YELLOW, SOLID) (78009004)
- ⑫ MODIFIED URETHANE PAVEMENT MARKING - LINE, 4" (WHITE, SKIP 30' - DASH 10') (78009004)
- ⑬ MODIFIED URETHANE PAVEMENT MARKING - LINE, 6" (WHITE, SOLID) (78009006)
- ⑭ MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (78009000)

NOTES:
1. SEE ROADWAY PLANS FOR ROADWAY ITEMS.

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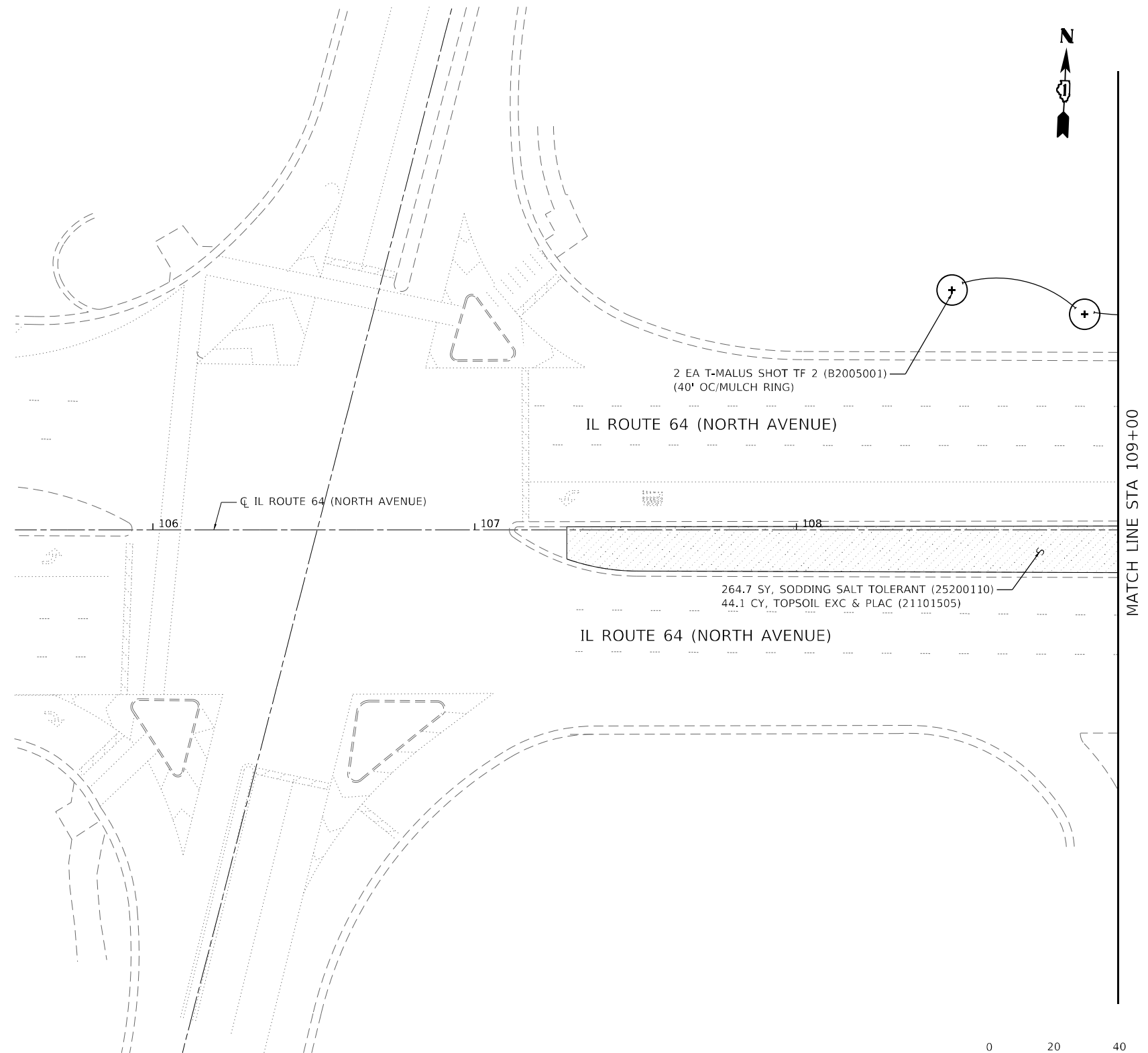
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING PLAN			
IL 64 (NORTH AVENUE)			
SCALE: 40,0000 ' / in.	SHEET 3	OF 3 SHEETS	STA. 125+50 TO STA. 137+00


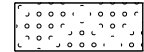
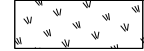
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CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				




LANDSCAPING GENERAL NOTES

1. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE TO THE VILLAGE OF LOMBARD. ALL TREE PROTECTION, TREE REMOVAL, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
2. THE CONTRACTOR SHALL ERECT A TEMPORARY FENCE AROUND ALL TREES WITHIN THE CONSTRUCTION AREA TO ESTABLISH A "TREE PROTECTION ZONE" AND AROUND EXISTING WETLANDS TO ESTABLISH A "WET BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING), MATERIALS STORED OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
3. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
4. TREE ROOT PRUNING IS TO BE USED ON EXISTING TREES TO PREVENT THE RIPPING UP OF ROOTS WHEN TRENCHING OR EXCAVATION IS WITHIN THE ROOT ZONE OF ADJACENT TREES TO REMAIN. SUPPLEMENTAL WATERING OF TREES SHOULD BEGIN IMMEDIATELY AFTER ROOT PRUNING OF THE TREES HAS OCCURRED.
5. THE CONTRACTOR WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847.705.4171, TO SCHEDULE A WALK THROUGH TO DETERMINE TREES FOR PRUNING, ROOT PRUNING, REMOVAL, AND SELECTIVE CLEARING AT LEAST 14 DAYS PRIOR TO THE COMMENCEMENT OF TREE REMOVAL.
6. THE CONTRACTOR WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847.705.4171, TO SCHEDULE LAYOUT OF AREAS TO BE TREATED WITH HERBICIDE AT LEAST 7 DAYS PRIOR TO THE APPLICATION.
7. THE CONTRACTOR SHALL OBSERVE AND COMPLY WITH ALL SECTIONS OF THE ILLINOIS CUSTOM SPRAY LAW, INCLUDING LICENSING. CONTRACTOR PERSONNEL APPLYING HERBICIDES SHALL HAVE A VALID PESTICIDE APPLICATOR LICENSE ISSUED BY THE ILLINOIS DEPARTMENT OF AGRICULTURE. THE LICENSED PESTICIDE APPLICATOR SHALL SUBMIT THEIR CURRENT LICENSE TO THE ENGINEER. THE LICENSED PESTICIDE APPLICATOR SHALL BE QUALIFIED AT A MINIMUM IN RIGHT-OF-WAY AND AQUATICS. THE LICENSED APPLICATOR SHALL WORK ON-SITE.
8. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 2A SHALL BE FROM APRIL 1 TO JUNE 1 AND FROM AUGUST 15 TO SEPTEMBER 30. ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AT THEIR EXPENSE.
9. THE CONTRACTOR WILL CONTACT FABIOLA QUIROZ OF THE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4596, AT LEAST 7 DAYS PRIOR TO PLANTING FOR APPROVAL OF LAYOUT OF TREES.
10. THE CONTRACTOR SHALL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171, AT LEAST 7 DAYS PRIOR TO PLANTING FOR LAYOUT OF THE SEEDING, SHRUBS, VINES PERENNIALS, AND PLUGS.



LEGEND

-  SODDING, SALT TOLERANT (25200110)
TOPSOIL EXCAVATION AND PLACEMENT (6") (21101505)
-  SEEDING, CLASS 2A (25000210)
-  WEED CONTROL, TEASEL (K0029624) (SEE NOTE 3)
WEED CONTROL, AQUATIC (K0029614) (SEE NOTE 3)
INTERSEEDING, CLASS 2A (25003210)
MULCH, METHOD 3 (25100125)

-  PR SHADE TREE
-  EX SHADE TREE
-  TREE TRUNK PROTECTION
AND TEMPORARY FENCE

NOTES:

1. SEE LANDSCAPING GENERAL NOTES
2. SEE REMOVAL PLANS FOR TOPSOIL EXCAVATION.
3. FERTILIZER NUTRIENTS ARE NOT REQUIRED FOR SODDING, SALT TOLERANT.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN
IL 64 (NORTH AVENUE)

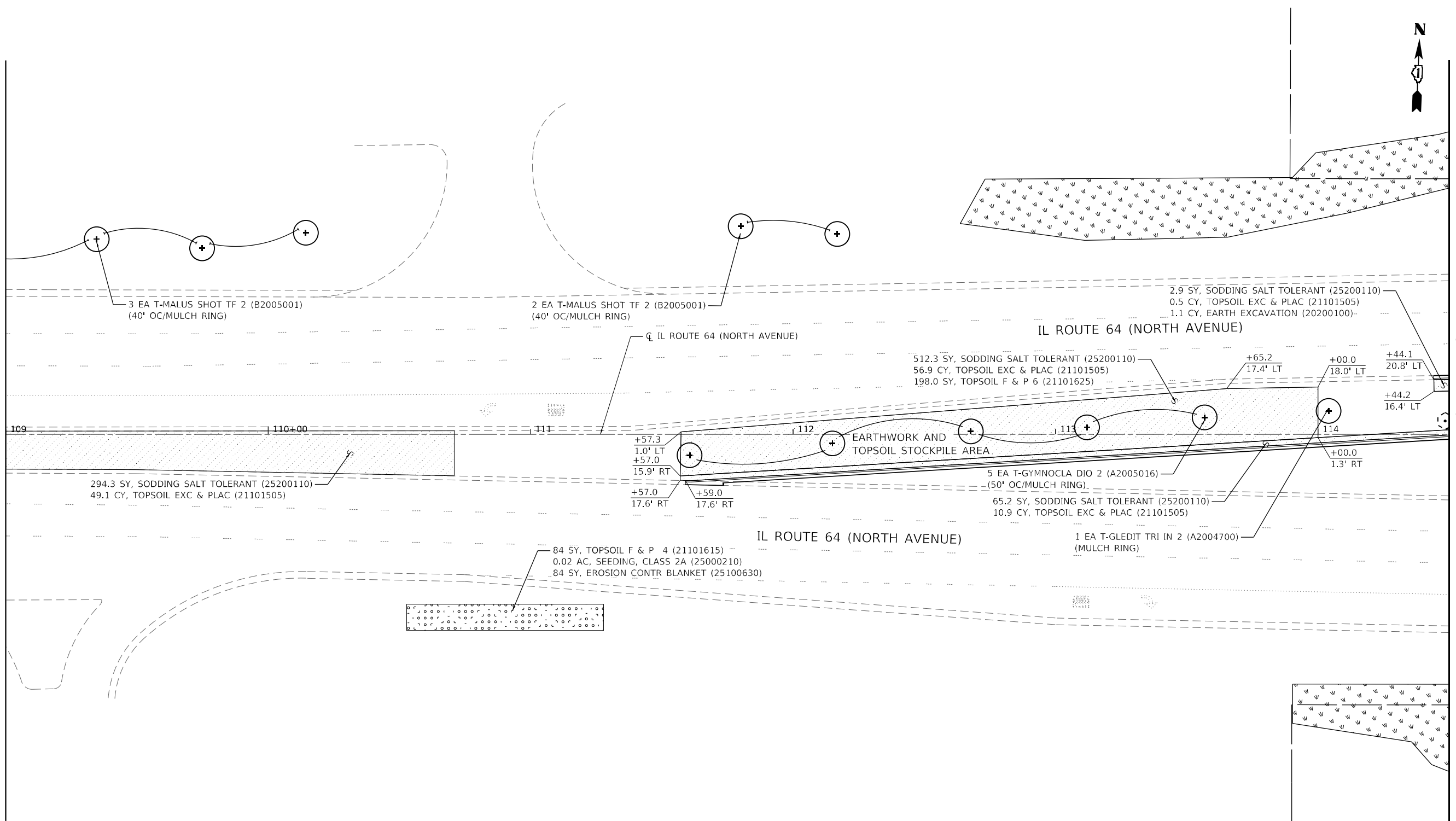
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	51
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				



MATCH LINE STA 109+00

MATCH LINE STA 114+50



LEGEND

- SODDING, SALT TOLERANT (25200110)
TOPSOIL EXCAVATION AND PLACEMENT (6") (21101505)
- SEEDING, CLASS 2A (25000210)
- WEED CONTROL, TEASEL (K0029624) (SEE NOTE 3)
WEED CONTROL, AQUATIC (K0029614) (SEE NOTE 3)
INTERSEEDING, CLASS 2A (25003210)
MULCH, METHOD 3 (25100125)
- PR SHADE TREE
- EX SHADE TREE
- TREE TRUNK PROTECTION
AND TEMPORARY FENCE

- NOTES:**
1. SEE LANDSCAPING GENERAL NOTES
 2. SEE REMOVAL PLANS FOR TOPSOIL EXCAVATION.
 3. FERTILIZER NUTRIENTS ARE NOT REQUIRED FOR SODDING, SALT TOLERANT.

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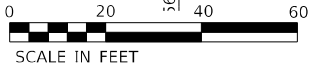
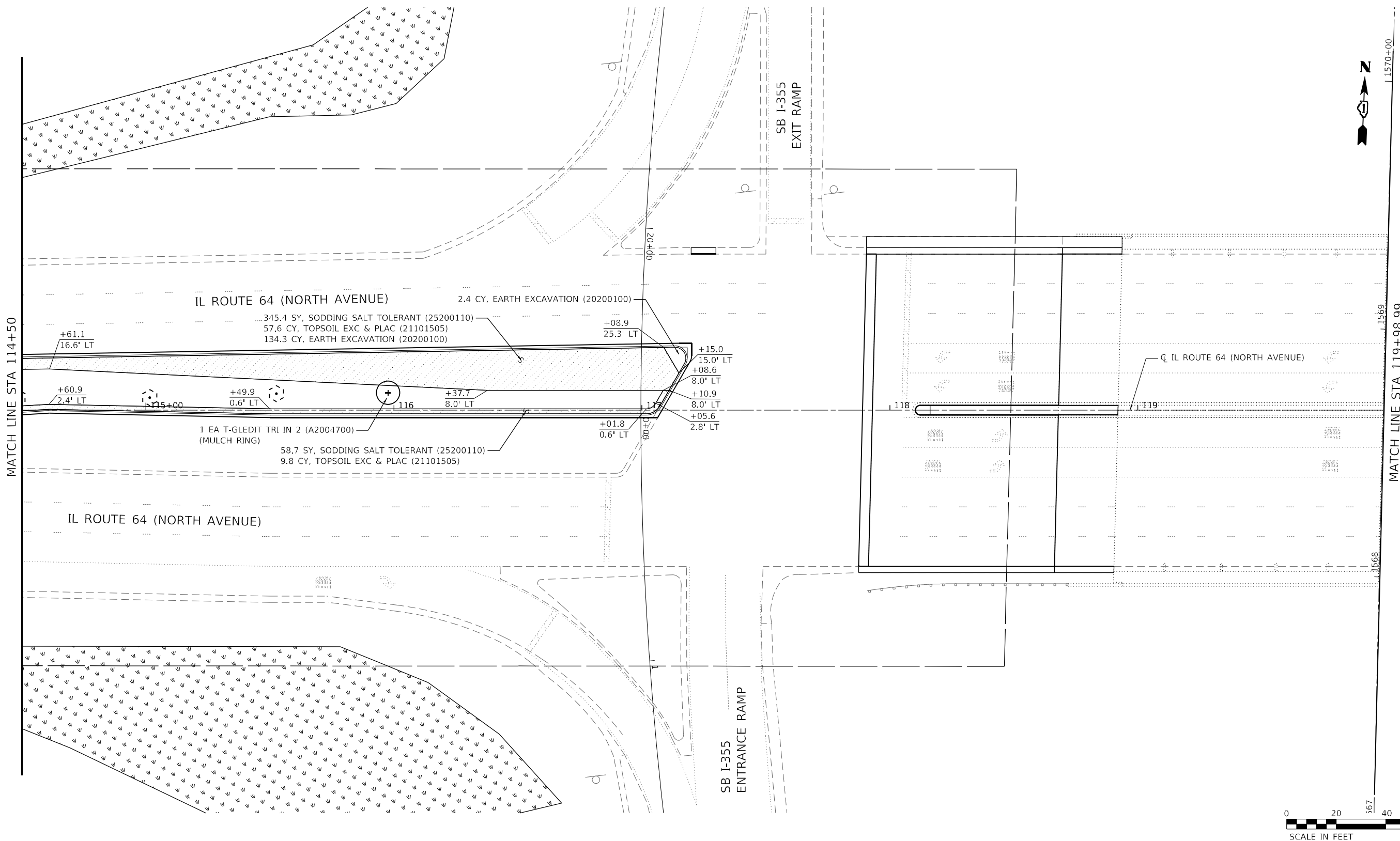
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLAN
IL 64 (NORTH AVENUE)**


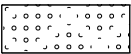
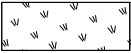



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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	52
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHP-BUJE(494)				

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LEGEND

-  SODDING, SALT TOLERANT (25200110)
TOPSOIL EXCAVATION AND PLACEMENT (6") (21101505)
-  SEEDING, CLASS 2A (25000210)
-  WEED CONTROL, TEASEL (K0029624) (SEE NOTE 3)
WEED CONTROL, AQUATIC (K0029614) (SEE NOTE 3)
INTERSEEDING, CLASS 2A (25003210)
MULCH, METHOD 3 (25100125)
-  PR SHADE TREE
-  EX SHADE TREE
-  TREE TRUNK PROTECTION
AND TEMPORARY FENCE

- NOTES:**
- SEE LANDSCAPING GENERAL NOTES
 - SEE REMOVAL PLANS FOR TOPSOIL EXCAVATION.
 - FERTILIZER NUTRIENTS ARE NOT REQUIRED FOR SODDING, SALT TOLERANT.



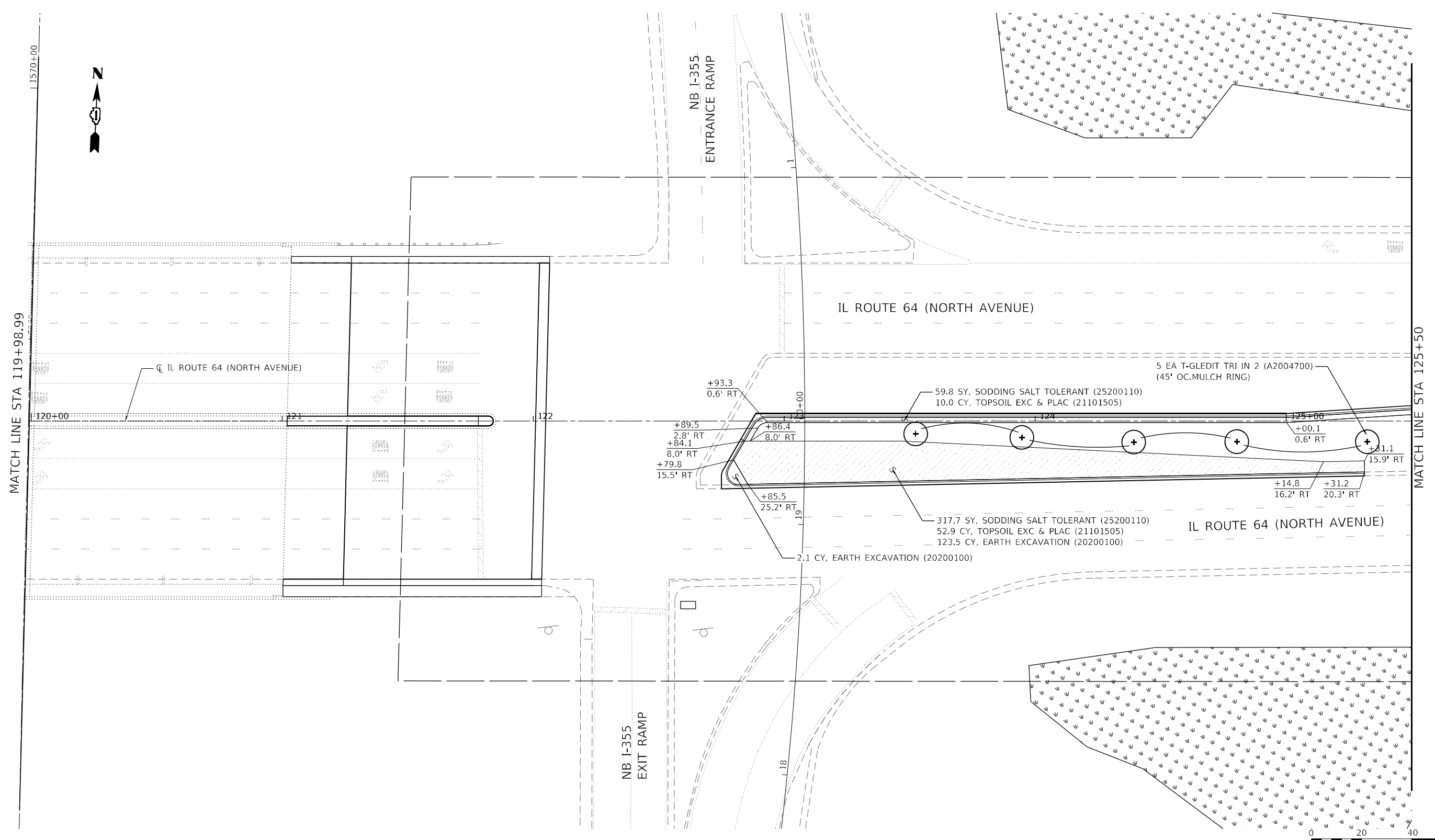
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLAN
 IL 64 (NORTH AVENUE)**

SCALE: 40,0000 ' / in. SHEET 3 OF 5 SHEETS STA. 114+50 TO STA. 119+98.99

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	53
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				



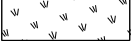





MATCH LINE STA 119+98.99

MATCH LINE STA 125+50



LEGEND

-  SODDING, SALT TOLERANT (25200110)
TOPSOIL EXCAVATION AND PLACEMENT (6") (21101505)
-  SEEDING, CLASS 2A (25000210)
-  WEED CONTROL, TEASEL (K0029624) (SEE NOTE 3)
WEED CONTROL, AQUATIC (K0029614) (SEE NOTE 3)
INTERSEEDING, CLASS 2A (25003210)
MULCH, METHOD 3 (25100125)
-  PR SHADE TREE
-  EX SHADE TREE
-  TREE TRUNK PROTECTION
AND TEMPORARY FENCE

- NOTES:**
1. SEE LANDSCAPING GENERAL NOTES
 2. SEE REMOVAL PLANS FOR TOPSOIL EXCAVATION.
 3. FERTILIZER NUTRIENTS ARE NOT REQUIRED FOR SODDING, SALT TOLERANT.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLAN
IL 64 (NORTH AVENUE)**

SCALE: 40,0000 ' / in. SHEET 4 OF 5 SHEETS STA. 119+98.99 TO STA. 125+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	54
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				

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								

TS SHT NO. 01

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CHECKED - LP	REVISED -
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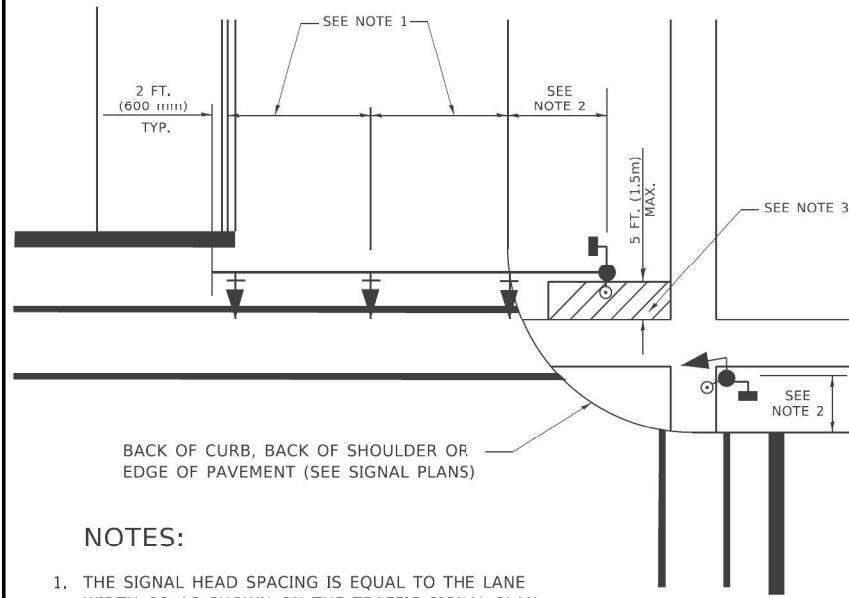
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE			
STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET 1	OF 21 SHEETS	STA. TO STA.

F.A.P. RTE. 307	SECTION 2020-180-BR	COUNTY	TOTAL SHEETS 110	SHEET NO. 56
TS-05			CONTRACT NO. 62M35	
ILLINOIS FED. AID PROJECT NHP-BUJE(494)				

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.

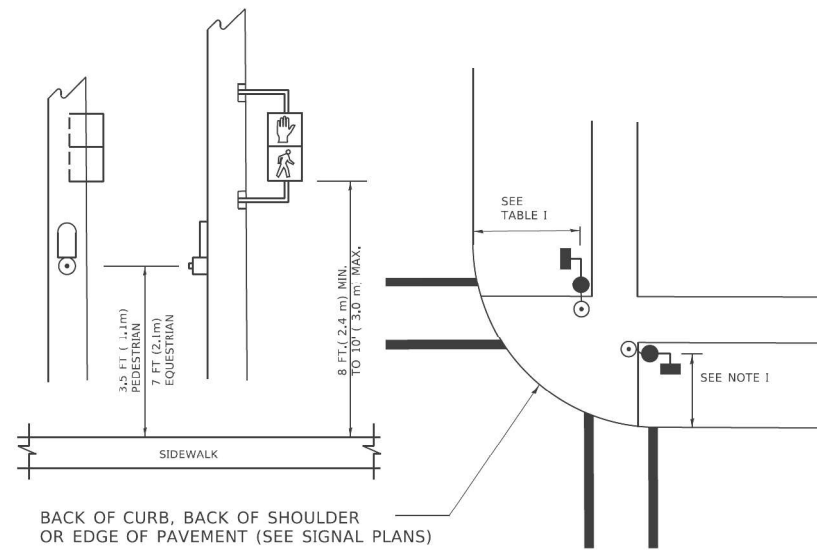


BACK OF CURB, BACK OF SHOULDER OR EDGE OF PAVEMENT (SEE SIGNAL PLANS)

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

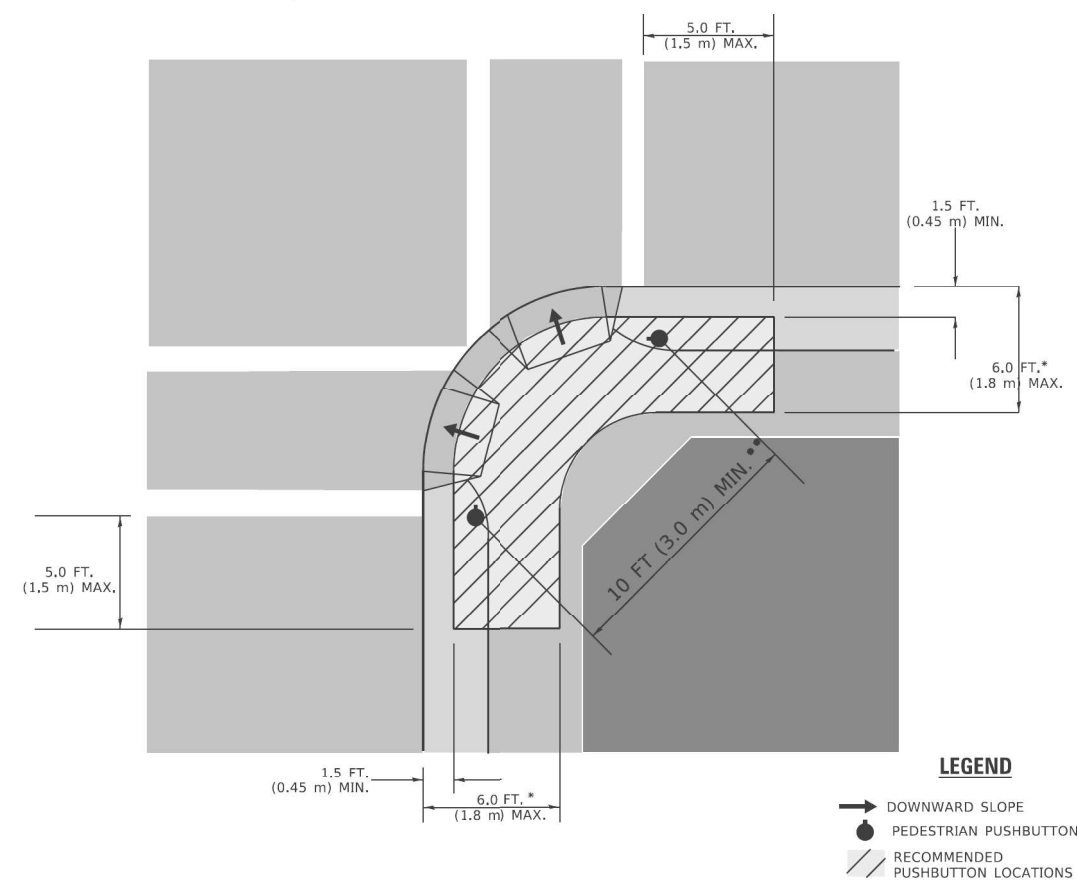


BACK OF CURB, BACK OF SHOULDER OR EDGE OF PAVEMENT (SEE SIGNAL PLANS)

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



* 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 (0.5m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.3m), 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 (1.3m), 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.

TS SHT NO. 03

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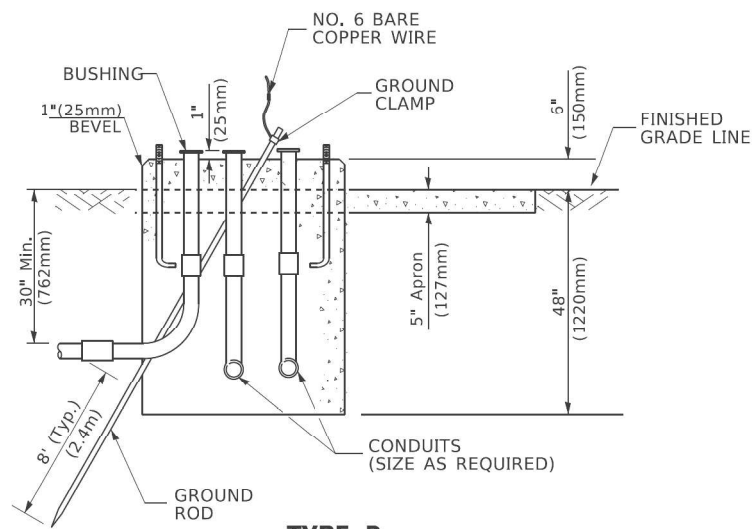
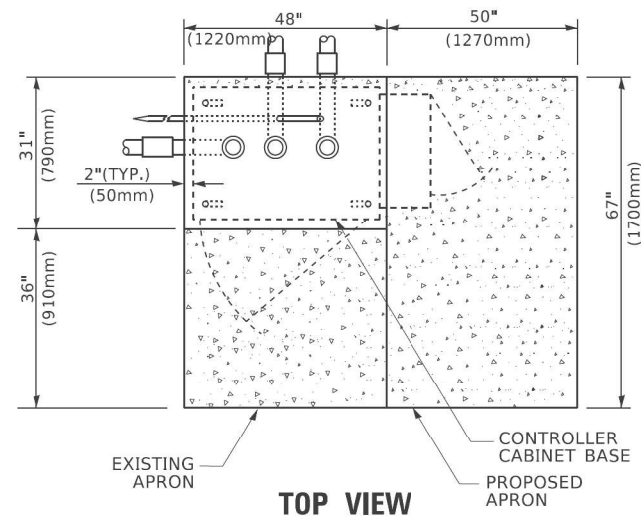
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DATE -	REVISIONS -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

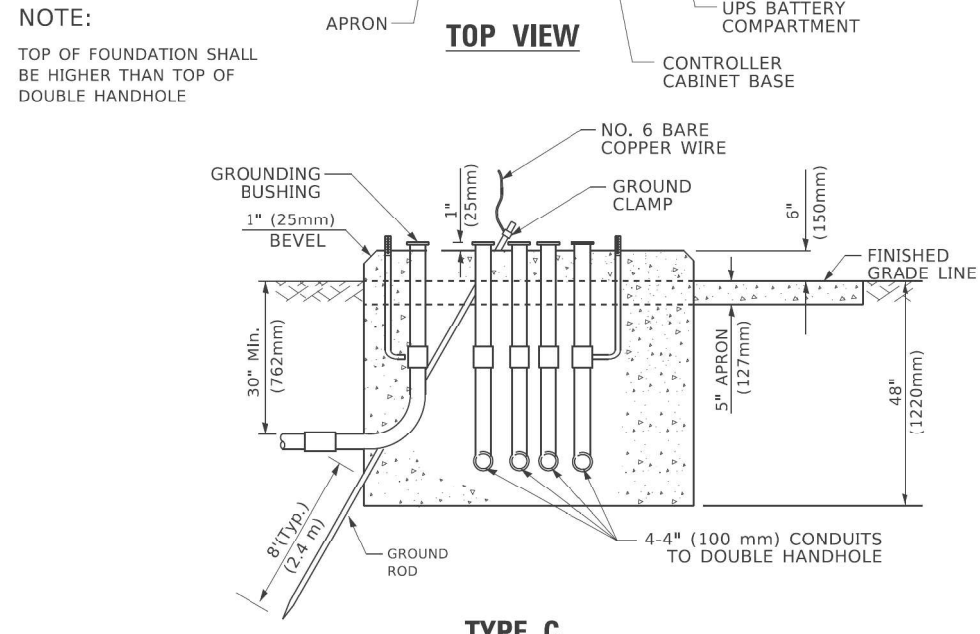
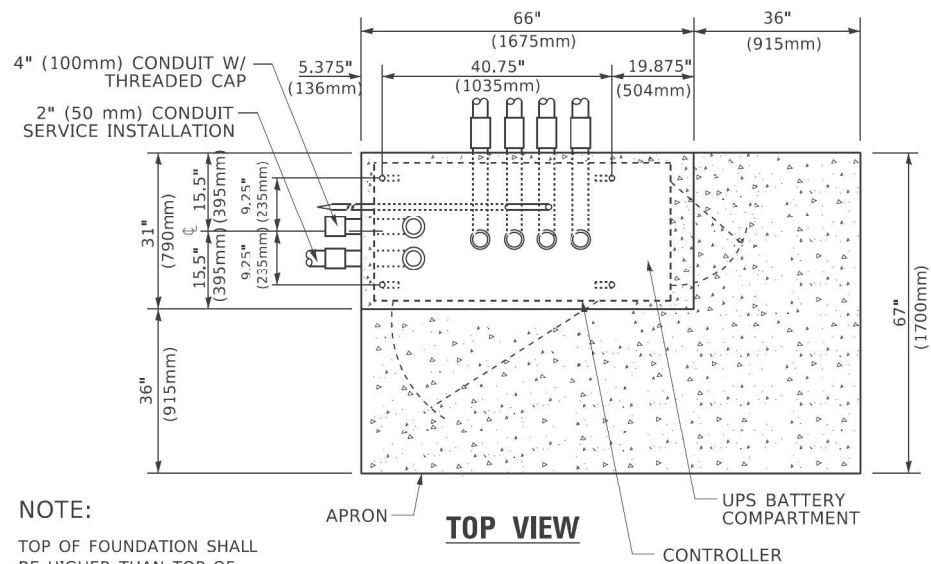
DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET 3 OF 21 SHEETS STA. TO STA.

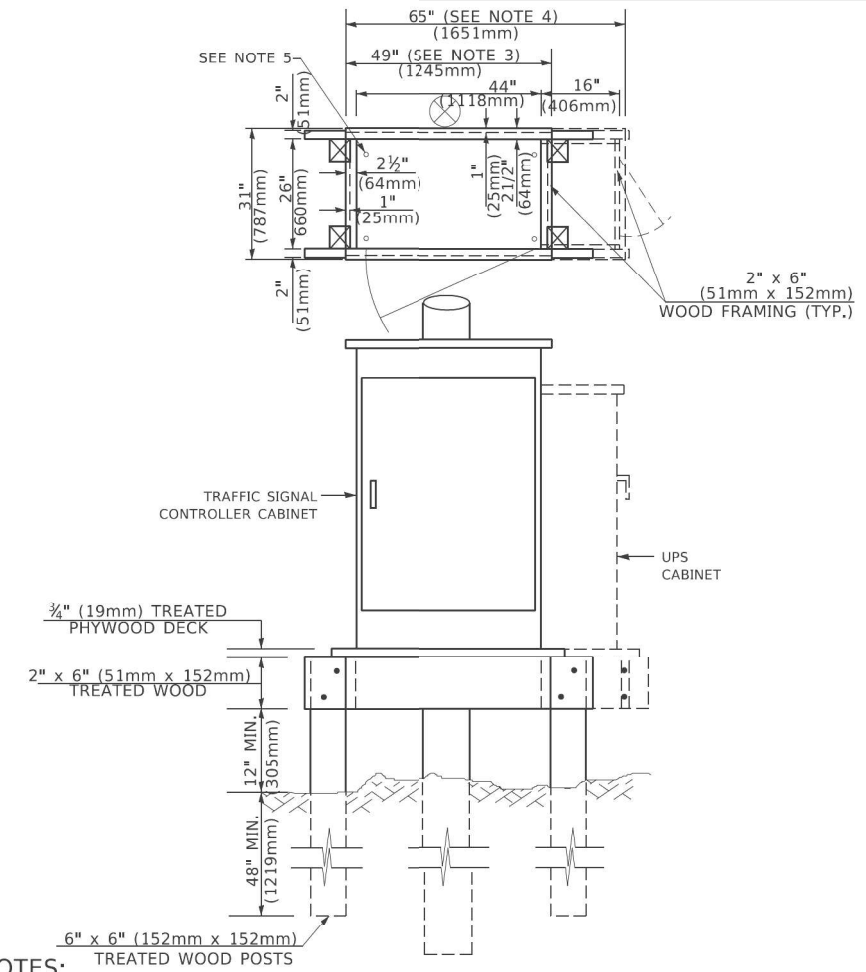
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	58
TS-05		CONTRACT NO. 62M35		
ILLINOIS FED. AID PROJECT NHP-01(494)				



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



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



- NOTES:**
- 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.
 - 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.
 - PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
 - PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
 - 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.
 - 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)

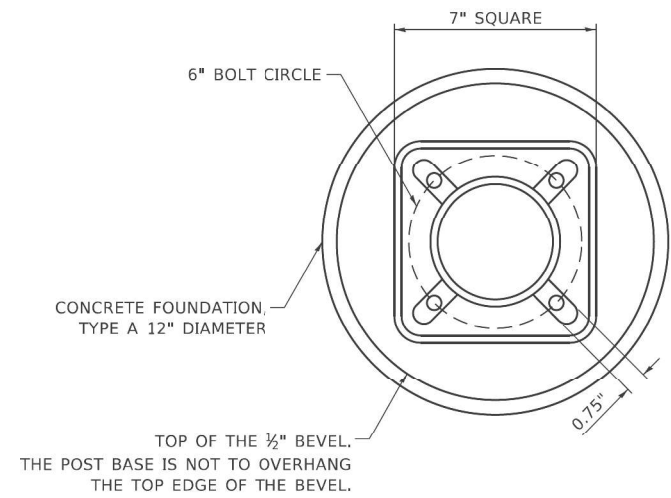
DEPTH OF FOUNDATION

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)	30" (750mm)	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 less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

- NOTES:**
- 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 (q_u) > 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.
 - Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
 - Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
 - For mast arm assemblies with dual arms refer to state standard 878001..

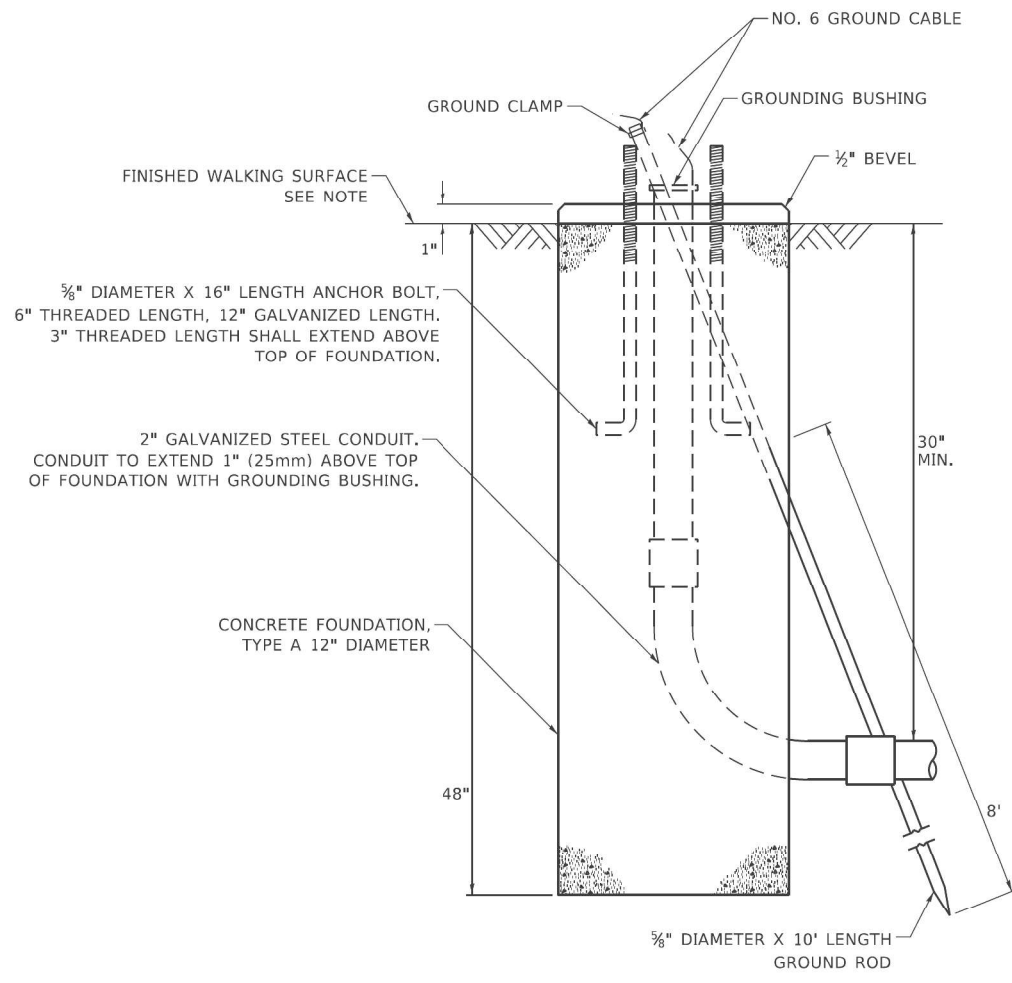
DEPTH OF MAST ARM FOUNDATIONS, TYPE E

TS SHT NO. 05

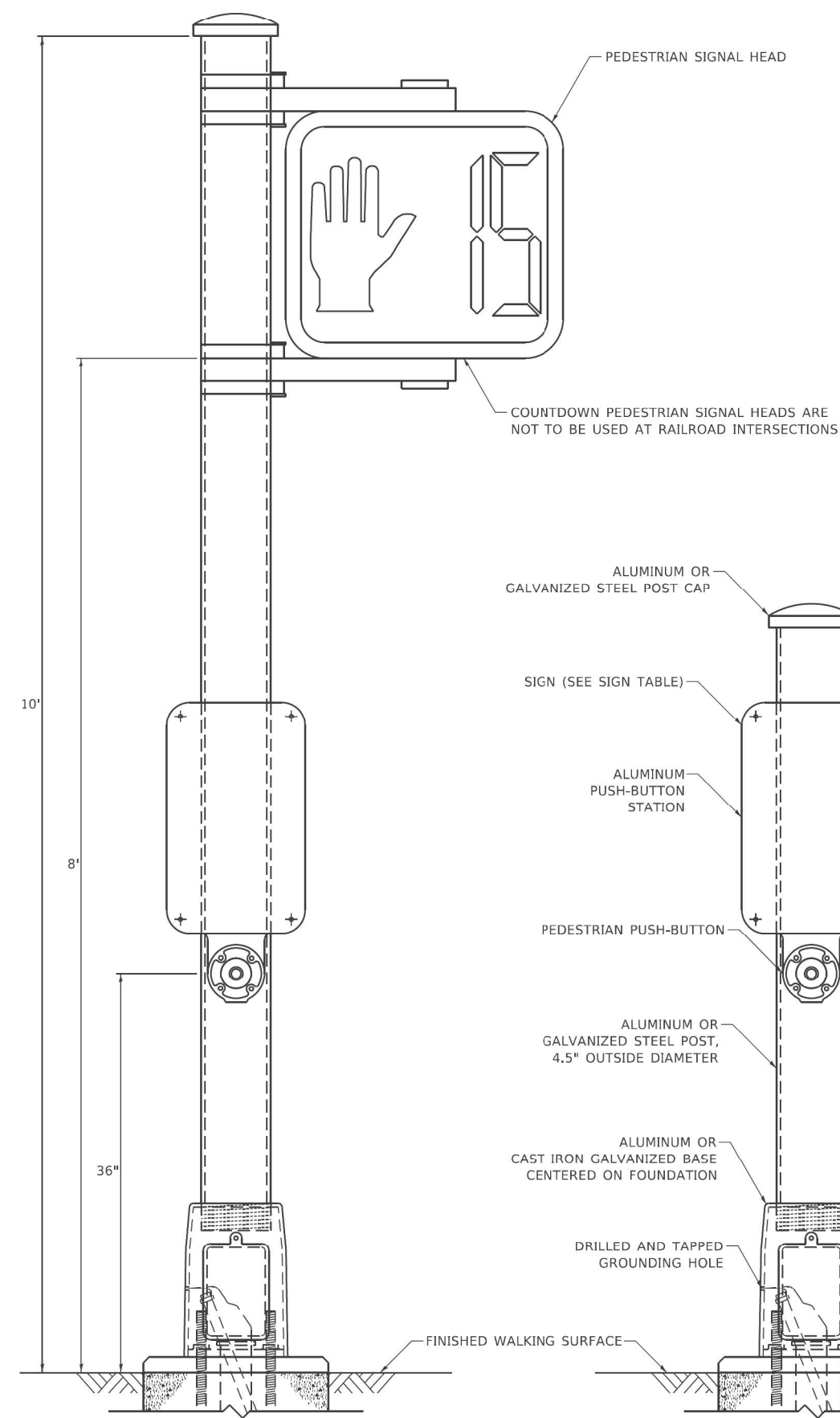


BOLT PATTERN

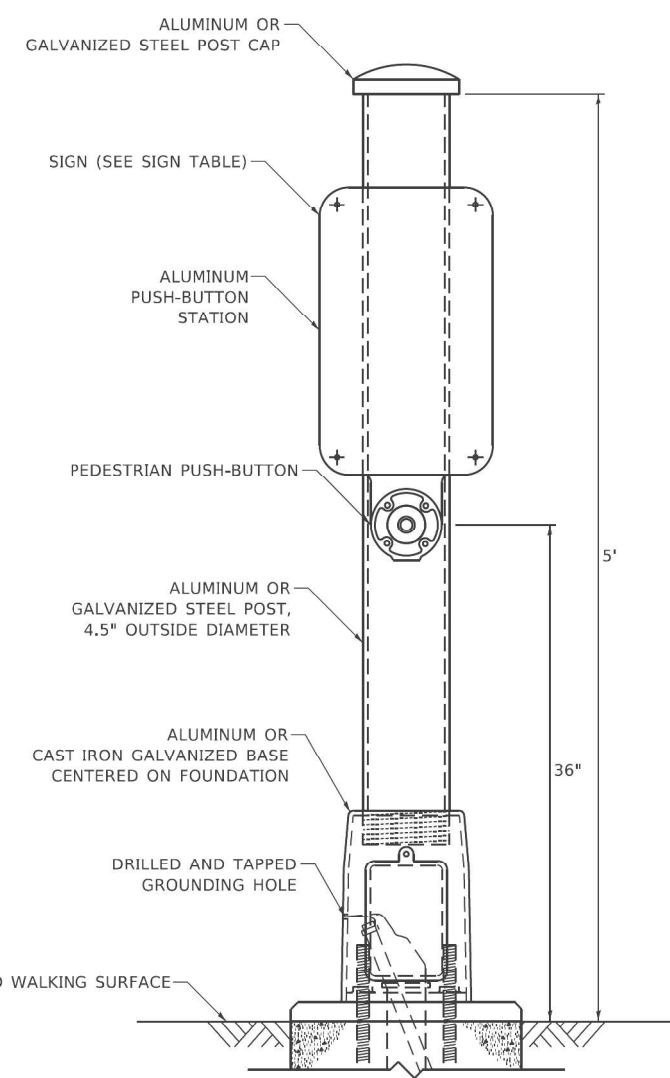
NOTE:
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



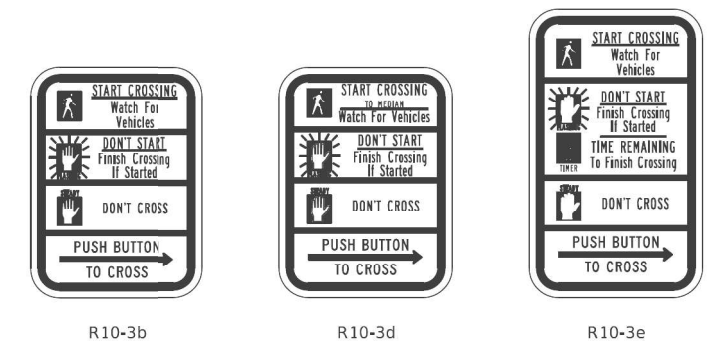
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER



PEDESTRIAN SIGNAL POST, 10 FT.



PEDESTRIAN SIGNAL POST, 5 FT.



SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 15"

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

TS SHT NO. 07

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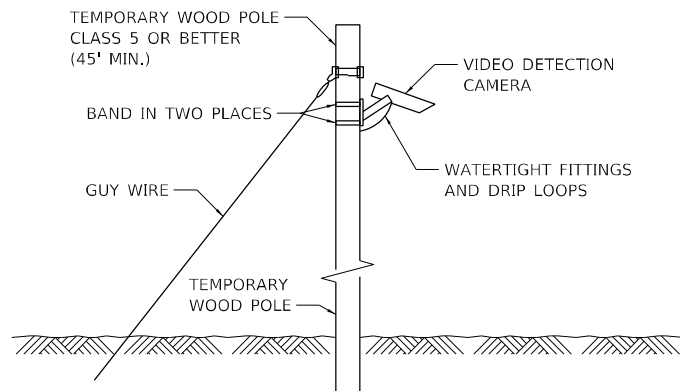
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NTS SHEET NO. 7 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	62
TS-05		CONTRACT NO. 62M35		
ILLINOIS FED. AID PROJECT NHPB-BUJE(494)				



TEMPORARY VIDEO DETECTION MOUNTING DETAIL
(NOT TO SCALE)

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 SIGNAL HEAD
- 1 EACH MAST ARM ASSEMBLY AND POLE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR SAFELY STORED AND RELOCATED, TO NEW FOUNDATIONS.

- 3 EACH TRAFFIC SIGNAL POST
- 3 EACH SIGNAL HEAD
- 1 EACH EMERGENCY VEHICLE PRIORITY SYSTEM

WIRELESS INTERCONNECT TO IL ROUTE 64 (NORTH AVENUE) AT EAST RAMP
APPROX. STA. 116+66, 111.5' LT

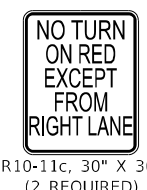
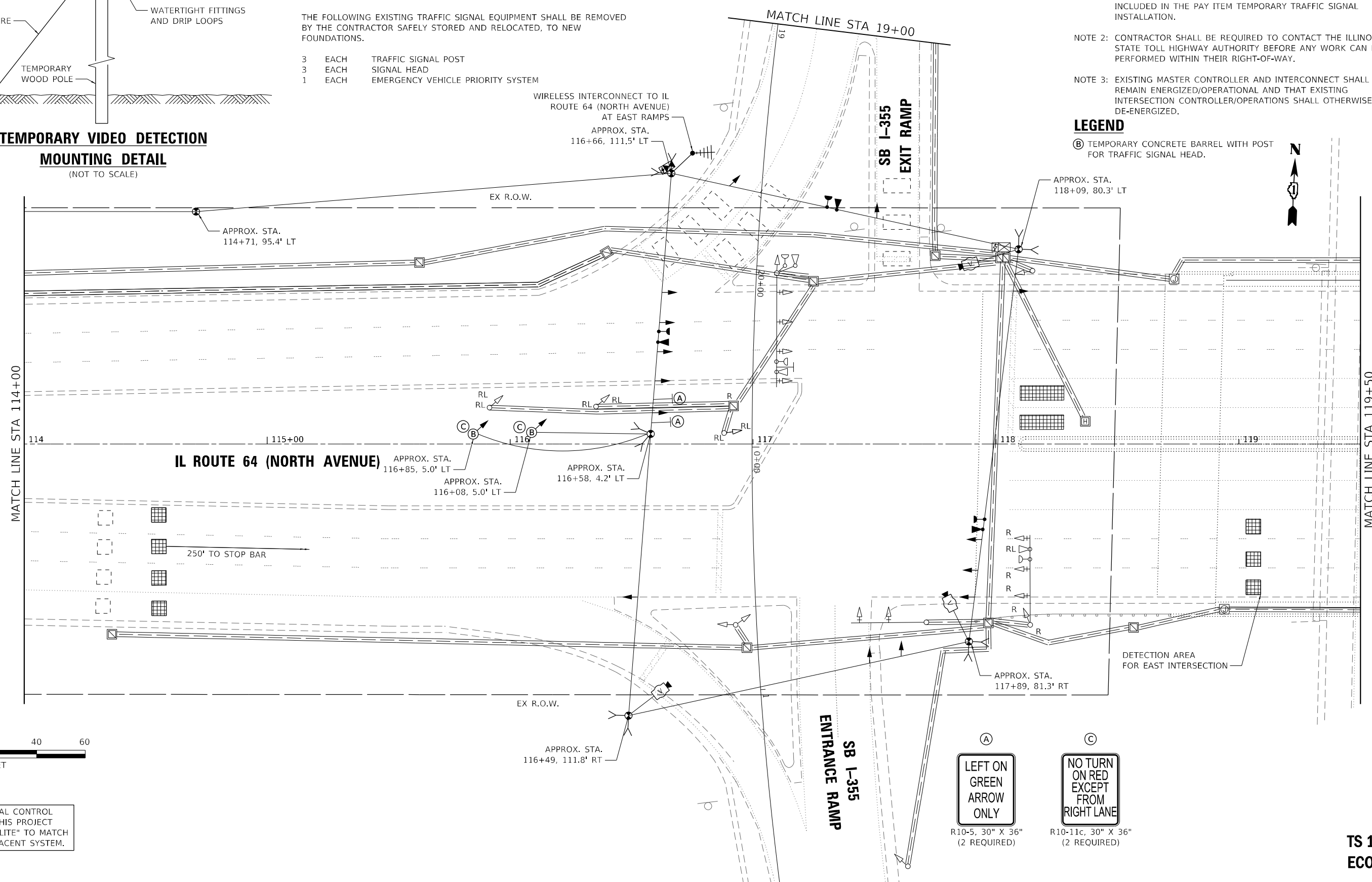
NOTE 1: INSTALL 3-SECTION BRACKET MOUNT SIGNAL HEADS TO 18 FEET POSTS AS BARREL MOUNTS FOR SOUTHBOUND EXIT RAMP AS SHOWN. THE LOCATION OF THE SIGNAL POSTS MOUNTED IN BARRELS SHALL BE DETERMINED BY THE CONTRACTOR TO CONFORM WITH TRAFFIC CONTROL STAGING AS APPROVED BY IDOT. ALL MATERIAL, LABOR, OPERATION, AND MAINTENANCE ASSOCIATED WITH THE BARREL MOUNTED SIGNALS SHALL BE INCLUDED IN THE PAY ITEM TEMPORARY TRAFFIC SIGNAL INSTALLATION.

NOTE 2: CONTRACTOR SHALL BE REQUIRED TO CONTACT THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY BEFORE ANY WORK CAN BE PERFORMED WITHIN THEIR RIGHT-OF-WAY.

NOTE 3: EXISTING MASTER CONTROLLER AND INTERCONNECT SHALL REMAIN ENERGIZED/OPERATIONAL AND THAT EXISTING INTERSECTION CONTROLLER/OPERATIONS SHALL OTHERWISE BE DE-ENERGIZED.

LEGEND

- (B) TEMPORARY CONCRETE BARREL WITH POST FOR TRAFFIC SIGNAL HEAD.



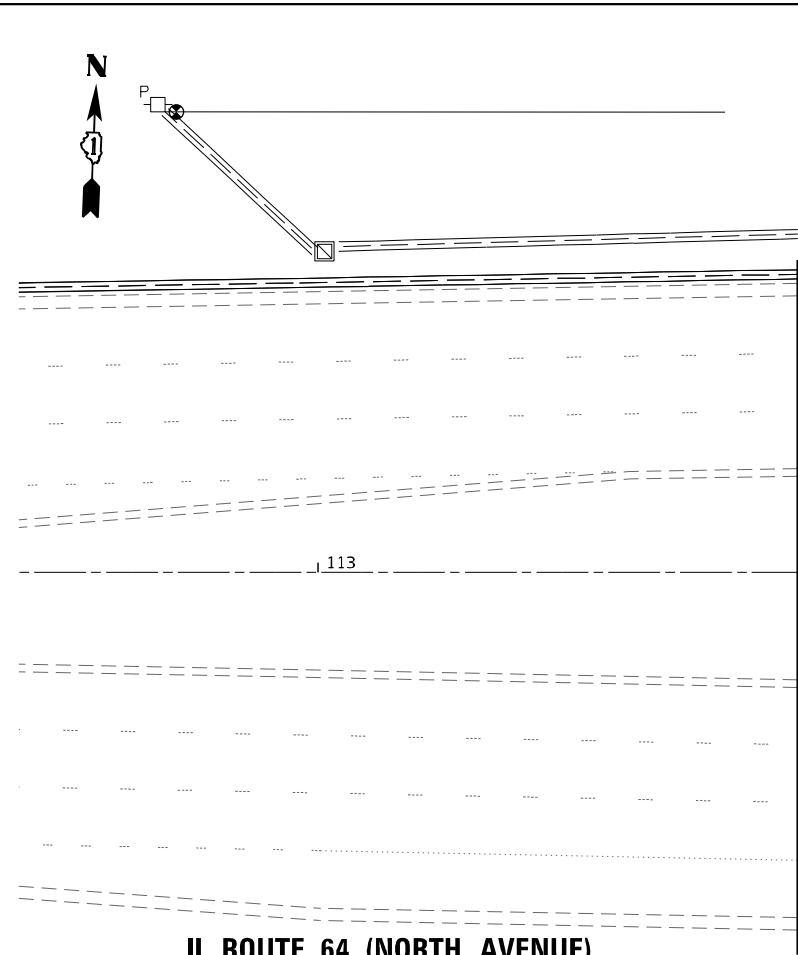
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS SHT NO. 09

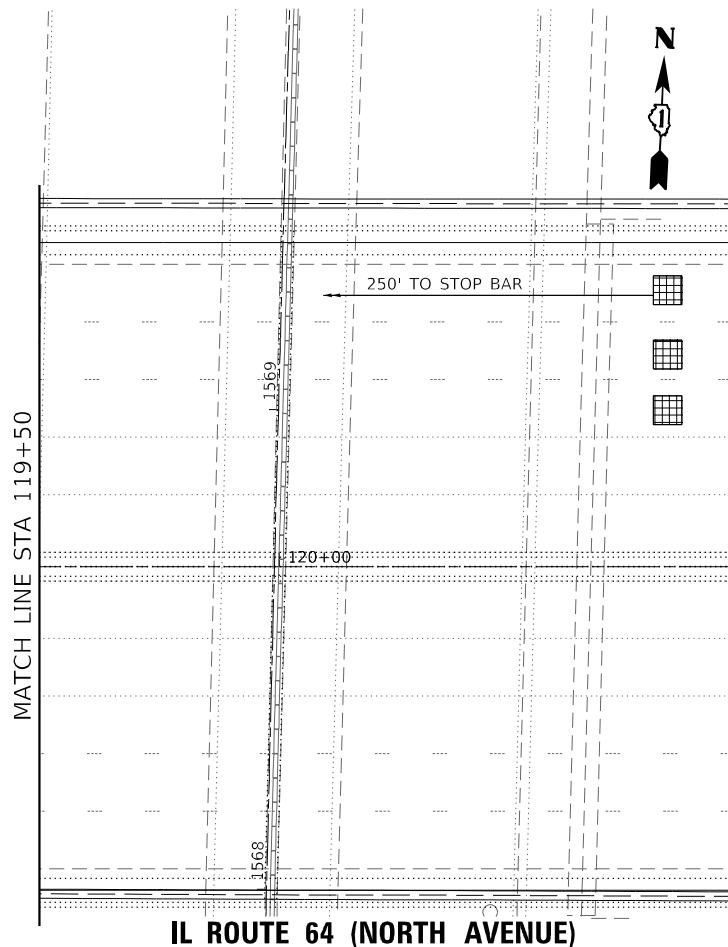
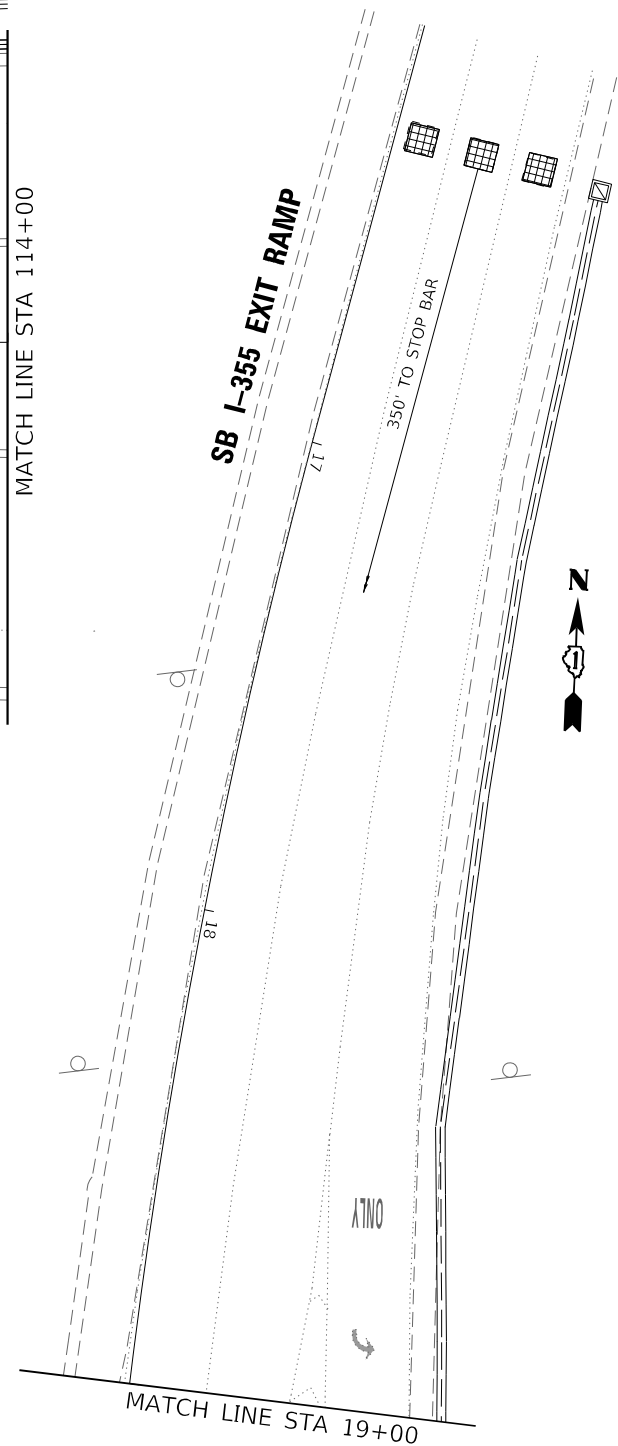
TS 12255
ECON 39

	PLOT DRIVER = pdfNOLAYERSbw.pltcfj	DESIGNED - DWB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND REMOVAL PLAN ILLINOIS 64 (NORTH AVENUE) AT WEST RAMP		F.A.P. RTE. = 307	SECTION = 2020-180-BR	COUNTY = DUPAGE	TOTAL SHEETS = 110	SHEET NO. = 64
	PEN TABLE = D162M35-PLOT.tbl	DRAWN - SVJ	REVISED -				CONTRACT NO. = 62M35				
	PLOT SCALE = 40,0000' / in.	CHECKED - BKS	REVISED -				ILLINOIS FED. AID PROJECT = NHP-BUIE(494)				
	PLOT DATE = 9/21/2021 4:52:40 PM	DATE = 08/06/2021	REVISED -								

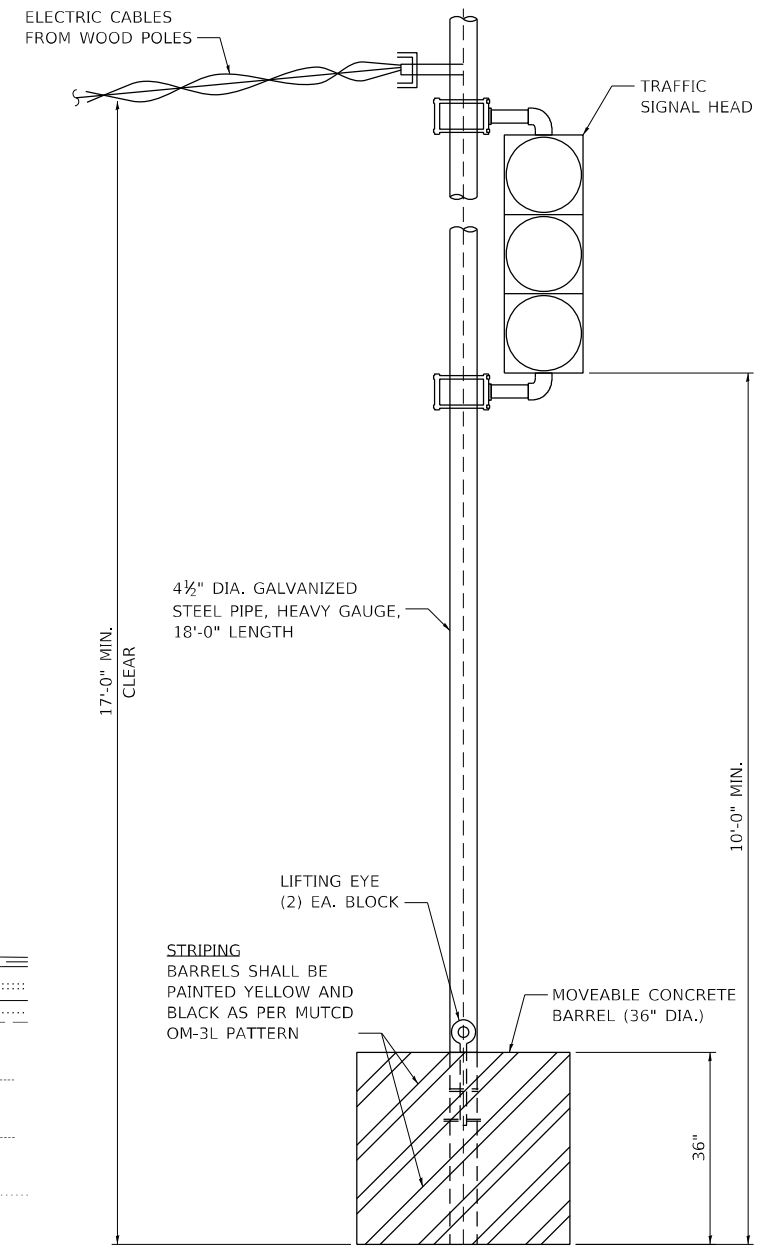
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IL ROUTE 64 (NORTH AVENUE)



IL ROUTE 64 (NORTH AVENUE)



TEMPORARY CONCRETE BARREL WITH POST

N.T.S.



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

**TS 12255
ECON 39**



PLOT DRIVER = pdfNOLAYERSbw.pltcfp	DESIGNED - DWB	REVISED -
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PLOT DATE = 9/21/2021 4:53:02 PM	DATE - 08/06/2021	REVISED -

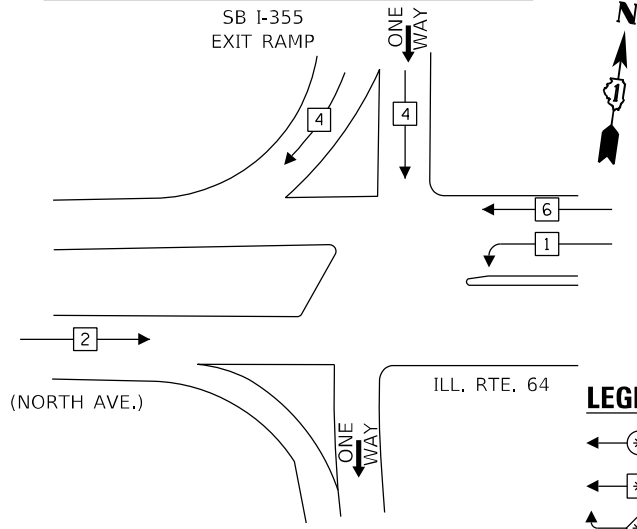
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND REMOVAL PLAN
ILLINOIS ROUTE 64 (NORTH AVENUE) AT WEST RAMP**

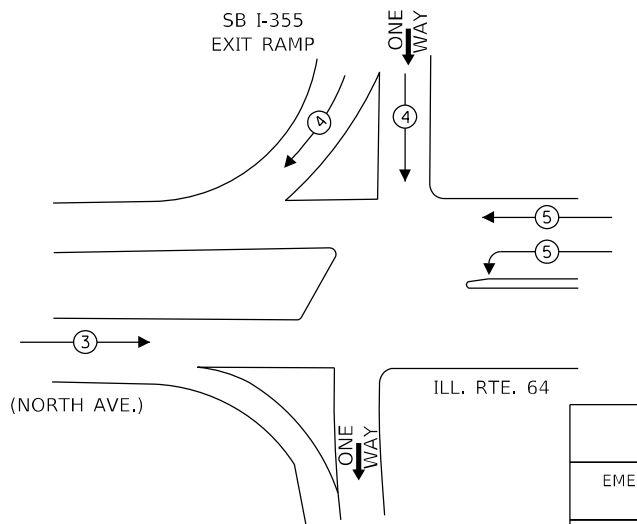
SCALE: 40,0000 ' / in. SHEET 10 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	65
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				

TEMPORARY CONTROLLER SEQUENCE



TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



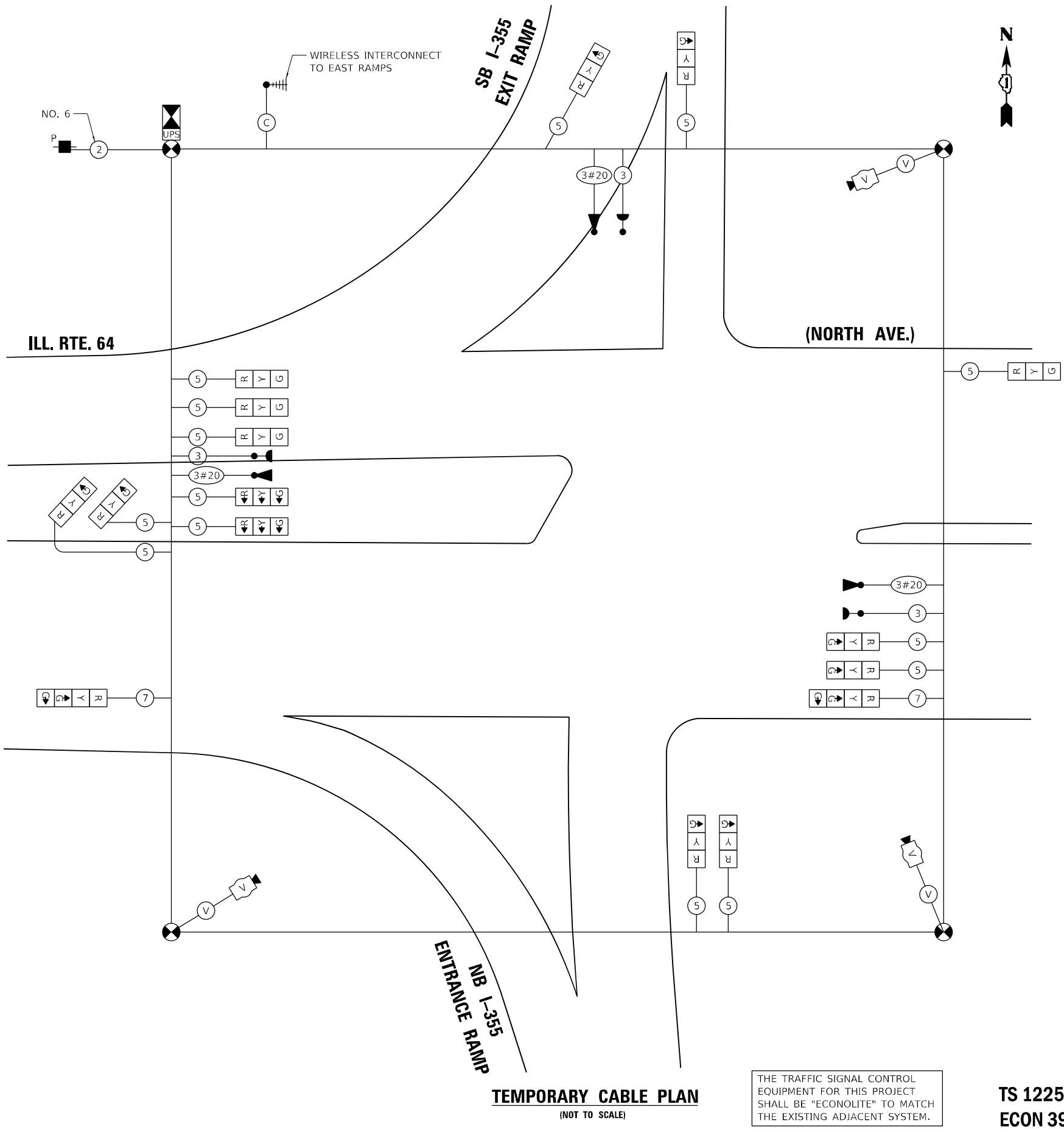
- LEGEND:**
- ← * → PROTECTED PHASE
 - ← * → SINGLE ENTRY PHASE
 - ← OL → OVERLAP
 - ← * → PEDESTRIAN PHASE
 - * NUMBER REFERS TO ASSOCIATED PHASE

EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTORS	3	4	5
MOVEMENT	→	↓	↔

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88
(YELLOW)	16	20	5	16
(GREEN)	20	12	45	108
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	1	150	100	150
BLANK-OUT SIGN	-	-	-	-
FLASHER	-	-	-	-
STREET NAME SIGN	-	-	-	-
LUMINAIRE	-	-	-	-
TOTAL =				487

ENERGY COSTS TO:
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/DISTRICT 1
 201 WEST CENTER COURT/SCHAUMBURG, IL 60196
 ENERGY SUPPLY: CONTACT: -
 PHONE: -
 COMPANY: COMED
 ACCOUNT NUMBER: -



TEMPORARY CABLE PLAN
(NOT TO SCALE)

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS 12255
ECON 39

TS SHT NO. 11

USER: abcmctc
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PLOT DATE = 9/21/2021 4:53:19 PM	DATE - 08/06/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN AND TEMPORARY PHASE DESIGNATION
DIAGRAM ILLINOIS 64 (NORTH AVENUE) AT WEST RAMP
SCALE: 2,0000 ' / in. SHEET 11 OF 21 SHEETS STA. TO STA.

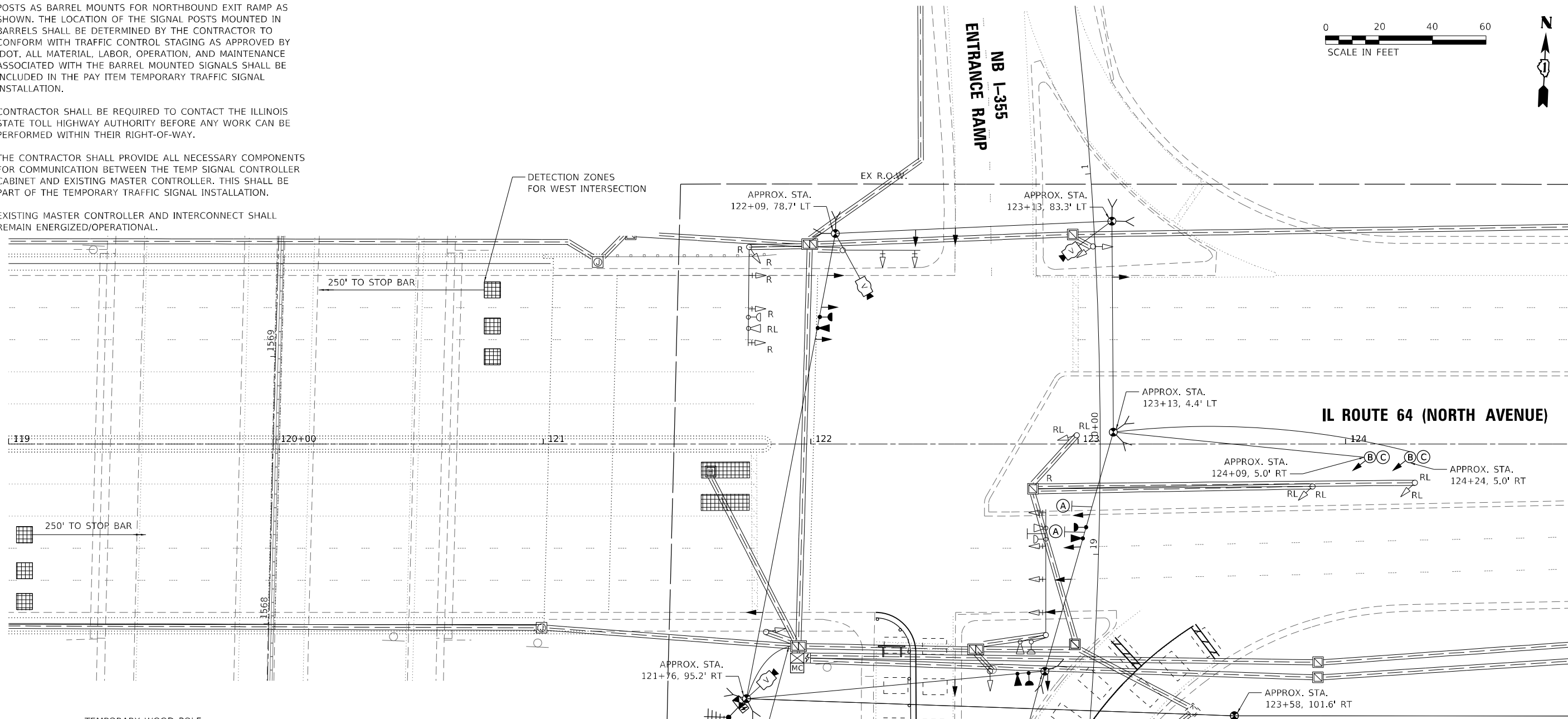
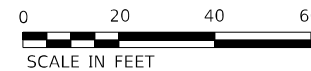
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	66
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPB-BUJE(494)				

NOTE 1: INSTALL 3-SECTION BRACKET MOUNT SIGNAL HEADS TO 18 FEET POSTS AS BARREL MOUNTS FOR NORTHBOUND EXIT RAMP AS SHOWN. THE LOCATION OF THE SIGNAL POSTS MOUNTED IN BARRELS SHALL BE DETERMINED BY THE CONTRACTOR TO CONFORM WITH TRAFFIC CONTROL STAGING AS APPROVED BY IDOT. ALL MATERIAL, LABOR, OPERATION, AND MAINTENANCE ASSOCIATED WITH THE BARREL MOUNTED SIGNALS SHALL BE INCLUDED IN THE PAY ITEM TEMPORARY TRAFFIC SIGNAL INSTALLATION.

NOTE 2: CONTRACTOR SHALL BE REQUIRED TO CONTACT THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY BEFORE ANY WORK CAN BE PERFORMED WITHIN THEIR RIGHT-OF-WAY.

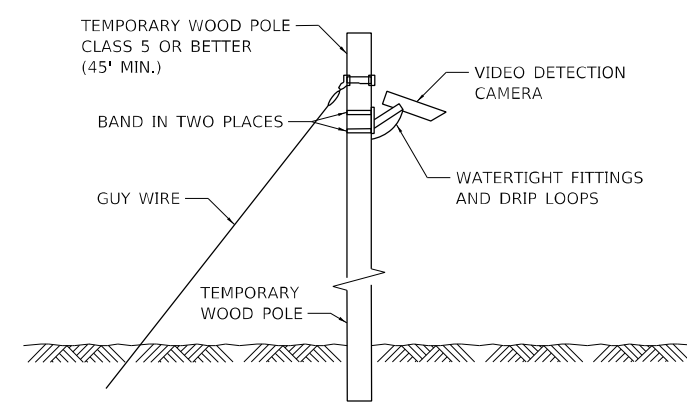
NOTE 3: THE CONTRACTOR SHALL PROVIDE ALL NECESSARY COMPONENTS FOR COMMUNICATION BETWEEN THE TEMP SIGNAL CONTROLLER CABINET AND EXISTING MASTER CONTROLLER. THIS SHALL BE PART OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.

NOTE 4: EXISTING MASTER CONTROLLER AND INTERCONNECT SHALL REMAIN ENERGIZED/OPERATIONAL.



250' TO STOP BAR

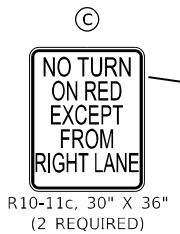
250' TO STOP BAR



TEMPORARY VIDEO DETECTION MOUNTING DETAIL
(NOT TO SCALE)

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

WIRELESS INTERCONNECT TO IL ROUTE 64 (NORTH AVENUE) AT WEST RAMPS
40'-UC-2" TO EXISTING STUB



LEGEND

- (B) TEMPORARY CONCRETE BARREL WITH POST FOR TRAFFIC SIGNAL HEAD.
- 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 SIGNAL HEAD
- 1 EACH MAST ARM ASSEMBLY AND POLE
- THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR SAFELY STORED AND RELOCATED, TO NEW FOUNDATIONS.
- 3 EACH TRAFFIC SIGNAL POST
- 3 EACH SIGNAL HEAD
- 1 EACH EMERGENCY VEHICLE PRIORITY SYSTEM

TS SHT NO. 12



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

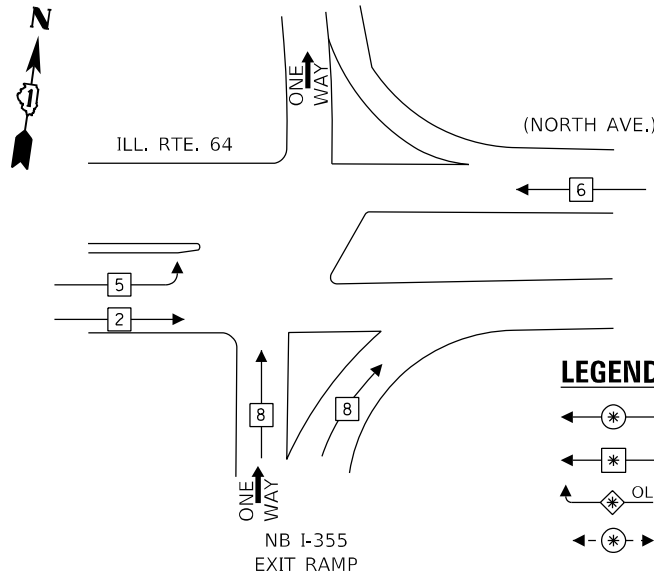
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND REMOVAL PLAN
ILLINOIS ROUTE 64 (NORTH AVENUE) AT EAST RAMP

SCALE: 40,0000 * / in. SHEET 12 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	67
CONTRACT NO. 62M35			ILLINOIS FED. AID PROJECT NHPP-BUJE(494)	

TS 12250
ECON 39

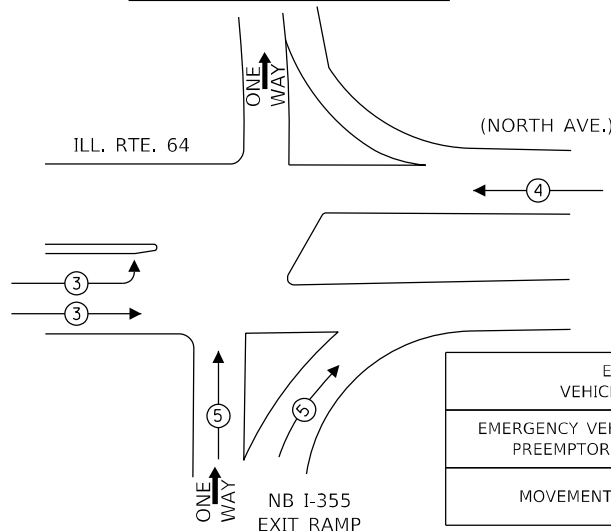
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ← ⊙ → PROTECTED PHASE
- ← ⊙ → SINGLE ENTRY PHASE
- ← ⊙ OL → OVERLAP
- ← ⊙ → PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE

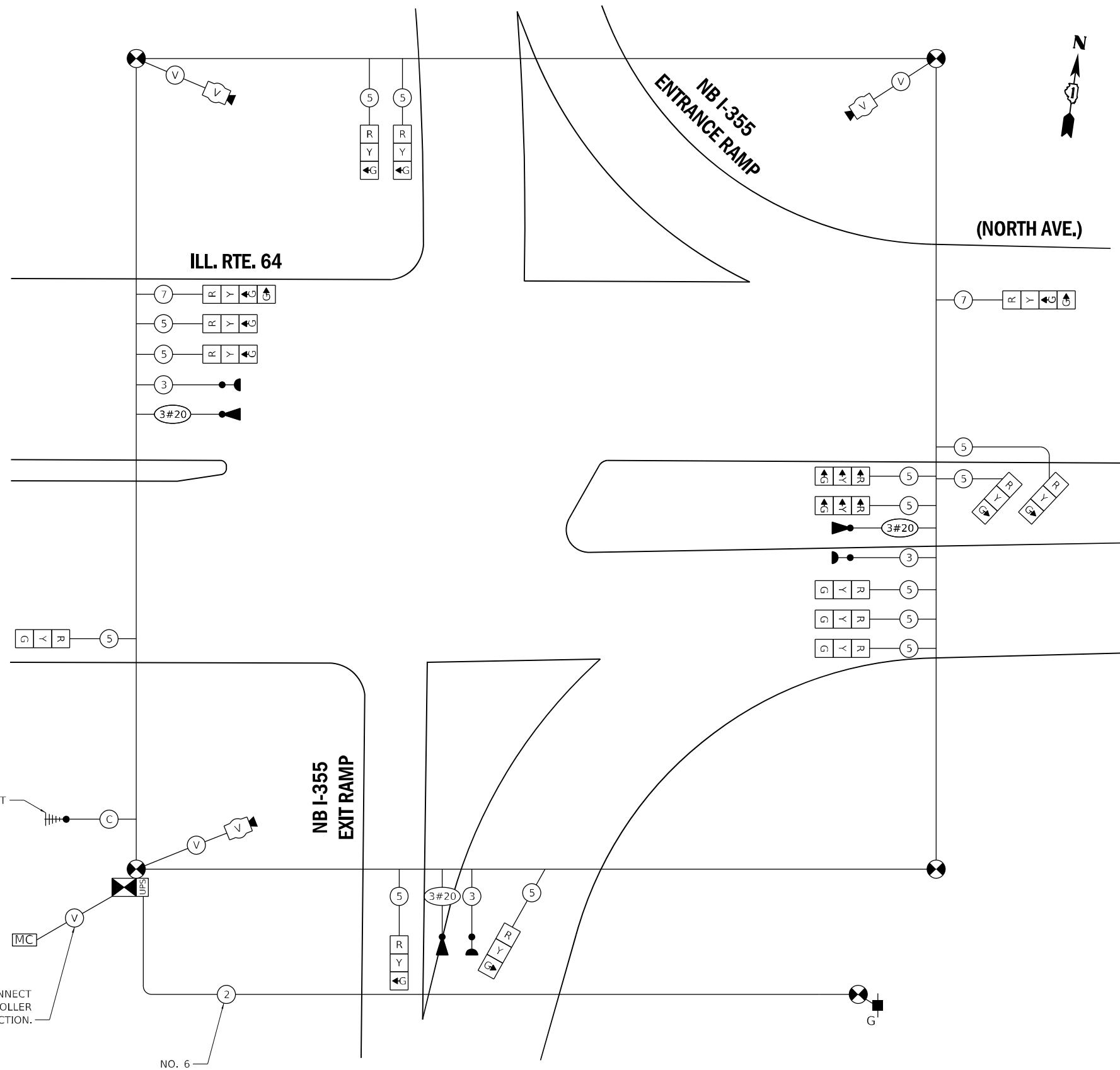


EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTORS	3	4	5	
MOVEMENT	↔	←	↑	

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88
(YELLOW)	16	20	5	16
(GREEN)	20	12	45	108
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	1	150	100	150
BLANK-OUT SIGN	-	-	-	-
FLASHER	-	-	-	-
STREET NAME SIGN	-	-	-	-
LUMINAIRE	-	-	-	-
TOTAL =				487

ENERGY COSTS TO:
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/DISTRICT 1
 201 WEST CENTER COURT/SCHAUMBURG, IL 60196
 ENERGY SUPPLY: CONTACT: -
 PHONE: -
 COMPANY: COMED
 ACCOUNT NUMBER: -



TEMPORARY CABLE PLAN

(NOT TO SCALE)

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS SHT NO. 14

USER: abcmct



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DESIGNED - DWB
 DRAWN - SVJ
 CHECKED - BKS
 DATE - 08/06/2021

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**TEMPORARY CABLE PLAN AND TEMPORARY PHASE DESIGNATION
 DIAGRAM ILLINOIS 64 (NORTH AVENUE) AT EAST RAMP**

SCALE: 2,0000 ' / in. SHEET 14 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	69

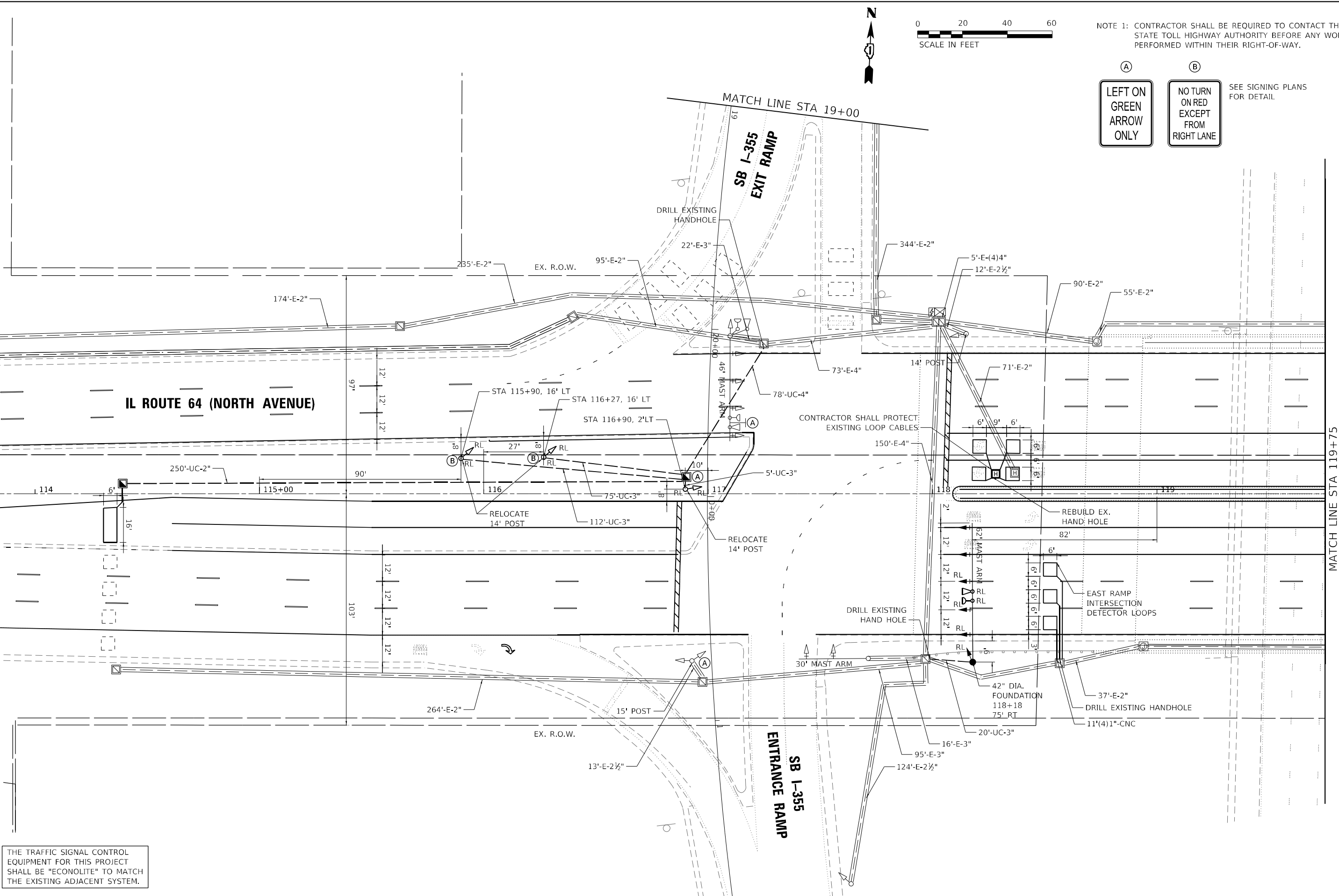
CONTRACT NO. 62M35

ECON 39
 TS 12250

ILLINOIS FED. AID PROJECT NHP-BUJE(494)

TS SHT NO. 16

USER: dbrnncet
PROJECT: Econolite
FILE NAME: PLOT_200_004_IDOT_PTB_190_14_Phase_II_Via-Via-DecIn-WD_20_021335UCDDI-CADD_Sheet10162M35-pts-4c-10sigpln-64wrram01.dgn



NOTE 1: CONTRACTOR SHALL BE REQUIRED TO CONTACT THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY BEFORE ANY WORK CAN BE PERFORMED WITHIN THEIR RIGHT-OF-WAY.

(A) LEFT ON GREEN ARROW ONLY

(B) NO TURN ON RED EXCEPT FROM RIGHT LANE

SEE SIGNING PLANS FOR DETAIL

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

MATCH LINE STA 119+75

TS 12255
ECON 39



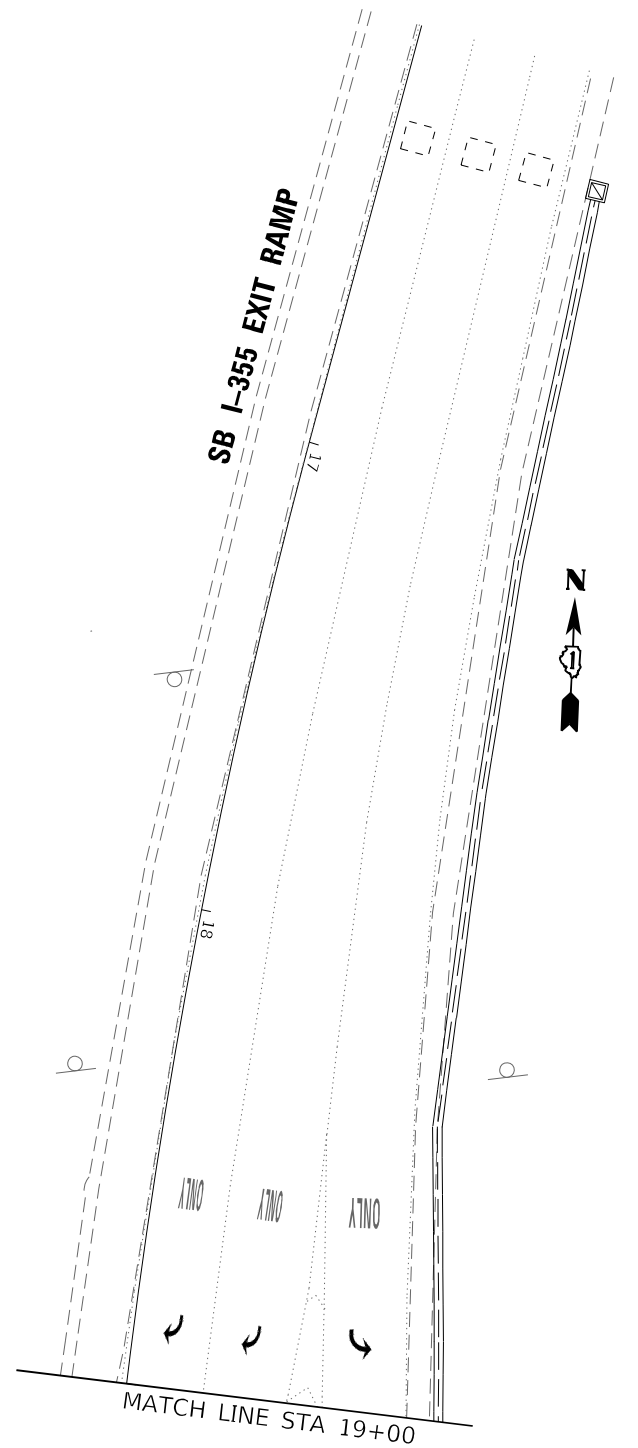
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN
ILLINOIS ROUTE 64 (NORTH AVENUE) AT WEST RAMP

SCALE: 40.0000' / in. SHEET 16 OF 21 SHEETS STA. TO STA.

F.A.P. RTE. 307	SECTION 2020-180-BR	COUNTY	TOTAL SHEETS 110	SHEET NO. 71
DUPAGE			CONTRACT NO. 62M35	
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

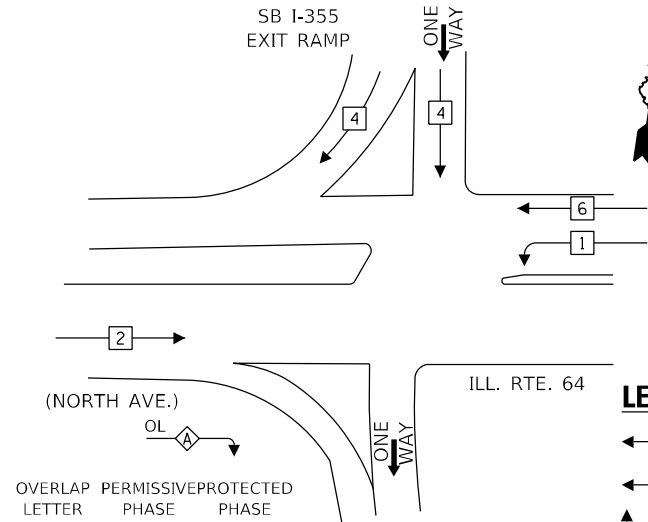
TRAFFIC SIGNAL INSTALLATION PLAN
 ILLINOIS ROUTE 64 (NORTH AVENUE) AT WEST RAMP
 SCALE: 40,0000 ' / in. SHEET 17 OF 21 SHEETS STA. TO STA.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS 12255
 ECON 39

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62M35				
ILLINOIS		FED. AID PROJECT	NHPP-BUJE(494)	

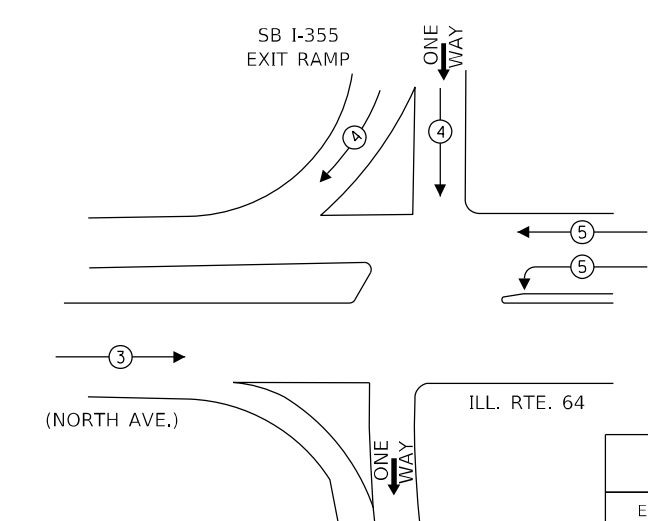
CONTROLLER SEQUENCE



LEGEND:

- ← * → PROTECTED PHASE
- ← * → SINGLE ENTRY PHASE
- ← OL → OVERLAP
- ← * → PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE

EMERGENCY VEHICLE PREEMPTION SEQUENCE

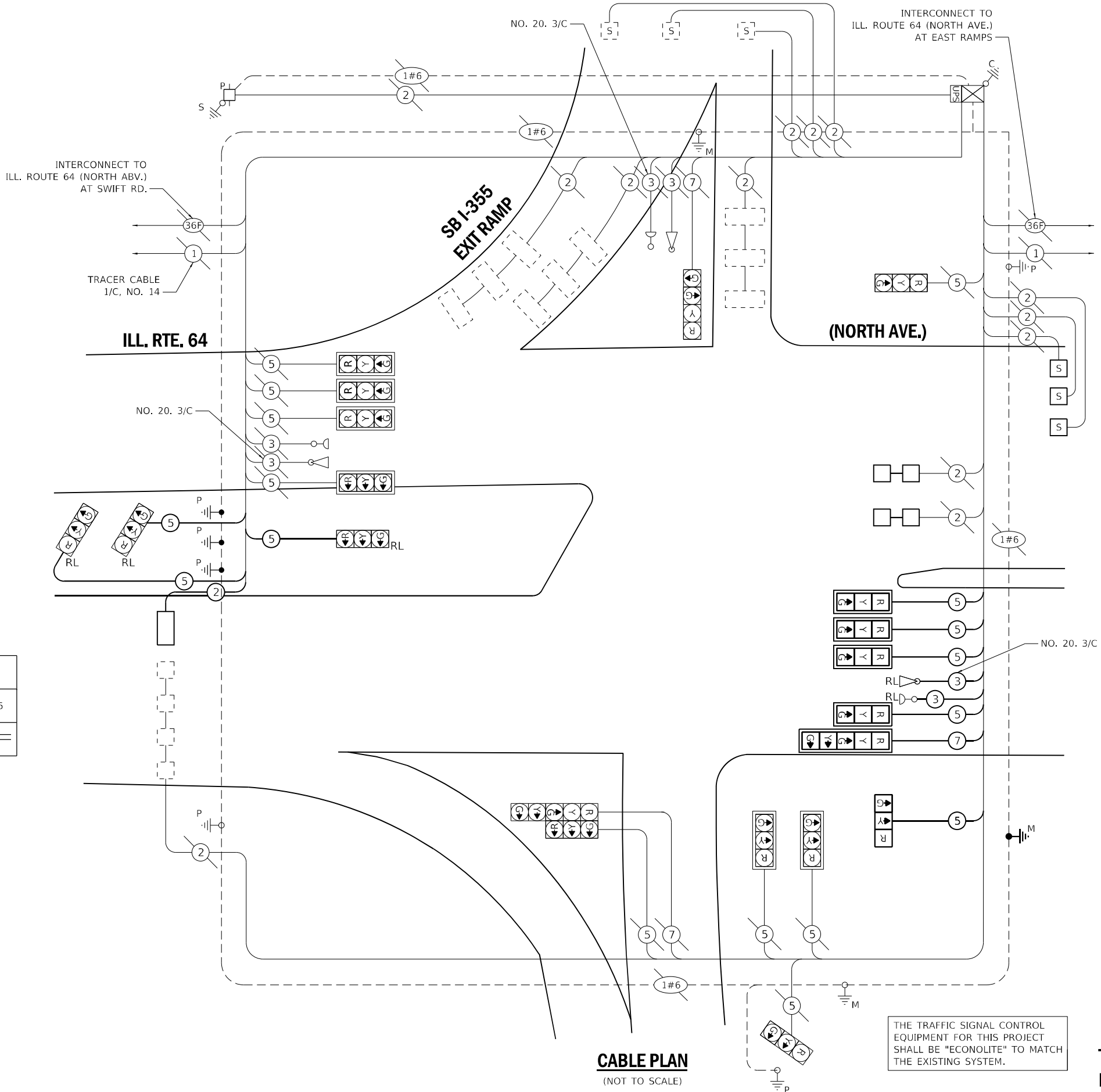


TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110
(YELLOW)	20	20	5	20
(GREEN)	21	12	45	113.4
PERMISSIVE ARROW	4	10	10	4
PED. SIGNAL	-	-	-	-
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	-	-	-	-
BLANK-OUT SIGN	-	-	-	-
FLASHER	-	-	-	-
STREET NAME SIGN	-	-	-	-
LUMINAIRE	-	-	-	-
TOTAL =				372.4

EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTORS	3	4	5
MOVEMENT	→	↓	↔

ENERGY COSTS TO:
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/DISTRICT 1
 201 WEST CENTER COURT/SCHAUMBURG, IL 60196
 ENERGY SUPPLY: CONTACT: -
 PHONE: -
 COMPANY: COMED
 ACCOUNT NUMBER: -



CABLE PLAN
(NOT TO SCALE)

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.

**TS 12255
ECON 39**

TS SHT NO. 18

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DESIGNED - DWB
 DRAWN - SVJ
 CHECKED - BKS
 DATE - 08/06/2021

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CABLE PLAN
ILLINOIS ROUTE 64 (NORTH AVENUE) AT WEST RAMP
 SCALE: 2,0000 ' / in. SHEET 18 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	73
CONTRACT NO. 62M35			ILLINOIS FED. AID PROJECT NHPP-BUJE(494)	

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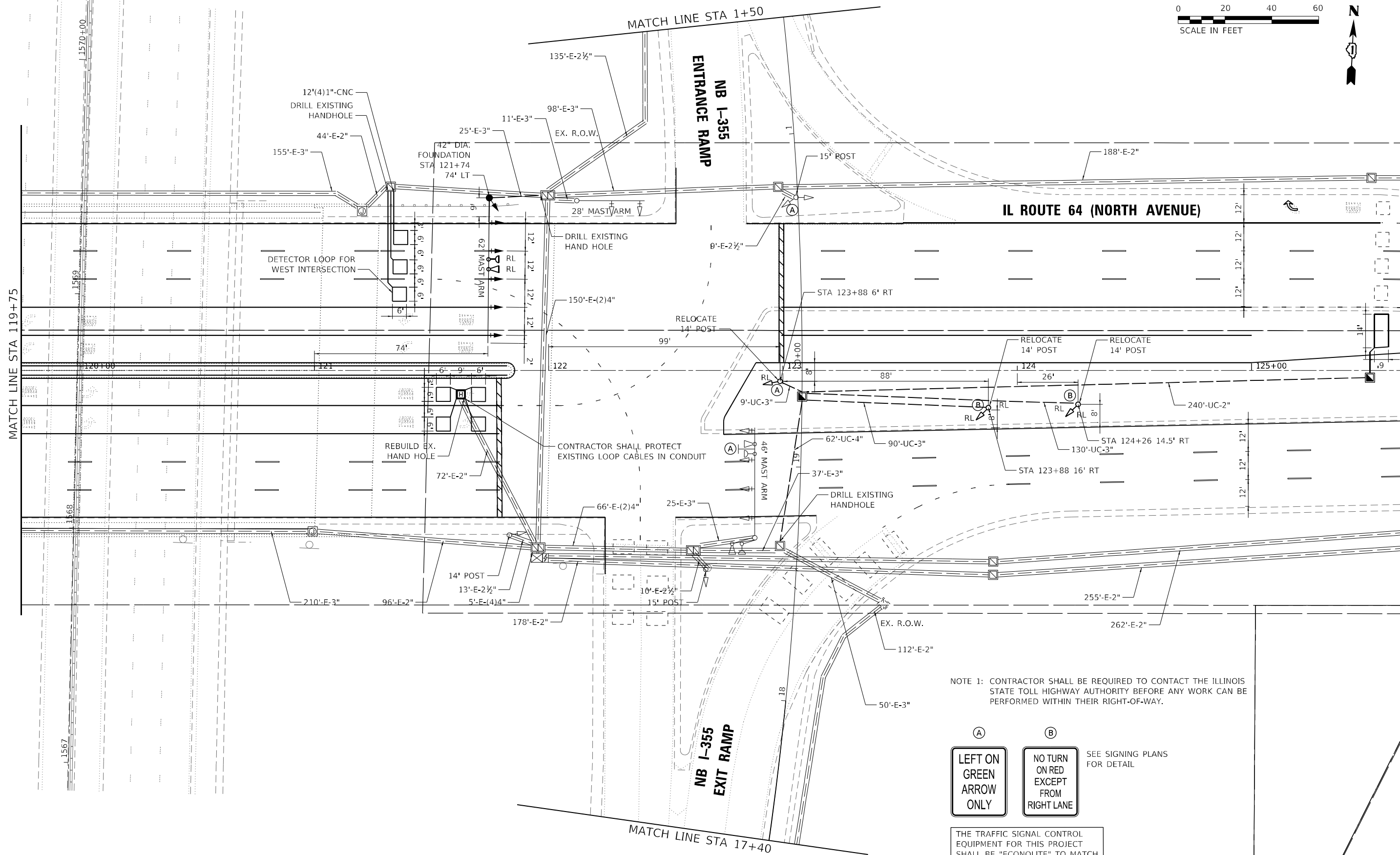
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PLOT DATE = 9/21/2021 4:56:21 PM	DATE - 08/06/2021	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN
 ILLINOIS ROUTE 64 (NORTH AVENUE) EAST RAMP

SCALE: 40,0000 * / in. SHEET 19 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	74
CONTRACT NO. 62M35			ILLINOIS FED. AID PROJECT NHPP-BUJE(494)	



NOTE 1: CONTRACTOR SHALL BE REQUIRED TO CONTACT THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY BEFORE ANY WORK CAN BE PERFORMED WITHIN THEIR RIGHT-OF-WAY.

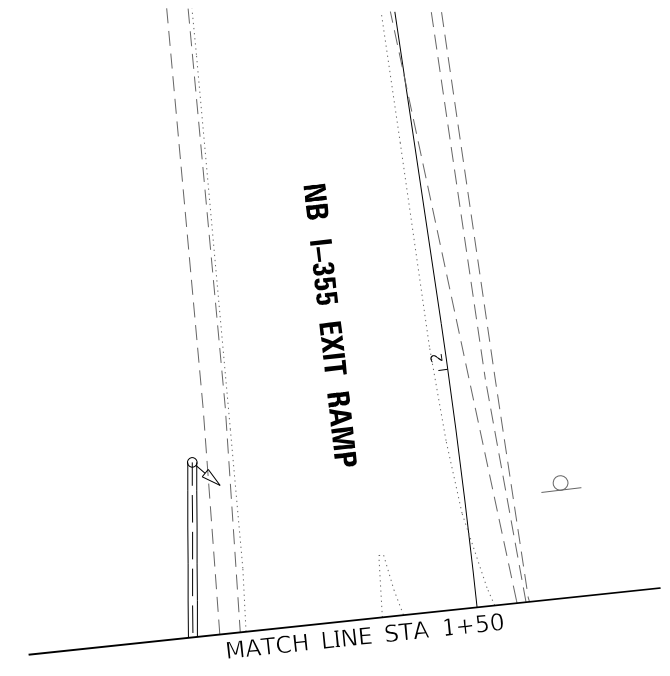
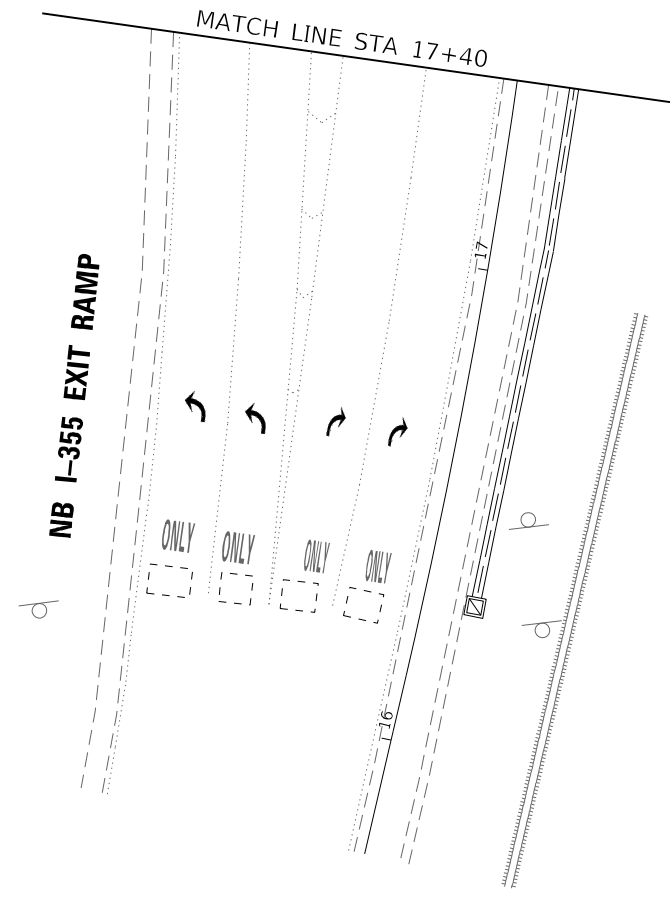
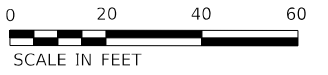
(A) LEFT ON GREEN ARROW ONLY

(B) NO TURN ON RED EXCEPT FROM RIGHT LANE

SEE SIGNING PLANS FOR DETAIL

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS 12250
 ECON 39



TS SHT NO. 20

USER: ebernet
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

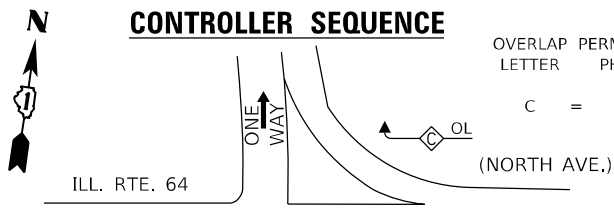
TRAFFIC SIGNAL INSTALLATION PLAN
 ILLINOIS ROUTE 64 (NORTH AVENUE) AT EAST RAMP

SCALE: 40.0000 ' / in. SHEET 20 OF 21 SHEETS STA. TO STA.

THE TRAFFIC SIGNAL CONTROL
 EQUIPMENT FOR THIS PROJECT
 SHALL BE "ECONOLITE" TO MATCH
 THE EXISTING ADJACENT SYSTEM.

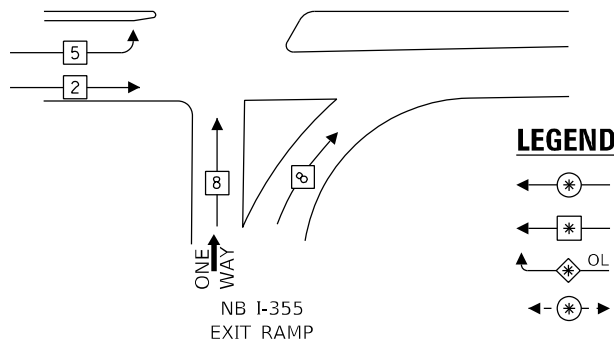
TS 12250
 ECON #39

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	75
CONTRACT NO. 62M35				
ILLINOIS			FED. AID PROJECT	NHPP-BUIE(494)



OVERLAP PERMISSIVE PROTECTED
LETTER PHASE PHASE

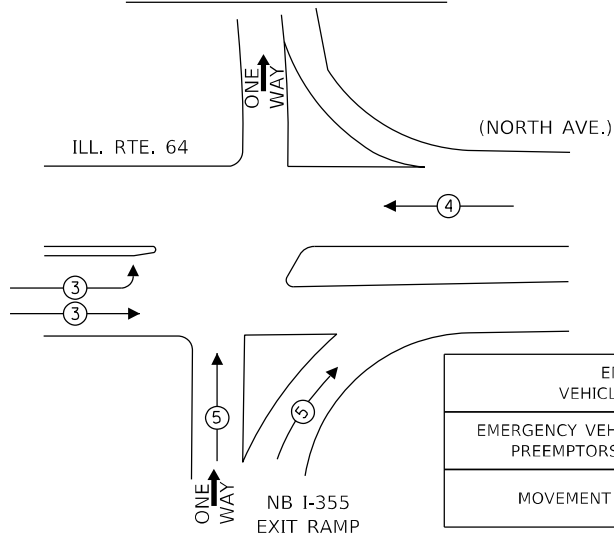
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**EMERGENCY VEHICLE
PREEMPTION SEQUENCE**

LEGEND:

- ← * → PROTECTED PHASE
- ← * → SINGLE ENTRY PHASE
- ← * OL → OVERLAP
- ← * → PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE



EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTORS	3	4	5
MOVEMENT	↔	←	↑

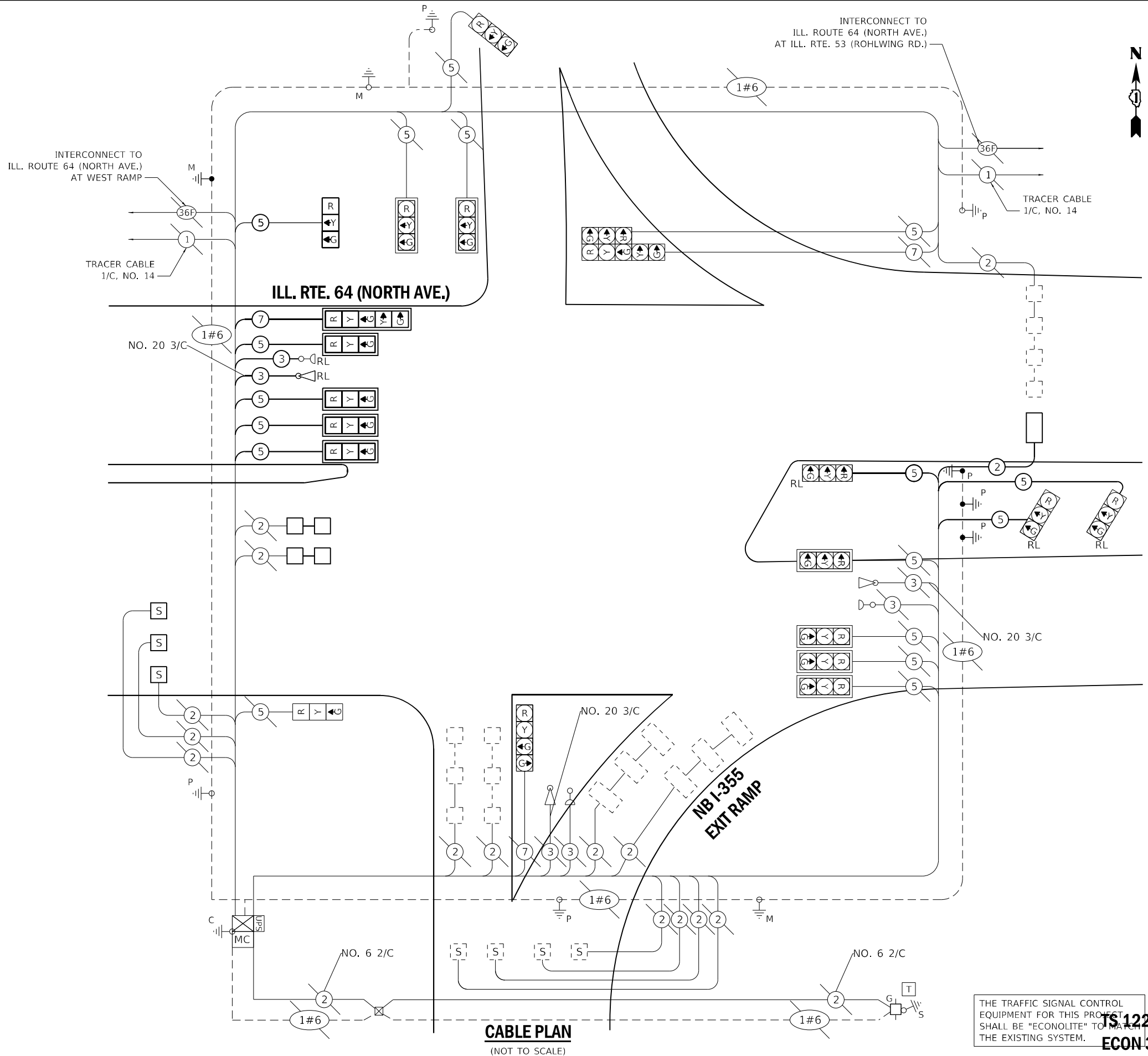
**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110
(YELLOW)	20	20	5	20
(GREEN)	21	12	45	113.4
PERMISSIVE ARROW	4	10	10	4
PED. SIGNAL	-	-	-	-
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	-	-	-	-
BLANK-OUT SIGN	-	-	-	-
FLASHER	-	-	-	-
STREET NAME SIGN	-	-	-	-
LUMINAIRE	-	-	-	-
TOTAL =				372.4

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: -
PHONE: -
COMPANY: COMED
ACCOUNT NUMBER: -



CABLE PLAN
(NOT TO SCALE)

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.

**TS 12250
ECON 39**

TS SHT NO. 21

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DESIGNED - DWB
DRAWN - SVJ
CHECKED - BKS
DATE - 08/06/2021

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN
ILLINOIS ROUTE 64 (NORTH AVENUE) AT EAST RAMP

SCALE: 2,0000 ' / in. SHEET 21 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	76
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPB-BUJE(494)				

Existing Structure: Structure No. 022-0221 was constructed in 1988 under Contract CIP-619 and rehabilitated in 2018 under Toll Authority Contract RR-16-4256. Existing structure is a two span bridge measuring 208'-0" center-to-center bearings at abutments. The bridge has a width of 142'-0" out-to-out. The superstructure consists of 63" precast, prestressed, girders with a composite deck and precast, post-tensioned concrete beams. The substructure consists of two reinforced concrete abutments on steel H-piles and one reinforced concrete pier on steel H-piles. The bridge has skewed supports.

Traffic to be maintained using stage construction.

No salvage.

DESIGN SPECIFICATIONS
2002 AASHTO Standard Specifications
for Highway Bridges, 17th Edition

DESIGN STRESSES

FIELD UNITS

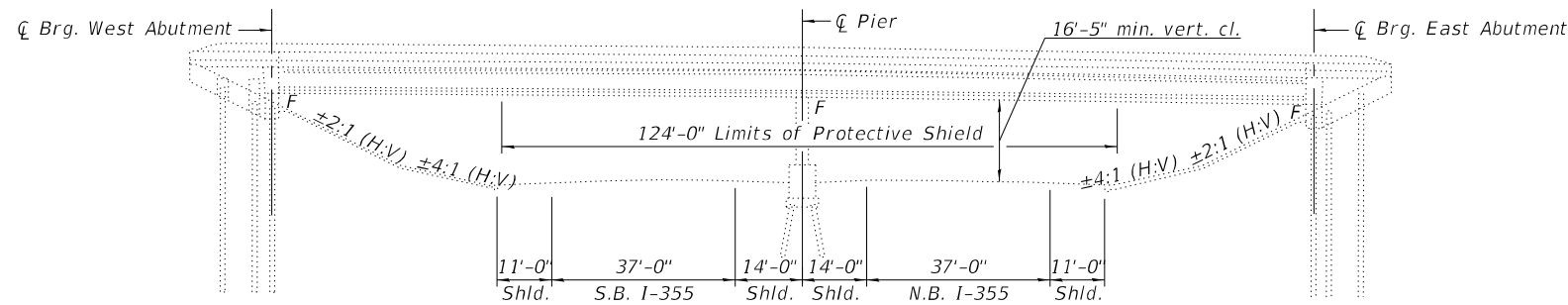
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 $f_y = 60,000$ psi (Reinforcement)

RECONSTRUCTION (2018)

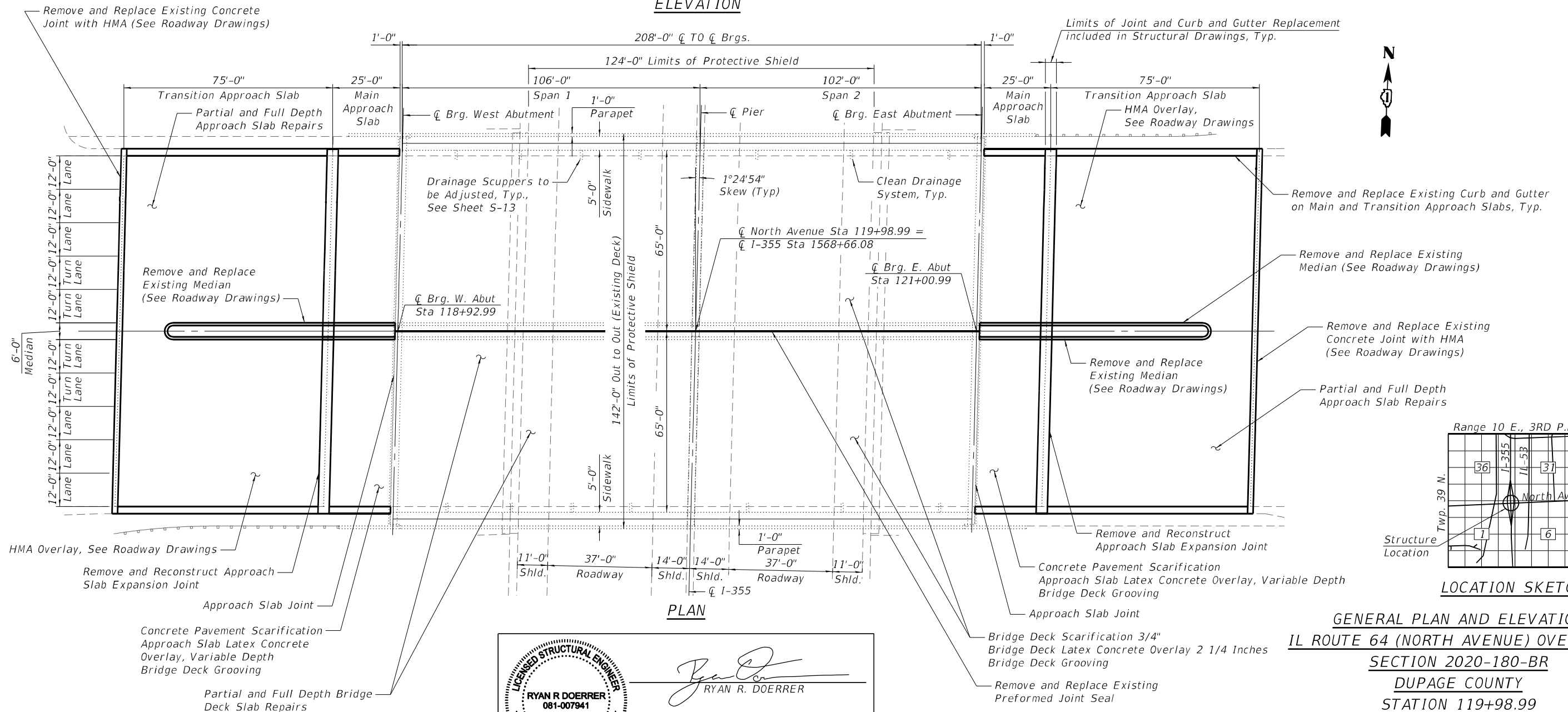
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ORIGINAL CONSTRUCTION (1988)

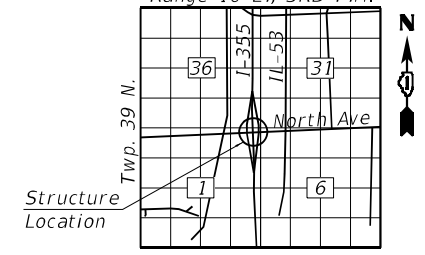
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 $f_y = 60,000$ psi (Reinforcement)



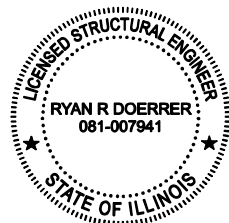
ELEVATION



PLAN



LOCATION SKETCH


 RYAN R. DOERRER
 081-007941
 DATE 09/21/2021 EXPIRES 11/30/2022

NOTE:
Dimensions, Stations and Clearances shown are from existing drawings.

GENERAL PLAN AND ELEVATION
IL ROUTE 64 (NORTH AVENUE) OVER I-355
SECTION 2020-180-BR
DUPAGE COUNTY
STATION 119+98.99
STRUCTURE NO. 022-0221
TOLLWAY STR. NO. 1405 (WB) AND 1406 (EB)

USER: jstapleton
 MODEL: Default
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 022-0221

SHEET 5-01 OF 5-16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	77
CONTRACT NO. 62M35				
ILLINOIS		FED. AID PROJECT		NHPP-BUJE(494)

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

All exposed concrete edges shall have a 3/4" x 45 degree chamfer except where shown otherwise.

HMA installation adjacent to Concrete Superstructure (Approach Slab) placed for the joint reconstruction must be installed after Concrete Superstructure (Approach Slab) placement.

Joint openings shall be adjusted according with Art. 520.04 of the Standard Specs. when the deck is poured at an ambient temperature other than 50° F.

Expansion joint shall be fabricated to conform to the existing cross slopes of the Main Approach Slab.

SCOPE OF WORK

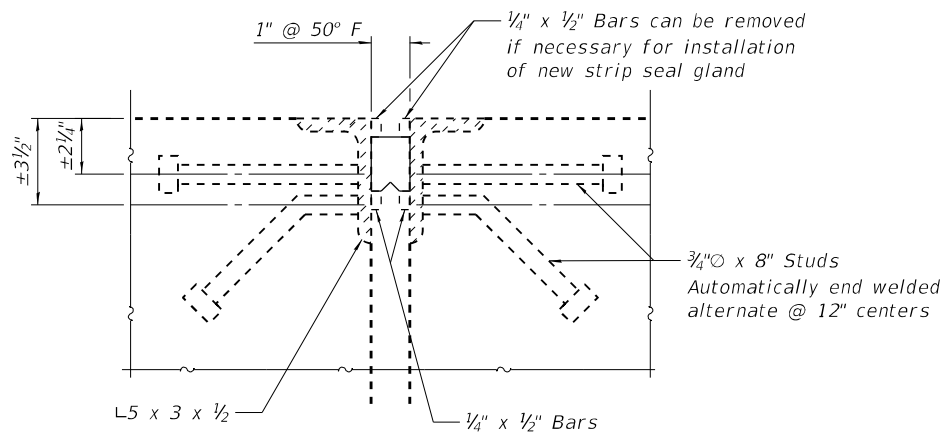
1. Complete Partial Depth and Full Depth Patching on Bridge Deck.
2. Complete Partial Depth Patching on the Approach Slabs.
3. Reconstruct Joint in Approach Slab with Preformed Joint Strip Seals.
4. Remove and Replace Relief Joint at end of the Approach Slab with HMA (See Roadway Drawings).
5. Clean and Adjust Drainage Scuppers.
6. Complete Hydro Scarification and Latex Overlay on Bridge Deck and Main Approach Slab.
7. Construct Butt Joints in the Transition Approach Slab pavements and Install HMA overlay on Transition Approach Slab (See Roadway Drawings).
8. Apply Protective coat to new concrete and latex overlay areas on reconstructed joints, main approach slab and bridge deck.
9. Replace Longitudinal Preformed Joint Seal.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	CU YD	83.7	0	83.7
Protective Shield	SQ YD	1,957	0	1,957
Bridge Deck Grooving	SQ YD	3,623	0	3,623
Protective Coat	SQ YD	3,718	0	3,718
Concrete Superstructure (Approach Slab)	CU YD	103.5	0	103.5
Reinforcement Bars, Epoxy Coated	POUND	3,580	0	3,580
Bar Splicers	EACH	104	0	104
Preformed Joint Seal 1/2"	FOOT	210	0	210
Preformed Joint Strip Seal	FOOT	264	0	264
Approach Slab Latex Concrete Overlay, Variable Depth	SQ YD	605	0	605
Approach Slab Repair (Full Depth)	SQ YD	2	0	2
Approach Slab Repair (Partial Depth)	SQ YD	79	0	79
Bridge Deck Latex Concrete Overlay, 2 1/4 Inches	SQ YD	2,940	0	2,940
Cleaning Drainage System	L SUM	1	0	1
Bridge Deck Scarification 3/4"	SQ YD	2,940	0	2,940
Concrete Pavement Scarification	SQ YD	605	0	605
Deck Slab Repair (Full Depth, Type II)	SQ YD	4	0	4
Drainage Scuppers to be Adjusted	EACH	14	0	14

INDEX OF SHEETS

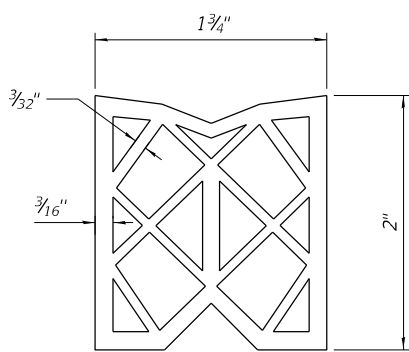
- S-01 General Plan and Elevation
- S-02 General Data
- S-03 Stage Construction Details (1 of 4)
- S-04 Stage Construction Details (2 of 4)
- S-05 Stage Construction Details (3 of 4)
- S-06 Stage Construction Details (4 of 4)
- S-07 Temporary Concrete Barrier for Stage Construction
- S-08 Deck Repair Plan (1 of 2)
- S-09 Deck Repair Plan (2 of 2)
- S-10 Approach Slab Strip Seal Details (1 of 2)
- S-11 Approach Slab Strip Seal Details (2 of 2)
- S-12 Preformed Joint Strip Seal
- S-13 Scupper Adjustment
- S-14 Existing Scupper - For Information Only
- S-15 Bar Splicer Assembly and Mechanical Splicer Details
- S-16 Existing General Plan and Elevation



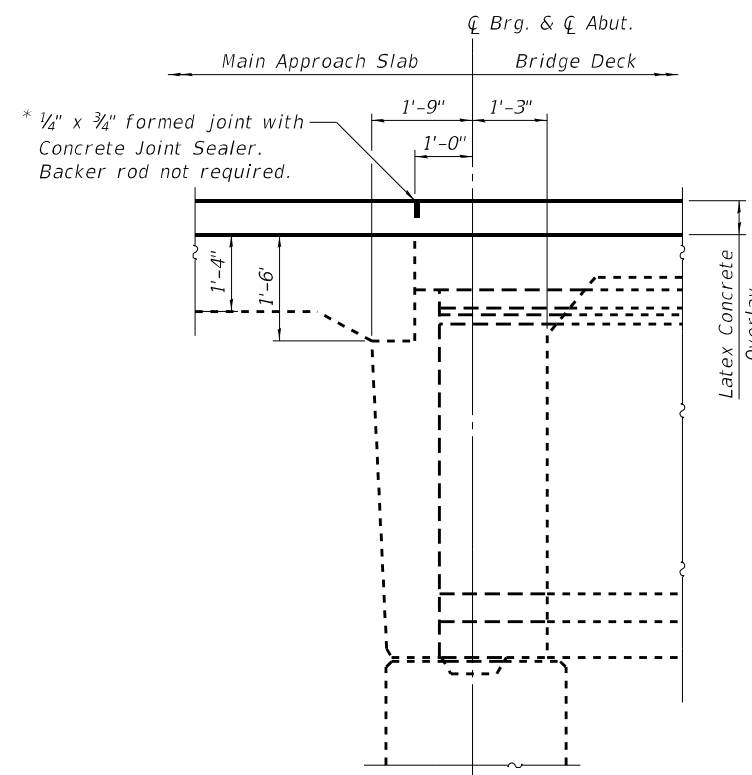
SECTION C-C

LONGITUDINAL OPEN JOINT

(See Preformed Bridge Joint Seal Special Provision for removal and replacement)



1 3/4" JOINT
PREFORMED JOINT SEAL



SECTION THRU ABUTMENT

* Included in the cost of Bridge Deck Latex Concrete Overlay 2 1/4 Inches

LONGITUDINAL STRIP SEAL GLAND REPLACEMENT DETAIL

(Existing Section is from Contract CIP-619)

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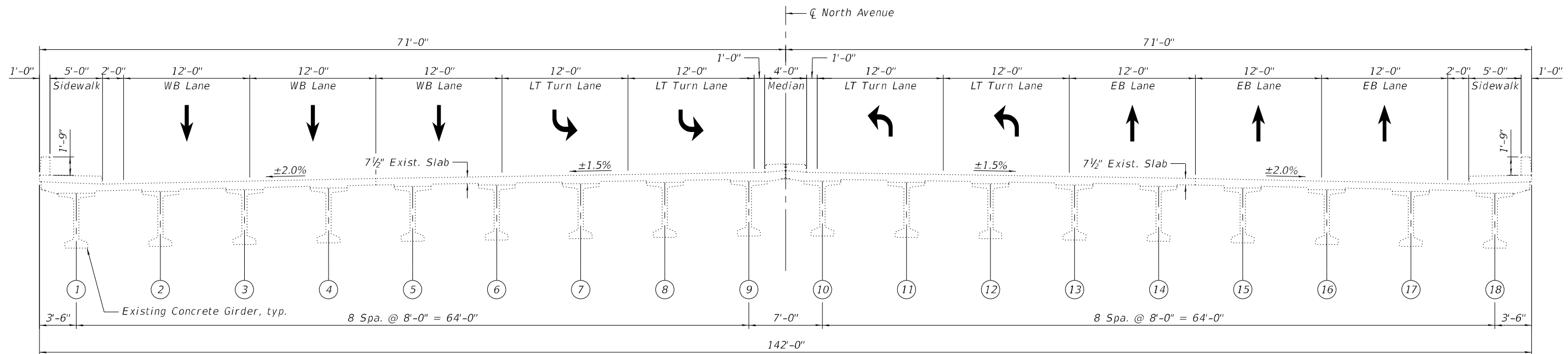
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

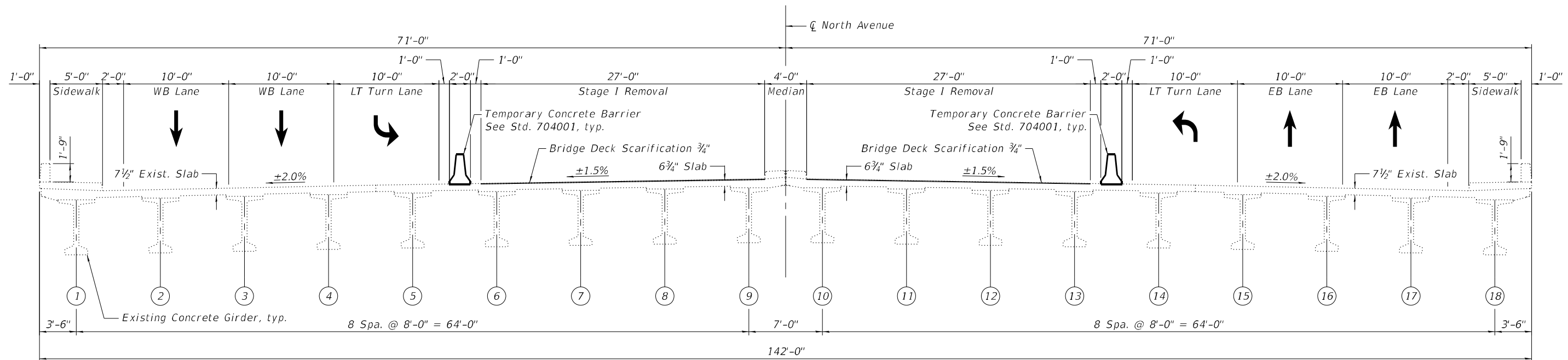
**GENERAL DATA
STRUCTURE NO. 022-0221**

SHEET 5-02 OF 5-16 SHEETS

F.A.P. RTE. 307	SECTION 2020-180-BR	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 78
CONTRACT NO. 62M35			ILLINOIS FED. AID PROJECT NHP-02-04(494)	



EXISTING CROSS SECTION
(Looking East)



STAGE I REMOVAL
(Looking East)

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MODEL: Default
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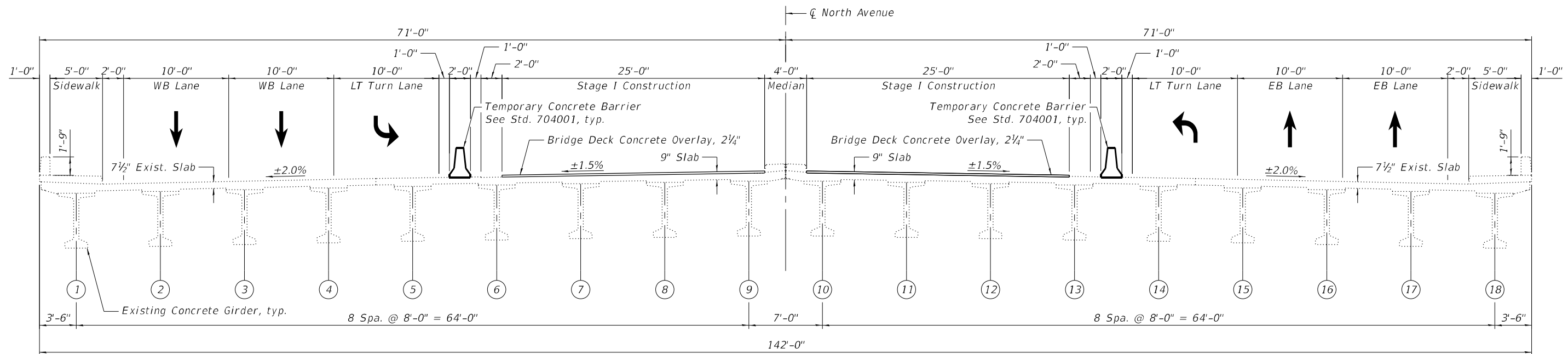
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

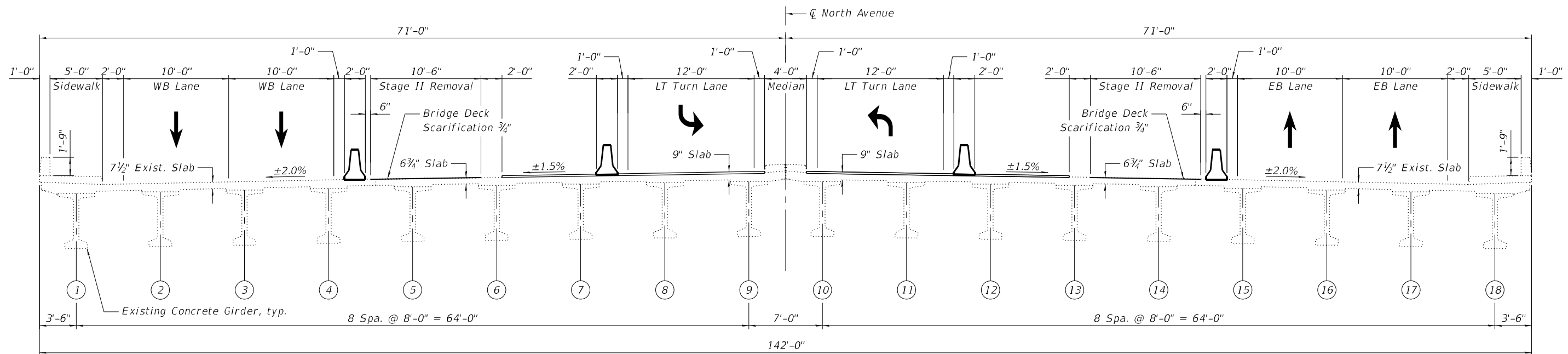
STAGE CONSTRUCTION DETAILS (1 OF 4)
STRUCTURE NO. 022-0221

SHEET 5-03 OF 5-16 SHEETS

F.A.P. RTE. 307	SECTION 2020-180-BR	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 79
CONTRACT NO. 62M35				
ILLINOIS		FED. AID PROJECT NHPP-BUJE(494)		



STAGE I CONSTRUCTION
(Looking East)



STAGE II REMOVAL
(Looking East)

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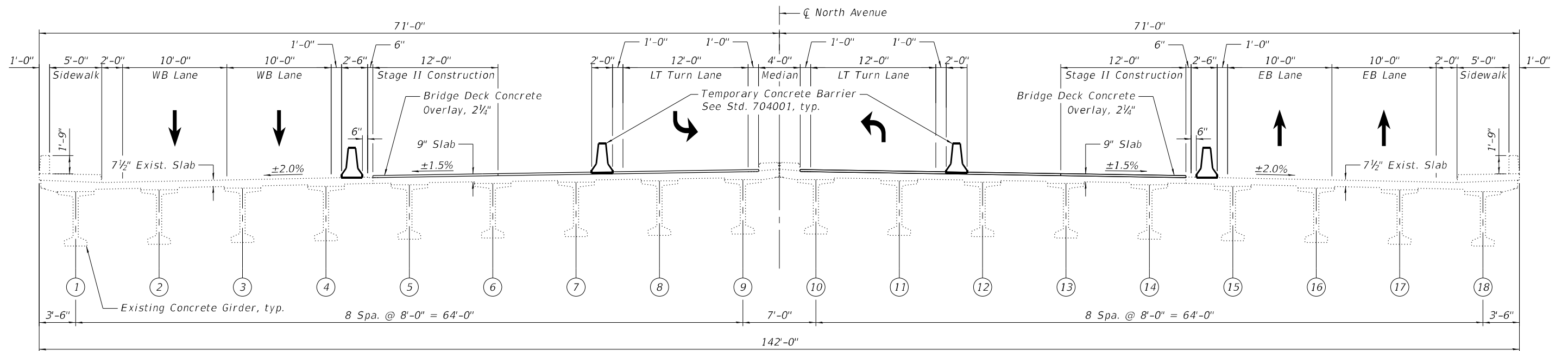
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

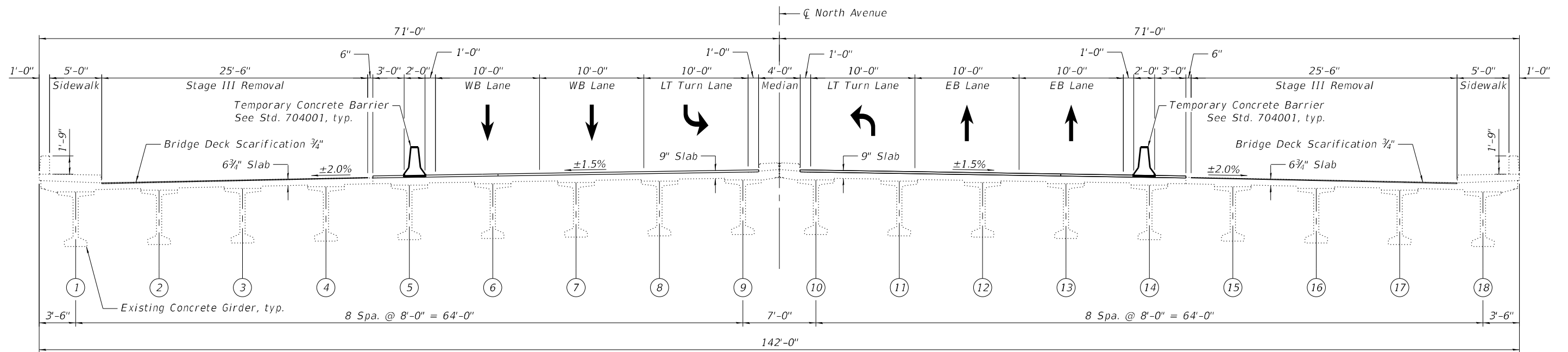
STAGE CONSTRUCTION DETAILS (2 OF 4)
STRUCTURE NO. 022-0221

SHEET 5-04 OF 5-16 SHEETS

F.A.P. RTE. 307	SECTION 2020-180-BR	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 80
CONTRACT NO. 62M35				
ILLINOIS		FED. AID PROJECT NHPP-BUJE(494)		



STAGE II CONSTRUCTION
(Looking East)



STAGE III REMOVAL
(Looking East)

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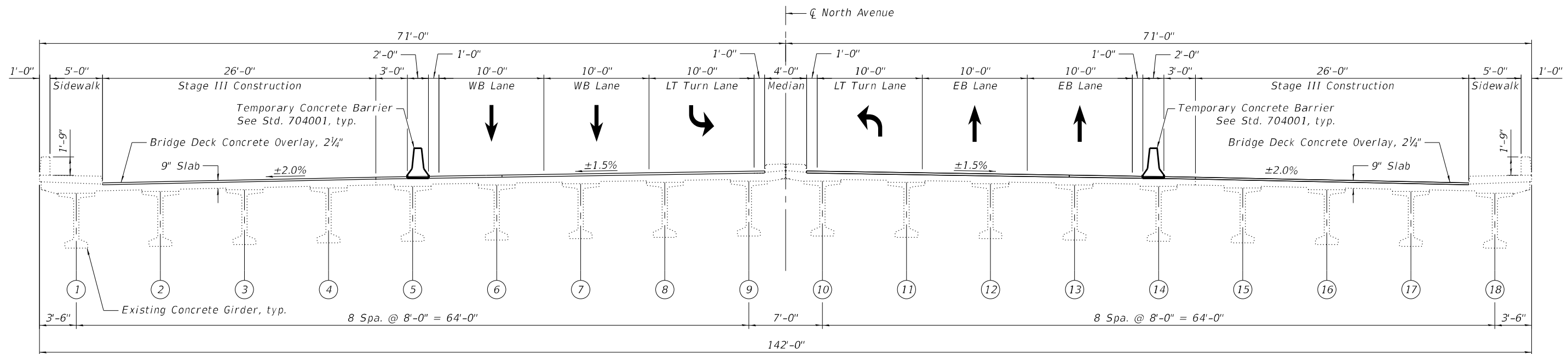
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

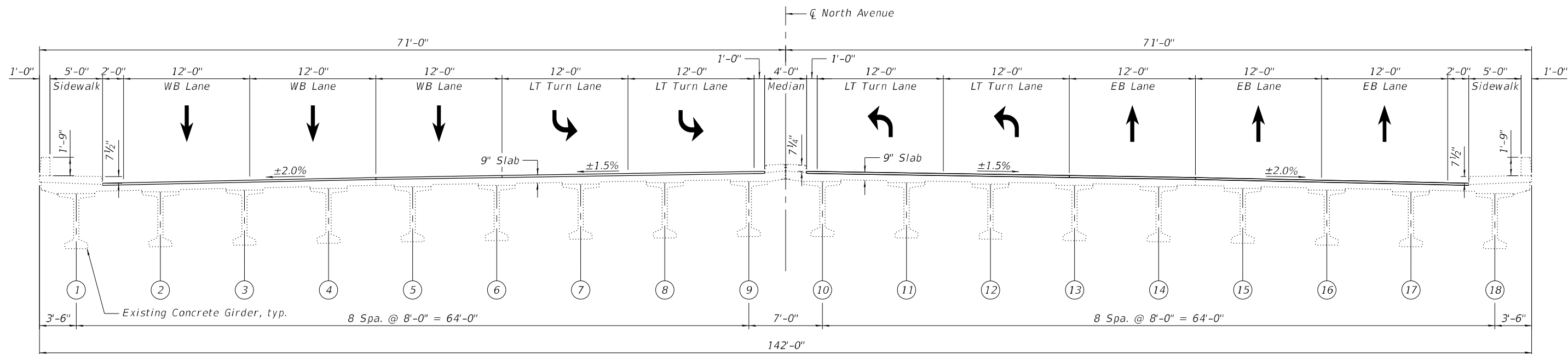
STAGE CONSTRUCTION DETAILS (3 OF 4)
STRUCTURE NO. 022-0221

SHEET 5-05 OF 5-16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	81
CONTRACT NO. 62M35				
ILLINOIS		FED. AID PROJECT	NHPP-BUJE(494)	



STAGE III CONSTRUCTION
(Looking East)



FINAL CROSS SECTION
(Looking East)

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MODEL: Default
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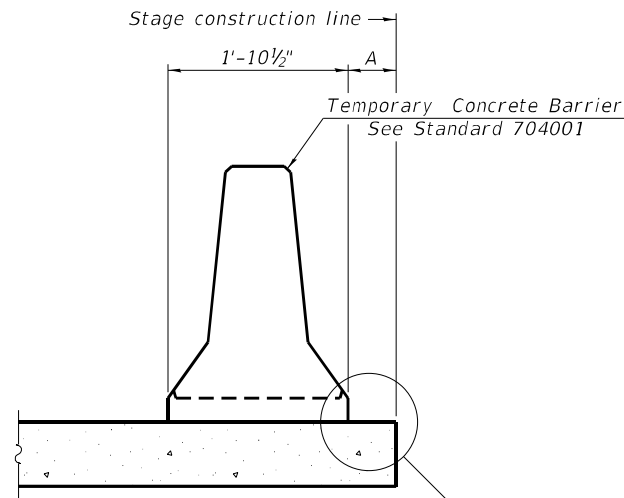
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS (4 OF 4)
STRUCTURE NO. 022-0221

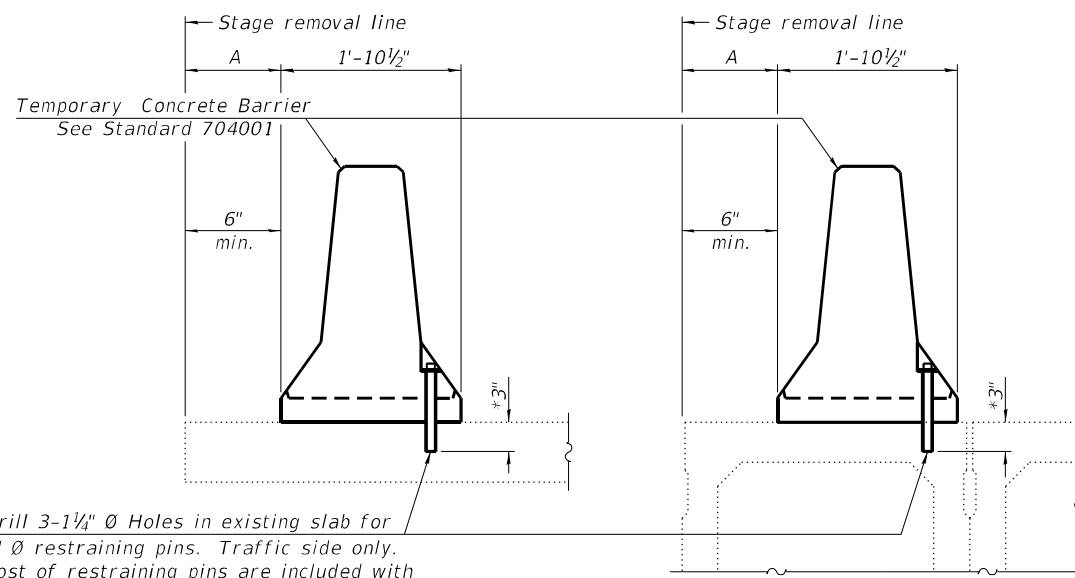
SHEET 5-06 OF 5-16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	82
CONTRACT NO. 62M35				
ILLINOIS		FED. AID PROJECT	NHPP-BUJE(494)	



When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM

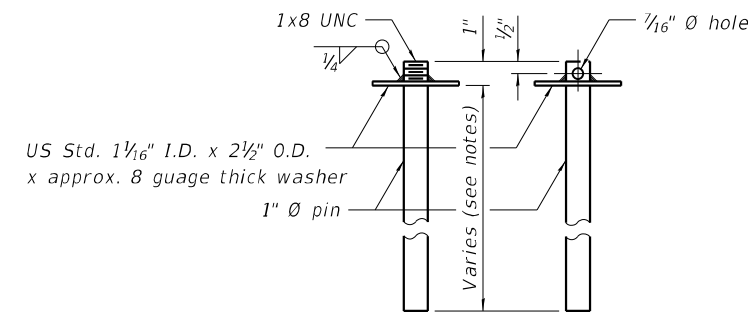


Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

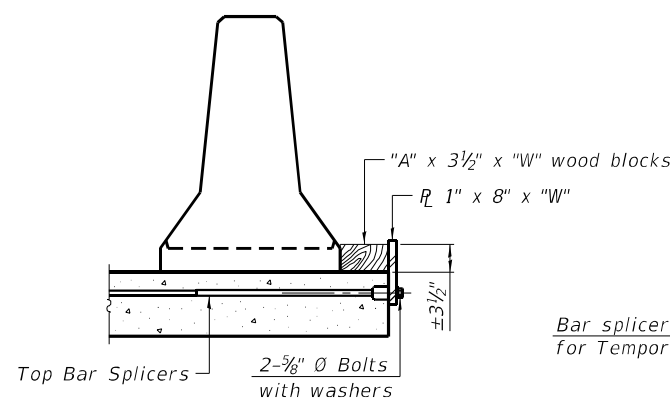
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM



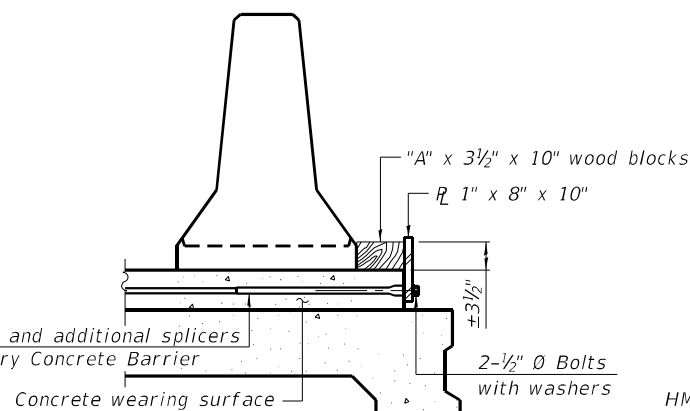
RESTRAINING PIN

SECTIONS THRU SLAB OR DECK BEAM

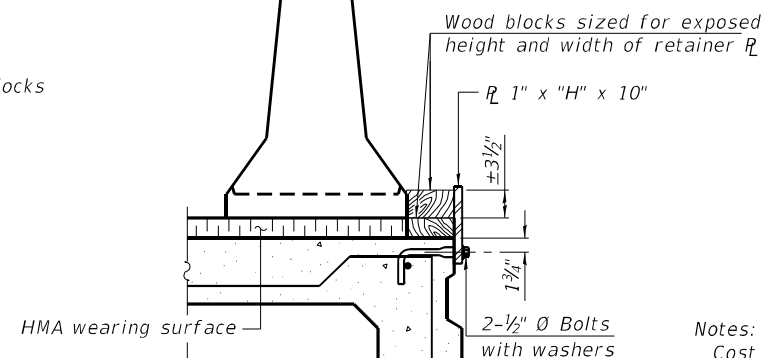


DETAIL I

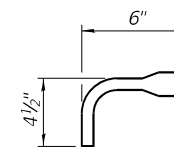
Bar splicers and additional splicers for Temporary Concrete Barrier



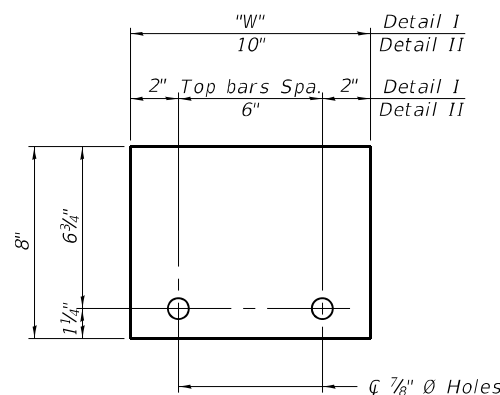
DETAIL II



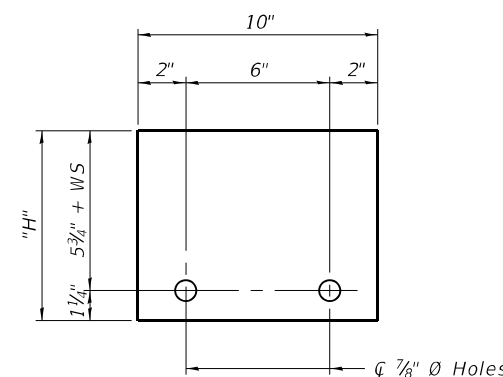
DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III



STEEL RETAINER 1" x 8" x "W"
(Detail I and II)



STEEL RETAINER 1" x "H" x 10"
(Detail III)

Notes:
 Cost of retainer assembly is included with Temporary Concrete Barrier.
 A retainer assembly shall be located at the approximate center of each temporary concrete barrier.
 The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.
 When the 'A' dimension is less than 1 1/2', the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate.
 For deck beam applications the minimum required 'A' distance is 6' to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.
Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.
Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6' apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

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R-27 2-17-2017



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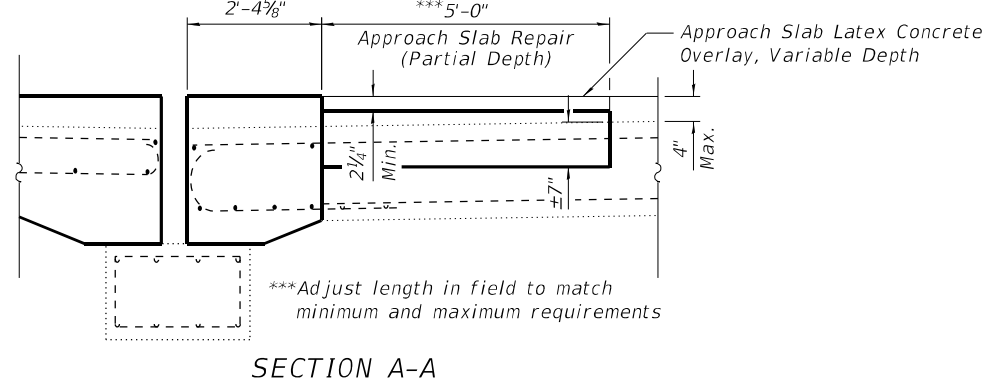
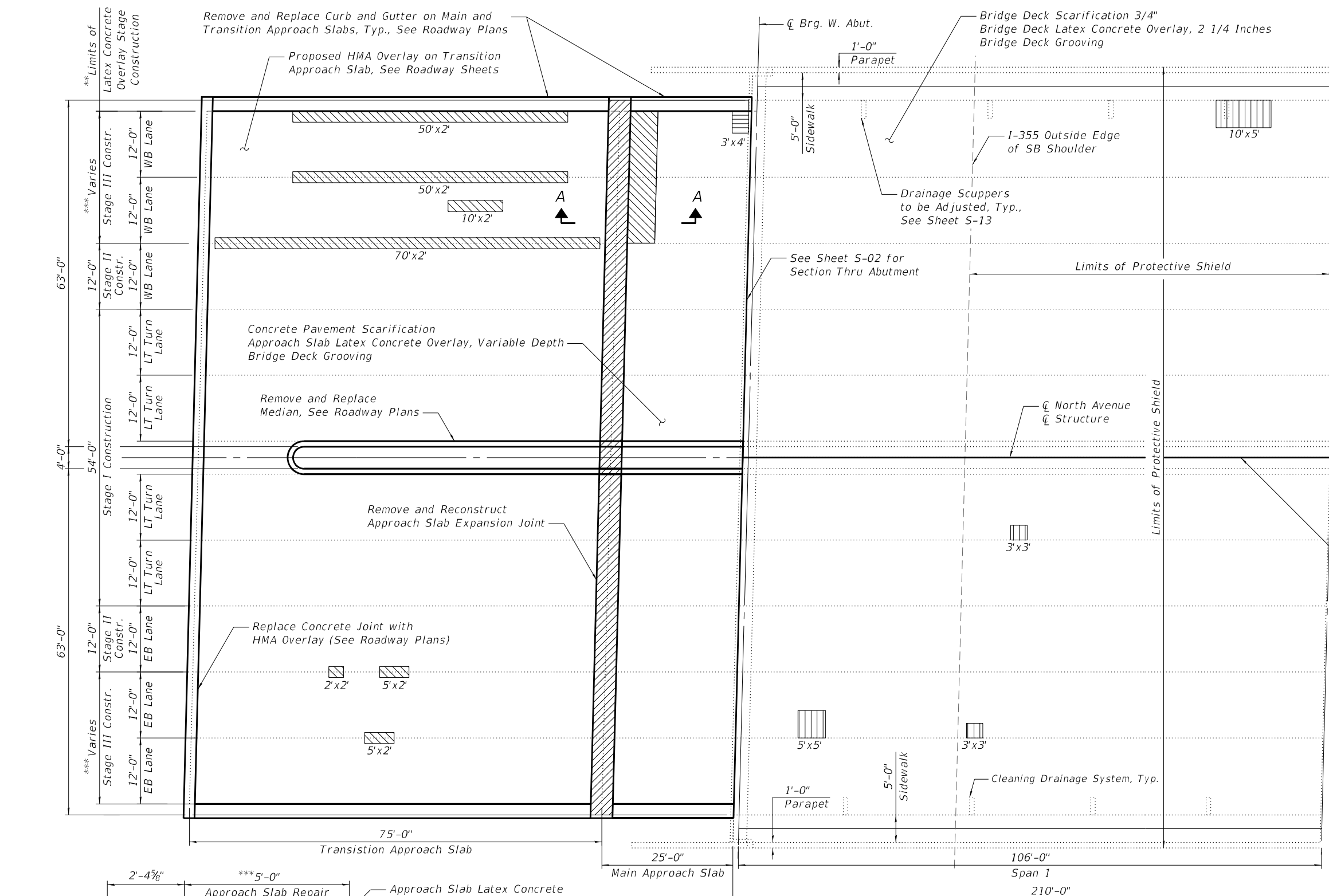
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
 STRUCTURE NO. 022-0221

SHEET 5-07 OF 5-16 SHEETS

F.A.P. RTE. 307	SECTION 2020-180-BR	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 83
CONTRACT NO. 62M35				
ILLINOIS		FED. AID PROJECT NHP-BUJE(494)		

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DECK PLAN

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Protective Shield	Sq Yd	1,957
Bridge Deck Grooving	Sq Yd	3,623
Protective Coat	Sq Yd	3,718
Approach Slab Latex Concrete Overlay, Variable Depth	Sq Yd	605
Approach Slab Repair (Full Depth)	Sq Yd	2
Approach Slab Repair (Partial Depth)	Sq Yd	79
Bridge Deck Latex Concrete Overlay, 2 1/4 Inches	Sq Yd	2,940
Cleaning Drainage System	L Sum	1
Bridge Deck Scarification 3/4"	Sq Yd	2,940
Concrete Pavement Scarification	Sq Yd	605
Deck Slab Repair (Full Depth, Type II)	Sq Yd	4

NOTES:

1. Areas of approach slab and deck repair are estimated. The engineer shall determine actual locations of deck repairs at time of construction.
2. For Approach Slab Expansion Joint Removal and Reconstruction, see Sheets S-10 and S-11.
3. Protective Coat shall be applied to reconstructed transverse joint areas and the latex overlay surface of the main approach slab and deck.
4. Protective Shield shall be placed longitudinally from outside edge of SB I-355 shoulder to outside edge of NB I-355 shoulder and laterally over the out-to-out width of the bridge deck.
5. Date of delamination survey is 12/28/2020.

LEGEND:

- Concrete Removal
- Approach Slab Repair (Partial Depth)
- Approach Slab Repair (Full Depth)
- *Deck Slab Repair (Partial Depth)
- Deck Slab Repair (Full Depth, Type II)

* Areas of Deck Slab Repair (Partial) are provided for information only. Repair is included in the cost of Bridge Deck Latex Concrete Overlay, 2 1/4 Inches.

** Approach and Deck Slab Repairs to be completed in work zones shown on Stage Construction Details, Sheets S-03 thru S-06.

*** 24'-0" on Approach Slab, 26'-0" on Bridge Deck



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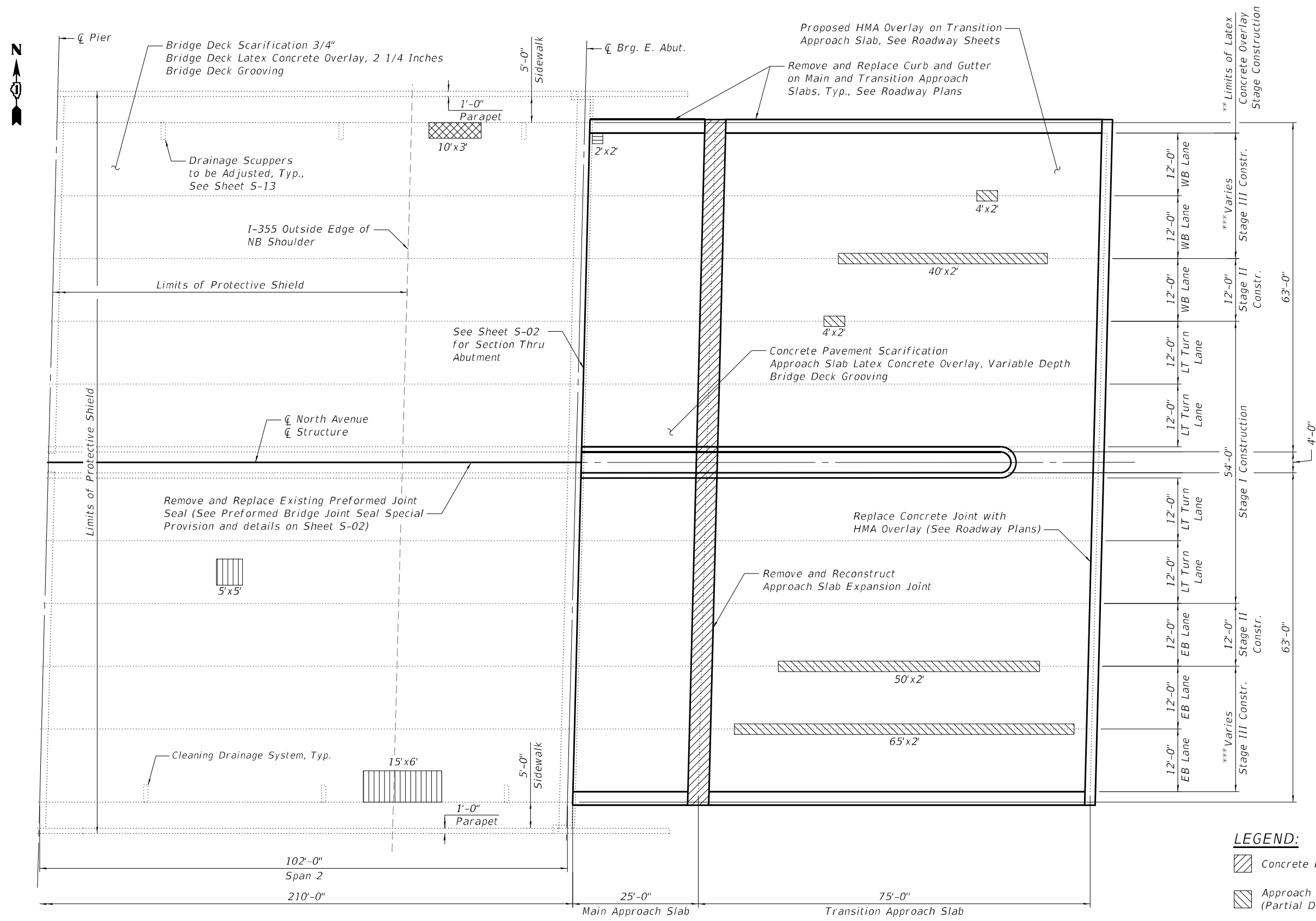
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DECK REPAIR PLAN (1 OF 2)
 STRUCTURE NO. 022-0221**

SHEET 5-08 OF 5-16 SHEETS

F.A.P. RTE. 307	SECTION 2020-180-BR	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 84
CONTRACT NO. 62M35				
ILLINOIS		FED. AID PROJECT NHP-BUJE(494)		

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NOTES:
 1. See Sheet S-08 for notes and Bill of Material.

DECK PLAN

* Areas of Deck Slab Repair (Partial) are provided for information only. Repair is included in the cost of Bridge Deck Latex Concrete Overlay, 2 1/4 Inches".
 ** Approach and Deck Slab Repairs to be completed in work zones shown on Stage Construction Details, Sheets S-03 thru S-06.
 *** 24'-0" on Approach Slab, 26'-0" on Bridge Deck

LEGEND:

	Concrete Removal
	Approach Slab Repair (Partial Depth)
	Approach Slab Repair (Full Depth)
	*Deck Slab Repair (Partial Depth)
	Deck Slab Repair (Full Depth, Type II)



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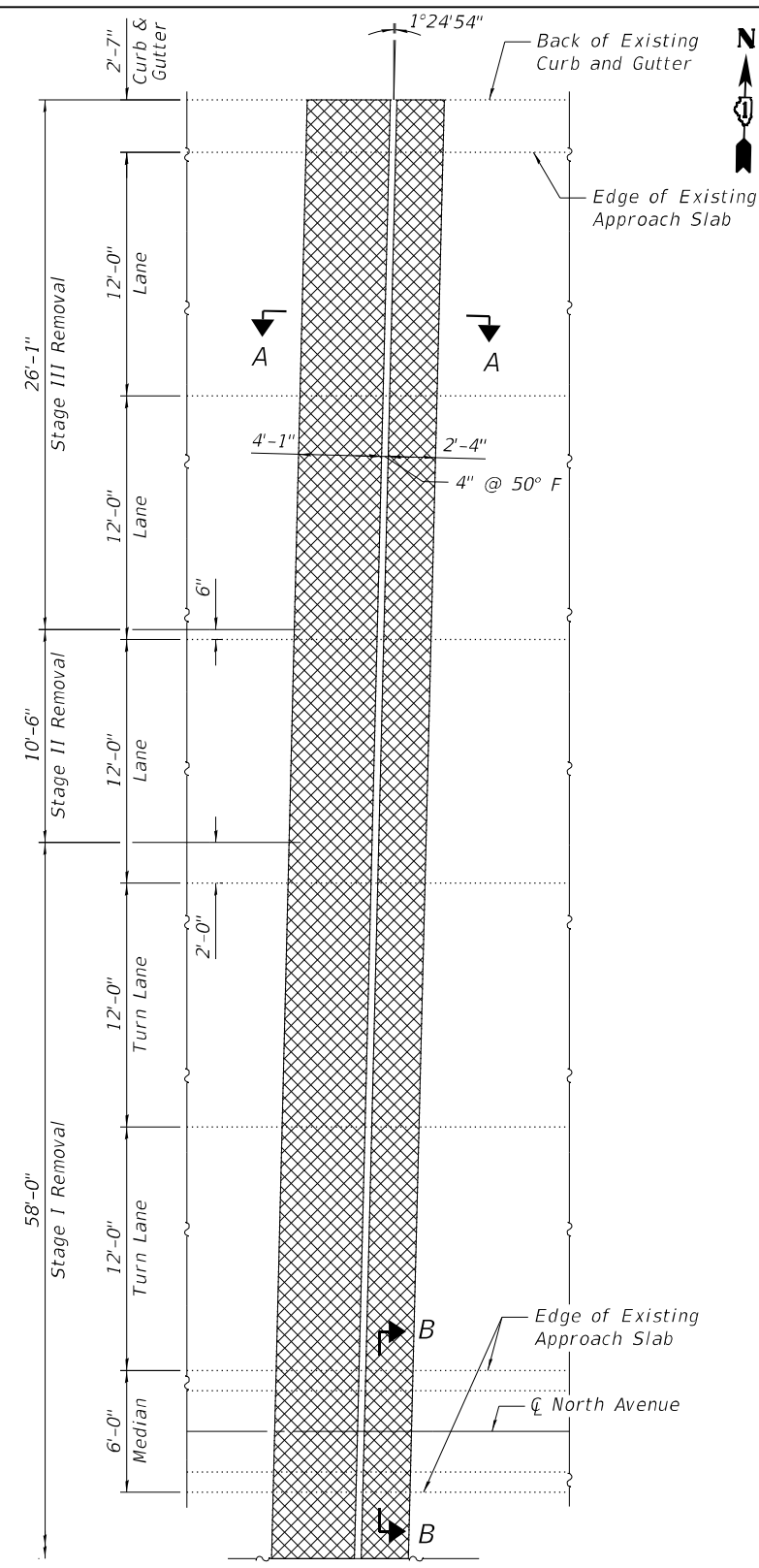
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DECK REPAIR PLAN (2 OF 2)
 STRUCTURE NO. 022-0221**

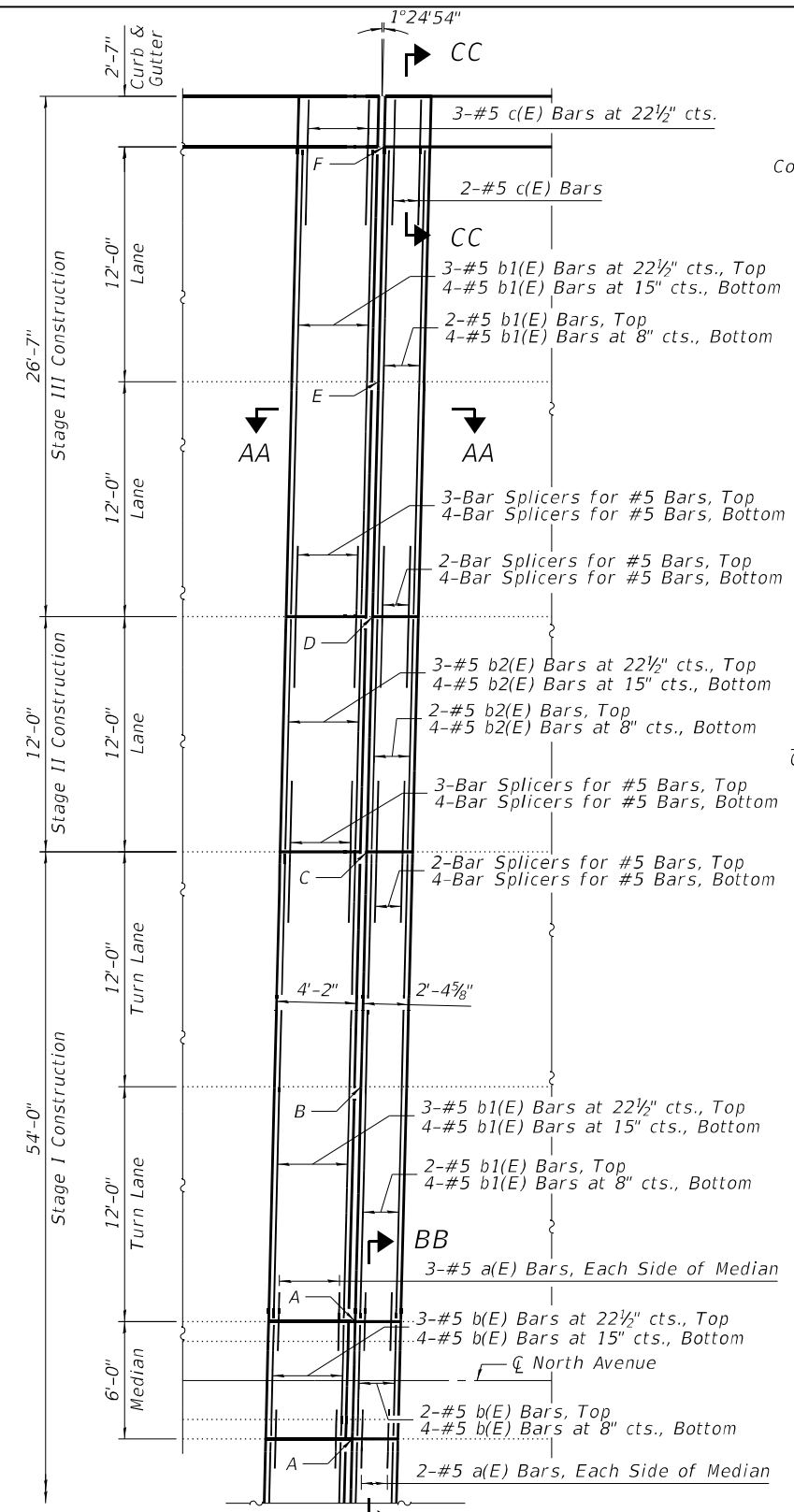
SHEET 5-09 OF 5-16 SHEETS

F.A.P. RTE. 307	SECTION 2020-180-BR	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 85
CONTRACT NO. 62M35				
ILLINOIS		FED. AID PROJECT NHPP-BUJE(494)		

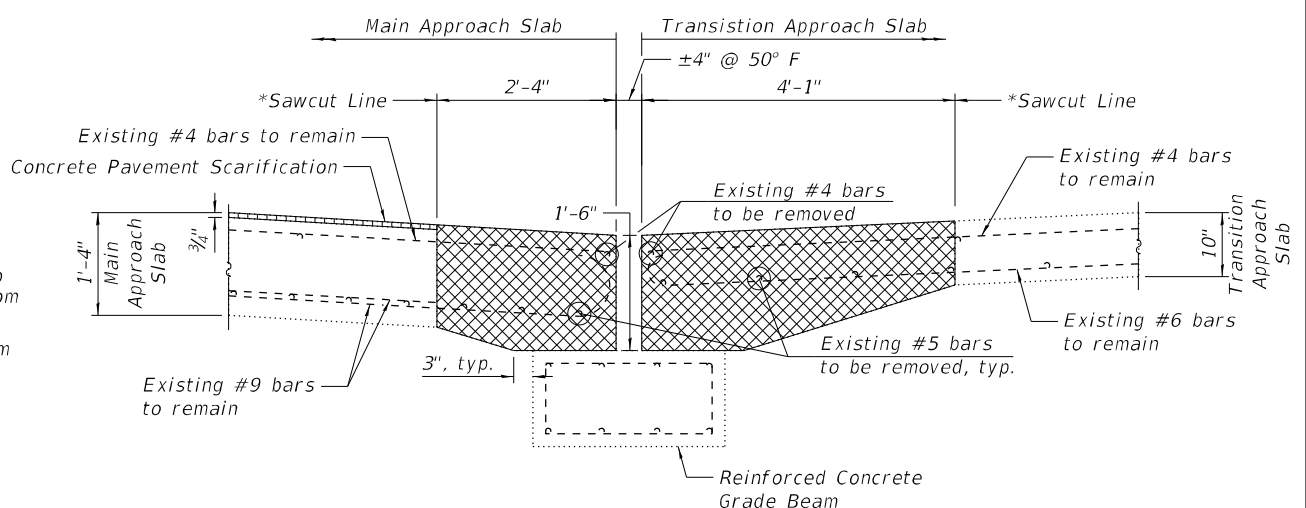
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JOINT REMOVAL PLAN
 (WB West Approach Shown)

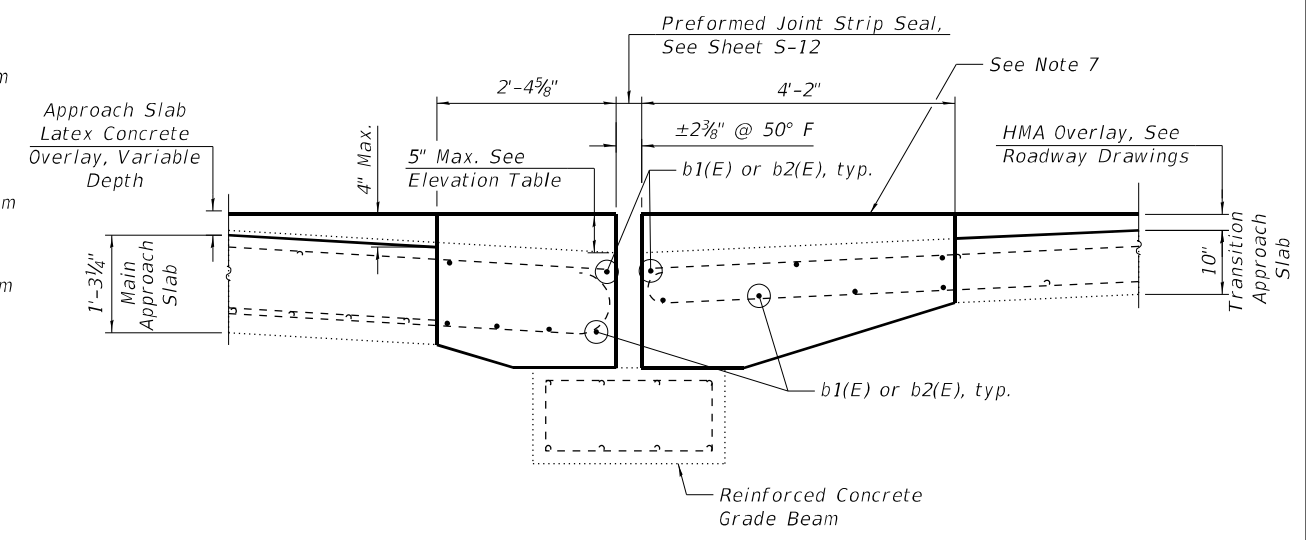


JOINT RECONSTRUCTION PLAN
 (WB West Approach Shown)



SECTION A-A
CONCRETE REMOVAL

* Sawcut included in cost of Concrete Removal



SECTION AA-AA
CONCRETE REPLACEMENT

ELEVATION TABLE

Location	A	B	C	D	E	F
WB West Approach	3"	3 3/8"	3 3/4"	4 1/4"	4 5/8"	5"
EB West Approach	2 1/2"	2 3/4"	2 7/8"	3 1/8"	3 1/4"	3 1/2"
WB East Approach	2 1/2"	2 3/4"	3 1/8"	3 3/8"	3 3/4"	4"
EB East Approach	2 1/2"	2 3/4"	3 1/8"	3 3/8"	3 3/4"	4"

NOTES:

- Dimensions are based on a Rolled Rail Strip Seal Joint. If the Contractor elects to use the Welded Rail Strip Seal Joint, deck dimensions may require adjustments to satisfy the details on Base Sheet EJ-SS-5.
- Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system and any damage to existing epoxy coating shall be repaired as directed by the Engineer. Cost included in Concrete Removal.
- See Sheet S-11 for B0M and Sections B-B, BB-BB and CC-CC.

- For Preformed Joint Strip Seal details see Sheets S-12 thru S-14.
- For Bar Splicer Assembly details, see Sheet S-15.
- WB West Approach Slab is shown. EB West Approach is a mirror and East Approach Slab is similar.
- The new joint surface on the transition approach shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructures.

LEGEND:

- Concrete Removal
- Concrete Pavement Scarification
- Existing Reinforcement
- Reinforcement Bars, Epoxy Coated



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

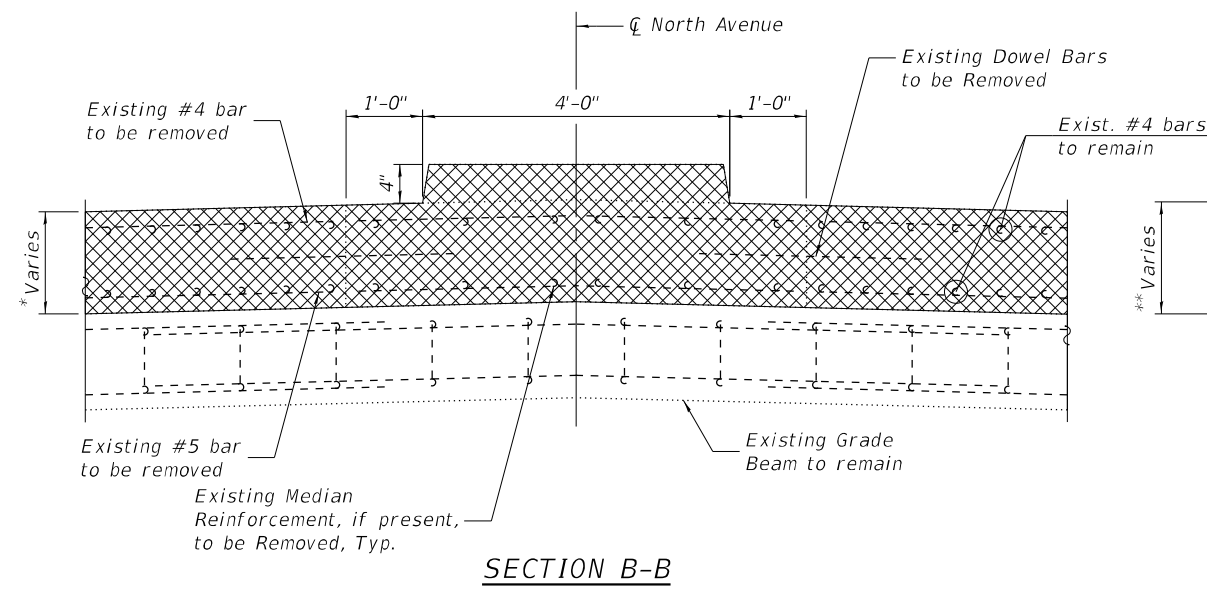
APPROACH SLAB STRIP SEAL DETAILS (1 OF 2)
STRUCTURE NO. 022-0221

SHEET 5-10 OF 5-16 SHEETS

F.A.P. RTE. 307	SECTION 2020-180-BR	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 86
CONTRACT NO. 62M35				
ILLINOIS		FED. AID PROJECT NHPB-BUJE(494)		

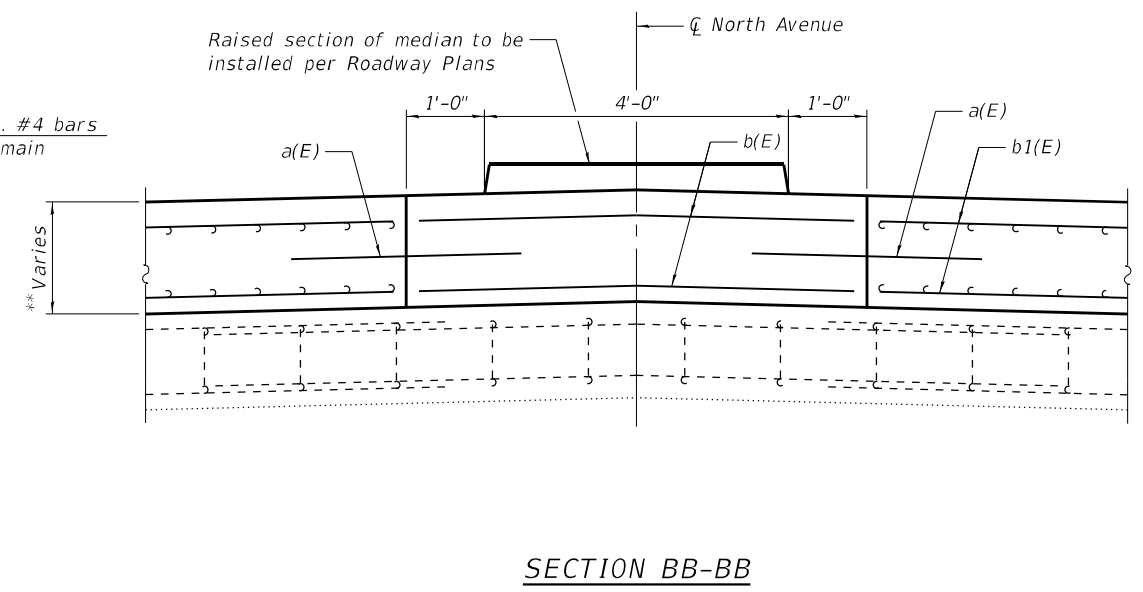
BILL OF MATERIAL
4 APPROACH SLABS

Bar	No.	Size	Length	Shape
a(E)	20	#6	3'-0"	—
b(E)	26	#5	5'-8"	—
b1(E)	104	#5	23'-8"	—
b2(E)	52	#5	11'-9"	—
c(E)	20	#5	6'-0"	—
Concrete Removal			Cu Yd	83.7
Concrete Superstructure (Approach Slab)			Cu Yd	103.5
Reinforcement Bars, Epoxy Coated			Pound	3,580



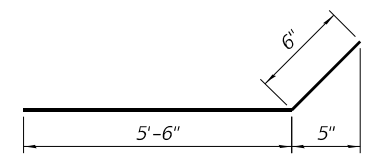
SECTION B-B

* Main Approach Slab varies ±1'-4" to ±1'-6"
Transition Approach Slab varies ±10" to ±1'-6"

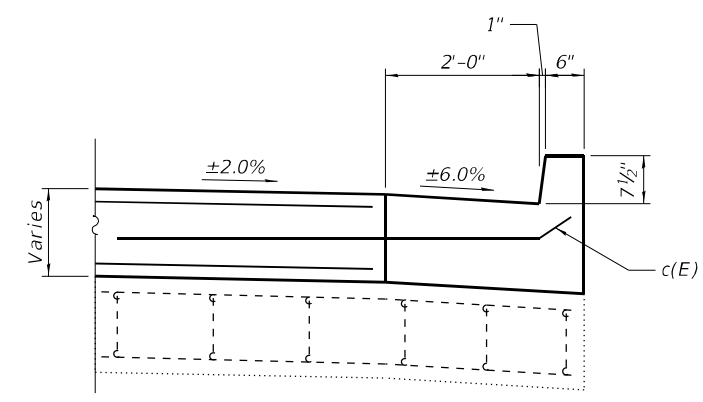


SECTION BB-BB

** Main Approach Slab varies ±1'-6½" to ±1'-11"
Transition Approach Slab varies ±1'-0½" to ±1'-11"



BAR c(E)



SECTION CC-CC

NOTES:

- b(E) bars to be bent in field to match crown of roadway.

LEGEND:

- Concrete Removal
- Existing Reinforcement
- Reinforcement Bars, Epoxy Coated

USER: jstapleton MODEL: Default FILE NAME: P:\02_209_004_DOT_PTB_190_14_Phase II Var-Vari\Design\WO 20 62M35\CADD\CADD_Sheets\162M35-shi-bridge-11.dgn



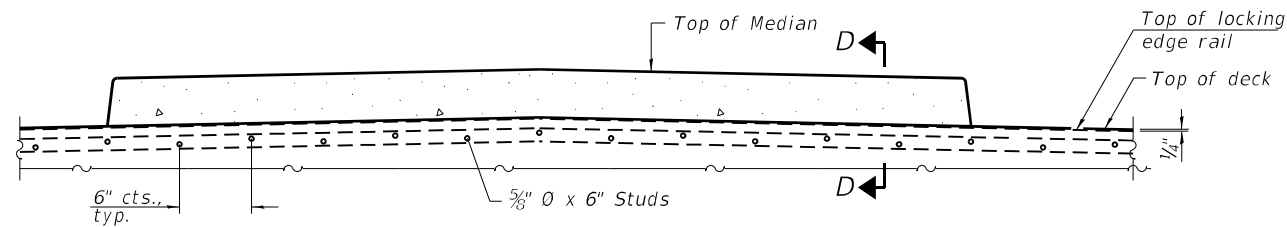
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROACH SLAB STRIP SEAL DETAILS (2 OF 2)
STRUCTURE NO. 022-0221

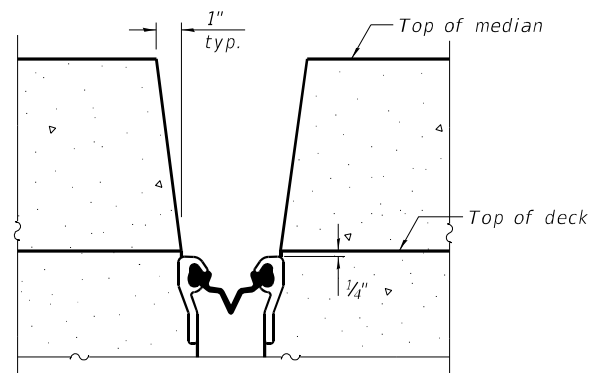
SHEET 5-11 OF 5-16 SHEETS

F.A.P. RTE. 307	SECTION 2020-180-BR	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 87
CONTRACT NO. 62M35				
ILLINOIS		FED. AID PROJECT		NHPP-BUJE(494)



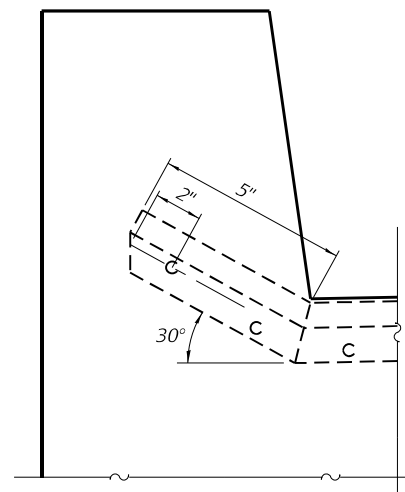
SECTION AT MEDIAN

For skews > 30°, chamfer acute corners 2" similar to sidewalk.

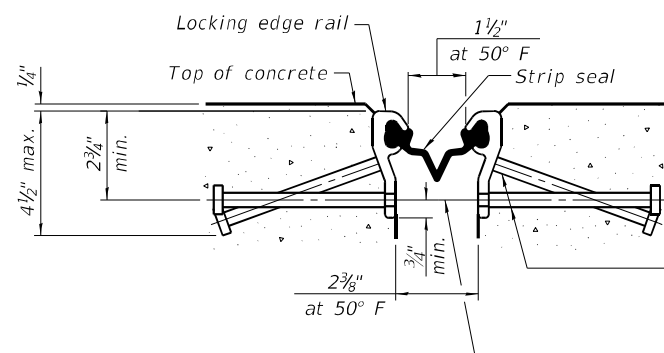


SECTION D-D

(at Rt. L's)

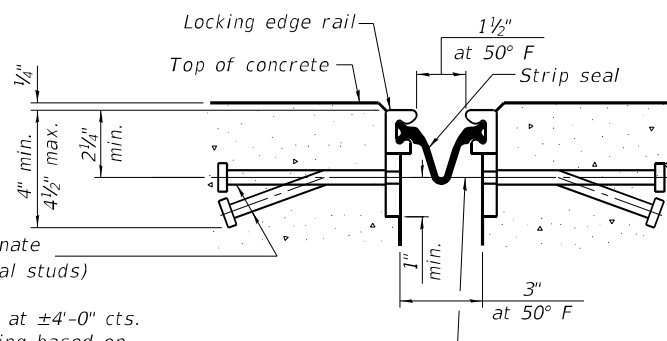


SECTION AT CURBS



SHOWING ROLLED RAIL JOINT

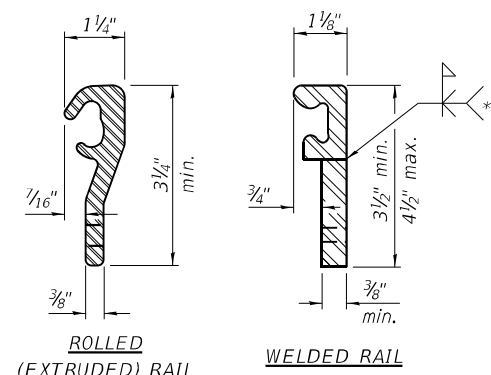
* 5/8" ϕ x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)
 3/8" ϕ threaded rods in 7/16" ϕ holes at $\pm 4'-0"$ cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.



SHOWING WELDED RAIL JOINT

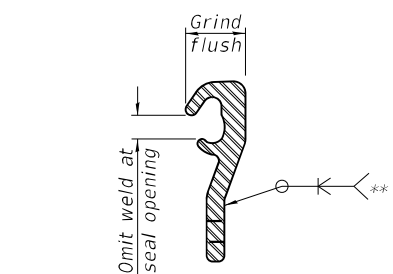
SECTION A-A

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



LOCKING EDGE RAILS

** Back gouge not required if complete joint penetration is verified by mock-up.



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	264

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4 1/2" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.

The manufacturer's recommended installation methods shall be followed.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

The Maximum space between locking edge rail segments shall be 3/16" and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.

Cost of embedded plates, anchorage studs, and expansion anchors included with Preformed Joint Strip Seal.

The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.

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 CHECKED - RRD
 DRAWN - SVJ
 DATE - 09/21/2021

REVISED -
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 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
 STRUCTURE NO. 022-0221

SHEET 5-12 OF 5-16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	88
CONTRACT NO. 62M35				
ILLINOIS		FED. AID PROJECT	NHPP-BUJE(494)	

GENERAL NOTES

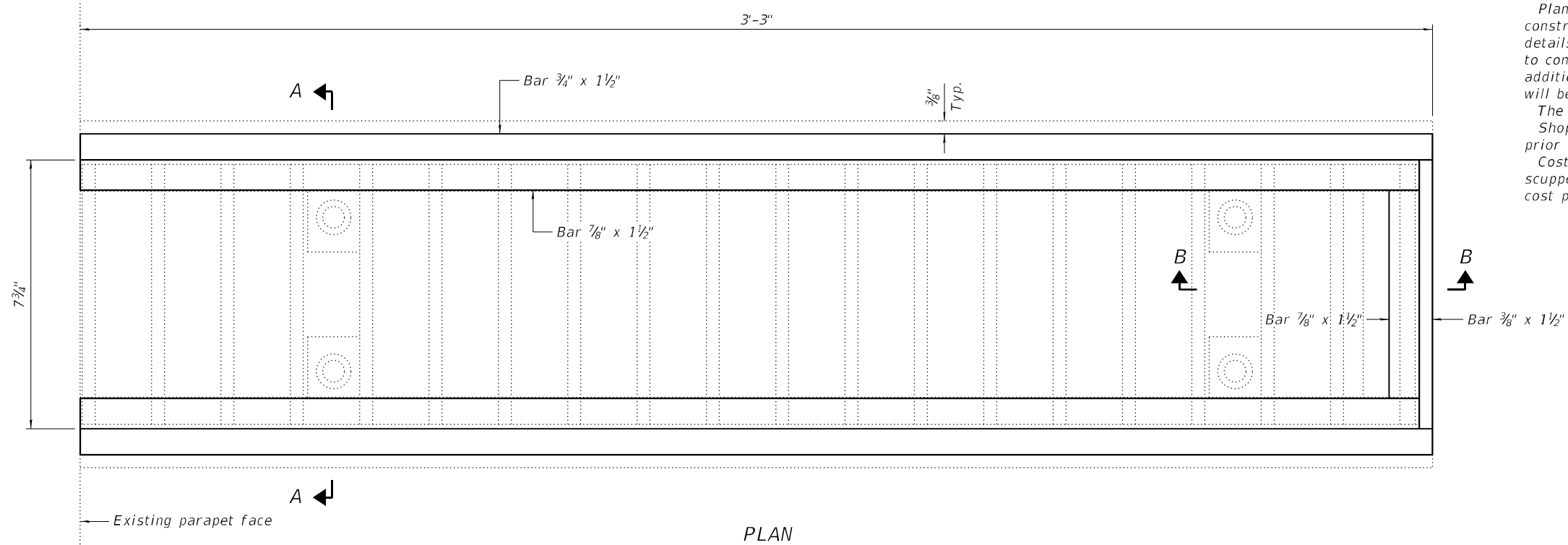
All structural steel shall conform to AASHTO Classification M-270 Gr. 36. The adjusting scupper ring shall be galvanized.

Bolts shall be 1/2" Ø, AASHTO M164 Type I, mechanically galvanized.

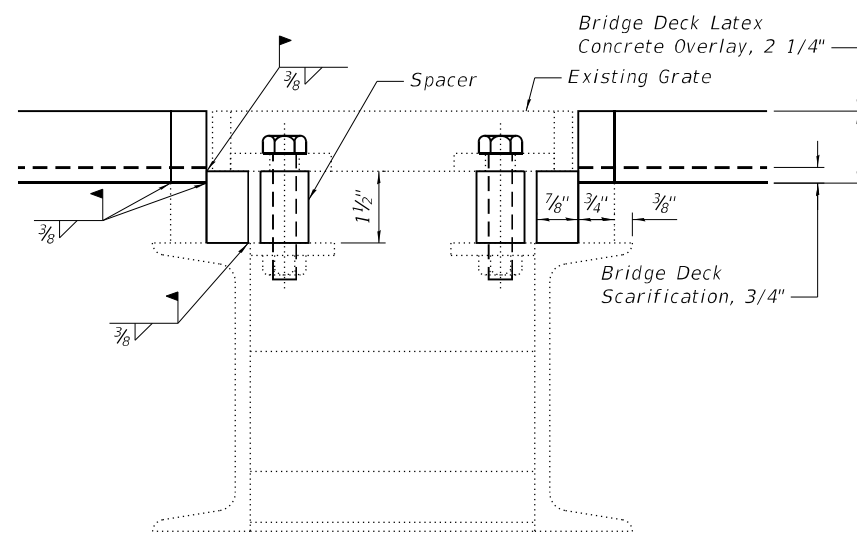
Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

The contractor shall ensure that no damage is done to existing grates to be reused. Shop plans for proposed adjusting scupper ring shall be submitted for approval prior to fabrication.

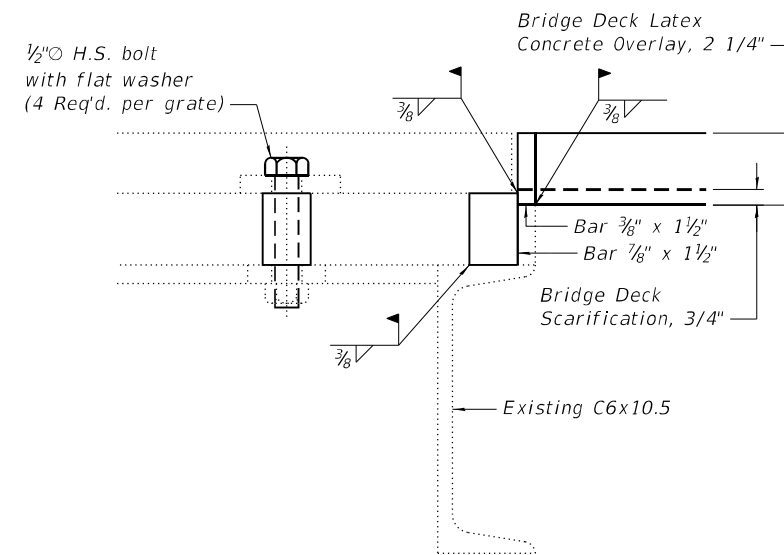
Cost of all labor and materials necessary to remove existing grates, clean existing scuppers, install adjusting scupper rings and reinstalling grates is included in the cost per unit each for Drainage Scupper to be Adjusted.



PLAN



SECTION A-A



SECTION B-B

BILL OF MATERIAL

Item	Unit	Total
Drainage Scupper to be Adjusted	Each	14

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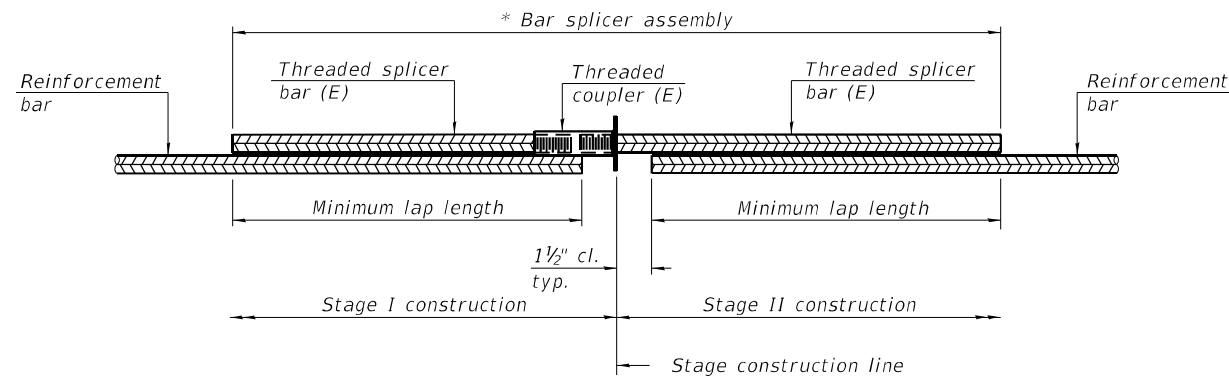
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SCUPPER ADJUSTMENT
 STRUCTURE NO. 022-0221**

SHEET 5-13 OF 5-16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	89
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				

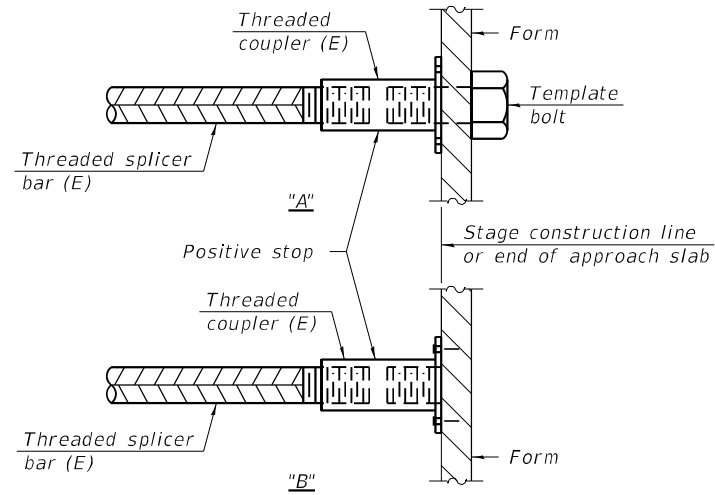


STANDARD BAR SPLICER ASSEMBLY PLAN
 (All components shall be provided from one supplier)

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

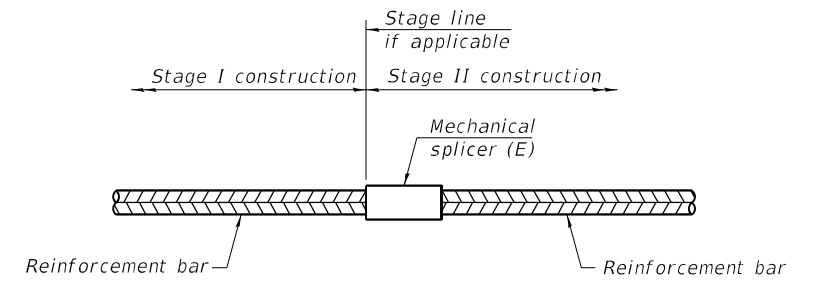
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
WB West Approach	#5	26	3'-4"
EB West Approach	#5	26	3'-4"
WB East Approach	#5	26	3'-4"
EB East Approach	#5	26	3'-4"



INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

Notes:
 Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

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 MODEL: Default
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BSD-1

1-1-2020



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 STRUCTURE NO. 022-0221

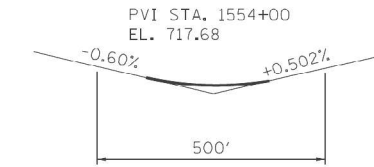
SHEET 5-15 OF 5-16 SHEETS

F.A.P. RTE. 307	SECTION 2020-180-BR	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 91
CONTRACT NO. 62M35				
ILLINOIS	FED. AID PROJECT	NHPP-BUJE(494)		

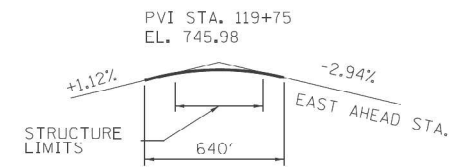
EXISTING STRUCTURE: WESTBOUND BRIDGE 1405 AND EASTBOUND BRIDGE 1406 (IDOT STRUCTURE NO. 022-0221) WERE CONSTRUCTED IN 1989 UNDER CONTRACT CIP-619. EXISTING STRUCTURE IS A TWO SPAN BRIDGE MEASURING 208'-0" CENTER-TO-CENTER BEARINGS AT ABUTMENTS. THE BRIDGE HAS A WIDTH OF 130'-0" OUT-TO-OUT. THE SUPERSTRUCTURE CONSISTS OF 63" PRECAST, PRESTRESSED, GIRDERS WITH A COMPOSITE DECK AND PRECAST, POST-TENSIONED CONCRETE BEAMS. THE SUBSTRUCTURE CONSISTS OF TWO REINFORCED CONCRETE ABUTMENTS ON STEEL H-PILES AND ONE REINFORCED CONCRETE PIER ON STEEL H-PILES. THE BRIDGE HAS SKEWED SUPPORTS.

TRAFFIC ON I-355 WILL BE MAINTAINED USING STAGE CONSTRUCTION, TRAFFIC ON NORTH AVENUE WILL BE MAINTAINED USING STAGE CONSTRUCTION.

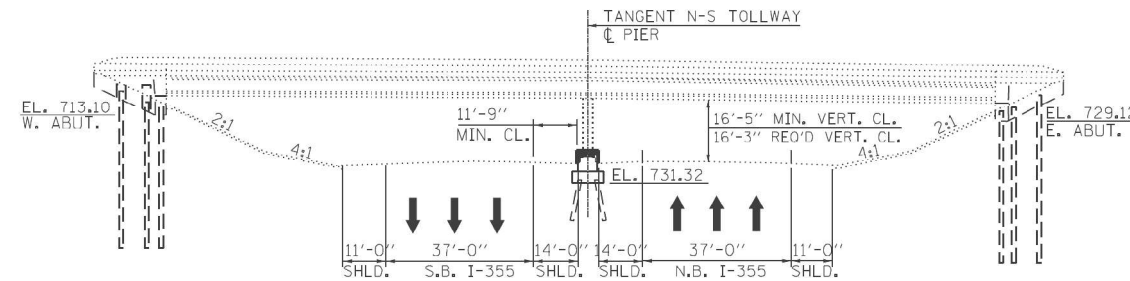
NO SALVAGE.



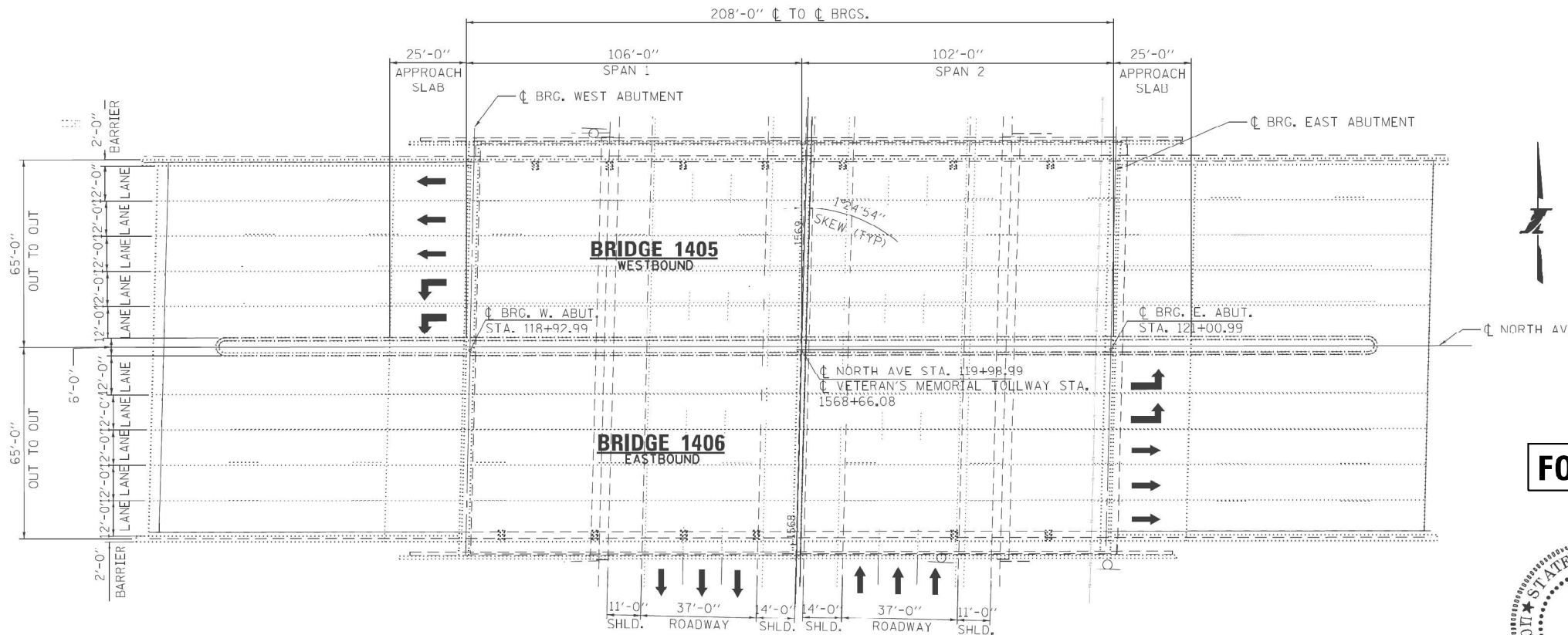
TOLLWAY PROFILE GRADE



NORTH AVENUE PROFILE GRADE



ELEVATION



PLAN

LEGEND - EXISTING UTILITIES

— EXISTING UNDERGROUND FIBER OPTIC

SCOPE OF WORK

- PERFORM PARTIAL DEPTH DECK REPAIRS AND SEAL DECK WITH BRIDGE DECK CONCRETE SEALER.
- APPLY BRIDGE DECK CONCRETE SEALER TO THE SIDEWALKS, MEDIANS AND THE INTERIOR AND TOP FACES OF THE PARAPETS.
- CLEAN BRIDGE SCUPPERS.
- CLEAN AND EXPOXY REPAIR CRACKS AND REPAIR SPALLS IN CONCRETE IN THE SUBSTRUCTURE UNITS.
- APPLY CONCRETE SEALANT TO SUBSTRUCTURE FACES ADJACENT TO TRAFFIC (PIER 1, BOTH FACES).
- SEAL THE CRACKS IN THE SLOPEWALLS.
- MODIFY THE PIER CRASHWALL AS SHOWN IN THE PLANS.

HIGHWAY CLASSIFICATION

ROUTE CARRIED: NORTH AVENUE
 FUNCTIONAL CLASS: OTHER PRINCIPAL ARTERIAL
 ADT: 48,700 (2016)
 ADTT: 4,838 (2016)

ROUTE UNDER: VETERANS MEMORIAL TOLLWAY (I-355)
 FUNCTIONAL CLASS: INTERSTATE
 ADT: 63,710 (NB I-355 2015)/68,170 (NB I-355 2040)
 64,580 (SB I-355 2015)/69,101 (SB I-355 2040)
 ADTT: 4,460 (NB I-355 2015)/4,473 (NB I-355 2040)
 4,521 (SB I-355 2015)/4,838 (SB I-355 2040)

DESIGN SPECIFICATIONS

ILLINOIS STATE TOLL HIGHWAY AUTHORITY STRUCTURE DESIGN MANUAL, MARCH, 2017.
 ILLINOIS DEPARTMENT OF TRANSPORTATION BRIDGE MANUAL JANUARY, 2012.
 AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 2002 17TH EDITION WITH ALL INTERIMS.
 ILLINOIS TOLLWAY GEOTECHNICAL ENGINEER'S MANUAL, MARCH, 2017.
 ILLINOIS DEPARTMENT OF TRANSPORTATION STRUCTURAL SERVICES MANUAL, 2017.

DESIGN STRESSES

FIELD UNITS-NEW CONSTRUCTION
 CONCRETE:
 f'c = 4,000 PSI HIGH EARLY STRENGTH (DECK, APPROACH SLAB, PARAPET REPAIRS)
 f'c = 3,500 PSI CLASS SI (SUBSTRUCTURE REPAIRS)

REINFORCEMENT:
 fy = 60,000 PSI

FIELD UNITS-EXISTING CONSTRUCTION
 CONCRETE:
 f'c = 4,000

REINFORCEMENT:
 fy = 60,000 PSI
 fs = 24,000 PSI

STRUCTURAL STEEL:
 fy = 50 KSI (AASHTO M223)

CONSTRUCTION SPECIFICATIONS

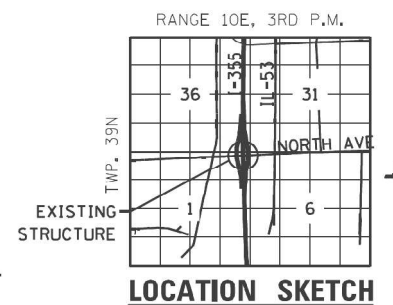
ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATIONS TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED MAY 1, 2017.
 ILLINOIS DEPARTMENT OF TRANSPORTATION SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JANUARY 1, 2017.
 ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED APRIL 1, 2016.
 ILLINOIS DEPARTMENT OF TRANSPORTATION GUIDE BRIDGE SPECIAL PROVISIONS (GBSP).

FOR INFORMATION ONLY

PANKAJ KUMAR
 081-07577

Pankaj Kumar

INFRASTRUCTURE ENGINEERING, INC.
 PANKAJ KUMAR
 NO. 08-007577
 EXP.: 1/30/2018
 APPLIES TO DRAWINGS:
 SN-01 TO SN-16



ORIGINAL LIVE LOAD DEFLECTION

MAXIMUM DEFLECTION DUE TO LIVE LOAD PLUS IMPACT SHALL NOT EXCEED THE FOLLOWING: SPAN LENGTH/1,200.

DESIGN CRITERIA

LIVE LOAD FOR HIGHWAY BRIDGES - HS20-44
 SURFACING OR FUTURE SURFACING 25 PSF

STRENGTH METHODS (LOAD FACTOR DESIGN) SHALL BE USED IN CONCRETE STRUCTURES EXCEPT RETAINING WALLS AND ABUTMENT WINGWALLS, WHERE SERVICE LOAD DESIGN METHODS WILL BE USED.

DRAWN BY RRD DATE 1/30/18
 CHECKED BY PK DATE 1/31/18

INFRASTRUCTURE ENGINEERING INCORPORATED
 33 W. Monroe Street | Suite 1640 | Chicago, IL 60603
 312.467.4000 | 312.467.4001 | www.infraeng.com

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE,
 ILLINOIS 60515

REVISIONS	
NO.	DESCRIPTION

CONTRACT NO. RR-16-4256

SN-01

GENERAL PLAN AND ELEVATION
 BRIDGE NO. 1405 AND 1406
 NORTH AVENUE OVER I-355

DRAWING NO.
 843 OF 1037



PEN TABLE = pdnLAYERSBw.plt
 PLOT DRIVER = D162M35-PLOT.plt
 PLOT SCALE =
 PLOT DATE = 9/21/2021 3:12:16 PM

DESIGNED - JES
 CHECKED - RRD
 DRAWN - SVJ
 DATE - 09/21/2021

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EXISTING GENERAL PLAN AND ELEVATION
 STRUCTURE NO. 022-0221**

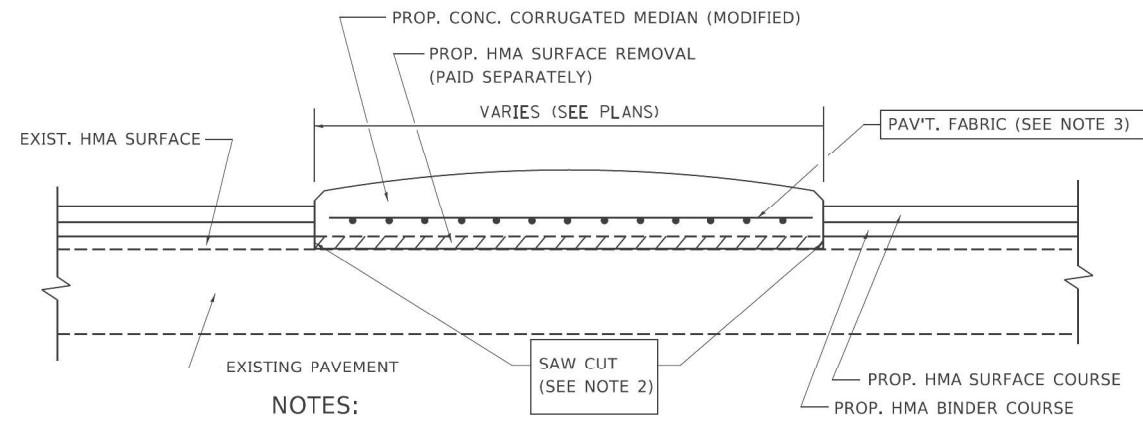
SHEET 5-16 OF 5-16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	92

CONTRACT NO. 62M35

ILLINOIS FED. AID PROJECT NHP-01-0494

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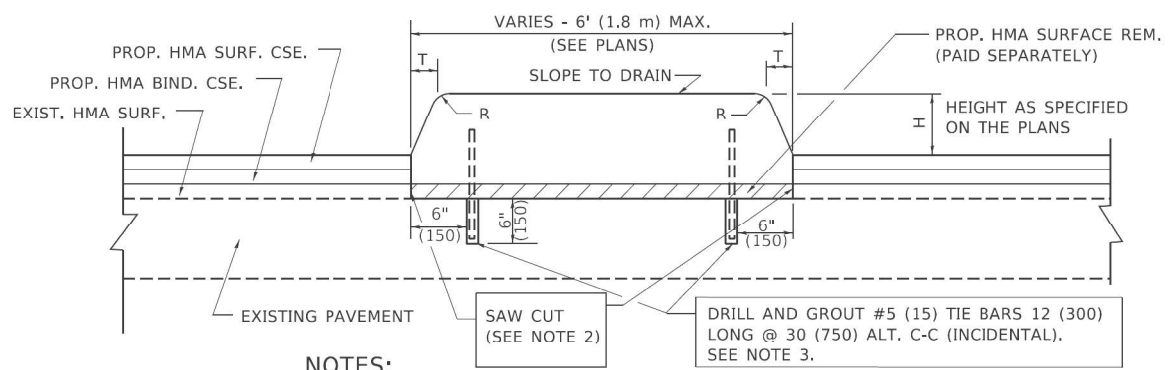


NOTES:

1. CORRUGATED MEDIAN (MODIFIED) SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 606 OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE PORTIONS OF STATE STANDARD 606306.
2. WITH THE APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY DELETE THE SAW CUT IF A NEAT JOINT CAN BE OBTAINED BY MILLING THE HMA SURFACE TO BE REMOVED. SAW CUT WILL BE INCLUDED IN THE COST OF CORRUGATED MEDIAN (MODIFIED)
3. PAVEMENT FABRIC WILL BE INCLUDED IN THE COST OF CORRUGATED MEDIAN (MODIFIED)

DETAILS FOR CORRUGATED MEDIAN (MODIFIED)

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT (SQUARE METER) FOR "CORRUGATED MEDIAN (MODIFIED)"



NOTES:

1. CONCRETE MEDIAN TYPE SB (DOWELLED) SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF STATE STANDARD 606301 AND SECTION 606 OF THE STANDARD SPECIFICATIONS.
2. WITH THE APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY DELETE THE SAW CUT IF A NEAT JOINT CAN BE OBTAINED BY MILLING THE HMA SURFACE TO BE REMOVED. SAW CUT WILL BE INCLUDED IN THE COST OF "CONCRETE MEDIAN TYPE SB (DOWELLED)"
3. FOR MEDIAN WIDTH LESS THAN 4' (1.2 m) USE ONE ROW OF #5 (15) BARS @ 30 (750) C-C ALONG THE MEDIAN CENTERLINE. TIE BARS WILL BE INCLUDED IN THE COST OF "CONCRETE MEDIAN TYPE SB (DOWELLED)"

H	R	T
6(150)	1(25)	1(25)
9(225)	1(25)	2(50)

DETAILS FOR CONCRETE MEDIAN TYPE SB (DOWELLED)

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT (SQUARE METER) FOR "CONCRETE MEDIAN TYPE SB (DOWELLED)"

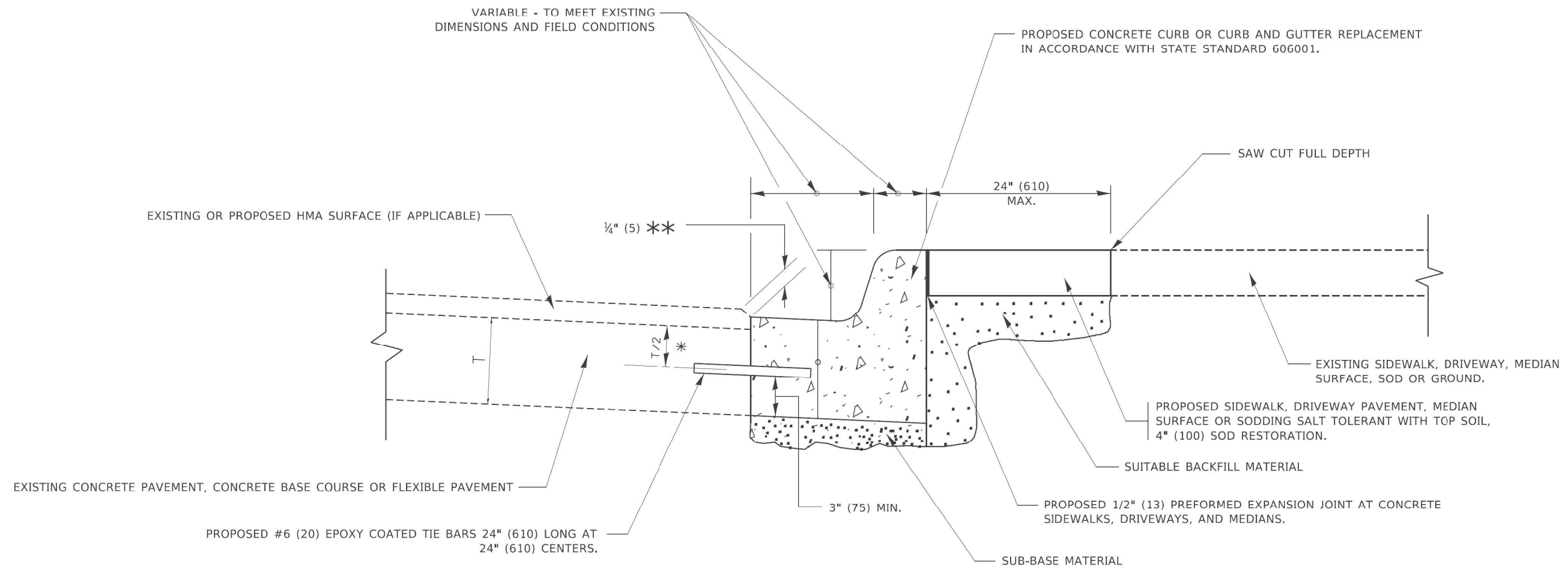
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PLOT DATE = 3/27/2019 4:50:10 PM	DATE - 05-14-80	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS FOR CONCRETE MEDIAN TYPE SB (DOWELLED) CORRUGATED MEDIAN (MODIFIED)			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	93
BD600-02 (BD-5)		CONTRACT NO. 62M35		
ILLINOIS FED. AID PROJECT NHPB-BUJE(494)				



- * 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.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

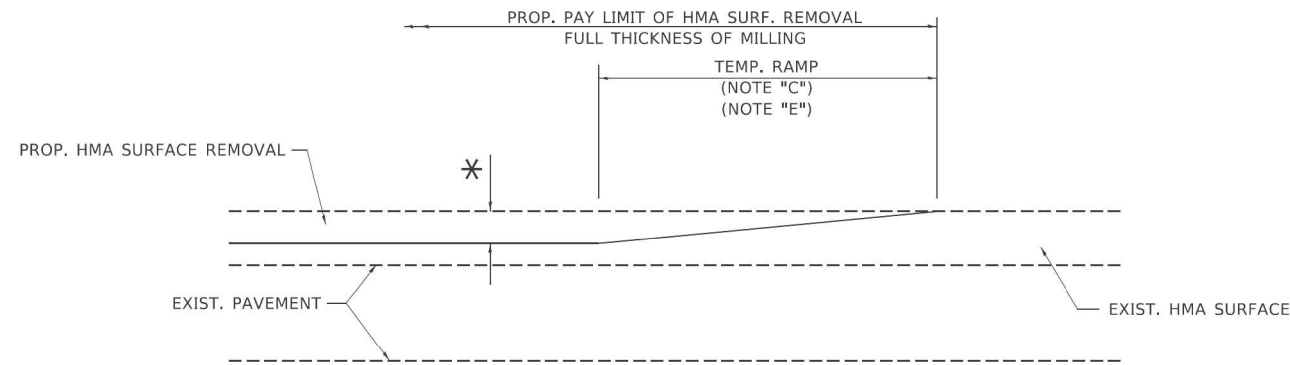
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

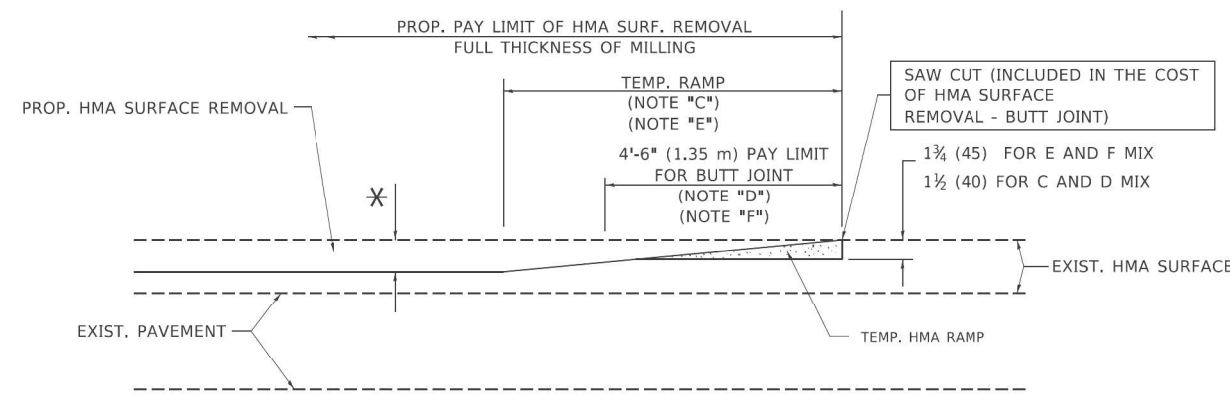
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	
SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	94
BD600-06 (BD-24)		CONTRACT NO. 62M35		
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

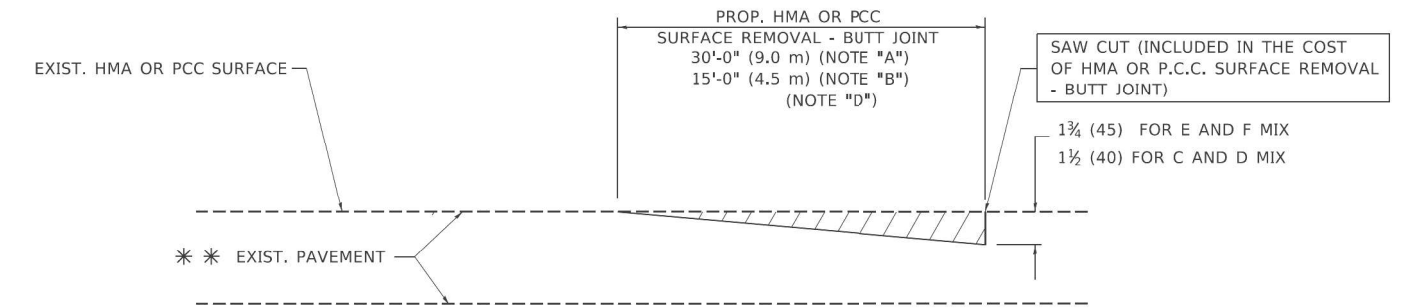
OPTION 1



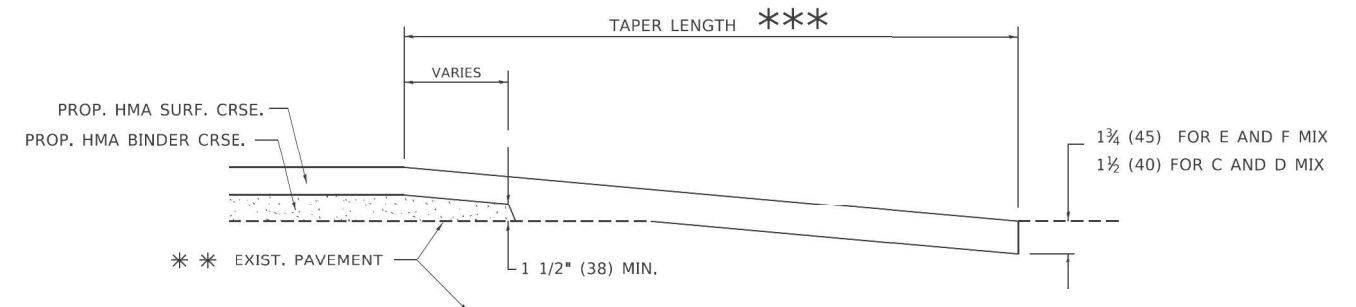
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

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.

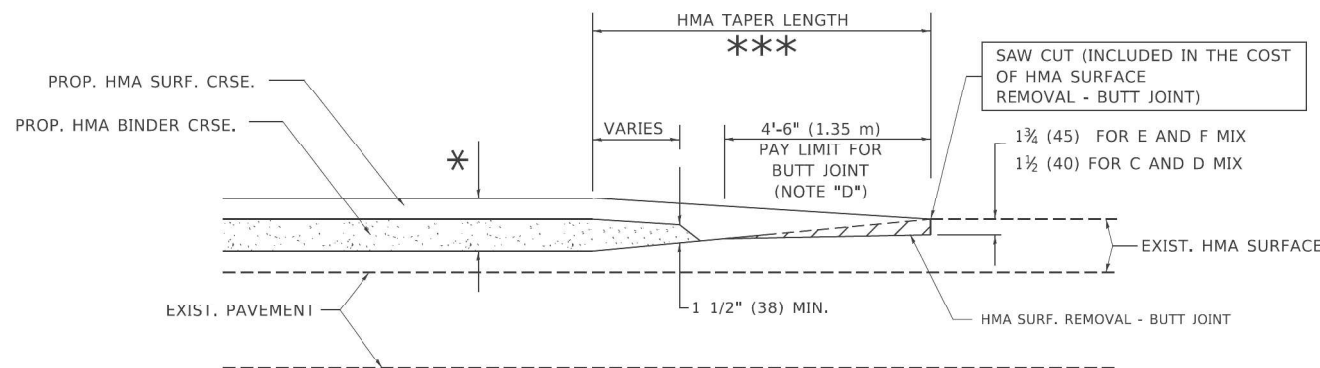
NOTES

- 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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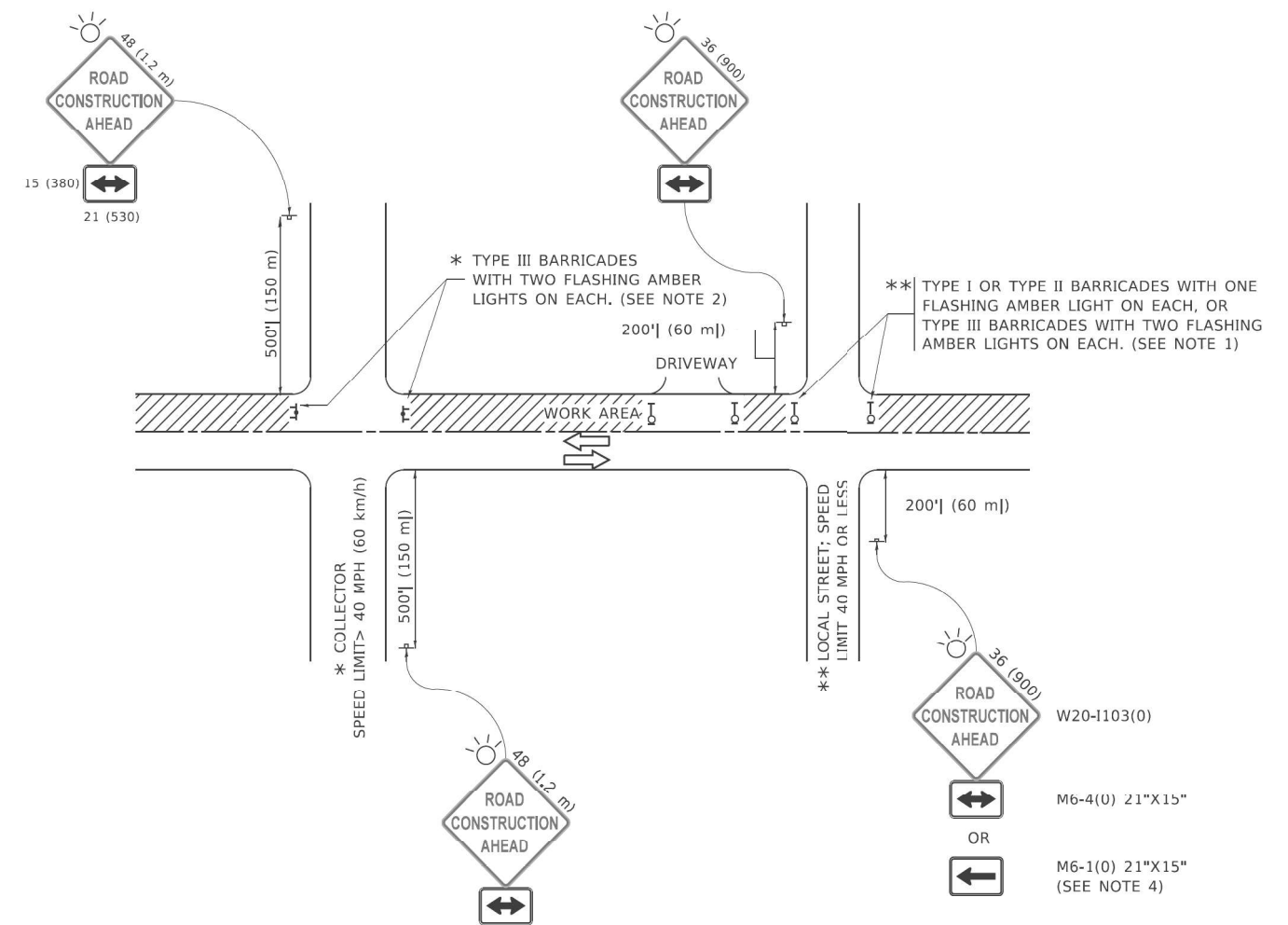
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	95
BD400-05 BD32		CONTRACT NO. 62M35		
ILLINOIS FED. AID PROJECT NHP-01/04(494)				



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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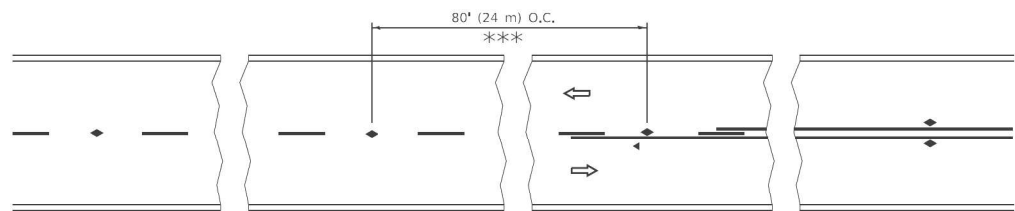
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

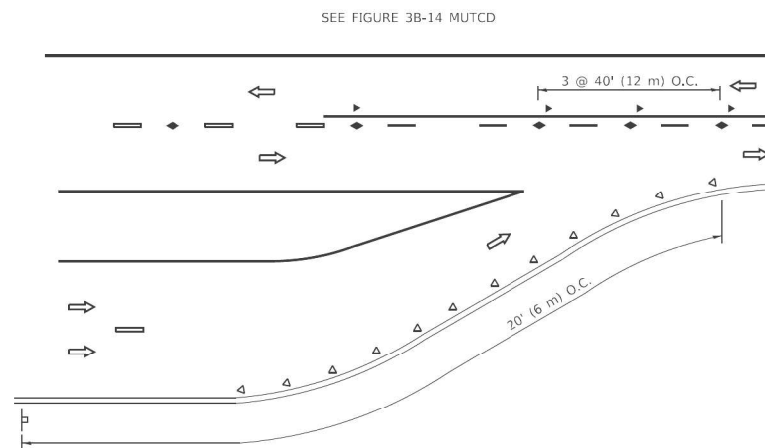
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TC-10			CONTRACT NO. 62M35	
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				

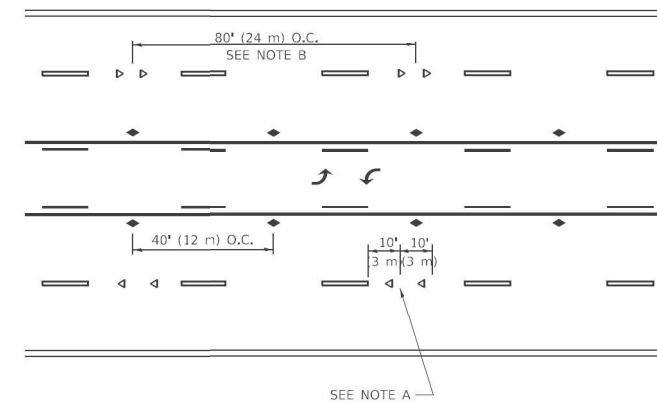


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

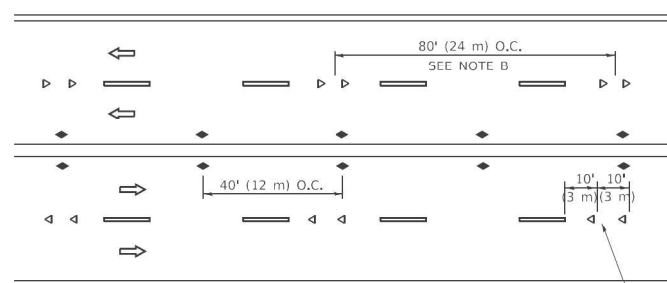
TWO-LANE/TWO-WAY



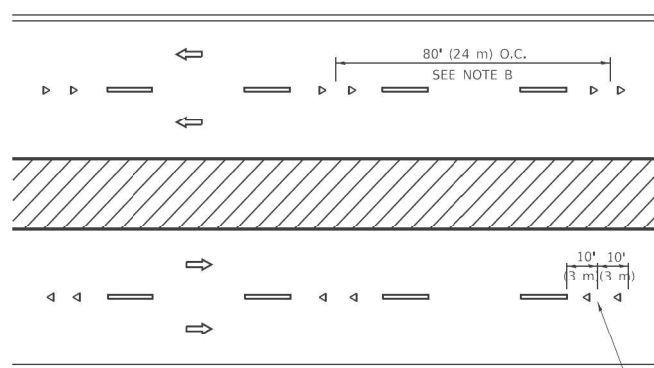
LANE REDUCTION TRANSITION



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

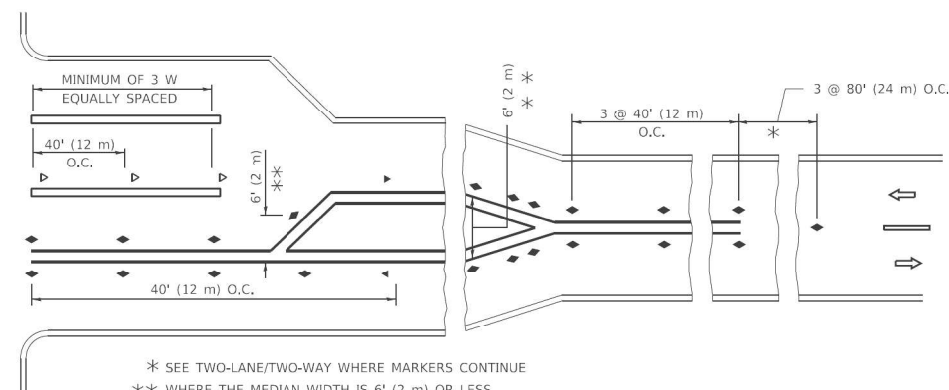
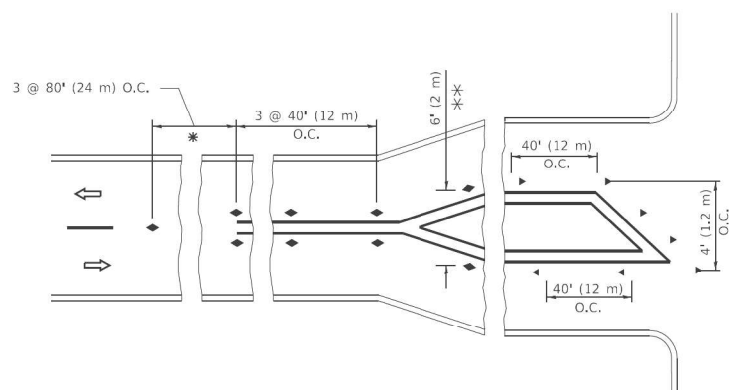
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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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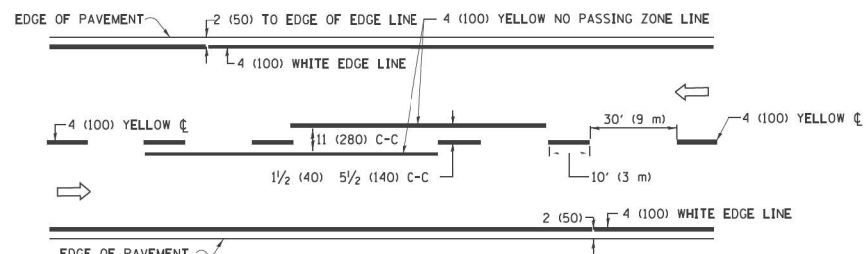
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

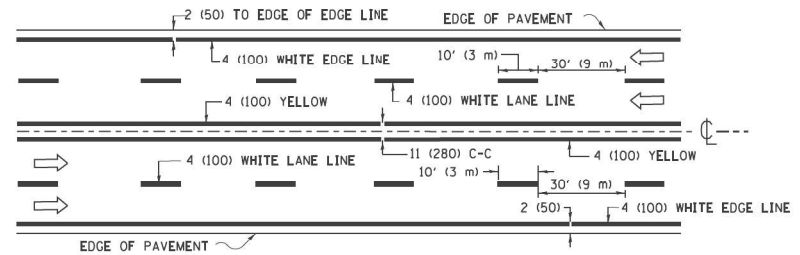
TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

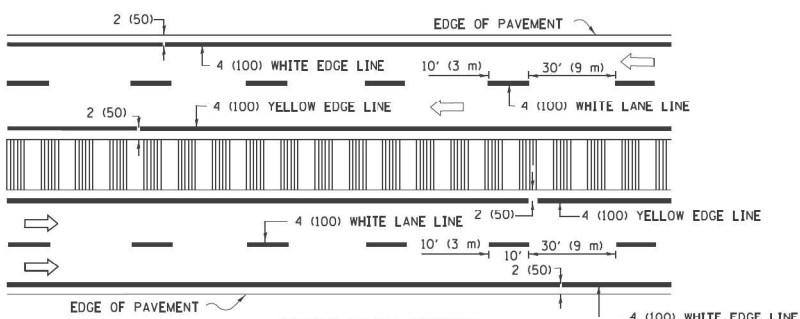
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307	2020-180-BR	DUPAGE	110	97
TC-11			CONTRACT NO. 62M35	
ILLINOIS FED. AID PROJECT			NHPP-BUJE(494)	



2-LANE ROADWAY

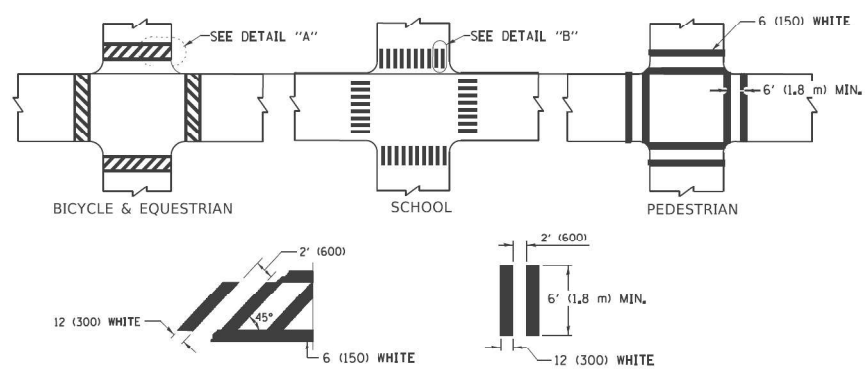


MULTI-LANE UNDIVIDED



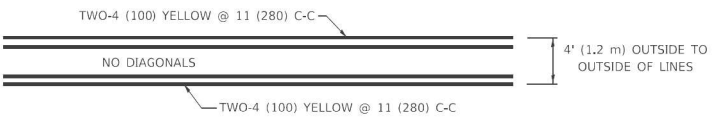
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

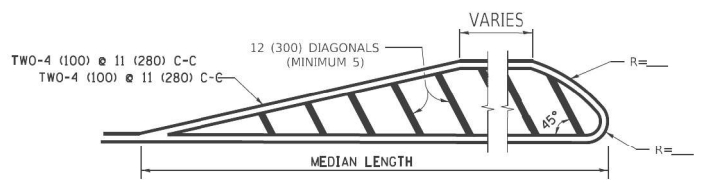


TYPICAL CROSSWALK MARKING

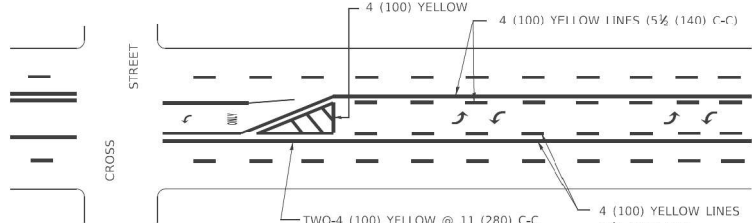
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



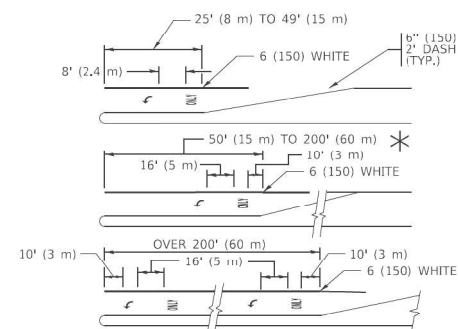
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



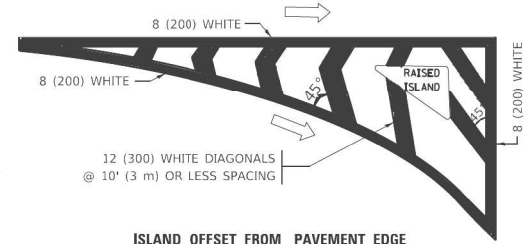
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



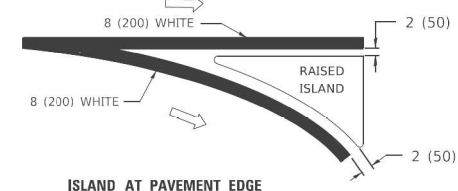
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

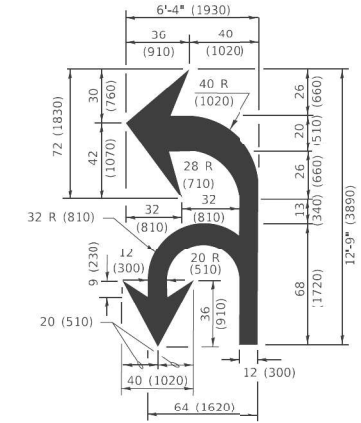
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



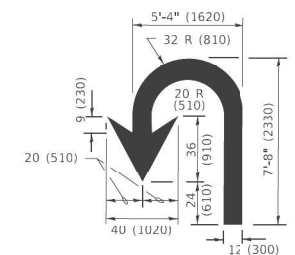
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	7 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN JUMP (50 km/h)) 20' (6 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: *RR* 15 6' (1.8 m) LETTERS; 16 (400) LINE FOR *X*	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R* = 3.6 SQ. FT. (0.33 m ²) EACH *X* = 54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS > 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE	
TYPICAL PAVEMENT MARKINGS	
SCALE: NONE	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE. 307	SECTION 2020-180-BR	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 98
TC-13		CONTRACT NO. 62M35		
ILLINOIS		FED. AID PROJECT NHPP-BUJE(494)		

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

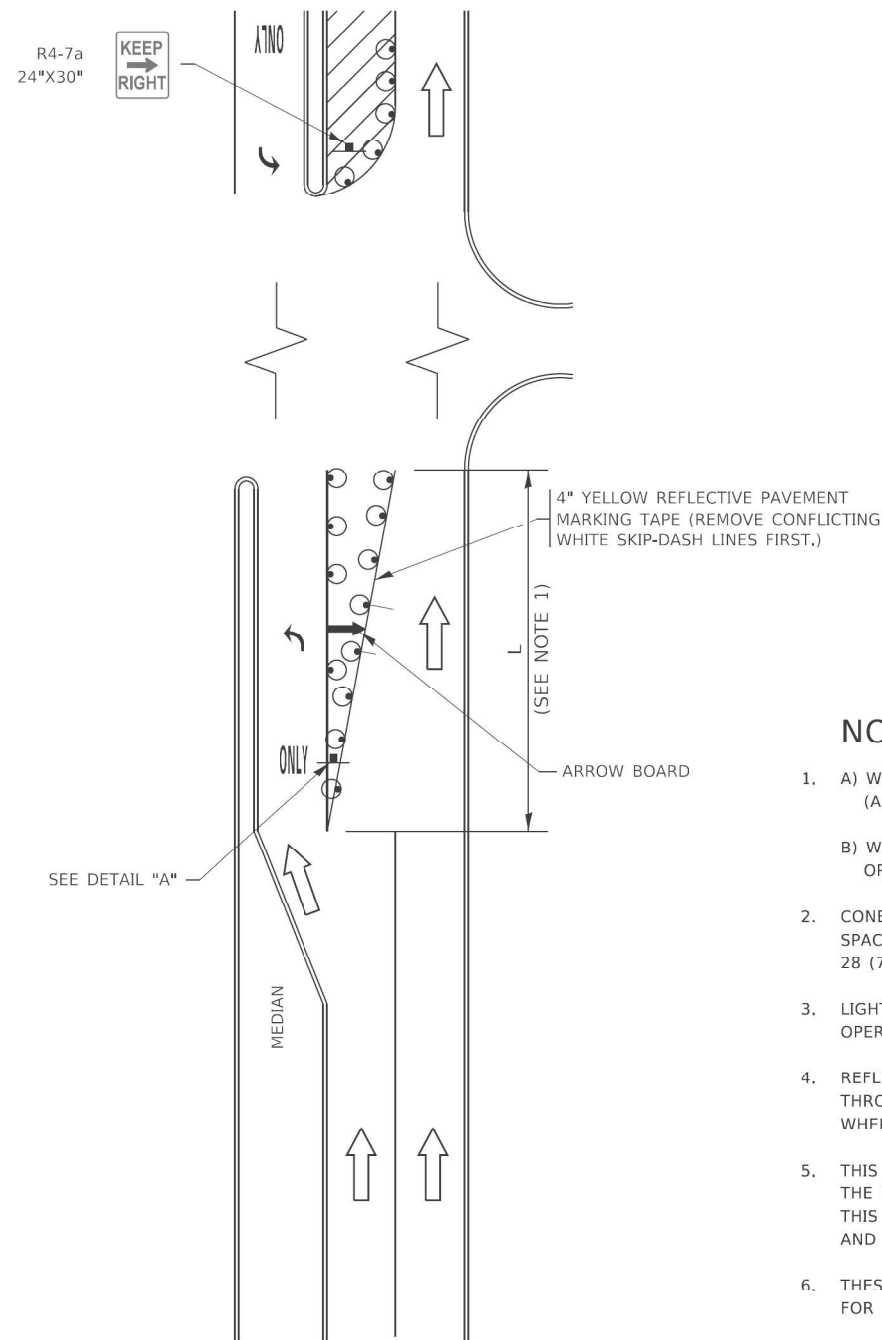


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

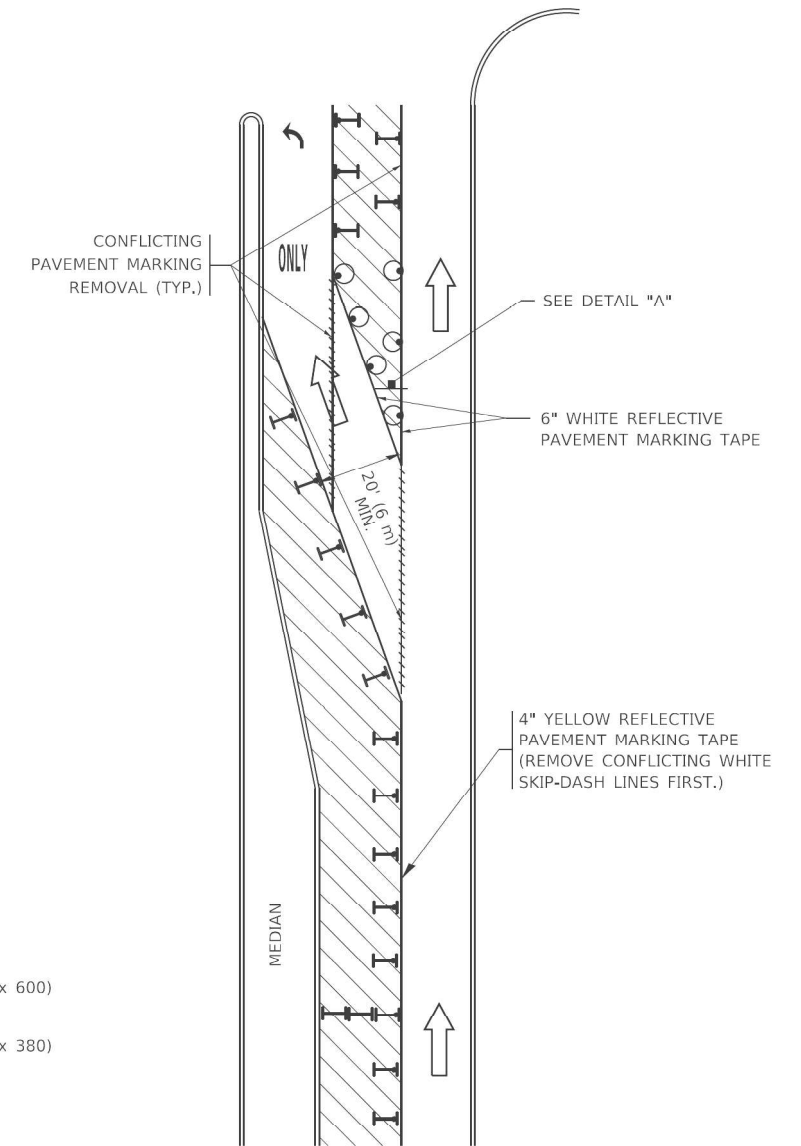


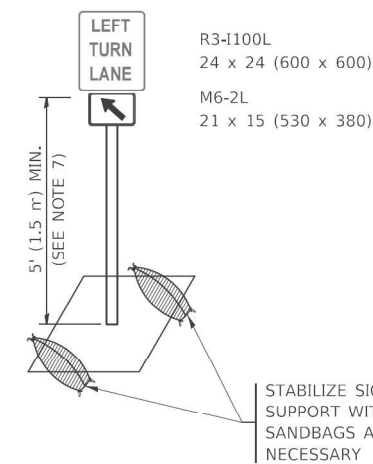
FIGURE 2

LEGEND

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

NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 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.



DETAIL A

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

USER: spohnson FILE: I:\PROJECTS\2019\004_IDOT_PTB_190_14_Phase II_Vocational_Drafting\WG_20_62M35\CADD\CADD_Sheets\0162M35-5-10-19-14.dgn

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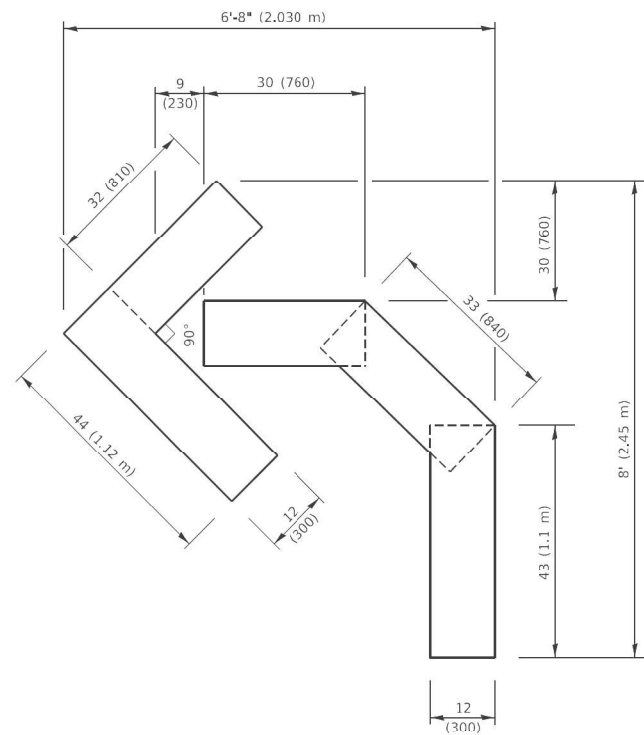
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DATE - T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

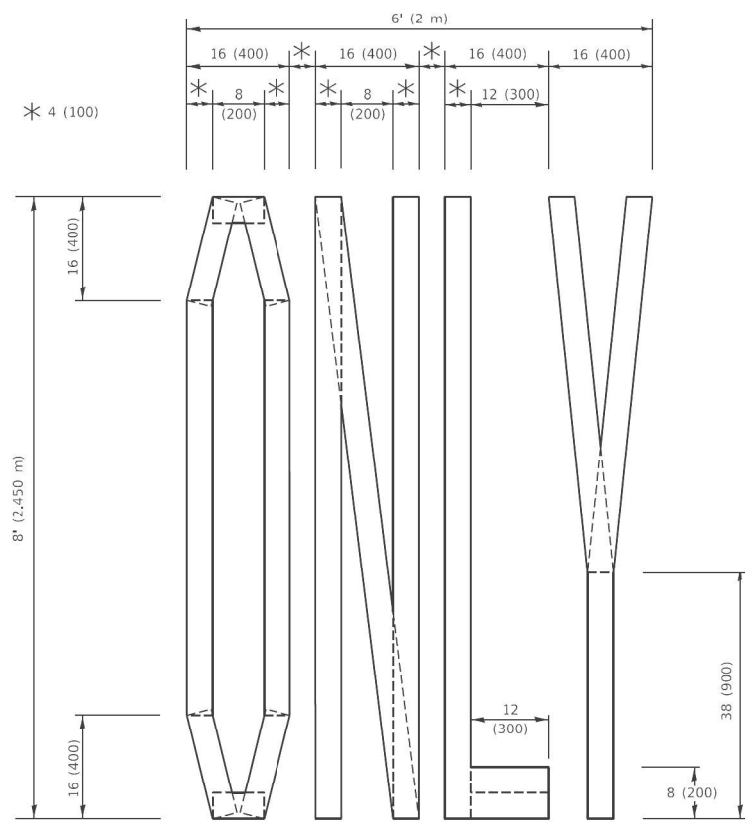
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F.A.P. RTE. 307	SECTION 2020-180-BR	COUNTY	TOTAL SHEETS 110	SHEET NO. 99
TC-14		DUPAGE		CONTRACT NO. 62M35
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				



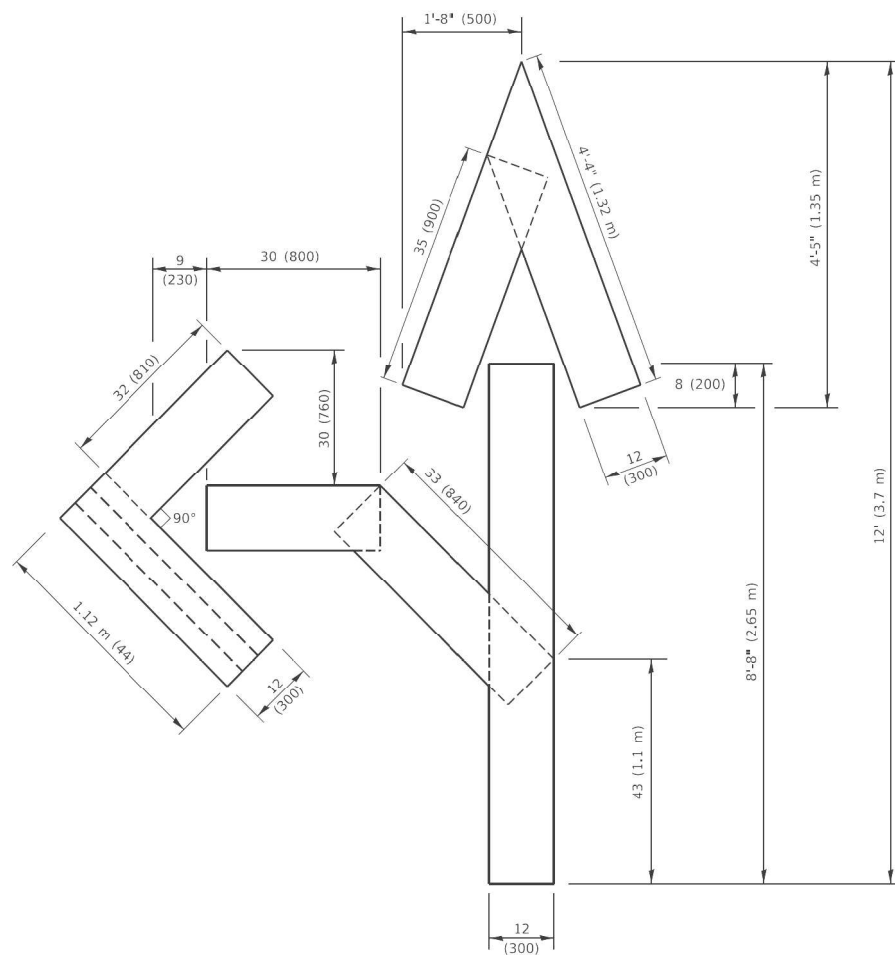
QUANTITY

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



QUANTITY

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

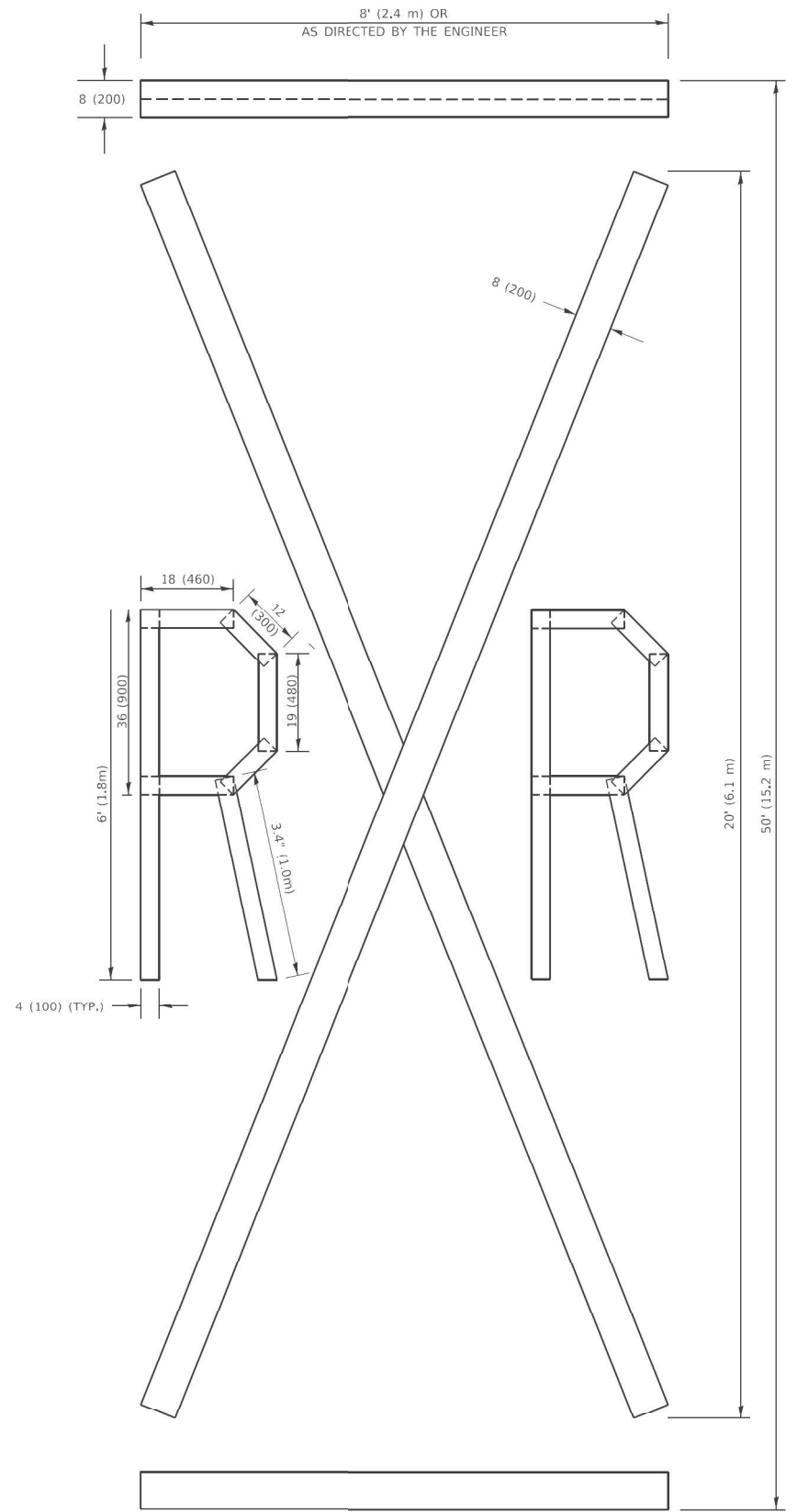


QUANTITY

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

NOTE:

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



QUANTITY

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

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

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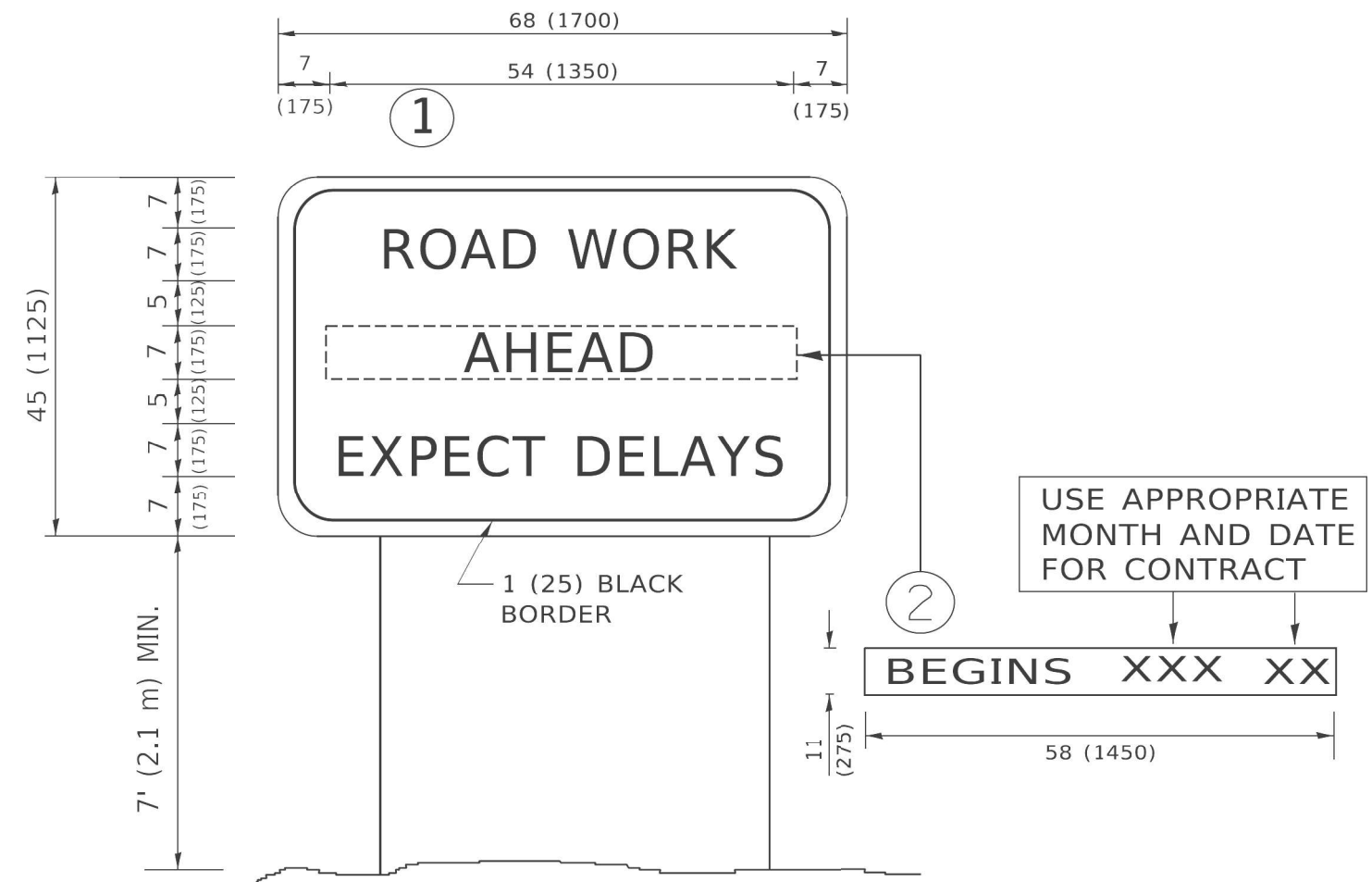
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	100
TC-16			CONTRACT NO. 62M35	
ILLINOIS FED. AID PROJECT NHPB-BUJE(494)				



NOTES:

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

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

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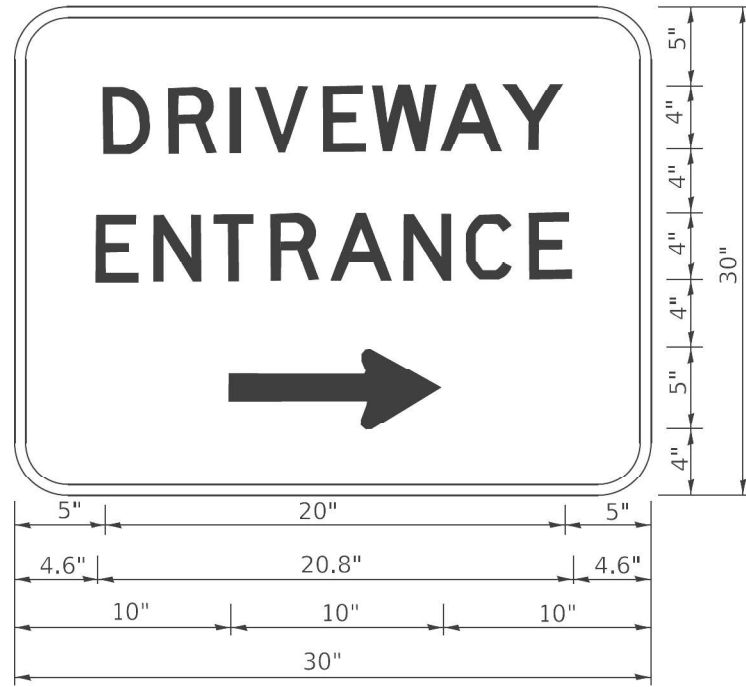
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
 INFORMATION SIGN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	101
TC-22			CONTRACT NO. 62M35	
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				



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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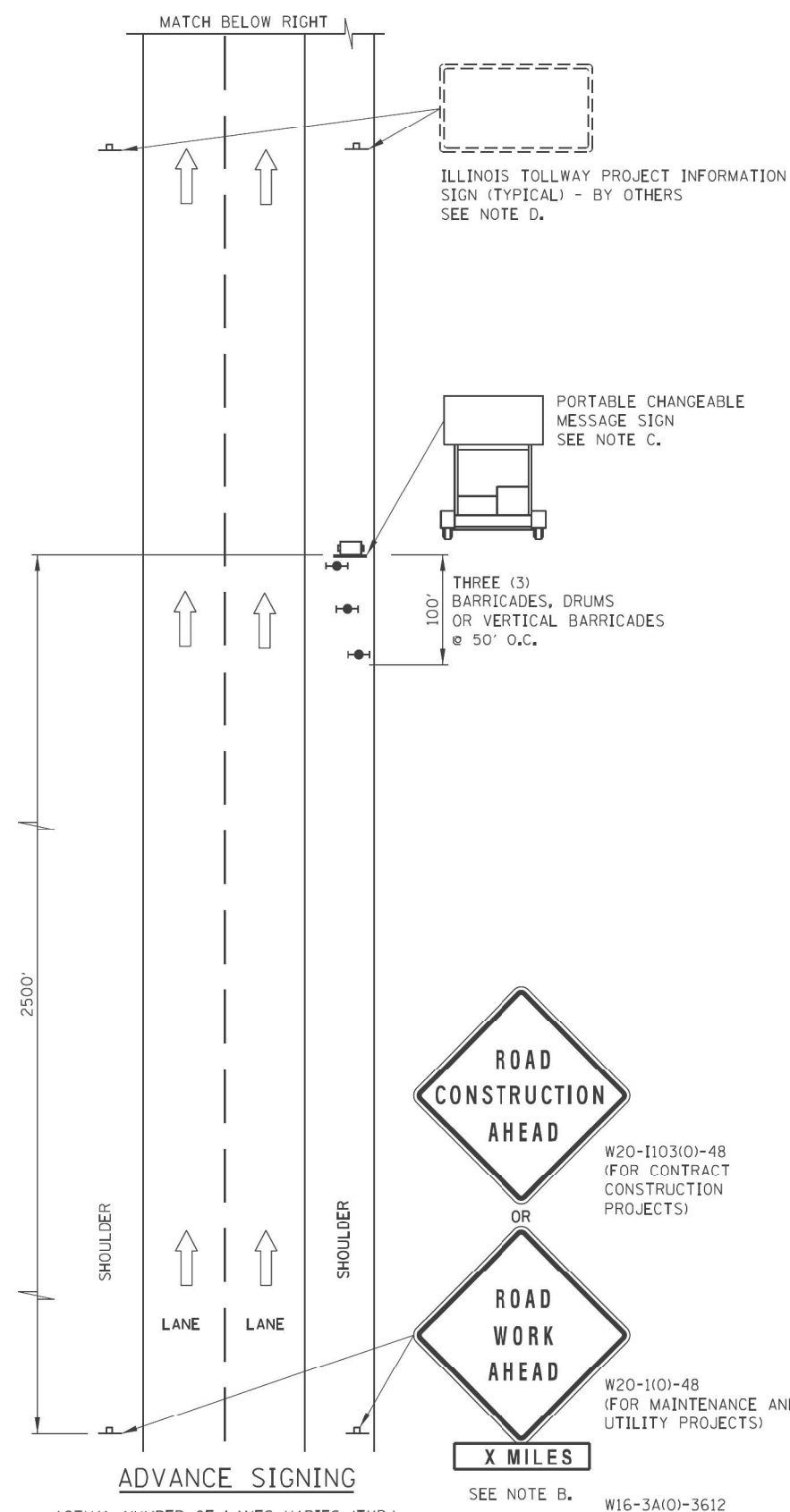
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	102
TC-26		CONTRACT NO. 62M35		
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				



ADVANCE SIGNING NOTES:

- A. THE ADVANCE SIGNING SHOWN ON THIS STANDARD SHALL APPLY ANY TIME THE CONTRACTOR CLOSES ONE OR MORE LANES, OR IS REQUIRED TO SHIFT THE LANE ALIGNMENT. THE "ROAD WORK AHEAD" OR "ROAD CONSTRUCTION AHEAD" SIGNS, WORK ZONE PUBLIC INFORMATION SIGNS AND PORTABLE CHANGEABLE MESSAGE ARE STATIONARY.
- B. THE ROAD CONSTRUCTION AHEAD SIGN (W20-1A, WITH W16-3a SUPPLEMENTAL PLATE) OR ROAD WORK AHEAD SIGN (W20-1, WITH W16-3A SUPPLEMENTAL PLATE) SHALL BE LOCATED UP TO 5 MILES IN ADVANCE OF THE PROJECT LIMITS, WITH THE LOCATION BEING DETERMINED BY THE ENGINEER.
- C. THE PORTABLE CHANGEABLE MESSAGE SIGN SHALL BE USED TO DISPLAY THE STATUS OF LANE WITHIN THE CONTRACT LIMITS. THE PRIMARY MESSAGES SHALL BE: "RIGHT LANE(S) CLOSED" / "X MILES AHEAD", "LEFT LANE(S) CLOSED" / "X MILES AHEAD", "LANE(S) SHIFT" / "X MILES AHEAD", "ALL LANES OPEN". THE PORTABLE CHANGEABLE MESSAGE SIGN MAY BE MOVED TO THE MEDIAN SHOULDER WHEN THE LANE CLOSURES ARE ON THE LEFT, PROVIDED THE EXISTING SHOULDER WIDTH IS ADEQUATE.
- D. THE ILLINOIS TOLLWAY WILL FURNISH AND INSTALL STATIC PROJECT INFORMATION SIGNS IN ADVANCE, THROUGH AND AT THE END OF THE WORK ZONE. THESE SIGNS WILL BE INSTALLED ALONG THE OUTSIDE SHOULDER WITH THE ADVANCE SIGNS LOCATED BEYOND THE PORTABLE CHANGEABLE MESSAGE SIGN. THE ENGINEER AND CONTRACTOR SHALL COORDINATE WITH THE ILLINOIS TOLLWAY REGARDING THE LOCATION OF THESE SIGNS AND NOTIFY THE ILLINOIS TOLLWAY OF ANY DAMAGE TO THE SIGNS OR SUPPORTS.

LEGEND

- ➔ ARROW BOARD
- ▨ WORK AREA
- ♣ SIGN
- ⬆️ DIRECTION INDICATOR BARRICADE WITH SEQUENTIAL FLASHING WARNING LIGHT
- ⦿ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH LIGHT IF REQUIRED. SEE ARTICLE 701.05(0)(5)
- FLAGGER WITH TRAFFIC CONTROL SIGN
- ⚡ WORKER
- ✕ LANE CLOSED
- 🚚 CHECK BARRICADE
- 🚛 TRUCK MOUNTED ATTENUATOR

SHEET 1 OF 3



LANE CLOSURE DETAILS

STANDARD E2-10

DATE	REVISIONS
3-31-2017	ADDED TAPER RATE TABLE
3-01-2019	REARRANGED DETAILS, REVISED NOTE 17, ADDED NOTES 18 & 19, ADDED TMA
3-01-2020	CLARIFIED TMA REQUIREMENTS, UPDATED BARRICADE LIGHT CALL-OUTS
3-01-2021	DELETED WORK ZONE PUBLIC INFORMATION SIGN.

APPROVED: *Paul Kovacs* DATE 5-1-2009
CHIEF ENGINEERING OFFICER

ADVANCE SIGNING
ACTUAL NUMBER OF LANES VARIES (TYP.)

SEE NOTE B. W16-3A(0)-3612

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS TOLLWAY STANDARDS
LANE CLOSURE DETAILS

SCALE: 2,0000' / in. SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	105
			CONTRACT NO. 62M35	
ILLINOIS FED. AID PROJECT NHP-6UJE(494)				

LANE CLOSURE NOTES:

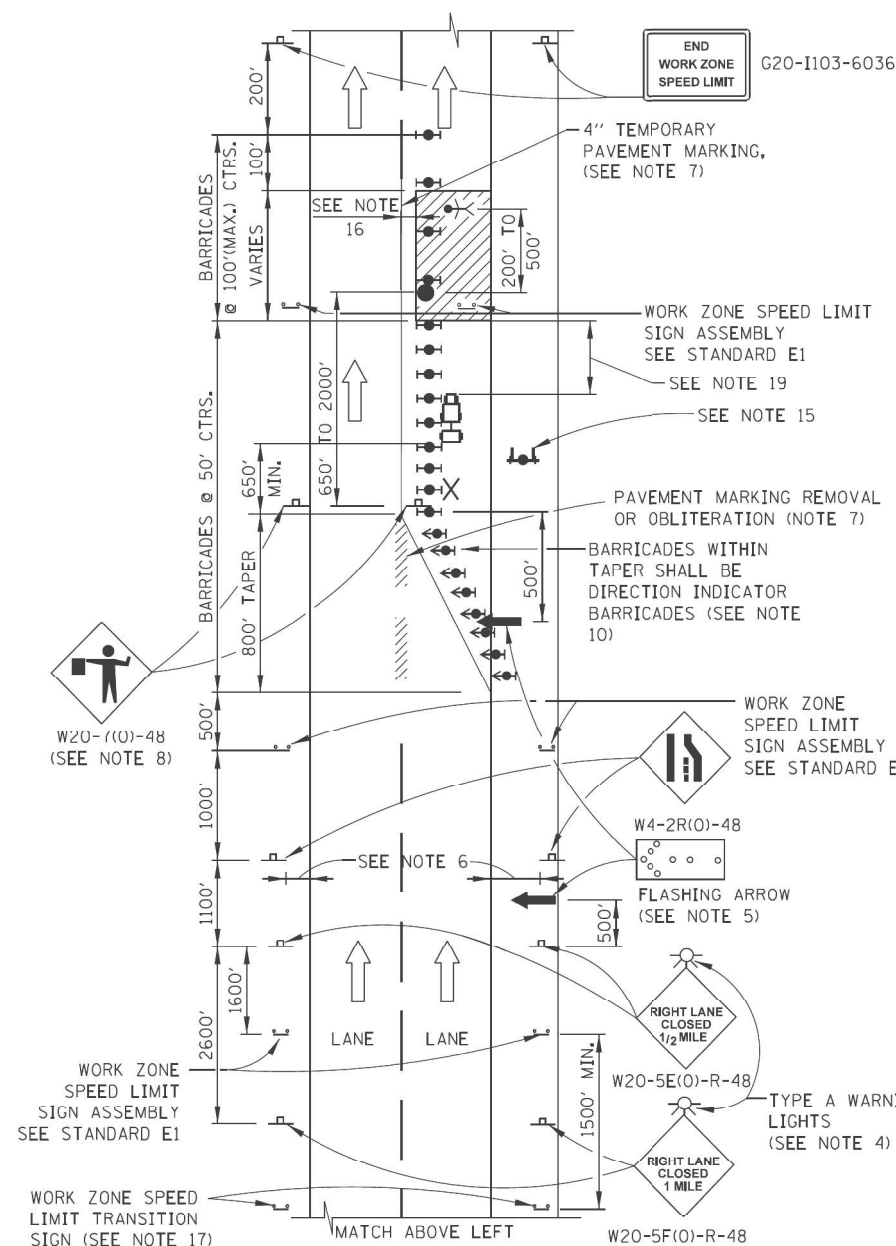
- IF CLOSURES ARE EXPECTED TO PRODUCE TRAFFIC BACKUPS EXTENDING BEYOND THE FIRST WARNING SIGN SHOWN ON THE DETAILS, ADDITIONAL UPSTREAM SIGNS SHALL BE PLACED SO THAT THE TRAFFIC CONTROL ZONE ENCOMPASSES THE ANTICIPATED BACKUP ZONE.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- THESE DETAILS ALSO APPLY TO OPPOSITE HAND LANE CLOSURES BY CHANGING SIGN LEGENDS AND ARROW DIRECTIONS TO INDICATE THE APPROPRIATE CLOSURE.
- FOR NIGHT TIME CLOSURES, ONE TYPE A WARNING LIGHT SHALL BE INSTALLED ABOVE EACH OF THE 1 MILE AND 1/2 MILE ADVANCE WARNING SIGNS. FOR DAYLIGHT-ONLY CLOSURES, THE LIGHTS MAY BE OMITTED.
- FOR ANY LANE CLOSURE, FLASHING ARROW BOARDS SHALL BE REQUIRED AND IN OPERATION AT ALL TIMES. THE FLASHING ARROW BOARD IN ADVANCE OF THE TAPER SHALL BE PROTECTED WITH THREE TYPE II BARRICADES AT 50' O.C.
- CONSTRUCTION SIGNS SHALL GENERALLY BE POST-MOUNTED OR ATTACHED TO PORTABLE SUPPORTS AND SHALL BE INSTALLED 8' TO 12' FROM ADJACENT TRAVEL LANE WHEREVER POSSIBLE. IN NO CASE SHALL SIGNS BE LOCATED TO PROVIDE LESS THAN 2' CLEARANCE BETWEEN EDGE OF SIGN AND ADJACENT TRAVEL LANE.
- PAVEMENT MARKING TAPE AND REMOVAL OR OBLITERATION OF EXISTING MARKINGS SHALL BE REQUIRED WHEN THE CLOSURE TIME EXCEEDS FOUR DAYS. THIS WORK SHALL BE MEASURED AND PAID FOR SEPARATELY.
- WHEN A FLAGGER IS NOT ON STATION, THE FLAGGER SIGN SHALL BE PROMPTLY REMOVED, COVERED OR TURNED TO FACE AWAY FROM TRAFFIC. FLAGGER SIGNS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED SPACING BETWEEN THE SIGNS AND THE WORKERS IN EACH SEPARATE WORK ACTIVITY, PER THE ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATIONS.
- WORK ZONE SPEED LIMIT SIGN ASSEMBLIES SHALL BE PLACED ADJACENT TO THE OPEN TRAFFIC LANE(S). WORK ZONE SPEED SIGNS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED SPACING BETWEEN SIGNS AND THE WORKERS IN EACH SEPARATE WORK ACTIVITY PER THE ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATIONS.
- DIRECTION INDICATOR BARRICADES SHALL BE USED IN LANE TAPERS.
- FOR CLOSURES OTHER THAN SHORT TERM (SUNRISE TO ONE HOUR BEFORE SUNSET). THE MINIMUM HEIGHT OF THE SIGN FROM SHOULDER ELEVATION SHALL BE 7'-0".
- CONES MAY BE USED IN LIEU OF BARRICADES IN THE BUFFER AND WORK AREAS, WHEN THE CLOSURE IS FOR MAINTENANCE OPERATIONS.
- BARRICADES ARE TO BE LOCATED AT JOINT LINE WHEN WORK AREA EXTENDS UP TO JOINT UNLESS OTHERWISE SHOWN ON THE PLANS.
- SEE MAINTENANCE OF TRAFFIC DRAWINGS FOR ADDITIONAL SIGNING IN THIS AREA.
- CHECK BARRICADES SHALL BE PLACED IN EACH CLOSED LANE AND SHOULDER AT 1000 FOOT CENTERS.
- A 1'-0" MINIMUM/2'-0" DESIRABLE SHY DISTANCE SHALL BE PROVIDED, MEASURED BETWEEN EDGE OF PAVEMENT LANE MARKING TO THE EDGE OF THE TRAFFIC CONTROL DEVICE.
- SEE STANDARD E1 FOR ADDITIONAL SIGNAGE REQUIRED WHEN WORK ZONE SPEED LIMIT IS REDUCED BY MORE THAN 10 MPH. THE SPEED LIMIT SHALL BE TRANSITIONED TO THE SPECIFIED WORK ZONE SPEED LIMIT 2600 FEET BEFORE THE FIRST W4-2 SIGN.
- WHEN NO POSITIVE PROTECTION IS PROVIDED AND WORKERS OR EQUIPMENT ENCROACH WITHIN 2'-0" OR LESS FROM THE EDGE OF TRAVELED WAY, THE LANE OPEN TO TRAFFIC SHALL BE TEMPORARILY CLOSED OR SHIFTED DURING WORK ACTIVITIES.
- IN WORK ZONES WITH NO POSITIVE PROTECTION, A TRUCK MOUNTED ATTENUATOR (TMA) SHALL BE PROVIDED WITH A BUFFER AREA BETWEEN THE FRONT OF THE TMA AND WORKERS OR EQUIPMENT. THE BUFFER AREA SHALL BE 200' UNLESS OTHERWISE DETERMINED. WHERE WORKERS OR EQUIPMENT ARE PRESENT BEYOND THE WORK AREA, AN ADDITIONAL TMA SHALL BE PROVIDED TO EACH WORK AREA. A WORK AREA IS DEFINED AS STARTING AT THE END OF THE BUFFER AREA, EXTENDING 1000 FEET BEYOND THIS POINT.

SHEET 2 OF 3



LANE CLOSURE DETAILS

STANDARD E2-10

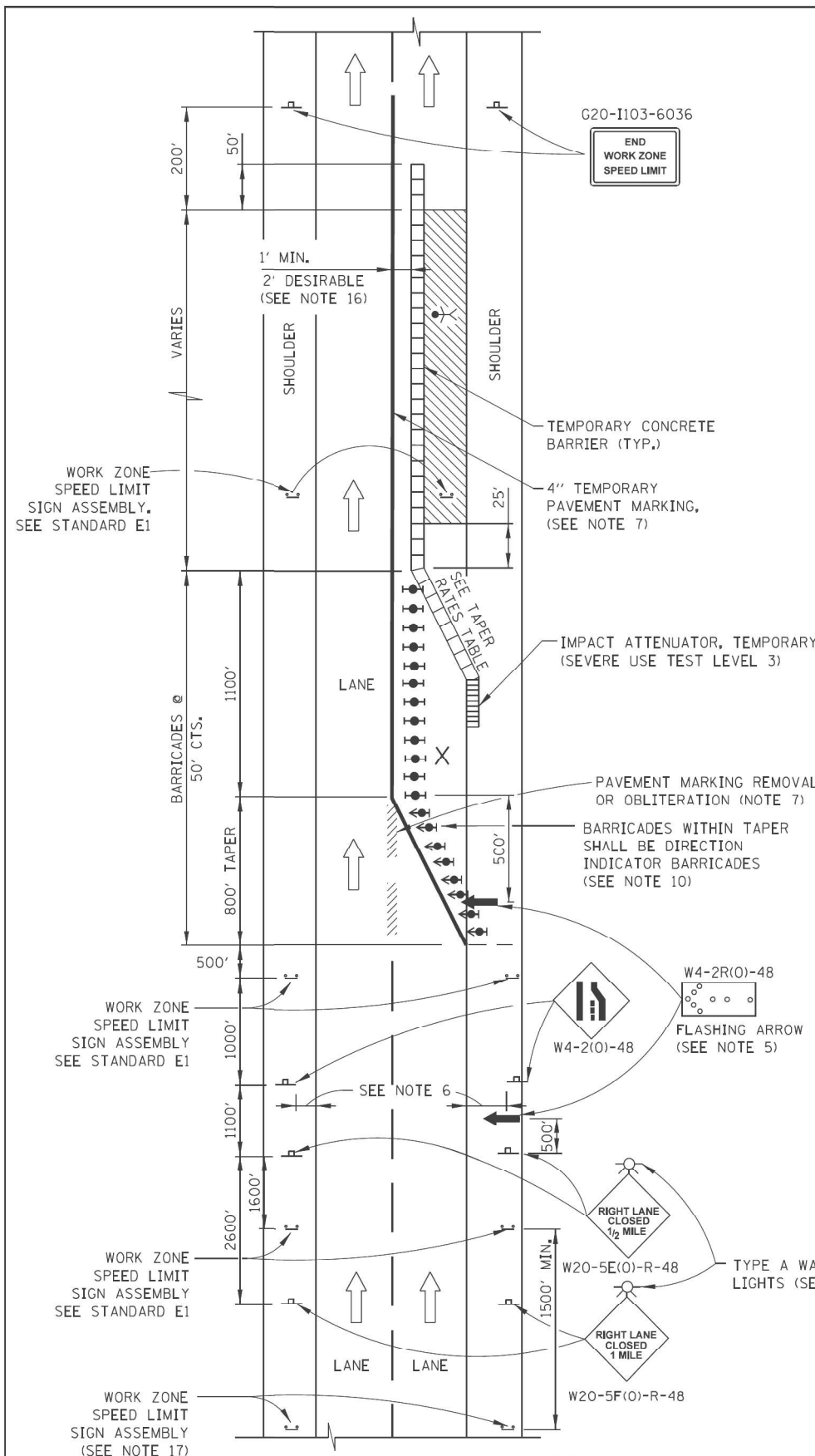


TAPER RATES

WORK ZONE SPEED (mph)	SHY LINE (ft.)	BARRIER INSIDE SHY LINE	BARRIER AT OR BEYOND SHY LINE
65	8.5	28:1	19:1
60	8	26:1	18:1
55	7	24:1	16:1
50	6.5	21:1	14:1
45	6	18:1	12:1
40	5	16:1	10:1
35	4.5	15:1	9:1
30	4	13:1	8:1

LEGEND

- ARROW BOARD
- WORK AREA
- SIGN
- DIRECTION INDICATOR BARRICADE WITH SEQUENTIAL FLASHING WARNING LIGHT
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH LIGHT IF REQUIRED. SEE ARTICLE 701.05(a)(5)
- FLAGGER WITH TRAFFIC CONTROL SIGN
- WORKER
- LANE CLOSED
- CHECK BARRICADE
- TRUCK MOUNTED ATTENUATOR



(SEE SHEET 1 FOR ADVANCE SIGNING)

ONE-LANE CLOSURE WITH BARRIER

APPROVED: *Paul Kovacs* DATE: 5-1-2009
CHIEF ENGINEERING OFFICER

USER: spjohson
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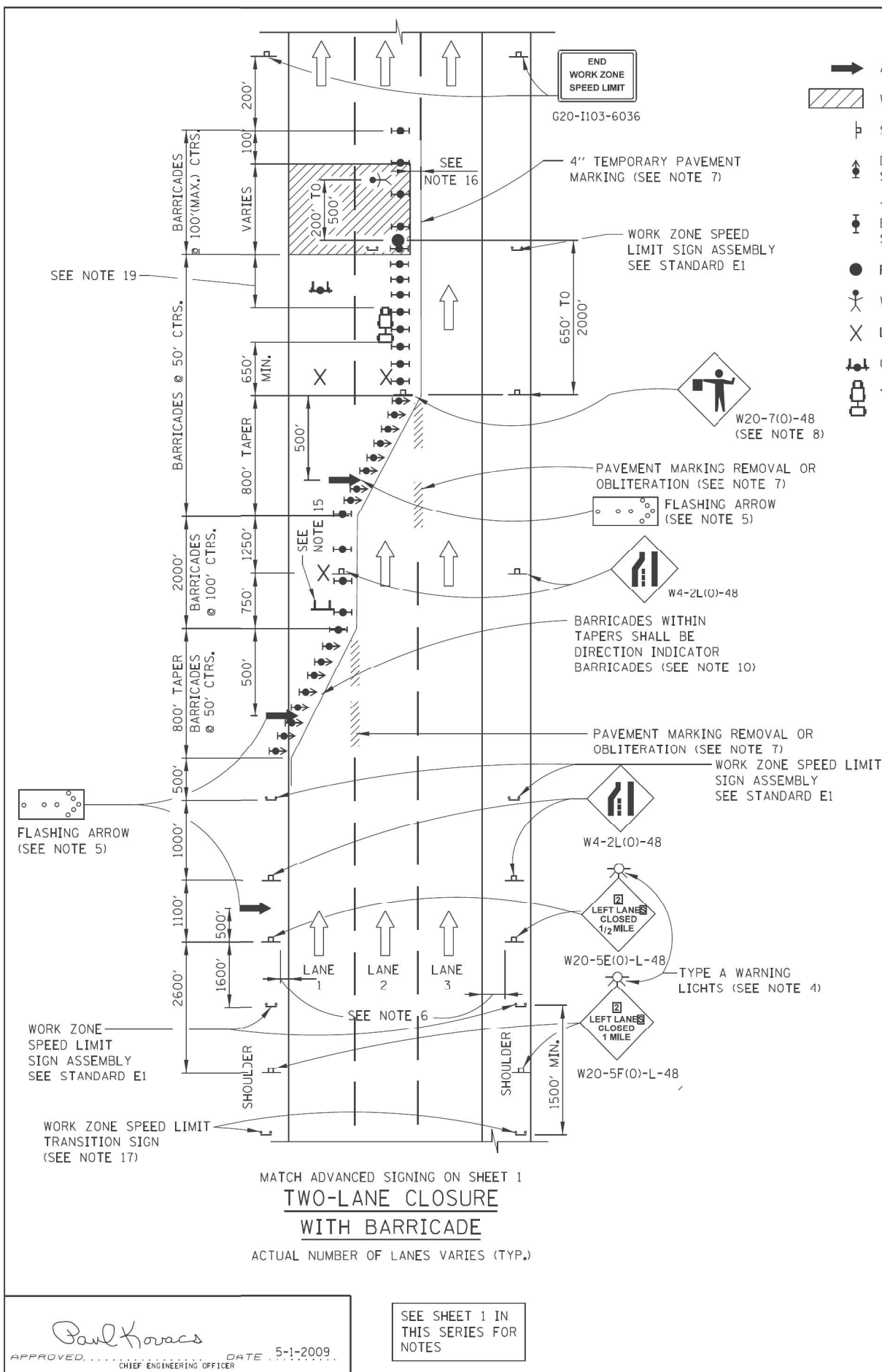
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS TOLLWAY STANDARDS
LANE CLOSURE DETAILS

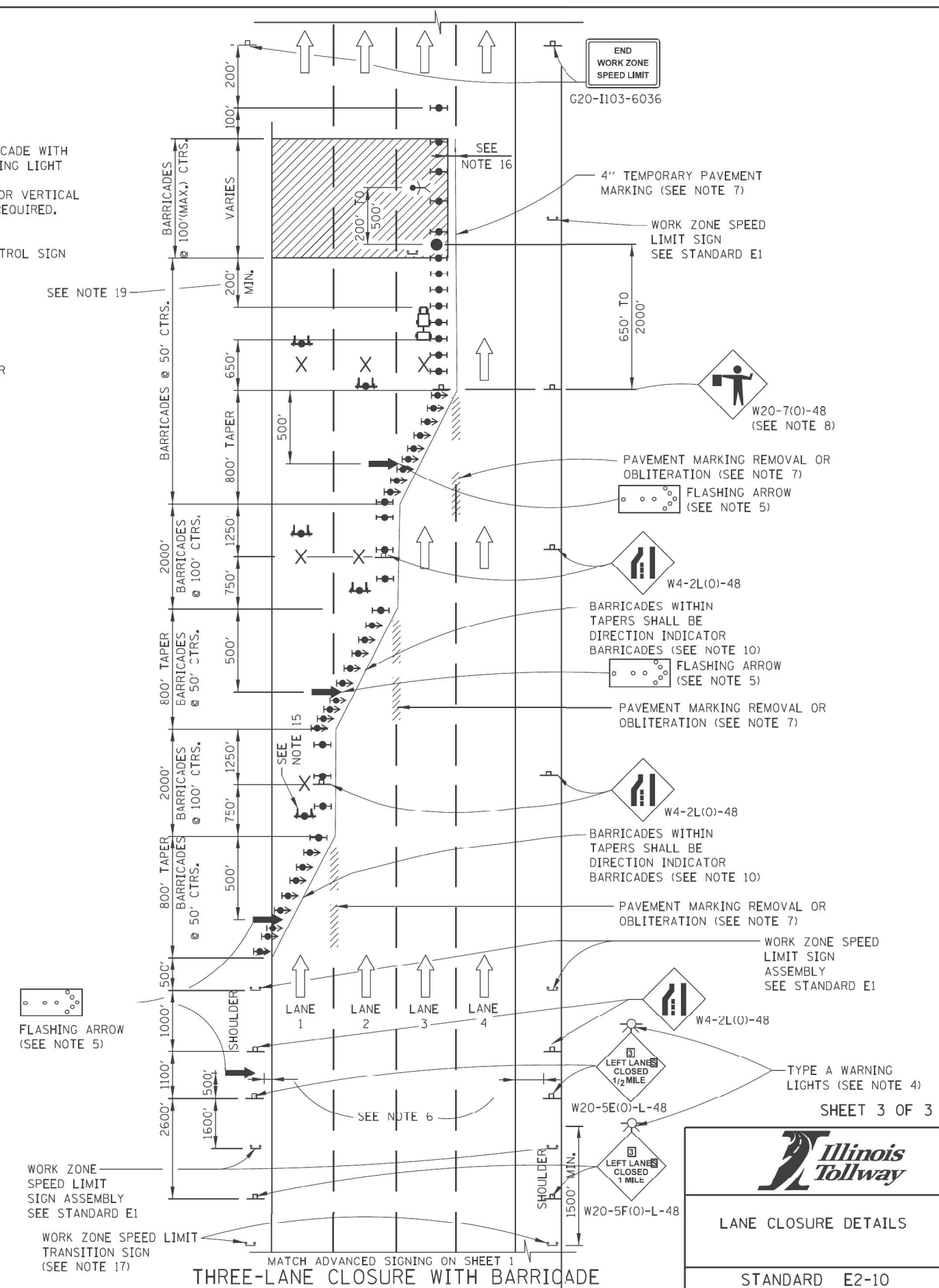
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	106
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				

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- LEGEND**
- ➔ ARROW BOARD
 - ▨ WORK AREA
 - ⊥ SIGN
 - ▲ DIRECTION INDICATOR BARRICADE WITH SEQUENTIAL FLASHING WARNING LIGHT
 - TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH LIGHT IF REQUIRED. SEE ARTICLE 701.05(a)(5)
 - FLAGGER WITH TRAFFIC CONTROL SIGN
 - ⚡ WORKER
 - X LANE CLOSED
 - ⊥ CHECK BARRICADE
 - 🚚 TRUCK MOUNTED ATTENUATOR



SHEET 3 OF 3

LANE CLOSURE DETAILS

STANDARD E2-10

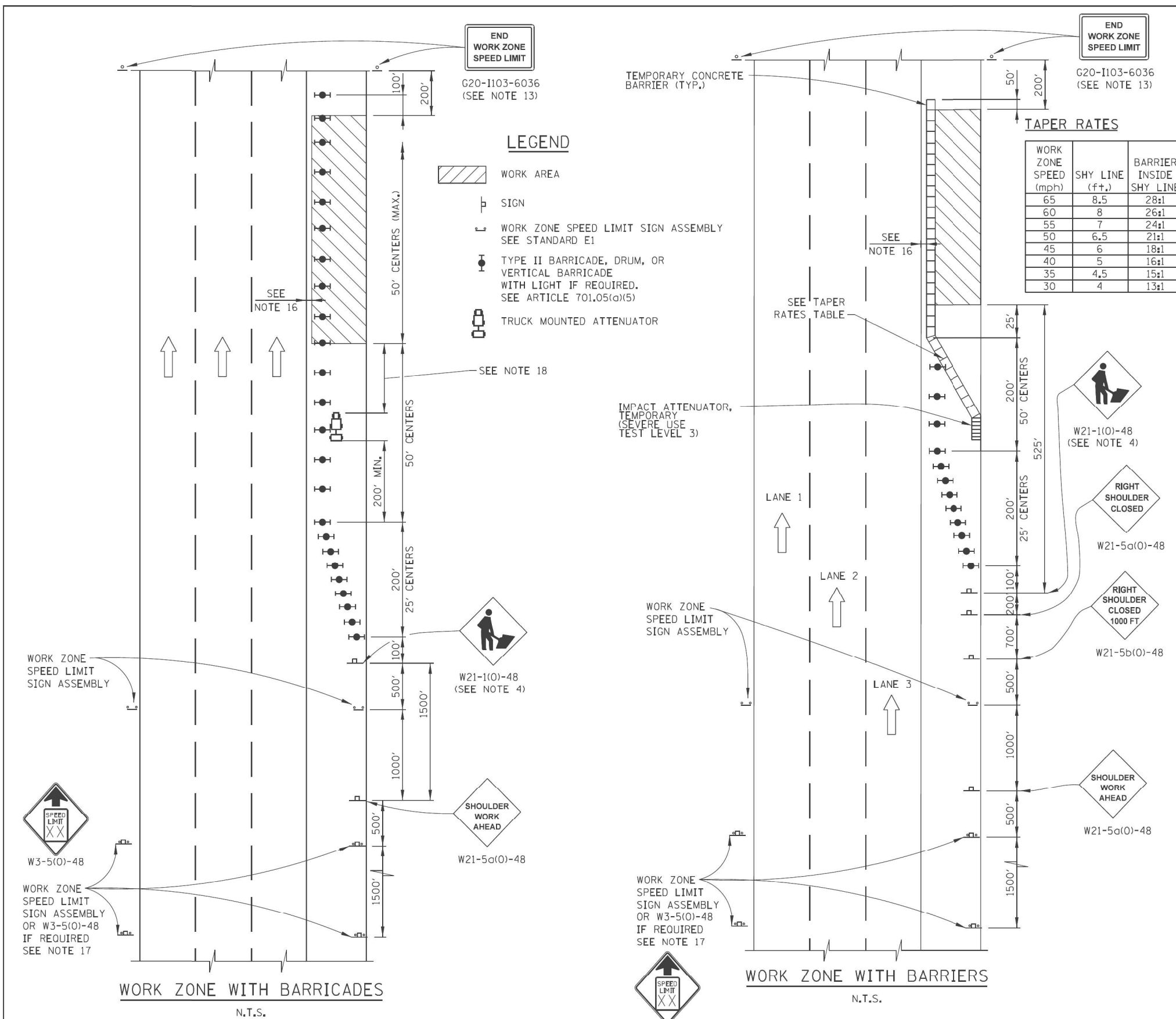
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SCALE: 2,0000' / in. SHEET 3 OF 3 SHEETS STA. TO STA.												ILLINOIS FED. AID PROJECT NHPP-BUJE(494)											

GENERAL NOTES:

1. THE SHOULDER SHALL BE CLOSED WHEN A WORK ACTIVITY REQUIRING 15 OR MORE MINUTES IS PERFORMED AT A DISTANCE WHICH IS LESS THAN 15 FEET BUT NO CLOSER THAN 2 FEET FROM THE EDGE OF PAVEMENT.
2. THE ADJACENT EXTERIOR LANE SHALL BE CLOSED WHEN WORK IS PERFORMED WITHIN 2 FEET FROM THE EDGE OF PAVEMENT.
3. THE CHANNELIZING DEVICES WHICH SEPARATE THE WORK SPACE FROM THE ADJACENT TRAVEL LANE SHALL BE SPACED AT 25' FOR (200 FEET) AND AT A MAXIMUM OF 50' FOR ALL ADDITIONAL DEVICES.
4. WHEN THE WORKSITE IS UNATTENDED, SUBSTITUTE - "SHOULDER WORK AHEAD" SIGN.
5. WORKER SIGNS OR SHOULDER WORK SIGNS AND CHANNELIZATION DEVICES ARE PLACED ONLY ON THE SIDE OF THE ROADWAY ON WHICH THE ACTIVITY IS PERFORMED.
6. FOR SHOULDER CLOSURE EXTENDING OVERNIGHT, BARRICADE TYPE II SHALL BE USED, SEE ARTICLE 701.05(a)(5) FOR BARRICADE LIGHT REQUIREMENTS
7. FOR SHORT TERM CLOSURE (SUNRISE TO ONE HOUR BEFORE SUNSET) NOT EXTENDING INTO DARKNESS, CONES MAY BE USED.
8. ONE WORK ZONE SPEED LIMIT SIGN ASSEMBLY SHALL BE PLACED AT A DISTANCE OF 500' TO 2,500' MAXIMUM IN ADVANCE OF WORKERS THROUGHOUT THE SHOULDER CLOSURE. MOVING OPERATIONS MAY REQUIRE CONTINUOUS ADJUSTMENT OF THE SIGN ASSEMBLY LOCATION TO MAINTAIN THE ABOVE INTERVAL.
9. AN ADDITIONAL SIGN ASSEMBLY SHALL BE PLACED 500' BEYOND THE LAST ENTRANCE RAMP FOR EACH INTERCHANGE THAT FALLS WITHIN THE 2,500'.
10. THE SIGN ASSEMBLY SHALL BE PLACED NO CLOSER THAN 500' TO ANY OTHER SIGN.
11. THE WORK ZONE SPEED LIMIT SIGNS AND SIGN ASSEMBLY SHALL BE PROMPTLY REMOVED OR COVERED WHEN SHOULDER CLOSURE IS REMOVED.
12. ALL CONFLICTING SPEED LIMIT SIGNS SHALL BE COVERED OR REMOVED.
13. "END WORK ZONE SPEED LIMIT" SIGNS SHALL BE IN PLACE ONLY WHEN THE EXISTING POSTED SPEED > 55MPH.
14. FOR SHOULDER REPAIRS OR REPLACEMENT THE CHANNELIZING DEVICES SHALL BE PLACED AT THE EDGE OF PAVEMENT WHENEVER THE WORK ACTIVITIES RESULT IN A DROPOFF AT THE EDGE OF PAVEMENT.
15. ANY UNATTENDED OBSTACLE OR EXCAVATION LEFT ON THE SHOULDER OVERNIGHT SHALL BE IN COMPLIANCE WITH THE ROADWAY TRAFFIC CONTROL AND COMMUNICATIONS MANUAL.
16. A 1'-0" MINIMUM/2'-0" DESIRABLE SHY DISTANCE SHALL BE PROVIDED, MEASURED BETWEEN EDGE OF PAVEMENT LANE MARKING TO THE EDGE OF THE TRAFFIC CONTROL DEVICE.
17. SEE STANDARD E1 FOR ADDITIONAL SIGNAGE REQUIRED WHEN WORK ZONE SPEED LIMIT IS REDUCED BY MORE THAN 10 MPH.
18. IN WORK ZONES WITH NO POSITIVE PROTECTION, A TRUCK MOUNTED ATTENUATOR SHALL BE PROVIDED WITH A BUFFER AREA BETWEEN THE FRONT OF THE TMA AND WORKERS OR EQUIPMENT. THE BUFFER AREA SHALL BE 200' UNLESS OTHERWISE DETERMINED. WHERE WORKERS OR EQUIPMENT ARE PRESENT BEYOND THE WORK AREA, AN ADDITIONAL TMA SHALL BE PROVIDED FOR EACH WORK AREA IS DEFINED AS STARTING AT THE END OF THE BUFFER AREA, EXTENDING 1000 FEET BEYOND THIS POINT.

TAPER RATES

WORK ZONE SPEED (mph)	SHY LINE (ft.)	BARRIER INSIDE SHY LINE	BARRIER AT OR BEYOND SHY LINE
65	8.5	28±1	19±1
60	8	26±1	18±1
55	7	24±1	16±1
50	6.5	21±1	14±1
45	6	18±1	12±1
40	5	16±1	10±1
35	4.5	15±1	9±1
30	4	13±1	8±1



LEGEND

- WORK AREA
- SIGN
- WORK ZONE SPEED LIMIT SIGN ASSEMBLY SEE STANDARD E1
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH LIGHT IF REQUIRED. SEE ARTICLE 701.05(a)(5)
- TRUCK MOUNTED ATTENUATOR

APPROVED: *Paul Kovacs* DATE: 5-1-2009
 CHIEF ENGINEERING OFFICER

DATE	REVISIONS
3-31-14	REVISED WORKER SIGN NUMBERS PER "MUTCD" AND REVISED NOTES.
3-11-2015	REVISED NOTES
3-31-2016	ADD WORK ZONE WITH BARRIERS.
3-31-2017	ADDED TAPER RATE TABLE.
3-01-2019	DELETED W21-1G, ADJUSTED SIGN SPACING.
	ADDED TMA, REVISED NOTES
3-01-2020	CLARIFIED TMA REQUIREMENTS & UPDATED BARRICADE LIGHT REQUIREMENTS
3-01-2021	DELETED WORK ZONE PUBLIC INFORMATION SIGN

Illinois Tollway

SHOULDER CLOSURE DETAILS

STANDARD E3-09

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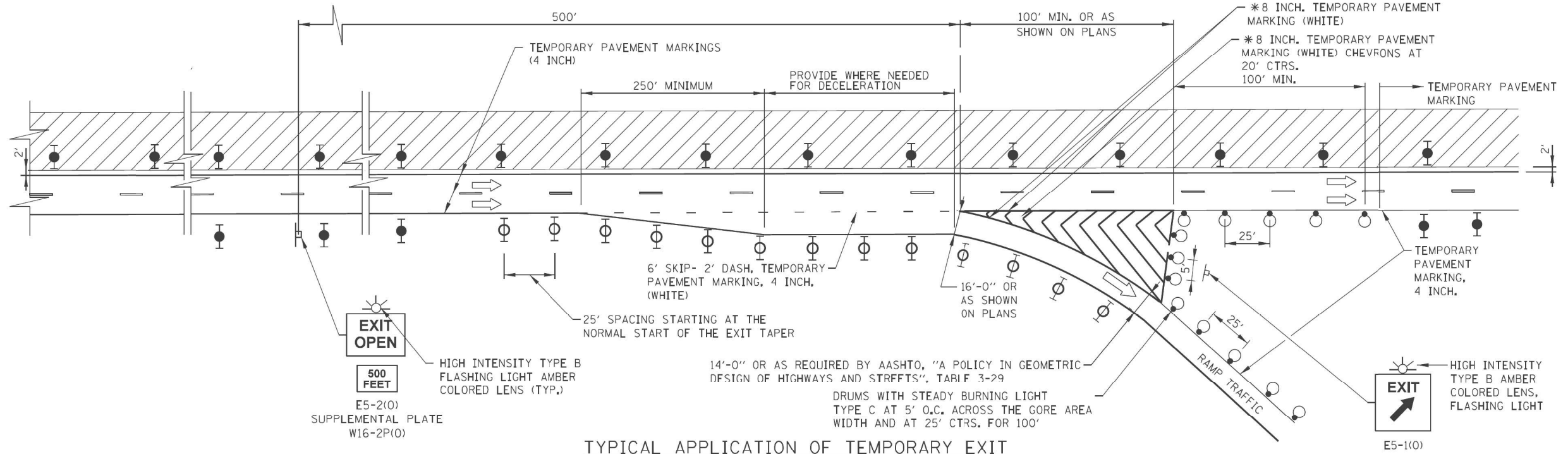
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

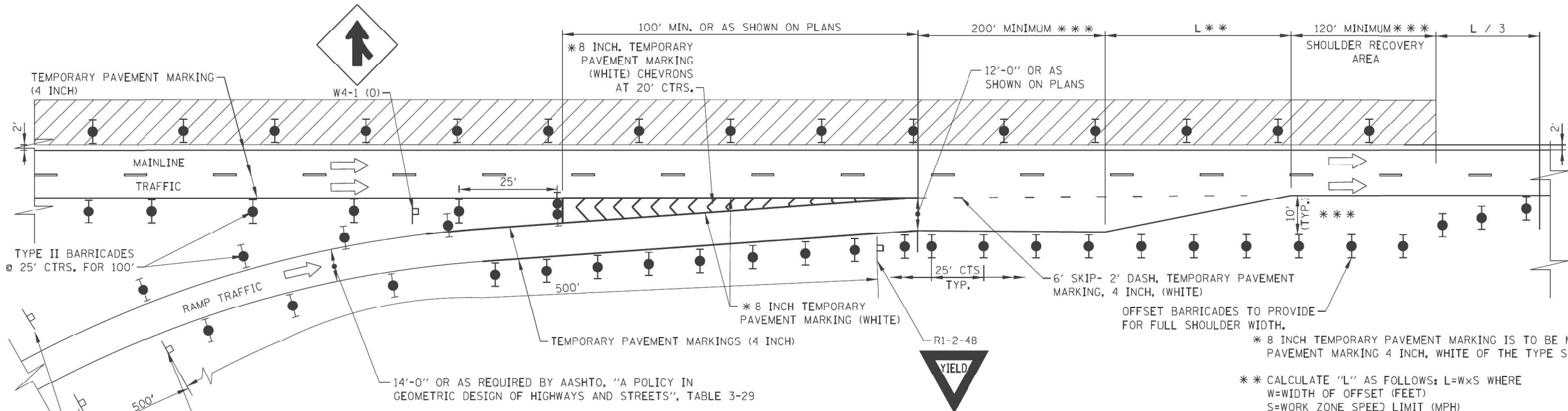
ILLINOIS TOLLWAY STANDARDS SHOULDER CLOSURE DETAILS

SCALE: 2,0000' / in. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 307	SECTION 2020-180-BR	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 108
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPP-BUJE(494)				



TYPICAL APPLICATION OF TEMPORARY EXIT GORE DELINEATION AND SIGNING



TYPICAL APPLICATION OF TEMPORARY ENTRANCE GORE DELINEATION AND SIGNING

NOTES:

1. WHEN TEMPORARY PAVEMENT MARKING IS NOT REQUIRED, TEMPORARY GORES MAY BE DELINEATED BY DRUMS WITH STEADY BURN LIGHTS AT 25' C-C ACCORDING TO THE CONFIGURATIONS SHOWN.
2. THE TAPER LENGTHS ARE MINIMUMS. EXISTING ACCELERATION, DECELERATION, AND TAPER LENGTHS SHOULD BE PRESERVED TO THE EXTENT POSSIBLE.

LEGEND

- WORK AREA
- SIGN
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH LIGHT IF REQUIRED. SEE ARTICLE 701.05(D)(5) BARRICADE TYPE USED ON MAINLINE SHALL BE DIFFERENT THAN BARRICADE TYPE USED ON TAPER.
- DRUM WITH LIGHT IF REQUIRED SEE ARTICLE 701.05(d)(5)
- TYPE III BARRICADE

*** CALCULATE "L" AS FOLLOWS: L=WxS WHERE
W=WIDTH OF OFFSET (FEET)
S=WORK ZONE SPEED LIMIT (MPH)
*** WHERE VIABLE WITH STAGED CONSTRUCTION

Paul Kovacs
APPROVED, CHIEF ENGINEERING OFFICER DATE 5-1-2009

DATE	REVISIONS
3-11-2015	REVISED EXIT/ENTRANCE DETAIL LAYOUTS REMOVED DETAILS NOT NEEDED.
3-31-2016	REVISED ENTRANCE GORE DETAIL.
3-31-2017	REVISED EXIT GORE DRUM LAYOUT
3-01-2018	REVISED DIMENSIONS FOR ENTRANCE TAPER.
3-01-2019	REVISED EXIT BARRICADES, ADDED EXIT OPEN 1000 FT SIGN
3-1-2020	PROVIDED DETAILS FOR INSIDE AND OUTSIDE WORK ZONES, PROVIDED ACCEL. & DECEL. DISTANCE WHERE VIABLE

SHEET 1 OF 2

TEMPORARY GORE DETAILS

STANDARD E5-09

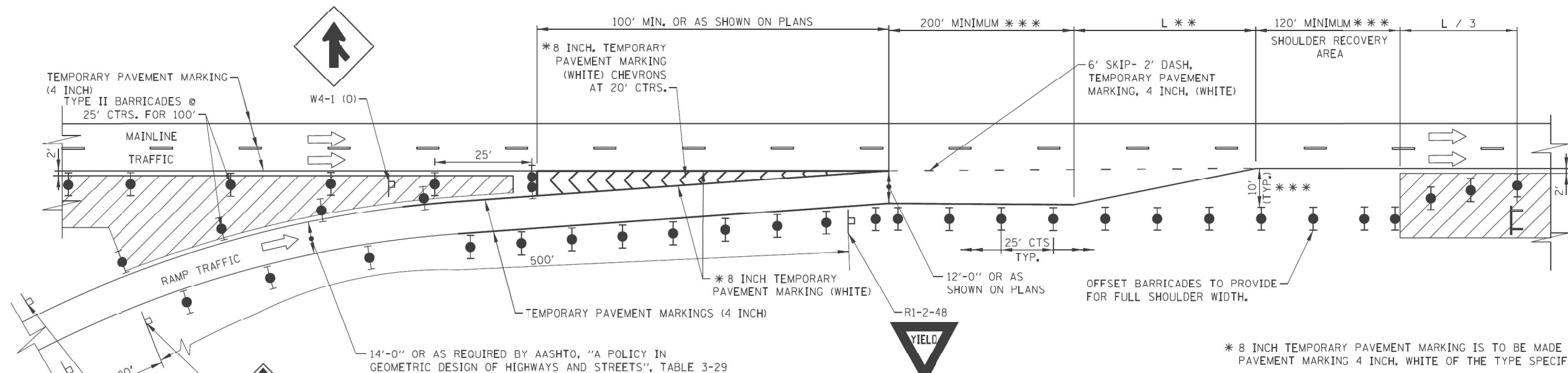
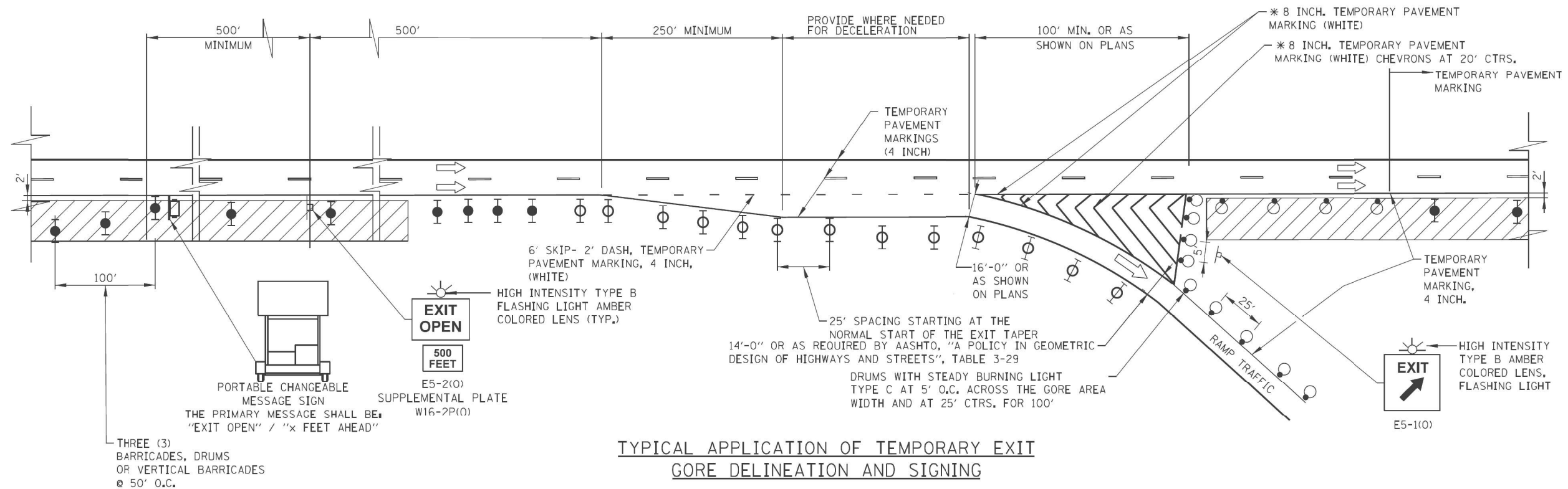
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ILLINOIS TOLLWAY STANDARDS TEMPORARY GORE DETAILS	
SCALE: 2,0000' / in.	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE. 307	SECTION 2020-180-BR	COUNTY DUPAGE	TOTAL SHEETS 110	SHEET NO. 109
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPB-BUJE(494)				

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TYPICAL APPLICATION OF TEMPORARY ENTRANCE GORE DELINEATION AND SIGNING

NOTES:

1. WHEN TEMPORARY PAVEMENT MARKING IS NOT REQUIRED, TEMPORARY GORES MAY BE DELINEATED BY DRUMS WITH STEADY BURN LIGHTS AT 25' C-C ACCORDING TO THE CONFIGURATIONS SHOWN.
2. THE TAPER LENGTHS ARE MINIMUMS, EXISTING ACCELERATION, DECELERATION, AND TAPER LENGTHS SHOULD BE PRESERVED TO THE EXTENT POSSIBLE.

LEGEND

- WORK AREA
- SIGN
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH LIGHT IF REQUIRED. SEE ARTICLE 701.05(D)(5) BARRICADE TYPE USED ON MAINLINE SHALL BE DIFFERENT THAN BARRICADE TYPE USED ON TAPER.
- DRUM WITH LIGHT IF REQUIRED SEE ARTICLE 701.05(d)(5)
- TYPE III BARRICADE

- * 8 INCH TEMPORARY PAVEMENT MARKING IS TO BE MADE OF 2-TEMPORARY PAVEMENT MARKING 4 INCH, WHITE OF THE TYPE SPECIFIED.
- ** CALCULATE "L" AS FOLLOWS: L=WxS WHERE W=WIDTH OF OFFSET (FEET) S=WORK ZONE SPEED LIMIT (MPH)
- *** WHERE VIABLE WITH STAGED CONSTRUCTION
- **** MINIMUM STOPPING DISTANCE

SHEET 2 OF 2



TEMPORARY GORE DETAILS

STANDARD E5-09

APPROVED: *Paul Kovacs* DATE 5-1-2009.
CHIEF ENGINEERING OFFICER

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS TOLLWAY STANDARDS
TEMPORARY GORE DETAILS

SCALE: 2,0000' / in. SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-180-BR	DUPAGE	110	110
CONTRACT NO. 62M35				
ILLINOIS FED. AID PROJECT NHPB-BUJE(494)				