F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	1
		CONTRACT NO. 61F73		
	ILLINOIS			

04-26-2019 LETTING ITEM 140

FEDERAL AID ENGINEER: CARMEN E. RAMOS, P.E. SCHAUMBURG, IL

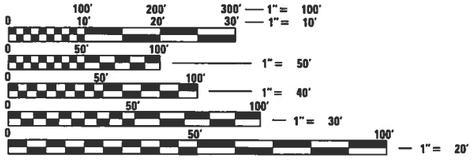
FOR INDEX OF SHEETS, SEE SHEET NO. 2

ROADWAY CLASSIFICATION

ST. CHARLES ROAD – MINOR ARTERIAL

TRAFFIC DATA
2016 – 22,000 ADT

POSTED SPEED – 30 MPH
DESIGN SPEED – 30 MPH



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

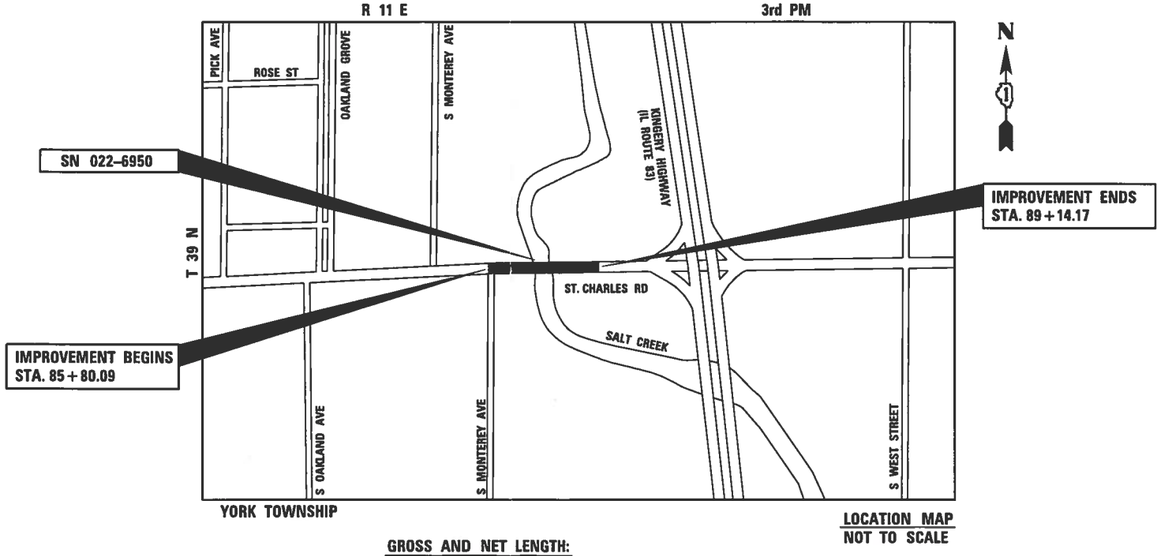
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

CONTRACT NO. 61F73

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

F.A.U. ROUTE 1397 (ST. CHARLES ROAD)
OVER SALT CREEK
BRIDGE IMPROVEMENTS
SECTION 15-00094-00-BR
PROJECT NO. N6MY(382)
DUPAGE COUNTY, VILLAGE OF VILLA PARK
C-91-313-15



LOCATION MAP
NOT TO SCALE

GROSS AND NET LENGTH:
ST. CHARLES ROAD ..... 334 FEET (0.06 MILES)

LOCATION OF SECTION INDICATED THUS: –

PROFESSIONAL ENGINEER'S SIGN AND SEAL

KURT R. CORRIGAN, P.E.
#062-051814
EXP. DATE: 11/30/2019
SHEETS: 1–40, 65–106

KURT R. CORRIGAN 062-051814 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
exp11/30/19
01/14/2019

STRUCTURAL ENGINEER'S SIGN AND SEAL

CHRISTOPHER J. BURKE, P.E., S.E.
#081-005134
EXP. DATE: 11/30/2020
SHEETS: 41–64

STATE OF ILLINOIS CHRISTOPHER J. BURKE 081 005134 LICENSED STRUCTURAL ENGINEER
01/14/2019

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Approved Dylan Juskelis 01/14/2019
DIRECTOR OF PUBLIC WORKS
Village of Villa Park

Passed 2/20/19
District 1 Engineer of Local Roads & Streets

Releasing for Bid Based on Limited Review FEBRUARY 20, 2019
Regional Engineer

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

GENERAL NOTES

1. ALL EXISTING TOPOGRAPHY, UNDERGROUND UTILITIES, STRUCTURES AND ASSOCIATED FACILITIES SHOWN ON THESE DRAWINGS HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEREFORE, THEIR LOCATIONS AND ELEVATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER FACILITIES, THE EXISTENCE OF WHICH ARE NOT PRESENTLY KNOWN. THE EXACT LOCATIONS AND ELEVATIONS ARE TO BE VERIFIED BY THE CONTRACTOR.

2. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE", THE CITY OF ELMHURST AND THE VILLAGE OF VILLA PARK FOR FIELD LOCATIONS OF BURIED UTILITIES 48 HOURS IN ADVANCE OF WORK.

ELECTRIC	CABLE TV	GAS
CITY OF ELMHURST	COMCAST CABLE	NICOR GAS
KENT JOHNSON, PE, CFM	TED WYMAN	BRUCE KOPPANG
209 N. YORK ST.	688 INDUSTRIAL DRIVE	1844 FERRY RD.
ELMHURST, IL 60126	ELMHURST, IL 60126	NAPERVILLE, IL 60563
(630) 530-3024	(224) 229-5850	(630) 388-3046

TELEPHONE	WATER AND SEWER	WATER AND SEWER
AT&T	CITY OF ELMHURST	VILLAGE OF VILLA PARK
BRUCE ROBBINS	KENT JOHNSON, PE, CFM	KEVIN MANTELS
1000 COMMERCE DR.	209 N. YORK ST.	11 WEST HOME AVENUE
OAKBROOK, IL 60523	ELMHURST, IL 60126	VILLA PARK, ILLINOIS 60181
(815) 412-5254	(630) 530-3024	(630) 834-8505

3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD CHECK ALL DIMENSIONS AND ELEVATIONS OF EXISTING UTILITY LINES AND STRUCTURES THAT MAY BE IMPACTED BY THE PROPOSED WORK PRIOR TO ORDERING MATERIAL OR BEGINNING CONSTRUCTION. ANY DISCREPANCIES FROM THE PLANS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.

4. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED BY THE UTILITY COMPANY.

5. THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONARY AND PROTECTIVE MEASURES REQUIRED TO MAINTAIN AND PROTECT EXISTING UTILITIES, SEWERS, MAINS AND APPURTENANCES THAT MUST BE KEPT IN OPERATION. IN PARTICULAR, THE CONTRACTOR SHALL TAKE ADEQUATE MEASURES TO PREVENT THE UNDERMINING OF UTILITIES, SEWERS AND MAINS WHICH WILL REMAIN IN SERVICE. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND UTILITY COMPANY IF IT IS DETERMINED THAT TEMPORARY BRACING OR SUPPORT OF THE UTILITIES IS REQUIRED.

6. THE CONTRACTOR WILL NOT BE PERMITTED TO SET UP A YARD OR FIELD OFFICE ON STATE OR VILLAGE PROPERTY WITHOUT PRIOR WRITTEN PERMISSION OF THE DEPARTMENT.

7. EXCEPT WHERE MODIFIED BY THE CONTRACT DOCUMENTS, ALL WORK PROPOSED HEREON SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS WHICH ARE HEREBY MADE A PART HEREOF:

   a. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS," AS PREPARED BY IDOT, LATEST EDITION.

   b. "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS," AS PREPARED BY IDOT, LATEST EDITION.

   c. THE ILLINOIS ACCESSIBILITY CODE.

   d. "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS," LATEST EDITION.

   e. "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS AS PUBLISHED BY THE IEPA," LATEST EDITION.

   f. ILLINOIS RECOMMENDED STANDARDS FOR SEWAGE WORKS," AS PUBLISHED BY THE IEPA, LATEST EDITION.

   g. "MANUAL OF TEST PROCEDURES FOR MATERIALS," LATEST EDITION

   h. "ILLINOIS URBAN MANUAL," LATEST EDITION

   i. THE NATIONAL ELECTRIC CODE, LATEST EDITION.

8. ALL AREAS OF PLANNED SUBGRADE TREATMENT SHOULD BE VERIFIED IN THE FIELD AT THE TIME OF CONSTRUCTION BY A QUALIFIED SOILS INSPECTOR. ALL POTENTIALLY UNSTABLE/ UNSUITABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL (SSM). ANY SOIL IMPROVEMENT QUANTITIES NOT USED DURING CONSTRUCTION SHOULD BE DELETED FROM THE CONTRACT.

9. THE ENGINEER AND VILLAGE / CITY ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS/HER WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.

10. THE CONTRACTOR IS RESPONSIBLE FOR HAVING A SET OF "APPROVED" ENGINEERING PLANS WITH THE LATEST REVISION DATE ON THE JOB SITE PRIOR TO THE START OF CONSTRUCTION AND AT ALL TIMES DURING CONSTRUCTION.

11. AREAS OUTSIDE THE R.O.W. LINE OR CONSTRUCTION LIMIT LINE IMPACTED BY OPERATIONS OF THE CONTRACTOR SHALL BE RETURNED TO THE STATE IT WAS FOUND PRIOR TO NEW CONSTRUCTION, EXCEPT WHERE NEW WORK IS SHOWN.

12. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES AND SIDE ROADS DURING CONSTRUCTION OPERATIONS.

13. THE ILLINOIS DEPARTMENT OF TRANSPORTATION IS NOT THE OWNER OF RECORD FOR THIS BRIDGE. FOR INFORMATION REGARDING THE EXISTING STRUCTURE SEE RECORD PLANS ON SHEETS 69 TO 86.

REMOVALS AND PAVING NOTES

1. ALL EXISTING PAVEMENT OR CONCRETE CURB AND GUTTER TO BE REMOVED SHALL BE SAWCUT ALONG LIMITS OF PROPOSED REMOVAL BEFORE COMMENCEMENT OF PAVEMENT REMOVAL. THE COST OF THE SAW CUT SHALL BE INCLUDED IN THE COST OF ITEM BEING REMOVED.

2. REMOVED PAVEMENT, SIDEWALK, CURB AND GUTTER, ETC. SHALL BE DISPOSED OF BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AN OFF-SITE DUMP SITE IN ACCORDANCE WITH ARITCLE 202.03 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

3. NO HOLES ARE TO BE LEFT OPEN IN THE PAVEMENT OR PARKWAY OVER A HOLIDAY, WEEKEND OR AFTER 3:00 P.M. ON THE DAY PRECEDING A HOLIDAY OR A WEEKEND.

4. STREET PAVING AND CURBS TO REMAIN SHALL BE PROTECTED FROM DAMAGE. IF DAMAGED, IT SHALL BE REPLACED PROMPTLY IN CONFORMANCE WITH THE MUNICIPALITY OR IDOT STANDARD SPECIFICATIONS IN MATERIALS AND WORKMANSHIP.

5. ALL CURB RADII REFER TO EDGE OF PAVMENT UNLESS OTHERWISE NOTED.

6. ASPHALT JOINTS FOR BINDER COURSES ARE TO BE STAGGERED.

7. PROPOSED ELEVATIONS INDICATE FINISHED CONDITIONS. FOR ROUGH GRADING ELEVATIONS ALLOW FOR THICKNESS OF PROPOSED PAVING (ROADS, WALKS, DRIVES, ETC.) OR TOPSOIL AS INDICATED ON DRAWINGS.

8. IF THERMOPLASTIC PAVEMENT MARKINGS FOR THE FINAL STRIPING CONDITION CANNOT BE PLACED ACCORDING TO SECTION 780.05 OF THE STANDARD SPECIFICATIONS, THE CONTRACTOR SHALL INSTALL TEMPORARY EPOXY PAVEMENT MARKING AT THE DIRECTION OF THE ENGINEER. IF TEMPORARY EPOXY PAVEMENT MARKING IS USED, THE CONTRACTOR SHALL INSTALL FINAL STRIPING WHEN THE THERMPLASTIC PAVEMENT MARKINGS CAN BE PLACED ACCORDING TO SECTION 780.05 OF THE STANDARD SPECIFICATIONS.

INDEX OF DRAWINGS

IDOT HIGHWAY STANDARDS

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001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424011-04	CORNER PARALLEL CURB AND RAMPS FOR SIDEWALKS
424021-05	DEPRESSED CORNER FOR SIDEWALKS
602301-04	INLET - TYPE A
604051-04	FRAME AND GRATE TYPE 11
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701101-05	OFF-RD OPERATIONS, MULTILANE 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS </= 40 MPH
701606-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN SINGLE 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
812001	RACEWAY EMBEDDED IN STRUCTURE
83800-01	BREAKAWAY DEVICES

DISTRICT ONE STANDARDS

BD-02	DRIVEWAY DETAILS DISTANCE BETWEEN ROW AND FACE OF CURB < 15'
BD-08	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-32	BUTT JOINT HMA TAPER DETAILS
BE-301	LIGHT POLE FOUNDATION 40' TO 47 1/2' MH 15" BOLT CIRCLE
BE-702	MISC. ELECTRICAL DETAILS SHEET A
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	TYPICAL PAVEMENTS MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING
TS-05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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PLOT DATE = 2/13/2019	DATE - 02/13/19	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, LISTING OF APPLICABLE HIGHWAY STANDARDS, AND GENERAL NOTES

SCALE: NONE | SHEET 1 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	2
		CONTRACT NO: 61F73		
	ILLINOIS			

EROSION AND SEDIMENT CONTROL NOTES

1. THE PURPOSE OF THE EROSION AND SEDIMENT CONTROL MEASURES INCLUDED FOR THIS PROJECT IS TO LIMIT THE SEDIMENT POLLUTION IMPACT OF ANY STORM WATER DISCHARGES THAT ORIGINATE ON THE PROJECT SITE OR OFF-SITE FLOWS THAT FLOW OVER THE DISTURBED AREAS INTO SALT CREEK.

2. THE FOLLOWING EROSION AND SEDIMENT CONTROLS SHOULD BE UTILIZED:

   A. THE PERIMETER BARRIER (AND CONSTRUCTION ENTRANCE IF NEEDED) WILL BE INSTALLED BEFORE CONSTRUCTION ACTIVITIES BEGIN.

   B. INLET BASKETS WILL BE INSTALLED FOR ALL OPEN LID DRAINAGE STRUCTURES AS SHOWN ON THE EROSION CONTROL & LANDSCAPING PLAN OR AS NEEDED AS CONSTRUCTION PROGRESSES.

   C. ALL DISTURBED AREAS OF THE SITE SHALL BE BROUGHT TO FINAL GRADE, RESPREAD WITH TOPSOIL AND ESTABLISHED WITH PERMANENT VEGETATION AS SOON AS PRACTICABLE.

   D. PERIMETER BARRIER OR OTHER APPROXIMATE EROSION CONTROL MEASURES SHOULD BE UTILIZED AT ALL PHASES OF CONSTRUCTION TO PREVENT DEBRIS OR SEDIMENT FROM ENTERING SALT CREEK.

   E. PUMPING SEDIMENT-LADEN WATER INTO ANY STORMWATER FACILITY EITHER DIRECTLY OR INDIRECTLY WITHOUT FILTRATION IS PROHIBITED. WATER REMOVED FROM TRAPS, BASINS AND OTHER WATER HOLDING DEPRESSIONS OR EXCAVATIONS MUST FIRST PASS THROUGH A SEDIMENT CONTROL AND/OR FILTRATION DEVICE. WHEN DEWATERING DEVICES ARE USED, DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION.

   F. INSTALL SEDIMENT CONTROL SILT CURTAIN WITHIN SALT CREEK AT THE DOWNSTREAM LIMIT (SOUTH) OF CONSTRUCTION TO PREVENT SEDIMENT AND DEBRIS FROM TRAVELING DOWNSTREAM.

MAINTENANCE:

1. THE CONTRACTOR SHALL MAINTAIN THE SEDIMENT AND EROSION CONTROL MEASURES IDENTIFIED ON THIS PLAN UNTIL THE SITE IS STABILIZED. ITEMS IN NEED OF REPAIR SHALL BE ADDRESSED AS SOON AS PRACTICABLE. MAINTENANCE ITEMS INCLUDE INLET FILTERS, PERIMETER BARRIER, EROSION CONTROL BLANKET, CONSTRUCTION ENTRANCES, AND VEGETATION THROUGHOUT THE SITE. FURTHERMORE, AS SOIL IS TRANSPORTED OFF-SITE OR WHEN THE CONTRACTOR'S EQUIPMENT IS OPERATED ON ANY PORTION OF THE PAVEMENT, THE CONTRACTOR SHALL CLEAN THE PAVEMENT OF ALL DIRT AND DEBRIS ON A DAILY BASIS, OR AS REQUESTED BY THE ENGINEER.

2. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30-DAYS AFTER FINAL STABILIZATION IS ACHIEVED WITH PERMANENT STABILIZATION MEASURES. TRAPPED SEDIMENT AND OTHER DISTURBED SOILS RESULTING FROM TEMPORARY MEASURES SHALL BE PROPERLY DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. THOSE AREAS WHERE TEMPORARY EROSION CONTROL MEASURES HAVE BEEN REMOVED SHALL BE PERMANENTLY STABILIZED.

LIGHTING AND ELECTRICAL NOTES

1. LOCATION OF LIGHTING CONDUIT, DUCT HANDHOLES AND APPURTENANCES ARE SHOWN DIAGRAMMATICALLY. THE ACTUAL LOCATION IN THE FIELD MUST MEET THE APPROVAL OF THE ENGINEER.

2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO AUGURING FOR LIGHT POLE FOUNDATIONS. THE EXACT LOCATIONS OF ALL ITEMS SHALL BE CONFIRMED WITH THE ENGINEER PRIOR TO STARTING WORK.

3. ALL INSTALLATIONS, MATERIALS AND GROUNDING OF ELECTRICAL SYSTEMS, EQUIPMENT AND APPURTENANCES SHALL BE IN STRICT CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE (NEC), LATEST EDITION, AND THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) STANDARD SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION.

4. GROUNDING OF POLE AND CONTROLLER INCLUDING GROUND ROD, CONDUCTOR AND LUGS INCLUDING EXOTHERMIC WELD TO GROUND ROD SHALL BE INCLUDED IN THE COST OF THE PAY ITEM FOR WHICH IT IS INSTALLED.

5. ALL SPLICING MUST BE IN POLE BASES OR JUNCTION BOXES ABOVE GRADE WITH WATERPROOF SEALANT AND HEAT SHRINKABLE PLASTIC CAPS.

6. EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND BONDED TO EACH ELECTRICAL HANDHOLE THEY PASS THROUGH AS WELL AS EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT. BOXES SHALL BE EQUIPPED FOR THE GROUNDING WIRE TERMINATIONS WITHOUT DEGRADATION OF BOX RATING.

7. EXISTING ELECTRICAL SERVICE IS 120/240V, SINGLE-PHASE.

8. INSTALL CABLE IN CONTINUOUS UNCUT LENGTHS BETWEEN JUNCTION BOXES AND LIGHT POLES.

9. LIGHT POLE OVERCURRENT PROTECTION SHALL BE 5 AMP FUSES.

10. ALL PROPOSED CABLE SHALL BE 600V XLP-TYPE USE AND SIZED PER PLAN, UNLESS OTHERWISE NOTES.

11. EXISTING LIGHTING CONTROLLER C5 IS LOCATED AT THE NORTHWEST CORNER OF ST. CHARLES ROAD AND PICK AVENUE.

LOCATION		EARTH EXCAVATION (ADJUSTED 15% FOR SHRINKAGE)	FILL	EARTHWORK BALANCE WASTE (+) SHORTAGE (-)	TOPSOIL EXCAVATION STRIP DEPTH = 9"	TOPSOIL FILL DEPTH = 6"
FROM STATION	TO STATION	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
(1)		(2)	(3)	(4)	(5)	(6)
ST CHARLES ROAD						
85+80.09	86+00.00	1.52	1.41	0.11	2.45	1.32
86+00.00	86+50.00	6.50	3.83	2.78	7.65	3.85
86+50.00	87+00.00	8.49	8.90	2.38	13.31	7.22
87+00.00	87+13.41	2.60	4.55	0.43	6.15	3.45
88+24.16	88+38.02	2.34	0.96	1.81	3.02	1.49
88+38.02	88+99.35	38.52	0.93	39.40	6.16	1.44
88+99.35	89+14.17	1.79	0.40	40.80	1.81	0.50
TOTAL		61.78	20.98	40.80	40.55	19.26

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PLOT DATE = 2/13/2019	DATE - 02/13/19	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND EARTHWORK SCHEDULE

SCALE: NONE | SHEET 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	3
		CONTRACT NO: 61F73		
		ILLINOIS		

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	30
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	48
	20101000	TEMPORARY FENCE	FOOT	200
#	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	12
#	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	10
	20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	2
	20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	2
•	20200100	EARTH EXCAVATION	CU YD	65
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	41
	20700220	POROUS GRANULAR EMBANKMENT	CU YD	8
	20800150	TRENCH BACKFILL	CU YD	2
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	44
	21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	83
	21301060	EXPLORATION TRENCH 60" DEPTH	FOOT	50
	25000210	SEEDING, CLASS 2A	ACRE	0.25
	25100630	EROSION CONTROL BLANKET	SQ YD	73
	28000400	PERIMETER EROSION BARRIER	FOOT	296
	28000510	INLET FILTERS	EACH	7
	31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	51
	35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	26
	35300400	PORTLAND CEMENT CONCRETE BASE COURSE 9"	SQ YD	21
	35300715	PORTLAND CEMENT CONCRETE BASE COURSE 12 3/4"	SQ YD	32
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	184
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	989
	40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	104
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	132
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	9
	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	3
	40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	123
	42001300	PROTECTIVE COAT	SQ YD	85

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	26
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2086
	42400800	DETECTABLE WARNINGS	SQ FT	16
	44000100	PAVEMENT REMOVAL	SQ YD	47
	44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	591
	44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	785
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	19
	44000300	CURB REMOVAL	FOOT	9
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	442
	44000600	SIDEWALK REMOVAL	SQ FT	2200
	44201827	CLASS D PATCHES, TYPE II, 15 INCH	SQ YD	6
	50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1
	50102400	CONCRETE REMOVAL	CU YD	23.6
	50200100	STRUCTURE EXCAVATION	CU YD	34
	50300225	CONCRETE STRUCTURES	CU YD	24.0
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	79.6
	50300260	BRIDGE DECK GROOVING	SQ YD	691
	50300300	PROTECTIVE COAT	SQ YD	935
	50400305	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SQ FT	7675
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	24410
	50800515	BAR SPLICERS	EACH	126
#	50900105	ALUMINUM RAILING, TYPE L	FOOT	263
	51500100	NAME PLATES	EACH	1
	52000110	PREFORMED JOINT STRIP SEAL	FOOT	134.0
	52200015	PERMANENT SHEET PILING	SQ FT	4962
	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	6
	58700300	CONCRETE SEALER	SQ FT	534
	59000200	EPOXY CRACK INJECTION	FOOT	85
	60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	1
•	60255500	MANHOLES TO BE ADJUSTED	EACH	1

• SPECIAL PROVISION # SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 1 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	4
		CONTRACT NO: 61F73		
	ILLINOIS			

		CODE NO.	ITEM	UNIT	TOTAL QUANTITY
	•	60257900	MANHOLES TO BE RECONSTRUCTED	EACH	1
	•	60259100	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	1
	•	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	1
	•	60266600	VALVE BOXES TO BE ADJUSTED	EACH	1
		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	27.5
		60605900	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12	FOOT	39.0
#	•	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	5
#	•	66900530	SOIL DISPOSAL ANALYSIS	EACH	1
#	•	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1
#	•	66901002	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DA	100
#	•	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1
		67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	6
		67100100	MOBILIZATION	L SUM	1
		70107025	CHANGEABLE MESSAGE SIGN	CAL DA	360
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	490
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	195
	•	70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	7525
	•	70300906	PAVEMENT MARKING TAPE, TYPE IV 6"	FOOT	476
		70400100	TEMPORARY CONCRETE BARRIER	FOOT	275
		70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	275
		70600255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2
		70600322	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2
#		72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	1
#		72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	5
#		72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	2
#		78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	110
#		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2506
#		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	851
#		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	18
#		78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	279
#		78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	74
#		78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	18
#		78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	52
		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	18
#	•	81028170	UNDERGROUND CONDUIT, GALVANIZED STEEL, 1" DIA.	FOOT	124
#	•	81028190	UNDERGROUND CONDUIT, GALVANIZED STEEL, 1 1/2" DIA.	FOOT	75
#	•	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	20
#	•	81028720	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA.	FOOT	56
#	•	81028730	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	33
#	•	81028740	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA.	FOOT	36
#		81100300	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., GALVANIZED STEEL	FOOT	157
#		81100500	CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., GALVANIZED STEEL	FOOT	180
#		81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	251
#	•	81200270	CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC	FOOT	854
#		81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	5
#		81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	2
#	•	81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	996
#	•	81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	2785
#		83057295	LIGHT POLE, WOOD, 50 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	2
#		83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	12
#		83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	2
#		84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	2
#		84200804	REMOVAL OF POLE FOUNDATION	EACH	1
#	•	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
#		89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	3356
#		89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1062
#		89502380	REMOVE EXISTING HANDHOLE	EACH	2
#	•	X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	676
#	•	X0325938	TEMPORARY WIRELESS INTERCONNECT, COMPLETE	L SUM	1
	•	X0326243	SEDIMENT CONTROL, SILT CURTAIN	L SUM	1

• SPECIAL PROVISION # SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 2 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	5
		CONTRACT NO: 61F73		
		ILLINOIS		

		CODE NO.	ITEM	UNIT	TOTAL QUANTITY
	•	X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	2896
#	•	X1400012	REMOVE AND REINSTALL FIBER OPTIC CABLE IN CONDUIT	FOOT	1074
	•	X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	50
#	•	X2200020	FENCE REMOVAL AND REINSTALLATION	FOOT	20
	•	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	943
	•	X5030305	CONCRETE WEARING SURFACE, 5"	SQ YD	717
	•	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	5
	•	X6060062	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12 (SPECIAL)	FOOT	371.0
	•	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
	•	X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	2533
	•	X7035104	TEMPORARY EPOXY PAVEMENT MARKING - LINE 4"	FOOT	2785
	•	X7035106	TEMPORARY EPOXY PAVEMENT MARKING - LINE 6"	FOOT	925
	•	X7035124	TEMPORARY EPOXY PAVEMENT MARKING - LINE 24"	FOOT	18
	•	X8100105	CONDUIT SPLICE	EACH	2
#	•	X8130120	RELOCATE EXISTING JUNCTION BOX	EACH	2
#	•	X8130125	REMOVE EXISTING JUNCTION BOX	EACH	3
#	•	X8210040	TEMPORARY LUMINAIRE, HIGH PRESSURE SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	2
#	•	X8430100	REMOVE EXISTING CONDUIT ATTACHED TO STRUCTURE	FOOT	465
#	•	X8440116	RELOCATE EXISTING LIGHTING UNIT, SPECIAL	EACH	2
	•	Z0001900	ASBESTOS BEARING PAD REMOVAL	EACH	34
	•	Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	300
	•	Z0013798	CONSTRUCTION LAYOUT	L SUM	1
	•	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	158
#	•	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6
#	•	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
Δ	•	Z0076600	TRAINEES	HOUR	500
Δ	•	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500

CODE NO.	ITEM	UNIT	TOTAL QUANTITY

Δ 0042

• SPECIAL PROVISION # SPECIALTY ITEM

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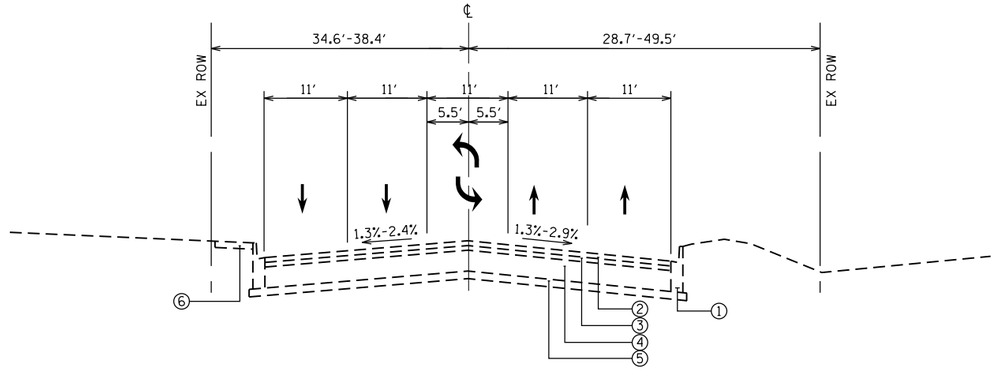
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 3 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	6
		CONTRACT NO: 61F73		
		ILLINOIS		

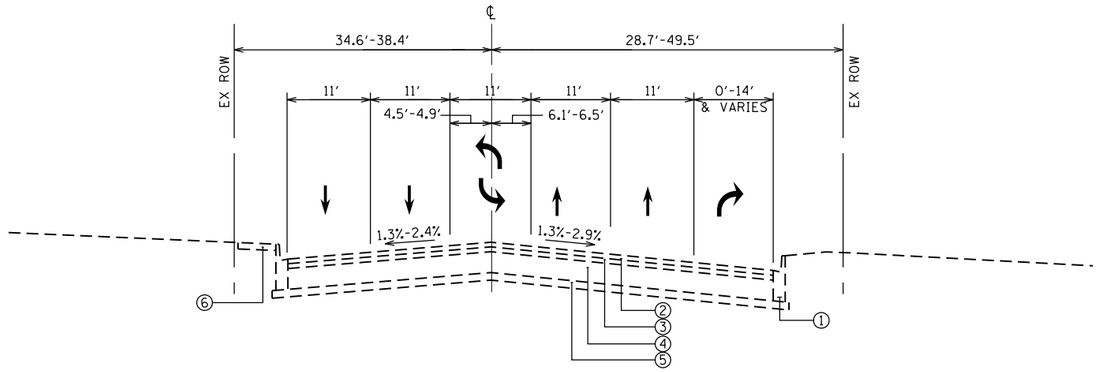


EXISTING TYPICAL SECTION

STA 85+80.90 TO STA 86+61.24, ST. CHARLES ROAD

50' WEST APPROACH SLAB OMMISSION: STA 86+61.24 TO STA 87+11.24

BRIDGE OMISSION: STA 87+11.24 TO 88+26.33



EXISTING TYPICAL SECTION

STA 88+76.33 TO STA 89+14.17, ST. CHARLES ROAD

50' EAST APPROACH SLAB OMMISSION: STA 88+26.33 TO STA 88+76.33

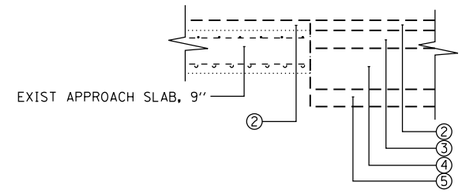
BRIDGE OMISSION: STA 87+11.24 TO 88+26.33

EXISTING LEGEND

① EXIST B-9.12 CURB & GUTTER
② EXIST HMA SURFACE COURSE, 1.5''
③ EXIST HMA BINDER COURSE, 2.5''
④ EXIST HMA BASE COURSE, 11''
⑤ EXIST SUB-BASE GRANULAR MATL, TY A, 4'' MIN
⑥ EXIST PCC SIDEWALK, 4''

NOTE

•• SEE STRUCTURAL SHEETS FOR APPROACH SLAB AND BRIDGE SECTIONS AND DETAILS.



EXISTING SECTION DETAIL
APPROACH SLAB MEETS ROADWAY PAVEMENT

STA 86+61.24
STA 88+76.33

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

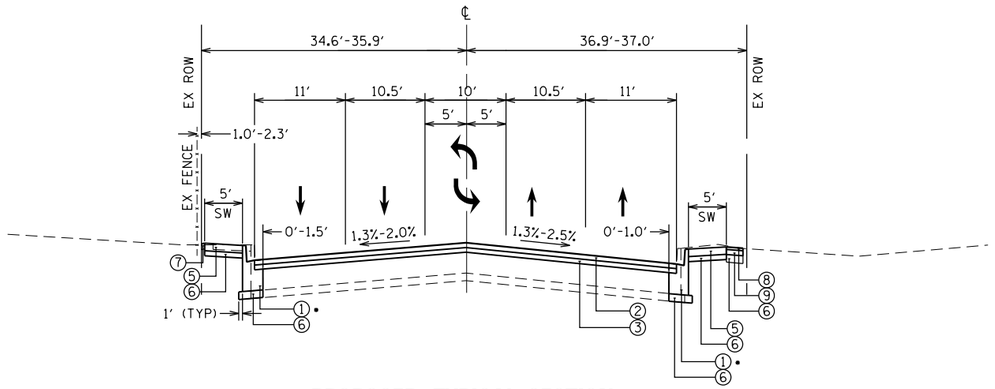
TYPICAL SECTIONS

SCALE: NONE | SHEET 1 OF 2 SHEETS | STA. 85+80.90 | TO STA. 89+14.17

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	7

CONTRACT NO: 61F73

ILLINOIS

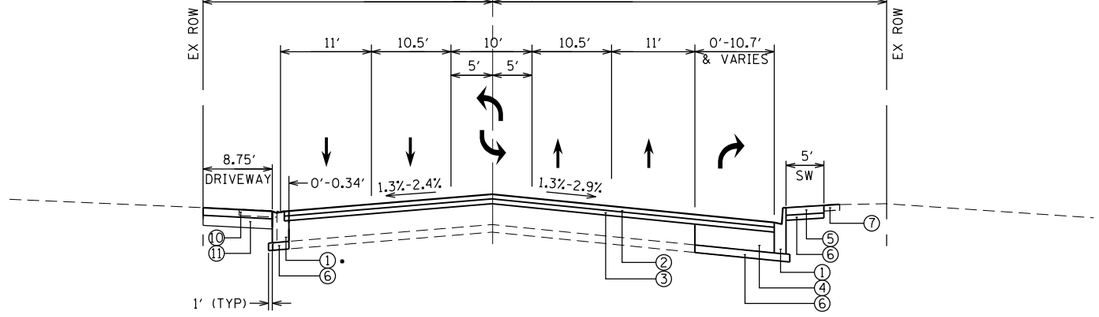


PROPOSED TYPICAL SECTION

STA 85+80.90 TO STA 86+61.24, ST. CHARLES ROAD

•• 50′ WEST APPROACH SLAB OMMISSION: STA 86+61.24 TO STA 87+11.24

•• BRIDGE OMISSION: STA 87+11.24 TO 88+26.33



PROPOSED TYPICAL SECTION

STA 88+76.33 TO STA 89+14.17, ST. CHARLES ROAD

•• 50′ EAST APPROACH SLAB OMMISSION: STA 88+26.33 TO STA 88+76.33

•• BRIDGE OMISSION: STA 87+11.24 TO 88+26.33

PROPOSED LEGEND

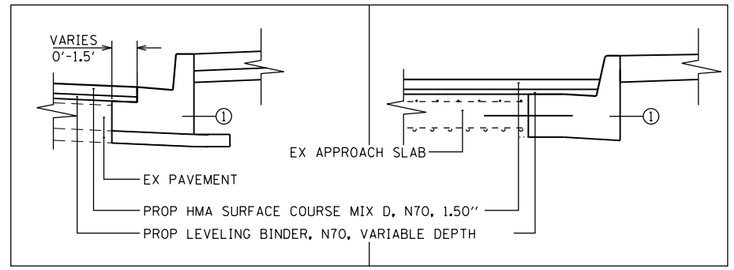
① PROP COMB. CONC. C&G, TY B-9.12 (SPECIAL)
② PROP HMA SURFACE COURSE, MIX D, N70, 1.50″
③ PROP LEVELING BINDER (MM), N70, 0.75″ (& VARIES)
④ PROP PCC BASE COURSE, 12.75″
⑤ PROP PCC SIDEWALK, 5″
⑥ PROP SUB-BASE GRANULAR MATERIAL, TY B, 4″
⑦ TOPSOIL FURNISH AND PLACE, 6″
⑧ PROP HMA SURFACE COURSE, MIX D, N50, 2″
⑨ PROP HMA BINDER COURSE, N50, 2.25″
⑩ PROP PCC DRIVEWAY PAVEMENT, 8″
⑪ PROP AGGREGATE BASE COURSE, TYPE B, 8″

NOTE

- DUE TO MINIMAL WIDENING, PROPOSED CONCRETE CURB AND GUTTER SHALL BE POURED MONOLITHICALLY WITH THE WIDENED PAVEMENT.

•• SEE STRUCTURAL SHEETS FOR APPROACH SLAB AND BRIDGE SECTIONS DETAILS.

*COMB. CONC. C&G, TY B–9.12 C&G (SPECIAL) WIDENING DETAILS



ROADWAY

STA 85+80.90 LT TO STA 86+61.24 LT
STA 86+03.47 RT TO STA 86+61.24 RT
STA 88+76.33 LT TO STA 88+14.17 LT

APPROACH SLAB

STA 86+61.24 LT/RT TO STA 87+11.24 LT/RT
STA 88+26.33 LT TO STA 88+76.33 LT
STA 88+26.33 RT TO STA 88+43.34 RT

HOT–MIX ASPHALT REQUIREMENTS

MIXTURE TYPE	VOIDS
ST. CHARLES ROAD RESURFACING AND WIDENING	
HMA SURFACE COURSE, MIX "D", N70 (IL-9.5mm), 1.50"	4% @ 70 GYR
LEVELING BINDER (MACHINE METHOD), N70 (IL-9.5mm), 0.75"	4% @ 70 GYR
PARKING LOT PAVING	
HMA SURFACE COURSE, MIX "D", N50 (IL-9.5mm), 2"	4% @ 50 GYR
HMA BINDER COURSE, N50 (IL-19.0), 2.25"	4% @ 50 GYR
ST CHARLES ROAD PATCHING CLASS D	
HMA BINDER COURSE, N70 (IL-19.0), 15"	4% @ 70 GYR

NOTE

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
3. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

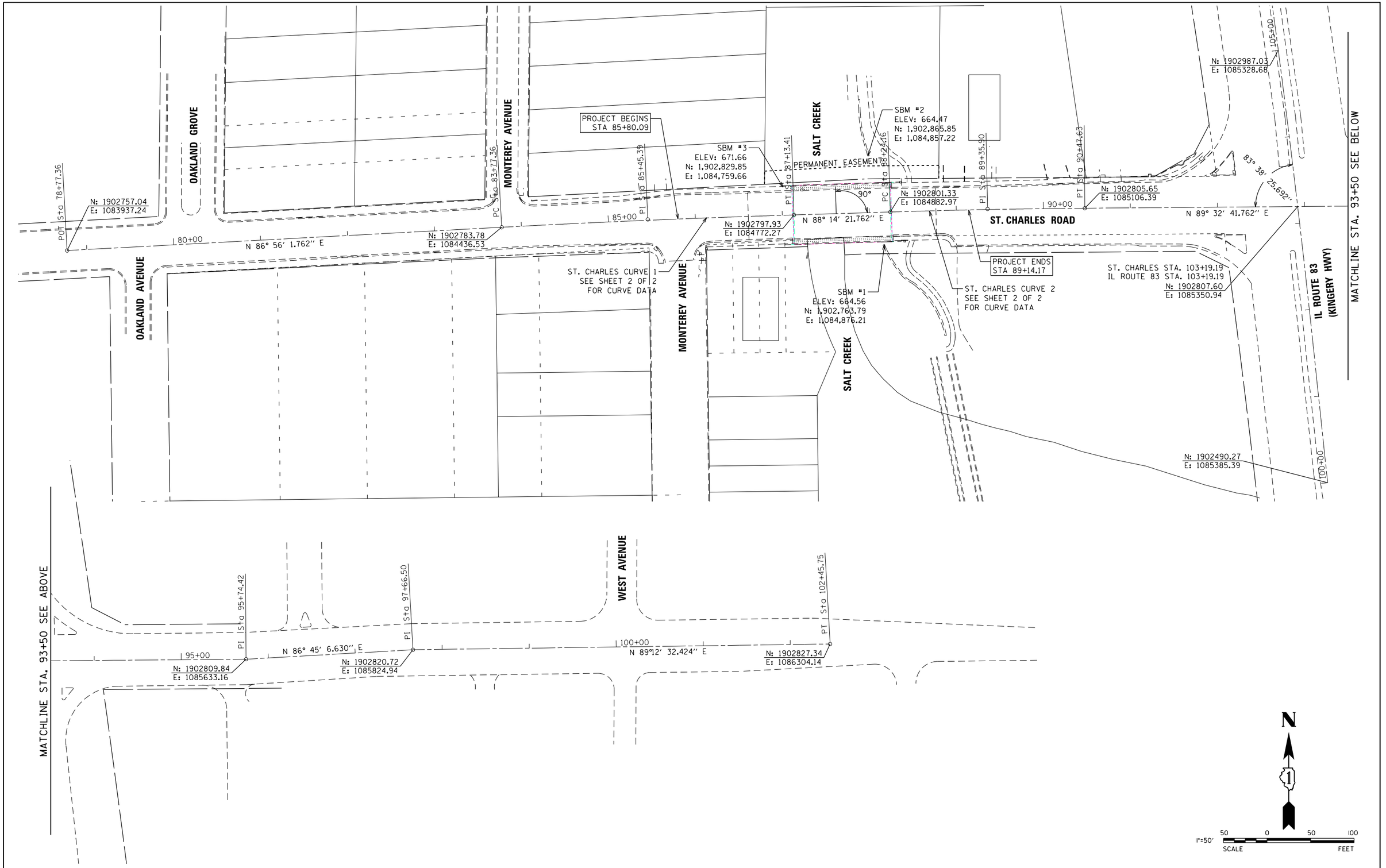
TYPICAL SECTIONS

SCALE: NONE | SHEET 2 OF 2 SHEETS | STA. 85+80.90 TO STA. 89+14.17

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	8

CONTRACT NO: 61F73

ILLINOIS



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	PLOT SCALE = 100.0000 ' / in.	CHECKED - MJR	REVISED -		
	PLOT DATE = 2/13/2019	DATE - 02/13/19	REVISED -		SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 78+00.00 TO STA. 112+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	9
		CONTRACT NO: 61F73		
	ILLINOIS			

BENCHMARKS

SOURCE:

STATION DESIGNATION: DUPAGE COUNTY 0100
ESTABLISHED BY: DUPAGE COUNTY
DATE: MARCH 2006

ELEVATION: 689.72 (PUBLISHED AND HELD)
DATUM: NAVD88
DESCRIPTION: BRASS DISK SET IN CONCRETE LOCATED AT THE NORTHEAST CORNER OF A BRIDGE FOR THE ILLINOIS PRAIRIE PATH OVER ILLINOIS ROUTE 83. STATION IS 63.0 FEET EAST OF THE EAST EDGE OF PAVEMENT OF ILLINOIS ROUTE 83 AND 8.0 FT SOUTH OF THE CENTERLINE OF THE ILLINOIS PRAIRIE PATH. MONUMENT IS A 3.5 INCH BRASS DISK ON THE TOP OF THE CONCRETE BASE OF THE NORTH HANDRAIL. MONUMENT IS 3.0 FT ABOVE GRADE.

STATION DESIGNATION: DUPAGE COUNTY YK03003
ESTABLISHED BY: DUPAGE COUNTY
DATE: UNKNOWN

ELEVATION: 671.22 (PUBLISHED AND MEASURED)
DATUM: NAVD88
DESCRIPTION: BRASS DISK IN CONCRETE LOCATED ALONG WEST AVENUE AT THE ENTRANCE TO COURTS PLUS (ELMHURST PARK DISTRICT) AND UTLEY AVENUE. STATION IS 31.0 FT NORTHWEST OF A FIRE HYDRANT, 22.0 FT WEST OF A WOODEN POWER POLE, AND 48 FT SOUTHWEST OF A CONCRETE LIGHT STANDARD. MONUMENT IS 1 FOOT BELOW GRADE.

SITE:
STATION DESIGNATION: SBM#1
ESTABLISHED BY: V3 COMPANIES
DATE: 06/08/16

ELEVATION: 664.56 (MEASURED)
DATUM: NAVD88
DESCRIPTION: CUT SQUARE ON NORTHEAST CORNER RETAINING WALL ALONG EAST SIDE OF MIXED USE PATH SOUTH OF AND BELOW ST. CHARLES ROAD BRIDGE

STATION DESIGNATION: SBM#2
ESTABLISHED BY: V3 COMPANIES
DATE: 06/08/16

ELEVATION: 664.47 (MEASURED)
DATUM: NAVD88
DESCRIPTION: CUT SQUARE ON SOUTHWEST CORNER RETAINING WALL ALONG EAST SIDE OF MIXED USE PATH NORTH OF AND BELOW ST. CHARLES ROAD BRIDGE

STATION DESIGNATION: SBM#3
ESTABLISHED BY: V3 COMPANIES
DATE: 06/08/16

ELEVATION: 671.66 (MEASURED)
DATUM: NAVD88
DESCRIPTION: BRASS DISK LOCATED ALONG 4.0 FT. NORTH OF NORTH BACK OF CURB OF ST. CHARLES ROAD AND 0.75 FT SOUTHWEST OF WEST END OF CONCRETE WALL ON BRIDGE OVER THE SALT CREEK.

BASIS OF BEARINGS

THE BASIS OF BEARINGS IS THE STATE PLANE COORDINATE SYSTEM (SPCS) NAD 83 (2007) ZONE 1201 (ILLINOIS EAST) WITH PROJECT ORIGIN AT: LATITUDE: 41-53-24.1292 N LONGITUDE: 87-57-48.8352 W ELLIPSOID HEIGHT: 560.376 GROUND SCALE FACTOR: 1.0000401564 ALL MEASUREMENTS ARE ON THE GROUND.

ST. CHARLES CURVE 1

P.I. STA. 85+45.39 N
DELTA = 0° 18′ 20.00″ (RT)
DEGREE = 0° 23′ 18.60″
TANGENT = 168.0322
LENGTH = 336.0499
RADIUS = 14,747.9300
EXTERNAL = 0.9572
LONG CHORD = 336.0426
MID. ORD. = 0.9572
P.C. STA. = 83+77.36 N
P.T. STA. = 87+13.41 N

ST. CHARLES CURVE 2

P.I. STA. = 89+35.90 N
DELTA = 1° 18′ 20.00″ (RT)
DEGREE = 0° 35′ 03.19″
TANGEN = 111.7398
LENGTH = 223.4699
RADIUS = 9,807.2300
EXTERNAL = 0.6365
LONG CHORD = 223.4651
MID. ORD. = 0.6365
P.C. STA. = 88+24.16 N
P.T. STA. = 90+47.63 N

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

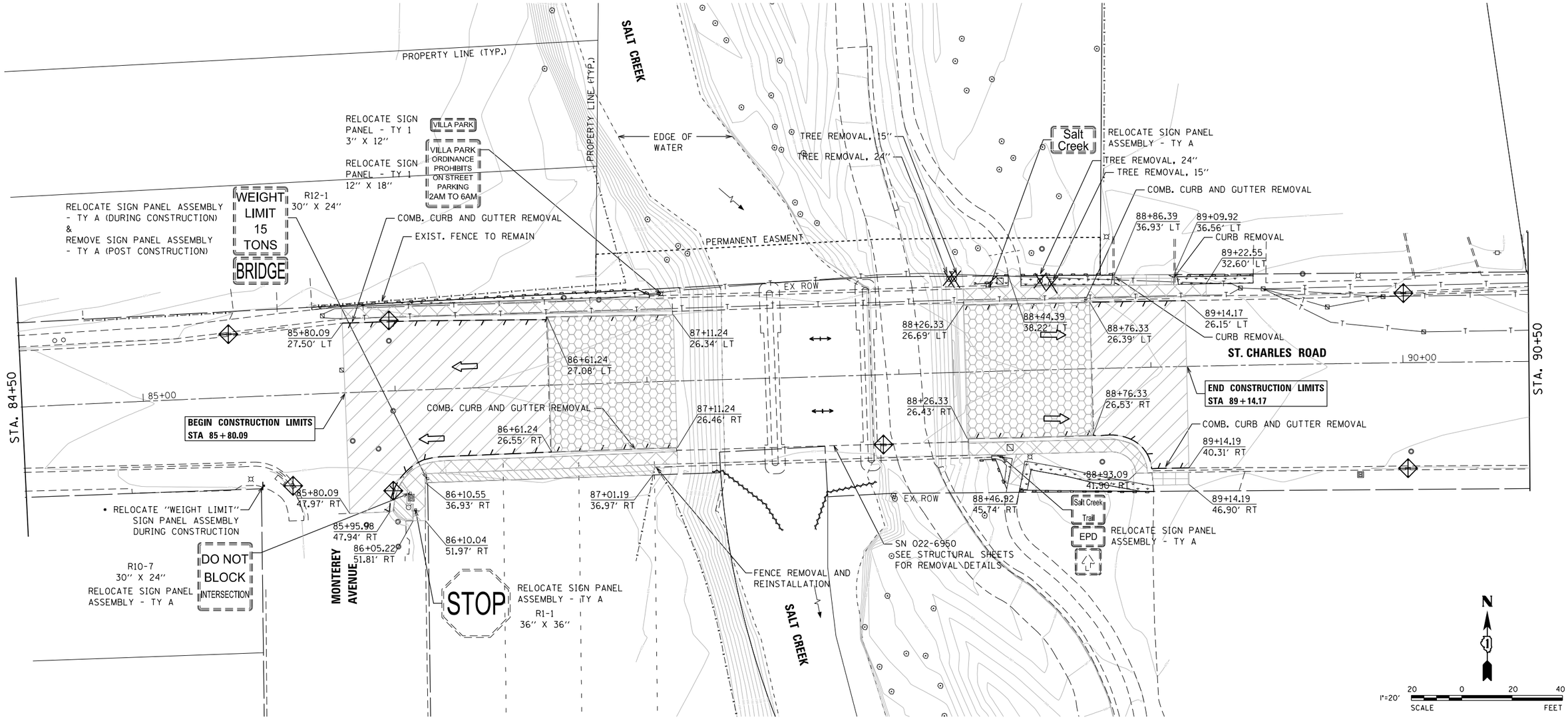
ALIGNMENT, TIES AND BENCHMARKS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	10

CONTRACT NO: 61F73

ILLINOIS



REMOVAL LEGEND

- HMA SURFACE REMOVAL, 2.25''
- HMA SURFACE REMOVAL, 1.5''
- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- LINEAR ITEM REMOVAL

• NOTE:
''WEIGHT LIMIT'' SIGN PANEL ASSEMBLY SHALL BE RELOCATED TO THE LOCATION SHOWN ON THIS SHEET DURING CONSTRUCTION. THE SIGN PANEL ASSEMBLY SHALL BE REMOVED AT THE COMPLETION OF THE BRIDGE IMPROVEMENTS.

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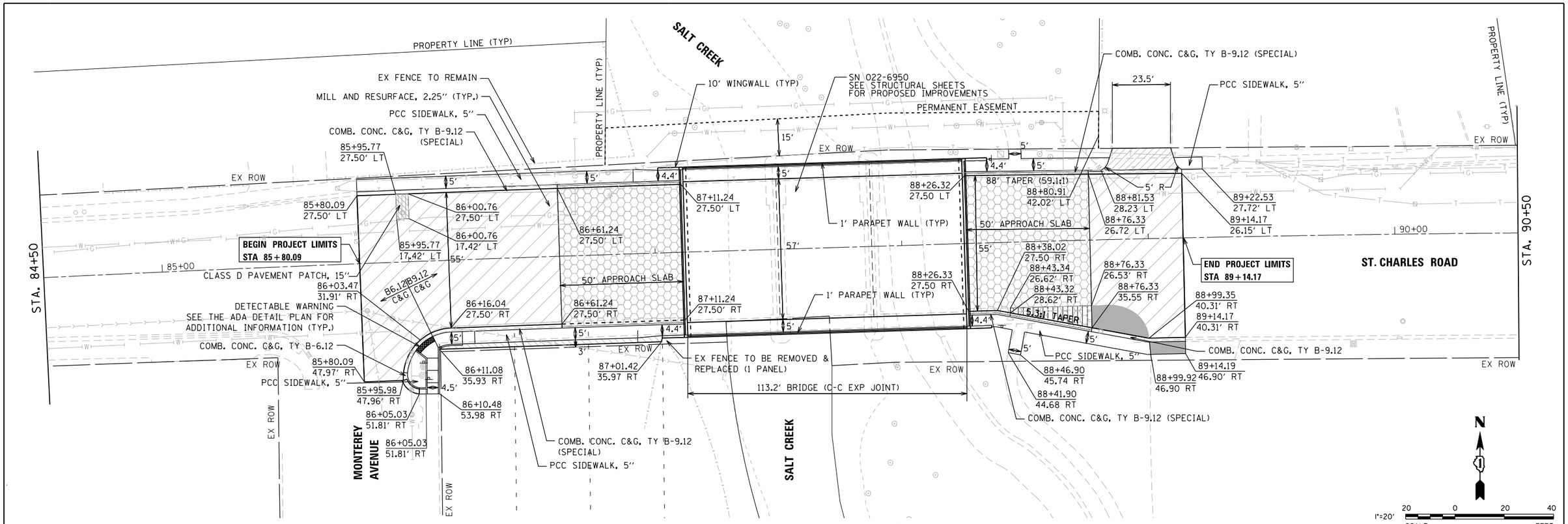
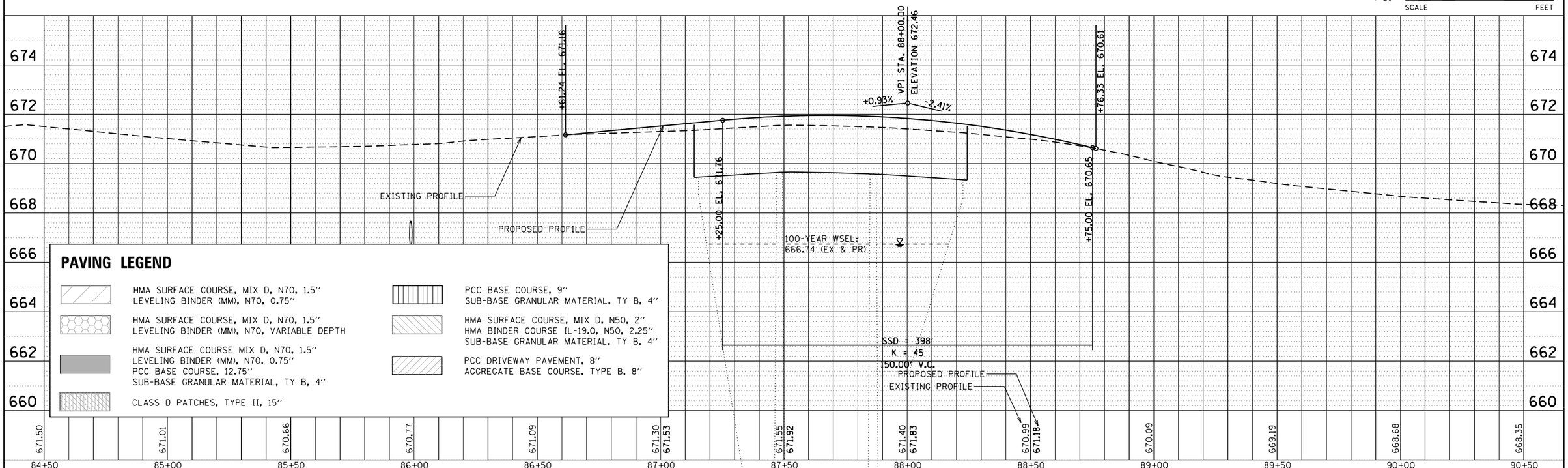
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN

SCALE: 1''=20' | SHEET 1 OF 1 SHEETS | STA. 84+50.00 TO STA. 90+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	11
		CONTRACT NO: 61F73		
	ILLINOIS			





PAVING LEGEND

- HMA SURFACE COURSE, MIX D, N70, 1.5"
  LEVELING BINDER (MM), N70, 0.75"
- HMA SURFACE COURSE, MIX D, N70, 1.5"
  LEVELING BINDER (MM), N70, VARIABLE DEPTH
- HMA SURFACE COURSE MIX D, N70, 1.5"
  LEVELING BINDER (MM), N70, 0.75"
  PCC BASE COURSE, 12.75"
  SUB-BASE GRANULAR MATERIAL, TY B, 4"
- CLASS D PATCHES, TYPE II, 15"
- PCC BASE COURSE, 9"
  SUB-BASE GRANULAR MATERIAL, TY B, 4"
- HMA SURFACE COURSE, MIX D, N50, 2"
  HMA BINDER COURSE IL-19.0, N50, 2.25"
  SUB-BASE GRANULAR MATERIAL, TY B, 4"
- PCC DRIVEWAY PAVEMENT, 8"
  AGGREGATE BASE COURSE, TYPE B, 8"

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

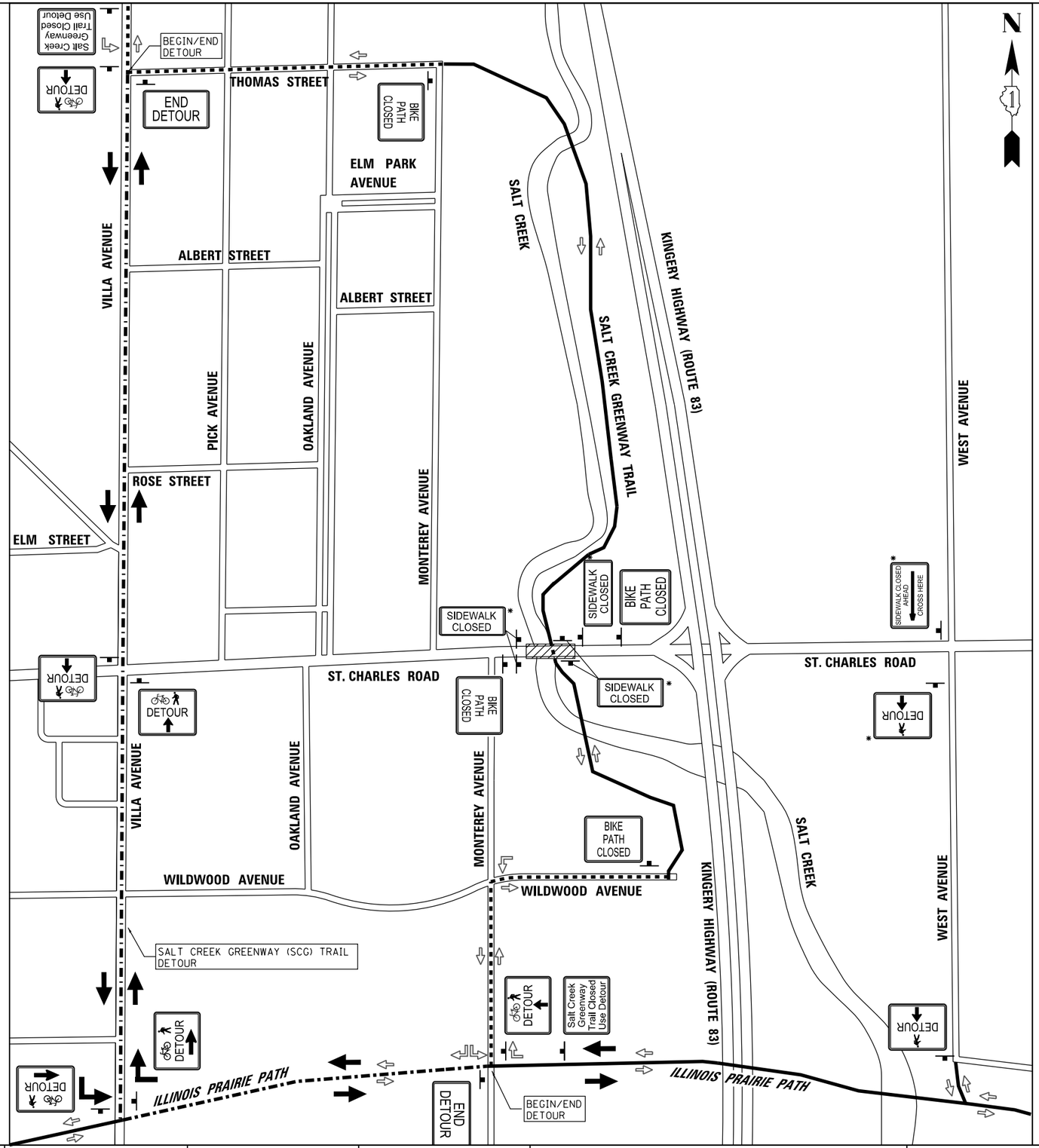
PLAN AND PROFILE

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 84+50.00 TO STA. 90+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	12

CONTRACT NO: 61F73

ILLINOIS FED. AID PROJECT



LEGEND

- ON-STREET EXIST TRAIL ROUTE
- OFF-STREET EXIST TRAIL ROUTE
- ON-STREET PROPOSED DETOUR ROUTE
- OFF-STREET PROPOSED DETOUR ROUTE
- EXIST TRAIL ROUTE
- PROP SCG TRAIL DETOUR ROUTE
- WORK ZONE

TRAIL AND SIDEWALK DETOUR NOTES:

1. DURING ALL STAGES OF CONSTRUCTION, THE SALT CREEK GREENWAY (SCG) TRAIL SHALL BE CLOSED FROM THE NORTH ACCESS AT THOMAS STREET TO THE SOUTH ACCESS AT WILDWOOD AVENUE.
2. THE PROPOSED DETOUR ROUTE FOR THE SCG TRAIL SHALL BE SIGNED TO GUIDE TRAIL USERS TO VILLA AVENUE; CONNECTING THE EXISTING ILLINOIS PRAIRIE PATH TO THE EXISTING SCG TRAIL AT VILLA AVENUE AND THOMAS STREET.
3. TEMPORARY CONSTRUCTION SIGNAGE FOR THE SCG TRAIL AND SIDEWALK DETOUR SHALL REMAIN IN PLACE DURING THE DURATION OF CONSTRUCTION. SEE THE SIDEWALK DETOUR SEQUENCE NOTES FOR THE REQUIRED SIDEWALK DETOUR SINAGE BY STAGE.

SIDEWALK DETOUR SEQUENCE NOTES:

STAGE 1:

INSTALL SIGNAGE FOR CLOSURE OF THE SIDEWALK ON THE NORTH SIDE OF ST. CHARLES ROAD, FROM THE WEST LIMIT OF CONSTRUCTION TO THE EAST LIMIT OF CONSTRUCTION FOR THE BRIDGE OVER SALT CREEK.

STAGE 2:

REMOVE SIGNAGE FOR THE CLOSURE OF THE SIDEWALK ON THE SOUTH SIDE OF ST. CHARLES ROAD.

INSTALL SIGNAGE FOR CLOSURE OF THE SIDEWALK ON THE SOUTH SIDE OF ST. CHARLES ROAD, FROM THE WEST LIMIT OF CONSTRUCTION TO THE EAST LIMIT OF CONSTRUCTION FOR THE BRIDGE OVER SALT CREEK.

*SEE SIDEWALK DETOUR SEQUENCE NOTES FOR STAGING OF SINAGE

DETOUR	CUSTOM 30x24	DETOUR	M4-9b 30x24	END DETOUR	M4-8a 24x18
BIKE PATH CLOSED	CUSTOM 30x24	SIDEWALK CLOSED	R9-9 24x12	SIDEWALK CLOSED AHEAD CROSS HERE	R9-11 24x12
DETOUR	CUSTOM 30x24	Salt Creek Greenway Trail Closed Use Detour	CUSTOM 30x24		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC
BIKE PATH AND SIDEWALK DETOUR PLAN

SCALE: NONE | SHEET 1 OF 1 SHEETS

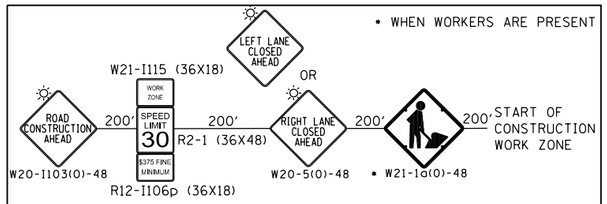
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	13
		CONTRACT NO: 61F73		
		ILLINOIS		

MAINTENANCE OF TRAFFIC GENERAL NOTES

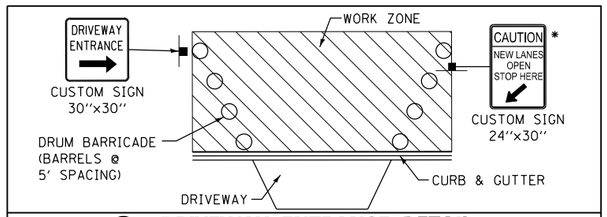
1. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES AND SIDE ROADS DURING CONSTRUCTION OPERATIONS.
2. ADVANCE WARNING SIGNS SHALL BE MAINTAINED THROUGH ALL STAGES OF CONSTRUCTION.
3. THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY CHANGE IN STAGING AT LEAST TWO (2) WORKING DAYS IN ADVANCE.
4. THE CONTRACTOR SHALL NOTIFY ALL MUNICIPALITIES, EMERGENCY SERVICES, AND SCHOOL DISTRICTS THAT WILL BE AFFECTED BY ANY ROAD CLOSURES OR DETOURS 72 HOURS PRIOR TO THEIR IMPLEMENTATION.
5. THE CONTRACTOR SHALL MAINTAIN DRAINAGE OF THE ROADWAY DURING ALL STAGES OF CONSTRUCTION.
6. THE FIRST TWO WARNING SIGNS IN EACH DIRECTION OF TRAVEL SHALL BE EQUIPPED WITH HIGH-INTENSITY MONO-DIRECTIONAL AMBER FLASHING LIGHTS DURING HOURS OF DARKNESS. FLAGS ARE OPTIONAL.
7. ''WORKERS'' SIGNS SHALL ONLY BE ERECTED WHEN WORKERS ARE PRESENT. SIGNS MUST BE COVERED OR REMOVED WHEN NO WORKERS ARE PRESENT.
8. A QUANTITY FOR ''CHANGEABLE MESSAGE SIGN'' HAS BEEN INCLUDED FOR USE WHEN DIRECTED BY THE ENGINEER.
9. ''CAUTION'' TAPE OR RIBBON IS NOT TO BE USED BETWEEN BARRICADES.
10. TYPE III BARRICADES WITH TWO-WAY FLASHING LIGHTS WILL BE REQUIRED TO GUIDE TRAFFIC AWAY FROM PAVEMENT AREAS CLOSED FOR CONSTRUCTION. TYPE III BARRICADES ARE TO BE PLACED IN AS SHOWN ON THE PLANS UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT. BARRICADES ARE TO BE INCIDENTAL TO ''TRAFFIC CONTROL PROTECTION (SPECIAL)''. ALL TYPE III BARRICADES SHALL HAVE TWO (2) FLASHING AMBER LIGHTS.
11. REMOVAL OF TEMPORARY PAVEMENT MARKINGS WHERE REQUIRED SHALL BE PART OF THE DAY ITEM ''TEMPORARY PAVEMENT MARKING REMOVAL''.
12. ARROW BOARDS WILL BE REQUIRED WHEN IMPLEMENTING ALL LANE CLOSURES, AND SHALL BE CONSIDERED AS PART OF THE PAY ITEM ''TRAFFIC CONTROL AND PROTECTION, (SPECIAL)''.
13. THE COST OF SUPPLYING, ERECTING, AND MAINTAINING BARRICADES, WARNING LIGHTS, AND SHALL BECONSIDERED AS PART OF THE PAY ITEM ''TRAFFIC CONTROL AND PROTECTION (SPECIAL)''.
14. WHEN REQUIRED, TRAFFIC SIGNS SHALL BE RELOCATED FROM EACH STAGE OF CONSTRUCTION AS PART OF THE PAY ITEM ''TRAFFIC CONTROL AND PROTECTION (SPECIAL)''.

MAINTENANCE OF TRAFFIC LEGEND

- BRIDGE DECK CONSTRUCTION STAGE
- (STREET) (NAME) — STREET NAME SIGN (CUSTOM) 24'' x 36''
- TEMPORARY CONCRETE BARRIER WALL
- DRUM BARRICADE (SPACING PER STANDARDS)
- IMPACT ATTENUATOR (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
- TYPE III BARRICADE (TYP)
- ARROW BOARD
- DIRECTION OF TRAFFIC



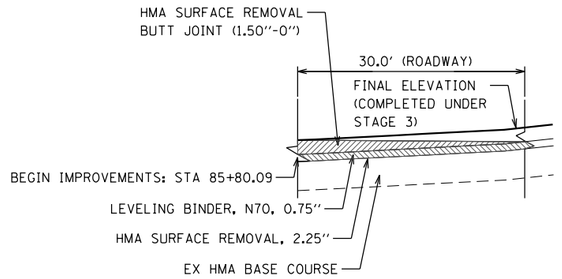
Ⓐ **ADVANCE WARNING SIGNAGE DETAIL**
N.T.S.

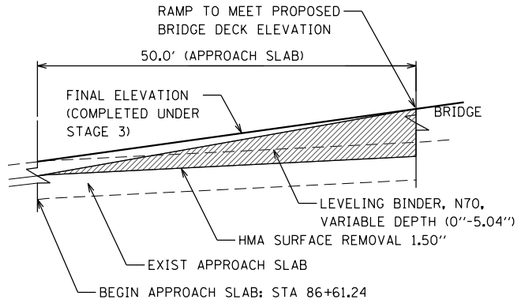


Ⓑ **DRIVEWAY ENTRANCE DETAIL**
N.T.S.

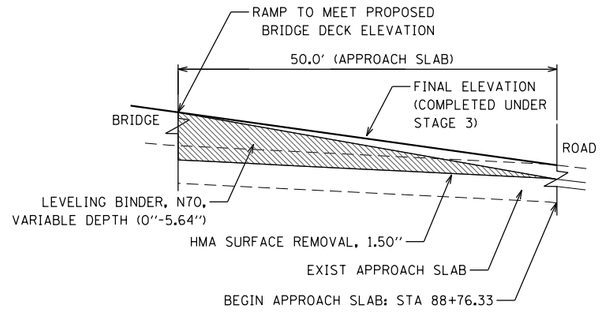
* TO BE USED IN LOCATIONS WHERE THE STOP BAR HAS BEEN RELOCATED.

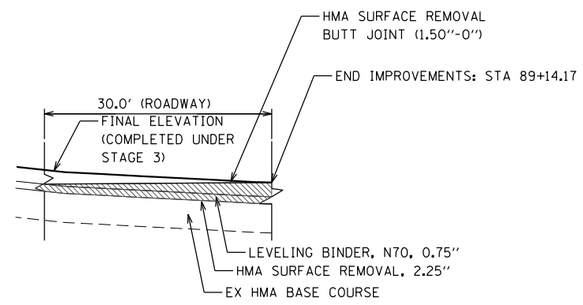
WEST OF BRIDGE





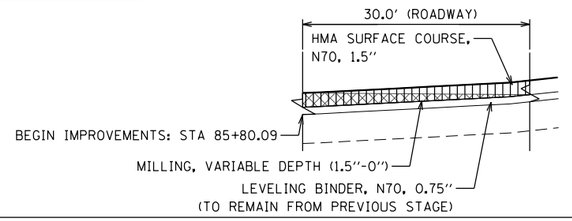
EAST OF BRIDGE

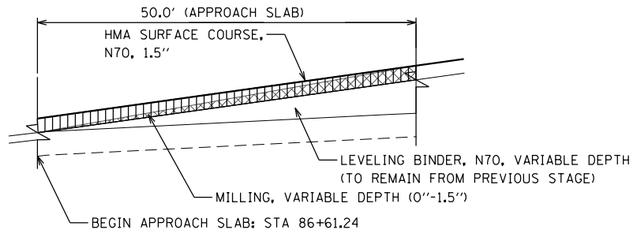




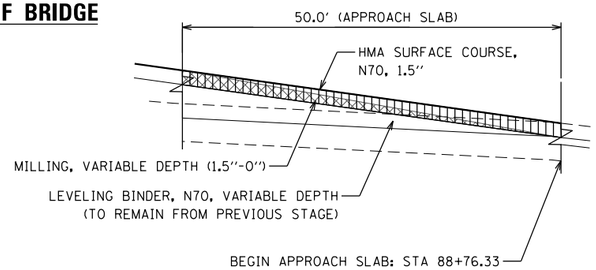
HMA RAMP DETAILS
STAGES 1 AND 2

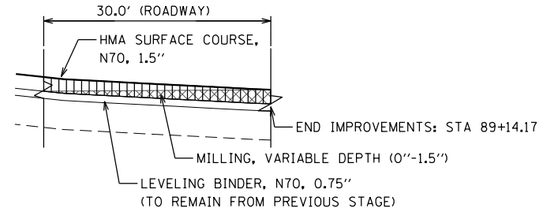
WEST OF BRIDGE





EAST OF BRIDGE





FINAL HMA SURFACE DETAILS
STAGE 3

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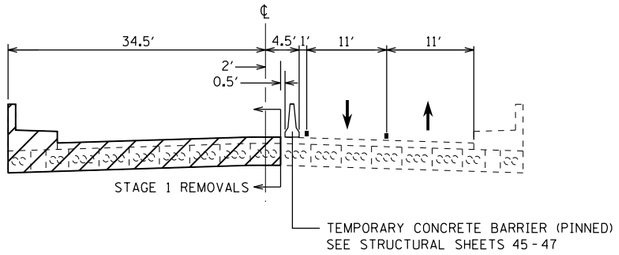
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC GENERAL NOTES

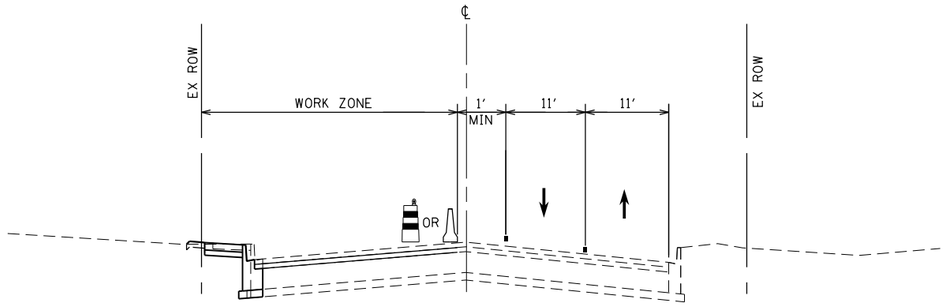
SCALE: NONE | SHEET 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	14
			CONTRACT NO: 61F73	
		ILLINOIS		



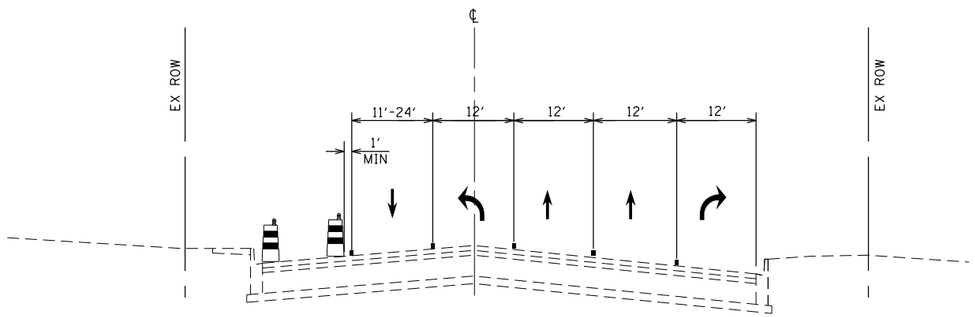
STAGE 1 TYPICAL SECTION

ST. CHARLES RD. BRIDGE SECTION



STAGE 1 TYPICAL SECTION

ST. CHARLES RD. ROADWAY SECTION
IMMEDIATELY WEST AND EAST OF BRIDGE



STAGE 1 TYPICAL SECTION

ST. CHARLES RD. ROADWAY SECTION
IMMEDIATELY WEST OF IL ROUTE 83
(SEE MOT PLANS FOR LANE SHIFTS)

ST. CHARLES ROAD PRE-STAGE NOTES (NOT SHOWN)

1. PRIOR TO STAGE 1 ALL CONFLICTING EXISTING PAVEMENT MARKING SHALL BE REMOVED AND ALL ADVANCED SIGNS, PAVEMENT MARKING TAPE, BARRICADES AND TEMPORARY CONCRETE BARRIER SHALL BE INSTALLED.

2. THE INSIDE NORTHBOUND LEFT TURN LANE ON IL ROUTE 83 (KINGERY HIGHWAY) SHALL BE CLOSED DURING STAGES 1 AND 2.

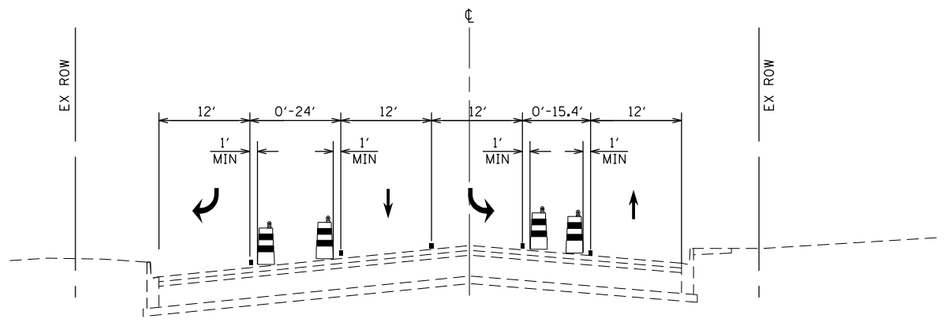
3. DAILY LANE CLOSURES MAY BE NECESSARY TO PERFORM THE ACTIVITIES UNDER PRE-STAGE. IF DAILY LANE CLOSURES ARE UTILIZED, THE CONTRACTOR SHALL FOLLOW IDOT HIGHWAY STANDARDS 701606-10 AND 701701-10.

ST. CHARLES ROAD STAGE 1 NOTES

1. UNDER STAGE 1, TRAFFIC SHALL MERGE AND BE SHIFTED TO THE EXISTING SOUTH HALF OF BRIDGE TO PROVIDE ONE TRAVEL LANE IN EACH DIRECTION ACROSS THE BRIDGE.

2. THE CONTRACTOR SHALL CONSTRUCT NORTH HALF OF SAID IMPROVEMENTS. THE WORK SHALL INCLUDE BUT IS NOT LIMITED TO MILLING, CURB AND GUTTER, SIDEWALK, DRIVEWAY IMPROVEMENTS, BRIDGE DECK, APPROACH WIDENING, SHEET PILING, WING WALLS, AND HMA SURFACE UPTO THE BINDER COURSE.

3. AT LIMITS OF ROADWAY, APPROACH SLAB, AND CONCRETE BRIDGE DECK, HMA RAMPS SHALL BE CONSTRUCTED AS SHOWN ON SHEET 14 UNDER "HMA RAMP DETAILS" WEST AND EAST OF BRIDGE.



STAGE 1 TYPICAL SECTION

ST. CHARLES RD. ROADWAY SECTION
IMMEDIATELY EAST OF IL ROUTE 83

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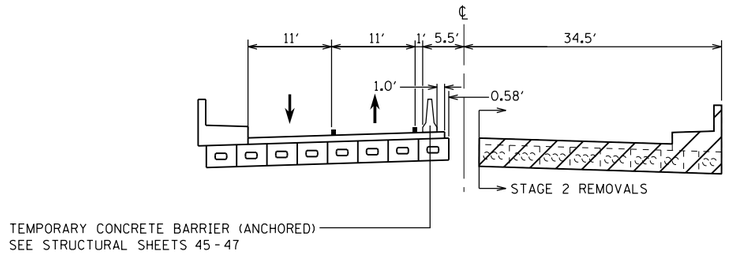
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC
STAGE 1 TYPICAL SECTIONS

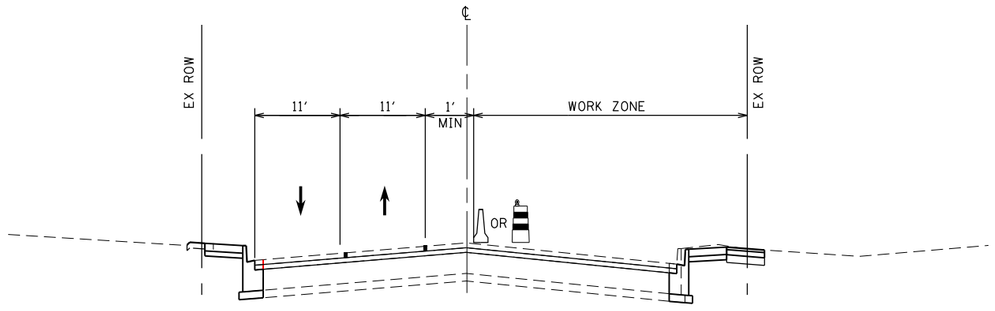
SCALE: NONE | SHEET 1 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	15
		CONTRACT NO: 61F73		
	ILLINOIS			



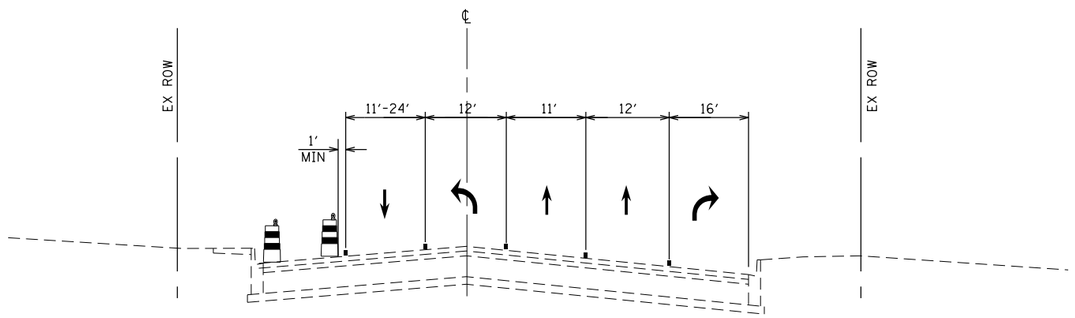
STAGE 2 TYPICAL SECTION

ST. CHARLES RD. BRIDGE SECTION



STAGE 2 TYPICAL SECTION

ST. CHARLES RD. ROADWAY SECTION IMMEDIATELY
WEST AND EAST OF BRIDGE



STAGE 2 TYPICAL SECTION

ST. CHARLES RD. ROADWAY SECTION
IMMEDIATELY WEST OF IL ROUTE 83
(SEE MOT PLANS FOR LANE SHIFTS)

ST. CHARLES ROAD STAGE 2 NOTES

1. PRIOR TO THE START OF STAGE 2, CONTRACTOR SHALL REMOVE ALL PAVEMENT MARKING AND RAISED REFLECTORS THAT ARE IN CONFLICT AND INSTALL THE TEMPORARY PAVEMENT MARKING TAPE FOR THE STAGE 2 CONFIGURATION. ADVANCED SIGNS, BARRICADES, AND TEMPORARY CONCRETE BARRIER SHALL BE RELOCATED.

2. TRAFFIC SHALL MERGE AND BE SHIFTED TO THE NEWLY CONSTRUCTED NORTH HALF OF THE BRIDGE TO PROVIDE ONE TRAVEL LANE IN EACH DIRECTION ACROSS THE BRIDGE.

3. THE CONTRACTOR SHALL CONSTRUCT SOUTH HALF OF SAID IMPROVEMENTS. THE WORK SHALL INCLUDE BUT IS NOT LIMITED TO MILLING, CURB AND GUTTER, SIDEWALK, DRIVEWAY IMPROVEMENTS, BRIDGE DECK, APPROACH WIDENING, SHEET PILING, WING WALLS, AND HMA SURFACE UP TO THE BINDER COURSE.

4. AT LIMITS OF ROADWAY, APPROACH SLAB, AND CONCRETE BRIDGE DECK, HMA RAMPS SHALL BE CONSTRUCTED AS SHOWN ON SHEET 14 UNDER "HMA RAMP DETAILS" WEST AND EAST OF BRIDGE.

5. DAILY LANE CLOSURES MAY BE NECESSARY TO PERFORM THE ACTIVITIES THIS STAGE. IF DAILY LANE CLOSURES ARE UTILIZED, THE CONTRACTOR SHALL FOLLOW IDOT HIGHWAY STANDARD 701606-10 AND 701701-10.

ST. CHARLES ROAD STAGE 3 NOTES (NOT SHOWN)

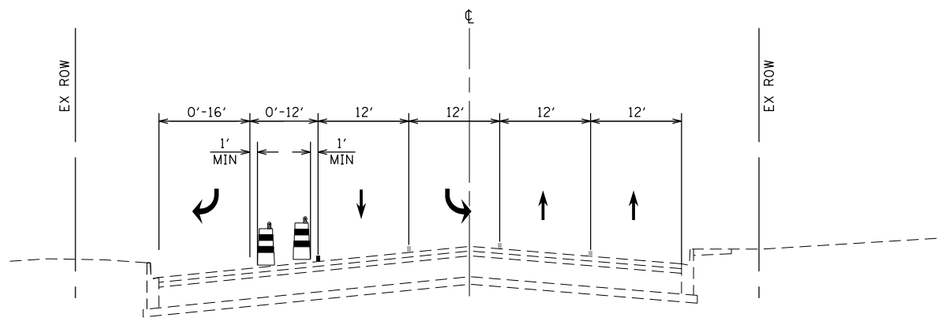
1. DAILY LANE CLOSURES MAY BE NECESSARY TO PERFORM THE ACTIVITIES UNDER THIS STAGE. IF DAILY LANE CLOSURES ARE UTILIZED, THE CONTRACTOR SHALL FOLLOW IDOT HIGHWAY STANDARD 701606-10.

2. ALL TEMPORARY PAVEMENT MARKING TAPE, BARRICADES AND TEMPORARY CONCRETE BARRIER SHALL BE REMOVED.

3. DURING STAGE 3, THE HMA RAMPS SHALL BE MILLED (VARIABLE DEPTH) TO INSTALL HMA SURFACE COURSE, MIX "D", N70, 1.50". SEE "FINAL HMA SURFACE DETAILS" ON SHEET 14 .

4. THE CONTRACTOR SHALL COMPLETE ANY REMAINING LANDSCAPING AND/OR SIDEWALK WORK PRIOR TO HMA SURFACE COURSE PLACEMENT.

5. THE CONTRACTOR SHALL INSTALL FINAL PAVEMENT MARKINGS PER PLAN.



STAGE 2 TYPICAL SECTION

ST. CHARLES RD. ROADWAY SECTION
IMMEDIATELY EAST OF IL ROUTE 83

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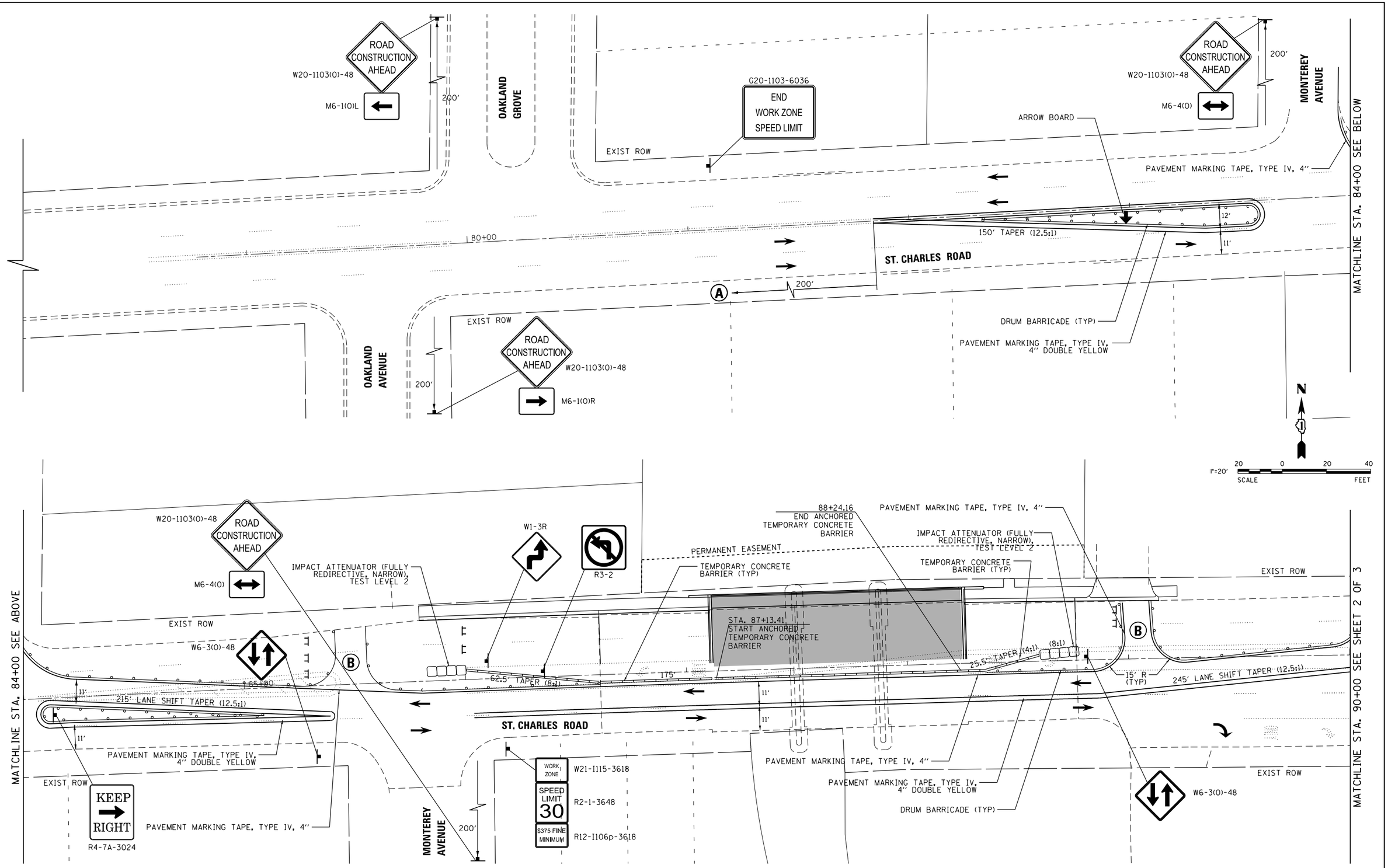
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC
STAGE 2 TYPICAL SECTIONS

SCALE: NONE | SHEET 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	16
		CONTRACT NO: 61F73		
	ILLINOIS			



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

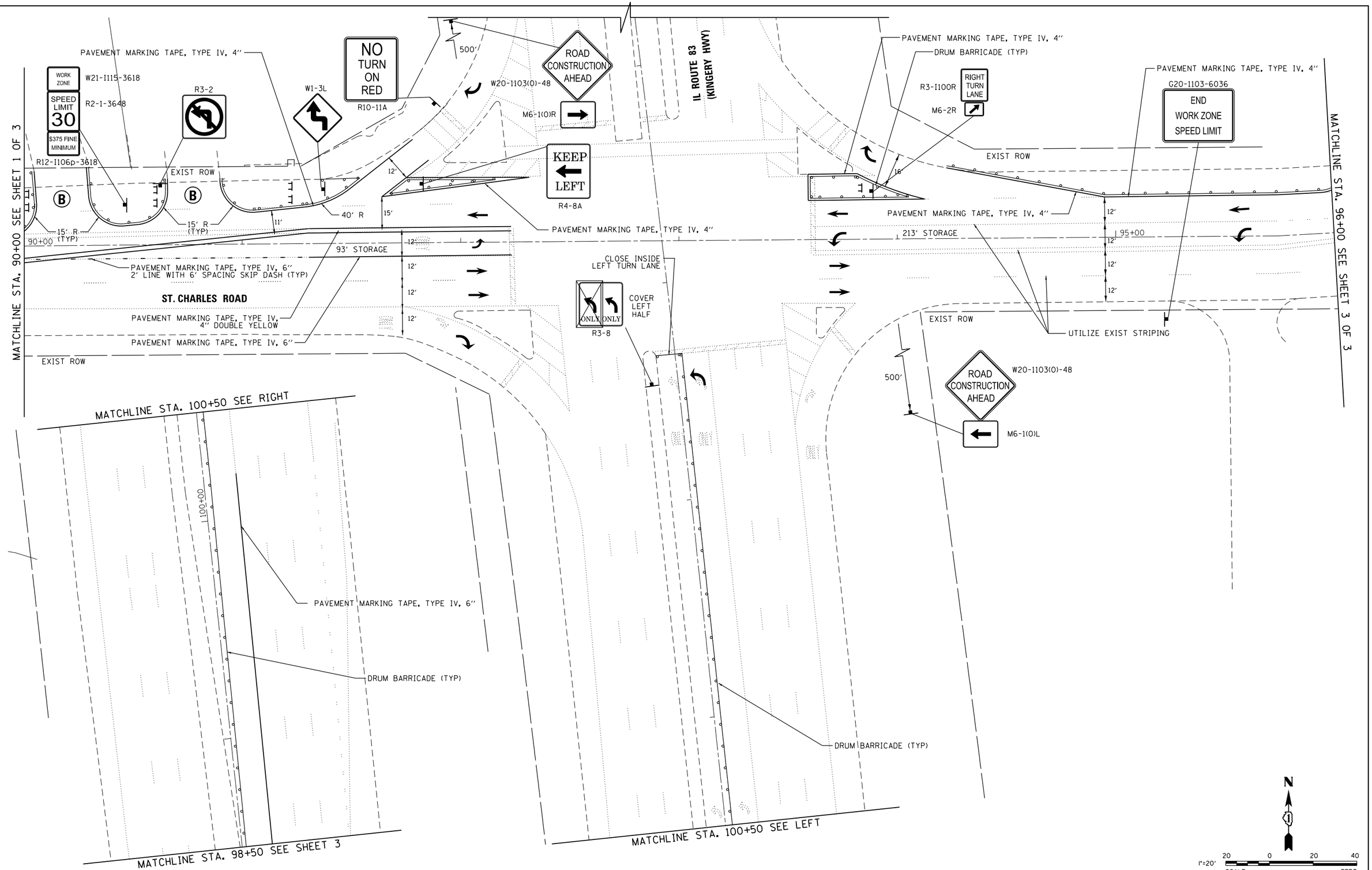
SUGGESTED MAINTENANCE OF TRAFFIC
STAGE 1 PLAN

SCALE: 1″=20′ | SHEET 1 OF 3 SHEETS | STA. 78+00.00 | TO STA. 90+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	17

CONTRACT NO: 61F73

ILLINOIS



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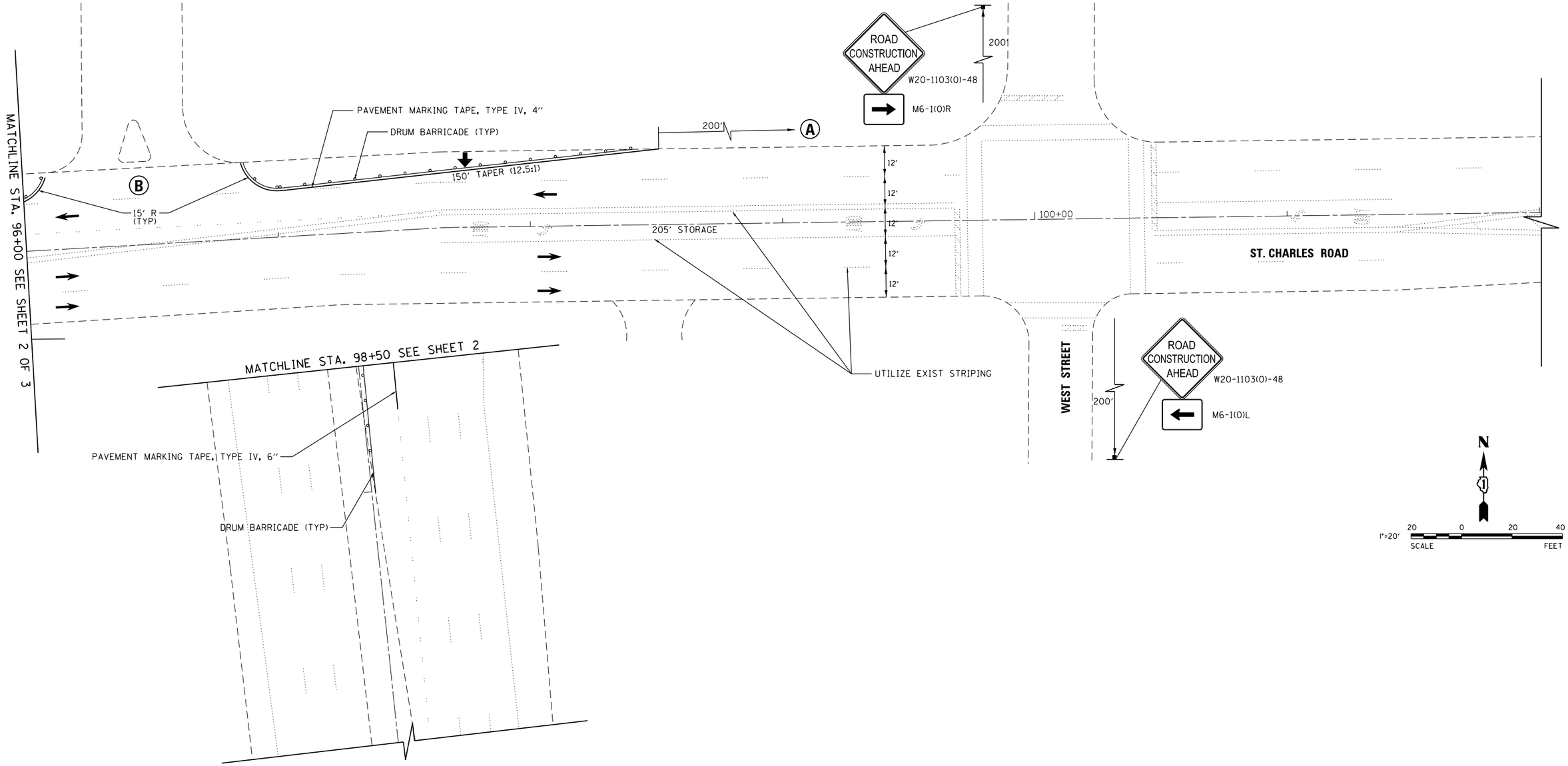
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC
STAGE 1 PLAN

SCALE: 1''=20' | SHEET 2 OF 3 SHEETS | STA. 90+00.00 TO STA. 96+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	18

CONTRACT NO: 61F73
ILLINOIS



V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
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630.724.9202 fax
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USER NAME = cfigus	DESIGNED - EIH	REVISED -
	DRAWN - EIH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MJR	REVISED -
PLOT DATE = 2/13/2019	DATE - 02/13/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

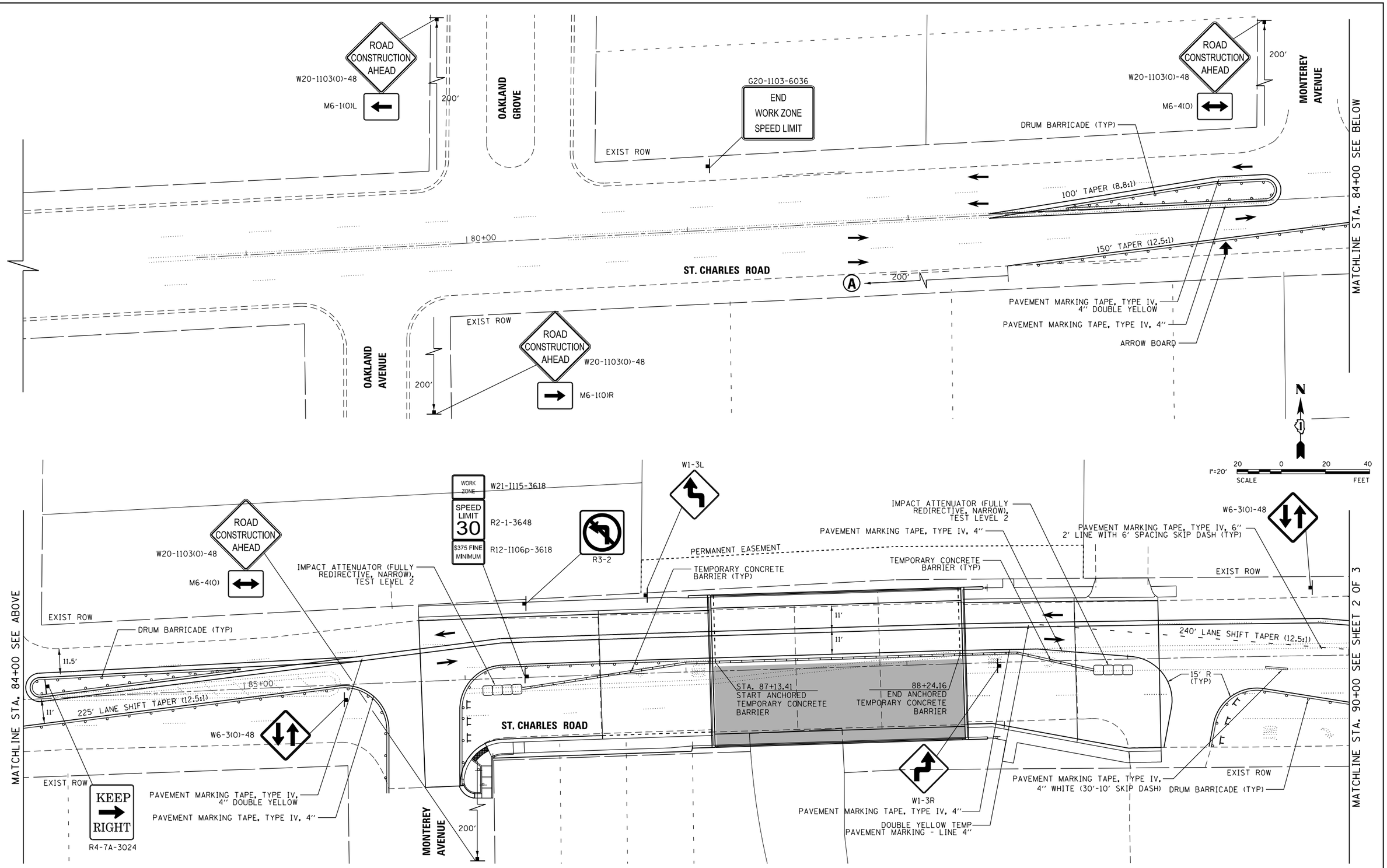
SUGGESTED MAINTENANCE OF TRAFFIC
STAGE 1 PLAN

SCALE: 1"=20' | SHEET 3 OF 3 SHEETS | STA. 96+00.00 TO STA. 102+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	19

CONTRACT NO: 61F73

ILLINOIS



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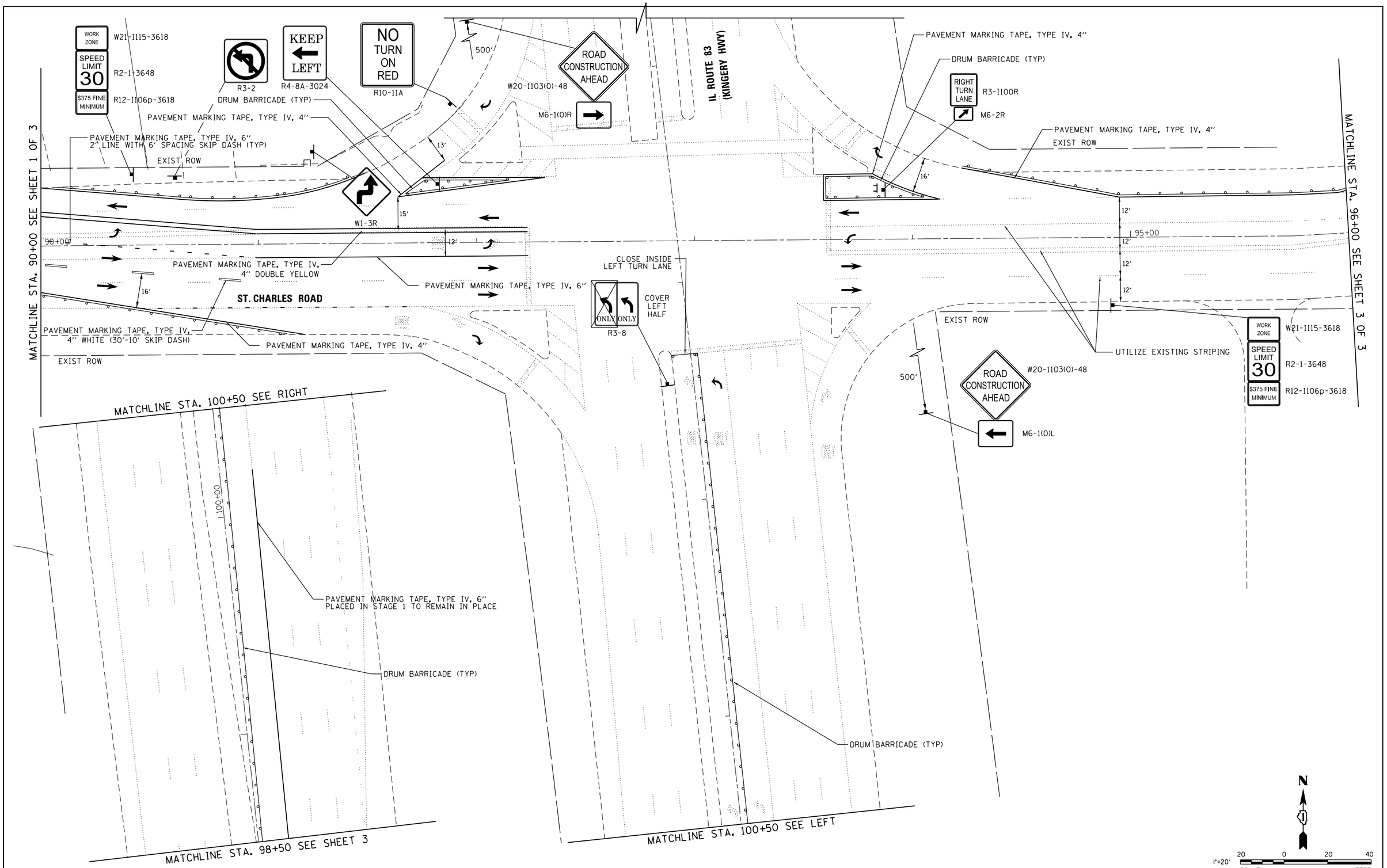
PLOT DATE = 2/22/2019	DATE - 02/13/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC
STAGE 2 PLAN

SCALE: 1"=20' | SHEET 1 OF 3 SHEETS | STA. 78+00.00 | TO STA. 90+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	20
		CONTRACT NO: 61F73		
	ILLINOIS			



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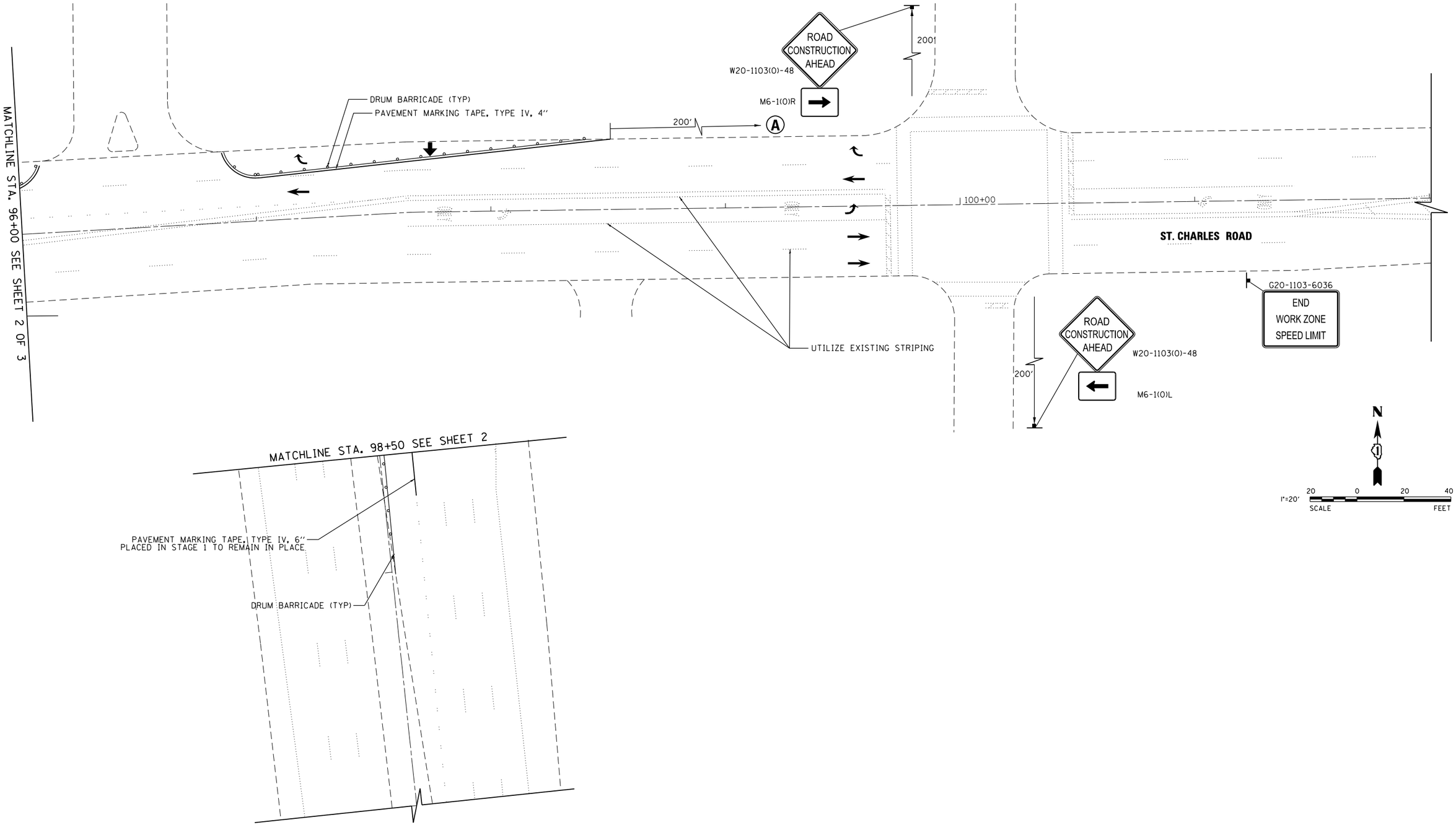
PLOT DATE = 2/15/2019	DATE - 02/13/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC
STAGE 2 PLAN

SCALE: 1"=20' | SHEET 2 OF 3 SHEETS | STA. 90+00.00 TO STA. 96+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	21
		CONTRACT NO: 61F73		
	ILLINOIS			



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PLOT DATE = 2/13/2019	DATE - 02/13/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

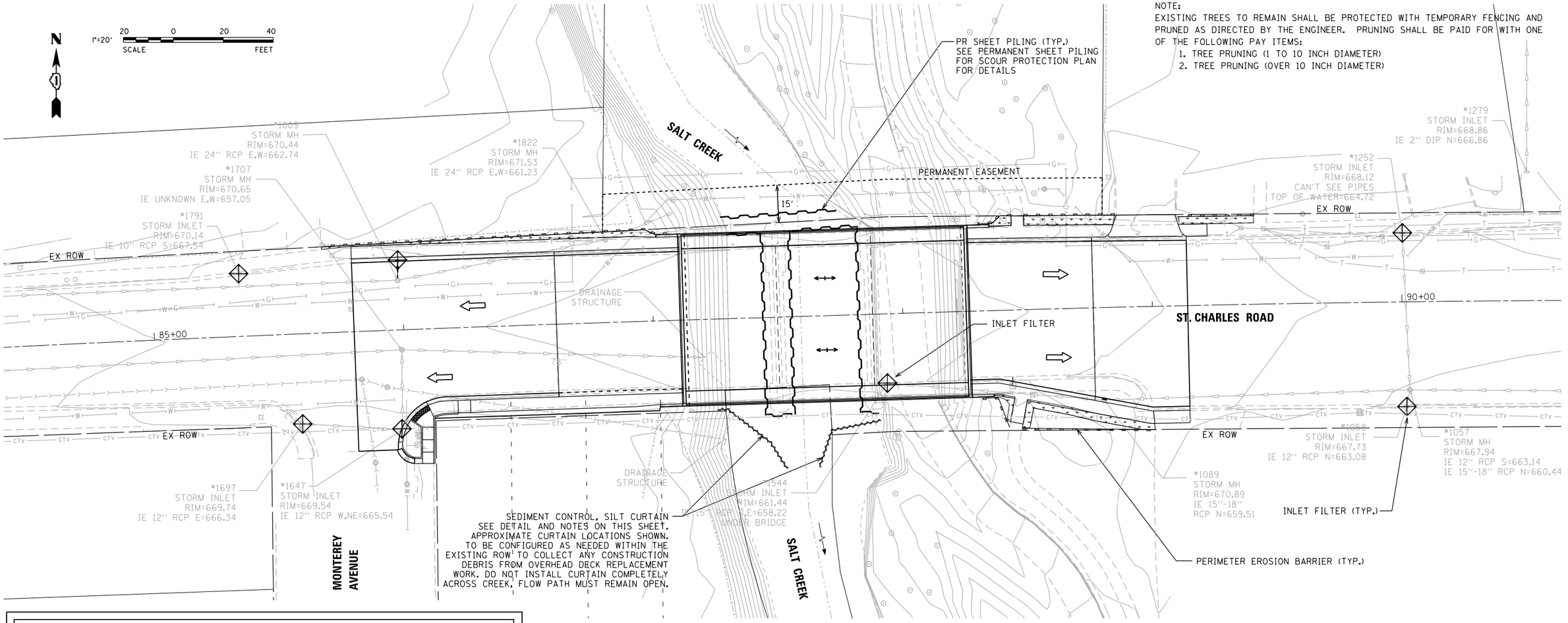
SUGGESTED MAINTENANCE OF TRAFFIC
STAGE 2 PLAN

SCALE: 1"=20' | SHEET 3 OF 3 SHEETS | STA. 96+00.00 TO STA. 102+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	22

CONTRACT NO: 61F73

ILLINOIS



EROSION CONTROL & LANDSCAPING LEGEND

- INLET FILTER BASKET
- SUMMIT
- SHEET FLOW
- CREEK FLOW DIRECTION
- SHEET PILING
- PERIMETER EROSION BARRIER
- TEMPORARY FENCE
- SEDIMENT CONTROL SILT CURTAIN
- TOPSOIL FURNISH AND PLACE, 6" CLASS 2A SEEDING EROSION CONTROL BLANKET

SEDIMENT CONTROL SILT CURTAIN NOTES:

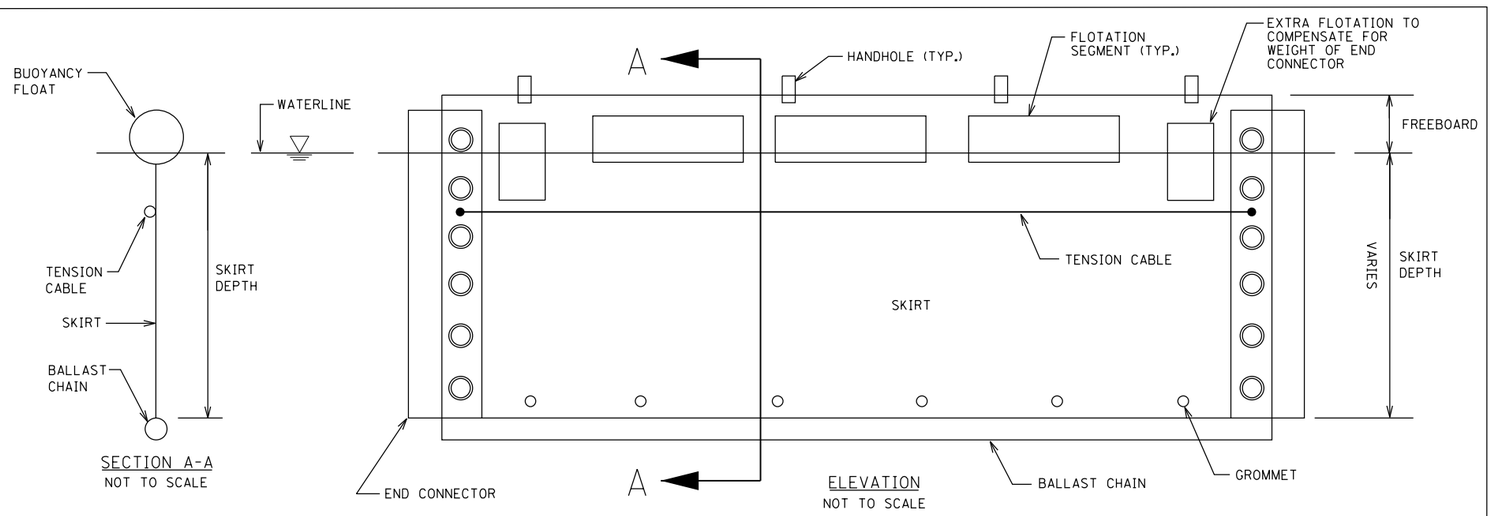
1. FLOTATION BOOM SHALL BE ANCHORED TO PREVENT DRIFT SHOREWARD OR DOWNSTREAM. ANCHORS SHALL BE INSTALLED ON BOTH SHORE AND STREAM SIDE. BOOMS ARE NOT TO BE INSTALLED ACROSS FLOWING BODY OF WATER.

2. SHORE ANCHORS SHALL CONSIST OF A POST WITH DEADMAN OR APPROVED EQUAL. STREAM ANCHORS SHALL BE OF SUFFICIENT SIZE TO STABILIZE THE BARRIER WITH NUMBER AND SPACING DEPENDENT ON WATERWAY VELOCITIES.

3. FABRIC SECTIONS SHALL BE CONNECTED END TO END WITH MINIMUM 5/8" DIAMETER POLYPROPYLENE ROPE.

4. DESIGN OF BOOM AND ANCHORAGE SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. BOTTOM OF BOOM SHALL REACH BOTTOM OF WATERWAY USING ONE OR TWO VERTICAL SECTIONS AS REQUIRED.

5. MAINTENANCE SHALL BE PERFORMED AS NEEDED. CONTRACTOR SHALL REMOVE THE BOOM AT COMPLETION OF WORK IN A MANNER THAT WILL PREVENT SILTATION OF THE WATERWAY.



SEDIMENT CONTROL SILT CURTAIN DETAIL

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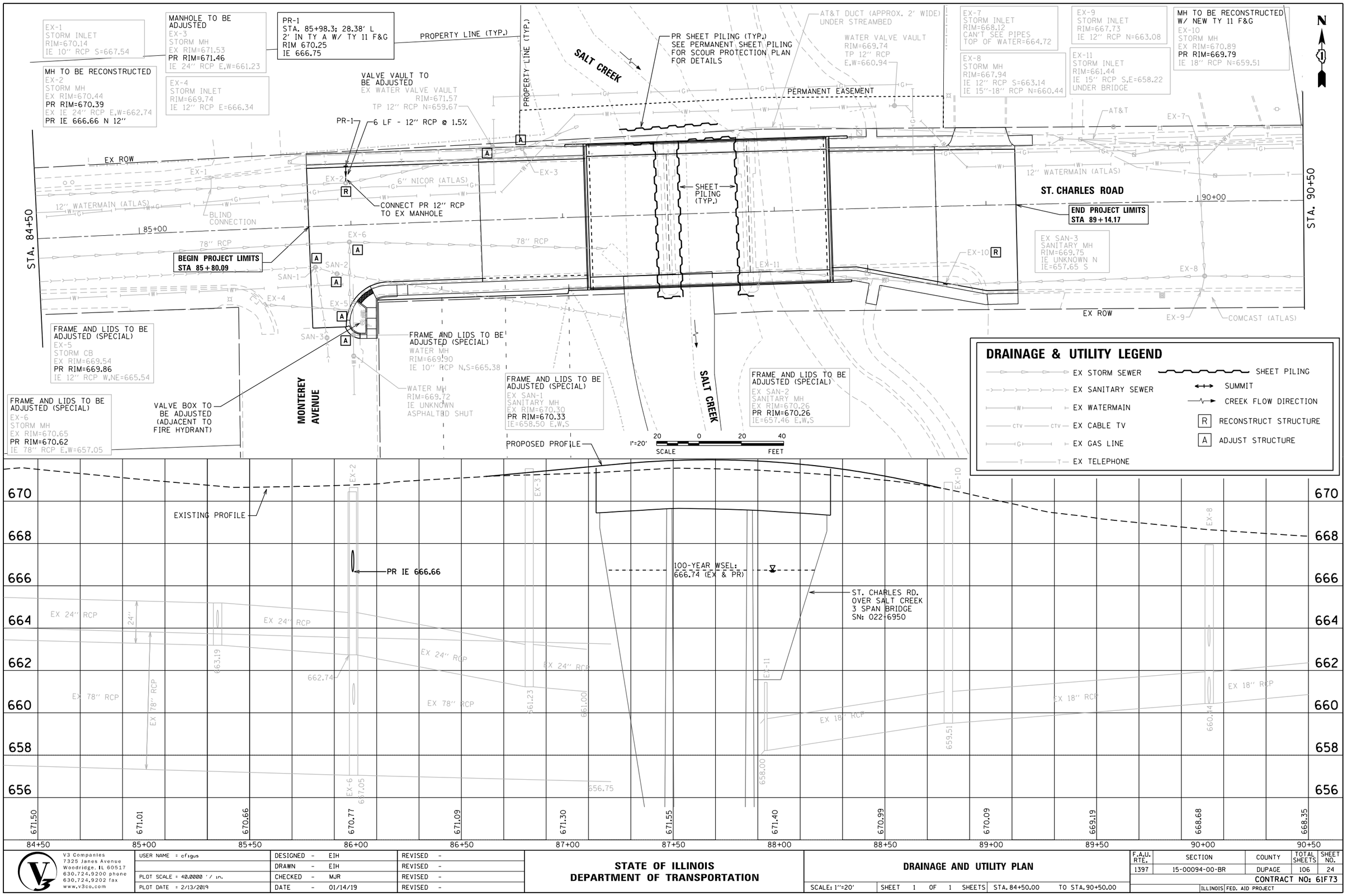
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL AND LANDSCAPING PLAN

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 84+50.00 | TO STA. 90+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	23
		CONTRACT NO: 61F73		
	ILLINOIS			



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN

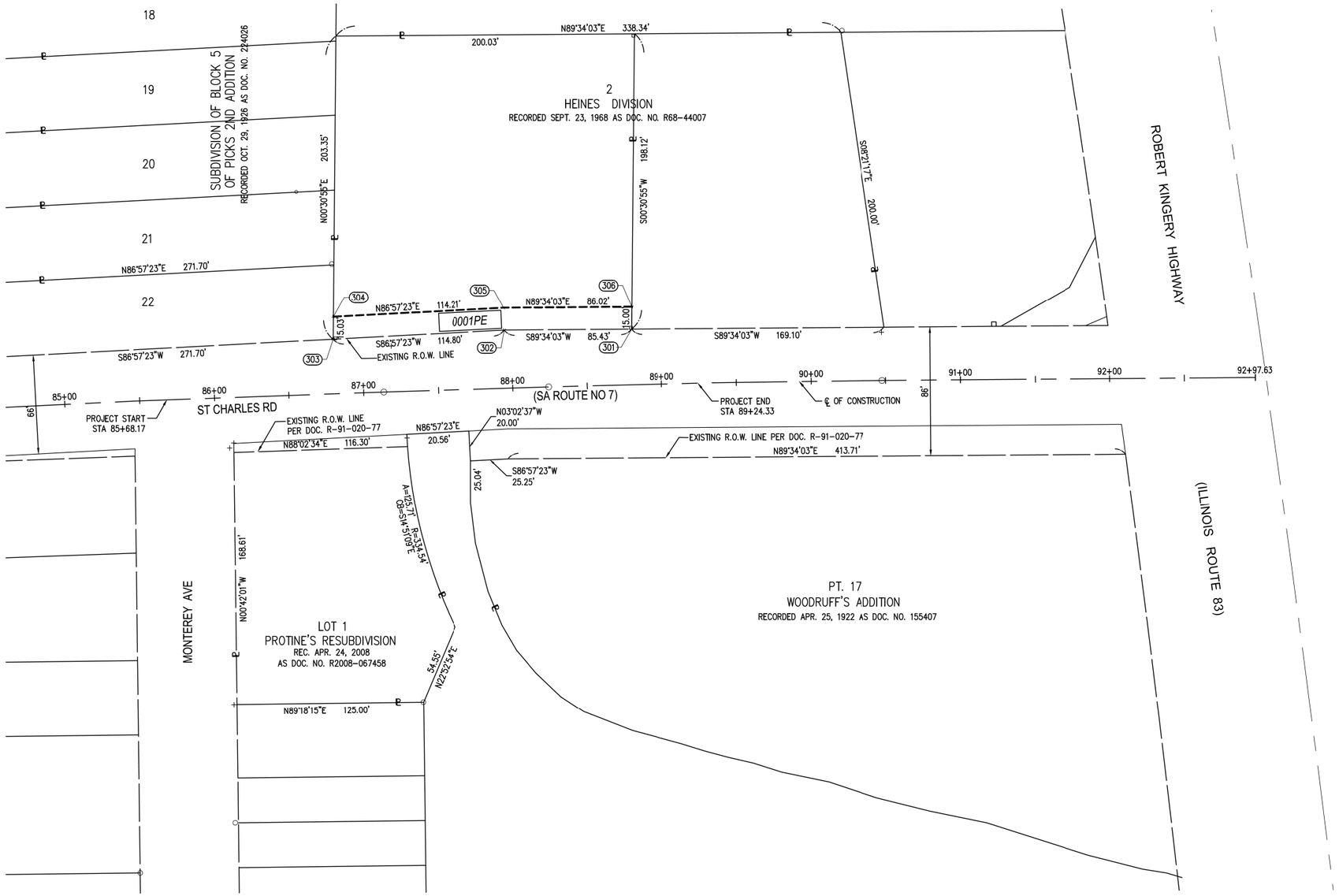
SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 84+50.00 TO STA. 90+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	24

CONTRACT NO: 61F73

ILLINOIS | FED. AID PROJECT

PART OF THE SE QUARTER OF SECTION 3 AND THE NE QUARTER OF SECTION 10, TWP 39 N., R. 11 E. OF THE 3RD P.M., IN DUPAGE COUNTY, ILLINOIS.



LEGEND

SECTION CORNER

QUARTER SECTION CORNER

SECTION / QUARTER SECTION LINE
PLATTED LOT LINES
PROPERTY (DEED) LINE
APL APPARENT PROPERTY LINE
EXISTING CENTERLINE
PROPOSED CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
AC EXISTING ACCESS CONTROL LINE
AC PROPOSED ACCESS CONTROL LINE
129.32' MEASURED DIMENSION
129.32' (COMP) COMPUTED DIMENSION
(129.32') RECORDED DIMENSION
EXISTING BUILDING

N

GRAPHIC SCALE FEET 0 40

SCALE: 1"= 40'

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5 / 8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

NOTES:
ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

COORDINATES, BEARINGS, & DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99995426.

AREAS SHOWN ON THIS PLAT ARE "GROUND".

STATE OF ILLINOIS)
) SS
COUNTY OF DUPAGE)

THIS IS TO CERTIFY THAT WE, V3 COMPANIES OF ILLINOIS, LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, 184000902, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 23, TOWNSHIP 38 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT WOODRIDGE, ILLINOIS THIS 25TH DAY OF JANUARY, 2019 A.D.

CHARLES W. BARTOSZ
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3188
MY LICENSE EXPIRES ON NOVEMBER 30, 2020.
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

CHARLES W. BARTOSZ 3188 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS WOODRIDGE, ILLINOIS

Engineers
Scientists
Surveyors

7325 Janes Avenue, Suite 100
Woodridge, IL 60517
630.724.9200 voice
630.724.0384 fax
v3co.com
(V3 JN: 18259)

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
						ACRES	SQUARE FEET	
0001PE	FOREST PRESERVE DISTRICT OF DUPAGE COUNTY	0.916			0.916	0.069	3,003	06-03-415-008

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

PT. NO.	STATION	OFFSET	NORTHING	EASTING
301	88+80.70	-37.03	1902839.921	1084938.563
302	87+95.50	-38.84	1902839.276	1084853.132
303	86+80.81	-36.31	1902845.251	1084982.263
304	86+81.44	-51.32	1902848.209	1084738.629
305	87+95.51	-53.84	1902854.273	1084852.677
306	88+81.21	-52.02	1902854.922	1084938.698

REVISION DATE: 01/25/2019 REVISION MADE BY: MLP
REVISION DATE: 01/16/2019 REVISION MADE BY: MLP

PLAT OF HIGHWAYS

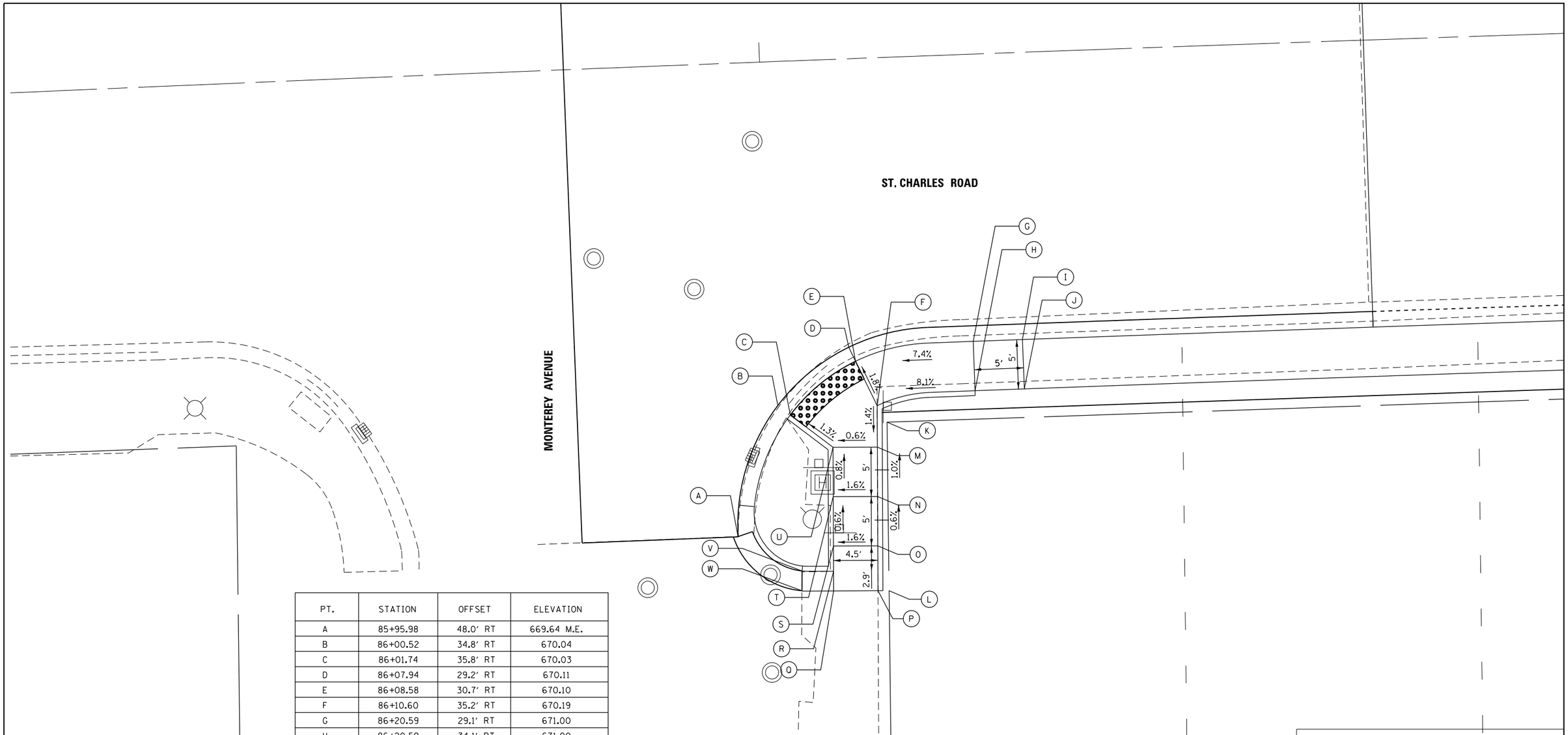
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAU ROUTE 1397 (ST. CHARLES ROAD)

CONTRACT NO: 61F73

IDOT USE ONLY

LIMITS: BETWEEN MONTEREY AVE & KINGERY HWY COUNTY: DUPAGE
SECTION: 15-00094-00-BR JOB NO.: R-91-005-18
STA. 85+68.17 TO STA. 89+24.33
SCALE: 1"= 40' SHEET 25 OF 106 SHEETS

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



PT.	STATION	OFFSET	ELEVATION
A	85+95.98	48.0' RT	669.64 M.E.
B	86+00.52	34.8' RT	670.04
C	86+01.74	35.8' RT	670.03
D	86+07.94	29.2' RT	670.11
E	86+08.58	30.7' RT	670.10
F	86+10.60	35.2' RT	670.19
G	86+20.59	29.1' RT	671.00
H	86+20.59	34.1' RT	671.00
I	86+25.60	29.1' RT	671.04
J	86+25.60	34.1' RT	671.04
K	86+11.53	36.9' RT	670.83 M.E.
L	86+11.10	54.0' RT	670.56 M.E.
M	86+10.46	39.4' RT	670.13
N	86+10.30	44.4' RT	670.18
O	86+10.13	49.4' RT	670.21
P	86+09.98	54.0' RT	670.54 M.E.
Q	86+05.46	53.8' RT	670.16 M.E.
R	86+05.53	51.8' RT	670.15
S	86+05.62	49.3' RT	670.14
T	86+05.78	44.3' RT	670.11
U	86+05.95	39.3' RT	670.10
V	86+02.33	51.7' RT	670.03 M.E.
W	86+02.24	53.7' RT	669.96 M.E.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

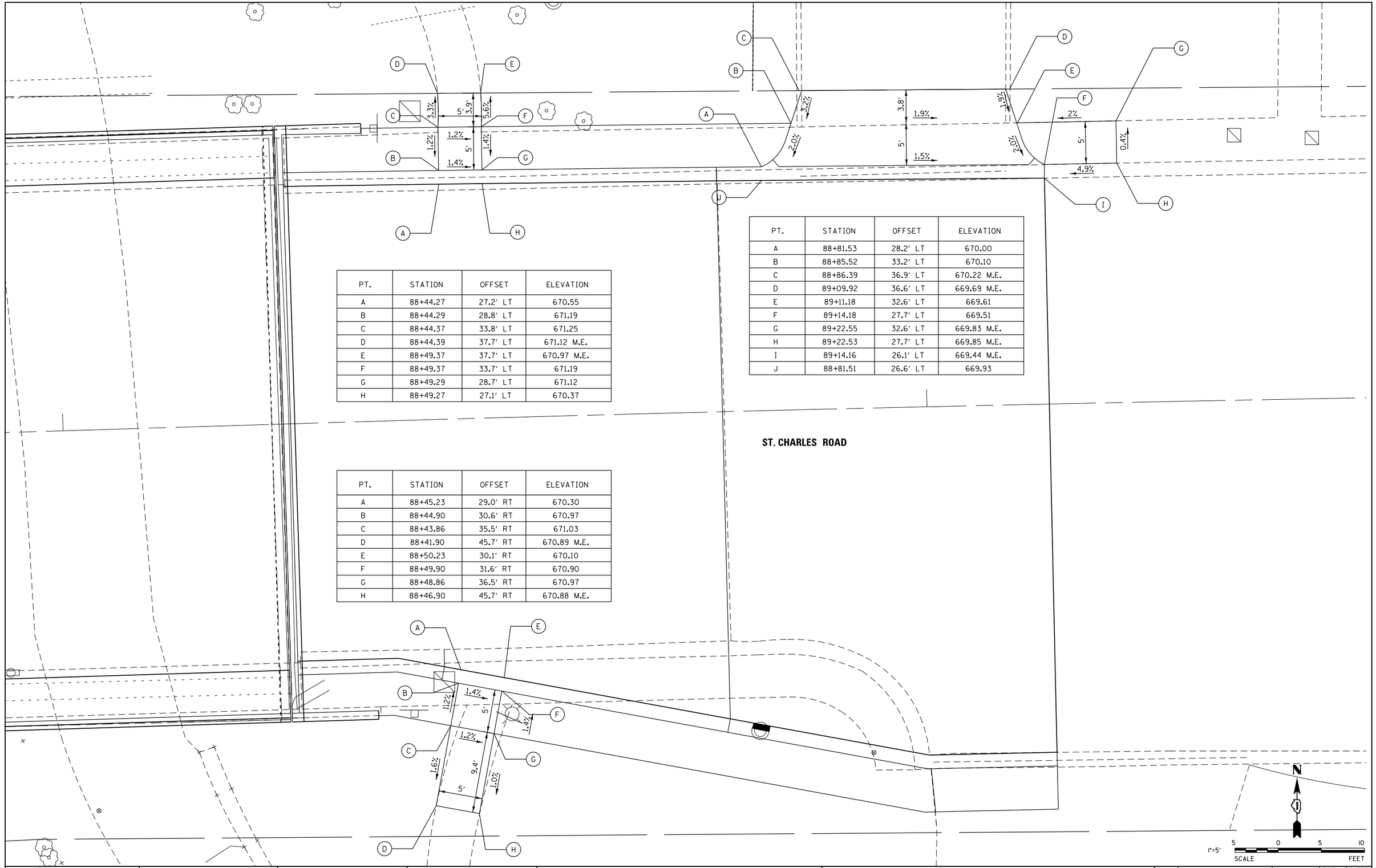
ADA DETAIL PLAN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	26

CONTRACT NO: 61F73

ILLINOIS



PT.	STATION	OFFSET	ELEVATION
A	88+44.27	27.2' LT	670.55
B	88+44.29	28.8' LT	671.19
C	88+44.37	33.8' LT	671.25
D	88+44.39	37.7' LT	671.12 M.E.
E	88+49.37	37.7' LT	670.97 M.E.
F	88+49.37	33.7' LT	671.19
G	88+49.29	28.7' LT	671.12
H	88+49.27	27.1' LT	670.37

PT.	STATION	OFFSET	ELEVATION
A	88+81.53	28.2' LT	670.00
B	88+85.52	33.2' LT	670.10
C	88+86.39	36.9' LT	670.22 M.E.
D	89+09.92	36.6' LT	669.69 M.E.
E	89+11.18	32.6' LT	669.61
F	89+14.18	27.7' LT	669.51
G	89+22.55	32.6' LT	669.83 M.E.
H	89+22.53	27.7' LT	669.85 M.E.
I	89+14.16	26.1' LT	669.44 M.E.
J	88+81.51	26.6' LT	669.93

PT.	STATION	OFFSET	ELEVATION
A	88+45.23	29.0' RT	670.30
B	88+44.90	30.6' RT	670.97
C	88+43.86	35.5' RT	671.03
D	88+41.90	45.7' RT	670.89 M.E.
E	88+50.23	30.1' RT	670.10
F	88+49.90	31.6' RT	670.90
G	88+48.86	36.5' RT	670.97
H	88+46.90	45.7' RT	670.88 M.E.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

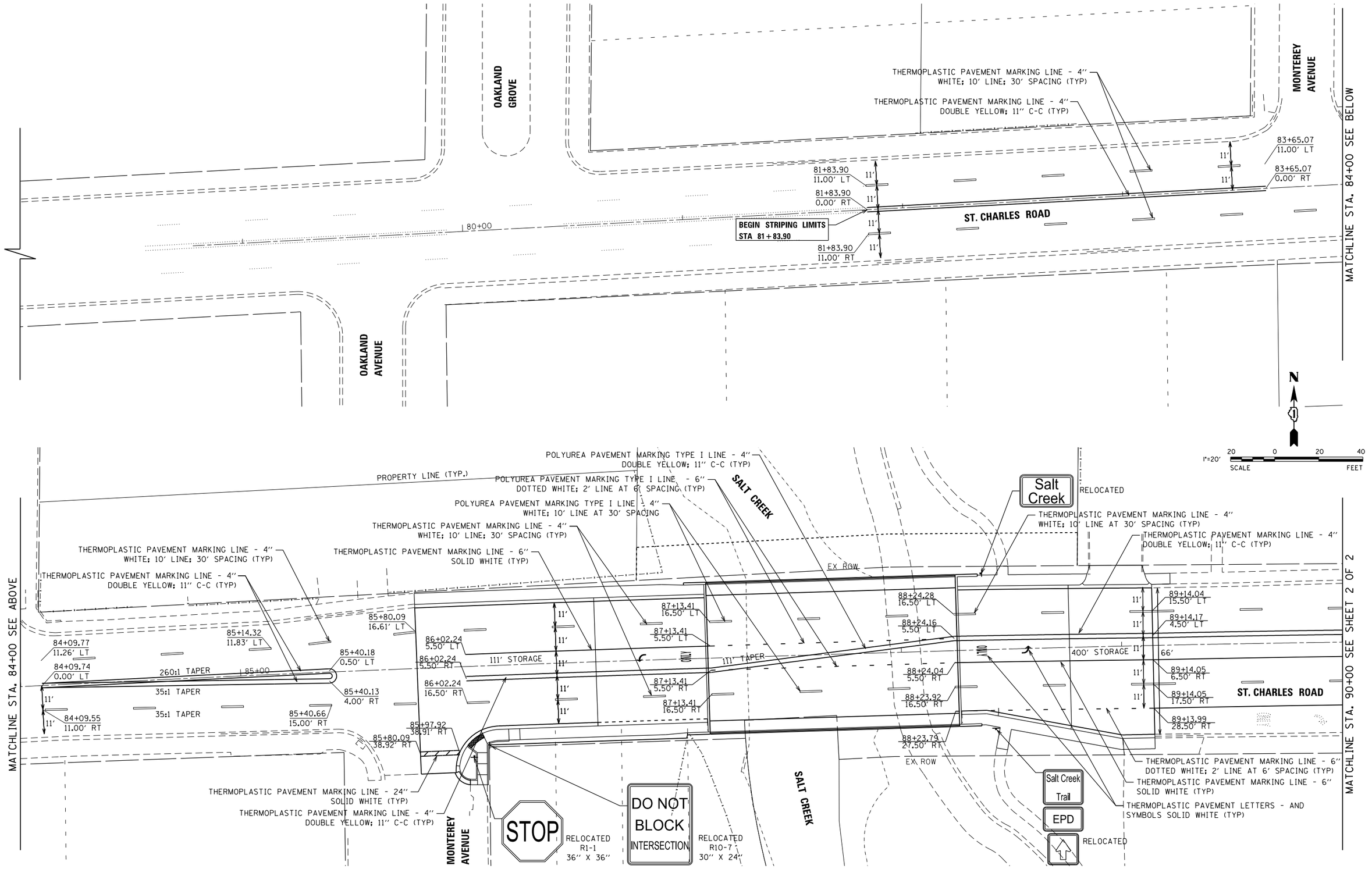
ADA DETAIL PLAN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	27

CONTRACT NO: 61F73

ILLINOIS



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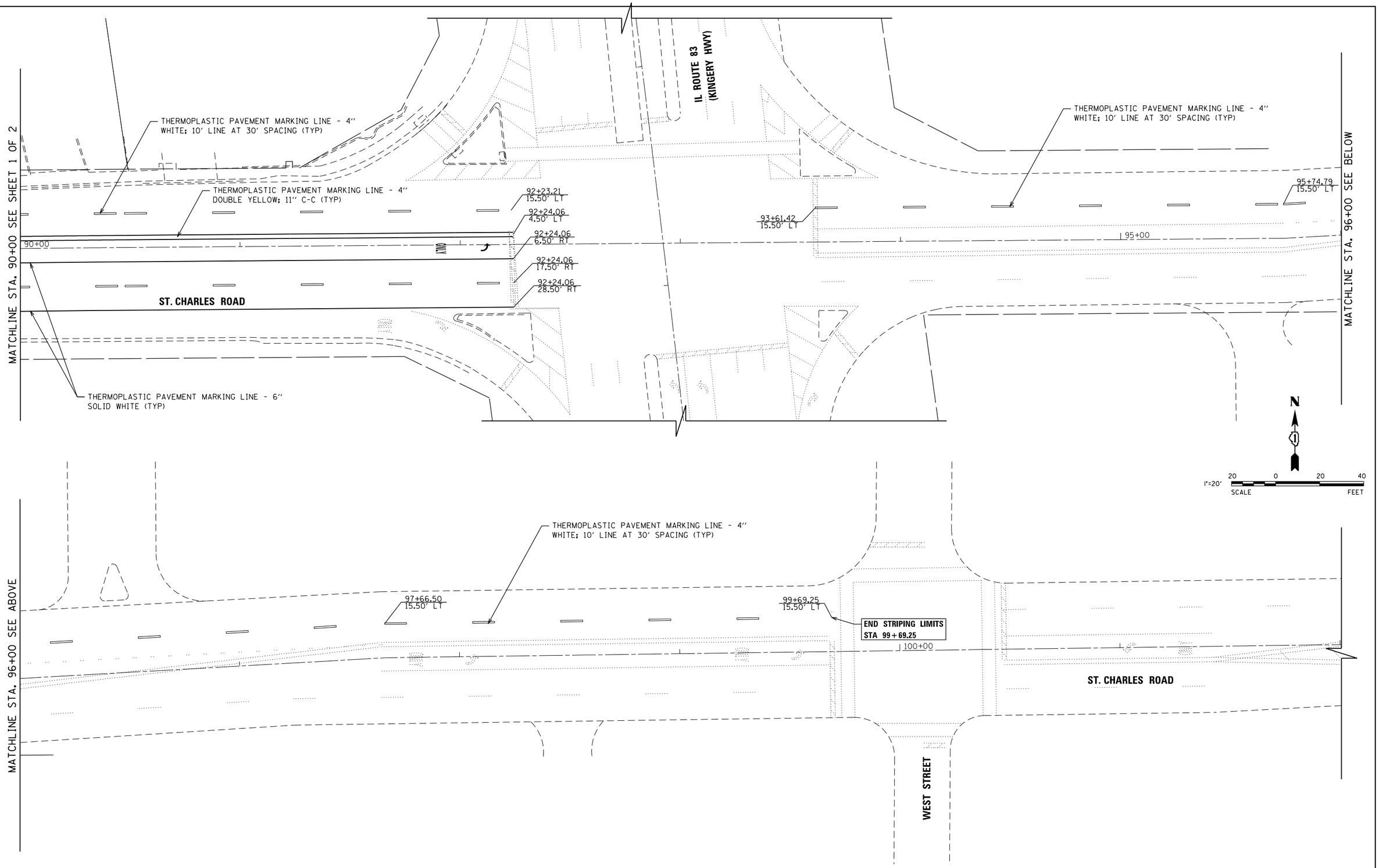
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNAGE PLAN

SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. 78+00.00 | TO STA. 90+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	28
		CONTRACT NO: 61F73		
	ILLINOIS			



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNAGE PLAN

SCALE: 1"=20' | SHEET 2 OF 2 SHEETS | STA. 90+00.00 TO STA. 102+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	29

CONTRACT NO: 61F73

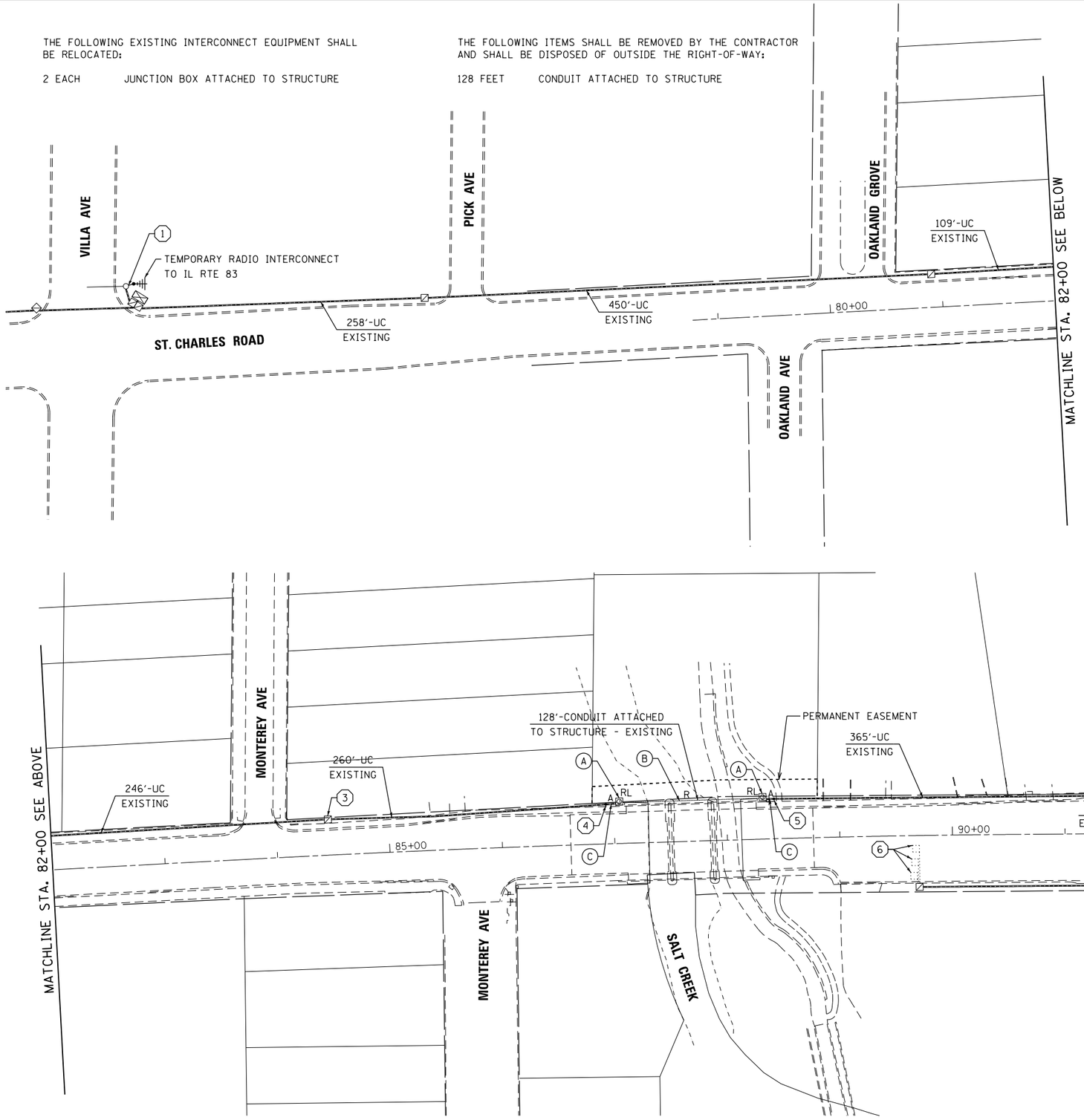
ILLINOIS

THE FOLLOWING EXISTING INTERCONNECT EQUIPMENT SHALL BE RELOCATED:

2 EACH JUNCTION BOX ATTACHED TO STRUCTURE

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF OUTSIDE THE RIGHT-OF-WAY:

128 FEET CONDUIT ATTACHED TO STRUCTURE



TEMPORARY INTERCONNECT LEGEND

- (A) EXISTING FIBER OPTIC CABLE JUNCTION BOX MOUNTED TO BRIDGE STRUCTURE TO BE RELOCATED.
- (B) EXISTING GALVANIZED STEEL CONDUIT FOR FIBER OPTIC CABLE MOUNTED TO BRIDGE STRUCTURE TO BE REMOVED.
- (C) CONDUIT BETWEEN EXISTING JUNCTION BOX AND FUTURE CONDUIT SPLICE LOCATION TO BE ABANDONED.

CONTRUCTION NOTES FOR TEMPORARY INTERCONNECT

1. INSTALL TEMPORARY RADIO ANTENNA AT VILLA AVENUE ON EXISTING MAST ARM IN THE NORTHEAST CORNER OF THE INTERSECTION, WHERE THE CONTROLLER IS LOCATED.
2. DISCONNECT THE EXISTING INTERCONNECT CABLES THAT RUN TO VILLA AVENUE IN THE IL RTE 83 CONTROLLER.
3. EXISTING FIBER OPTIC AND TRACER WIRE TO IL 83 CONTROLLER CABINET SHALL BE REMOVED FROM THE EXISTING CONDUIT TO THE HANDHOLE LOCATED NEAR STATION 84+50.00. EXCESS FIBER OPTIC CABLE AND TRACER WIRE SHALL BE COILED AND PROTECTED UNTIL READY TO REINSTALL.
4. CONDUIT TO BE ABANDONED TO THE EAST OF THE FUTURE CONDUIT SPLICE LOCATION NEAR 86+95.00.
5. CONDUIT TO BE ABANDONED TO THE WEST OF THE FUTURE CONDUIT SPLICE LOCATION NEAR 88+45.00.
6. EXISTING EASTBOUND INTERSECTION & SYSTEM SAMPLING DETECTORS AT IL 83 TO BE DISABLED AND OMITTED FROM TEMPORARY SIGNAL INTERSECTION TIMING AND TEMPORARY INTERCONNECT SCHEME. TEMPORARY SIGNAL TIMING SHALL BE PROGRAMMED TO ACCOMMODATE THE EASTBOUND APPROACH TO IL 83 WITHOUT INTERSECTION AND SYSTEM DETECTION.

N

1"=50' SCALE: 50 0 50 100 FEET

ECON 36

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

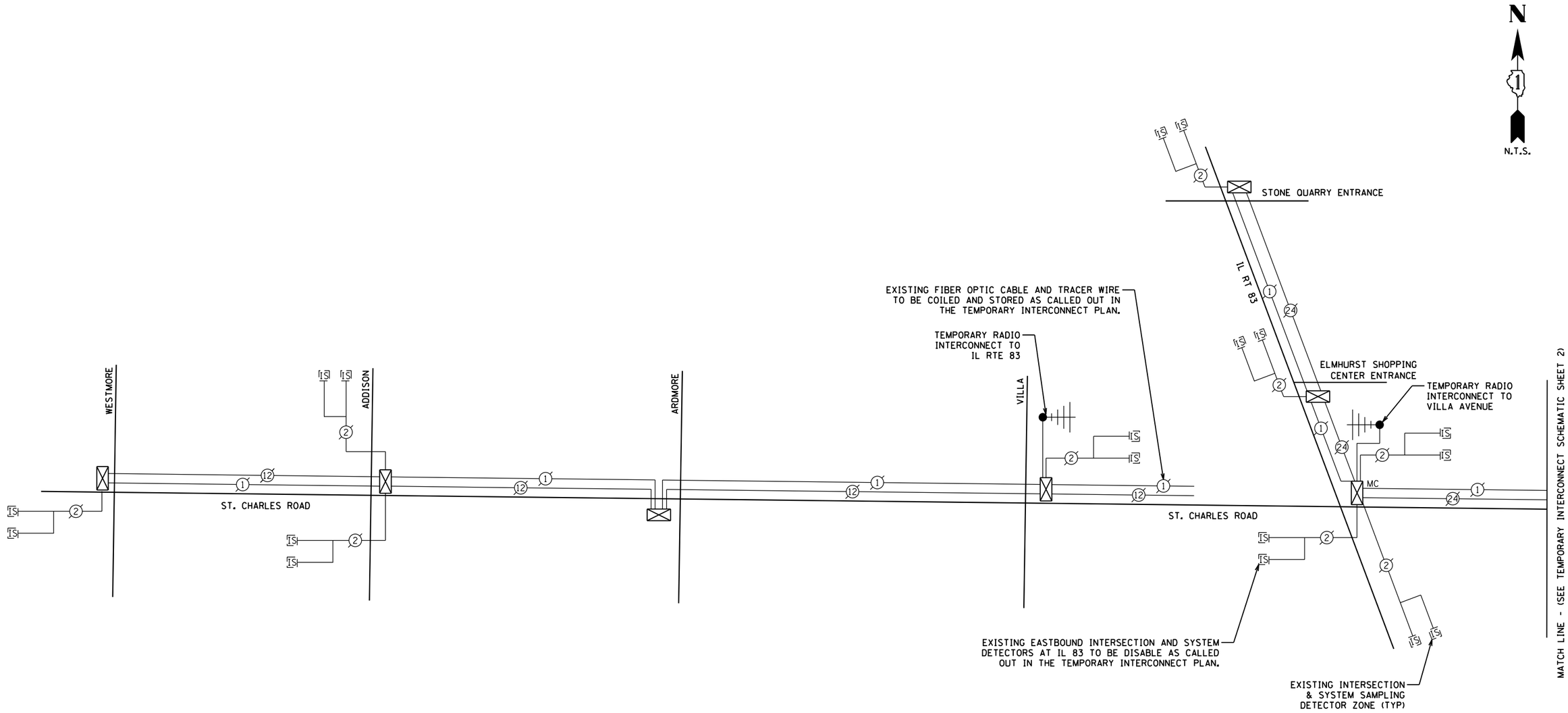
USER NAME = cfigus	DESIGNED - EIH	REVISED -
	DRAWN - EIH	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - MJR	REVISED -
PLOT DATE = 2/13/2019	DATE - 02/13/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT PLAN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	30
			CONTRACT NO: 61F73	
		ILLINOIS		



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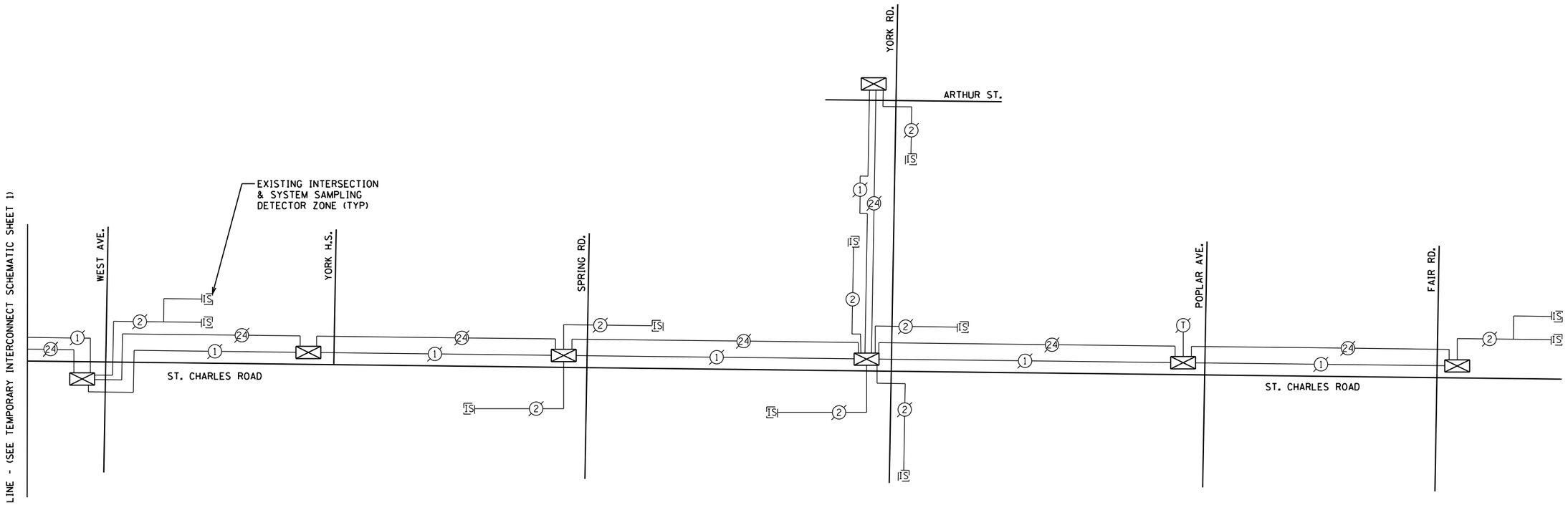
PLOT SCALE = 2.0000 ' / in.	CHECKED - MJR	REVISED -
PLOT DATE = 2/13/2019	DATE - 02/13/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT SCHEMATIC

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	31
		CONTRACT NO: 61F73		
	ILLINOIS			



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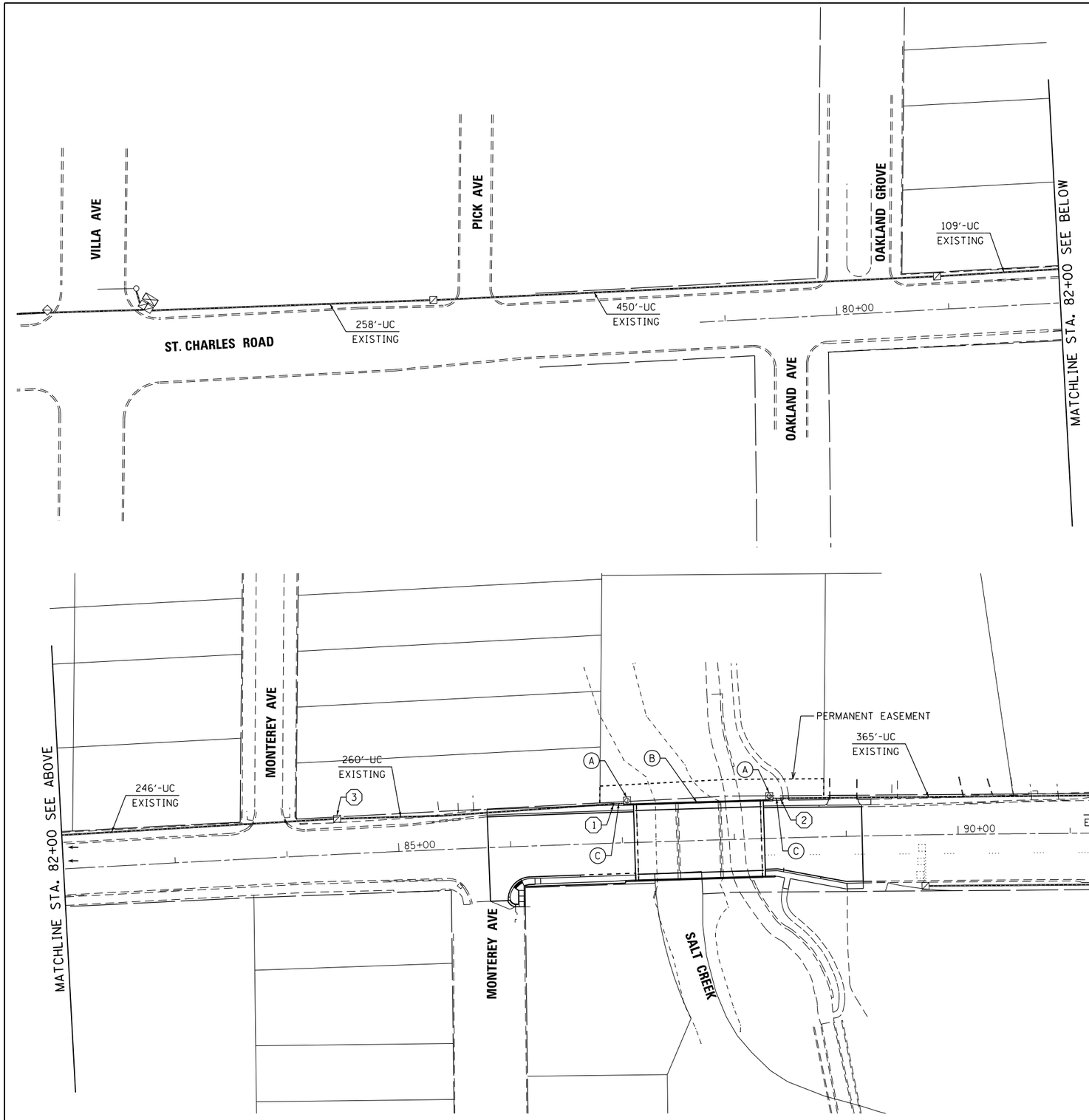
PLOT DATE = 2/13/2019	DATE - 02/13/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT SCHEMATIC

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	32
		CONTRACT NO: 61F73		
	ILLINOIS			



PROPOSED INTERCONNECT LEGEND

- (A) RELOCATED JUNCTION BOX MOUNTED TO BRIDGE STRUCTURE.
- (B) PROPOSED 2" PVC CONDUIT EMBEDDED IN BRIDGE STRUCTURE.
- (C) PROPOSED CONDUIT BETWEEN EXISTING JUNCTION BOX AND PROPOSED CONDUIT SPLICE.

CONTRUCTION NOTES FOR PROPOSED INTERCONNECT

1. INTERCEPT AND SPLICE EXISTING CONDUIT NEAR STA. 86+50.00.
2. INTERCEPT AND SPLICE EXISTING CONDUIT NEAR STA. 88+45.00.
3. REINSTALL COILED AND STORED FIBER OPTIC AND TRACER WIRE FROM HANDHOLE TO IL 83 CONTROLLER IN NEW AND EXISTING CONDUIT.
4. RECONNECT EXISTING FIBER OPTIC AND TRACER CABLE TO IL 83 CONTROLLER.

N

1"=50' SCALE: 50 0 50 100 FEET

ECON 36

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PLOT SCALE = 100.0000 ' / in.	CHECKED - MJR	REVISED -
PLOT DATE = 2/13/2019	DATE - 02/13/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

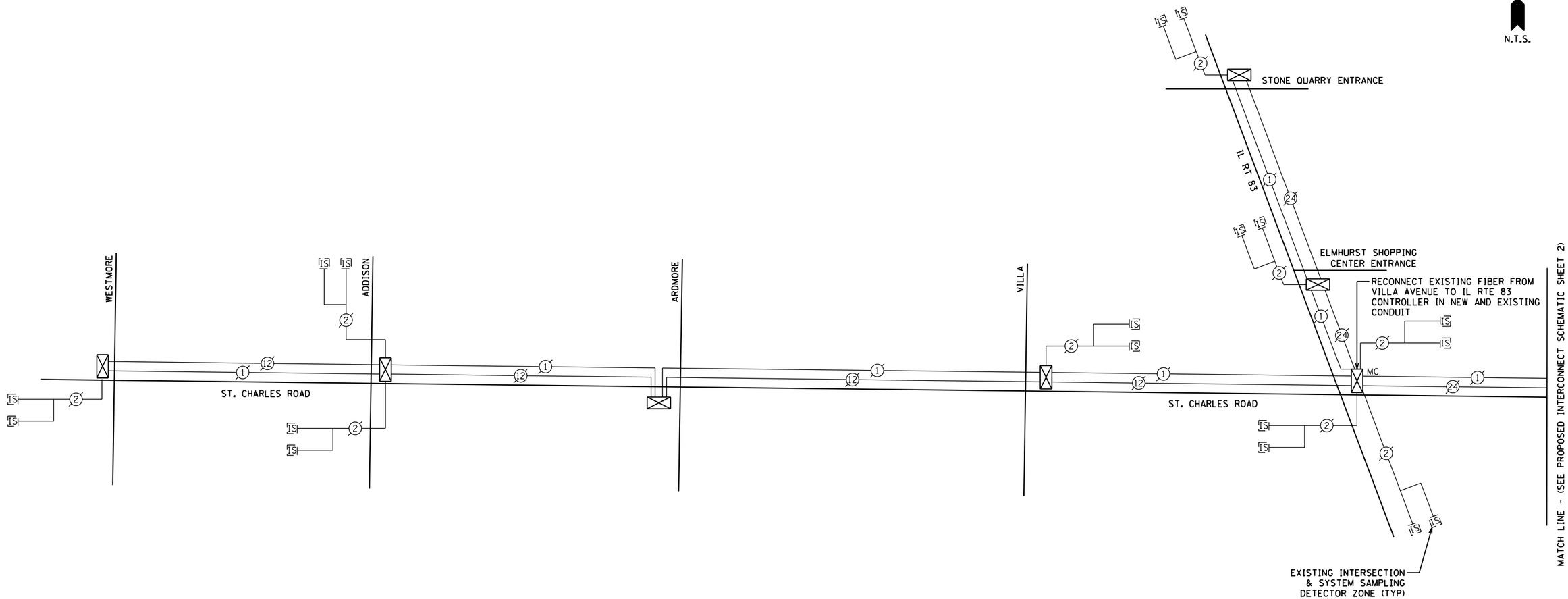
PROPOSED INTERCONNECT PLAN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	33

CONTRACT NO: 61F73

ILLINOIS



TEMPORARY AND PROPOSED INTERCONNECT SCHEDULE

DESCRIPTION	UNIT	QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	20
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	128
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1,062
REMOVE CONDUIT ATTACHED TO STRUCTURE	FOOT	128
ROD AND CLEAN EXISTING CONDUIT	FOOT	605
TEMPORARY WIRELESS INTERCONNECT, COMPLETE	LSUM	1
REMOVE AND REINSTALL FIBER OPTIC CABLE IN CONDUIT	FOOT	1,074
CONDUIT SPLICE	EACH	2
RELOCATE EXISTING JUNCTION BOX	EACH	2
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

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PLOT DATE = 2/13/2019	DATE - 02/13/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

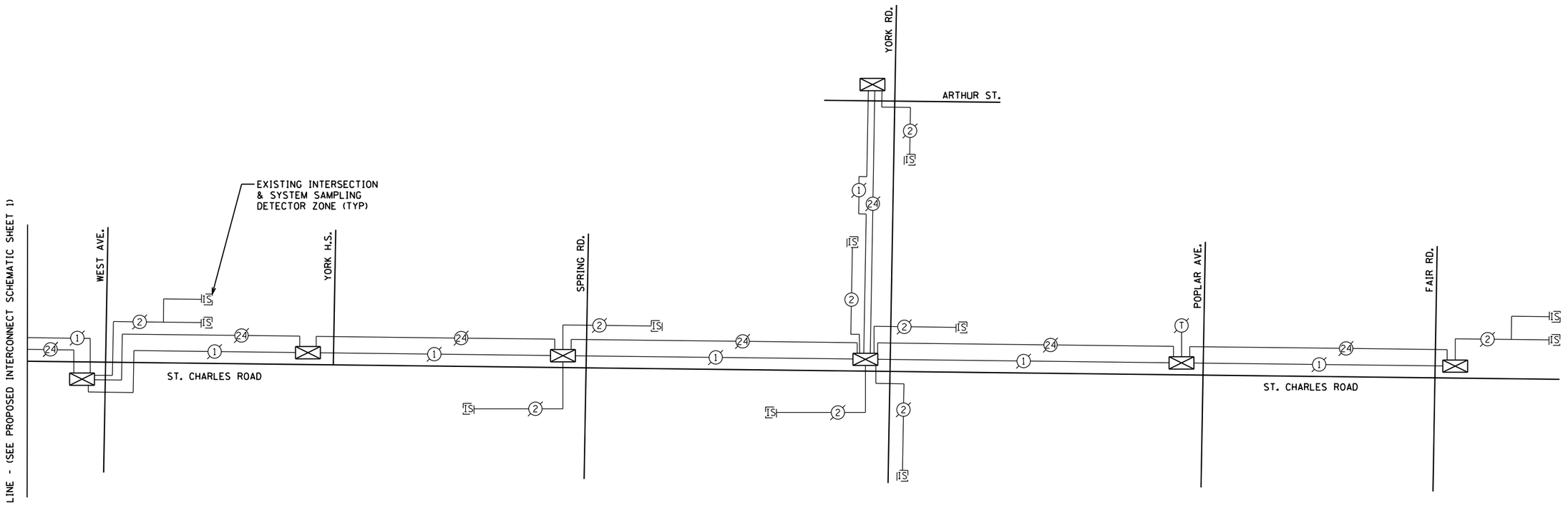
PROPOSED INTERCONNECT SCHEMATIC

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	34

CONTRACT NO: 61F73

ILLINOIS



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PLOT DATE = 2/13/2019	DATE - 02/13/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT SCHEMATIC

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	35

CONTRACT NO: 61F73

ILLINOIS

PROPERTY LINE (TYP)

PROPERTY LINE (TYP)

SALT CREEK

STA. 87+06.54 34.87 LT
C5-A-4

REMOVAL OF EXISTING LIGHT POLE FOUNDATION TO BE INCLUDED IN REMOVAL OF EXISTING SUPERSTRUCTURE

REMOVAL OF EXISTING CONDUIT EMBEDDED IN STRUCTURE TO BE INCLUDED IN REMOVAL OF EXISTING SUPERSTRUCTURE

REMOVE EXISTING CONDUIT AND PROTECT EXISTING CABLE WEST OF EXISTING STREET LIGHT POLE. EXISTING CABLE TO BE USED FOR TEMPOARY AND FINAL LIGHTING CONDITIONS

REMOVE EXISTING CONDUIT AND PROTECT EXISTING CABLE EAST OF EXISTING HANDHOLE. EXISTING CABLE TO BE USED FOR TEMPOARY LIGHTING CONDITIONS.

STA. 89+82.75 34.82 LT
C5-A-5

PERMANENT EASEMENT

15'

ST. CHARLES ROAD

REMOVE CONDUIT ATTACHED TO STRUCTURE

BEGIN PROJECT LIMITS
STA 85+80.09

END PROJECT LIMITS
STA 89+14.17

85+00

90+00

STA. 85+41.33 32.72 RT
C4-A-7

MONTEREY AVENUE

SALT CREEK

REMOVE EXISTING LIGHT POLE FOUNDATION

STA. 88+51.02 34.31 RT
C5-B-1

LIGHTING REMOVAL LEGEND

- REMOVE AND RELOCATE LIGHT POLE AND FIXTURE, FOUNDATION REMOVAL PER PLAN
- EXISTING LIGHT POLE AND FIXTURE TO REMAIN
- REMOVE EXISTING CABLE FROM CONDUIT ABANDON EXISTING CONDUIT UNLESS OTHERWISE NOTED
- REMOVE EXISTING CONCRETE HANDHOLE

N

1"=20'

20 0 20 40
SCALE FEET

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PLOT SCALE = 40.0000 ' / in.	CHECKED - MJR	REVISED -	
PLOT DATE = 2/13/2019	DATE - 02/13/19	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

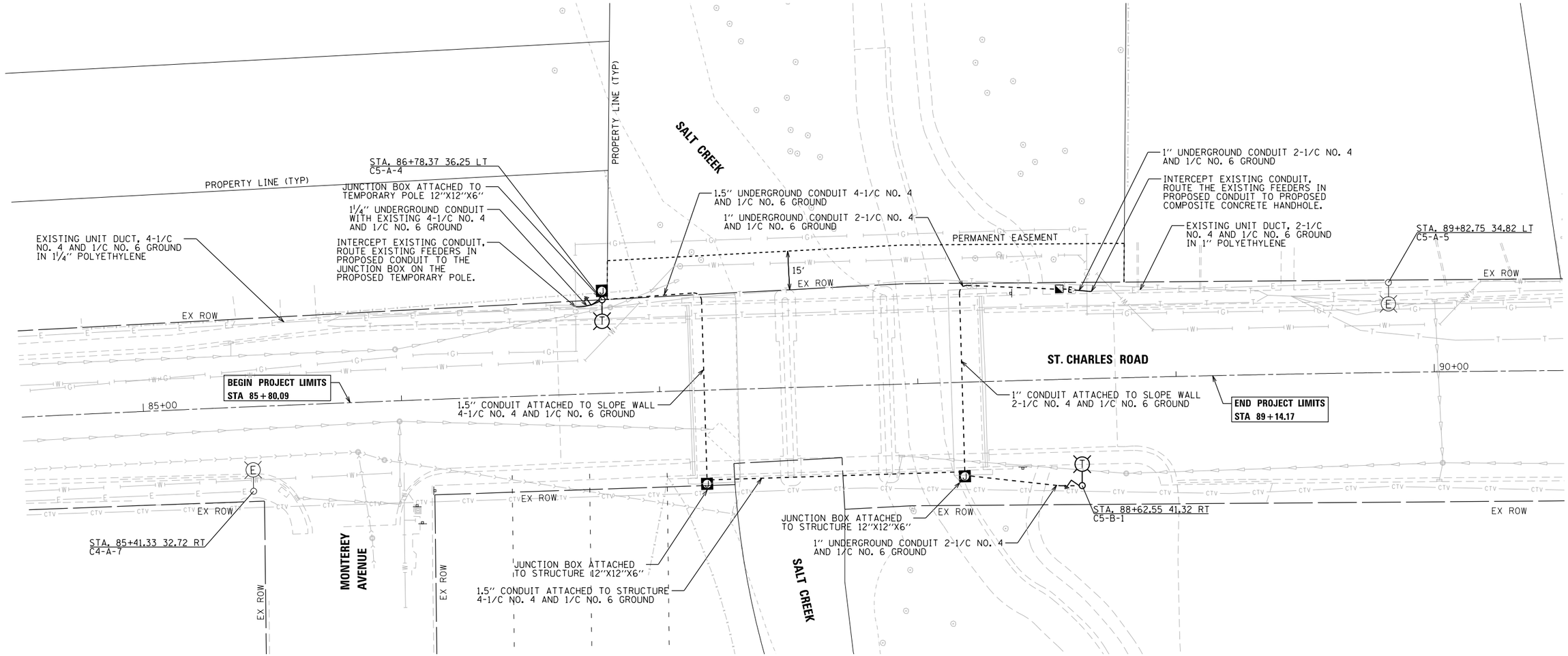
STREET LIGHTING REMOVAL PLAN

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 84+50.00 | TO STA. 90+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	36

CONTRACT NO: 61F73

ILLINOIS



TEMPORARY LIGHTING LEGEND – STAGE 1

- PROPOSED GALVANIZED STEEL CONDUIT, CONDUIT SIZE, CABLE, AND MOUNTING PER PLAN
- PROPOSED UNDERGROUND COILABLE NONMETALLIC CONDUIT, CONDUIT SIZE AND CABLE PER PLAN
- EXISTING CONDUIT AND CABLE CONDUIT SIZE AND CABLE PER PLAN
- PROPOSED TEMPORARY WOOD POLE, 50 FT. MH, 15 FT. MAST ARM WITH 400W, 240V MCIII HPS LUMINAIRE, GROUND ROD
- EXISTING LIGHT POLE AND FIXTURE TO REMAIN
- PROPOSED JUNCTION BOX SIZE AND MOUNTING PER PLAN
- PROPOSED COMPOSITE CONCRETE HANDHOLE 12"X12"

NOTES:

1. PAY ITEMS AND QUANTITIES HAVE BEEN PROVIDED FOR REMOVAL OF TEMPORARY LIGHTING UNITS, WIRE, CONDUIT AND JUNCTION BOXES.

N

1"=20' SCALE 20 0 20 40 FEET

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www.v3co.com

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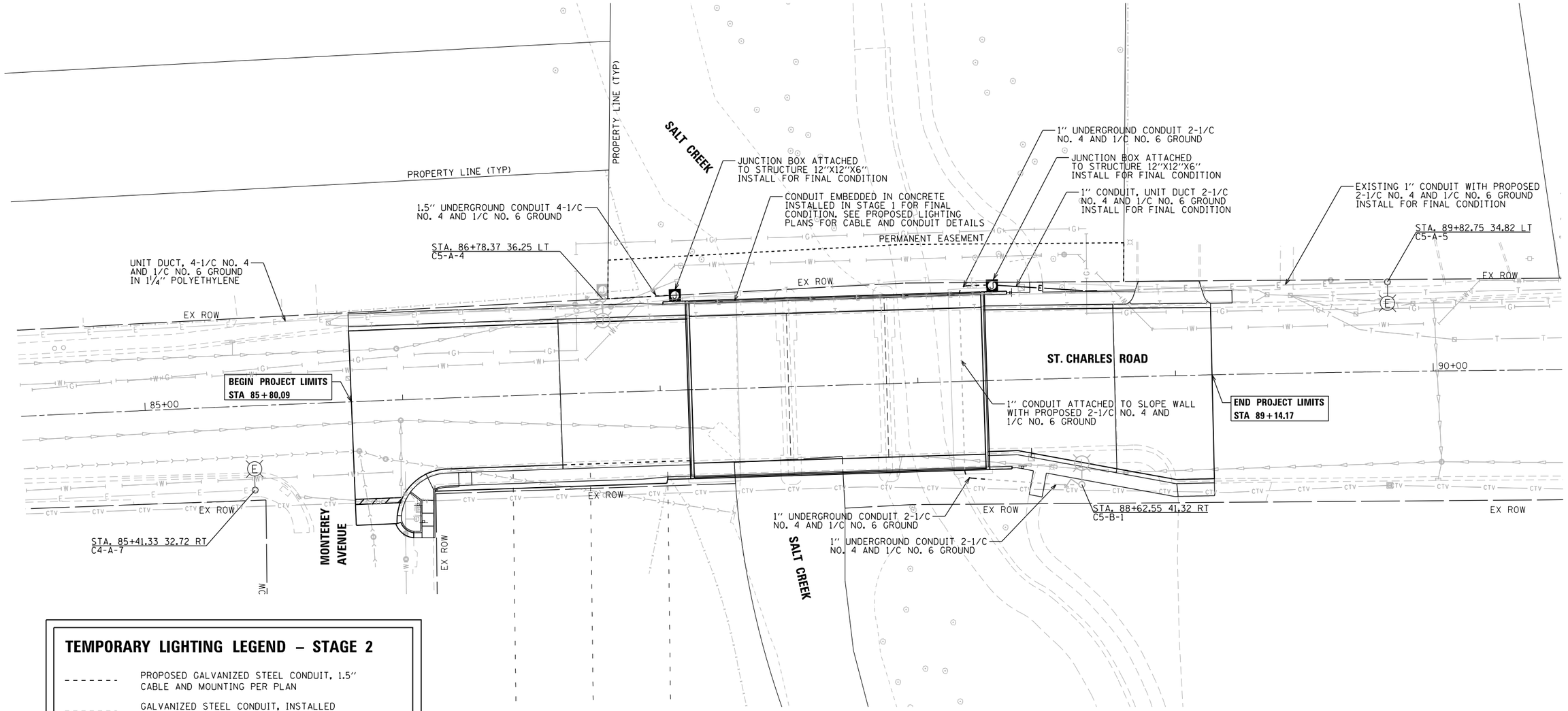
	DRAWN - EIH	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MJR	REVISED -	
PLOT DATE = 2/13/2019	DATE - 02/13/19	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY STREET LIGHTING PLAN – STAGE 1

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 84+50.00 | TO STA. 90+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	37
		CONTRACT NO: 61F73		
	ILLINOIS			



TEMPORARY LIGHTING LEGEND – STAGE 2

- PROPOSED GALVANIZED STEEL CONDUIT, 1.5" CABLE AND MOUNTING PER PLAN
- GALVANIZED STEEL CONDUIT, INSTALLED IN STAGE 1 TO BE UTILIZED FOR STAGE 2. CONDUIT SIZE, CABLE, AND MOUNTING PER PLAN
- PROPOSED UNDERGROUND COILABLE NONMETALLIC CONDUIT, CONDUIT SIZE AND CABLE PER PLAN
- EXISTING CONDUIT, CONDUIT SIZE AND CABLE PER PLAN
- TO BE UTILIZED FOR STAGE 2 TEMPORARY WOOD POLE, INSTALLED IN STAGE 1, 50 FT. MH, 15 FT. MAST ARM WITH 400W, 240V MCIII HPS LUMINAIRE, GROUND ROD
- EXISTING LIGHT POLE AND FIXTURE TO REMAIN
- PROPOSED JUNCTION BOX SIZE AND MOUNTING PER PLAN
- EXISTING JUNCTION BOX INSTALLED IN STAGE 1

NOTES:

1. PAY ITEMS AND QUANTITIES HAVE BEEN PROVIDED FOR REMOVAL OF TEMPORARY LIGHTING UNITS, WIRE, CONDUIT AND JUNCTION BOXES.

N

1"=20' SCALE 20 0 20 40 FEET

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Woodridge, IL 60517
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USER NAME = cfigus	DESIGNED - EIH	REVISED -
	DRAWN - EIH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MJR	REVISED -
PLOT DATE = 2/13/2019	DATE - 02/13/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

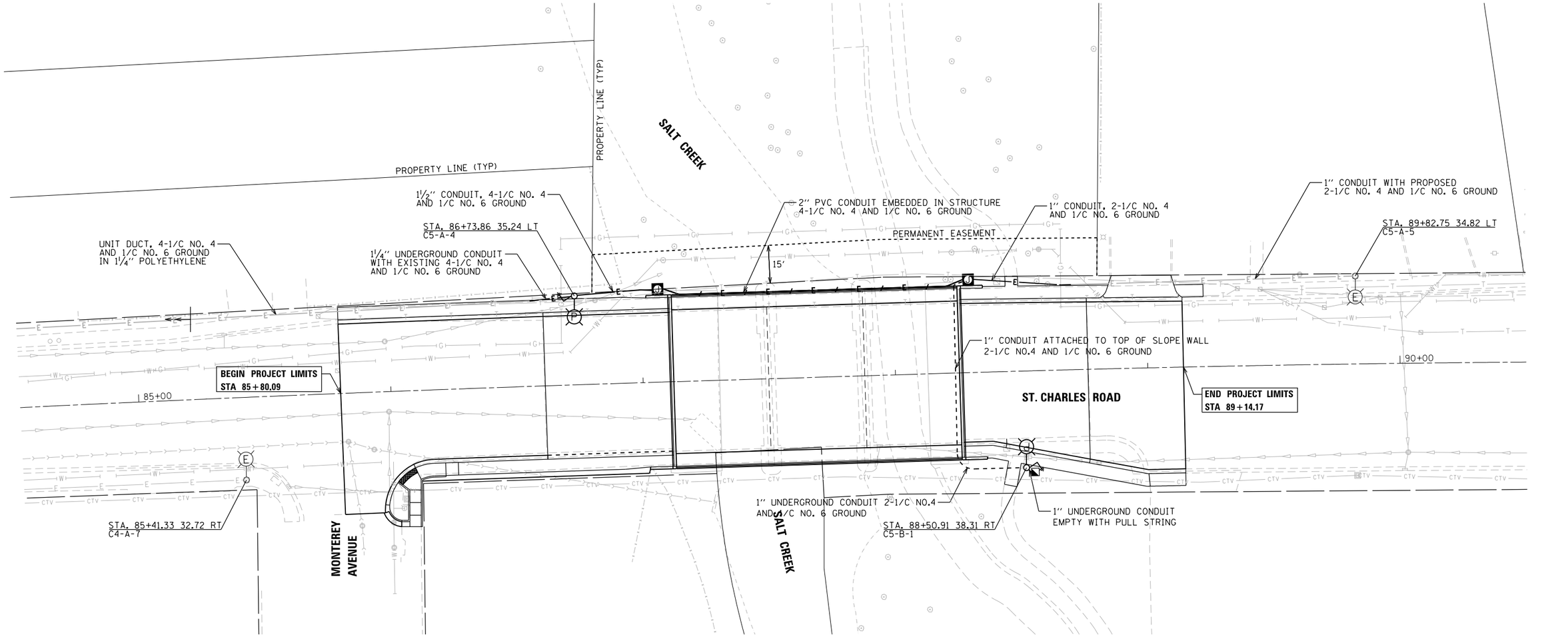
TEMPORARY STREET LIGHTING PLAN – STAGE 2

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 84+50.00 TO STA. 90+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	38

CONTRACT NO: 61F73

ILLINOIS



LIGHTING LEGEND

- PROPOSED GALVANIZED STEEL CONDUIT, CONDUIT SIZE, CABLE, AND MOUNTING PER PLAN
- PROPOSED UNDERGROUND COILABLE NONMETALLIC CONDUIT, CONDUIT SIZE AND CABLE PER PLAN
- PROPOSED PVC CONDUIT EMBEDDED IN STRUCTURE, CONDUIT SIZE AND CABLE PER PLAN
- EXISTING CONDUIT, CONDUIT SIZE AND CABLE PER PLAN
- RELOCATED LIGHT POLE AND FIXTURE ON PROPOSED FOUNDATION
- EXISTING LIGHT POLE AND FIXTURE TO REMAIN
- PROPOSED JUNCTION BOX SIZE AND MOUNTING PER PLAN
- PROPOSED COMPOSITE CONCRETE HANDHOLE 12"X12"

N

1"=20' SCALE: 20 0 20 40 FEET

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STREET LIGHTING PLAN

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 84+50.00 TO STA. 90+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	39

CONTRACT NO: 61F73

ILLINOIS

FOR REFERENCE ONLY

00104

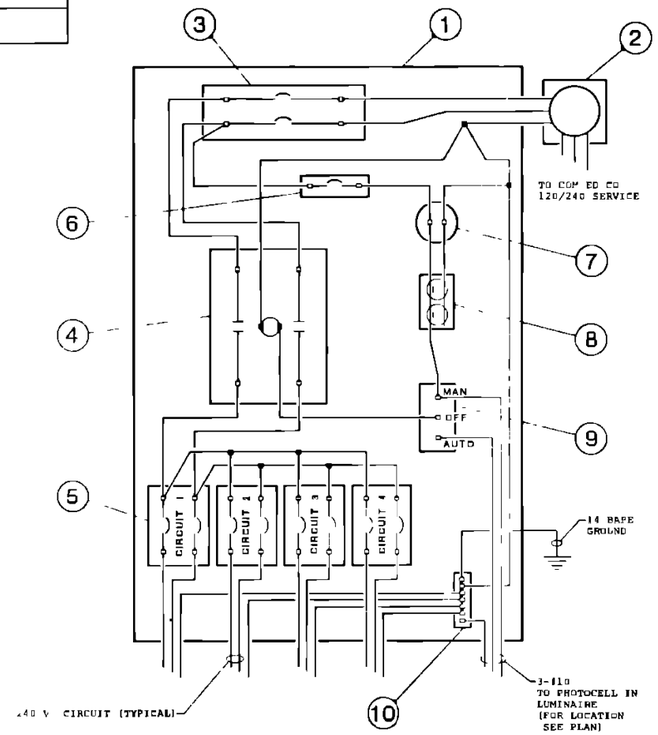
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1397	1975 156-WI,R.S.,8Y	DuPAGE	105	85
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	REC. AND PROJECT # 9003(27)	

CONTROLLER BILL OF MATERIALS

NO	ITEM	CONT NO.	QTY	DESCRIPTION
1	CONTROLLER CABINET W/FOUNDATION	ALL	1	SEE DETAILS
2	METER CABINET	ALL	1	METER SOCKET WITH CABINET APPROVED BY COM ED CO , C E CO TO FURNISH & INSTALL METER
3	MAIN CIRCUIT BREAKER	ALL	1	2 POLE, 240 VOLT, 100 A CIRCUIT BREAKER MINIMUM INTERRUPTING CAPACITY
4	CONTACTOR	ALL	1	2 POLE, 240 VOLT, 100 A COIL
5	CIRCUIT BREAKER	1, 5 3	2 3	2 POLE, 240 VOLT, 30 A CIRCUIT BREAKER MINIMUM INTERRUPTING CAPACITY
6	CIRCUIT BREAKER	ALL	1	SINGLE POLE, 120 VOLT, 15 A CIRCUIT BREAKER MINIMUM INTERRUPTING CAPACITY
7	LAMPHOLDER	ALL	1	PORCELAIN SOCKET W/PULL CHAIN
8	RECEPTACLE	ALL	1	GROUNDED DUPLEX CONVENIENCE RECEPTACLE
9	BY-PASS SWITCH	ALL	1	3-POSITION TOGGLE SWITCH
10	GROUND BAR	ALL	1	7 TERMINAL BAR

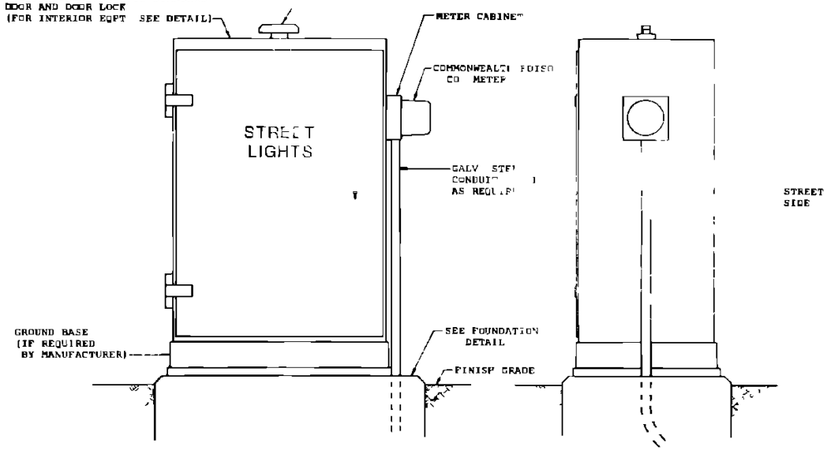
CONTROLLER INFORMATION

CONT NO	CONTROLLER LOCATION	AREA SERVED	SERVICE POLE LOCATION
3	NORTHEAST CORNER OF ST CHARLES ROAD AND SUMMIT AVE	ST CHARLES RD N SIDE - SUMMIT AVE. TO VILLA AVE , VILLA AVE W SIDE - ST CHARLES RD TO ELM ST	FIRST POLE NORTH OF ST CHARLES ROAD ON THE EAST SIDE OF SUMMIT AVE
4	NORTHEAST CORNER OF VILLA AVE AND WILDWOOD AVE	ST CHARLES RD S SIDE - SUMMIT AVE TO MONTEREY AVE VILLA AVE - WILDWOOD AVE TO ST CHARLES RD - EMISTING SYSTEM ON WILDWOOD FROM MYRTLE TO OARLAND AND ON VILLA FROM WILDWOOD TO C &N W R R TRACKS	SOUTHEAST CORNER OF VILLA AVE AND WILDWOOD AVE
5	NORTHWEST CORNER OF ST CHARLES ROAD A D PICK AVE	ST CHARLES RD N SIDE - VILLA AVE TO END PROJECT ST CHARLES RD S SIDE - CREEK TO END PROJECT	FIRST POLE WEST OF PICK AVE IN SERVICE ALLEY NORTH OF ST CHARLES RD



CONTROLLER WIRING & EQUIPMENT LAYOUT

BASE MOUNTED CONTROLLER CABINET SHALL HAVE MIN 34"W x 24"D x 54"H INSIDE DIMENSION WITH STANDARD DOOR AND DOOR LOCK (FOR INTERIOR EQPT SEE DETAIL)



CONTROLLER CABINET

CONTROLLER NO 3	
CIRCUIT NO	NO OF LIGHTS
1 *	FUTURE BY OTHERS 5 - 400 WATT
2	5 - 400 WATT 1 - 250 WATT
3 *	FUTURE BY OTHERS 5 - 400 WATT 1 - 250 WATT 1 - 150 WATT

*CIRCUIT BREAKER TO BE INSTALLED THIS CONTRACT FOR USE IN FUTURE LIGHTING IMPROVEMENT

CONTROLLER NO 4	
CIRCUIT NO	NO OF LIGHTS
1	5 - 400 WATT 2 - 250 WATT
2	5 - 400 WATT 1 - 250 WATT
3	7 - 400 WATT (EXIST)

CONTROLLER NO 5	
CIRCUIT NO	NO OF LIGHTS
1	7 - 400 WATT
2	4 - 400 WATT

REVISIONS	
NAME	DATE
BJP	3-31-78
GM	5-22-79

ILLINOIS DIVISION OF HIGHWAYS

STREET LIGHTING DETAILS

CONTROLLER

SCALE NONE DRAWN BY DCH

DATE 2-17-78 CHECKED BY KH

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
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630.724.9202 fax
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS

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

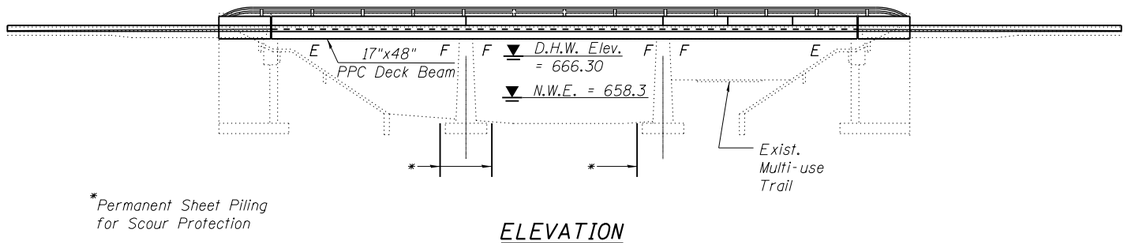
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	40
			CONTRACT NO: 61F73	
		ILLINOIS		

Bench Mark: SBM#1 cut square on northeast corner retaining wall along east side of mixed use path south of and below St. Charles Road Bridge. Datum: NAVD88 Elev. 664.56 (measured)
SBM#2 cut square on southwest corner retaining wall along east side of mixed use path north of and below St. Charles Road Bridge. Datum: NAVD88 Elev. 664.47 (measured)

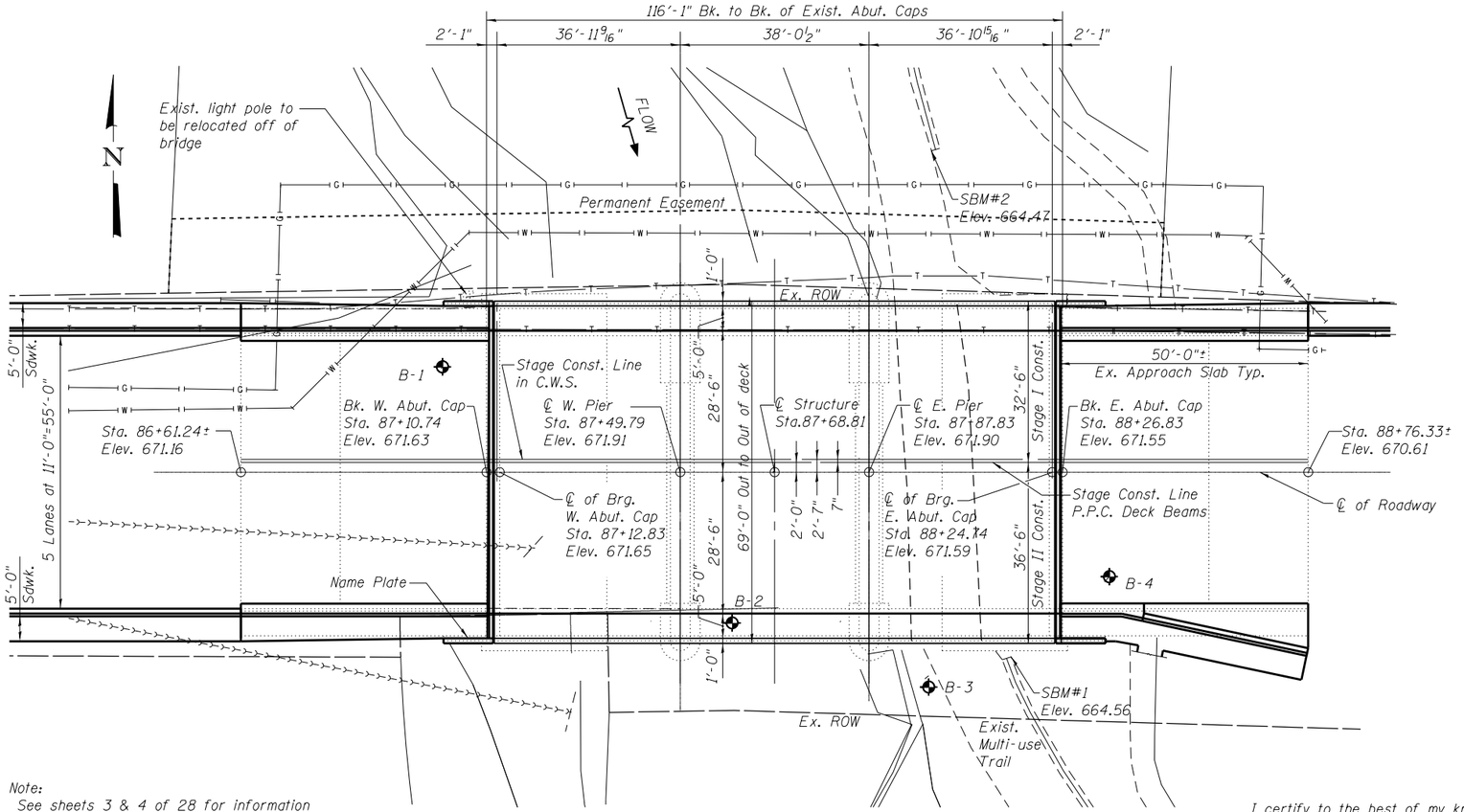
Existing Stucture: SN 022-6950 carries F.A.U. Route 2651 over Salt Creek. The original superstructure was replaced and the substructure widened in 1979. The structure is a three span simply supported (36′-4 1/16", 36′-9 1/2", 36′-3 7/16") 17" PPC Deck Beam bridge supported by closed abutments and concrete piers. The existing structure is 114′-3" back to back of abutments and the out to out width of deck is 68′-0" with a 55′-0" clear width between curbs and a 5′-6" sidewalk and parapet on each side.

Traffic will be maintained utilizing Stage Construction.

No Salvage



ELEVATION



PLAN

Prop. Limits of Construction

Note:
See sheets 3 & 4 of 28 for information on Permanent Sheet Piling for Scour Protection.

WATERWAY INFORMATION

Drainage Area = 92.13 sq. mi.

Overtopping Existing Elev. 671.45 @ Sta. 88+36
Overtopping Proposed Elev. 671.32 @ Sta. 88+36

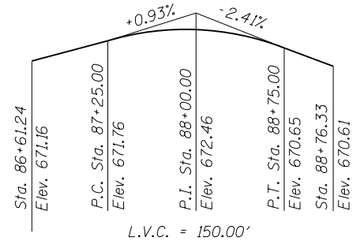
Flood Event	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	10	1484	738.36	738.36	665.41	0.12	0.12	665.53	665.53
Design	50	1852	822.27	822.27	666.30	0.13	0.13	666.43	666.43
Base	100	1994	851.14	851.14	666.60	0.14	0.14	666.74	666.74
Scour Design Check	200	2071	888.12	888.12	666.76	0.14	0.14	666.90	666.90
Overtop Existing	-	-	-	-	-	-	-	-	-
Overtop Proposed	-	-	-	-	-	-	-	-	-
Max. Calc.	500	2303	908.77	908.77	667.19	0.16	0.16	667.35	667.35

Existing 10-year velocity = 1.6 ft./sec.
Proposed 10-year velocity = 1.6 ft./sec.

SCOPE OF WORK

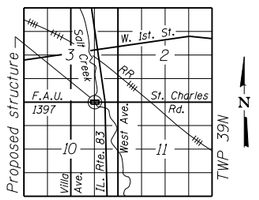
(Work to be done in stages)

1. Remove existing deck beams and bituminous overlay (varies 2" to 4 1/4"±).
2. Install permanent sheet piling for scour protection.
3. Make repairs to existing substructures and modify existing wingwalls for deck widening.
4. Install deck beams with minimum 5" concrete overlay.
5. Install sidewalk and parapet with railing.
6. Mill existing bituminous overlay on existing approach pavements for proposed bituminous overlay.



PROFILE GRADE

(along ℄ of Roadway)



LOCATION SKETCH

DESIGN SPECIFICATIONS

NEW CONSTRUCTION

2014 AASHTO LRFD Bridge Design Specifications, 7th Edition with 2015 and 2016 Interim Revisions.

EXISTING CONSTRUCTION

DESIGN SPECIFICATION FOR HIGHWAY BRIDGES, AASHTO 1972, AND INTERIMS 1974, 1975, 1976 &1977.

DESIGN STRESSES

FIELD UNITS

f'_c = 3,500 psi
f_y = 60,000 psi (reinforcement)
f_y = 36,000 psi (structural steel)

EXISTING STRUCTURE

f_c = 1,400 psi (Substructure)
f_s = 20,000 psi (reinforcement)

PRECAST PRESTRESSED UNITS

f'_c = 6,000 psi
f'_{ci} = 5,000 psi
f'_s = 270,000 psi (1/2" ϕ low lax. strands)
f_{si} = 201,960 psi (1/2" ϕ low lax. strands)

LOADING HL-93

No future wearing surface will be allowed.

SEISMIC DATA

Seismic Performance Zone (SPZ) =1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.087g
Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.153g
Soil Site Class =D

DESIGN SCOUR ELEVATION TABLE

Event/Limit State	Design ScourElevation (ft.) W. Abut.	W. Pier	E. Pier	E. Abut.	Item 113
Q100	652.65	649.02	648.66	657.66	5
Q200	652.43	648.97	648.61	657.43	
Design	652.43	648.97	648.61	657.43	
Check	652.43	648.97	648.61	657.43	

EXP. DATE: 11/30/2020

I certify to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and the new beam design complies with the requirements of the current AASHTO LRFD Design Specification.

GENERAL PLAN & ELEVATION
ST. CHARLES ROAD OVER SALT CREEK
F.A.U. RTE. 1397
SECTION 15-00094-00-BR
DUPAGE COUNTY
STATION 87+68.81
STRUCTURE NO. 022-6950

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PLOT DATE = 2/13/2019	DATE - 11/16/18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
STRUCTURE NO. 022-6950

SCALE: N.T.S. | SHEET 1 OF 28 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	41
PROJECT:			JOB: C-91-313-15	
ILLINOIS				

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.

Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

The Contractor is advised that the existing structure contains members that are in deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the existing structure when developing construction procedures for the complete or partial removal, or replacement of the structure. The existing bridge plans, the emergency repair plans and the Structure Summary Report are available.

Any damage done to the abutments and piers during beam removal shall be repaired by the Contractor. Cost included with Removal of Existing Superstructures.

If the Contractor's procedures for existing beam removal or placement of new beams and permanent sheet piling involves placement of heavy equipment on the new or existing deck beams, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, sealed by an Illinois Licensed Structural Engineer, verifying the structural adequacy of the beams for the proposed loads. Cost included with Precast Prestressed Concrete Deck Beams (17" Depth).

No drilling will be permitted into the new PPC deck beams.

The minimum thickness of the Concrete Wearing Surface shall be 5" and shall vary as required to adjust for the new profile grade and beam camber. See Concrete Wearing Surface Profile on Sheet 10 of 28.

Out to out widths shown for deck and approach slabs are the minimum widths required. Variations in the new deck beams and erection tolerances may result in additional width. The Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.

Slipforming of the parapet is not allowed.

Removal and disposal of exising steel shoring beams, angles and bolts (supporting existing deck beams) to be included with the cost of "Removal of Existing Superstructure". The exposed ends of existing threaded rods embeded in the pier caps shall be removed flush with the existing concrete surface, grind smooth and seal with epoxy.

Apply Concrete Sealer to beam seats of abutments and piers.

The existing beam bearing pads at the abutments contain asbestos.

STRUCTURE INDEX OF SHEETS

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Superstructure	Each	1	-	1
Concrete Removal	Cu. Yd.	-	23.6	23.6
Structure Excavation	Cu. Yd.	-	34	34
Concrete Structures	Cu. Yd.	-	24.0	24.0
Concrete Superstructure	Cu. Yd.	79.6	-	79.6
Bridge Deck Grooving	Sq. Yd.	691	-	691
Protective Coat	Sq. Yd.	935	-	935
Precast Prestressed Concrete Deck Beams (17" Depth)	Sq. Ft.	7675	-	7675
Reinforcement Bars, Epoxy Coated	Pounds	18,350	6,060	24,410
Bar Splicers	Each	126	-	126
Aluminum Railing, Type L	Foot	263	-	263
Name Plates	Each	1	-	1
Preformed Joint Strip Seal	Foot	134	-	134
Permanent Sheet Piling	Sq. Ft.	-	4962	4962
Concrete Sealer	Sq. Ft.	-	534	534
Epoxy Crack Injection	Foot	-	85	85
Concrete Wearing Surface, 5"	Sq. Yd.	717	-	717
Asbestos Bearing Pad Removal	Each	34	-	34
Structural Repair of Concrete (Depth Equal or less than 5 inches)	Sq. Ft.	-	300.0	300.0

STATION 87+68.81
BUILT 20-- BY
VILLAGE OF VILLA PARK
LOADING HL-93
STRUCTURE NO. 022-6950

NAME PLATE

Existing Name Plate to be cleaned and relocated next to proposed name plate. Cost to be included in Name Plates. See Std. 515001

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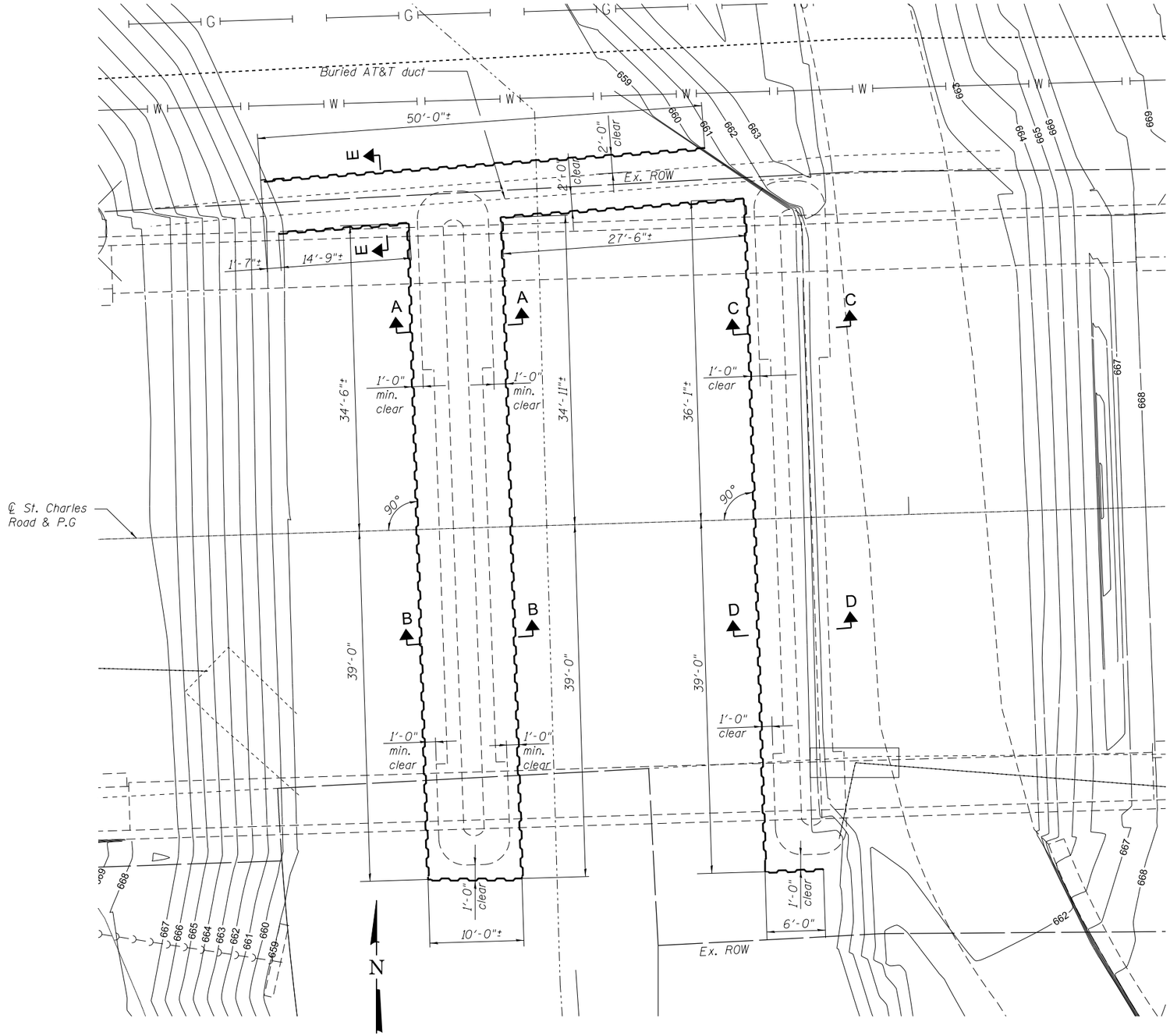
PLOT DATE = 2/13/2019	DATE - 11/16/18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 022-6950

SCALE: N.T.S. | SHEET 2 OF 28 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	42
	PROJECT:		JOB: C-91-313-15	
	ILLINOIS			



Notes:

The Contractor will notify and locate along with the AT&T Field Representative the existing buried AT&T conduits a minimum 48 hours prior to any sheet piling being driven.

See Sheet 4 of 28 for Sections A-A thru E-E.

KEY

Permanent Sheet Piling
Minimum Section Modulus
$=18.1\ in^3/ft.$

BILL OF MATERIAL

Item	Unit	Quantity
Permanent Sheet Piling	Sq. Ft.	4962

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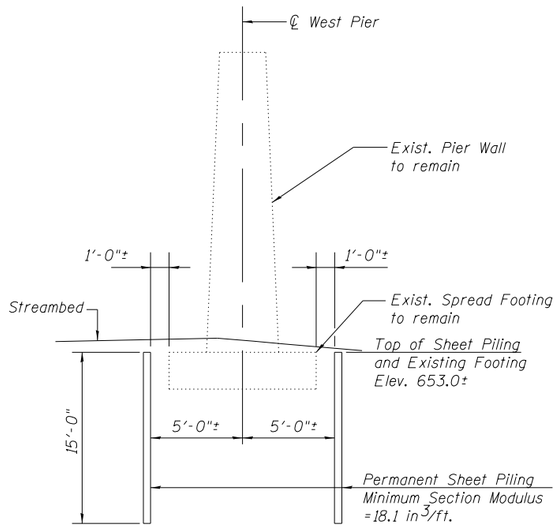
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

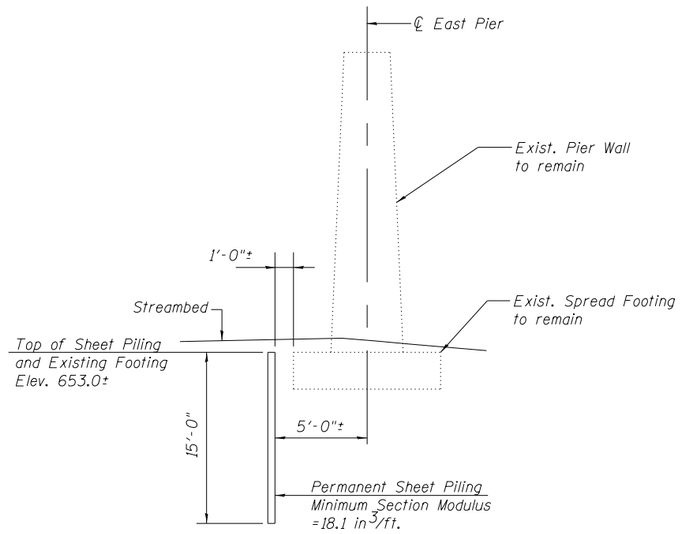
PERMANENT SHEET PILING FOR SCOUR PROTECTION PLAN
STRUCTURE NO. 022-6950

SCALE: N.T.S. | SHEET 3 OF 28 SHEETS | STA. | TO STA.

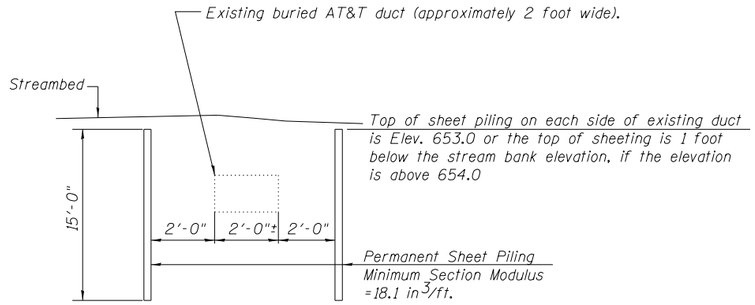
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	43
	PROJECT:		JOB: C-91-313-15	
	ILLINOIS			



SECTION A-A

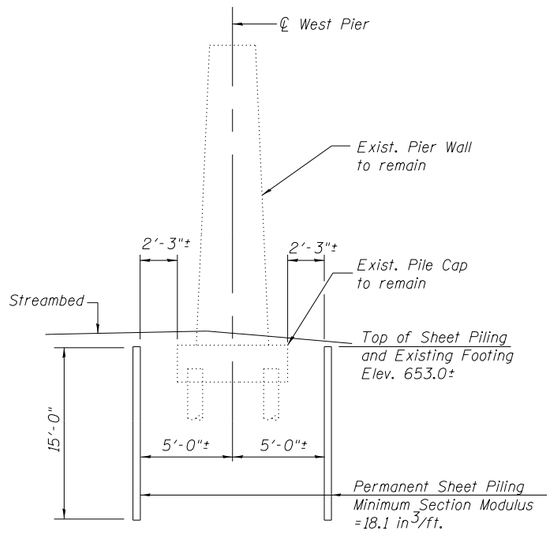


SECTION C-C

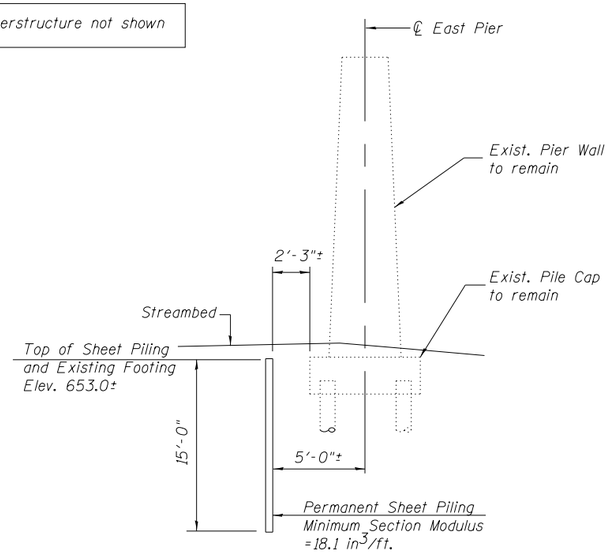


SECTION E-E

Note: Superstructure not shown



SECTION B-B



SECTION D-D

Notes:

The Contractor will coordinate with the AT&T Field Representative to locate and avoid the existing buried AT&T conduits prior to any sheet piling being driven.

See Sheet 3 of 28 for Permanent Sheet Piling Layout.

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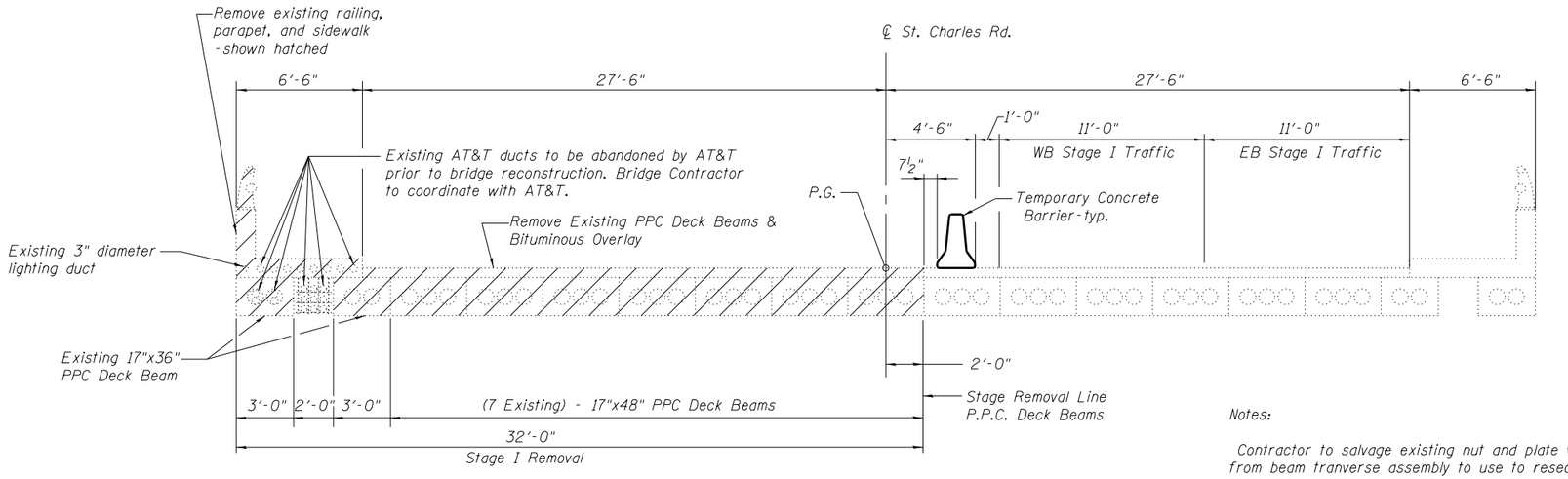
PLOT DATE = 2/13/2019	DATE - 11/16/18	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PERMANENT SHEET PILING FOR SCOUR PROTECTION
SECTIONS

SCALE: N.T.S. | SHEET 4 OF 28 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	44
	PROJECT:		JOB: C-91-313-15	
	ILLINOIS			

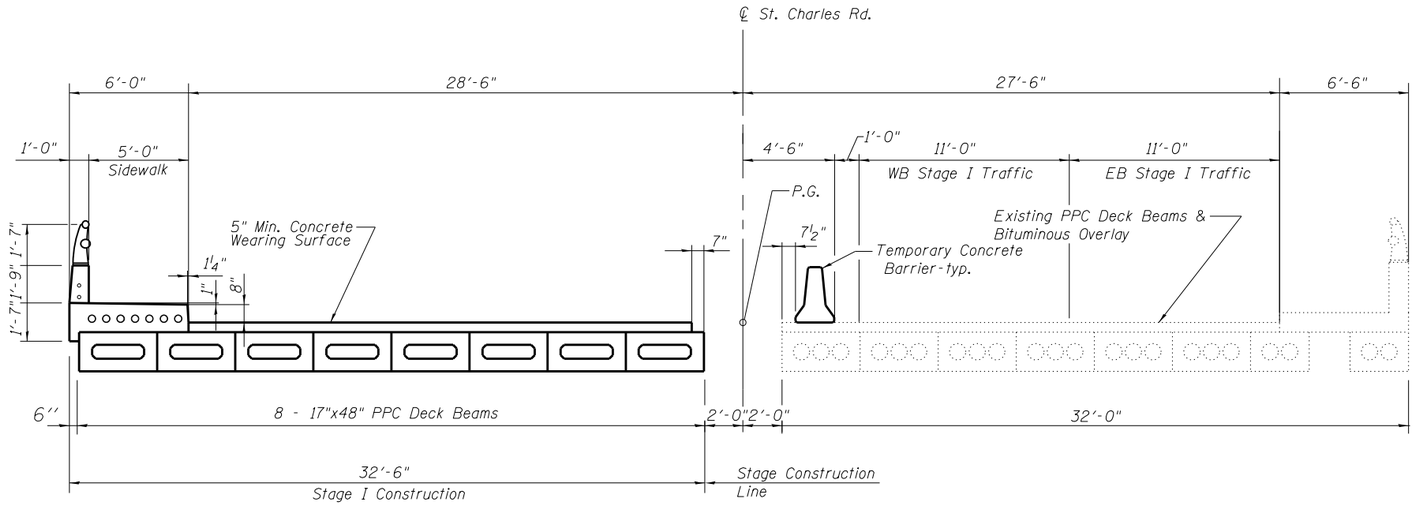


STAGE I REMOVAL

(Looking Up Station to the East)

Notes:

Contractor to salvage existing nut and plate washer from beam tranverse assembly to use to resecure the existing midspan tie assembly at the Stage Removal Line. Cost to be included Removal of Existing Superstructure. See Abutment sheets 19 & 21 of 28 for locations of Temporary Retainers that will temporarily retain the existing and proposed beams at the abutments.



STAGE I CONSTRUCTION

(Looking Up Station to the East)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE I CONSTRUCTION DETAILS
STRUCTURE NO. 022-6950

SCALE: N.T.S. | SHEET 5 OF 28 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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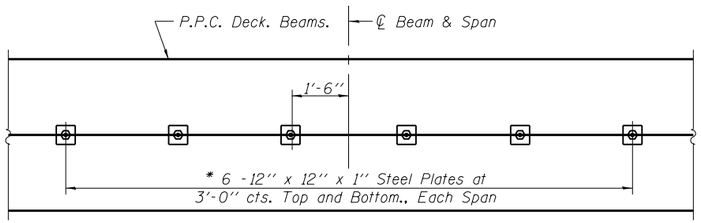
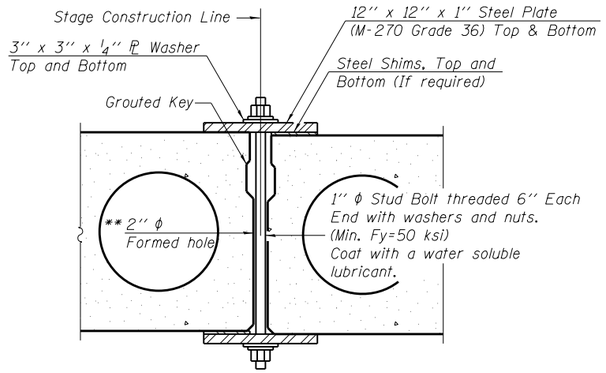
	PROJECT:		JOB: C-91-313-15	
	ILLINOIS			

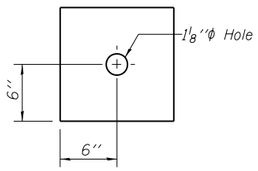


PLAN

*Space plates to miss transverse reinforcement in wearing surface.



SECTION

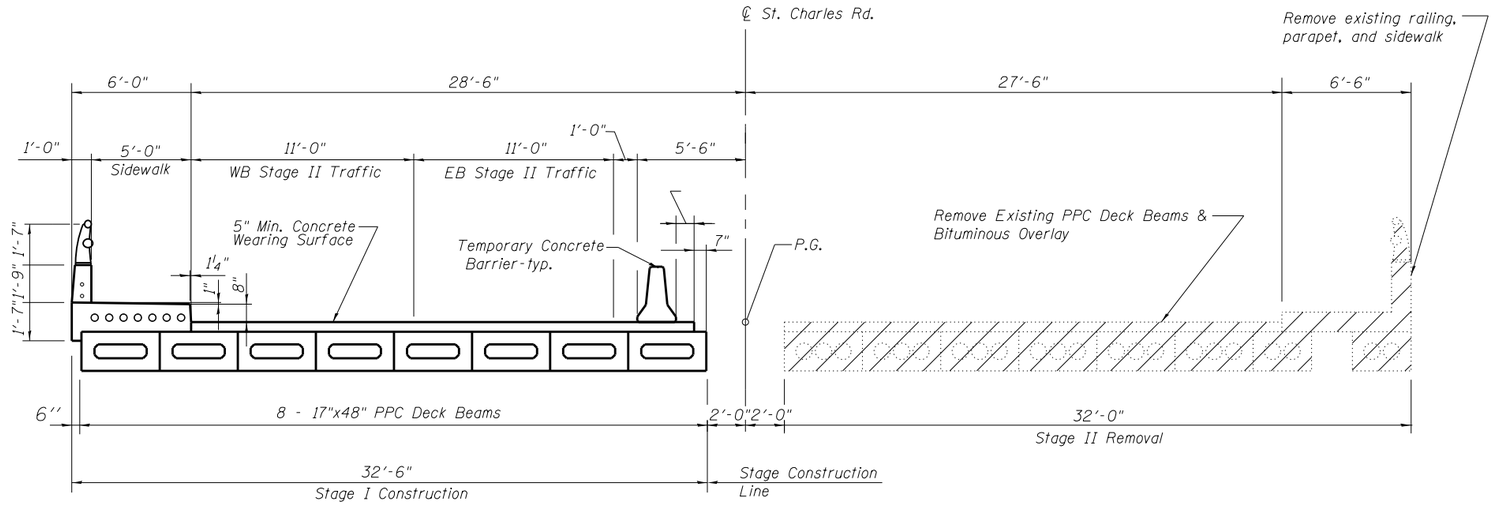


CLAMPING PLATE

SHEAR KEY CLAMPING DETAILS AT STAGE CONST. JT.

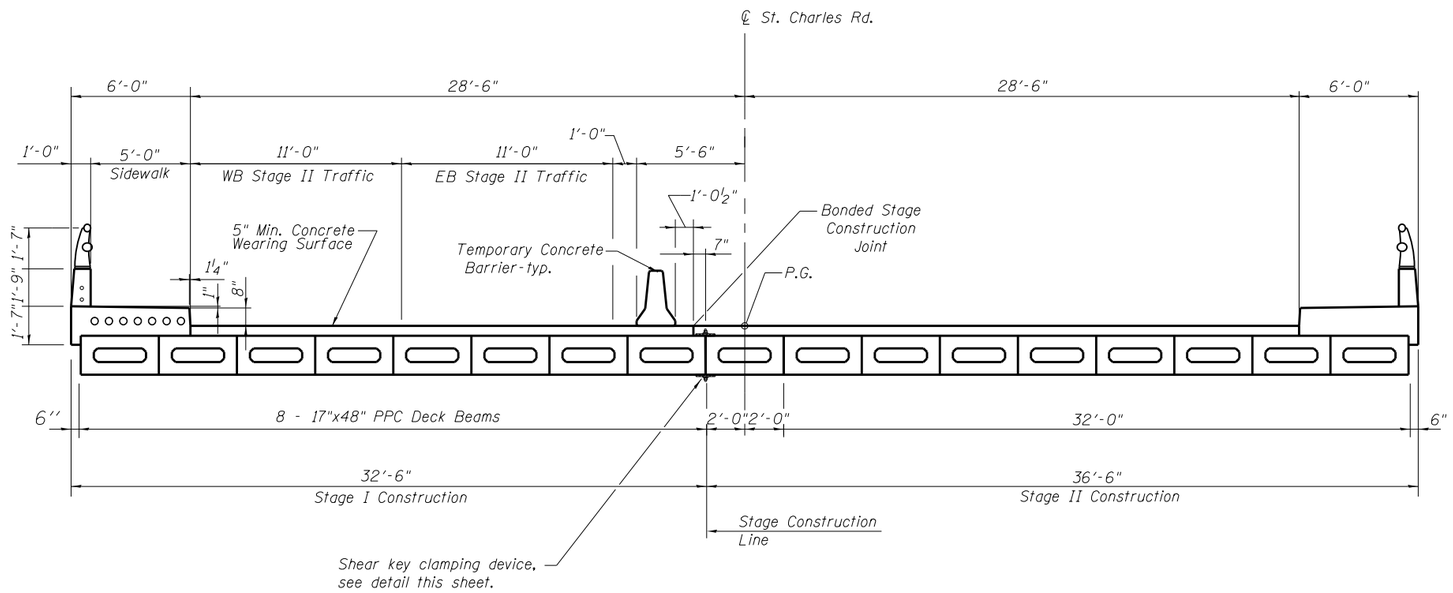
Cost included with Precast Prestressed Concrete Deck Beams.
See Stage Construction Details for traffic lanes.

** Cast semicircular recesses in the sides of each beam adjacent to the stage construction line. These recesses should align to form a hole at the appropriate locations for the clamping device bolts.



STAGE II REMOVAL

(Looking Up Station to the East)



STAGE II CONSTRUCTION

(Looking Up Station to the East)

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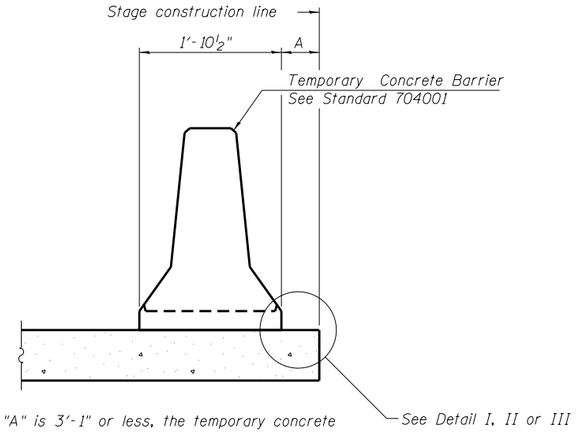
DEPARTMENT OF TRANSPORTATION

STAGE II CONSTRUCTION DETAILS
STRUCTURE NO. 022-6950

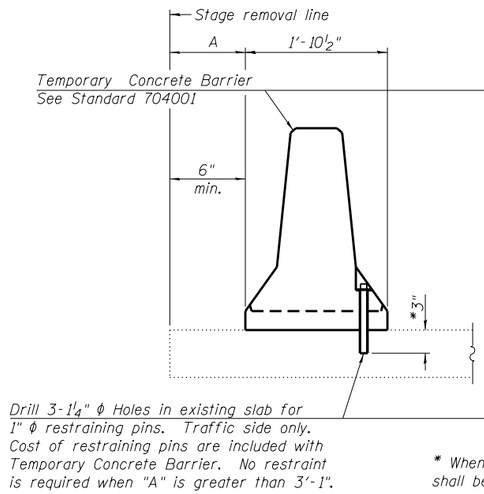
SCALE: N.T.S. | SHEET 6 OF 28 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	46
	PROJECT:		JOB: C-91-313-15	
	ILLINOIS			



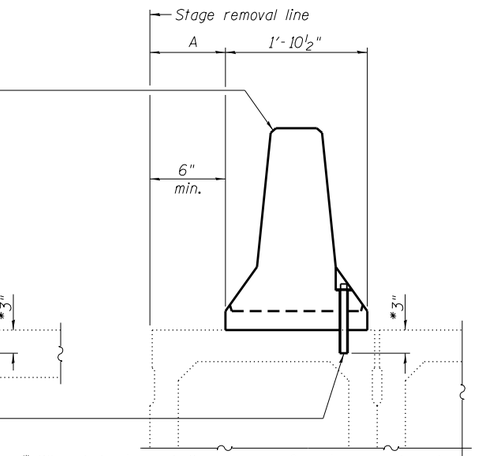
When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM



Drill 3-1¼" ϕ Holes in existing slab for 1" ϕ 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".

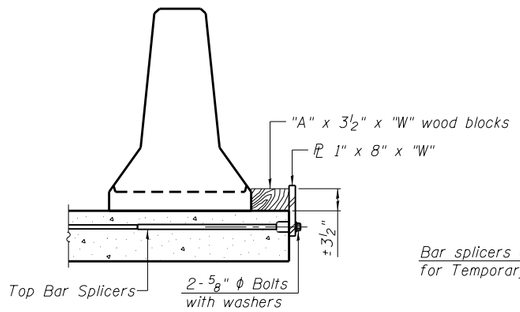
EXISTING SLAB



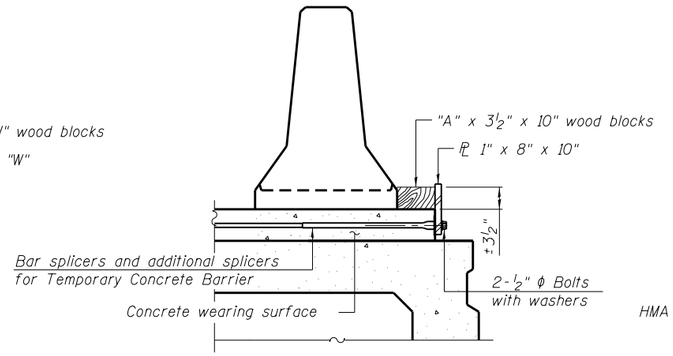
* When hot-mix asphalt wearng surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

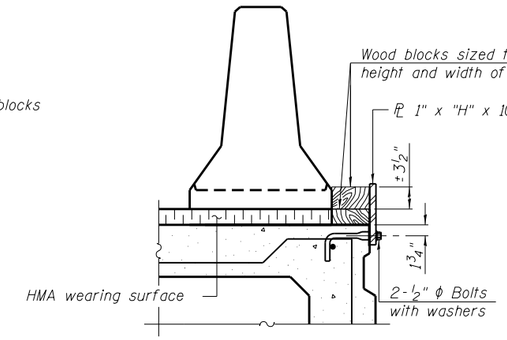
SECTIONS THRU SLAB OR DECK BEAM



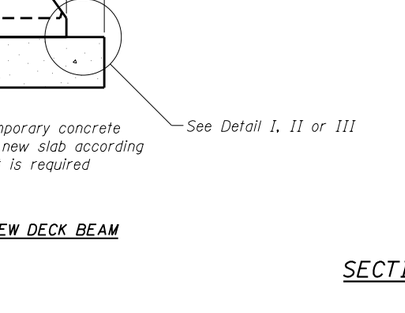
DETAIL I



DETAIL II

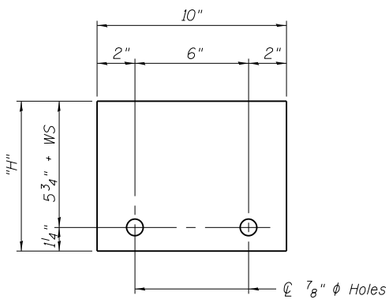


DETAIL III



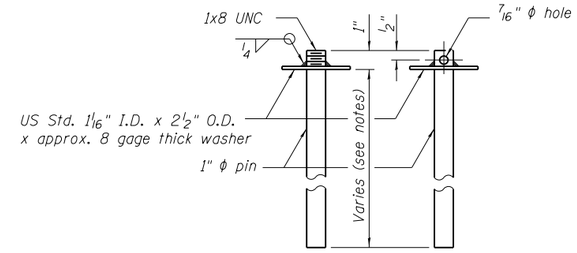
STEEL RETAINER ℄ 1" x 8" x "W"

(Detail I and II)

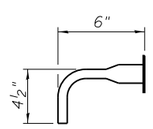


STEEL RETAINER ℄ 1" x "H" x 10"

(Detail III)



RESTRAINING PIN



BAR SPLICER FOR #4 BAR - DETAIL III

Notes:

Cost of retainer assembly is included with Temporary Concrete Barrier.

A retainer assembly shall be located at the approximate ℄ 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 1½", 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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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 022-6950

SCALE: N.T.S. | SHEET 7 OF 28 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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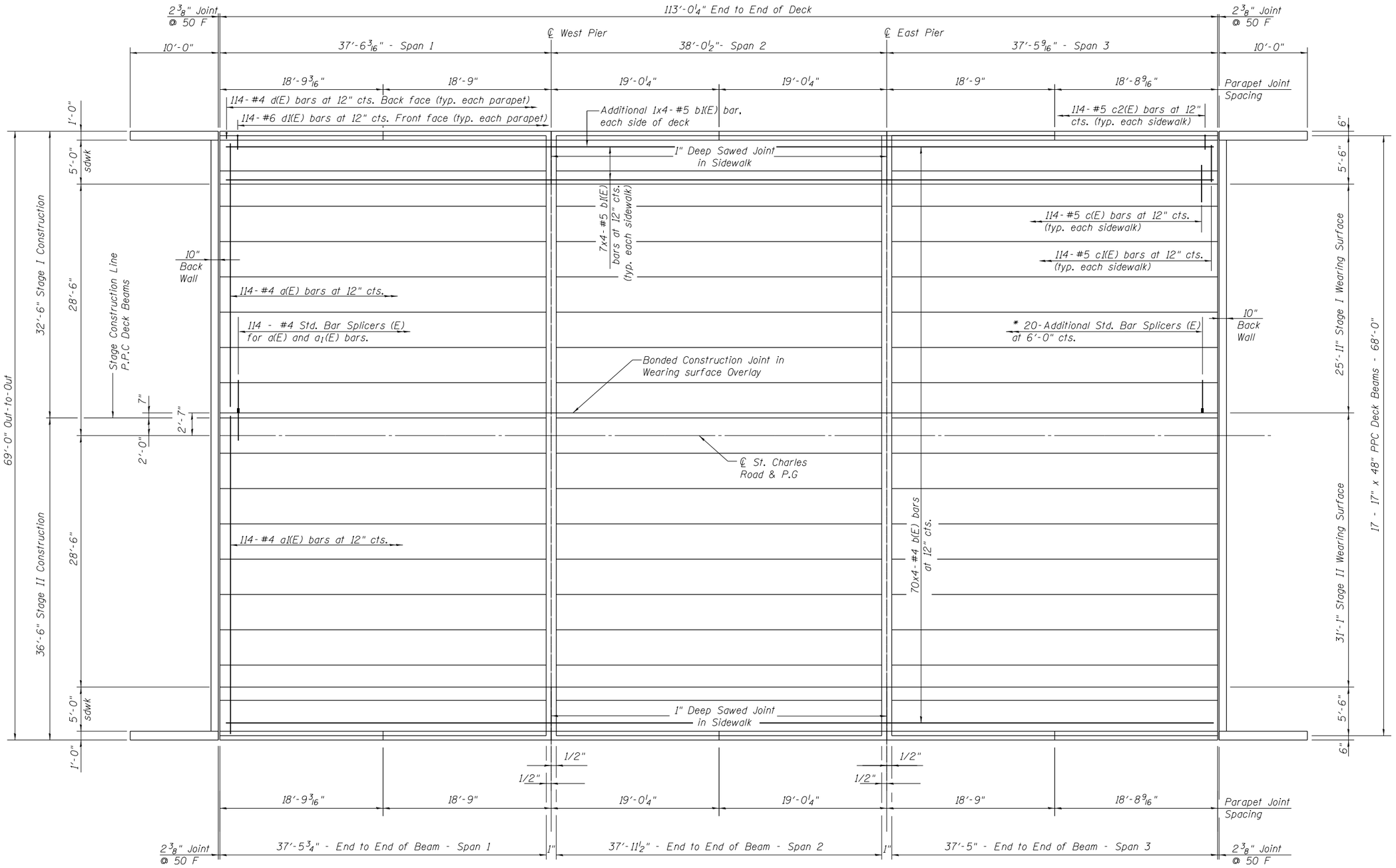
	PROJECT:		JOB: C-91-313-15	
	ILLINOIS			



MINIMUM BAR LAP

#4 bar = 2'-7"
#5 bar = 3'-3"

PLAN - WEARING SURFACE & BEAMS

*See Temporary Barrier for Stage Construction Sheet 7 of 28 for additional Bar Splicers required in Wearing Surface at Stage Joint.

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STATE OF ILLINOIS
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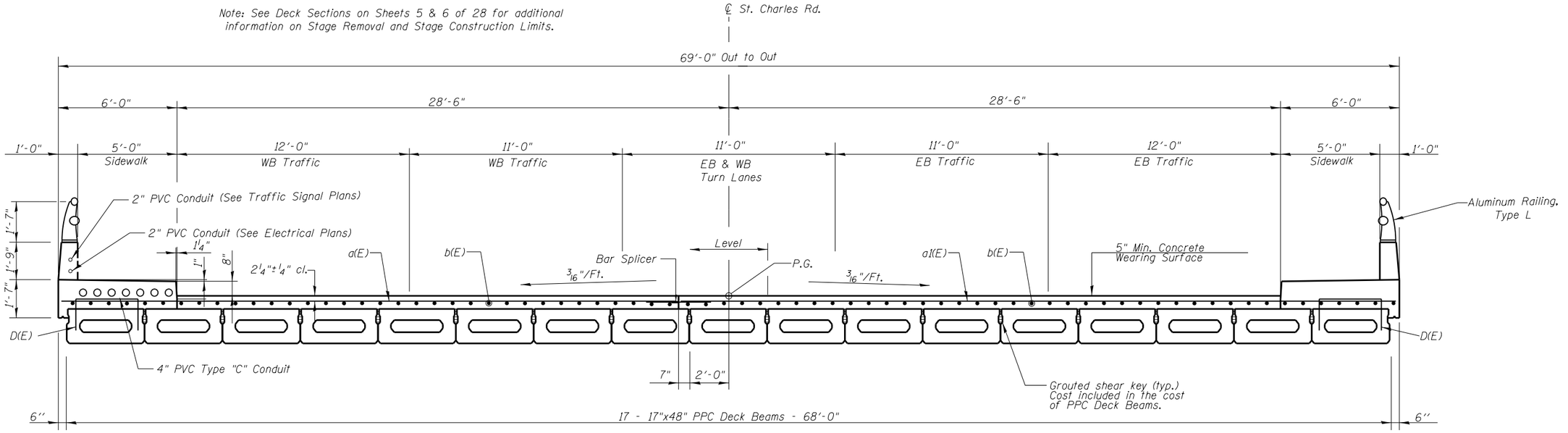
SUPERSTRUCTURE PLAN
STRUCTURE NO. 022-6950

SCALE: N.T.S. | SHEET 8 OF 28 SHEETS | STA. | TO STA.

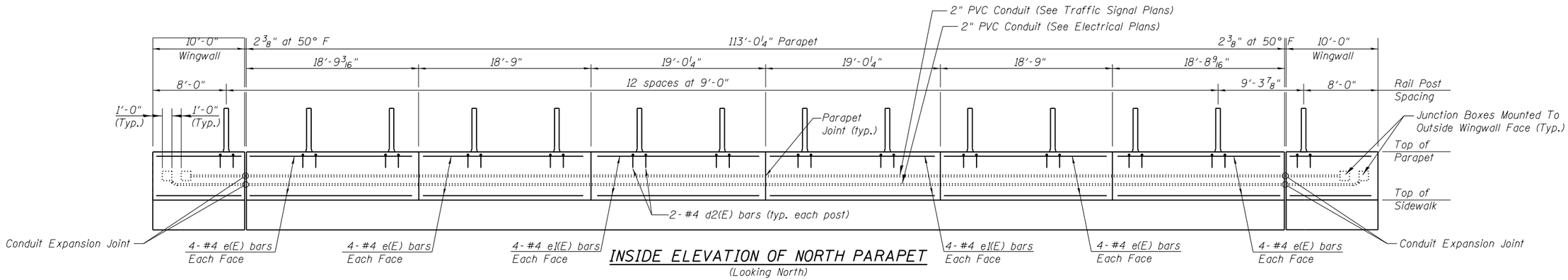
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	48
PROJECT:		JOB: C-91-313-15		
ILLINOIS				

Note: See Deck Sections on Sheets 5 & 6 of 28 for additional information on Stage Removal and Stage Construction Limits.



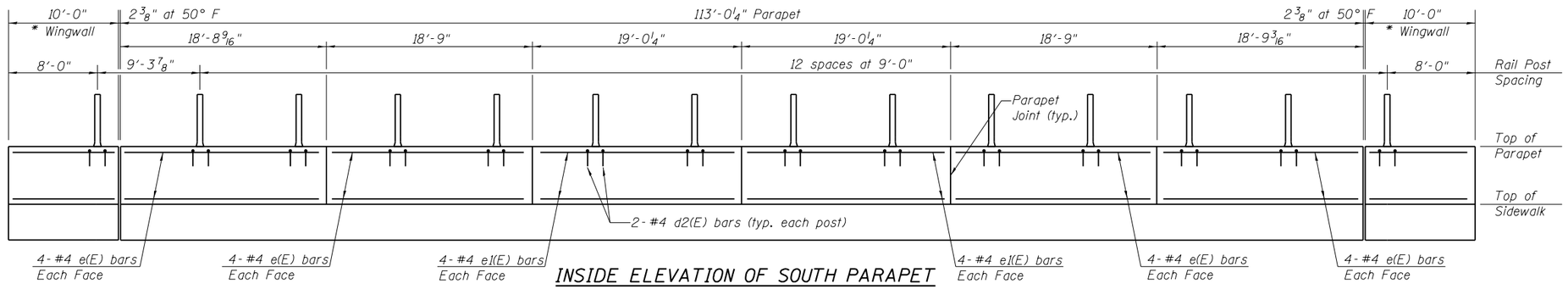
PROPOSED CROSS SECTION OF BRIDGE

(Looking Up Station to the East)



INSIDE ELEVATION OF NORTH PARAPET

(Looking North)



INSIDE ELEVATION OF SOUTH PARAPET

(Looking South)

* For wingwall reinforcement see Sheets 19 thru 22 of 28.

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SUPERSTRUCTURE CROSS SECTION AND PARAPET ELEVATIONS
STRUCTURE NO. 022-6950

SCALE: N.T.S. | SHEET 9 OF 28 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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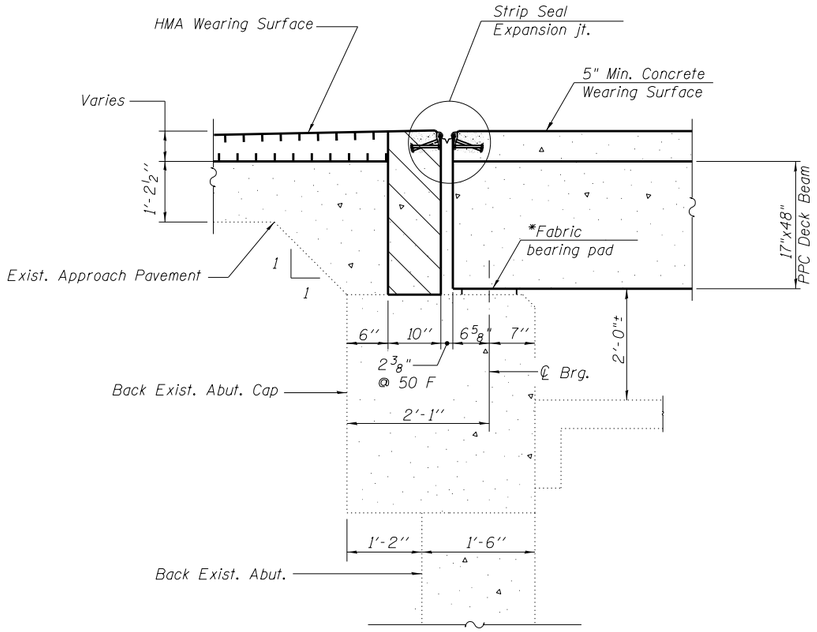
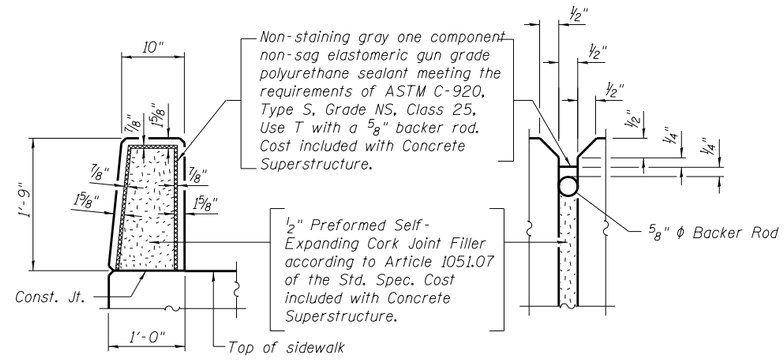
PROJECT:		JOB: C-91-313-15		
ILLINOIS				

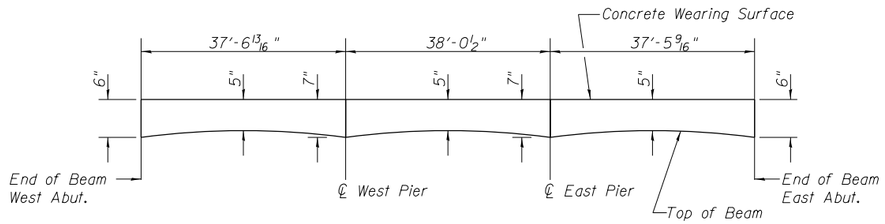


SECTION THRU EXISTING ABUTMENTS

(Dimensions are at Rt. L's)



PARAPET JOINT DETAILS



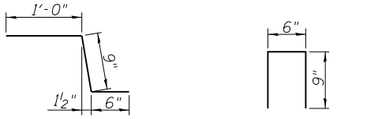
CONCRETE WEARING SURFACE PROFILE

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	114	#4	31'-7"	——
a1(E)	114	#4	36'-9"	——
b(E)	280	#4	30'-1"	——
b1(E)	64	#5	30'-7"	——
c(E)	228	#5	2'-3"	⌐
c1(E)	228	#5	5'-7"	——
c2(E)	228	#5	2'-10"	⌐
d(E)	228	#4	3'-5"	⌐
d1(E)	228	#6	3'-5"	⌐
d2(E)	48	#4	2'-0"	⊓
e(E)	64	#4	18'-5"	——
e1(E)	32	#4	18'-8"	——
Concrete Wearing Surface, 5"			Sq. Yd.	717
Protective Coat			Sq. Yd.	923.6
Bridge Deck Grooving			Sq. Yd.	691
Reinforcement Bars, Epoxy Coated			Pound	18,350
Concrete Superstructure			Cu. Yd.	77.2

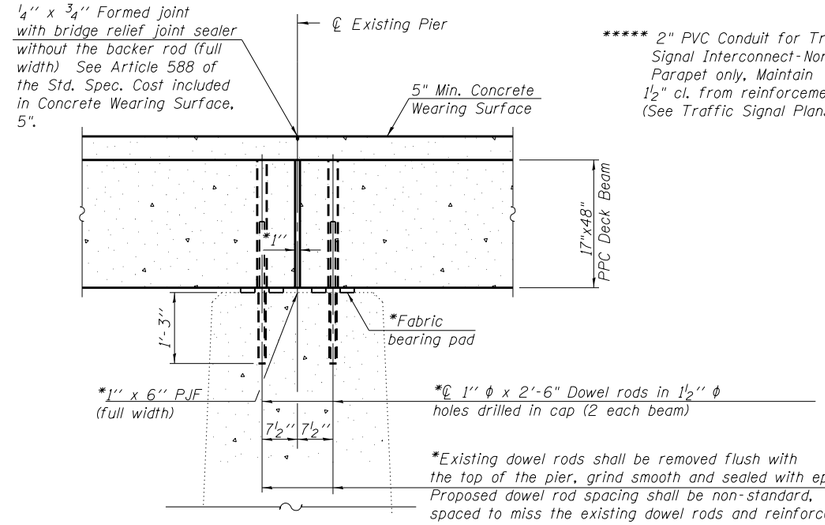
BAR d(E) and d1(E)

BAR c2(E)



BAR c(E)

BAR d2(E)

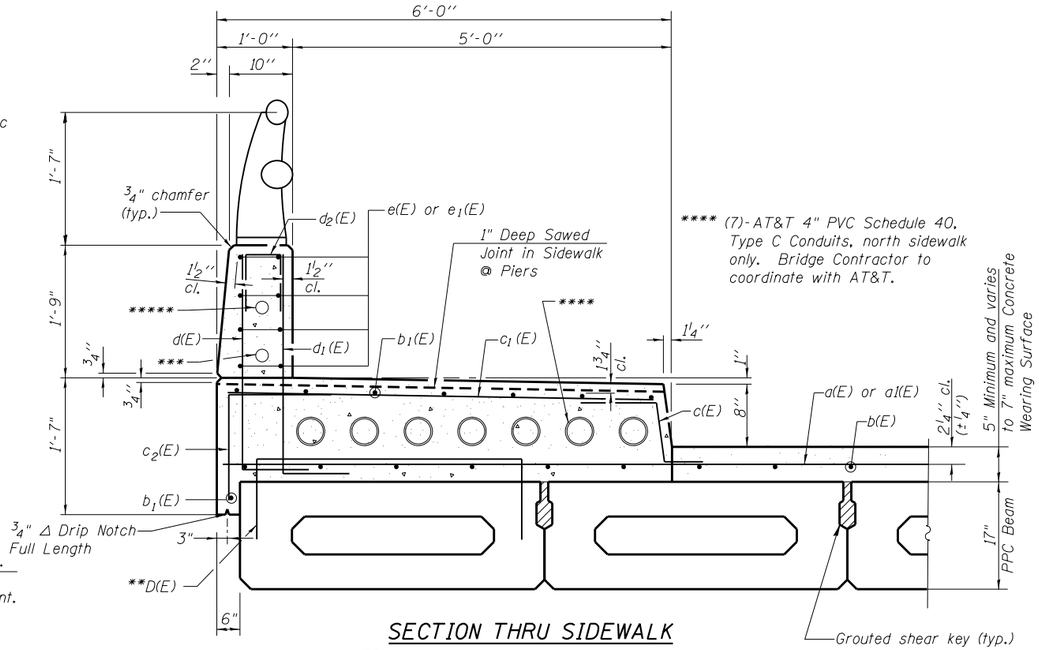


SECTION THRU EXISTING PIERS

(Dimensions are at Rt. L's)

*Cost included with Precast Prestressed Concrete Deck Beams (17" depth)

***** 2" PVC Conduit for Traffic Signal Interconnect-North Parapet only. Maintain 1½" cl. from reinforcement. (See Traffic Signal Plans)



**** (7)-AT&T 4" PVC Schedule 40, Type C Conduits, north sidewalk only. Bridge Contractor to coordinate with AT&T.

SECTION THRU SIDEWALK

*** 2" PVC Conduit, North Parapet only. Maintain 1½" cl. from reinforcement. (See Electrical Plans)

**D(E) bars cast-in-place in each outside beam. See sheet 11 of 28 for details.

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STATE OF ILLINOIS
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SUPERSTRUCTURE DETAILS
STRUCTURE NO. 022-6950

SCALE: N.T.S. | SHEET 10 OF 28 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	50
PROJECT:		JOB: C-91-313-15		
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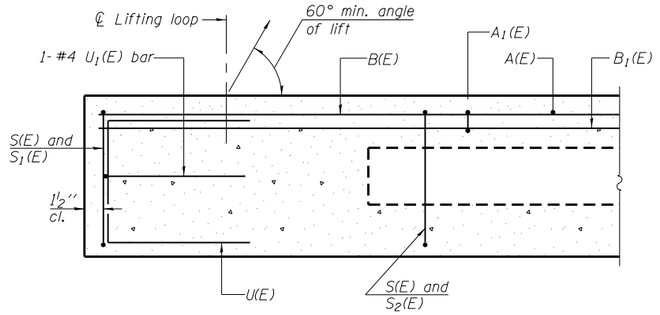
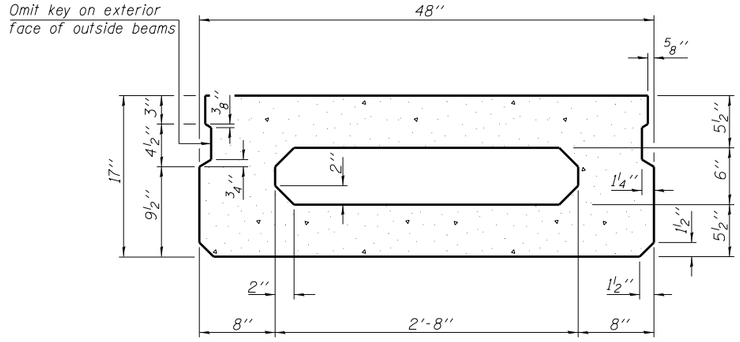
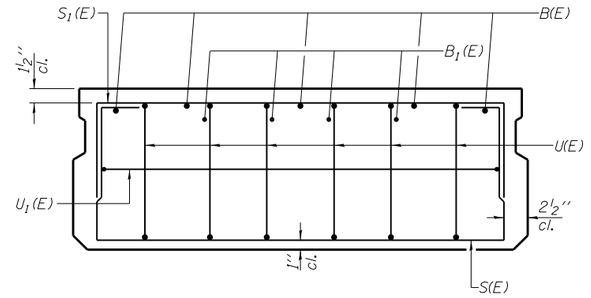


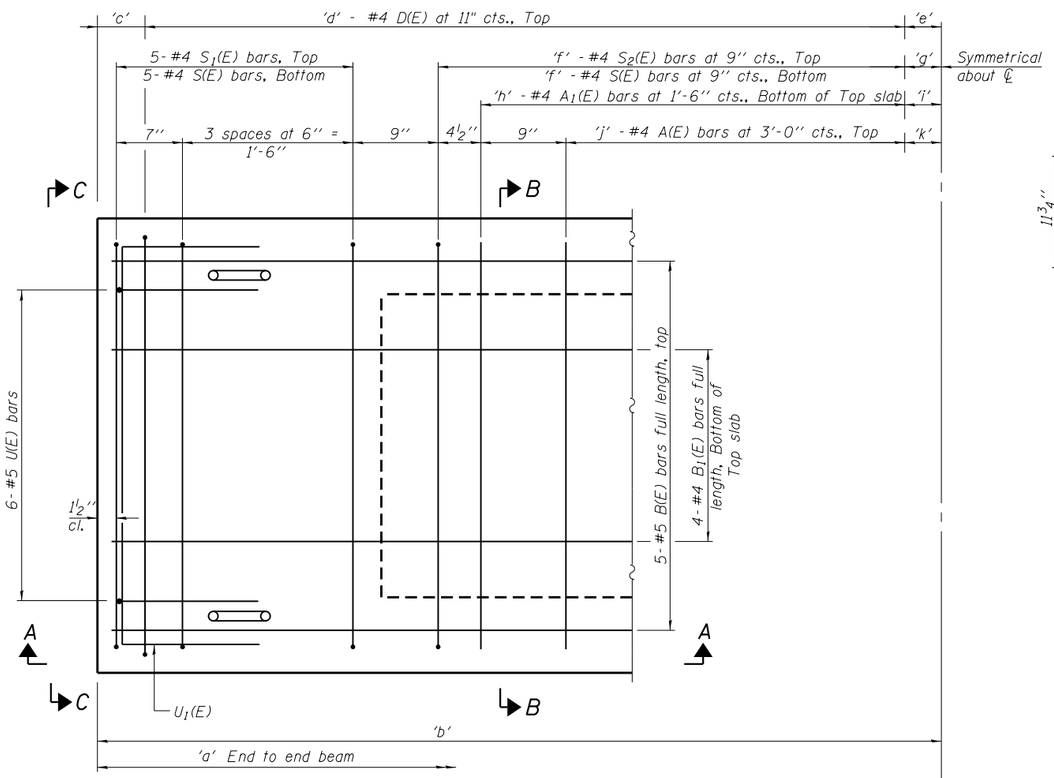
SECTION A-A



SECTION B-B
(Showing dimensions)

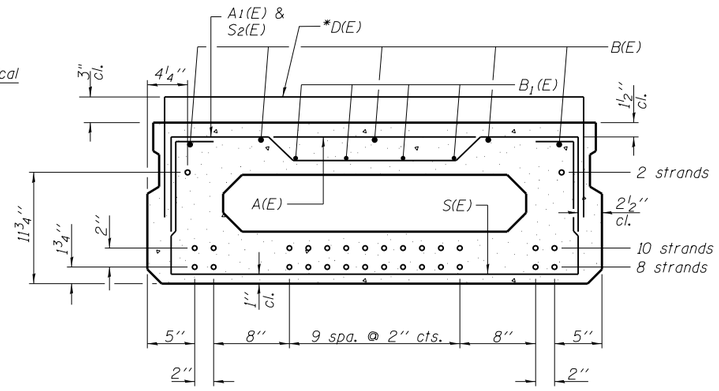


VIEW C-C



PLAN VIEW

Note: Spacing of S(E) and S_2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.



SECTION B-B
(Showing reinforcement and permissible strand locations)

Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

* Cast in place D(E) bars in each outside beam's only spans 1, 2, and 3

	Span 1	Span 2	Span 3
a	37'-5 3/4"	37'-11 1/2"	37'-5"
b	18'-8 7/8"	18'-11 3/4"	18'-8 1/2"
c	4 7/8"	7 3/4"	4 1/2"
d	20+1	20+1	20+1
e	11"	11"	11"
f	21+1	22	21+1
g	9 1/8"	3"	8 3/4"
h	11	11	11
i	4 5/8"	7 1/2"	4 1/4"
j	5+1	5+1	5+1
k	2'-7 5/8"	2'-10 1/2"	2'-7 1/4"

MINIMUM BAR LAP
#4 bar = 2'-0"
#5 bar = 2'-6"

BAR LIST
ONE BEAM ONLY - SPANS 1 & 3
(For information only)

	Bar	No.	Size	Length	Shape
	A(E)	11	#4	3'-7"	—
	A1(E)	22	#4	3'-10"	∼
	B(E)	5	#5	37'-2"	—
	B1(E)	4	#4	37'-2"	—
*	D(E)	41	#4	5'-7"	⊐
	S(E)	53	#4	6'-9"	⊐
	S1(E)	10	#4	5'-3"	⊐
	S2(E)	43	#4	5'-6"	⊐
	U(E)	12	#5	3'-8"	⊏
	U1(E)	2	#4	6'-0"	⊐

Note: See sheet 12 of 28 for additional details and Bill of Material.

BAR LIST
ONE BEAM ONLY - SPAN 2
(For information only)

	Bar	No.	Size	Length	Shape
	A(E)	11	#4	3'-7"	—
	A1(E)	22	#4	3'-10"	∼
	B(E)	5	#5	37'-9"	—
	B1(E)	4	#4	37'-7"	—
*	D(E)	41	#4	5'-7"	⊐
	S(E)	54	#4	6'-9"	⊐
	S1(E)	10	#4	5'-3"	⊐
	S2(E)	44	#4	5'-6"	⊐
	U(E)	12	#5	3'-8"	⊏
	U1(E)	2	#4	6'-0"	⊐

Note: See sheet 12 of 28 for additional details and Bill of Material.

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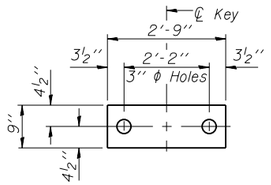
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

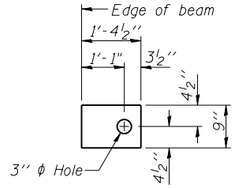
17" x 48" PPC DECK BEAMS SPANS 1, 2, & 3
STRUCTURE NO. 022-6950

SCALE: N.T.S. | SHEET 11 OF 28 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	51
	PROJECT:		JOB: C-91-313-15	
	ILLINOIS			



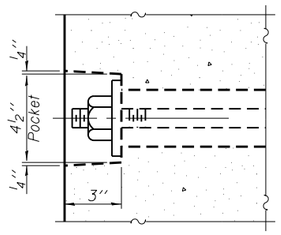
FABRIC BEARING PAD
(Interior)



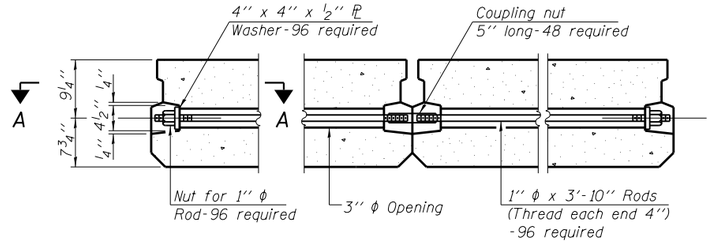
FABRIC BEARING PAD
(Exterior)

FIXED

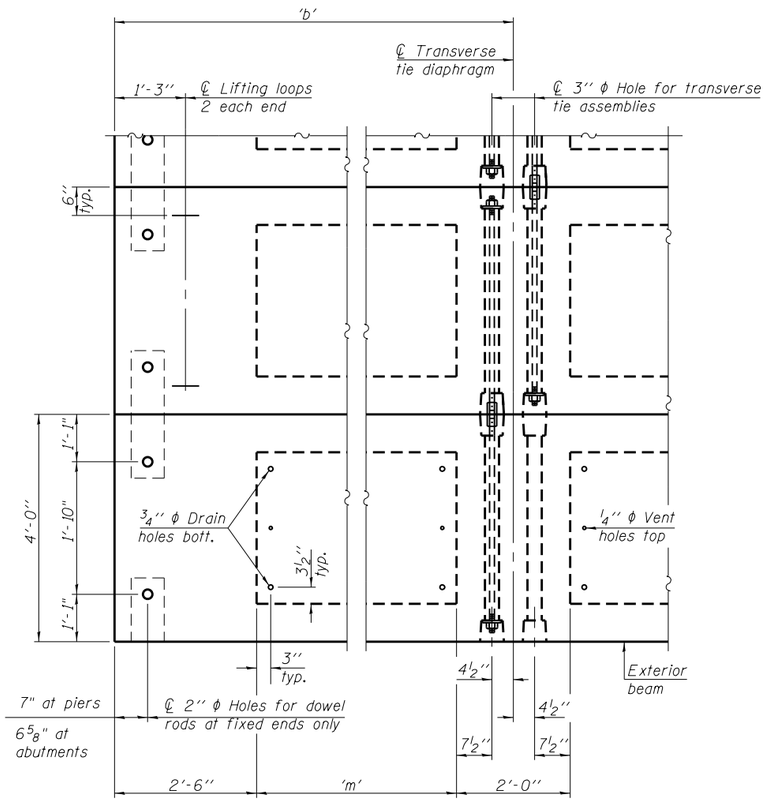
Notes:
All bearing pads shall be 1" thick.
Omit holes when using expansion bearings.
Expansion bearing pad shall be bonded to the substructure.



SECTION A-A



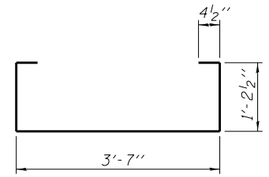
TYPICAL TRANSVERSE TIE ASSEMBLY



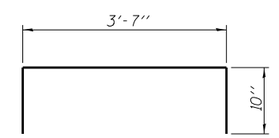
PLAN VIEW

Note: 1. Connect beams in pairs with the transverse tie configuration shown.

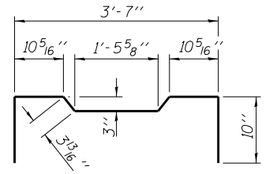
2. All beam ends fixed, except at abutments which will have expansion bearings.



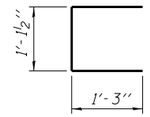
BAR S(E)



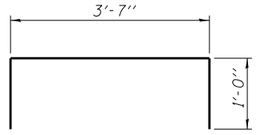
BAR S_1(E)



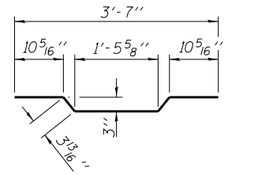
BAR S_2(E)



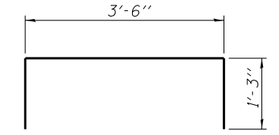
BAR U(E)



BAR D(E)



BAR A_1(E)



BAR U_1(E)

BEAM VARIABLES

	Span 1	Span 2	Span 3
b	18'-8 7/8"	18'-11 3/4"	18'-8 1/2"
m	15'-2 7/8"	15'-5 3/4"	15'-2 1/2"

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be ½" and the nominal cross-sectional area shall be 0.153 sq. in.

The 1" ϕ rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.

Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions).

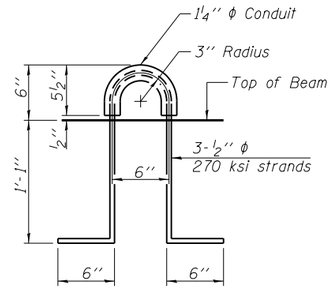
Two ⅛" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

A minimum 2½" ϕ lifting pin shall be used to engage the lifting loops during handling.

Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.

Compressive strength of prestressed concrete, f'c, shall be 6000 psi.

Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.



LIFTING LOOP DETAIL

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (17" depth)	Sq. Ft.	7675

Note: See sheet 11 of 28 for additional details.

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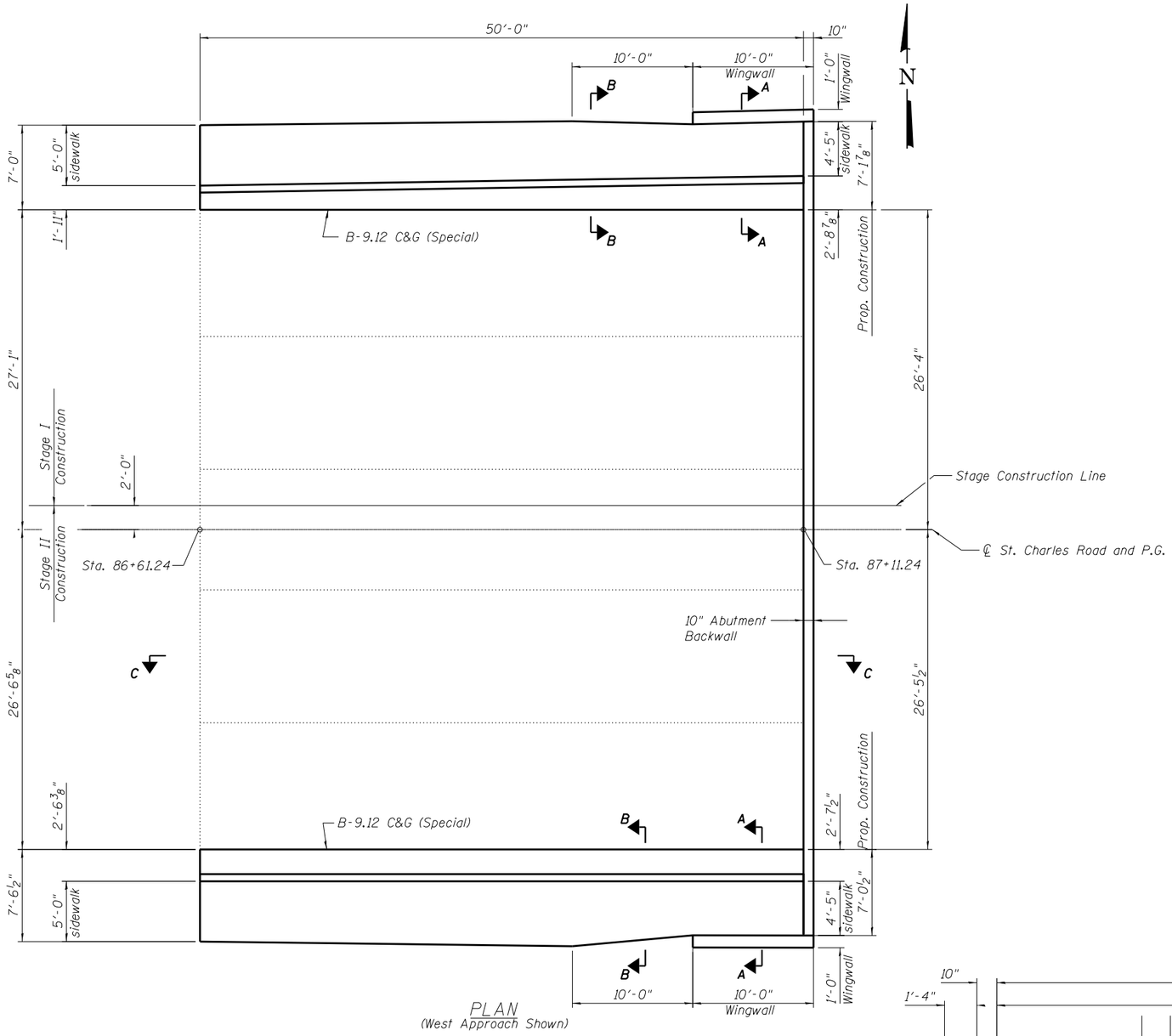
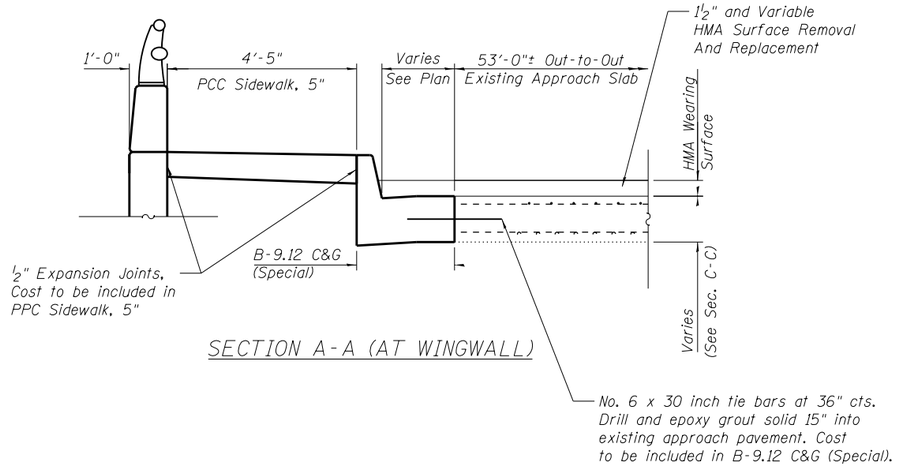
17" x 48" PPC DECK BEAM DETAILS SPANS 1, 2, & 3
STRUCTURE NO. 022-6950

SCALE: N.T.S. | SHEET 12 OF 28 SHEETS | STA. | TO STA.

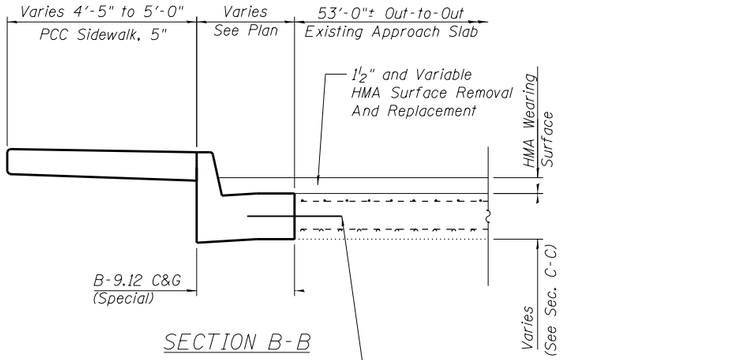
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	52
	PROJECT:		JOB: C-91-313-15	
	ILLINOIS			



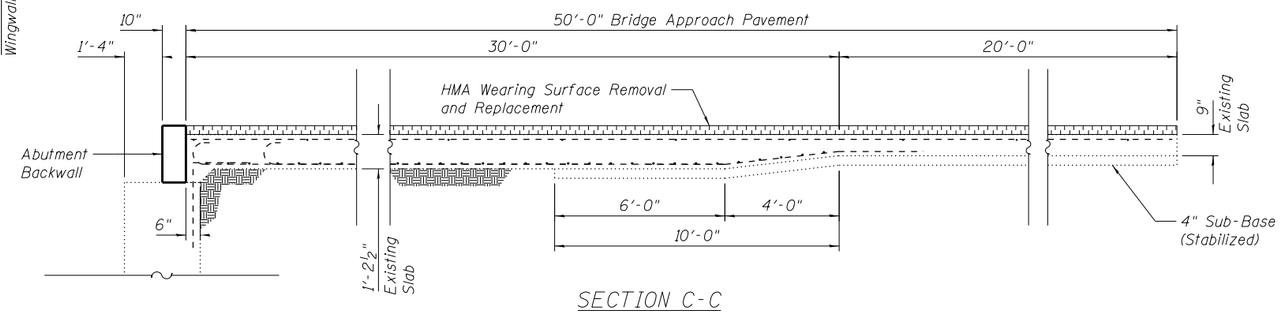
PLAN
(West Approach Shown)



SECTION A-A (AT WINGWALL)



SECTION B-B



SECTION C-C

Note: PCC Sidewalk, 5", B-9.12 C&G (Special), Tie Bars, PCC Base Course, 9", and 1 1/2" and Variable HMA Surface Removal and Replacement shown for information only. See Roadway Plans for Quantities.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 022-6950

SCALE: N.T.S. | SHEET 13 OF 28 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	15-00094-00-BR	DUPAGE	106	53
PROJECT:		JOB: C-91-313-15		
ILLINOIS				