

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAI ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0090	2019-082-RS&T	COOK	119	1
CONTRACT NO. 62J59				

PROPOSED HIGHWAY PLANS

FAI ROUTE 90 (KENNEDY EXPRESSWAY) I-90
FROM IL ROUTE 43 TO I-94
(EDENS EXPRESSWAY)
SECTION 2019-082-RS&T
PROJECT NHPP-35N3(515)
DESIGNED OVERLAY
COOK COUNTY

C-91-002-20

D-91-190-19



FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

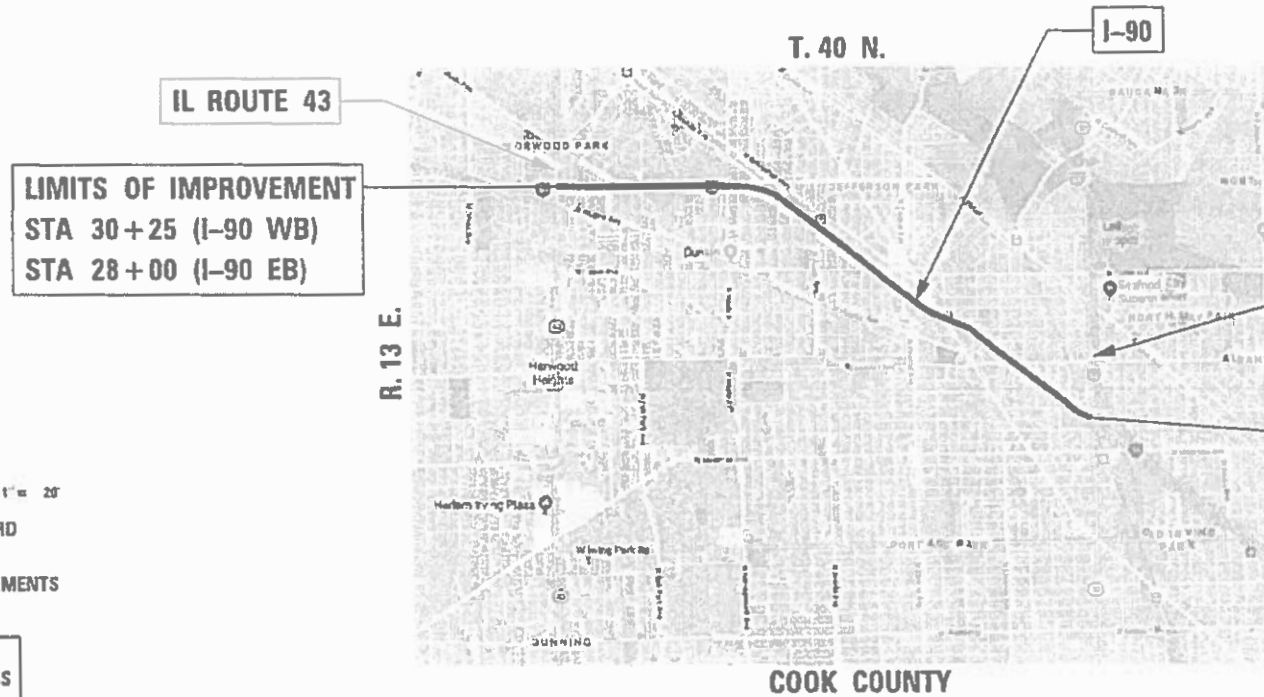
IMPROVEMENT IS LOCATED IN THE
CITY OF CHICAGO

TRAFFIC DATA

FUNCTIONAL CLASSIFICATION: URBAN INTERSTATE
2017 ADT = 179,000
POSTED SPEED = 55 MPH

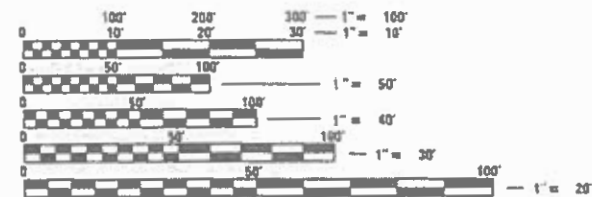


LOCATION MAP
NOT TO SCALE



LIMITS OF IMPROVEMENT
STA 30+25 (I-90 WB)
STA 28+00 (I-90 EB)

LIMITS OF IMPROVEMENT
STA 219+00 (I-90 WB)
STA 219+50 (I-90 EB)



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

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

PROJECT ENGINEER DANIEL WILGREEN, PE (847)705-4240
PROJECT MANAGER FAWAD AQUEEL, PE (847)705-4247

CONTRACT NO. 62J59

GROSS LENGTH = 18638.40 FT. = 3.53 MILE
NET LENGTH = 18638.40 FT. = 3.53 MILE



Signature
Date: 01/08/2020
License Expires: 11/30/2021

EFK Moen
Civil Engineering Design

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED January 14, 2020

Anthony J. Quigley REGIONAL ENGINEER

Markus ENGINEER OF DESIGN AND ENVIRONMENT

Markus DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-03	CLASS C AND D PATCHES
601001-05	PIPE UNDERDRAINS
602001-02	CATCH BASIN TYPE A
602301-04	INLET TYPE A
602401-06	PRECAST MANHOLE TYPE A 4' DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS TYPE 1
604071-05	FRAME AND GRATE TYPE 20
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630001-12	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
631046-04	TRAFFIC BARRIER TERMINAL, TYPE 10
635001-02	DELINEATORS
642001-02	SHOULDER RUMBLE STRIPS, 16 IN.
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS < 40 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701446-10	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
725001-01	OBJECT AND TERMINAL MARKERS
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS AND MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

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USER NAME = RGal	DESIGNED - RG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES			F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN - CS/JB	CHECKED - JH	REVISED -					90	2019-082-RS&T	COOK	119	2
PLOT SCALE = 100,0000' / in.	DATE - 03/10/2020	REVISED -		SCALE: 1"=50'			CONTRACT NO. 62J59				
PLOT DATE = 3/10/2020	DATE - 03/10/2020	REVISED -		SHEET OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF CHICAGO.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
5. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
6. THE RESIDENT ENGINEER SHALL CONTACT THE EXPRESSWAY FIELD ENGINEER AT 847-705-4155 A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
7. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
8. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD, FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING, EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
9. THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS WHEN USING ARTIFICIAL LIGHTING DURING NIGHT OPERATIONS TO PREVENT ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
10. THE ALIGNMENTS AND SUPPORTING DATA SHOWN IN THE PLANS IS FOR REFERENCE PURPOSES ONLY. THE RELATIVE ACCURACY OF THE INFORMATION IS UNKNOWN AND CANNOT BE GUARANTEED. THE CONTRACTOR MAY BE REQUESTED TO ADJUST LAYOUT TO MATCH ACTUAL FIELD CONDITIONS AND THE INTENT OF THE PLANS.
11. NO MATERIAL SHOULD BE LEFT ON OR NEAR THE ROADWAY DURING NON-WORKING HOURS.
12. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO THE ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
13. MILLING AND RESURFACING OPERATIONS SHALL BE COMPLETED PRIOR TO THE INSTALLATION OF PROPOSED SHOULDER RUMBLE STRIPS.
14. SHOULDER RUMBLE STRIPS SHALL BE OMITTED WHEN CROSSING EXISTING DRAINAGE STRUCTURES, EXISTING PAVEMENT MARKINGS, AND LOCATIONS OF EXISTING SHOULDER RUMBLE STRIPS.
15. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT AT NO ADDITIONAL COST TO THE DEPARTMENT.
16. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE DETAIL TC-11 "RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" AND TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKINGS DETAILS".
17. ALL PAVEMENT PATCHING LOCATIONS WILL BE AS SHOWN ON THE PLANS AND AS DETERMINED IN THE FIELD BY THE ENGINEER.
18. LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE AS SHOWN ON THE PLANS AND AS DETERMINED IN THE FIELD BY THE ENGINEER.
19. THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.

GENERAL NOTES (CONT.)

20. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE DISTRICT ONE DETAIL BD-32 "BUTT JOINTS AND HMA TAPER" INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
21. ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS, AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLANS.
22. ALL EXCESS MATERIAL (BROKEN CONCRETE, CULVERT PIPE, WASTE ROADWAY EXCAVATION, SURPLUS MATERIAL FROM SEWER TRENCHES, ETC.) SHALL BE LEGALLY DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SELECT DUMP SITES AND OBTAIN PERMISSION AND ALL NECESSARY PERMITS TO USE SUCH DUMP SITES, PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.
23. 10 FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURB AND GUTTER AND MEDIAN ITEMS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED LARGER ITEM OF SPECIFIED WORK.
24. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED, ANY DAMAGE DONE TO THE EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S OWN EXPENSE.
25. THE CONTRACTOR SHALL REPORT CLEARANCES UNDER BRIDGES BEFORE AND AFTER PROPOSED RESURFACING, AND NOTIFY THE ENGINEER OF ANY CHANGES.

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PLOT DATE = 1/30/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	3
CONTRACT NO. 62J59				
		ILLINOIS	FED. AID PROJECT	

DRAINAGE AND UTILITIES GENERAL NOTES:

1. BEFORE ORDERING STORM SEWERS, CATCH BASINS, PIPE CULVERTS, PIPE DRAINS, MANHOLES, INLETS, AND SCUPPERS, THE CONTRACTOR SHALL REVIEW EXISTING FIELD CONDITIONS AND THE DRAINAGE SCHEDULES FOUND IN THE PLANS FOR THE EXACT LENGTH AND QUANTITY REQUIRED.
2. THE CONTRACTOR SHALL MAINTAIN THE SURFACE DRAINAGE OF ALL ROADWAYS DURING CONSTRUCTION OF THIS PROJECT. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE AND PUBLIC DRAINS, SEWERS, INLETS, AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER, WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE SAME. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM ALL OF THESE TEMPORARY CONNECTIONS UNTIL INSTALLATION IS COMPLETE. INCLUDING PAVEMENT. THIS WORK SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT. COORDINATION WITH ALL AGENCIES INVOLVED IS REQUIRED.
3. ALL EXISTING STORM SEWERS OR DRAINAGE STRUCTURES MARKED FOR REMOVAL ON THE PLANS OR DESIGNATED IN THE FIELD BY THE ENGINEER TO BE REMOVED SHALL BE REMOVED AND ANY EXCAVATION SHALL BE BACKFILLED WITH A GRANULAR MATERIAL MEETING THE SPECIFICATIONS FOR FA-1 OR FA-2. THE COST OF ALL LABOR AND MATERIALS REQUIRED TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICES FOR STORM SEWER OR DRAINAGE STRUCTURE REMOVAL UNLESS PAID FOR AS A SPECIFIC ITEM.
4. DRAINAGE STRUCTURE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE AS SHOWN ON THE PLANS AND AS DETERMINED IN THE FIELD BY THE ENGINEER.
5. THE LOCATION AND ELEVATION OF EXISTING UTILITIES ARE APPROXIMATE AND ARE PROVIDED BY THE OWNERS OF THE UTILITIES.
6. THE COST OF MAKING STORM SEWER CONNECTIONS TO EXISTING OR PROPOSED SEWER OR STRUCTURE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE STORM SEWER BEING CONNECTED.
7. MANHOLES AND CATCH BASINS SHALL BE CONSTRUCTED WITH FLAT TOPS WHERE THE DIFFERENCE BETWEEN THE RIM ELEVATION AND INVERT ELEVATION IS LESS THAN SIX (6) FEET.
8. FOR STORM SEWER CONSTRUCTED UNDER THE ROADWAY, BACKFILLING METHODS, TWO AND THREE AUTHORIZED UNDER THE PROVISIONS OF ARTICLE 555.07 OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED.
9. TRENCHES CROSSING TRAFFIC LANES SHALL BE PATCHED WITH CLASS D PATCHES PRIOR TO OPENING THE LANES TO TRAFFIC AT THE END OF ALLOWABLE LANE CLOSURE HOURS.
10. ALL ADJUSTMENTS OR RECONSTRUCTION'S SHALL INCLUDE THE REMOVAL AND REPLACEMENT, AT THE CONTRACTOR'S EXPENSE, OF ALL UNSUITABLE ADJUSTING RINGS.
11. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
12. STORM SEWERS TO BE CLEANED SHALL BE SHOWN ON THE PLANS AND AS DETERMINED IN THE FIELD BY THE ENGINEER.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE AT THE CONTRACTORS EXPENSE.

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PLOT DATE = 1/30/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	4
CONTRACT NO. 62J59				
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE	
				90% FED 10% STATE	100% STATE
				ROADWAY 0005	ROADWAY 0005
20200100	EARTH EXCAVATION	CU YD	150	150	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	115	115	
20800150	TRENCH BACKFILL	CU YD	326	326	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	900	900	
21301060	EXPLORATION TRENCH 60" DEPTH	FOOT	300	300	
25000210	SEEDING, CLASS 2A	ACRE	0.25	0.25	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	23	23	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	23	23	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	23	23	
25100630	EROSION CONTROL BLANKET	SQ YD	932	932	
28100107	STONE RIPRAP, CLASS A4	SQ YD	52	52	
28200200	FILTER FABRIC	SQ YD	70	70	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	169240	169240	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	326	326	

* DENOTES SPECIAL PROVISION REQUIRED
** DENOTES SPECIALTY ITEM

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PLOT DATE = 1/31/2020	CHECKED - JH	REVISED -
	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
I-90 (IL. RTE. 43 - I-94)**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	5
			CONTRACT NO. 62J59	
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE	
				90% FED 10% STATE	100% STATE
				ROADWAY 0005	ROADWAY 0005
* 40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	2495	2495	
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	4540	4540	
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	1452	1452	
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	6690	6690	
40605015	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT 12.5, N80	TON	29047	29047	
40605036	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "F", N80	TON	20909	20909	
42001300	PROTECTIVE COAT	SQ YD	2254	2254	
44000100	PAVEMENT REMOVAL	SQ YD	356	356	
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	34567	34567	
44000168	HOT-MIX ASPHALT SURFACE REMOVAL, 4 3/4"	SQ YD	216157	216157	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1204	1204	
* 44002210	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 2 1/2"	SQ YD	1383	1383	
* 44002219	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 4 3/4"	SQ YD	8646	8646	
44004250	PAVED SHOULDER REMOVAL	SQ YD	199	199	

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** DENOTES SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
I-90 (IL. RTE. 43 - I-94)**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	6
			CONTRACT NO. 62J59	
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE	
				90% FED 10% STATE	100% STATE
				ROADWAY 0005	ROADWAY 0005
44201385	CLASS C PATCHES, TYPE I, 13 INCH	SQ YD	95	95	
44201396	CLASS C PATCHES, TYPE IV, 13 INCH	SQ YD	149	149	
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	1962	1962	
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	1980	1980	
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	1973	1973	
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	2042	2042	
44201798	CLASS D PATCHES, TYPE I, 13 INCH	SQ YD	600	600	
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	565	565	
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SQ YD	555	555	
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SQ YD	679	679	
48101620	AGGREGATE SHOULDERS, TYPE B 10"	SQ YD	253	253	
50600200	PAINTING STEEL RAILING	FOOT	392	392	
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	1656	1656	
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	327	327	

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* DENOTES SPECIAL PROVISION REQUIRED
 ** DENOTES SPECIALTY ITEM

REV-SEP

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PLOT DATE = 1/31/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
I-90 (IL. RTE. 43 - I-94)**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	7
			CONTRACT NO. 62J59	
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE	
				90% FED 10% STATE	100% STATE
				ROADWAY 0005	ROADWAY 0005
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	225	225	
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	108	108	
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	119	119	
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	296	296	
55100400	STORM SEWER REMOVAL 10"	FOOT	287	287	
55100700	STORM SEWER REMOVAL 15"	FOOT	58	58	
59200101	BRIDGE WASHING NO. 1	EACH	1	1	
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	20	20	
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	4	4	
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2	
60237420	INLETS, TYPE A, TYPE 20 FRAME AND GRATE	EACH	18	18	
60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	20	20	
60251710	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 20 FRAME AND GRATE	EACH	20	20	
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	20	20	

* DENOTES SPECIAL PROVISION REQUIRED

** DENOTES SPECIALTY ITEM

REV-SEP

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
I-90 (IL. RTE. 43 - I-94)

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	8
			CONTRACT NO. 62J59	
		ILLINOIS FED. AID PROJECT		

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE	
				90% FED 10% STATE	100% STATE
				ROADWAY 0005	ROADWAY 0005
60260300	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	20	20	
60261510	INLETS TO BE ADJUSTED WITH NEW TYPE 20 FRAME AND GRATE	EACH	20	20	
60500050	REMOVING CATCH BASINS	EACH	1	1	
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	137.5	137.5	
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1	
63100105	TRAFFIC BARRIER TERMINAL, TYPE 10	EACH	1	1	
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1	
63200310	GUARDRAIL REMOVAL	FOOT	50	50	
63301990	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 1	EACH	5	5	
63500105	DELINEATORS	EACH	288	288	
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	59503	59503	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	24	24	
67100100	MOBILIZATION	L SUM	1	1	
** 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	100	100	

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* DENOTES SPECIAL PROVISION REQUIRED
 ** DENOTES SPECIALTY ITEM

REV-SEP

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PLOT DATE = 1/31/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
 I-90 (IL. RTE. 43 - I-94)**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	9
			CONTRACT NO. 62J59	
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE	
				90% FED 10% STATE	100% STATE
				ROADWAY 0005	ROADWAY 0005
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	5	5	
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	20	20	
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	360	360	
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	454	454	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	70478	70478	
70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	38047	38047	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	8350	8350	
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	27775	27775	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	7666	7666	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	174	174	
70300900	PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS	SQ FT	1817	1817	
70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	426350	426350	

* DENOTES SPECIAL PROVISION REQUIRED
** DENOTES SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
I-90 (IL. RTE. 43 - I-94)

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

F A I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	10
			CONTRACT NO. 62J59	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE	
				90% FED 10% STATE	100% STATE
				ROADWAY 0005	ROADWAY 0005
* 70300905	PAVEMENT MARKING TAPE, TYPE IV 5"	FOOT	131472	131472	
* 70300908	PAVEMENT MARKING TAPE, TYPE IV 8"	FOOT	137696	137696	
* 70300912	PAVEMENT MARKING TAPE, TYPE IV 12"	FOOT	24736	24736	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	8350	8350	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	7125	7125	
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	16	16	
70600290	IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, WIDE), TEST LEVEL 3	EACH	2	2	
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	16	16	
72000200	SIGN PANEL - TYPE 2	SQ FT	59	59	
72400320	REMOVE SIGN PANEL - TYPE 2	SQ FT	32	32	
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	1	1	
72900100	METAL POST - TYPE A	FOOT	162	162	
** 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	454	454	
** 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	70478	70478	

* DENOTES SPECIAL PROVISION REQUIRED
** DENOTES SPECIALTY ITEM

REV-SEP

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PLOT DATE = 1/31/2020	DATE - 10/5/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
I-90 (IL. RTE. 43 - I-94)

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	11
			CONTRACT NO. 62J59	
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE	
				90% FED 10% STATE	100% STATE
				ROADWAY 0005	ROADWAY 0005
** 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	59	59	
** 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	27775	27775	
** 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	7666	7666	
** 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	174	174	
* ** 78004354	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - INLAID - LINE 4"	FOOT	2375	2375	
* ** 78004355	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - INLAID - LINE 5"	FOOT	19023	19023	
** 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	7148	7148	
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2037	2037	
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	8	8	
78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	735	735	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	2037	2037	
81028730	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	250	250	
* X0325201	SHOULDER RUMBLE STRIP REMOVAL	SQ YD	238	238	
* X0327680	TRENCH DRAIN	FOOT	3048	3048	

* DENOTES SPECIAL PROVISION REQUIRED
** DENOTES SPECIALTY ITEM

REV-SEP

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
I-90 (IL. RTE. 43 - I-94)**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	12
			CONTRACT NO. 62J59	
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE	
				90% FED 10% STATE	100% STATE
				ROADWAY 0005	ROADWAY 0005
X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	21446	21446	
* ** X1400282	POLYETHYLENE DUCT, 1 1/4" DIA	FOOT	2200	2200	
* X5537700	STORM SEWERS TO BE CLEANED 10"	FOOT	960		960
* X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	140		140
* X5870015	BRIDGE DECK CONCRETE SEALER	SQ FT	122565	122565	
* X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	861	861	
* X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
* X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1	
* X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	CAL DA	360	360	
* X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	198672	198672	
* X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	3714	3714	
* ** X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	2375	2375	
* ** X7830072	GROOVING FOR RECESSED PAVEMENT MARKING 6"	FOOT	19024	19024	
* ** X8730312	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 4/C, TWISTED, SHIELDED	FOOT	2191	2191	

* DENOTES SPECIAL PROVISION REQUIRED
** DENOTES SPECIALTY ITEM

REV-SEP

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PLOT DATE = 1/31/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
I-90 (IL. RTE. 43 - I-94)**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	13
			CONTRACT NO. 62J59	
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE		
				90% FED 10% STATE	100% STATE	
				ROADWAY 0005	ROADWAY 0005	
** **	X8850102	INDUCTION LOOP	FOOT	5504	5504	
*	Z0004562	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	4111	4111	
*	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	861		861
*	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	156	156	
*	Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	187280	187280	
*	Z0034105	MATERIAL TRANSFER DEVICE	TON	49956	49956	
*	Z0038124	PORTLAND CEMENT CONCRETE SURFACE REMOVAL 3"	SQ YD	60	60	
*	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	
		TEMPORARY VEHICLE DETECTION SYSTEM	CAL MO	14	14	
∅	Z0076600	TRAINEES	HOUR	1000	1000	
∅	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1000	1000	

REV. - MS
REV-SEP

* DENOTES SPECIAL PROVISION REQUIRED
** DENOTES SPECIALTY ITEM

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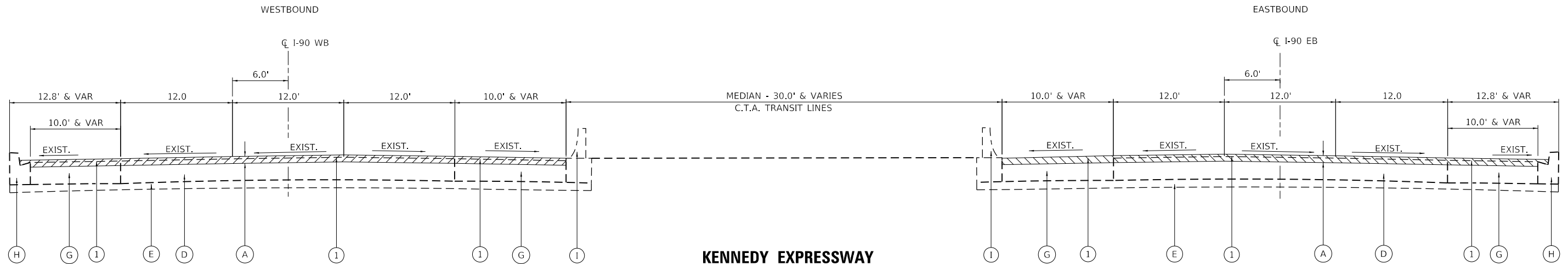
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

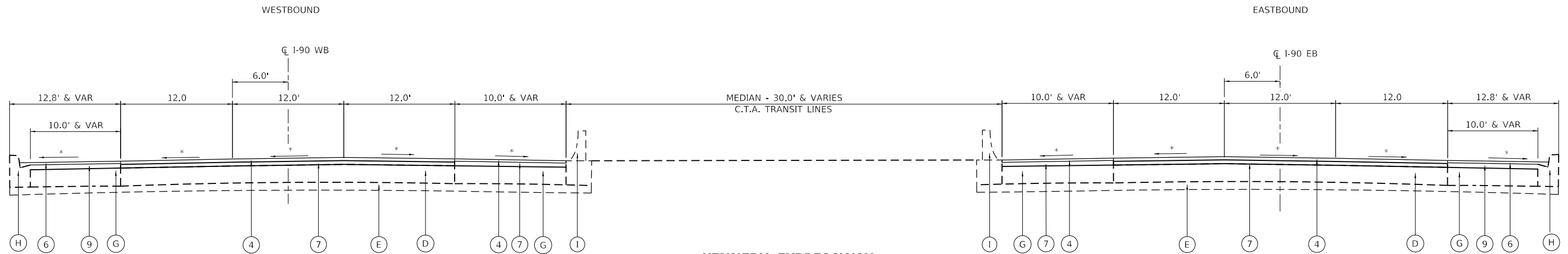
**SUMMARY OF QUANTITIES
I-90 (IL. RTE. 43 - I-94)**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	14
			CONTRACT NO. 62J59	
ILLINOIS FED. AID PROJECT				



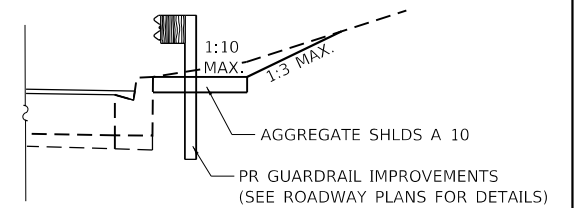
**KENNEDY EXPRESSWAY
EXISTING TYPICAL SECTION**



**KENNEDY EXPRESSWAY
PROPOSED TYPICAL SECTION**

NOTES:

1. THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.
 2. EXISTING PCC RAMPS AND OTHER EXISTING PCC SURFACES SHALL BE OMITTED FROM PROPOSED RESURFACING.
 3. REFER TO MAINTENANCE OF TRAFFIC - RESURFACING SEQUENCE PLANS.
- * MATCH EXISTING SLOPES



DETAIL A

AT LOCATIONS OF PROPOSED GUARDRAIL IMPROVEMENTS

EXISTING LEGEND

- (A) EXIST. HMA CONCRETE COURSE, 4-3/4"
 - (B) EXIST. HMA CONCRETE COURSE, 2-1/2"
 - (C) NOT USED
 - (D) EXIST. PORTLAND CEMENT CONCRETE PAVEMENT, 10"
 - (E) EXIST. AGGREGATE SUBBASE, 6"
 - (F) EXIST. PORTLAND CEMENT CONCRETE SHOULDER, 13"
 - (G) EXIST. HMA SHOULDER WITH BITUMINOUS SURFACE COURSE, VARIES
 - (H) EXIST. COMBINATION CONCRETE CURB AND GUTTER, TYPE VARIES
 - (I) EXIST. CONCRETE BARRIER WALL
- ▨ TO BE REMOVED

PROPOSED LEGEND

- (1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4" (SEE NOTE 3)
- (2) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"
- (3) NOT USED
- (4) PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "F", N80, 2"
- (5) PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 1-3/4"
- (6) PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2"
- (7) PROP. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, 12.5, N80, 2-3/4"
- (8) PROP. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- (9) PROP. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-3/4"

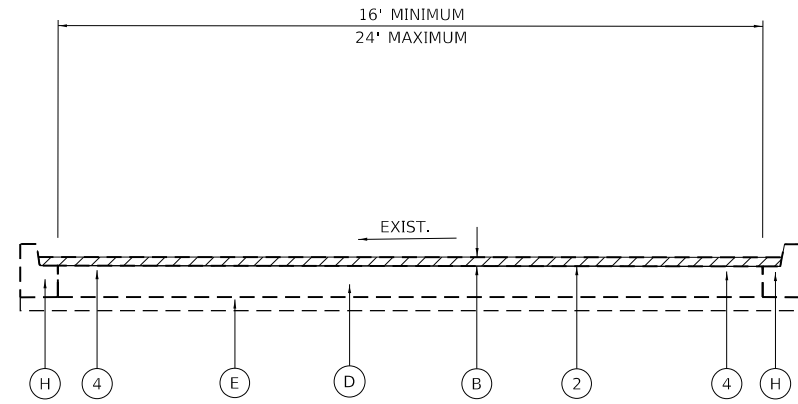
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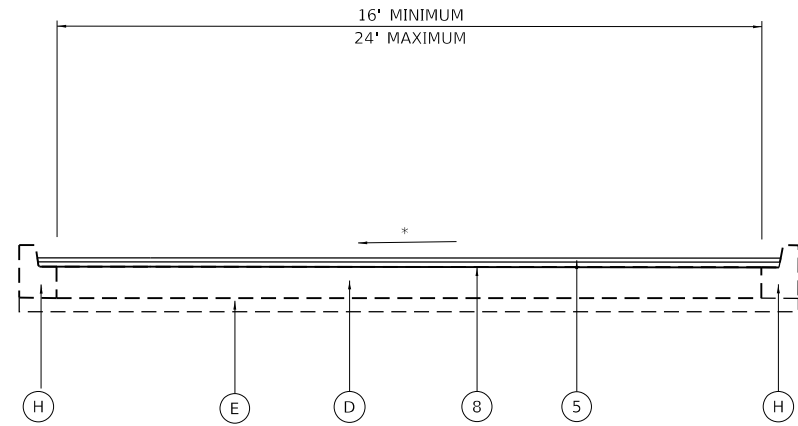
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTION I-90 (IL. RTE. 43 - I-94)	
SCALE: 1"=50'	SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	15
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



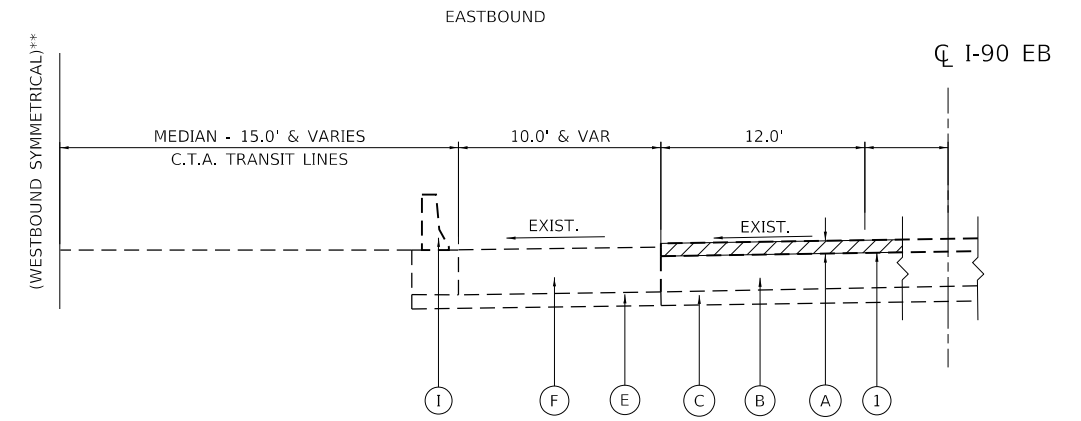
**RAMPS
EXISTING TYPICAL SECTION**



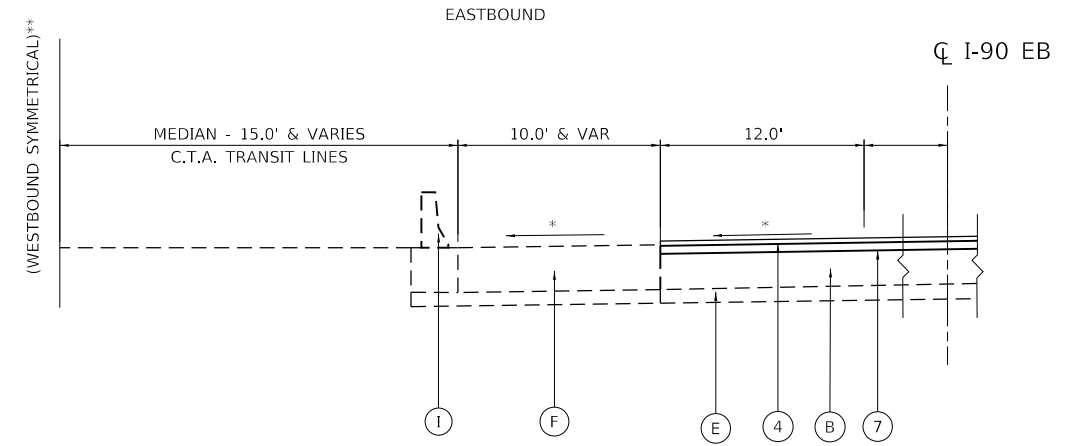
**RAMPS
PROPOSED TYPICAL SECTION**

NOTES:

1. THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.
2. EXISTING PCC RAMPS AND OTHER EXISTING PCC SURFACES SHALL BE OMITTED FROM PROPOSED RESURFACING.
3. REFER TO MAINTENANCE OF TRAFFIC - RESURFACING SEQUENCE PLANS



**EXISTING TYPICAL SECTION
STA. 183 + 25.83 TO STA. 219 + 50.00 ****



**PROPOSED TYPICAL SECTION
STA. 183 + 25.83 TO STA. 218 + 99.66 ****

- * MATCH EXISTING SLOPES
- ** WESTBOUND TYPICAL SECTION FROM STA. 30+25.00 TO STA. 183+78.34

EXISTING LEGEND

- (A) EXIST. HMA CONCRETE COURSE, 4-3/4"
 - (B) EXIST. HMA CONCRETE COURSE, 2-1/2"
 - (C) NOT USED
 - (D) EXIST. PORTLAND CEMENT CONCRETE PAVEMENT, 10"
 - (E) EXIST. AGGREGATE SUBBASE, 6"
 - (F) EXIST. PORTLAND CEMENT CONCRETE SHOULDER, 13"
 - (G) EXIST. HMA SHOULDER WITH BITUMINOUS SURFACE COURSE, VARIES
 - (H) EXIST. COMBINATION CONCRETE CURB AND GUTTER, TYPE VARIES
 - (I) EXIST. CONCRETE BARRIER WALL
- ▨ TO BE REMOVED

PROPOSED LEGEND

- (1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4" (SEE NOTE 3)
- (2) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"
- (3) NOT USED
- (4) PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "F", N80, 2"
- (5) PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 1-3/4"
- (6) PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2"
- (7) PROP. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, 12.5, N80, 2-3/4"
- (8) PROP. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- (9) PROP. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-3/4"

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PLOT DATE = 1/30/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTION I-90 (IL. RTE. 43 - I-94)		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		90	2019-082-RS&T	COOK	119	16
SCALE: 1"=50'		SHEET OF SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT

MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ NDES	QMP
RESURFACING ON MAINLINE AND INSIDE SHOULDER		
POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "F", N80, 2"	3.5% @ 80 GYR	PFP
POLYMERIZED HMA BINDER COURSE, STONE MATRIX ASPHALT, 12.5, N80, 2-3/4"	3.5% @ 80 GYR	PFP
RESURFACING ON OUTSIDE SHOULDERS		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2"	4% @ 70 GYR	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-3/4"	4% @ 70 GYR	QC/QA
RESURFACING ON RAMP		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1-3/4"	4% @ 70 GYR	QC/QA
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"	3.5% @ 50 GYR	QC/QA
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR	QC/QA
HMA ASPHALT REPLACEMENT OVER PATCHES (HMA BINDER IL-19mm)	4% @ 70 GYR	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)		

NOTES

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LB/SY/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
3. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
4. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.
5. LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER THE POLYMERIZED HMA BINDER COURSE, SMA MIXTURE FOR RESURFACING ON MAINLINE AND AFTER THE POLYMERIZED HMA BINDER COURSE, IL-4.75 MIXTURE FOR RESURFACING ON RAMP

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PLOT DATE = 1/30/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTION
I-90 (IL. RTE. 43 - I-94)**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	17
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF SAFETY IMPROVEMENTS

ALIGNMENT	LOCATION			63500105	72000200	72900100	78200011	64200116
	BEGIN STA	END STA	SIDE	DELINEATORS	SIGN PANEL - TYPE 2	METAL POST - TYPE A	BARRIER WALL REFLECTORS, TYPE C	SHOULDER RUMBLE STRIPS, 16 INCH
				EACH	SQ FT	FOOT	EACH	FOOT
I-90 EB	81+11	96+84	RT	5				
I-90 EB	88+87	110+72	LT				15	
I-90 EB	139+01	143+02	RT	2				
I-90 EB	158+65	167+46	LT				6	
I-90 EB	174+40	178+87	LT				4	
I-90 EB	211+57	217+39	RT	4				
I-90 EB	212+18	218+51	LT				6	
I-90 WB	88+67	110+87	RT				15	
I-90 WB	94+39	102+41	LT	6				
I-90 WB	94+40		RT		9	27		
I-90 WB	96+00		RT		9	27		
I-90 WB	97+60		RT		9	27		
I-90 WB	99+20		RT		9	27		
I-90 WB	100+80		RT		9	27		
I-90 WB	102+40		RT		9	27		
I-90 WB	158+89	165+87	RT				5	
I-90 WB	174+44	180+50	RT				5	
I-90 WB	175+19		LT	1				
I-90 WB	212+58	218+75	RT				6	
I-90 WB	212+58	217+65	LT	1			5	
RAMP 13				21				
RAMP 14				21				
RAMP 15				19				
RAMP 16				19				
RAMP 17				19				
RAMP 18				19				
RAMP 19				13				
RAMP 20				12				
RAMP 21				15				
RAMP 22				11				
RAMP 23				4				
RAMP 24				17				
RAMP 25				15				
RAMP 26				10				
RAMP 27				14				
RAMP 28				9				
RAMP 29				15				
RAMP 30				8				
RAMP 31				13				
I-90 EB	27+90	35+81	RT					791
I-90 EB	45+30	46+40	RT					110
I-90 EB	56+11	60+61	RT					450
I-90 EB	70+28	75+25	RT					497
I-90 EB	80+62	97+00	RT					1638
I-90 EB	110+36	143+60	RT					3324
I-90 EB	150+15	151+59	RT					144
I-90 EB	161+55	178+04	RT					1649
I-90 EB	186+32	197+12	RT					1080
I-90 EB	209+12	218+89	RT					977
I-90 EB	27+90	183+36	LT					15546
I-90 EB	201+24	218+89	LT					1765
I-90 WB	30+20	183+69	RT					15349
I-90 WB	201+16	219+00	RT					1784
I-90 WB	31+12	47+26	LT					1614
I-90 WB	54+16	62+94	LT					878
I-90 WB	68+80	71+80	LT					300
I-90 WB	81+78	104+00	LT					2222
I-90 WB	108+77	126+50	LT					1773
I-90 WB	137+07	148+82	LT					1175
I-90 WB	152+94	157+57	LT					463
I-90 WB	164+78	178+54	LT					1376
I-90 WB	189+30	200+69	LT					1139
I-90 WB	206+16	219+00	LT					1284
TOTAL =				293	54	162	67	57328

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

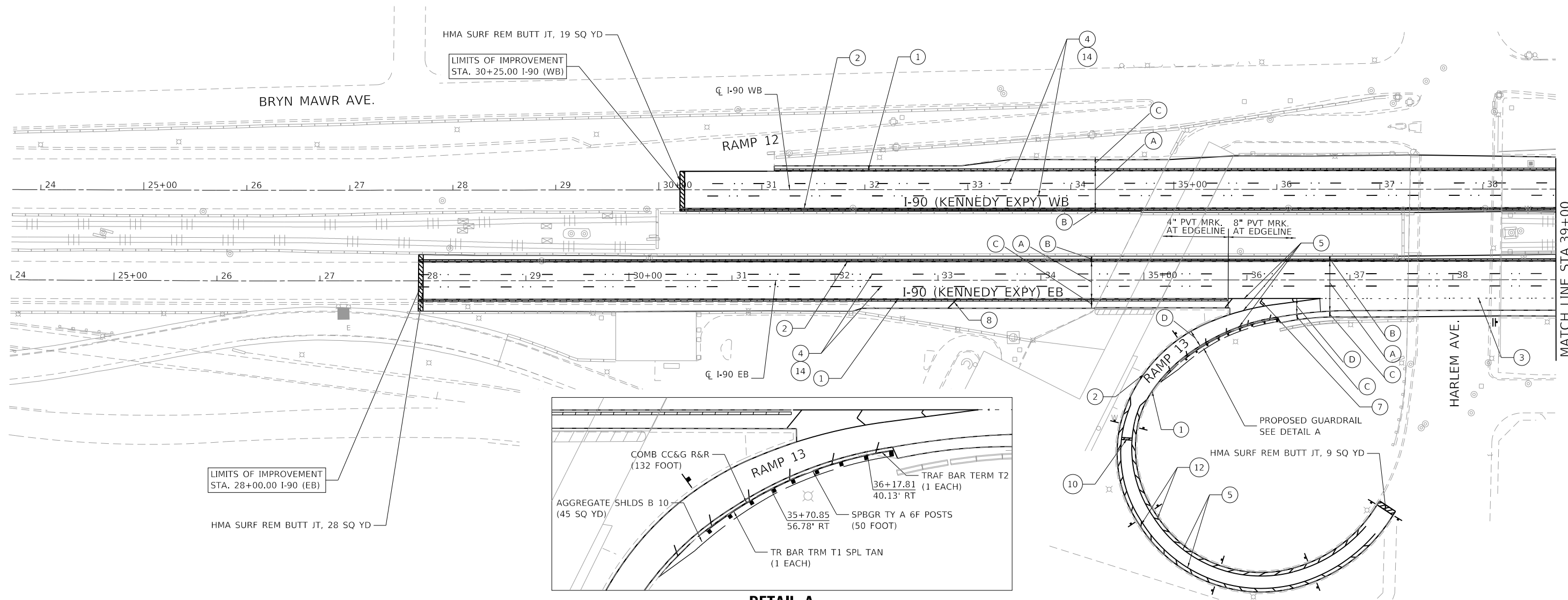
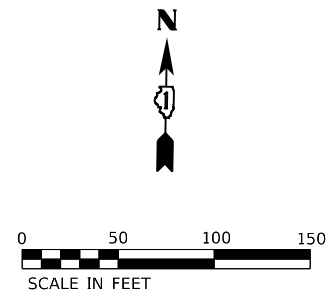
SCHEDULE OF QUANTITIES
I-90 (IL. RTE. 43 - I-94)

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	18
CONTRACT NO. 62J59			ILLINOIS FED. AID PROJECT	

NOTES:

1. DELINEATORS SHALL BE INSTALLED ALONG ALL RAMPS PROPOSED TO BE RESURFACED AND AT LOCATIONS AS SHOWN ON THE PLANS IN ACCORDANCE TO STANDARD 635001.
2. BARRIER WALL MARKERS SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS ACCORDING TO STANDARD 782006.
3. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH THE DISTRICT ONE DETAILS TC-11 "RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" AND TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS".
4. RUMBLE STRIPS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD 642001 AT LOCATIONS AS SHOWN ON THE PLANS.
5. SEE DRAINAGE PLANS FOR REMOVAL AND PATCHING ITEMS ASSOCIATED WITH PROPOSED DRAINAGE IMPROVEMENTS.
6. A 2 IN. WIDE BY 4 FT LONG REFLECTIVE STRIP SHALL BE INSTALLED ON SIGN POSTS FOR ALL NEW W1-8 SIGNS. THIS WORK SHALL BE PAID FOR AS SIGN PANEL, TYPE 2, IN SQ FT.



ROADWAY WORK LEGEND

- (A) ON MAINLINE:
HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
POLYMERIZED HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, SMA, 12.5, N80, 2-3/4"
- (B) ON INSIDE SHOULDER:
HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
POLYMERIZED HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, SMA, 12.5, N80, 2-3/4"
- (C) ON OUTSIDE SHOULDER:
HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2"
HMA BINDER COURSE, IL-19.0, N70, 2-3/4"
- (D) ON RAMPS:
HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1-3/4"
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"

- ┆ PROP. SINGLE DELINEATOR
- ┆┆ PROP. DOUBLE DELINEATOR
- ▬ PROP. RUMBLE STRIP
- ◀ PROP. BARRIER WALL REFLECTORS, TYPE C

PAVEMENT MARKING LEGEND

- (1) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)
- (2) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)
- (3) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 4" (2' - DASH, 6' - SKIP, WHITE)
- (4) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 5" (10' - DASH, 30' - SKIP, WHITE)
- (5) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
- (6) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (3' - DASH, 9' - SKIP, WHITE)
- (7) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (30' - SPACING, CHEVRON, WHITE)
- (8) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (500' - SPACING, 45° DIAGONAL, WHITE)
- (9) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (500' - SPACING, 45° DIAGONAL, YELLOW)
- (10) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)
- (11) THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- (12) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10' - SPACING, 45° DIAGONAL, WHITE)
- (13) THERMOPLASTIC PAVEMENT MARKING - LINE 6" - (WHITE)
- (14) RAISED REFLECTIVE PAVEMENT MARKINGS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

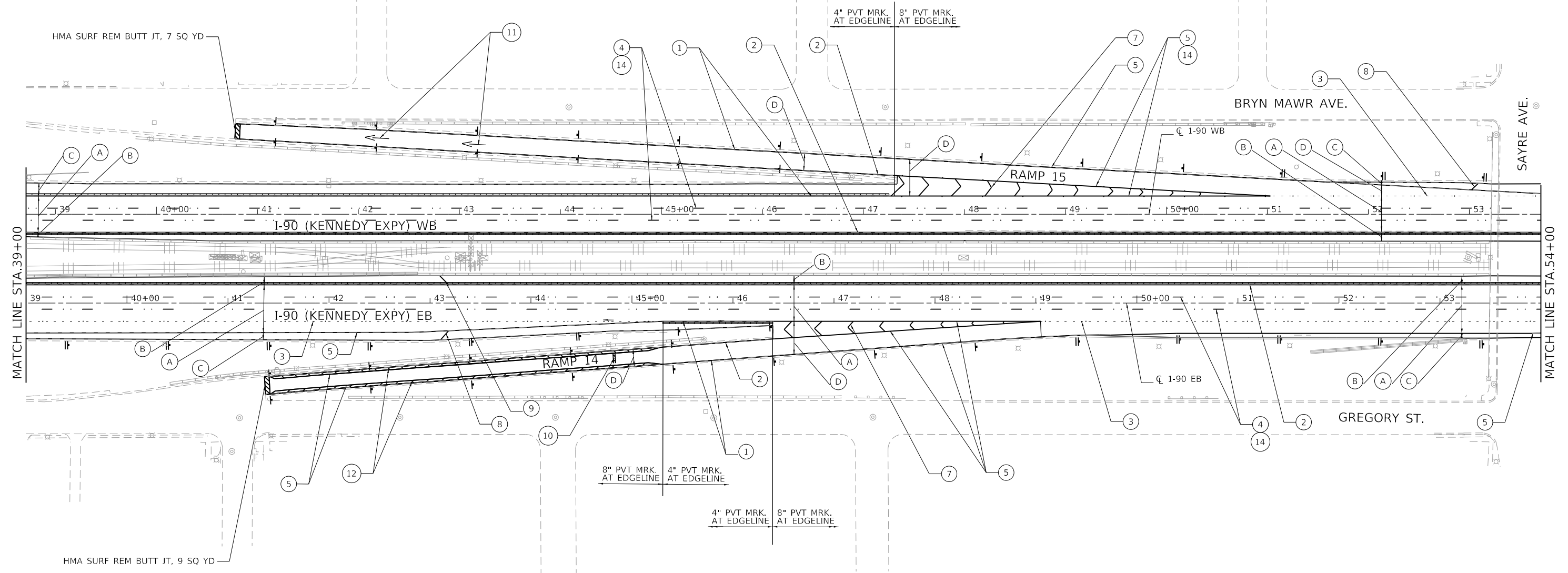
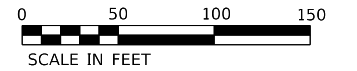
**ROADWAY AND PAVEMENT MARKING PLAN
I-90 (IL. RTE. 43 - I-94)**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	19
CONTRACT NO. 62J59				
ILLINOIS / FED. AID PROJECT				

NOTES:

1. DELINEATORS SHALL BE INSTALLED ALONG ALL RAMPS PROPOSED TO BE RESURFACED AND AT LOCATIONS AS SHOWN ON THE PLANS IN ACCORDANCE TO STANDARD 635001.
2. BARRIER WALL MARKERS SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS ACCORDING TO STANDARD 782006.
3. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH THE DISTRICT ONE DETAILS TC-11 "RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" AND TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS".
4. RUMBLE STRIPS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD 642001 AT LOCATIONS AS SHOWN ON THE PLANS.
5. SEE DRAINAGE PLANS FOR REMOVAL AND PATCHING ITEMS ASSOCIATED WITH PROPOSED DRAINAGE IMPROVEMENTS.
6. A 2 IN. WIDE BY 4 FT LONG REFLECTIVE STRIP SHALL BE INSTALLED ON SIGN POSTS FOR ALL NEW W1-8 SIGNS. THIS WORK SHALL BE PAID FOR AS SIGN PANEL, TYPE 2, IN SQ FT.



ROADWAY WORK LEGEND

- (A) ON MAINLINE:
HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
POLYMERIZED HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, SMA, 12.5, N80, 2-3/4"
- (B) ON INSIDE SHOULDER:
HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
POLYMERIZED HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, SMA, 12.5, N80, 2-3/4"
- (C) ON OUTSIDE SHOULDER:
HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2"
HMA BINDER COURSE, IL-19.0, N70, 2-3/4"
- (D) ON RAMPS:
HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1-3/4"
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"

- ┆ PROP. SINGLE DELINEATOR
- ┆┆ PROP. DOUBLE DELINEATOR
- ▬ PROP. RUMBLE STRIP
- ◀ PROP. BARRIER WALL REFLECTORS, TYPE C

PAVEMENT MARKING LEGEND

- (1) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)
- (2) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)
- (3) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 4" (2' - DASH, 6' - SKIP, WHITE)
- (4) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 5" (10' - DASH, 30' - SKIP, WHITE)
- (5) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
- (6) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (3' - DASH, 9' - SKIP, WHITE)
- (7) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (30' - SPACING, CHEVRON, WHITE)
- (8) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (500' - SPACING, 45° DIAGONAL, WHITE)
- (9) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (500' - SPACING, 45° DIAGONAL, YELLOW)
- (10) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)
- (11) THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- (12) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10' - SPACING, 45° DIAGONAL, WHITE)
- (13) THERMOPLASTIC PAVEMENT MARKING - LINE 6" - (WHITE)
- (14) RAISED REFLECTIVE PAVEMENT MARKINGS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

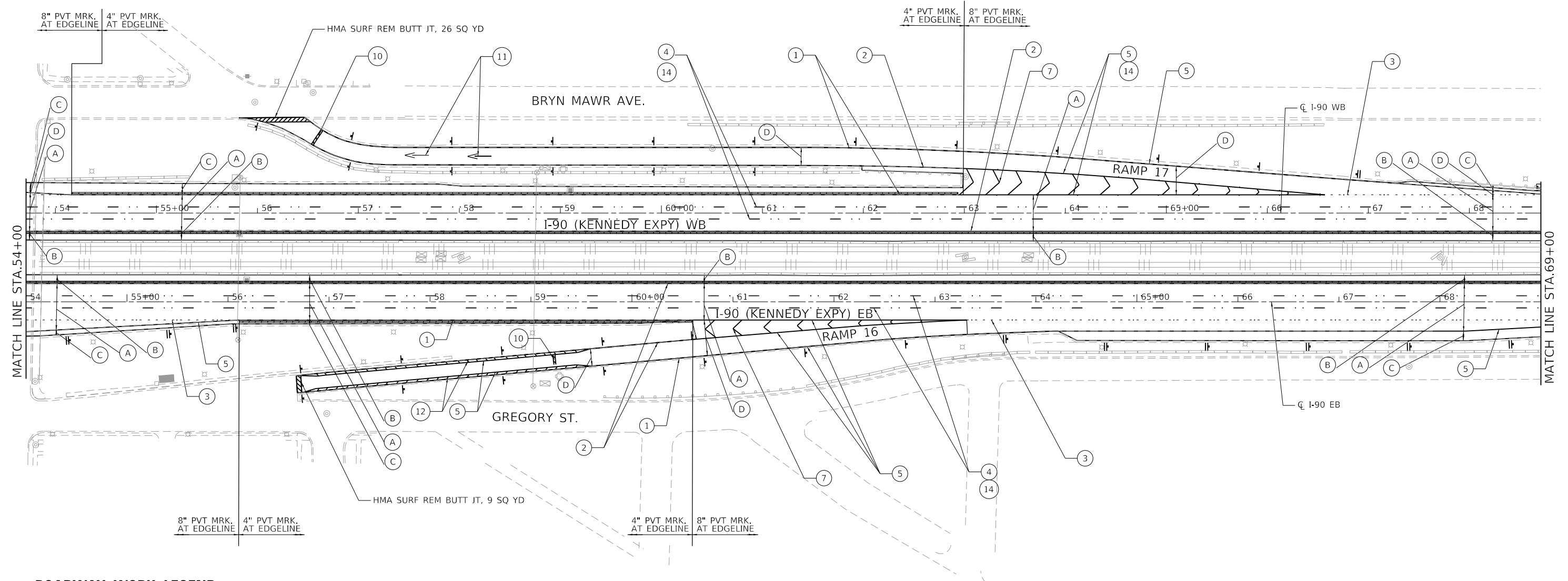
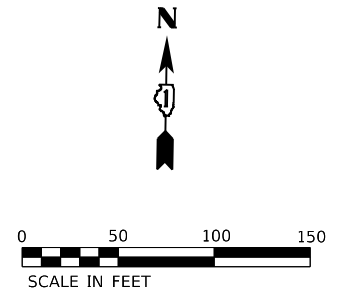
**ROADWAY AND PAVEMENT MARKING PLAN
I-90 (IL. RTE. 43 - I-94)**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	20
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

NOTES:

1. DELINEATORS SHALL BE INSTALLED ALONG ALL RAMPS PROPOSED TO BE RESURFACED AND AT LOCATIONS AS SHOWN ON THE PLANS IN ACCORDANCE TO STANDARD 635001.
2. BARRIER WALL MARKERS SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS ACCORDING TO STANDARD 782006.
3. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH THE DISTRICT ONE DETAILS TC-11 "RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" AND TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS".
4. RUMBLE STRIPS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD 642001 AT LOCATIONS AS SHOWN ON THE PLANS.
5. SEE DRAINAGE PLANS FOR REMOVAL AND PATCHING ITEMS ASSOCIATED WITH PROPOSED DRAINAGE IMPROVEMENTS.
6. A 2 IN. WIDE BY 4 FT LONG REFLECTIVE STRIP SHALL BE INSTALLED ON SIGN POSTS FOR ALL NEW W1-8 SIGNS. THIS WORK SHALL BE PAID FOR AS SIGN PANEL, TYPE 2, IN SQ FT.



ROADWAY WORK LEGEND

- (A) ON MAINLINE:
HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
POLYMERIZED HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, SMA, 12.5, N80, 2-3/4"
- (B) ON INSIDE SHOULDER:
HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
POLYMERIZED HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, SMA, 12.5, N80, 2-3/4"
- (C) ON OUTSIDE SHOULDER:
HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2"
HMA BINDER COURSE, IL-19.0, N70, 2-3/4"
- (D) ON RAMPS:
HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1-3/4"
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"

- ┆ PROP. SINGLE DELINEATOR
- || PROP. DOUBLE DELINEATOR
- ▬ PROP. RUMBLE STRIP
- ◀ PROP. BARRIER WALL REFLECTORS, TYPE C

PAVEMENT MARKING LEGEND

- (1) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)
- (2) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)
- (3) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 4" (2' - DASH, 6' - SKIP, WHITE)
- (4) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 5" (10' - DASH, 30' - SKIP, WHITE)
- (5) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
- (6) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (3' - DASH, 9' - SKIP, WHITE)
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- (8) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (500' - SPACING, 45° DIAGONAL, WHITE)
- (9) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (500' - SPACING, 45° DIAGONAL, YELLOW)
- (10) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)
- (11) THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- (12) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10' - SPACING, 45° DIAGONAL, WHITE)
- (13) THERMOPLASTIC PAVEMENT MARKING - LINE 6" - (WHITE)
- (14) RAISED REFLECTIVE PAVEMENT MARKINGS

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	DRAWN -	REVISED -
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PLOT DATE = 1/30/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

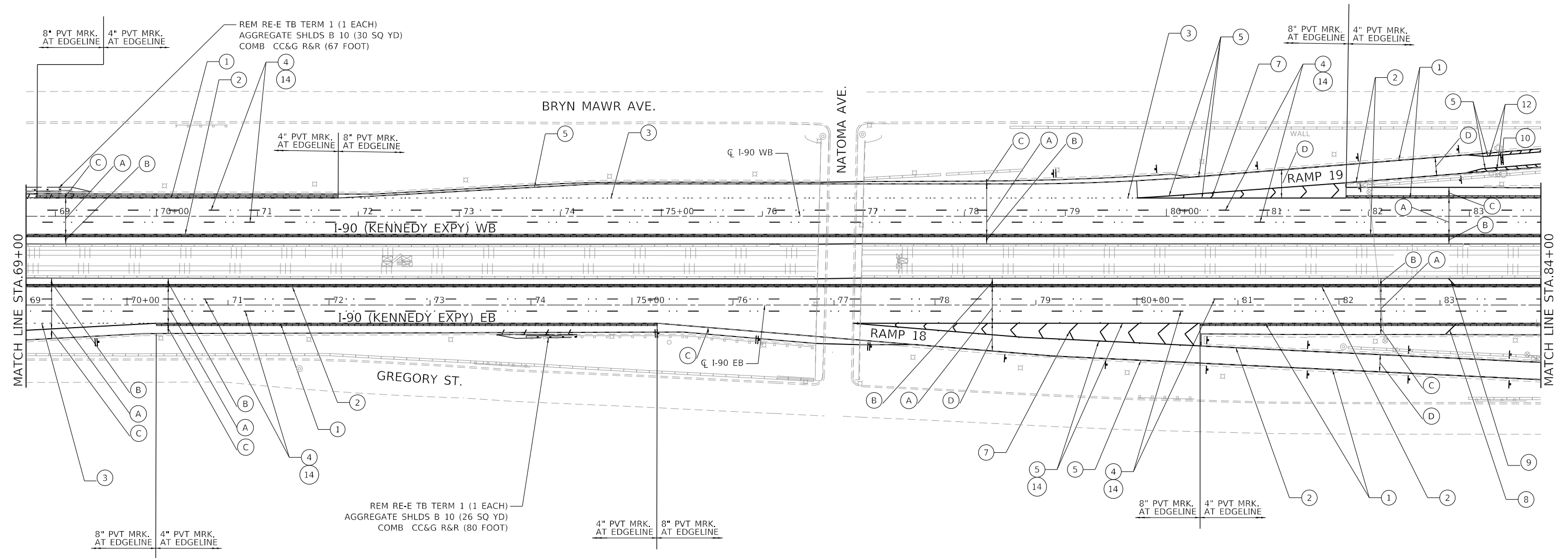
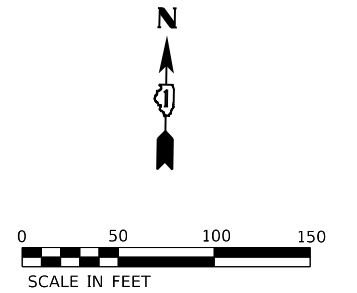
**ROADWAY AND PAVEMENT MARKING PLAN
I-90 (IL. RTE. 43 - I-94)**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	21
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

NOTES:

1. DELINEATORS SHALL BE INSTALLED ALONG ALL RAMP PROPOSED TO BE RESURFACED AND AT LOCATIONS AS SHOWN ON THE PLANS IN ACCORDANCE TO STANDARD 635001.
2. BARRIER WALL MARKERS SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS ACCORDING TO STANDARD 782006.
3. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH THE DISTRICT ONE DETAILS TC-11 "RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" AND TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS".
4. RUMBLE STRIPS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD 642001 AT LOCATIONS AS SHOWN ON THE PLANS.
5. SEE DRAINAGE PLANS FOR REMOVAL AND PATCHING ITEMS ASSOCIATED WITH PROPOSED DRAINAGE IMPROVEMENTS.
6. A 2 IN. WIDE BY 4 FT LONG REFLECTIVE STRIP SHALL BE INSTALLED ON SIGN POSTS FOR ALL NEW W1-8 SIGNS. THIS WORK SHALL BE PAID FOR AS SIGN PANEL, TYPE 2, IN SQ FT.



ROADWAY WORK LEGEND

- | | |
|--|---|
| <p>ON MAINLINE:</p> <p>(A) HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
POLYMERIZED HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, SMA, 12.5, N80, 2-3/4"</p> <p>ON INSIDE SHOULDER:</p> <p>(B) HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
POLYMERIZED HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, SMA, 12.5, N80, 2-3/4"</p> <p>ON OUTSIDE SHOULDER:</p> <p>(C) HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2"
HMA BINDER COURSE, IL-19.0, N70, 2-3/4"</p> <p>ON RAMP:</p> <p>(D) HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1-3/4"
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"</p> | <p>┆ PROP. SINGLE DELINEATOR</p> <p>┆┆ PROP. DOUBLE DELINEATOR</p> <p>▬▬▬ PROP. RUMBLE STRIP</p> <p>◀ PROP. BARRIER WALL REFLECTORS, TYPE C</p> |
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PAVEMENT MARKING LEGEND

- | | |
|--|--|
| <p>(1) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)</p> <p>(2) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)</p> <p>(3) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 4" (2' - DASH, 6' - SKIP, WHITE)</p> <p>(4) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 5" (10' - DASH, 30' - SKIP, WHITE)</p> <p>(5) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)</p> <p>(6) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (3' - DASH, 9' - SKIP, WHITE)</p> <p>(7) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (30' - SPACING, CHEVRON, WHITE)</p> <p>(8) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (500' - SPACING, 45° DIAGONAL, WHITE)</p> | <p>(9) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (500' - SPACING, 45° DIAGONAL, YELLOW)</p> <p>(10) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)</p> <p>(11) THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)</p> <p>(12) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10' - SPACING, 45° DIAGONAL, WHITE)</p> <p>(13) THERMOPLASTIC PAVEMENT MARKING - LINE 6" - (WHITE)</p> <p>(14) RAISED REFLECTIVE PAVEMENT MARKINGS</p> |
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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/30/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

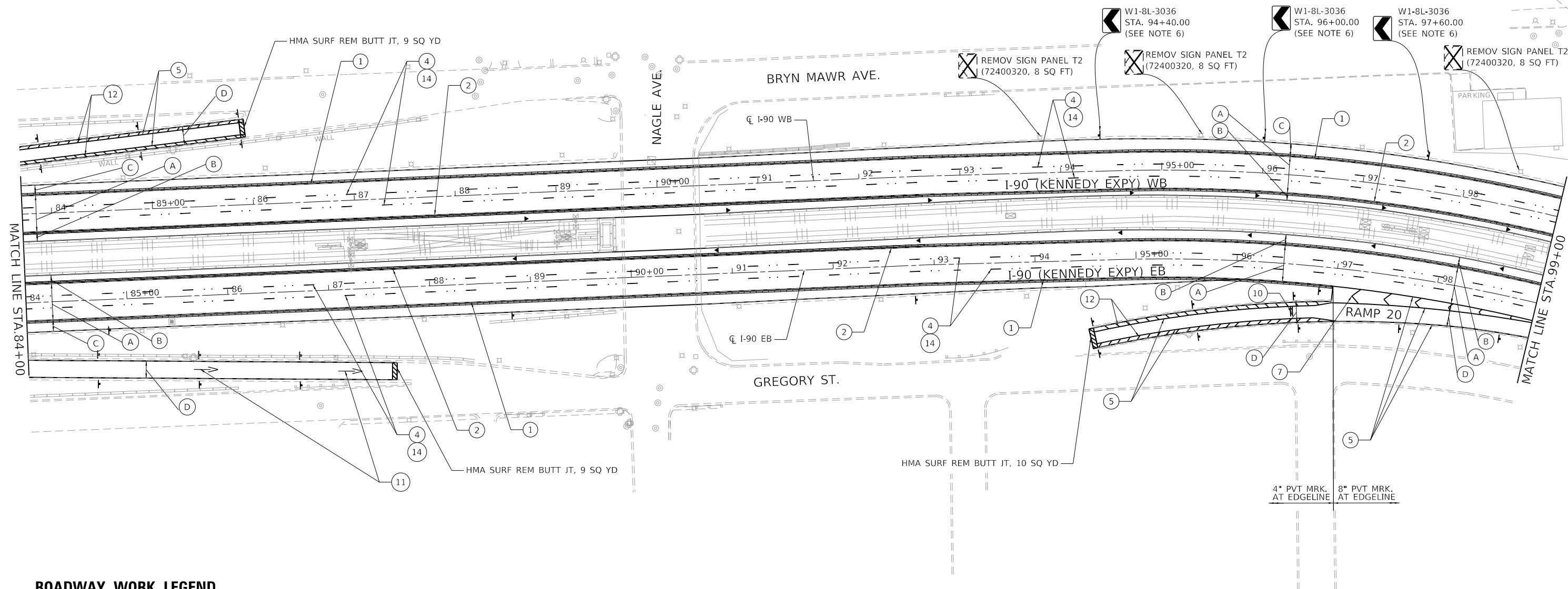
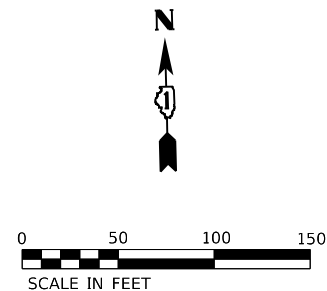
**ROADWAY AND PAVEMENT MARKING PLAN
I-90 (IL. RTE. 43 - I-94)**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	22
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

NOTES:

1. DELINEATORS SHALL BE INSTALLED ALONG ALL RAMPS PROPOSED TO BE RESURFACED AND AT LOCATIONS AS SHOWN ON THE PLANS IN ACCORDANCE TO STANDARD 635001.
2. BARRIER WALL MARKERS SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS ACCORDING TO STANDARD 782006.
3. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH THE DISTRICT ONE DETAILS TC-11 "RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" AND TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS".
4. RUMBLE STRIPS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD 642001 AT LOCATIONS AS SHOWN ON THE PLANS.
5. SEE DRAINAGE PLANS FOR REMOVAL AND PATCHING ITEMS ASSOCIATED WITH PROPOSED DRAINAGE IMPROVEMENTS.
6. A 2 IN. WIDE BY 4 FT LONG REFLECTIVE STRIP SHALL BE INSTALLED ON SIGN POSTS FOR ALL NEW W1-8 SIGNS. THIS WORK SHALL BE PAID FOR AS SIGN PANEL, TYPE 2, IN SQ FT.



ROADWAY WORK LEGEND

- | | |
|---|---|
| <p>ON MAINLINE:</p> <p>(A) HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
POLYMERIZED HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, SMA, 12.5, N80, 2-3/4"</p> <p>ON INSIDE SHOULDER:</p> <p>(B) HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
POLYMERIZED HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, SMA, 12.5, N80, 2-3/4"</p> <p>ON OUTSIDE SHOULDER:</p> <p>(C) HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2"
HMA BINDER COURSE, IL-19.0, N70, 2-3/4"</p> <p>ON RAMPS:</p> <p>(D) HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1-3/4"
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"</p> | <p>┆ PROP. SINGLE DELINEATOR</p> <p>┆┆ PROP. DOUBLE DELINEATOR</p> <p>▬▬▬ PROP. RUMBLE STRIP</p> <p>◀ PROP. BARRIER WALL REFLECTORS, TYPE C</p> |
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PAVEMENT MARKING LEGEND

- | | |
|--|--|
| <p>(1) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)</p> <p>(2) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)</p> <p>(3) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 4" (2' - DASH, 6' - SKIP, WHITE)</p> <p>(4) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 5" (10' - DASH, 30' - SKIP, WHITE)</p> <p>(5) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)</p> <p>(6) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (3' - DASH, 9' - SKIP, WHITE)</p> <p>(7) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (30' - SPACING, CHEVRON, WHITE)</p> <p>(8) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (500' - SPACING, 45° DIAGONAL, WHITE)</p> | <p>(9) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (500' - SPACING, 45° DIAGONAL, YELLOW)</p> <p>(10) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)</p> <p>(11) THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)</p> <p>(12) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10' - SPACING, 45° DIAGONAL, WHITE)</p> <p>(13) THERMOPLASTIC PAVEMENT MARKING - LINE 6" - (WHITE)</p> <p>(14) RAISED REFLECTIVE PAVEMENT MARKINGS</p> |
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	DRAWN -	REVISED -
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PLOT DATE = 1/30/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

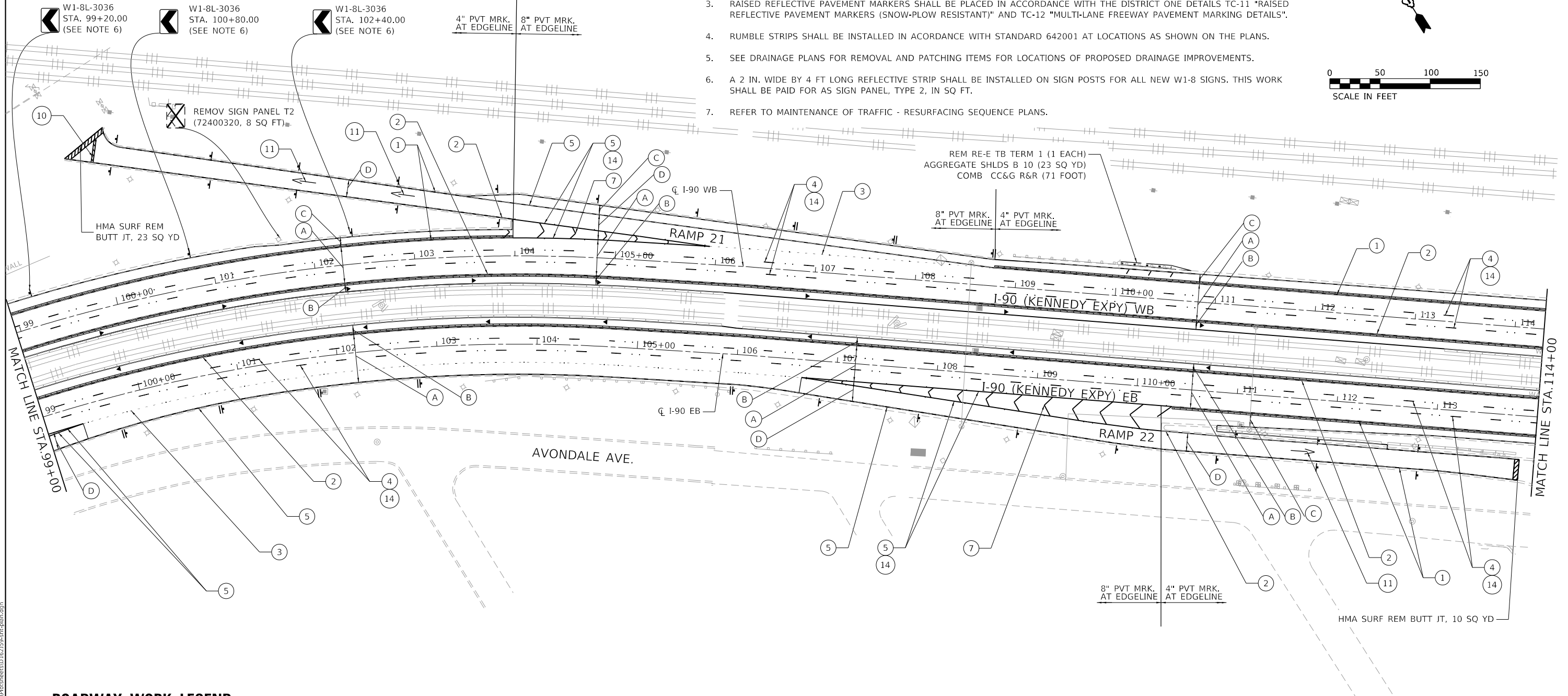
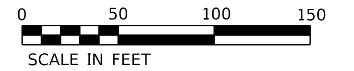
**ROADWAY AND PAVEMENT MARKING PLAN
I-90 (IL. RTE. 43 - I-94)**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	23
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

NOTES:

1. DELINEATORS SHALL BE INSTALLED ALONG ALL RAMPS PROPOSED TO BE RESURFACED AND AT LOCATIONS AS SHOWN ON THE PLANS IN ACCORDANCE TO STANDARD 635001.
2. BARRIER WALL MARKERS SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS ACCORDING TO STANDARD 782006.
3. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH THE DISTRICT ONE DETAILS TC-11 "RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" AND TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS".
4. RUMBLE STRIPS SHALL BE INSTALLED IN ACORDANCE WITH STANDARD 642001 AT LOCATIONS AS SHOWN ON THE PLANS.
5. SEE DRAINAGE PLANS FOR REMOVAL AND PATCHING ITEMS FOR LOCATIONS OF PROPOSED DRAINAGE IMPROVEMENTS.
6. A 2 IN. WIDE BY 4 FT LONG REFLECTIVE STRIP SHALL BE INSTALLED ON SIGN POSTS FOR ALL NEW W1-8 SIGNS. THIS WORK SHALL BE PAID FOR AS SIGN PANEL, TYPE 2, IN SQ FT.
7. REFER TO MAINTENANCE OF TRAFFIC - RESURFACING SEQUENCE PLANS.



ROADWAY WORK LEGEND

- (A) ON MAINLINE:
HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
POLYMERIZED HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, SMA, 12.5, N80, 2-3/4"
 - (B) ON INSIDE SHOULDER:
HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
POLYMERIZED HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, SMA, 12.5, N80, 2-3/4"
 - (C) ON OUTSIDE SHOULDER:
HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2"
HMA BINDER COURSE, IL-19.0, N70, 2-3/4"
 - (D) ON RAMPS:
HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1-3/4"
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"
- ▬ PROP. SINGLE DELINEATOR
 - ▬▬ PROP. DOUBLE DELINEATOR
 - ▬▬▬ PROP. RUMBLE STRIP
 - ◀ PROP. BARRIER WALL REFLECTORS, TYPE C

PAVEMENT MARKING LEGEND

- (1) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)
- (2) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)
- (3) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 4" (2' - DASH, 6' - SKIP, WHITE)
- (4) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 5" (10' - DASH, 30' - SKIP, WHITE)
- (5) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
- (6) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (3' - DASH, 9' - SKIP, WHITE)
- (7) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (30' - SPACING, CHEVRON, WHITE)
- (8) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (500' - SPACING, 45° DIAGONAL, WHITE)
- (9) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (500' - SPACING, 45° DIAGONAL, YELLOW)
- (10) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)
- (11) THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- (12) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10' - SPACING, 45° DIAGONAL, WHITE)
- (13) THERMOPLASTIC PAVEMENT MARKING - LINE 6" - (WHITE)
- (14) RAISED REFLECTIVE PAVEMENT MARKINGS

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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/30/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

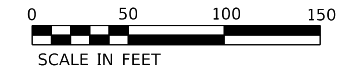
**ROADWAY AND PAVEMENT MARKING PLAN
I-90 (IL. RTE. 43 - I-94)**

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

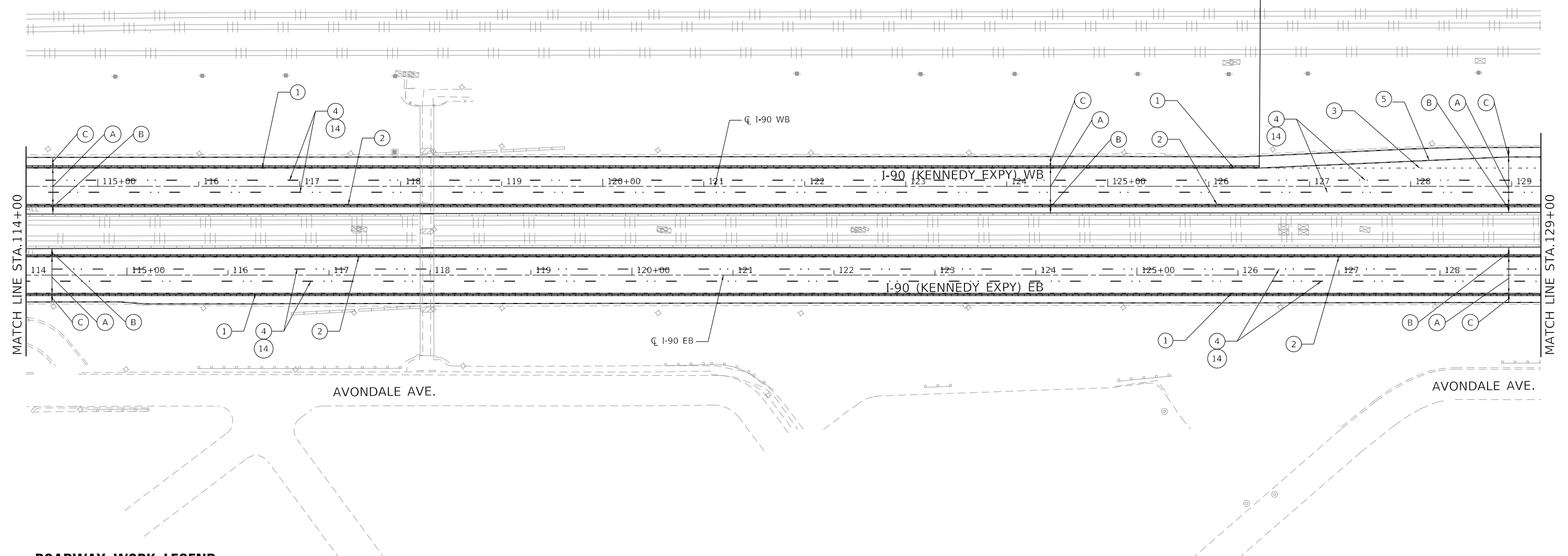
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	24
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

NOTES:

1. DELINEATORS SHALL BE INSTALLED ALONG ALL RAMP PROPOSED TO BE RESURFACED AND AT LOCATIONS AS SHOWN ON THE PLANS IN ACCORDANCE TO STANDARD 635001.
2. BARRIER WALL MARKERS SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS ACCORDING TO STANDARD 782006.
3. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH THE DISTRICT ONE DETAILS TC-11 "RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" AND TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS".
4. RUMBLE STRIPS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD 642001 AT LOCATIONS AS SHOWN ON THE PLANS.
5. SEE DRAINAGE PLANS FOR REMOVAL AND PATCHING ITEMS ASSOCIATED WITH PROPOSED DRAINAGE IMPROVEMENTS.
6. A 2 IN. WIDE BY 4 FT LONG REFLECTIVE STRIP SHALL BE INSTALLED ON SIGN POSTS FOR ALL NEW W1-8 SIGNS. THIS WORK SHALL BE PAID FOR AS SIGN PANEL, TYPE 2, IN SQ FT.



4" PVT MRK. AT EDGELINE
8" PVT MRK. AT EDGELINE



ROADWAY WORK LEGEND

- | | |
|--|---|
| <p>ON MAINLINE:</p> <p>(A) HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
POLYMERIZED HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, SMA, 12.5, N80, 2-3/4"</p> <p>ON INSIDE SHOULDER:</p> <p>(B) HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
POLYMERIZED HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, SMA, 12.5, N80, 2-3/4"</p> <p>ON OUTSIDE SHOULDER:</p> <p>(C) HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2"
HMA BINDER COURSE, IL-19.0, N70, 2-3/4"</p> <p>ON RAMP:</p> <p>(D) HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1-3/4"
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"</p> | <p>┆ PROP. SINGLE DELINEATOR</p> <p>┆┆ PROP. DOUBLE DELINEATOR</p> <p>▬▬▬ PROP. RUMBLE STRIP</p> <p>◀ PROP. BARRIER WALL REFLECTORS, TYPE C</p> |
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PAVEMENT MARKING LEGEND

- | | |
|--|--|
| <p>(1) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)</p> <p>(2) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)</p> <p>(3) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 4" (2' - DASH, 6' - SKIP, WHITE)</p> <p>(4) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 5" (10' - DASH, 30' - SKIP, WHITE)</p> <p>(5) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)</p> <p>(6) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (3' - DASH, 9' - SKIP, WHITE)</p> <p>(7) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (30' - SPACING, CHEVRON, WHITE)</p> <p>(8) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (500' - SPACING, 45° DIAGONAL, WHITE)</p> | <p>(9) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (500' - SPACING, 45° DIAGONAL, YELLOW)</p> <p>(10) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)</p> <p>(11) THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)</p> <p>(12) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10' - SPACING, 45° DIAGONAL, WHITE)</p> <p>(13) THERMOPLASTIC PAVEMENT MARKING - LINE 6" - (WHITE)</p> <p>(14) RAISED REFLECTIVE PAVEMENT MARKINGS</p> |
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

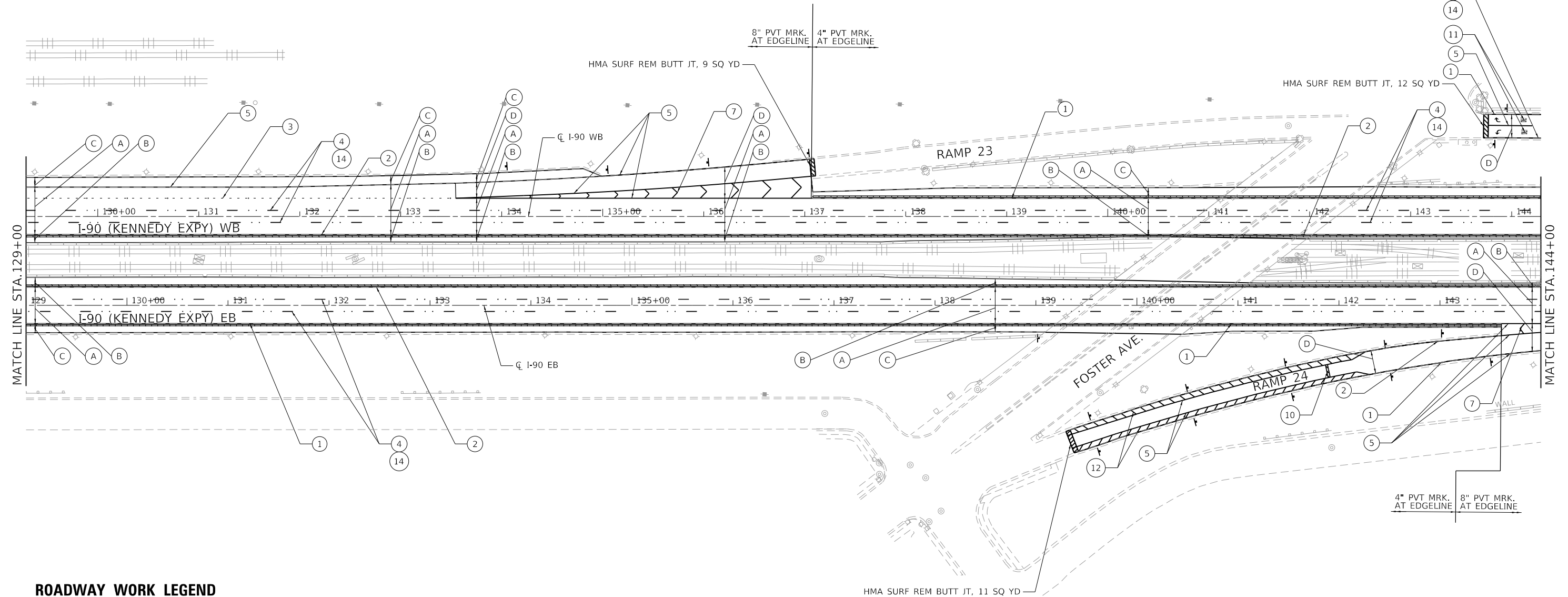
**ROADWAY AND PAVEMENT MARKING PLAN
I-90 (IL. RTE. 43 - I-94)**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	25
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

NOTES:

1. DELINEATORS SHALL BE INSTALLED ALONG ALL RAMP PROPOSED TO BE RESURFACED AND AT LOCATIONS AS SHOWN ON THE PLANS IN ACCORDANCE TO STANDARD 635001.
2. BARRIER WALL MARKERS SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS ACCORDING TO STANDARD 782006.
3. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH THE DISTRICT ONE DETAILS TC-11 "RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" AND TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS".
4. RUMBLE STRIPS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD 642001 AT LOCATIONS AS SHOWN ON THE PLANS.
5. SEE DRAINAGE PLANS FOR REMOVAL AND PATCHING ITEMS ASSOCIATED WITH PROPOSED DRAINAGE IMPROVEMENTS.
6. A 2 IN. WIDE BY 4 FT LONG REFLECTIVE STRIP SHALL BE INSTALLED ON SIGN POSTS FOR ALL NEW W1-8 SIGNS. THIS WORK SHALL BE PAID FOR AS SIGN PANEL, TYPE 2, IN SQ FT.



ROADWAY WORK LEGEND

- | | |
|--|---|
| <p>ON MAINLINE:</p> <p>(A) HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
POLYMERIZED HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, SMA, 12.5, N80, 2-3/4"</p> <p>ON INSIDE SHOULDER:</p> <p>(B) HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
POLYMERIZED HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, SMA, 12.5, N80, 2-3/4"</p> <p>ON OUTSIDE SHOULDER:</p> <p>(C) HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2"
HMA BINDER COURSE, IL-19.0, N70, 2-3/4"</p> <p>ON RAMP:</p> <p>(D) HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1-3/4"
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"</p> | <p>┆ PROP. SINGLE DELINEATOR</p> <p>┆┆ PROP. DOUBLE DELINEATOR</p> <p>▬▬▬ PROP. RUMBLE STRIP</p> <p>◀ PROP. BARRIER WALL REFLECTORS, TYPE C</p> |
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PAVEMENT MARKING LEGEND

- | | |
|--|--|
| <p>(1) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)</p> <p>(2) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)</p> <p>(3) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 4" (2' - DASH, 6' - SKIP, WHITE)</p> <p>(4) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 5" (10' - DASH, 30' - SKIP, WHITE)</p> <p>(5) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)</p> <p>(6) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (3' - DASH, 9' - SKIP, WHITE)</p> <p>(7) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (30' - SPACING, CHEVRON, WHITE)</p> <p>(8) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (500' - SPACING, 45° DIAGONAL, WHITE)</p> | <p>(9) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (500' - SPACING, 45° DIAGONAL, YELLOW)</p> <p>(10) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)</p> <p>(11) THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)</p> <p>(12) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10' - SPACING, 45° DIAGONAL, WHITE)</p> <p>(13) THERMOPLASTIC PAVEMENT MARKING - LINE 6" - (WHITE)</p> <p>(14) RAISED REFLECTIVE PAVEMENT MARKINGS</p> |
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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/30/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

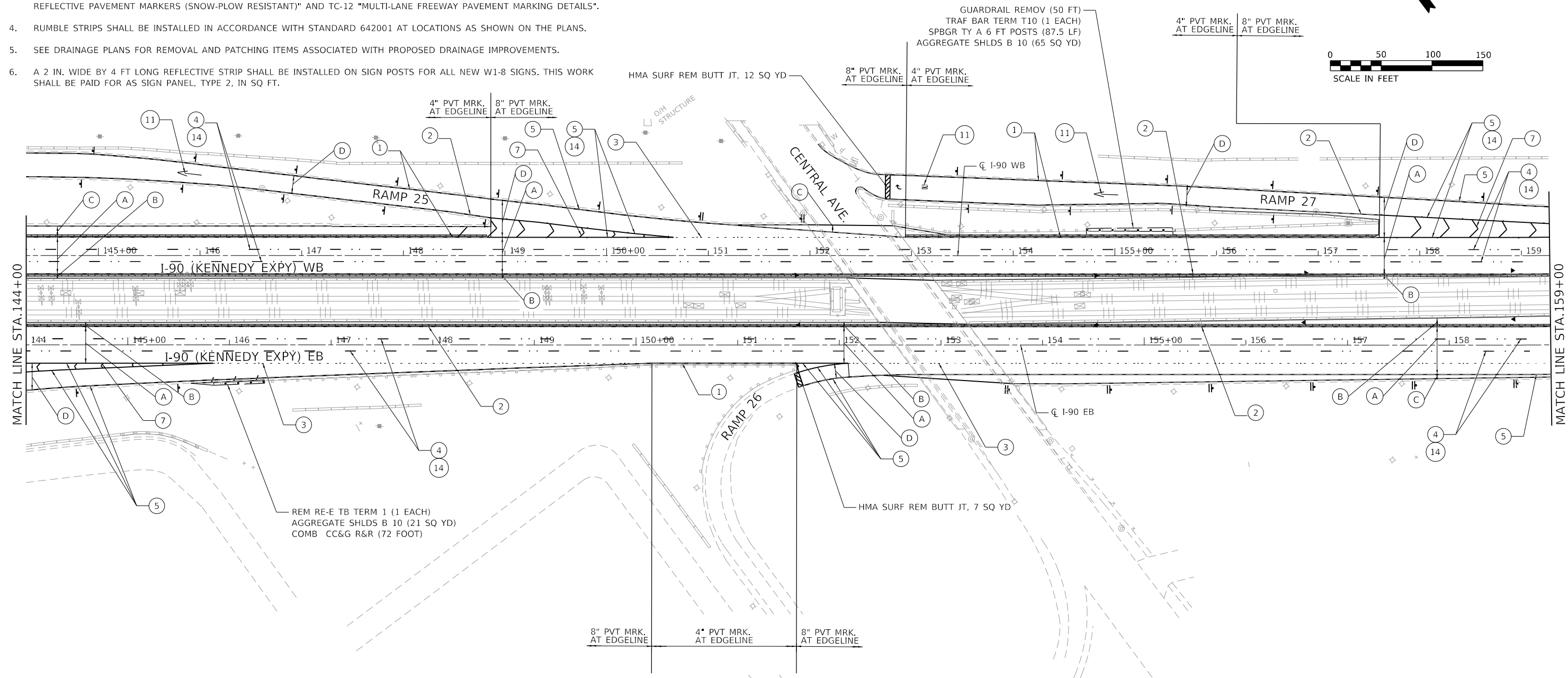
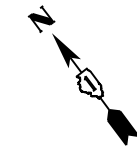
**ROADWAY AND PAVEMENT MARKING PLAN
I-90 (IL. RTE. 43 - I-94)**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	26
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

NOTES:

1. DELINEATORS SHALL BE INSTALLED ALONG ALL RAMPS PROPOSED TO BE RESURFACED AND AT LOCATIONS AS SHOWN ON THE PLANS IN ACCORDANCE TO STANDARD 635001.
2. BARRIER WALL MARKERS SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS ACCORDING TO STANDARD 782006.
3. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH THE DISTRICT ONE DETAILS TC-11 "RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" AND TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS".
4. RUMBLE STRIPS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD 642001 AT LOCATIONS AS SHOWN ON THE PLANS.
5. SEE DRAINAGE PLANS FOR REMOVAL AND PATCHING ITEMS ASSOCIATED WITH PROPOSED DRAINAGE IMPROVEMENTS.
6. A 2 IN. WIDE BY 4 FT LONG REFLECTIVE STRIP SHALL BE INSTALLED ON SIGN POSTS FOR ALL NEW W1-8 SIGNS. THIS WORK SHALL BE PAID FOR AS SIGN PANEL, TYPE 2, IN SQ FT.



ROADWAY WORK LEGEND

- | | |
|---|---|
| <p>ON MAINLINE:</p> <p>(A) HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
POLYMERIZED HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, SMA, 12.5, N80, 2-3/4"</p> <p>ON INSIDE SHOULDER:</p> <p>(B) HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
POLYMERIZED HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, SMA, 12.5, N80, 2-3/4"</p> <p>ON OUTSIDE SHOULDER:</p> <p>(C) HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2"
HMA BINDER COURSE, IL-19.0, N70, 2-3/4"</p> <p>ON RAMPS:</p> <p>(D) HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1-3/4"
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"</p> | <p>┆ PROP. SINGLE DELINEATOR</p> <p> PROP. DOUBLE DELINEATOR</p> <p>▬ PROP. RUMBLE STRIP</p> <p>◀ PROP. BARRIER WALL REFLECTORS, TYPE C</p> |
|---|---|

PAVEMENT MARKING LEGEND

- | | |
|--|--|
| <p>(1) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)</p> <p>(2) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)</p> <p>(3) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 4" (2' - DASH, 6' - SKIP, WHITE)</p> <p>(4) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 5" (10' - DASH, 30' - SKIP, WHITE)</p> <p>(5) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)</p> <p>(6) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (3' - DASH, 9' - SKIP, WHITE)</p> <p>(7) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (30' - SPACING, CHEVRON, WHITE)</p> <p>(8) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (500' - SPACING, 45° DIAGONAL, WHITE)</p> | <p>(9) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (500' - SPACING, 45° DIAGONAL, YELLOW)</p> <p>(10) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)</p> <p>(11) THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)</p> <p>(12) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10' - SPACING, 45° DIAGONAL, WHITE)</p> <p>(13) THERMOPLASTIC PAVEMENT MARKING - LINE 6" - (WHITE)</p> <p>(14) RAISED REFLECTIVE PAVEMENT MARKINGS</p> |
|--|--|

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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 1/30/2020	CHECKED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

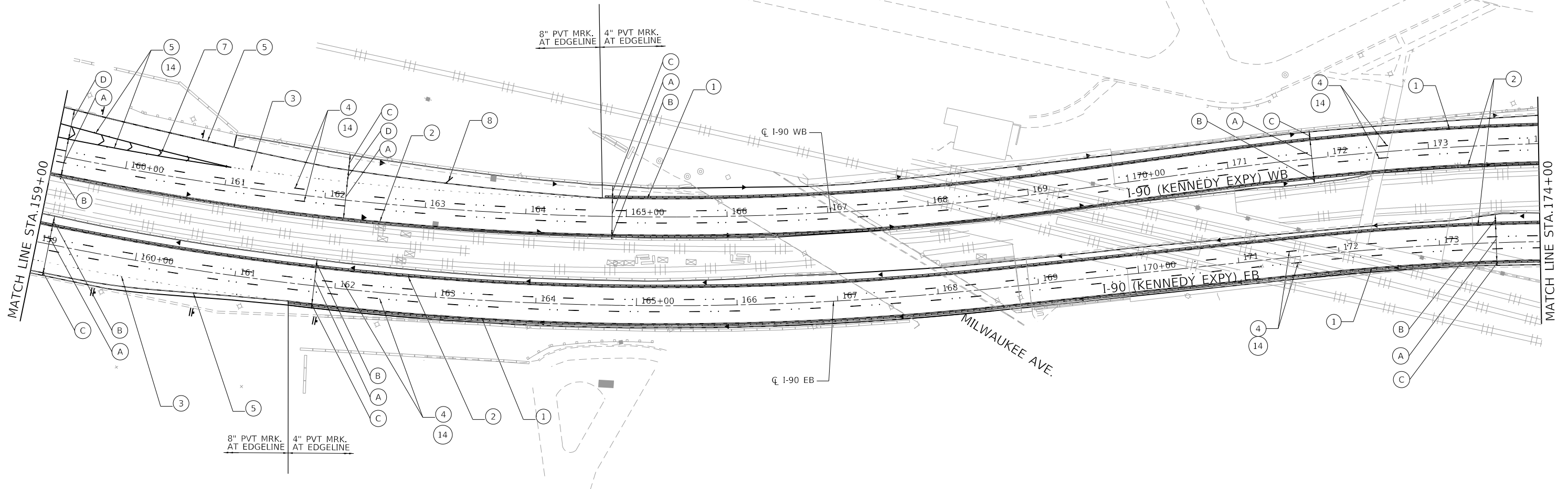
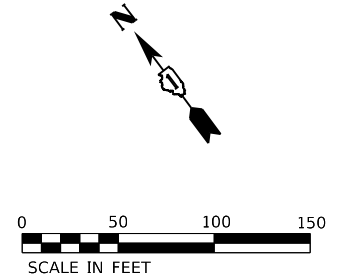
**ROADWAY AND PAVEMENT MARKING PLAN
I-90 (IL. RTE. 43 - I-94)**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	27
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

NOTES:

1. DELINEATORS SHALL BE INSTALLED ALONG ALL RAMPS PROPOSED TO BE RESURFACED AND AT LOCATIONS AS SHOWN ON THE PLANS IN ACCORDANCE TO STANDARD 635001.
2. BARRIER WALL MARKERS SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS ACCORDING TO STANDARD 782006.
3. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH THE DISTRICT ONE DETAILS TC-11 "RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" AND TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS".
4. RUMBLE STRIPS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD 642001 AT LOCATIONS AS SHOWN ON THE PLANS.
5. SEE DRAINAGE PLANS FOR REMOVAL AND PATCHING ITEMS ASSOCIATED WITH PROPOSED DRAINAGE IMPROVEMENTS.
6. A 2 IN. WIDE BY 4 FT LONG REFLECTIVE STRIP SHALL BE INSTALLED ON SIGN POSTS FOR ALL NEW W1-8 SIGNS. THIS WORK SHALL BE PAID FOR AS SIGN PANEL, TYPE 2, IN SQ FT.



ROADWAY WORK LEGEND

- (A) ON MAINLINE:
HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
POLYMERIZED HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, SMA, 12.5, N80, 2-3/4"
- (B) ON INSIDE SHOULDER:
HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
POLYMERIZED HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, SMA, 12.5, N80, 2-3/4"
- (C) ON OUTSIDE SHOULDER:
HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2"
HMA BINDER COURSE, IL-19.0, N70, 2-3/4"
- (D) ON RAMPS:
HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1-3/4"
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"

- ┆ PROP. SINGLE DELINEATOR
- || PROP. DOUBLE DELINEATOR
- ▬ PROP. RUMBLE STRIP
- ◀ PROP. BARRIER WALL REFLECTORS, TYPE C

PAVEMENT MARKING LEGEND

- (1) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)
- (2) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)
- (3) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 4" (2' - DASH, 6' - SKIP, WHITE)
- (4) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 5" (10' - DASH, 30' - SKIP, WHITE)
- (5) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
- (6) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (3' - DASH, 9' - SKIP, WHITE)
- (7) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (30' - SPACING, CHEVRON, WHITE)
- (8) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (500' - SPACING, 45° DIAGONAL, WHITE)
- (9) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (500' - SPACING, 45° DIAGONAL, YELLOW)
- (10) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)
- (11) THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- (12) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10' - SPACING, 45° DIAGONAL, WHITE)
- (13) THERMOPLASTIC PAVEMENT MARKING - LINE 6" - (WHITE)
- (14) RAISED REFLECTIVE PAVEMENT MARKINGS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

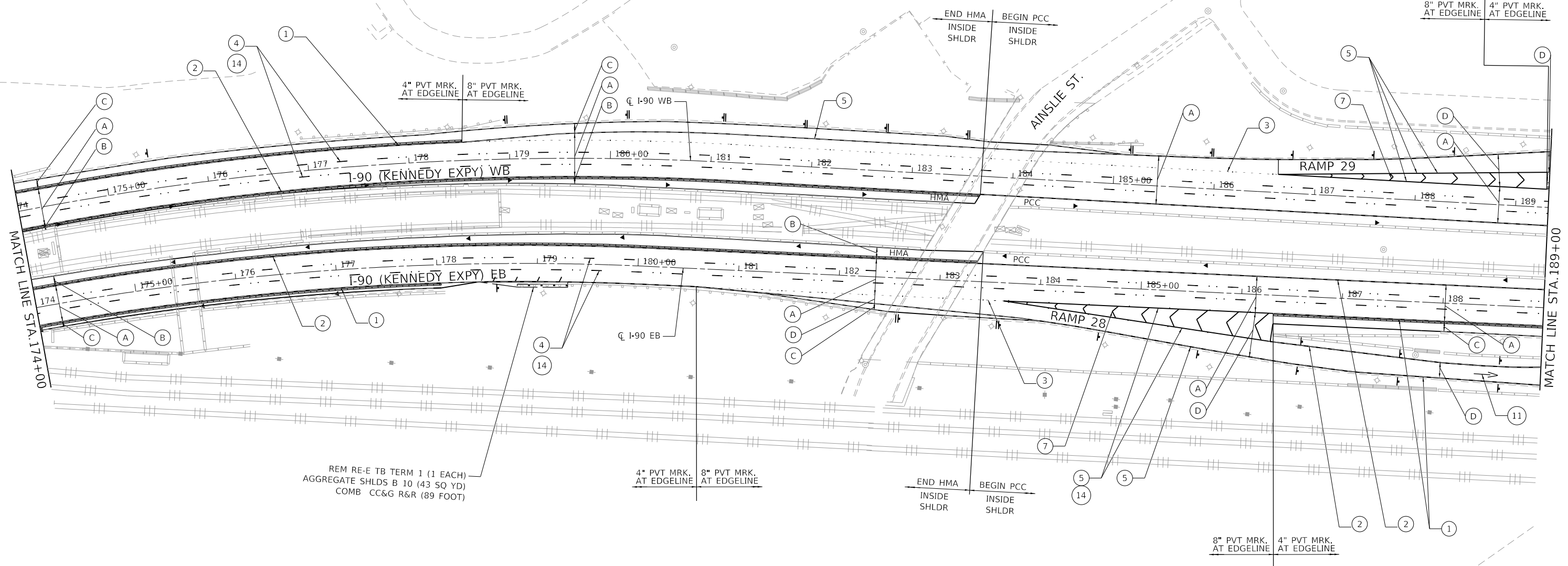
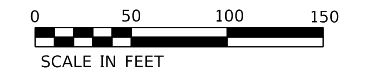
**ROADWAY AND PAVEMENT MARKING PLAN
I-90 (IL. RTE. 43 - I-94)**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	28
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

NOTES:

1. DELINEATORS SHALL BE INSTALLED ALONG ALL RAMPS PROPOSED TO BE RESURFACED AND AT LOCATIONS AS SHOWN ON THE PLANS IN ACCORDANCE TO STANDARD 635001.
2. BARRIER WALL MARKERS SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS ACCORDING TO STANDARD 782006.
3. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH THE DISTRICT ONE DETAILS TC-11 "RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" AND TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS".
4. RUMBLE STRIPS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD 642001 AT LOCATIONS AS SHOWN ON THE PLANS.
5. SEE DRAINAGE PLANS FOR REMOVAL AND PATCHING ITEMS ASSOCIATED WITH PROPOSED DRAINAGE IMPROVEMENTS.
6. A 2 IN. WIDE BY 4 FT LONG REFLECTIVE STRIP SHALL BE INSTALLED ON SIGN POSTS FOR ALL NEW W1-8 SIGNS. THIS WORK SHALL BE PAID FOR AS SIGN PANEL, TYPE 2, IN SQ FT.



REM RE-E TB TERM 1 (1 EACH)
 AGGREGATE SHLDS B 10 (43 SQ YD)
 COMB CC&G R&R (89 FOOT)

ROADWAY WORK LEGEND

- (A) ON MAINLINE:
 HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
 POLYMERIZED HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
 POLYMERIZED HMA BINDER COURSE, SMA, 12.5, N80, 2-3/4"
 - (B) ON INSIDE SHOULDER:
 HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
 POLYMERIZED HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
 POLYMERIZED HMA BINDER COURSE, SMA, 12.5, N80, 2-3/4"
 - (C) ON OUTSIDE SHOULDER:
 HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2"
 HMA BINDER COURSE, IL-19.0, N70, 2-3/4"
 - (D) ON RAMPS:
 HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"
 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1-3/4"
 POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"
- ▬ PROP. SINGLE DELINEATOR
 - ▬▬ PROP. DOUBLE DELINEATOR
 - ▬▬▬ PROP. RUMBLE STRIP
 - ◀ PROP. BARRIER WALL REFLECTORS, TYPE C

PAVEMENT MARKING LEGEND

- (1) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)
- (2) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)
- (3) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 4" (2' - DASH, 6' - SKIP, WHITE)
- (4) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 5" (10' - DASH, 30' - SKIP, WHITE)
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- (11) THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- (12) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10' - SPACING, 45° DIAGONAL, WHITE)
- (13) THERMOPLASTIC PAVEMENT MARKING - LINE 6" - (WHITE)
- (14) RAISED REFLECTIVE PAVEMENT MARKINGS

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	DRAWN -	REVISED -
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PLOT DATE = 1/30/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

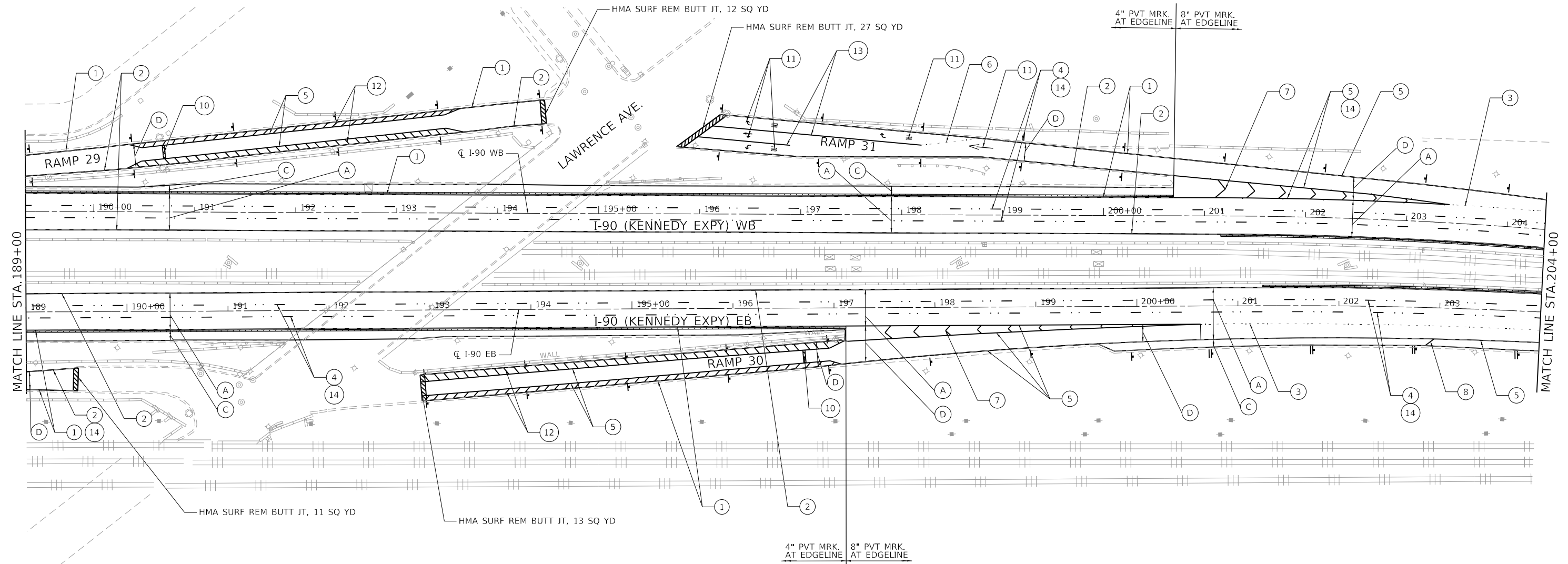
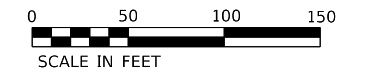
**ROADWAY AND PAVEMENT MARKING PLAN
 I-90 (IL. RTE. 43 - I-94)**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-R5&T	COOK	119	29
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

NOTES:

1. DELINEATORS SHALL BE INSTALLED ALONG ALL RAMPS PROPOSED TO BE RESURFACED AND AT LOCATIONS AS SHOWN ON THE PLANS IN ACCORDANCE TO STANDARD 635001.
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5. SEE DRAINAGE PLANS FOR REMOVAL AND PATCHING ITEMS ASSOCIATED WITH PROPOSED DRAINAGE IMPROVEMENTS.
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ROADWAY WORK LEGEND

- | | |
|---|---|
| <p>ON MAINLINE:</p> <p>(A) HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
POLYMERIZED HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, SMA, 12.5, N80, 2-3/4"</p> <p>ON INSIDE SHOULDER:</p> <p>(B) HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
POLYMERIZED HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, SMA, 12.5, N80, 2-3/4"</p> <p>ON OUTSIDE SHOULDER:</p> <p>(C) HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2"
HMA BINDER COURSE, IL-19.0, N70, 2-3/4"</p> <p>ON RAMPS:</p> <p>(D) HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1-3/4"
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"</p> | <p>┆ PROP. SINGLE DELINEATOR</p> <p> PROP. DOUBLE DELINEATOR</p> <p>▬ PROP. RUMBLE STRIP</p> <p>◀ PROP. BARRIER WALL REFLECTORS, TYPE C</p> |
|---|---|

PAVEMENT MARKING LEGEND

- | | |
|--|--|
| <p>(1) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)</p> <p>(2) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)</p> <p>(3) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 4" (2' - DASH, 6' - SKIP, WHITE)</p> <p>(4) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 5" (10' - DASH, 30' - SKIP, WHITE)</p> <p>(5) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)</p> <p>(6) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (3' - DASH, 9' - SKIP, WHITE)</p> <p>(7) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (30' - SPACING, CHEVRON, WHITE)</p> <p>(8) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (500' - SPACING, 45° DIAGONAL, WHITE)</p> | <p>(9) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (500' - SPACING, 45° DIAGONAL, YELLOW)</p> <p>(10) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)</p> <p>(11) THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)</p> <p>(12) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10' - SPACING, 45° DIAGONAL, WHITE)</p> <p>(13) THERMOPLASTIC PAVEMENT MARKING - LINE 6" - (WHITE)</p> <p>(14) RAISED REFLECTIVE PAVEMENT MARKINGS</p> |
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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 1/30/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

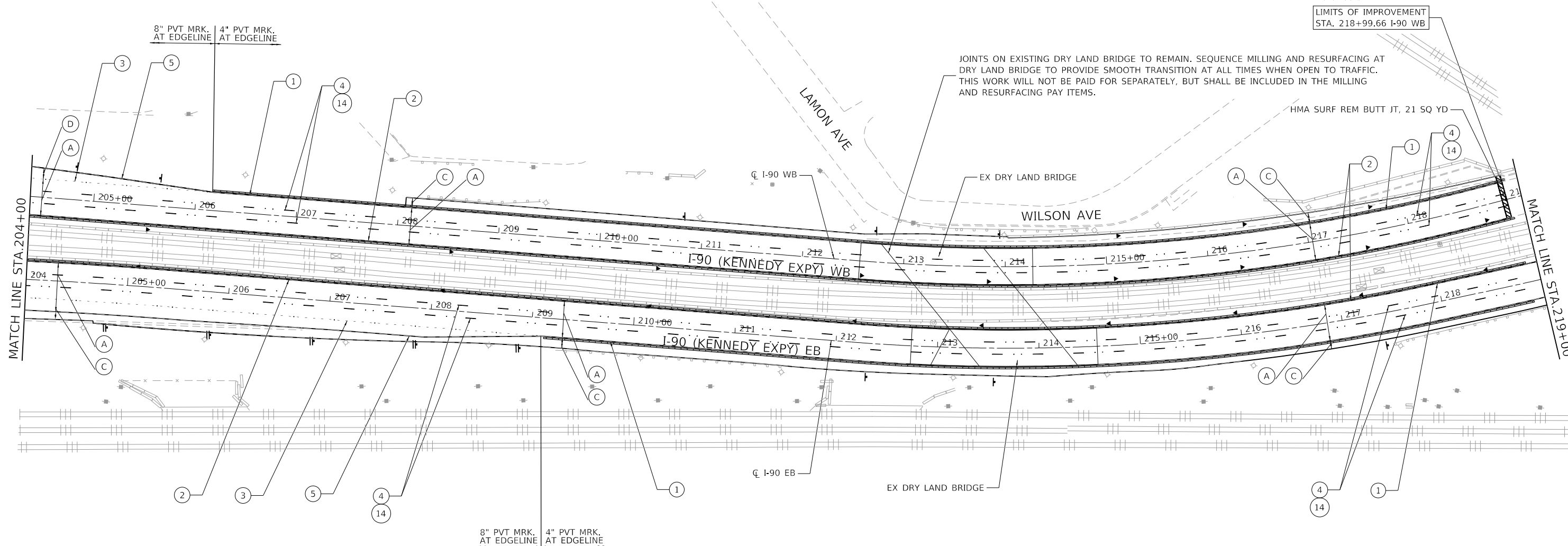
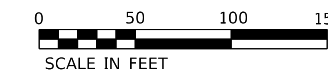
**ROADWAY AND PAVEMENT MARKING PLAN
I-90 (IL. RTE. 43 - I-94)**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	30
CONTRACT NO. 62J59				
ILLINOIS		FED. AID PROJECT		

NOTES:

1. DELINEATORS SHALL BE INSTALLED ALONG ALL RAMP PROPOSED TO BE RESURFACED AND AT LOCATIONS AS SHOWN ON THE PLANS IN ACCORDANCE TO STANDARD 635001.
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6. A 2 IN. WIDE BY 4 FT LONG REFLECTIVE STRIP SHALL BE INSTALLED ON SIGN POSTS FOR ALL NEW W1-8 SIGNS. THIS WORK SHALL BE PAID FOR AS SIGN PANEL, TYPE 2, IN SQ FT.



ROADWAY WORK LEGEND

- (A) ON MAINLINE:
HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
POLYMERIZED HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, SMA, 12.5, N80, 2-3/4"
- (B) ON INSIDE SHOULDER:
HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
POLYMERIZED HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, SMA, 12.5, N80, 2-3/4"
- (C) ON OUTSIDE SHOULDER:
HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2"
HMA BINDER COURSE, IL-19.0, N70, 2-3/4"
- (D) ON RAMP:
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HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1-3/4"
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"

- ┆ PROP. SINGLE DELINEATOR
- || PROP. DOUBLE DELINEATOR
- ▬ PROP. RUMBLE STRIP
- ◀ PROP. BARRIER WALL REFLECTORS, TYPE C

PAVEMENT MARKING LEGEND

- (1) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)
- (2) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)
- (3) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 4" (2' - DASH, 6' - SKIP, WHITE)
- (4) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 5" (10' - DASH, 30' - SKIP, WHITE)
- (5) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
- (6) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (3' - DASH, 9' - SKIP, WHITE)
- (7) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (30' - SPACING, CHEVRON, WHITE)
- (8) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (500' - SPACING, 45° DIAGONAL, WHITE)
- (9) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (500' - SPACING, 45° DIAGONAL, YELLOW)
- (10) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)
- (11) THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- (12) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10' - SPACING, 45° DIAGONAL, WHITE)
- (13) THERMOPLASTIC PAVEMENT MARKING - LINE 6" - (WHITE)
- (14) RAISED REFLECTIVE PAVEMENT MARKINGS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

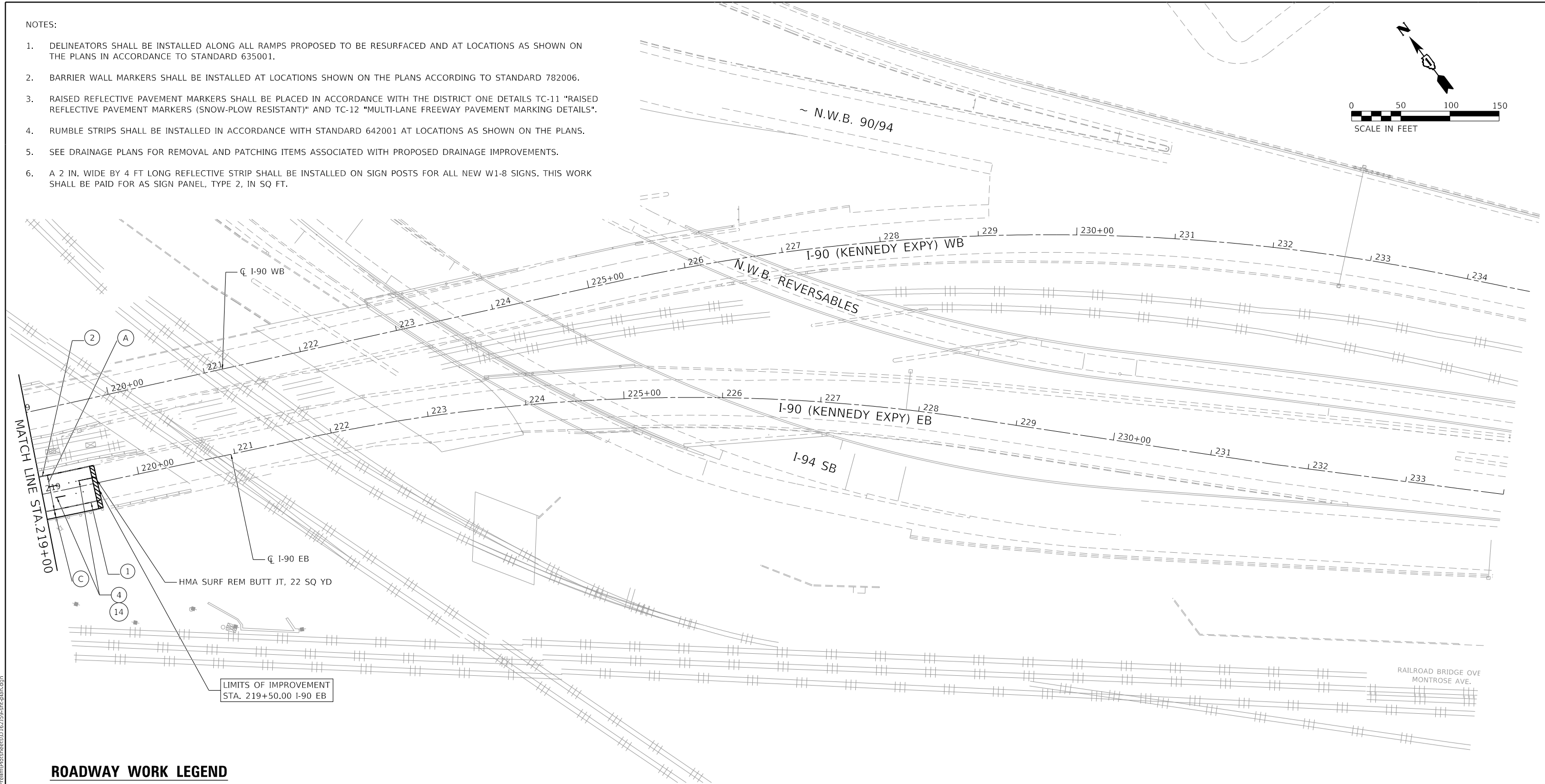
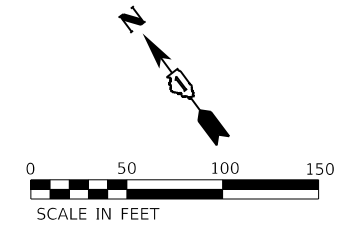
**ROADWAY AND PAVEMENT MARKING PLAN
I-90 (IL. RTE. 43 - I-94)**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	31
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

NOTES:

1. DELINEATORS SHALL BE INSTALLED ALONG ALL RAMP PROPOSED TO BE RESURFACED AND AT LOCATIONS AS SHOWN ON THE PLANS IN ACCORDANCE TO STANDARD 635001.
2. BARRIER WALL MARKERS SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS ACCORDING TO STANDARD 782006.
3. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH THE DISTRICT ONE DETAILS TC-11 "RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" AND TC-12 "MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS".
4. RUMBLE STRIPS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD 642001 AT LOCATIONS AS SHOWN ON THE PLANS.
5. SEE DRAINAGE PLANS FOR REMOVAL AND PATCHING ITEMS ASSOCIATED WITH PROPOSED DRAINAGE IMPROVEMENTS.
6. A 2 IN. WIDE BY 4 FT LONG REFLECTIVE STRIP SHALL BE INSTALLED ON SIGN POSTS FOR ALL NEW W1-8 SIGNS. THIS WORK SHALL BE PAID FOR AS SIGN PANEL, TYPE 2, IN SQ FT.



ROADWAY WORK LEGEND

- (A) ON MAINLINE:
HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
POLYMERIZED HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, SMA, 12.5, N80, 2-3/4"
- (B) ON INSIDE SHOULDER:
HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
POLYMERIZED HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
POLYMERIZED HMA BINDER COURSE, SMA, 12.5, N80, 2-3/4"
- (C) ON OUTSIDE SHOULDER:
HOT-MIX ASPHALT SURFACE REMOVAL, 4-3/4"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2"
HMA BINDER COURSE, IL-19.0, N70, 2-3/4"
- (D) ON RAMP:
HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1-3/4"
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"

- ┆ PROP. SINGLE DELINEATOR
- || PROP. DOUBLE DELINEATOR
- ▬ PROP. RUMBLE STRIP
- ◀ PROP. BARRIER WALL REFLECTORS, TYPE C

PAVEMENT MARKING LEGEND

- (1) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)
- (2) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)
- (3) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 4" (2' - DASH, 6' - SKIP, WHITE)
- (4) PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 5" (10' - DASH, 30' - SKIP, WHITE)
- (5) THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
- (6) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (3' - DASH, 9' - SKIP, WHITE)
- (7) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (30' - SPACING, CHEVRON, WHITE)
- (8) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (500' - SPACING, 45° DIAGONAL, WHITE)
- (9) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (500' - SPACING, 45° DIAGONAL, YELLOW)
- (10) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)
- (11) THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- (12) THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10' - SPACING, 45° DIAGONAL, WHITE)
- (13) THERMOPLASTIC PAVEMENT MARKING - LINE 6" - (WHITE)
- (14) RAISED REFLECTIVE PAVEMENT MARKINGS

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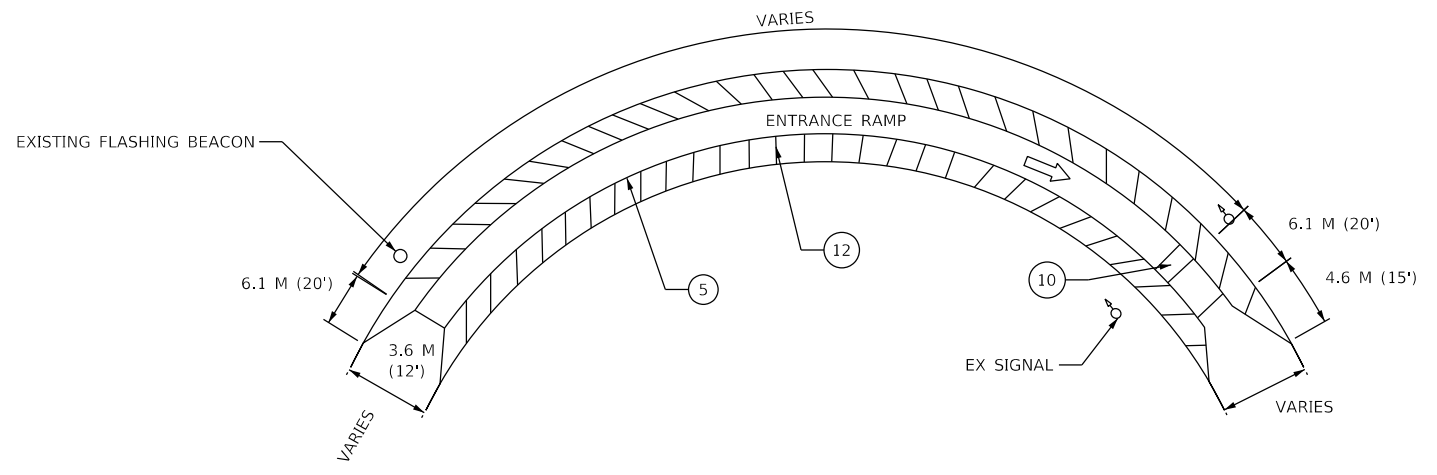
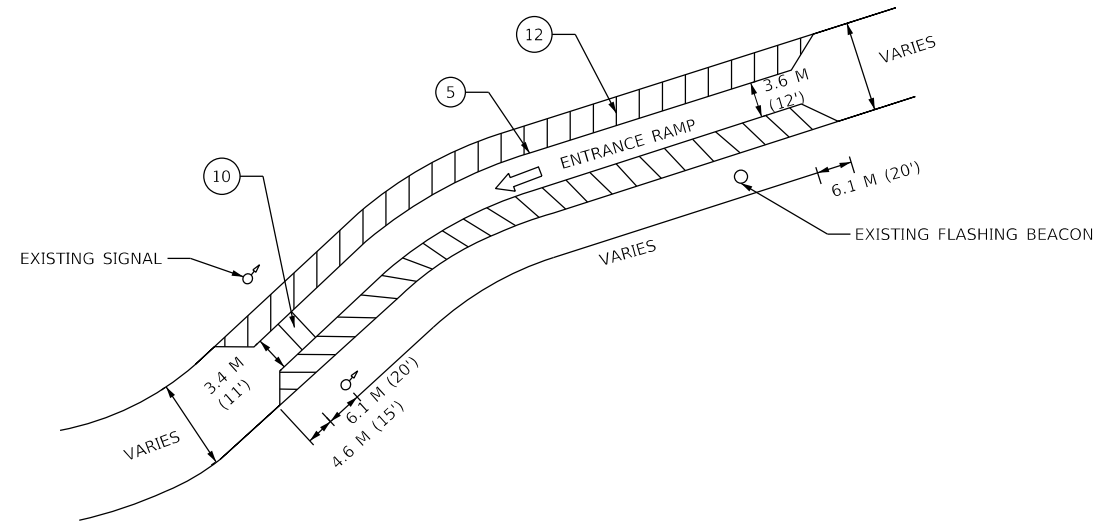
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

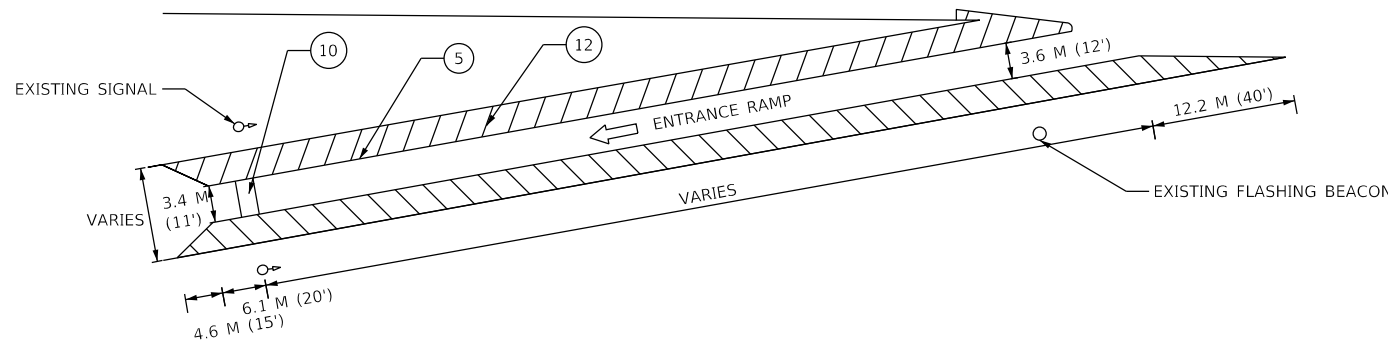
**ROADWAY AND PAVEMENT MARKING PLAN
I-90 (IL. RTE. 43 - I-94)**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-R5&T	COOK	119	32
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



FRONTAGE ROAD



PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)
- ③ PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 4" (2' - DASH, 6' - SKIP, WHITE)
- ④ PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 5" (10' - DASH, 30' - SKIP, WHITE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (3' - DASH, 9' - SKIP, WHITE)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (30' - SPACING, CHEVRON, WHITE)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (500' - SPACING, 45° DIAGONAL, WHITE)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (500' - SPACING, 45° DIAGONAL, YELLOW)
- ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)
- ⑪ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (10' - SPACING, 45° DIAGONAL, WHITE)
- ⑬ THERMOPLASTIC PAVEMENT MARKING - LINE 6" - (WHITE)
- ⑭ RAISED REFLECTIVE PAVEMENT MARKINGS

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PLOT DATE = 1/30/2020		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL RAMP
METERING STRIPING**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	33
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

MAINTENANCE OF TRAFFIC – GENERAL NOTES

- TRAFFIC CONDITIONS, CRASHES, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY, OR REMOVE LANE CLOSURES OR CHANNELIZATIONS SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DIRECTED BY THE ENGINEER WITHOUT DELAY. COMPLIANCE WITH THIS REQUIREMENT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE OF "TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)" (X7011015). NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE MAINTENANCE OF TRAFFIC PLANS SHALL SERVE AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THE CONTRACT. THE CONTRACTOR MAY MODIFY THE MAINTENANCE OF TRAFFIC PLANS TO MEET CONSTRUCTION NEEDS, BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.
- THE CONTRACTOR SHALL REMOVE ALL TEMPORARY OR EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE STAGING. REMOVAL OF PAVEMENT MARKING TAPE WILL BE PAID FOR AS "TEMPORARY PAVEMENT MARKING REMOVAL" (X7030005). REMOVAL OF PAVEMENT MARKINGS ON PERMANENT PAVEMENT WILL BE PAID FOR AS PAVEMENT MARKING REMOVAL-WATERBLASTING (X0327980).
- ALL TRAFFIC CONTROL DEVICES INCLUDING, BUT NOT LIMITED TO DRUMS, VERTICAL PANELS, AND BARRICADES IMMEDIATELY ADJACENT TO THE EDGE OF TRAVELED WAY SHALL BE EQUIPPED WITH MONO-DIRECTIONAL STEADY BURNING LIGHTS.
- THE CONTRACTOR SHALL REMOVE OR COVER ALL EXISTING SIGNS THAT CONFLICT WITH OR DO NOT APPLY TO THE REVISED TRAFFIC PATTERNS AND SHALL RESTORE THE SIGNS AT THE END OF CONSTRUCTION AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE 48 HOURS ADVANCE NOTICE TO THE ENGINEER OF ANY CONSTRUCTION WORK.
- ANY RAISED REFLECTIVE PAVEMENT MARKERS THAT CONFLICT WITH THE TEMPORARY TRAFFIC LANES MUST HAVE THE REFLECTIVE LENSES REMOVED AS DIRECTED BY THE ENGINEER.
- TEMPORARY PAVEMENT MARKINGS ON MILLED SURFACES SHALL BE PAINT. TEMPORARY PAVEMENT MARKINGS APPLIED TO PROPOSED HMA LIFTS INCLUDING THE FINAL WEARING SURFACE SHALL BE PAVEMENT MARKING TAPE, TYPE IV. TEMPORARY PAVEMENT MARKING IS NOT REQUIRED FOR SHORT TERM CLOSURES.
- ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER 7 DAYS OF SERVICE SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER, SUFFICIENT QUANTITIES FOR 2 APPLICATIONS OF TEMPORARY PAVEMENT MARKINGS HAVE BEEN PROVIDED FOR EACH STAGE.
- AT THE END OF EACH WORK DAY THE CONTRACTOR SHALL BACKFILL OR COVER ALL EXPOSED TRENCHES AND OPEN EXCAVATION HOLES NOT PROTECTED BY THE TEMPORARY CONCRETE BARRIER IN ORDER TO PROVIDE SAFE CONDITIONS FOR THE TRAVELING PUBLIC.
- DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL TAKE NECESSARY PRE-CAUTIONS TO AVOID ANY CONSTRUCTION DEBRIS FROM ENCRDACHING INTO THE ADJACENT THROUGH LANES.
- TEMPORARY CONCRETE BARRIERS SHALL BE EQUIPPED WITH BARRIER WALL REFLECTORS, IN ACCORDANCE WITH TRAFFIC CONTROL HIGHWAY STANDARD 704001-08 AT 25' CENTERS.
- LOCATIONS OF CHANGEABLE MESSAGE SIGN (70107025) SHALL BE DETERMINED BY THE ENGINEER.
- THE CONTRACTOR SHALL REQUEST AND GAIN THE APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATIONS ENGINEER AT WWW.IDOTLCS.COM TWENTY-FOUR (24) HOURS IN ADVANCE OF ALL DAILY LANE, RAMP AND SHOULDER CLOSURES. SEE KEEPING THE EXPRESSWAY OPEN TO TRAFFIC SPECIAL PROVISION FOR MORE INFORMATION.
- ALL STAGE CHANGES REQUIRING THE STOPPING AND/OR THE PACING OF TRAFFIC SHALL TAKE PLACE DURING THE ALLOWABLE HOURS FOR FULL EXPRESSWAY CLOSURES AND SHALL BE APPROVED BY THE DEPARTMENT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT LEAST 3 WORKING DAYS (WEEKENDS AND HOLIDAYS DO NOT COUNT INTO THIS 72 HOURS NOTIFICATION) IN ADVANCE OF ANY PROPOSED STAGE CHANGE.
- A MAINTENANCE OF TRAFFIC PLAN SHALL BE SUBMITTED TO THE DIRSTRCT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR 14 DAYS IN ADVANCE OF ANY STAGE CHANGES OR FULL EXPRESSWAY CLOSURES. THE MAINTENACE OF TRAFFIC PLAN SHALL INCLUDE, BUT NOT BE LIMITED TO: LANE AND RAMP CLOSURES, EXISTING GEOMETRICS, AND EQUIPMENT AND MATERIAL LOCATIONS.
- AT LOCATIONS WHERE TRAFFIC IS SHIFTED ONTO THE EXISTING SHOULDERS THE EXISTING RUMBLE STRIPS SHALL BE REMOVED.

SUGGESTED STAGING NOTES

THE FOLLOWING STAGES SHALL BE USED FOR EASTBOUND AND WESTBOUND. EASTBOUOND SHALL BE CONSTRUCTED IN THE FIRST YEAR. WESTBOUND SHALL BE CONSTRUCTED IN THE SECOND YEAR. STAGES 1A, 1B, 1C, AND 1D MAY BE COMPLETED IN ANY ORDER. DRAINAGE IMPROVEMENTS MUST BE COMPLETED PRIOR TO THE START OF STAGE 2 - RESURFACING.

STAGE 1 A - DRAINAGE IMPROVEMENTS RAMP, RAMP GORES, AND OUTSIDE SHOULDERS

TRAFFIC

- REDUCE LANES UTILIZING DISTRICT STANDARD TC-08 TO PROVIDE THREE 11-FOOT LANES, AS SHOWN ON THE PLANS.
- CLOSE RAMPS UTILIZING DISTRICT STANDARD TC-08. RAMPS MAY BE CLOSED ONLY DURING ALLOWABLE TIMES. CONSECUTIVE RAMP CLOSURES AT THE SAME TIME ARE NOT PERMITTED.
- ADDITIONAL LANE CLOSURES ARE ALLOWED DURING ALLOWABLE HOURS.

CONSTRUCTION

- PLACE TEMPORARY CONCRETE BARRIER ALONG MAINLINE.
- PLACE TEMPORARY PAVEMENT MARKING TAPE, TYPE IV.
- CONSTRUCT TRENCH DRAINS IN RAMPS, RAMP GORES, AND OUTSIDE SHOULDERS.

STAGE 1 B - DRAINAGE IMPROVEMENTS INSIDE SHOULDERS

TRAFFIC

- REDUCE LANES UTILIZING DISTRICT STANDARD TC-08 TO PROVIDE THREE 11-FOOT LANES, AS SHOWN ON THE PLANS.
- ADDITIONAL LANE CLOSURES ARE ALLOWED DURING ALLOWABLE HOURS.

CONSTRUCTION

- PLACE TEMPORARY CONCRETE BARRIER ALONG MAINLINE.
- PLACE TEMPORARY PAVEMENT MARKING TAPE, TYPE IV.
- CONSTRUCT TRENCH DRAINS IN INSIDE SHOULDERS.

STAGE 1 C - DRAINAGE IMPROVEMENTS ACROSS MAINLINE LANES

TRAFFIC

- CLOSE LANES 2 AND 3 DURING ALLOWABLE TIMES UTILIZING STANDARDS 701400, 701411, 701446, AND TC-09.
- PROVIDE ONE 11-FOOT LANE SHIFTING TRAFFIC TO LANE 1.
- CLOSE RAMPS UTILIZING STANDARDS TC-08. RAMPS MAY BE CLOSED ONLY DURING ALLOWABLE TIMES. CONSECUTIVE RAMP CLOSURES AT THE SAME TIME ARE NOT PERMITTED.
- ALL LANES OF TRAFFIC MUST BE OPENED TO TRAFFIC AFTER ALLOWABLE LANE CLOSURE HOURS.

CONSTRUCTION

- CONSTRUCT STORM SEWER FROM OUTSIDE SHOULDER TO MIDDLE OF LANE 2.
- AT THE END OF EACH NIGHTLY SHIFT, THE CONTRACTOR SHALL BACKFILL TRENCHES, PLACE HMA PATCH, MATCH TO EXISTING GRADE, SWEEP THE PAVEMENT SURFACE CLEAN, PLACE TEMPORARY PAVEMENT MARKINGS, AND REMOVE TRAFFIC CONTROL BEFORE OPENING THE LANES TO TRAFFIC.

STAGE 1 D DRAINAGE IMPROVEMENTS ACROSS MAINLINE LANES

TRAFFIC

- CLOSE LANES 1 AND 2 DURING ALLOWABLE TIMES UTILIZING STANDARDS 701400, 701411, 701446, AND TC-09.
- PROVIDE ONE 11-FOOT LANE SHIFTING TRAFFIC TO LANE 3
- CLOSE RAMPS UTILIZING STANDARDS TC-08. RAMPS MAY BE CLOSED ONLY DURING ALLOWABLE TIMES. CONSECUTIVE RAMP CLOSURES AT THE SAME TIME ARE NOT PERMITTED.
- ALL LANES OF TRAFFIC MUST BE OPENED TO TRAFFIC AFTER ALLOWABLE LANE CLOSURE HOURS.

CONSTRUCTION

- CONSTRUCT STORM SEWER FROM MIDDLE OF LANE 2 TO THE MEDIAN.
- AT THE END OF EACH NIGHTLY SHIFT, THE CONTRACTOR SHALL BACKFILL TRENCHES, PLACE HMA PATCH, MATCH TO EXISTING GRADE, SWEEP THE PAVEMENT SURFACE CLEAN, PLACE TEMPORARY PAVEMENT MARKINGS, AND REMOVE TRAFFIC CONTROL BEFORE OPENING THE LANES TO TRAFFIC.

STAGE 2 RESURFACING

TRAFFIC

- CLOSE LANES DURING ALLOWABLE HOURS UTILIZING STANDARDS 701400, 701401, 701411, 701446, AND TC-09.
- CLOSE RAMPS UTILIZING STANDARDS TC-08. RAMPS MAY BE CLOSED ONLY DURING ALLOWABLE TIMES. CONSECUTIVE RAMP CLOSURES AT THE SAME TIME ARE NOT PERMITTED.
- ALL LANES MUST BE OPEN TO TRAFFIC AFTER ALLOWABLE LANE CLOSURE HOURS

CONSTRUCTION

- MILL AND RESURFACE AS SHOWN IN RESURFACING SEQUENCE.
- MILL AND RESURFACE RAMPS.
- DRUMS SHALL NOT BE PLACED IN THE LANE WHICH IS OPEN TO TRAFFIC. THE CONTRACTOR SHALL USE ONE FOOT WIDE VERTICAL BARRICADES WITH STEADY BURN MONO-DIRECTIONAL LIGHTS ALONG THE MILLING AND PAVING OPERATIONS. DRUMS OR TYPE II BARRICADES SHALL BE USED TO DELINEATE ALL OPEN RAMPS THROUGH THE WORK ZONE.
- MILLING OPERATIONS SHALL BE PERFORMED SUCH THAT A VERTICAL MILLED FACE NO GREATER THAN 1-1/2" INCHES EXISTS BETWEEN ADJACENT OPEN LANES OF TRAFFIC AT ANY TIME. THIS MAY BE ACCOMPLISHED BY PLACING A TEMPORARY WEDGE OR MILLING TO PROVIDE A MINIMUM 1:3 SLOPE. OTHER METHODS MAY BE USED IF APPROVED BY THE ENGINEER PRIOR TO IMPLEMENTING THE PROCEDURE. THIS WORK SHALL BE INCLUDED IN THE COST OF HMA SURFACE REMOVAL, OF THE THICKNESS SPECIFIED.
- AT THE END OF EACH NIGHTLY SHIFT, THE CONTRACTOR SHALL SWEEP THE PAVEMENT SURFACE CLEAN, PLACE TEMPORARY PAVEMENT MARKINGS, AND REMOVE TRAFFIC CONTROL.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
SUGGESTED STAGING NOTES**

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

F.A.J RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	34
			CONTRACT NO. 62J59	
		ILLINOIS	FED. AID PROJECT	

SUGGESTED STAGING NOTES (CONT)

THE FOLLOWING STAGES SHALL BE USED FOR APPLICATION OF PROTECTIVE COAT TO BRIDGE DECKS AS SHOWN IN THE PLANS.

STAGE 3 - PROTECTIVE COAT TO BE APPLIED TO STRUCTURES

TRAFFIC

1. CLOSE LANES ALONG BRIDGES UTILIZING STANDARDS AS SHOWN IN THE TABLE BELOW FOR EACH LOCATION.
2. ONE LANE CLOSURES WILL ONLY BE ALLOWED BETWEEN THE HOURS OF 8:00 PM TO 6:00 AM.
3. IF RAMP CLOSURES ARE REQUIRED, CLOSE RAMP UTILIZING DISTRICT STANDARDS TC-08. RAMPS MAY BE CLOSED ONLY DURING ALLOWABLE TIMES. CONSECUTIVE RAMP CLOSURES AT THE SAME TIME ARE NOT PERMITTED.

CONSTRUCTION

1. APPLY PROTECTIVE COAT TO BRIDGE DECK, SIDEWALK, MEDIAN, FACE OF PARAPET, AND TOP OF PARAPET.

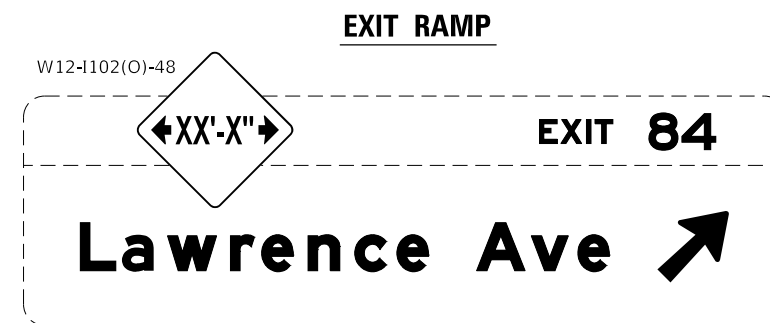
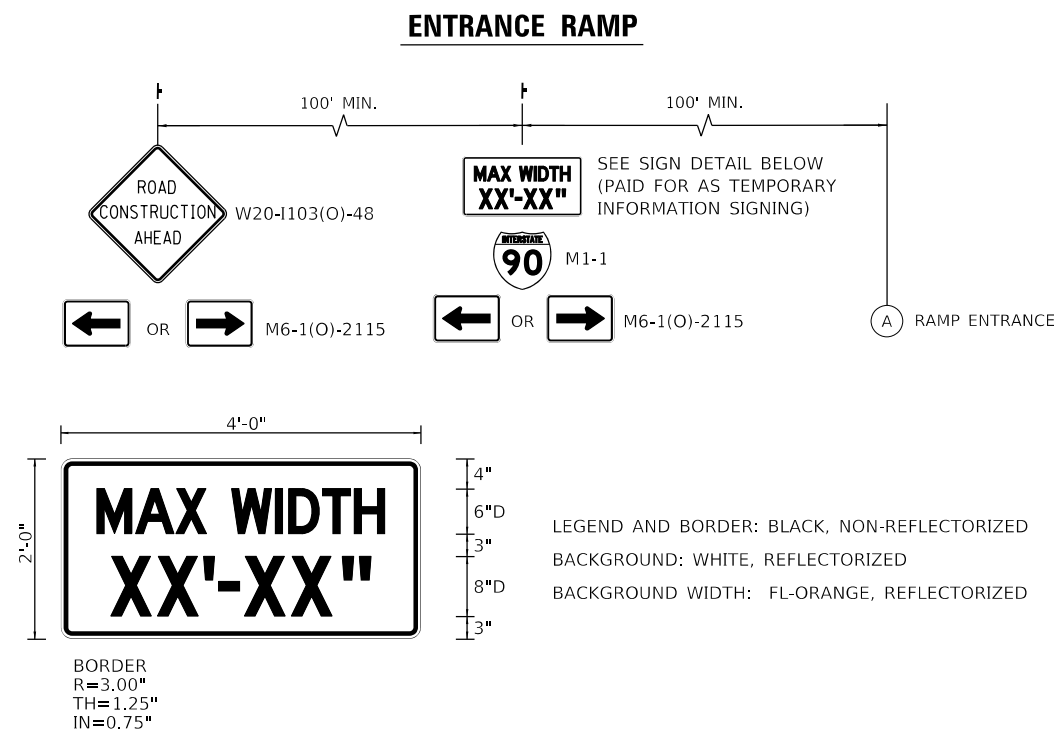
TRAFFIC CONTROL AND PROTECTION FOR STRUCTURES

STRUCTURE NUMBER	FACILITY CARRIED	FEATURE CROSSED	701501 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED	701601 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN	701606 URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN	701701 URBAN LANE CLOSURE MULTILANE INTERSECTION	701801 SIDEWALK, CORNER OR CROSSWALK CLOSURE
016-0836	LAWRENCE AVE	I-90			X	X	X
016-1105	AINSLIE ST	I-90	X				X
016-1107	MILWAUKEE AVE	I-90		X			X
016-0659	CENTRAL AVE	I-90		X			X
016-0708	NAGLE AVE	I-90			X	X	X
016-1106	NATOMA AVE	I-90	X				X
016-1104	SAYRE AVE	I-90			X		X
016-0309	IL 43 (HARLEM AVE)	I-90		X		X	X

NOTES:

1. WHEN APPLICABLE, STANDARD 701427 MAY BE USED IF SEALER DRIES IN LESS THAN 1 HOUR.

ADVANCED SIGNING FOR VEHICLE WIDTH RESTRICTIONS DETAILS



NOTES:

1. FOR ENTRANCE RAMPS, ADVANCED SIGNING SHALL BE PLACED AS SHOWN IN THE DETAIL ALONG THE SIDE STREET PRIOR TO THE ENTRANCE OF THE RAMP AND AS SHOWN ON THE PLANS.
2. FOR EXIT RAMPS, SIGN W12-1102 SHALL BE PLACED ABOVE THE EXISTING OVERHEAD SIGN PANELS FOR THE CORRESPONDING RAMP AND AS SHOWN ON THE PLANS.

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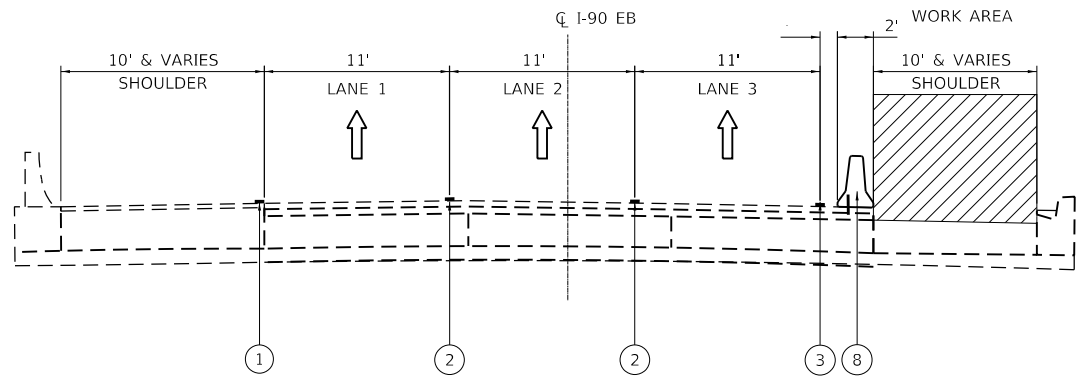
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
SUGGESTED STAGING NOTES**

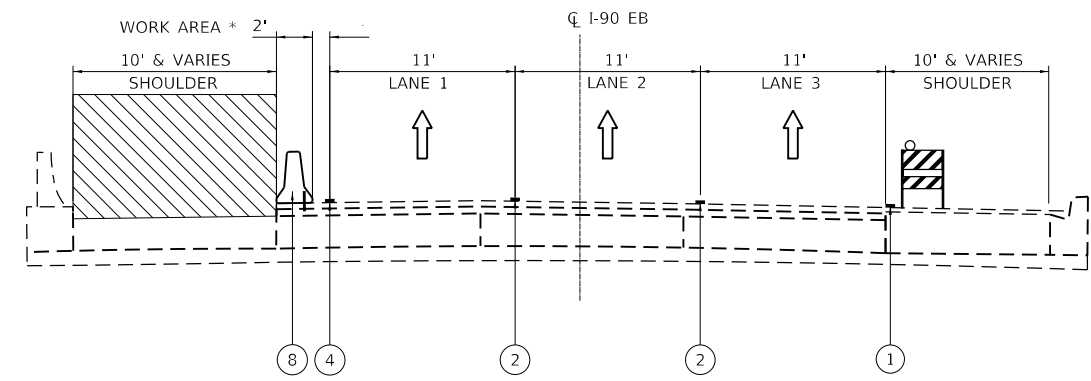
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F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62J59			ILLINOIS FED. AID PROJECT	



DRAINAGE IMPROVEMENTS AT OUTSIDE SHOULDER

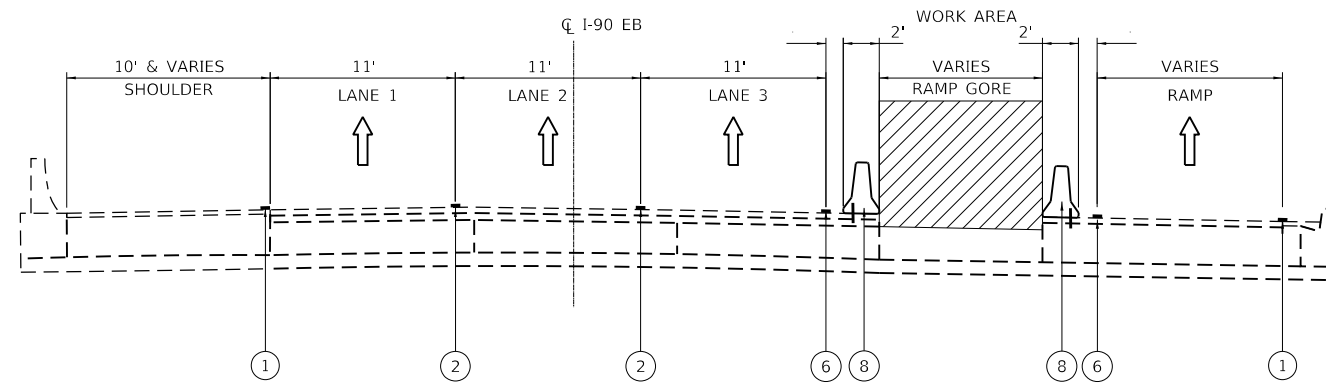
EASTBOUND
(WESTBOUND SYMMETRICAL)



DRAINAGE IMPROVEMENTS AT INSIDE SHOULDER

EASTBOUND
(WESTBOUND SYMMETRICAL)

* AN 8' MINIMUM WORK ZONE SHALL BE PROVIDED BEHIND THE TEMPORARY CONCRETE BARRIER WALL. FOR LOCATIONS WHERE LESS THAN 8' MINIMUM IS PROVIDED, TRAFFIC SHALL BE SHIFTED ONTO THE OUTSIDE SHOULDER AS SHOWN ON THE PLANS. THE EXISTING OUTSIDE SHOULDER RUMBLE STRIPS SHALL BE REMOVED AT THESE LOCATIONS.



DRAINAGE IMPROVEMENTS AT RAMP GORE

EASTBOUND
(WESTBOUND SYMMETRICAL)

LEGEND

① EX. PAVEMENT MARKING

② PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE)

③ PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)

④ PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)

⑤ PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE)

⑥ PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE)

⑦ PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE)

⑧ TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED

⑨ TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C

WORK AREA

PAVEMENT MARKING

TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C, PINNING TEMPORARY CONCRETE BARRIER

TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHTS

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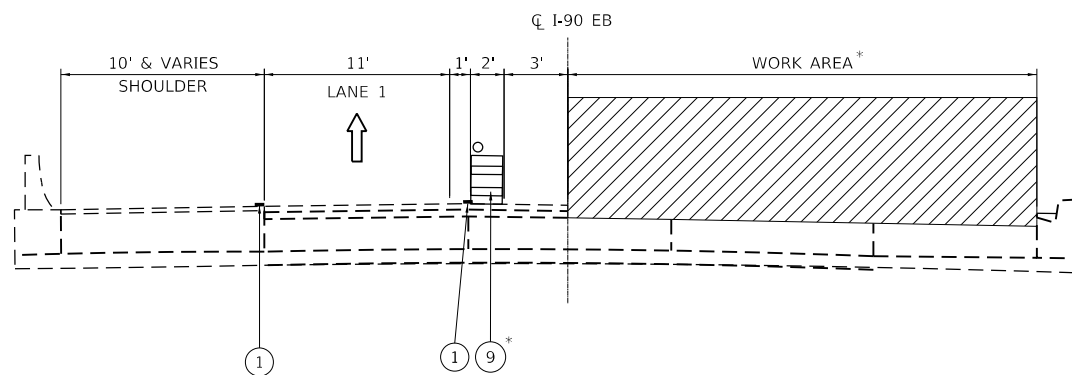
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PLOT DATE = 1/30/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
TYPICAL SECTION**

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

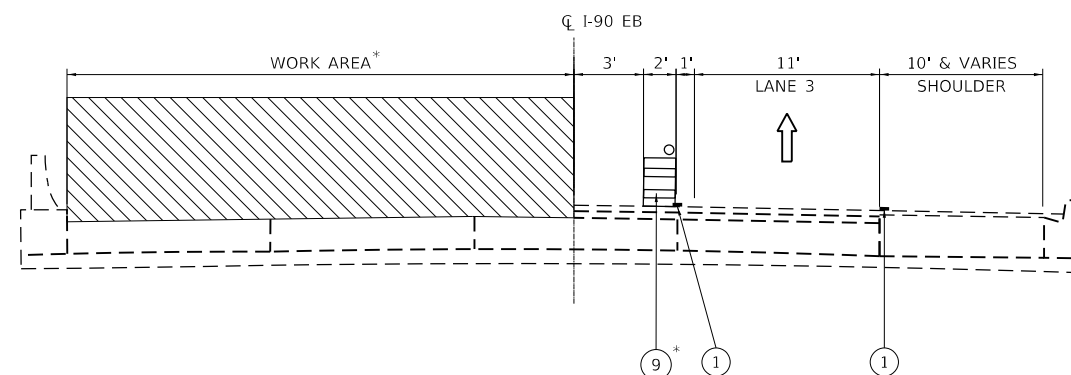
F.A.J RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	36
			CONTRACT NO. 62J59	
		ILLINOIS	FED. AID PROJECT	



DRAINAGE IMPROVEMENTS STAGE 1C

EASTBOUND
(WESTBOUND SYMMETRICAL)

* AT THE END OF EACH NIGHTLY SHIFT ALL TRAFFIC CONTROL DEVICES MUST BE REMOVED AND ALL LANES MUST BE OPENED TO TRAFFIC



DRAINAGE IMPROVEMENTS STAGE 1D

EASTBOUND
(WESTBOUND SYMMETRICAL)

* AT THE END OF EACH NIGHTLY SHIFT ALL TRAFFIC CONTROL DEVICES MUST BE REMOVED AND ALL LANES MUST BE OPENED TO TRAFFIC

LEGEND

- ① EX. PAVEMENT MARKING
- ② PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE)
- ③ PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)
- ④ PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)

- ⑤ PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE)
- ⑥ PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE)
- ⑦ PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE)
- ⑧ TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED
- ⑨ TYPE II DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHTS

- WORK AREA
- PAVEMENT MARKING
- TYPE II DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHTS
- TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHTS

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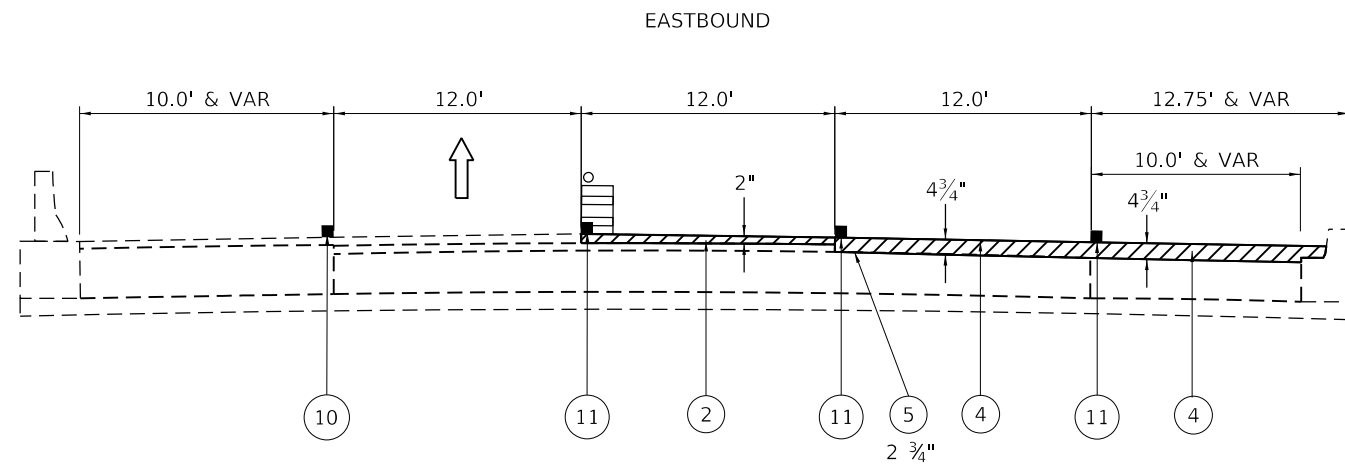
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PLOT DATE = 3/10/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

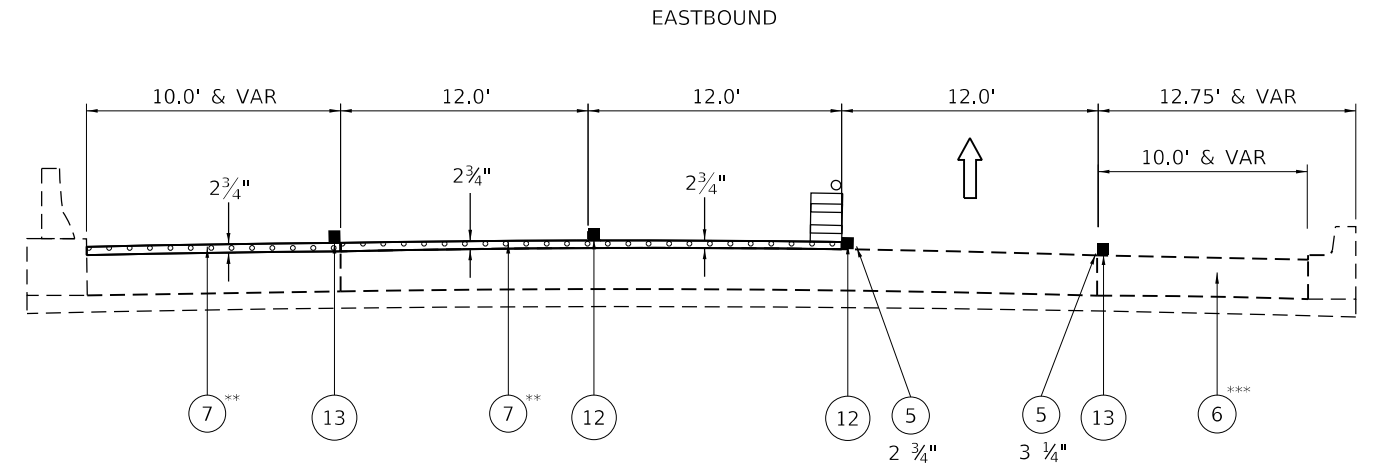
**MAINTENANCE OF TRAFFIC
TYPICAL SECTION**

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

F.A.J RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	37
CONTRACT NO. 62J59			ILLINOIS FED. AID PROJECT	

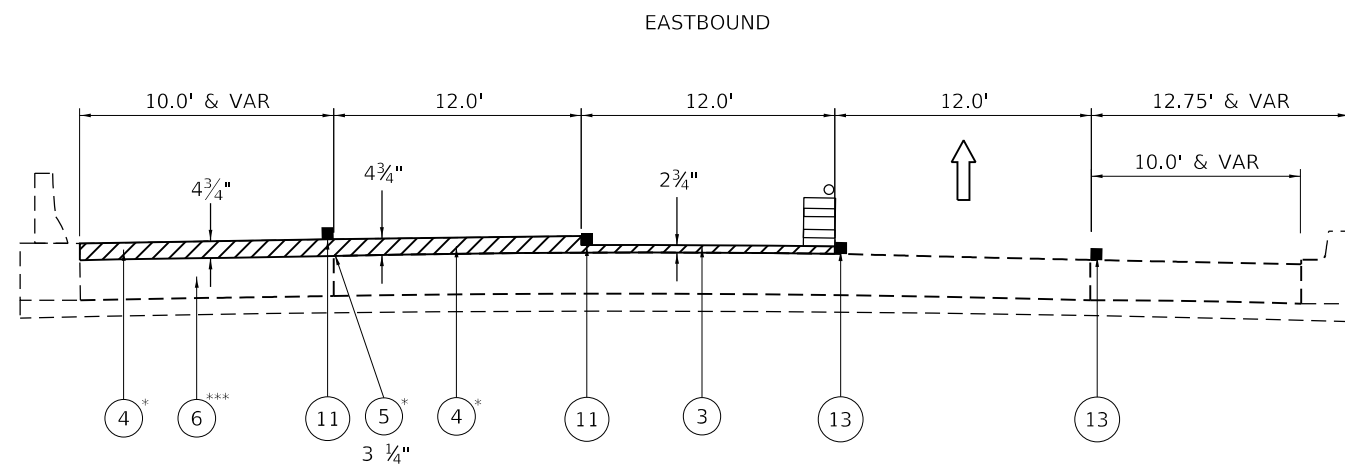


OPERATION 1



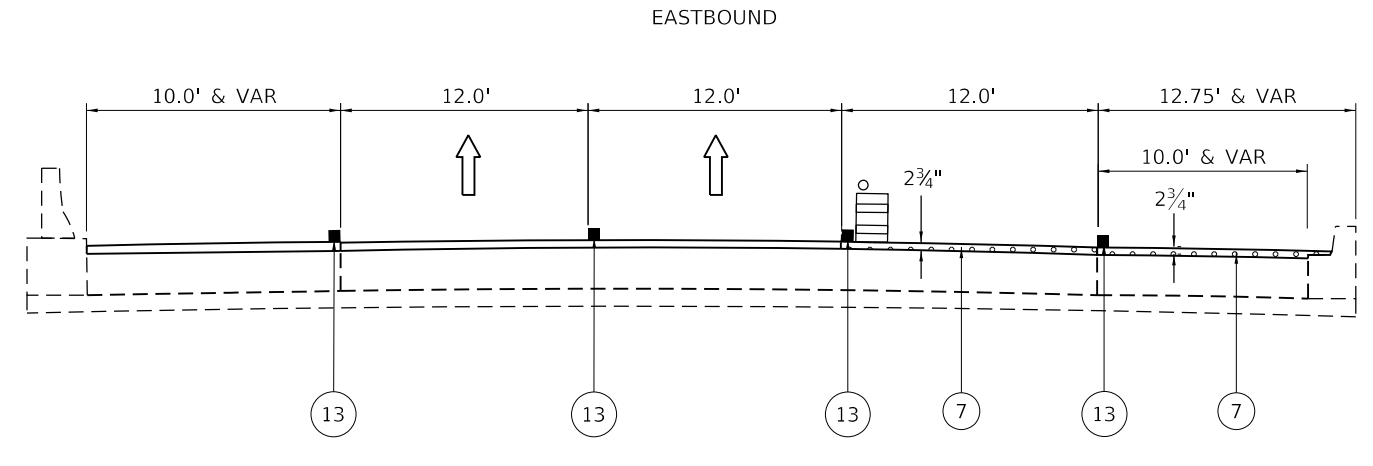
OPERATION 3

** IF PCC SHOULDERS, MILL 2" IN LANE 1 AND PLACE 2 3/4" BINDER DURING SAME SHIFT.
 *** IF PCC SHOULDER



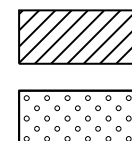
OPERATION 2

* IF PCC SHOULDERS, DO NOT MILL SHOULDER AND MILL 2 3/4" IN LANE 1.
 *** IF PCC SHOULDER

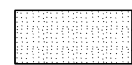


OPERATION 4

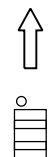
MOT PLAN LEGEND



MILLING
BINDER



SURFACE



DIRECTION OF TRAFFIC FLOW
DRUMS @ 100' O.C.

- ① 1 1/2" MILL
- ② 2" MILL
- ③ 2 3/4" MILL
- ④ 4 3/4" MILL

PAID FOR AS 4400168,
HOT-MIX ASPHALT
SURFACE REMOVAL, 4 3/4"

- ⑤ TEMPORARY WEDGE
- ⑥ DRAINAGE TRENCH
- ⑦ 2 3/4" BINDER
- ⑧ 2" SURFACE

- ⑩ EX. PAVEMENT MARKING
- ⑪ TEMPORARY PAVEMENT MARKING PAINT - MATCH EXISTING WIDTH
- ⑫ PAVEMENT MARKING TAPE TYPE IV - MATCH EXISTING WIDTH
- ⑬ PREVIOUSLY PLACED PAVEMENT MARKINGS
- ⑭ PERMANENT PAVEMENT MARKING

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

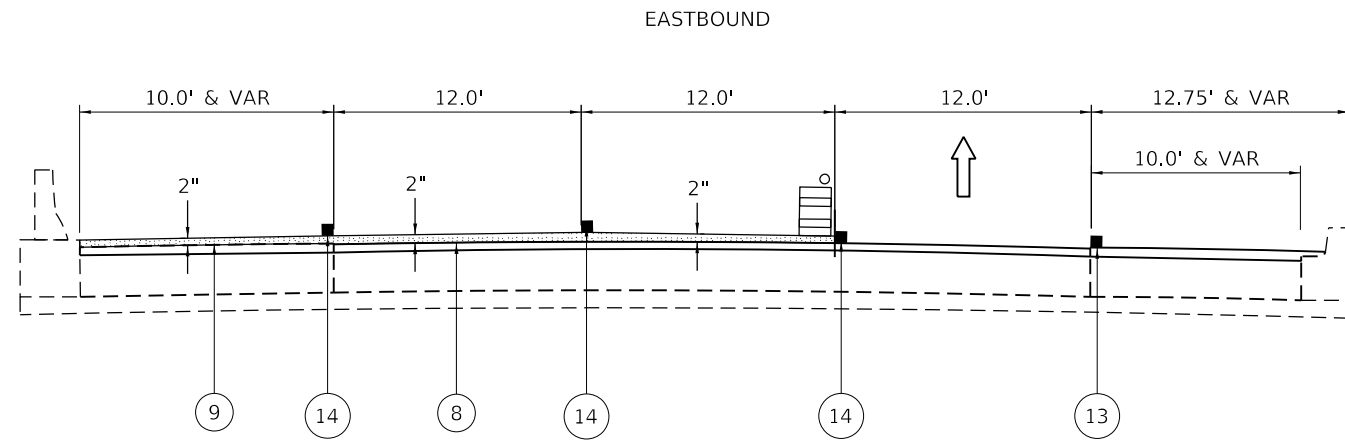
**STAGE 2 - SUGGESTED RESURFACING SEQUENCE
I-90 (IL. RTE. 43 - I-94)**

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

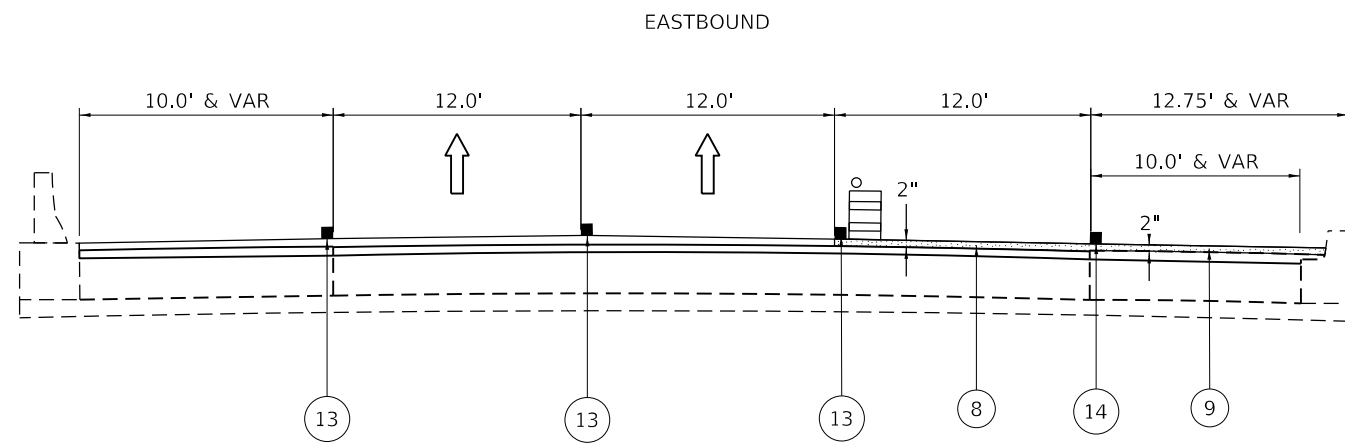
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	38
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

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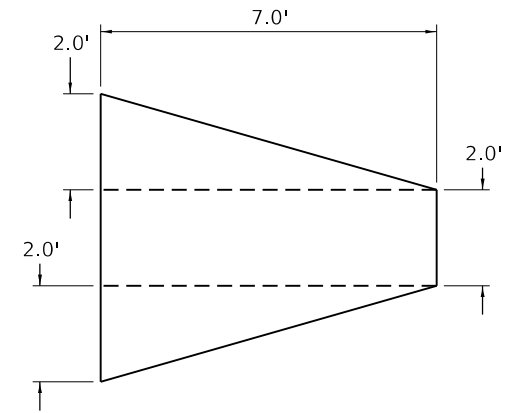
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	DATE - 10/5/19	REVISED -



OPERATION 5



OPERATION 6



DRAINAGE TRENCH DETAIL

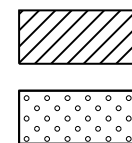
PCC SHOULDER LOCATIONS

NOTES:

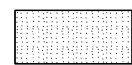
1. DRAINAGE TRENCHES TO BE INSTALLED AT SAGS AND 500' INTERVALS AT LOCATIONS APPROVED BY THE ENGINEER.
2. PRIOR TO MILLING MAINLINE, CUT DRAINAGE TRENCH TO ALLOW WATER TO RUN OFF MAINLINE PAVEMENT (DEPTH VARIES 0" TO 3 1/4"). PAID AS PCC SURFACE REMOVAL 3", Z0038124 (3 SQ. YD EACH LOCATION)
3. AFTER MAINLINE HAS BEEN RESURFACED:
 - A. REMOVE FULL DEPTH PCC SHOULDER IN TRENCH AREA AND PATCH. PAID AS CLASS C PATCHES, TYPE I, 13 INCH, 44201385 (3 SQ. YD EACH LOCATION)

MODEL: D:\p\1\130399.21.DDOT.D1.PBL.187-2006.WO.21.Kennedy_Express\DCM\Design\Prelim\Resurf\resurf-sequence-02.dgn

MOT PLAN LEGEND



MILLING
BINDER



SURFACE



DIRECTION OF TRAFFIC FLOW



DRUMS @ 100' O.C.

- ① 1 1/2" MILL
- ② 2" MILL
- ③ 2 3/4" MILL
- ④ 4 3/4" MILL

PAID FOR AS 4400168,
HOT-MIX ASPHALT
SURFACE REMOVAL, 4 3/4"

- ⑤ TEMPORARY WEDGE
- ⑥ DRAINAGE TRENCH
- ⑦ 2 3/4" BINDER
- ⑧ 2" SURFACE

- ⑩ EX. PAVEMENT MARKING
- ⑪ TEMPORARY PAVEMENT MARKING PAINT - MATCH EXISTING WIDTH
- ⑫ PAVEMENT MARKING TAPE TYPE IV - MATCH EXISTING WIDTH
- ⑬ PREVIOUSLY PLACED PAVEMENT MARKINGS
- ⑭ PERMANENT PAVEMENT MARKING

USER NAME = RGal	DESIGNED - RG	REVISED -
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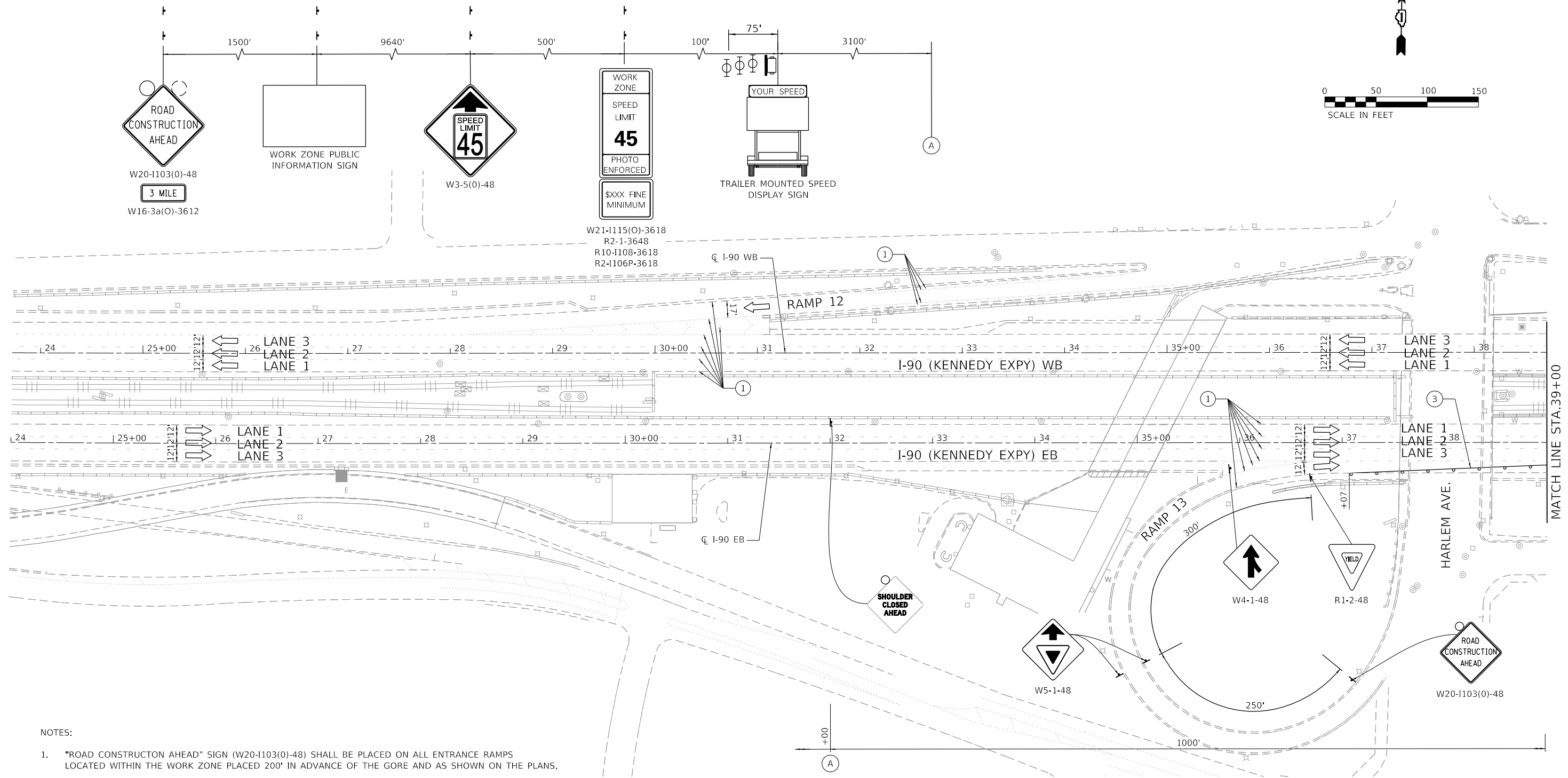
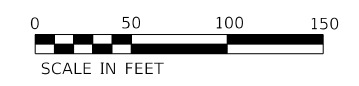
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE 2 - SUGGESTED RESURFACING SEQUENCE
I-90 (IL. RTE. 43 - I-94)**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	39
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

ADVANCED SIGNING DETAIL - I-90 EASTBOUND



NOTES:

- "ROAD CONSTRUCTION AHEAD" SIGN (W20-1103(0)-48) SHALL BE PLACED ON ALL ENTRANCE RAMPS LOCATED WITHIN THE WORK ZONE PLACED 200' IN ADVANCE OF THE GORE AND AS SHOWN ON THE PLANS.
- ALL ENTRANCE AND EXIT RAMPS WITH MEASURED OPENINGS FOR TRAFFIC OF LESS THAN 17'-6" DURING CONSTRUCTION ACTIVITIES SHALL INCLUDE SIGNING FOR VEHICLE WIDTH RESTRICTIONS. SEE STAGING NOTES FOR DETAILS.

LEGEND

- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE III BARRICADE
- IMPACT ATTENUATOR
- DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS
- EX. PAVEMENT MARKING
- PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE)
- TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED

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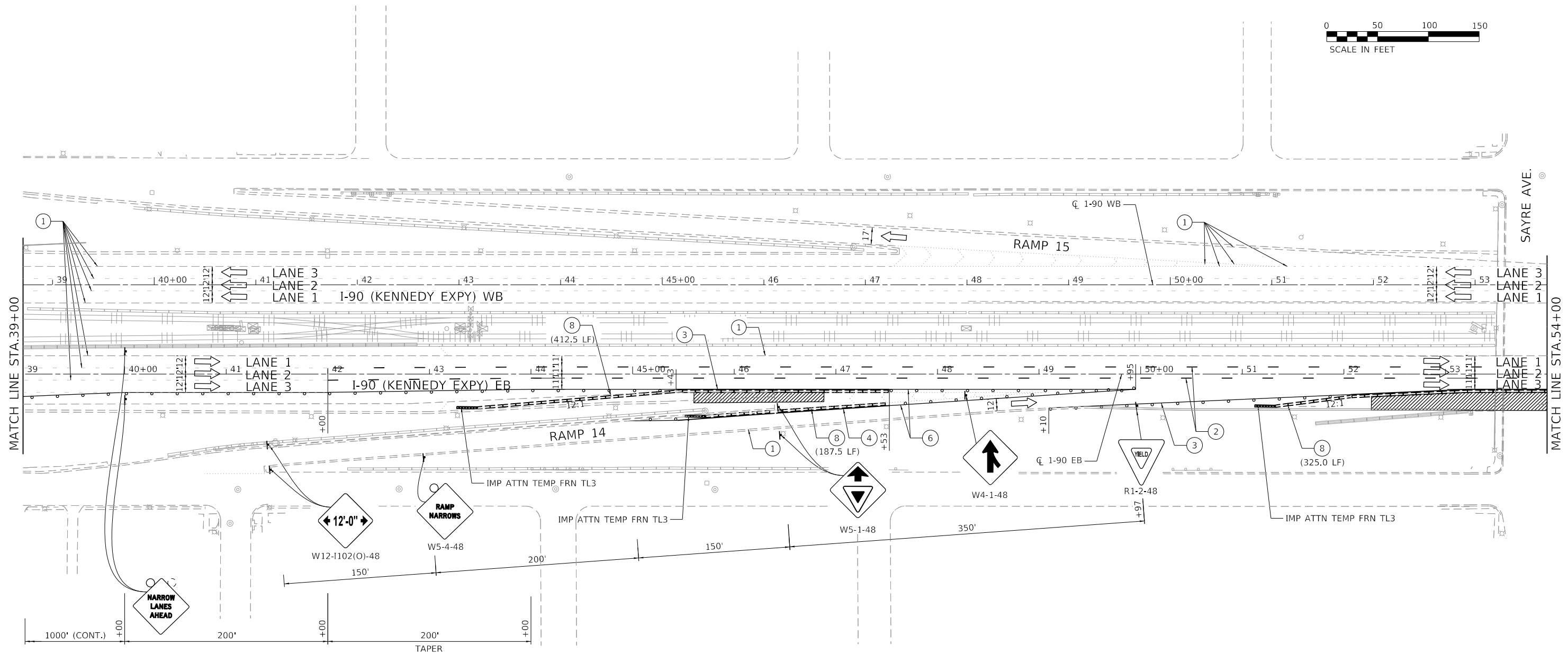
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PLOT DATE = 3/10/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 1A**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	40
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



NOTES:

- "ROAD CONSTRUCTION AHEAD" SIGN (W20-I103(O)-48) SHALL BE PLACED ON ALL ENTRANCE RAMPS LOCATED WITHIN THE WORK ZONE PLACED 200' IN ADVANCE OF THE GORE AND AS SHOWN ON THE PLANS.
- ALL ENTRANCE AND EXIT RAMPS WITH MEASURED OPENINGS FOR TRAFFIC OF LESS THAN 17'-6" DURING CONSTRUCTION ACTIVITIES SHALL INCLUDE SIGNING FOR VEHICLE WIDTH RESTRICTIONS. SEE STAGING NOTES FOR DETAILS.

LEGEND

- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE III BARRICADE
- IMPACT ATTENUATOR
- DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS
- EX. PAVEMENT MARKING
- PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE)
- TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED

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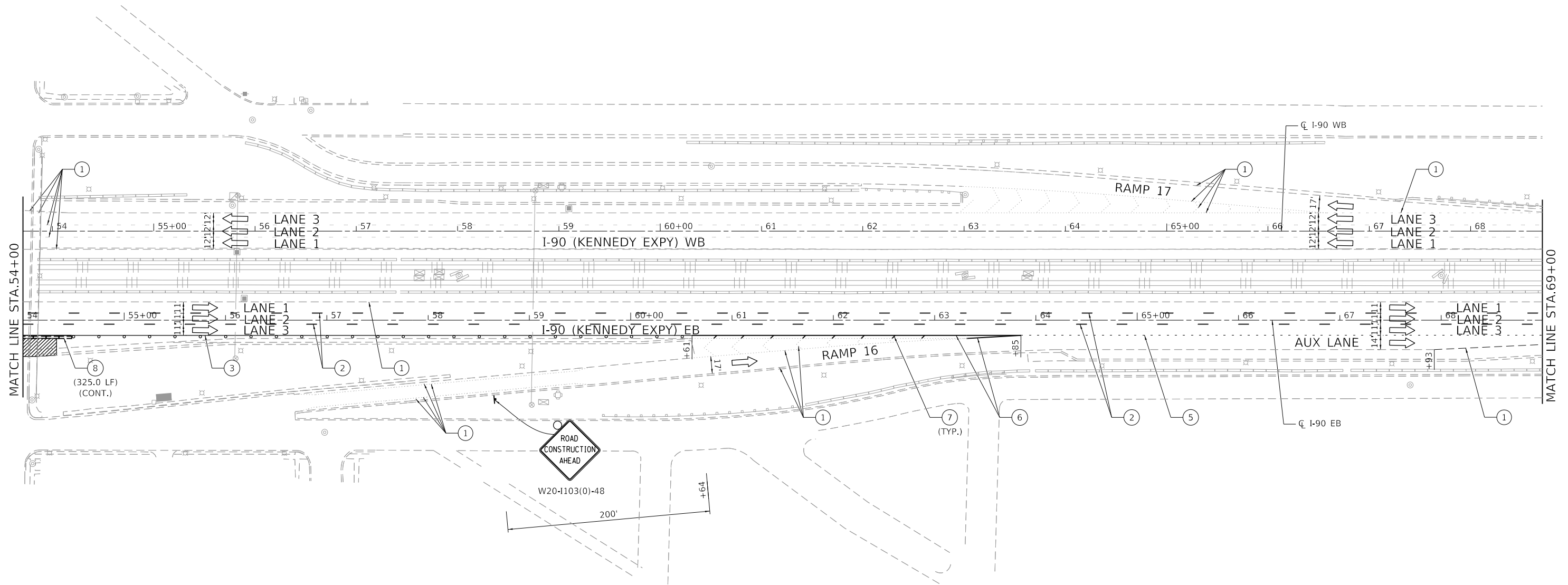
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PLOT DATE = 3/10/2020	DATE - 10/5/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE 1A

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	41
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



NOTES:

- "ROAD CONSTRUCTION AHEAD" SIGN (W20-I103(0)-48) SHALL BE PLACED ON ALL ENTRANCE RAMP LOCATED WITHIN THE WORK ZONE PLACED 200' IN ADVANCE OF THE GORE AND AS SHOWN ON THE PLANS.
- ALL ENTRANCE AND EXIT RAMP WITH MEASURED OPENINGS FOR TRAFFIC OF LESS THAN 17'-6" DURING CONSTRUCTION ACTIVITIES SHALL INCLUDE SIGNING FOR VEHICLE WIDTH RESTRICTIONS. SEE STAGING NOTES FOR DETAILS.

LEGEND

- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE III BARRICADE
- IMPACT ATTENUATOR
- DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS
- EX. PAVEMENT MARKING
- PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE)
- TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED

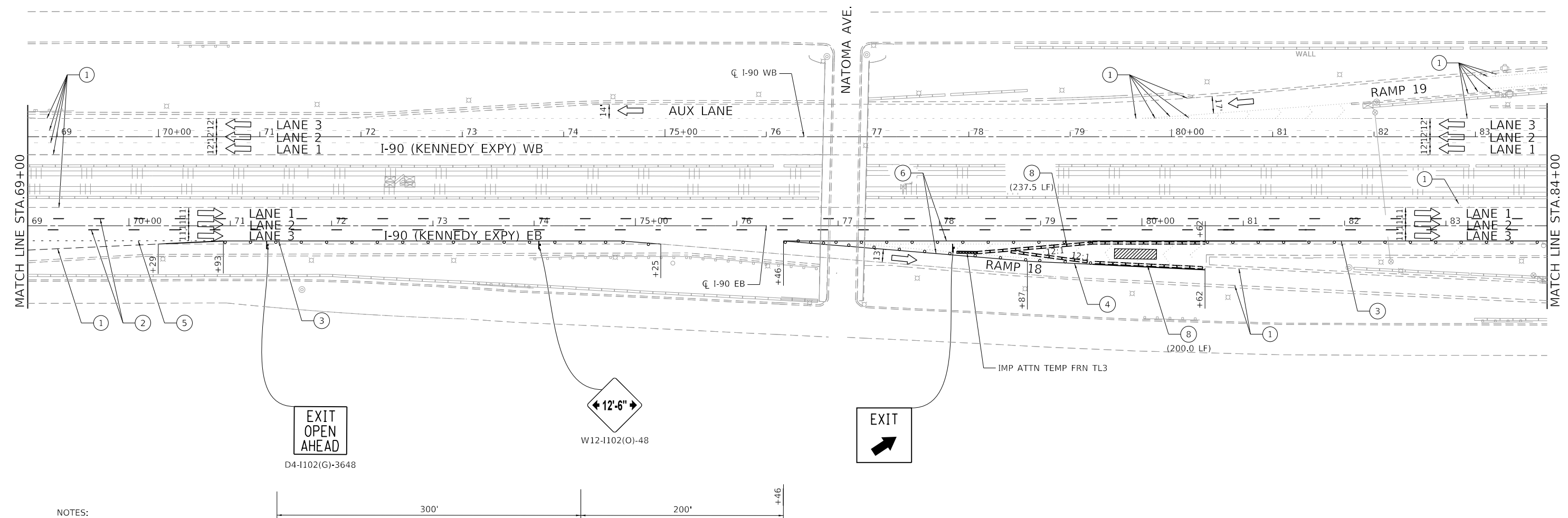
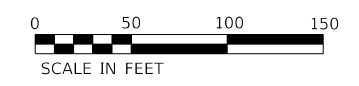
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PLOT DATE = 3/10/2020	CHECKED - JH	REVISED -
	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=50'		SHEET OF SHEETS		STA.	TO STA.
		MAINTENANCE OF TRAFFIC STAGE 1A			

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	42
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



NOTES:

- "ROAD CONSTRUCTION AHEAD" SIGN (W20-1103(O)-48) SHALL BE PLACED ON ALL ENTRANCE RAMPS LOCATED WITHIN THE WORK ZONE PLACED 200' IN ADVANCE OF THE GORE AND AS SHOWN ON THE PLANS.
- ALL ENTRANCE AND EXIT RAMPS WITH MEASURED OPENINGS FOR TRAFFIC OF LESS THAN 17'-6" DURING CONSTRUCTION ACTIVITIES SHALL INCLUDE SIGNING FOR VEHICLE WIDTH RESTRICTIONS. SEE STAGING NOTES FOR DETAILS.

LEGEND

- | | | | |
|---|---|---|--|
| WORK AREA | TYPE III BARRICADE | EX. PAVEMENT MARKING | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE) |
| DIRECTION OF TRAFFIC | IMPACT ATTENUATOR | PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE) |
| TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C | DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE) |
| SIGN ON PORTABLE OR PERMANENT SUPPORT | | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW) | TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED |

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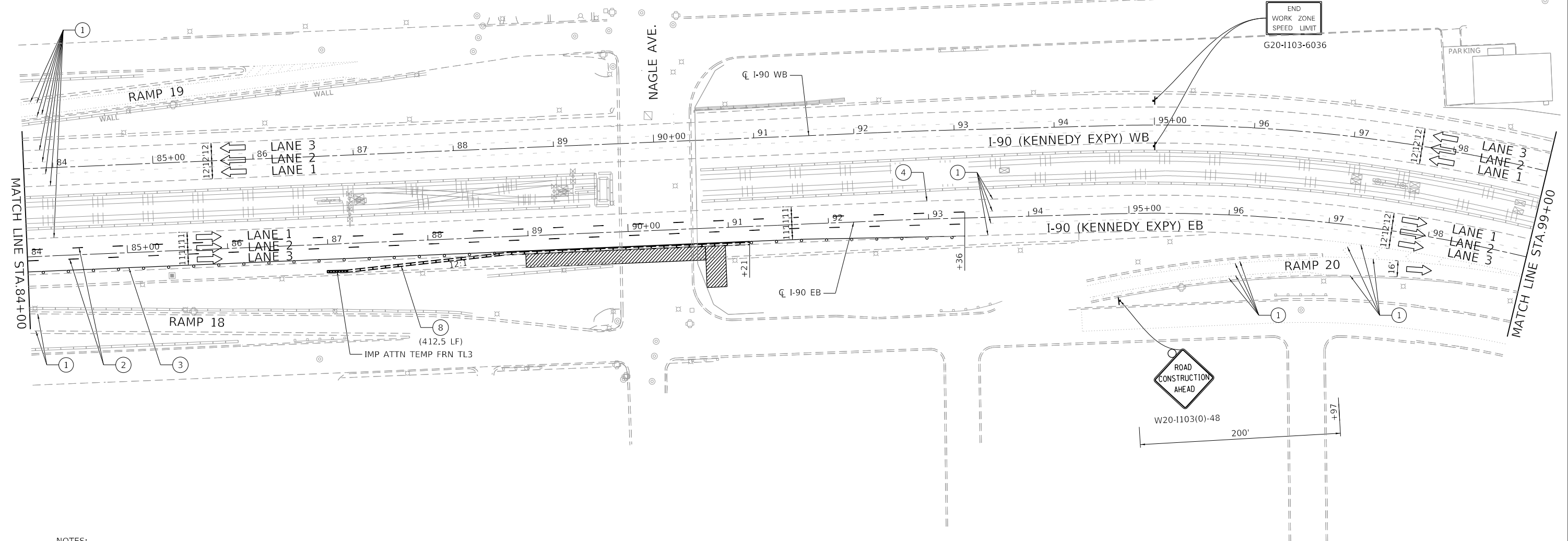
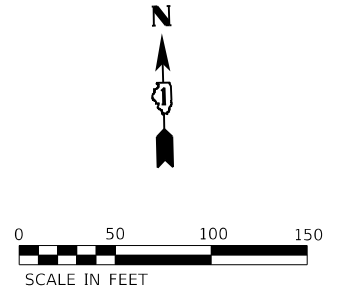
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PLOT DATE = 3/10/2020	DATE - 10/5/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE 1A

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	43
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



NOTES:

- "ROAD CONSTRUCTION AHEAD" SIGN (W20-I103(0)-48) SHALL BE PLACED ON ALL ENTRANCE RAMP LOCATED WITHIN THE WORK ZONE PLACED 200' IN ADVANCE OF THE GORE AND AS SHOWN ON THE PLANS.
- ALL ENTRANCE AND EXIT RAMP WITH MEASURED OPENINGS FOR TRAFFIC OF LESS THAN 17'-6" DURING CONSTRUCTION ACTIVITIES SHALL INCLUDE SIGNING FOR VEHICLE WIDTH RESTRICTIONS. SEE STAGING NOTES FOR DETAILS.

LEGEND

- | | | | |
|---|---|---|--|
| WORK AREA | TYPE III BARRICADE | EX. PAVEMENT MARKING | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE) |
| DIRECTION OF TRAFFIC | IMPACT ATTENUATOR | PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE) |
| TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C | DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE) |
| SIGN ON PORTABLE OR PERMANENT SUPPORT | | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW) | TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED |

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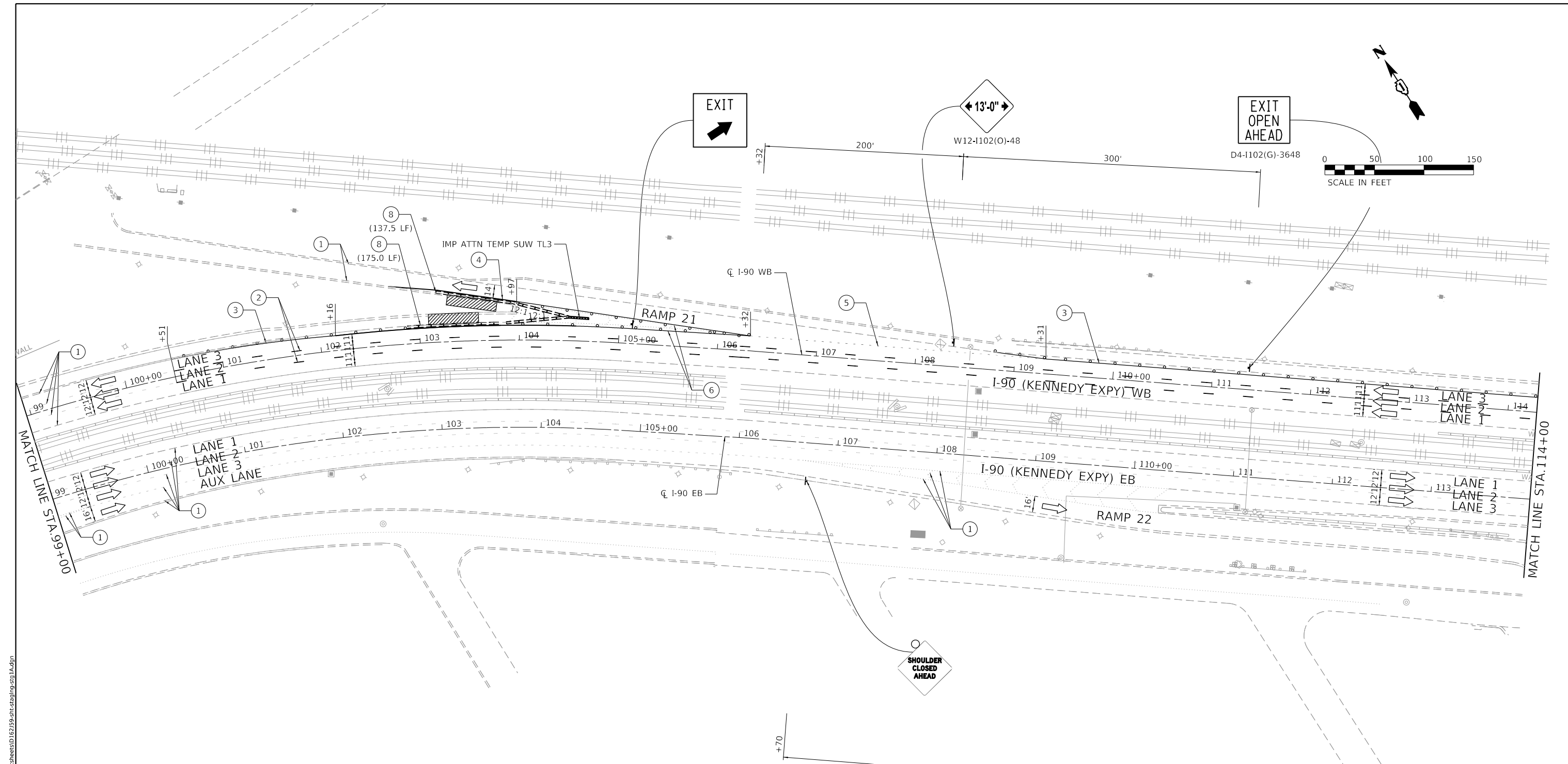
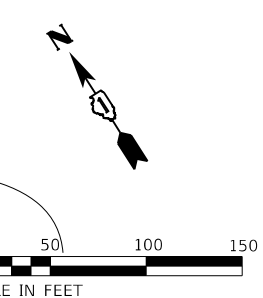
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PLOT DATE = 3/10/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

**MAINTENANCE OF TRAFFIC
STAGE 1A**

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	44
CONTRACT NO. 62159				
ILLINOIS FED. AID PROJECT				



NOTES:

- "ROAD CONSTRUCTION AHEAD" SIGN (W20-I103(O)-48) SHALL BE PLACED ON ALL ENTRANCE RAMP LOCATED WITHIN THE WORK ZONE PLACED 200' IN ADVANCE OF THE GORE AND AS SHOWN ON THE PLANS.
- ALL ENTRANCE AND EXIT RAMP WITH MEASURED OPENINGS FOR TRAFFIC OF LESS THAN 17'-6" DURING CONSTRUCTION ACTIVITIES SHALL INCLUDE SIGNING FOR VEHICLE WIDTH RESTRICTIONS. SEE STAGING NOTES FOR DETAILS.

LEGEND

- | | | | |
|---|---|---|--|
| WORK AREA | TYPE III BARRICADE | EX. PAVEMENT MARKING | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE) |
| DIRECTION OF TRAFFIC | IMPACT ATTENUATOR | PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE) |
| TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C | DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE) |
| SIGN ON PORTABLE OR PERMANENT SUPPORT | | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW) | TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED |

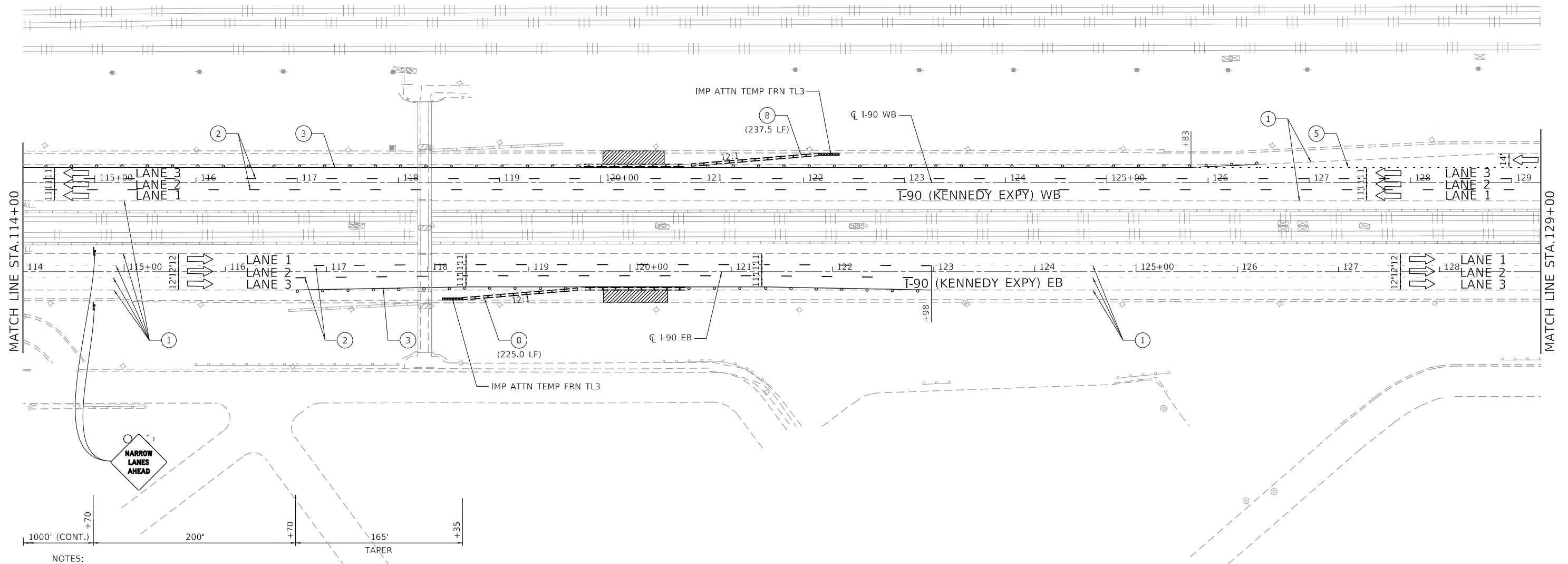
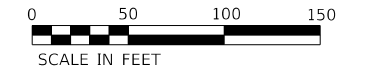
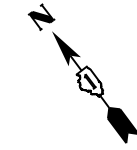
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PLOT DATE = 3/10/2020	CHECKED - JH	REVISED -
	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC STAGE 1A	
SCALE: 1"=50'	SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	45
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



NOTES:

- "ROAD CONSTRUCTION AHEAD" SIGN (W20-I103(0)-48) SHALL BE PLACED ON ALL ENTRANCE RAMP LOCATED WITHIN THE WORK ZONE PLACED 200' IN ADVANCE OF THE GORE AND AS SHOWN ON THE PLANS.
- ALL ENTRANCE AND EXIT RAMP WITH MEASURED OPENINGS FOR TRAFFIC OF LESS THAN 17'-6" DURING CONSTRUCTION ACTIVITIES SHALL INCLUDE SIGNING FOR VEHICLE WIDTH RESTRICTIONS. SEE STAGING NOTES FOR DETAILS.

LEGEND

- | | | | |
|---|---|---|--|
| WORK AREA | TYPE III BARRICADE | EX. PAVEMENT MARKING | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE) |
| DIRECTION OF TRAFFIC | IMPACT ATTENUATOR | PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE) |
| TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C | DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE) |
| SIGN ON PORTABLE OR PERMANENT SUPPORT | | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW) | TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED |

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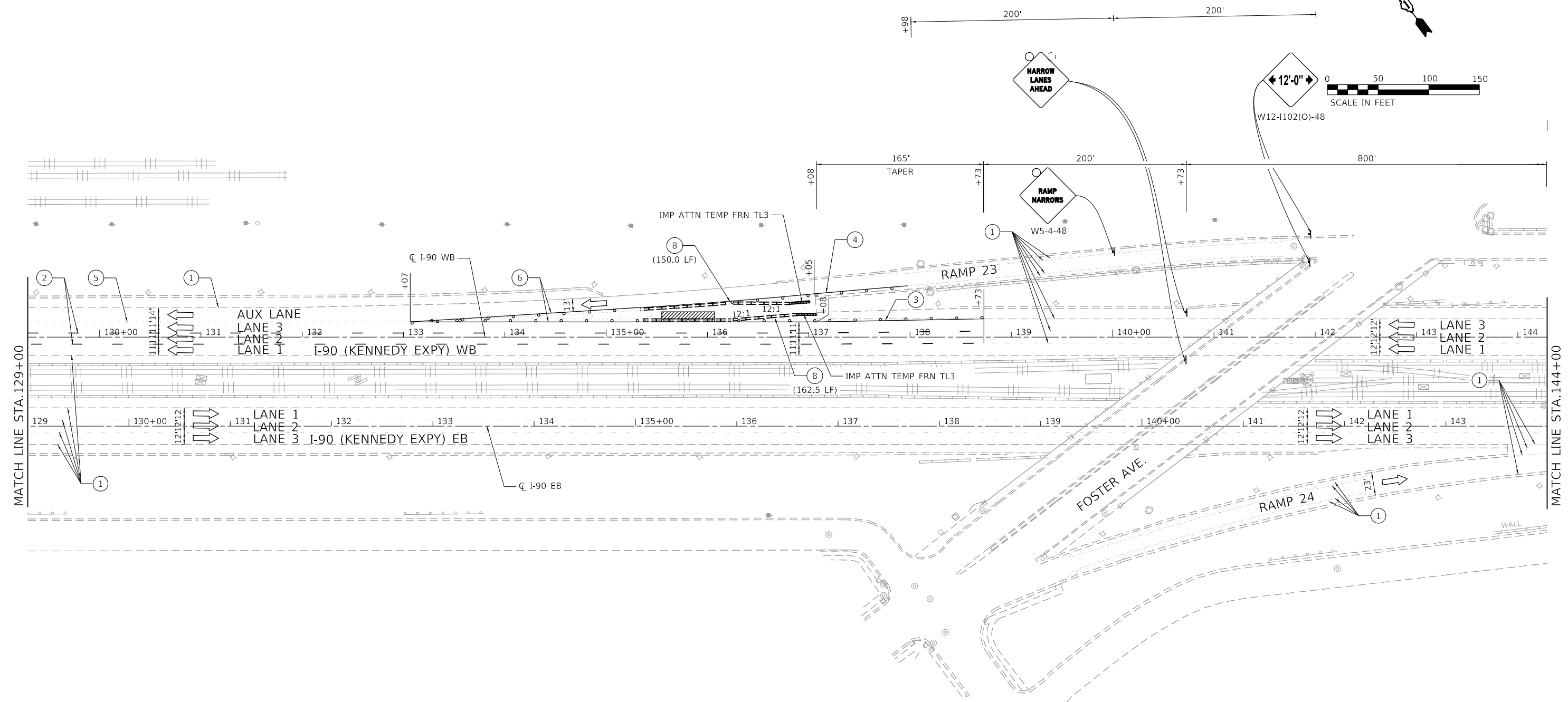
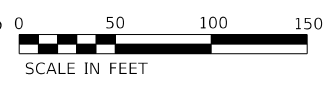
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	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 1A**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	46
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



NOTES:

- "ROAD CONSTRUCTION AHEAD" SIGN (W20-1103(O)-48) SHALL BE PLACED ON ALL ENTRANCE RAMPS LOCATED WITHIN THE WORK ZONE PLACED 200' IN ADVANCE OF THE GORE AND AS SHOWN ON THE PLANS.
- ALL ENTRANCE AND EXIT RAMPS WITH MEASURED OPENINGS FOR TRAFFIC OF LESS THAN 17'-6" DURING CONSTRUCTION ACTIVITIES SHALL INCLUDE SIGNING FOR VEHICLE WIDTH RESTRICTIONS. SEE STAGING NOTES FOR DETAILS.

LEGEND

- | | | | |
|---|---|---|--|
| WORK AREA | TYPE III BARRICADE | EX. PAVEMENT MARKING | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE) |
| DIRECTION OF TRAFFIC | IMPACT ATTENUATOR | PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE) |
| TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C | DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE) |
| SIGN ON PORTABLE OR PERMANENT SUPPORT | | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW) | TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED |

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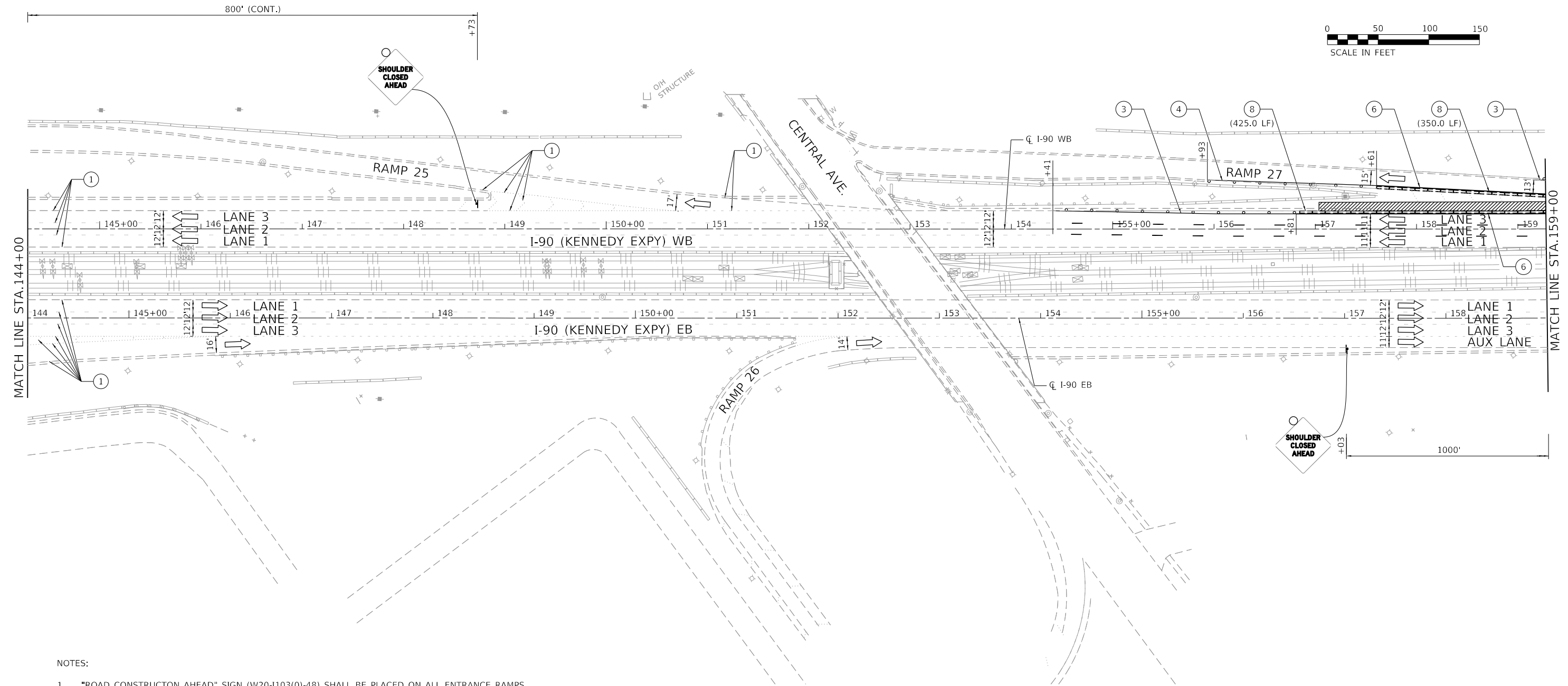
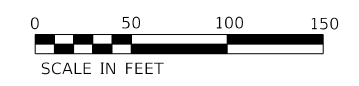
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	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 1A**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	47
				CONTRACT NO. 62J59
ILLINOIS FED. AID PROJECT				



NOTES:

- "ROAD CONSTRUCTION AHEAD" SIGN (W20-I103(0)-48) SHALL BE PLACED ON ALL ENTRANCE RAMPS LOCATED WITHIN THE WORK ZONE PLACED 200' IN ADVANCE OF THE GORE AND AS SHOWN ON THE PLANS.
- ALL ENTRANCE AND EXIT RAMPS WITH MEASURED OPENINGS FOR TRAFFIC OF LESS THAN 17'-6" DURING CONSTRUCTION ACTIVITIES SHALL INCLUDE SIGNING FOR VEHICLE WIDTH RESTRICTIONS. SEE STAGING NOTES FOR DETAILS.

LEGEND

- | | | | |
|---|---|---|--|
| WORK AREA | TYPE III BARRICADE | EX. PAVEMENT MARKING | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE) |
| DIRECTION OF TRAFFIC | IMPACT ATTENUATOR | PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE) |
| TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C | DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE) |
| SIGN ON PORTABLE OR PERMANENT SUPPORT | | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW) | TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED |

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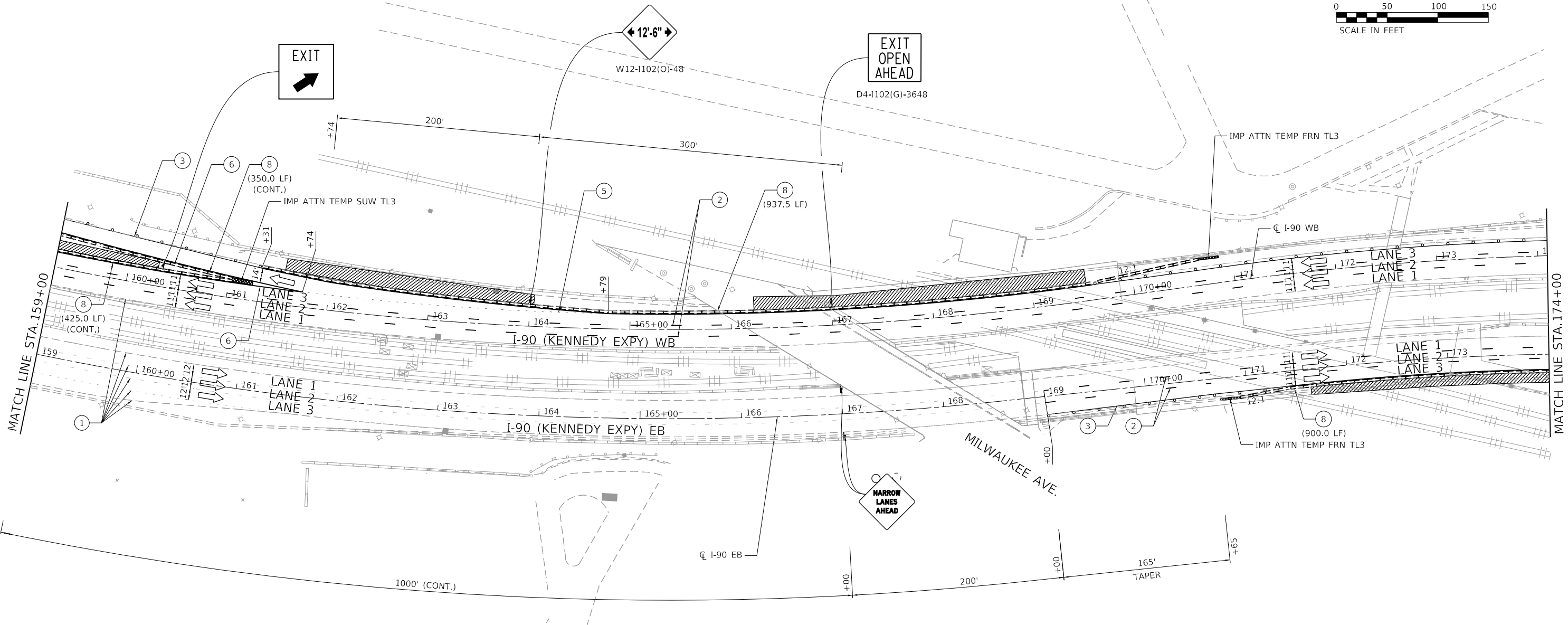
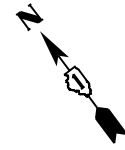
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PLOT DATE = 3/10/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 1A**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	48
CONTRACT NO. 62J59				
		ILLINOIS	FED. AID PROJECT	



NOTES:

- "ROAD CONSTRUCTION AHEAD" SIGN (W20-I103(0)-48) SHALL BE PLACED ON ALL ENTRANCE RAMPS LOCATED WITHIN THE WORK ZONE PLACED 200' IN ADVANCE OF THE GORE AND AS SHOWN ON THE PLANS.
- ALL ENTRANCE AND EXIT RAMPS WITH MEASURED OPENINGS FOR TRAFFIC OF LESS THAN 17'-6" DURING CONSTRUCTION ACTIVITIES SHALL INCLUDE SIGNING FOR VEHICLE WIDTH RESTRICTIONS. SEE STAGING NOTES FOR DETAILS.

LEGEND

- | | | | |
|---|---|---|--|
| WORK AREA | TYPE III BARRICADE | EX. PAVEMENT MARKING | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE) |
| DIRECTION OF TRAFFIC | IMPACT ATTENUATOR | PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE) |
| TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C | DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE) |
| SIGN ON PORTABLE OR PERMANENT SUPPORT | | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW) | TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED |

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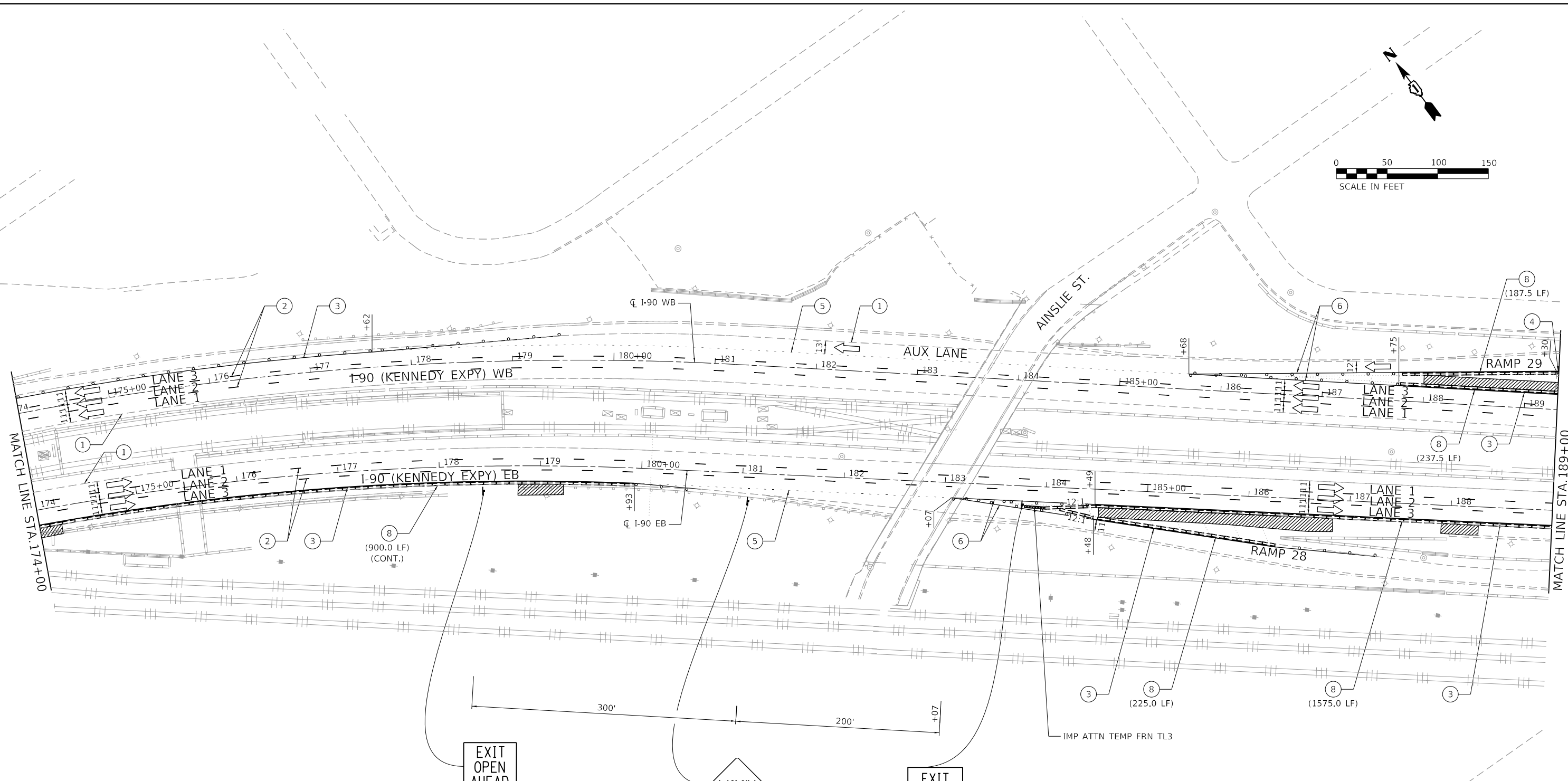
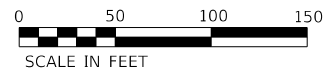
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 1A**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	49
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



NOTES:

- "ROAD CONSTRUCTION AHEAD" SIGN (W20-I103(O)-48) SHALL BE PLACED ON ALL ENTRANCE RAMP LOCATED WITHIN THE WORK ZONE PLACED 200' IN ADVANCE OF THE GORE AND AS SHOWN ON THE PLANS.
- ALL ENTRANCE AND EXIT RAMP WITH MEASURED OPENINGS FOR TRAFFIC OF LESS THAN 17'-6" DURING CONSTRUCTION ACTIVITIES SHALL INCLUDE SIGNING FOR VEHICLE WIDTH RESTRICTIONS. SEE STAGING NOTES FOR DETAILS.

LEGEND

- | | | | |
|---|---|---|--|
| WORK AREA | TYPE III BARRICADE | EX. PAVEMENT MARKING | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE) |
| DIRECTION OF TRAFFIC | IMPACT ATTENUATOR | PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE) |
| TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C | DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE) |
| SIGN ON PORTABLE OR PERMANENT SUPPORT | | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW) | TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED |

EXIT
OPEN
AHEAD

← 10'-6" →

EXIT
↗

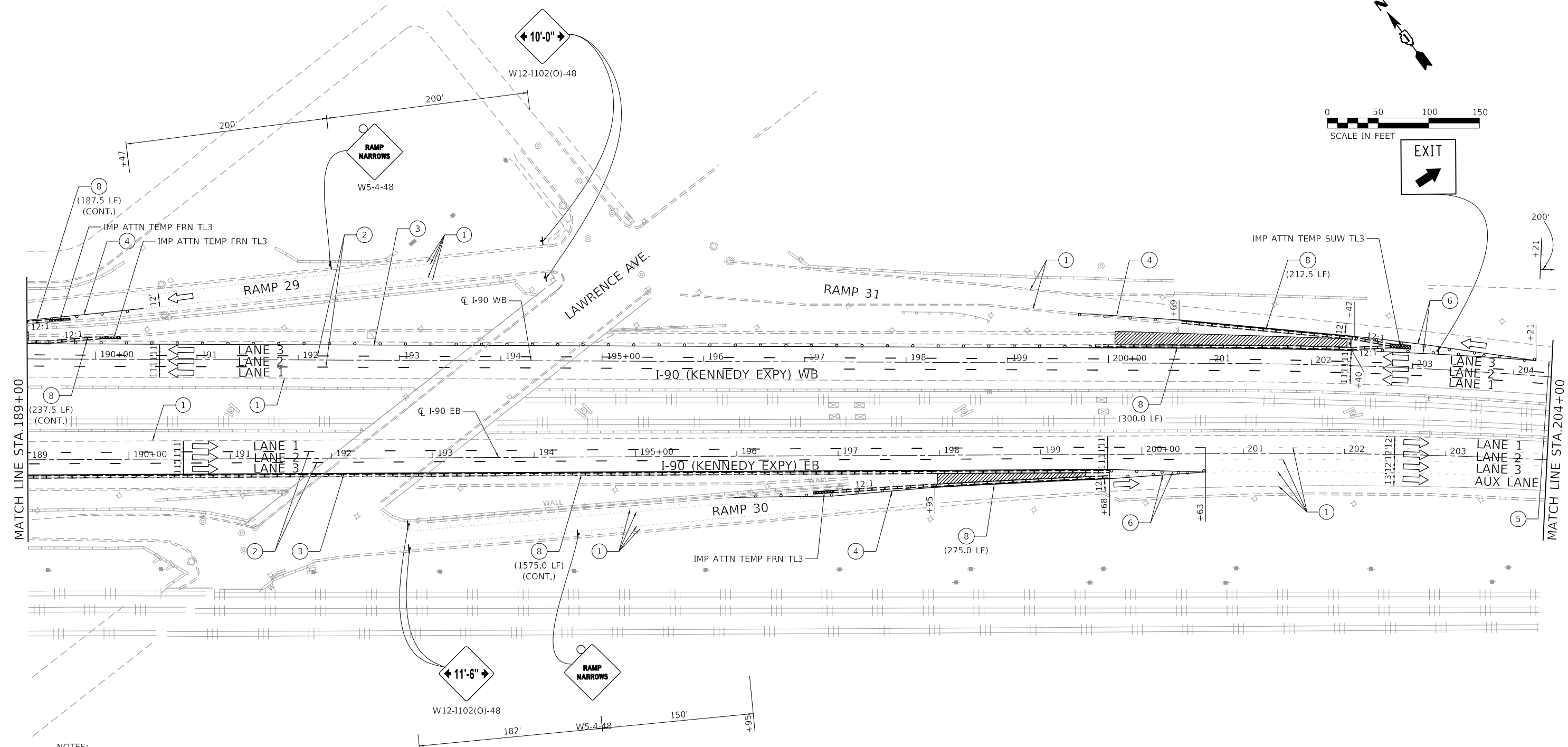
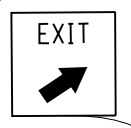
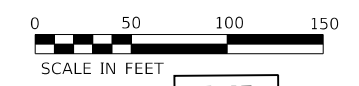
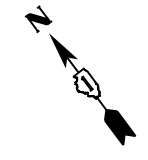
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PLOT DATE = 3/10/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC STAGE 1A	
SCALE: 1"=50'	SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	50
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



NOTES:

- "ROAD CONSTRUCTION AHEAD" SIGN (W20-I103(O)-48) SHALL BE PLACED ON ALL ENTRANCE RAMP LOCATED WITHIN THE WORK ZONE PLACED 200' IN ADVANCE OF THE GORE AND AS SHOWN ON THE PLANS.
- ALL ENTRANCE AND EXIT RAMP WITH MEASURED OPENINGS FOR TRAFFIC OF LESS THAN 17'-6" DURING CONSTRUCTION ACTIVITIES SHALL INCLUDE SIGNING FOR VEHICLE WIDTH RESTRICTIONS. SEE STAGING NOTES FOR DETAILS.

LEGEND

- | | | | |
|---|---|---|--|
| WORK AREA | TYPE III BARRICADE | EX. PAVEMENT MARKING | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE) |
| DIRECTION OF TRAFFIC | IMPACT ATTENUATOR | PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE) |
| TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C | DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE) |
| SIGN ON PORTABLE OR PERMANENT SUPPORT | | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW) | TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED |

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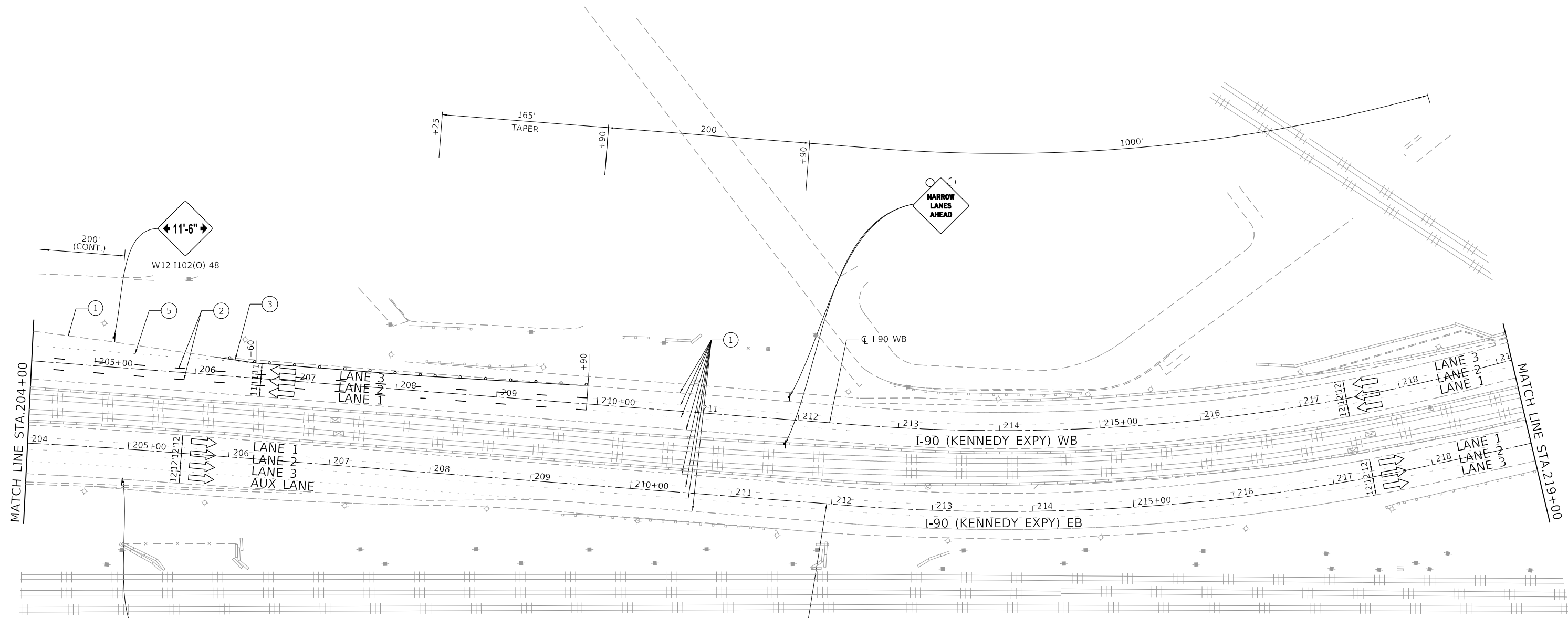
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 1A**

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

F.A.J RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	51
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

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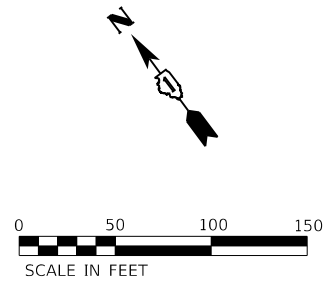
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G20-I103-6036

NOTES:

- "ROAD CONSTRUCTION AHEAD" SIGN (W20-I103(0)-48) SHALL BE PLACED ON ALL ENTRANCE RAMP LOCATED WITHIN THE WORK ZONE PLACED 200' IN ADVANCE OF THE GORE AND AS SHOWN ON THE PLANS.
- ALL ENTRANCE AND EXIT RAMP WITH MEASURED OPENINGS FOR TRAFFIC OF LESS THAN 17'-6" DURING CONSTRUCTION ACTIVITIES SHALL INCLUDE SIGNING FOR VEHICLE WIDTH RESTRICTIONS. SEE STAGING NOTES FOR DETAILS.

LEGEND

- | | | | |
|---|---|---|--|
| WORK AREA | TYPE III BARRICADE | EX. PAVEMENT MARKING | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE) |
| DIRECTION OF TRAFFIC | IMPACT ATTENUATOR | PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE) |
| TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C | DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE) |
| SIGN ON PORTABLE OR PERMANENT SUPPORT | | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW) | TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED |



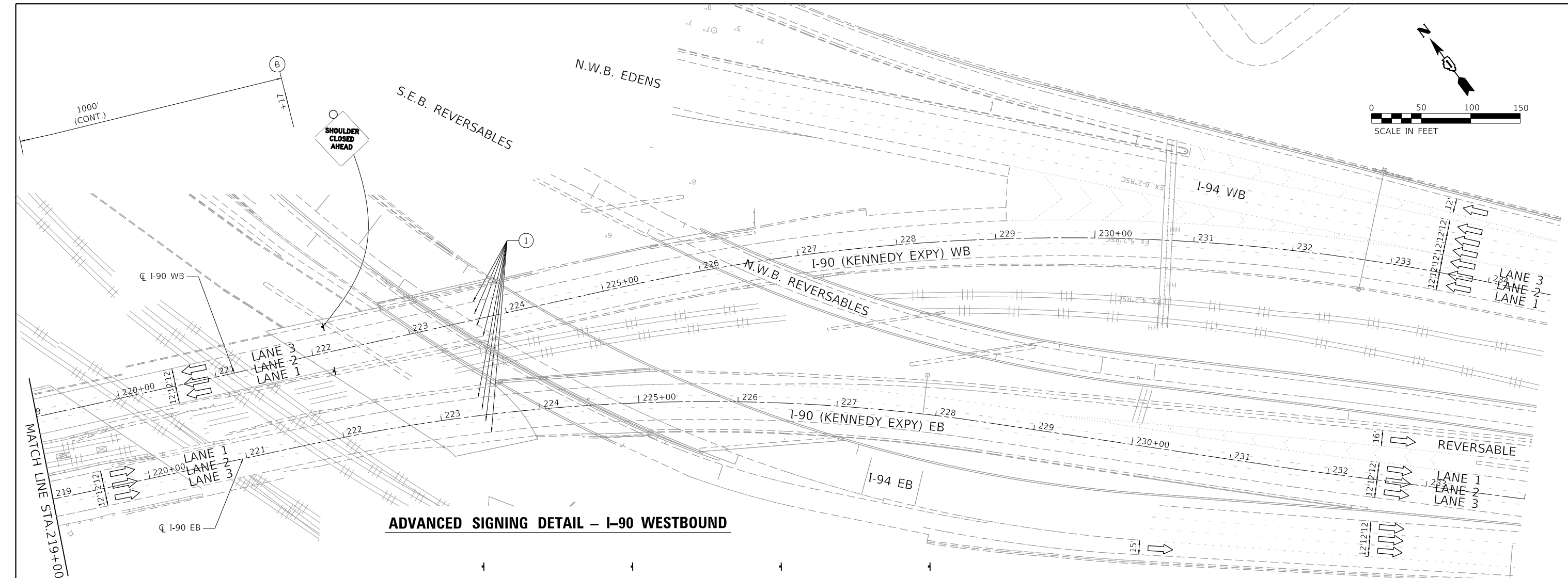
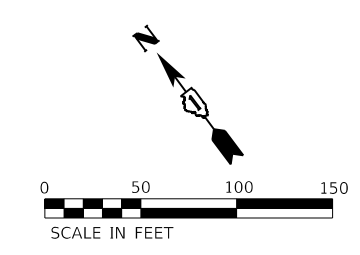
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DRAWN - CS/JB	REVISOR -	
PLOT SCALE = 100.0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 3/10/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

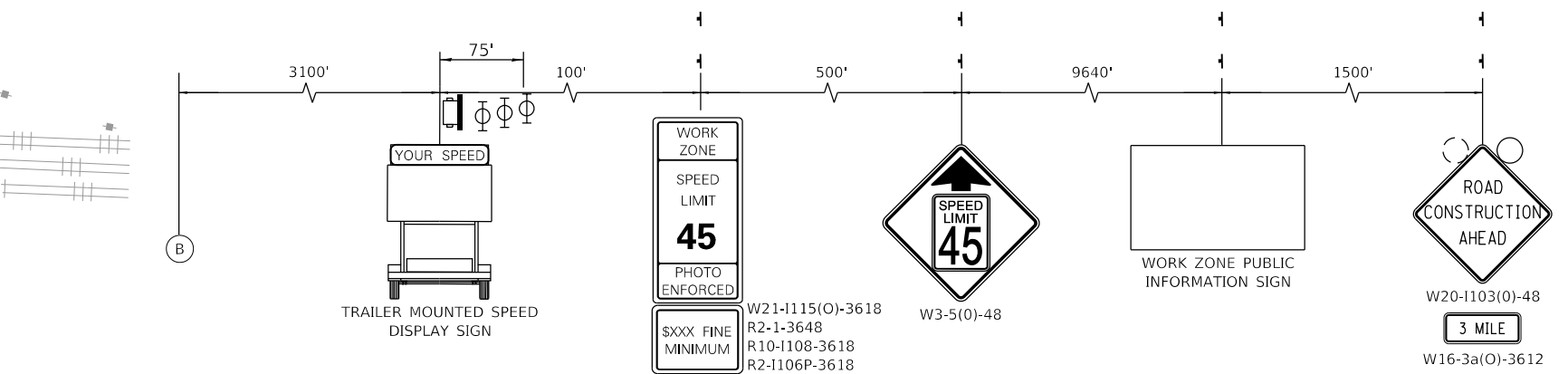
**MAINTENANCE OF TRAFFIC
STAGE 1A**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	52
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



ADVANCED SIGNING DETAIL - I-90 WESTBOUND



NOTES:

- "ROAD CONSTRUCTION AHEAD" SIGN (W20-1103(0)-48) SHALL BE PLACED ON ALL ENTRANCE RAMP LOCATED WITHIN THE WORK ZONE PLACED 200' IN ADVANCE OF THE GORE AND AS SHOWN ON THE PLANS.
- ALL ENTRANCE AND EXIT RAMP WITH MEASURED OPENINGS FOR TRAFFIC OF LESS THAN 17'-6" DURING CONSTRUCTION ACTIVITIES SHALL INCLUDE SIGNING FOR VEHICLE WIDTH RESTRICTIONS. SEE STAGING NOTES FOR DETAILS.

LEGEND

- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE III BARRICADE
- IMPACT ATTENUATOR
- DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS
- EX. PAVEMENT MARKING
- PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE)
- TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED

MODEL: D:\p12... FILE NAME: 21130399.21.DDOT D1.PFB 187.006.WO 21.Kennedy_Express\DCM\Design\Prelim\Posheets\0162159-shr-staging-ssg1a.dgn

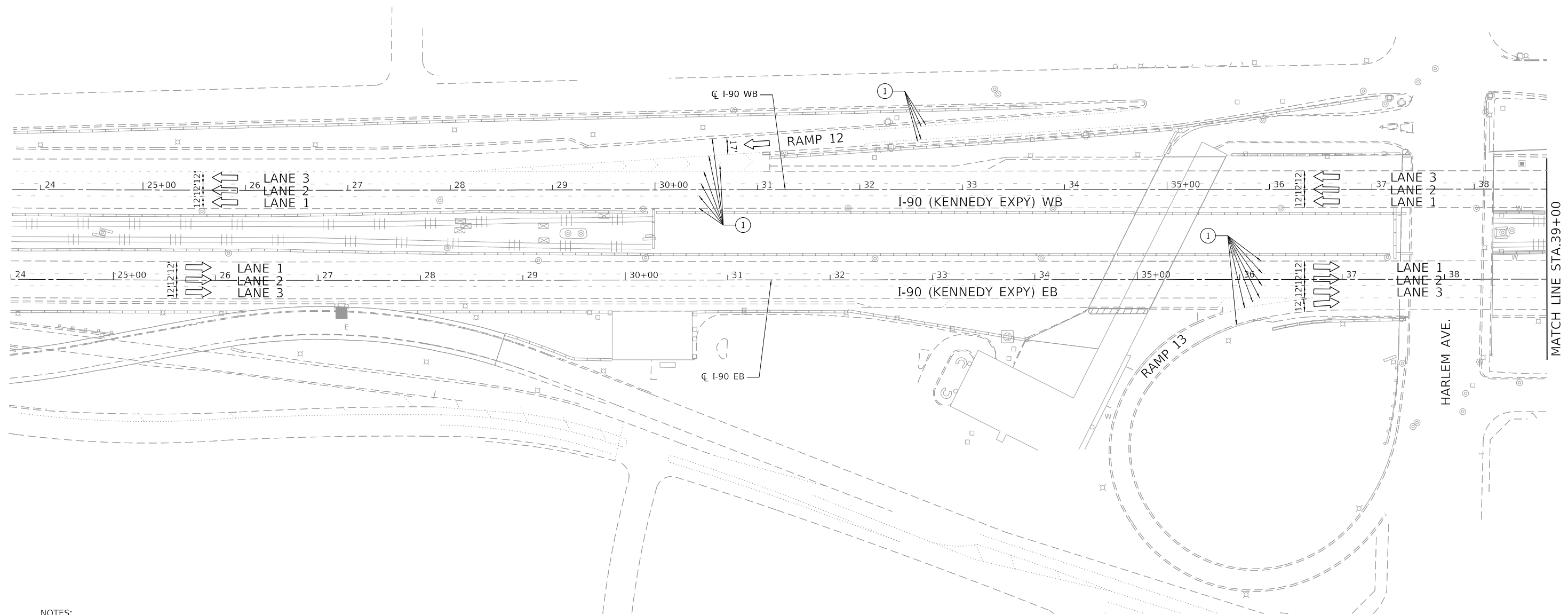
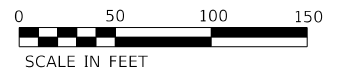
USER NAME = JBerggren	DESIGNED - RG	REVISED -
DRAWN - CS/JB	REVISOR -	
PLOT SCALE = 100.0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 3/10/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 1A**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	53
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



NOTES:

- "ROAD CONSTRUCTION AHEAD" SIGN (W20-1103(0)-48) SHALL BE PLACED ON ALL ENTRANCE RAMPS WITHIN THE WORK ZONE PLACED 200' IN ADVANCE OF THE GORE AND AS SHOWN ON THE PLANS.

LEGEND

- | | | | |
|---|---|---|--|
| WORK AREA | TYPE III BARRICADE | EX. PAVEMENT MARKING | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE) |
| DIRECTION OF TRAFFIC | IMPACT ATTENUATOR | PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE) |
| TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C | DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE) |
| SIGN ON PORTABLE OR PERMANENT SUPPORT | | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW) | TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED |

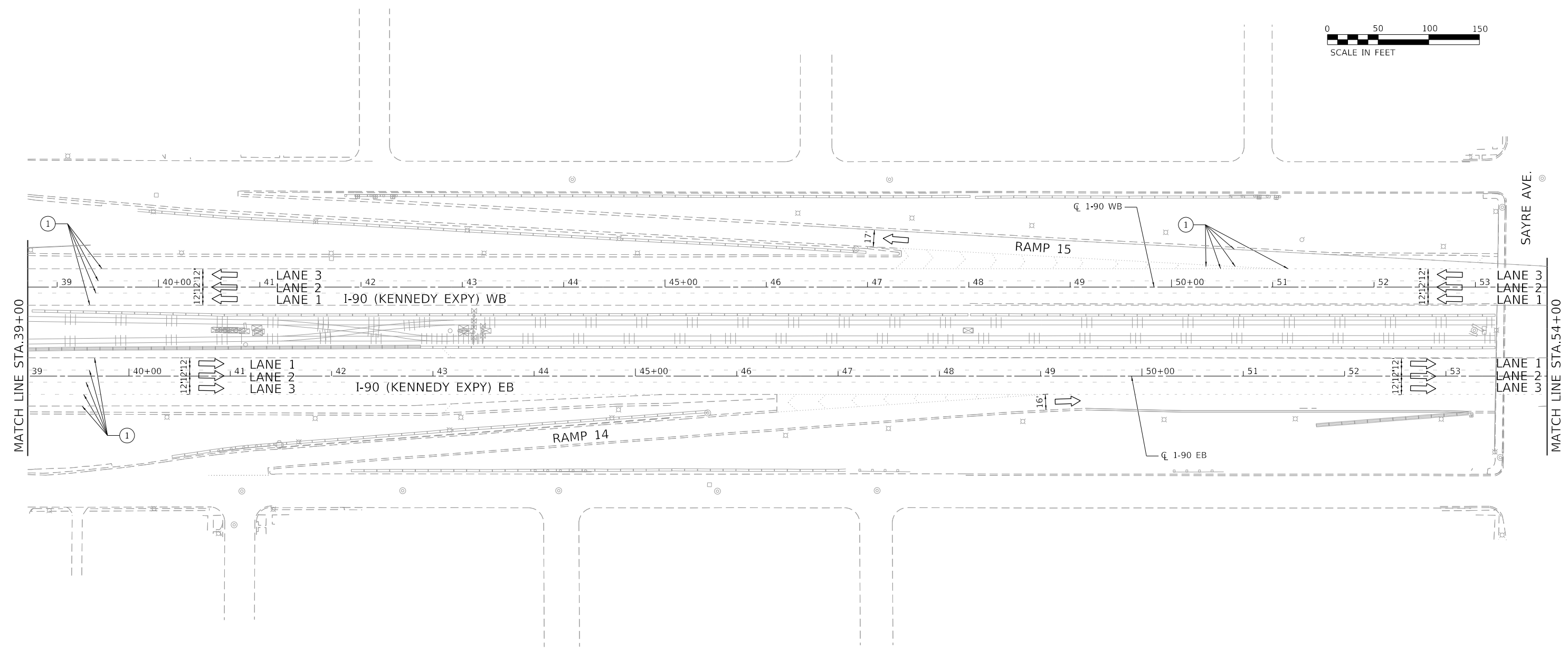
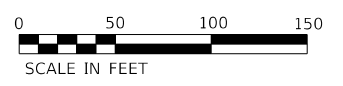
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USER NAME = RGall	DESIGNED - RG	REVISED -
DRAWN - CS/JB	REVISOR -	
PLOT SCALE = 100.0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 1/30/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC STAGE 1B			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	54
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



NOTES:

- "ROAD CONSTRUCTION AHEAD" SIGN (W20-1103(0)-48) SHALL BE PLACED ON ALL ENTRANCE RAMPS WITHIN THE WORK ZONE PLACED 200' IN ADVANCE OF THE GORE AND AS SHOWN ON THE PLANS.

LEGEND

- | | | | |
|---|---|---|--|
| WORK AREA | TYPE III BARRICADE | EX. PAVEMENT MARKING | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE) |
| DIRECTION OF TRAFFIC | IMPACT ATTENUATOR | PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE) |
| TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C | DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE) |
| SIGN ON PORTABLE OR PERMANENT SUPPORT | | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW) | TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED |

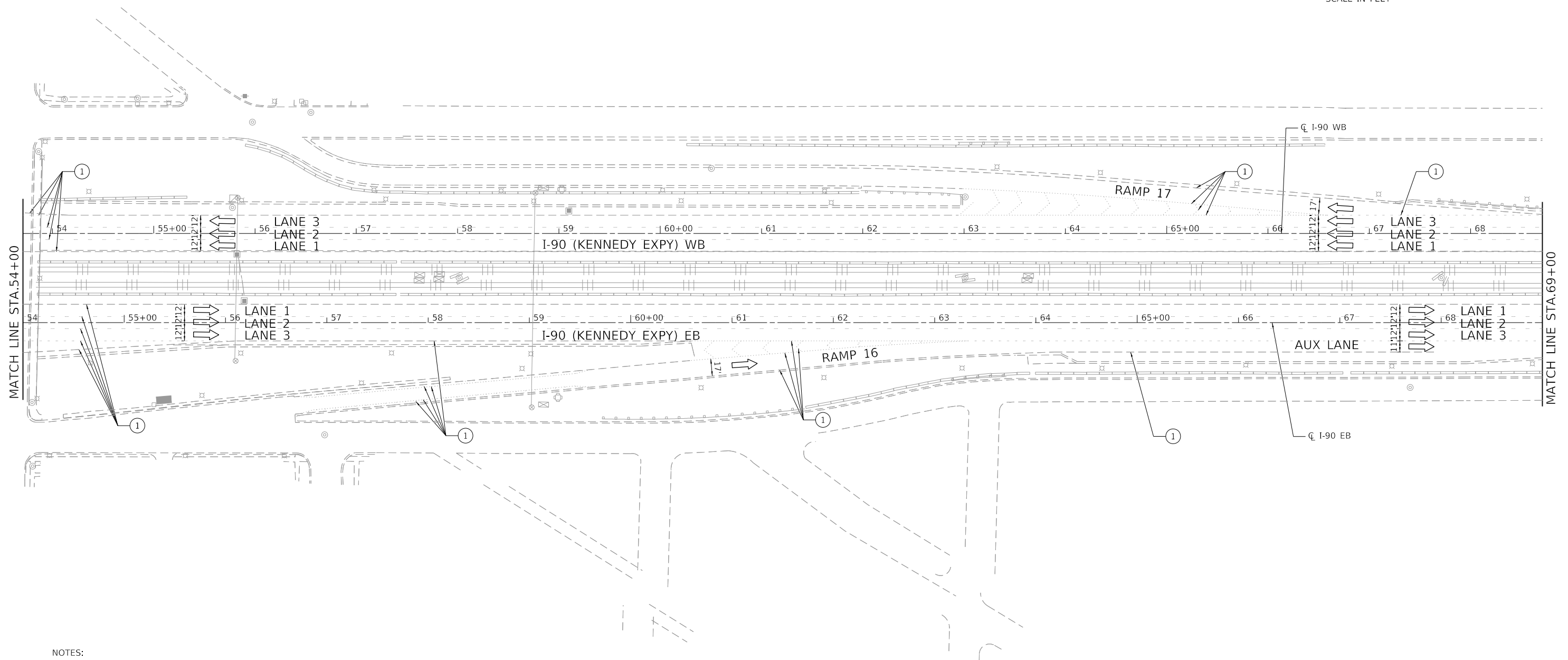
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USER NAME = RGal	DESIGNED - RG	REVISED -
	DRAWN - CS/JB	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 1/30/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC STAGE 1B			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	55
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



NOTES:

- "ROAD CONSTRUCTION AHEAD" SIGN (W20-1103(0)-48) SHALL BE PLACED ON ALL ENTRANCE RAMP WITHIN THE WORK ZONE PLACED 200' IN ADVANCE OF THE GORE AND AS SHOWN ON THE PLANS.

LEGEND

- | | | | |
|---|---|---|--|
| WORK AREA | TYPE III BARRICADE | EX. PAVEMENT MARKING | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE) |
| DIRECTION OF TRAFFIC | IMPACT ATTENUATOR | PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE) |
| TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C | DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE) |
| SIGN ON PORTABLE OR PERMANENT SUPPORT | | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW) | TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED |

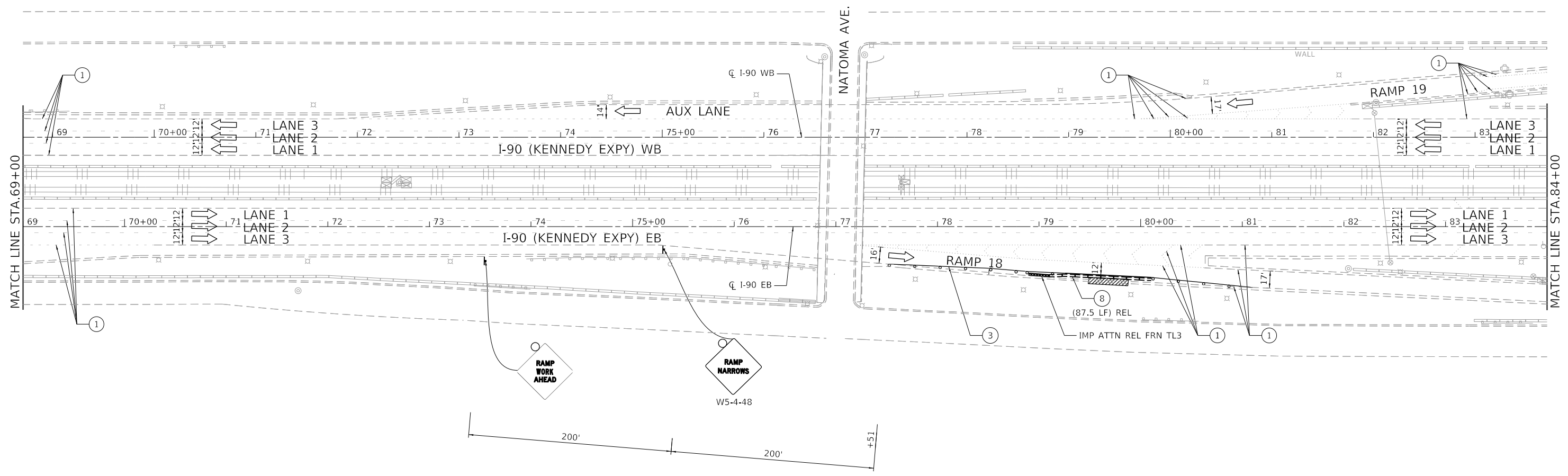
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USER NAME = RGall	DESIGNED - RG	REVISED -
	DRAWN - CS/JB	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 1/30/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC STAGE 1B	
SCALE: 1"=50'	SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	56
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



NOTES:

- "ROAD CONSTRUCTION AHEAD" SIGN (W20-1103(0)-48) SHALL BE PLACED ON ALL ENTRANCE RAMP WITHIN THE WORK ZONE PLACED 200' IN ADVANCE OF THE GORE AND AS SHOWN ON THE PLANS.

LEGEND

- | | | | |
|---|---|---|--|
| WORK AREA | TYPE III BARRICADE | EX. PAVEMENT MARKING | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE) |
| DIRECTION OF TRAFFIC | IMPACT ATTENUATOR | PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE) |
| TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C | DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE) |
| SIGN ON PORTABLE OR PERMANENT SUPPORT | | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW) | TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED |

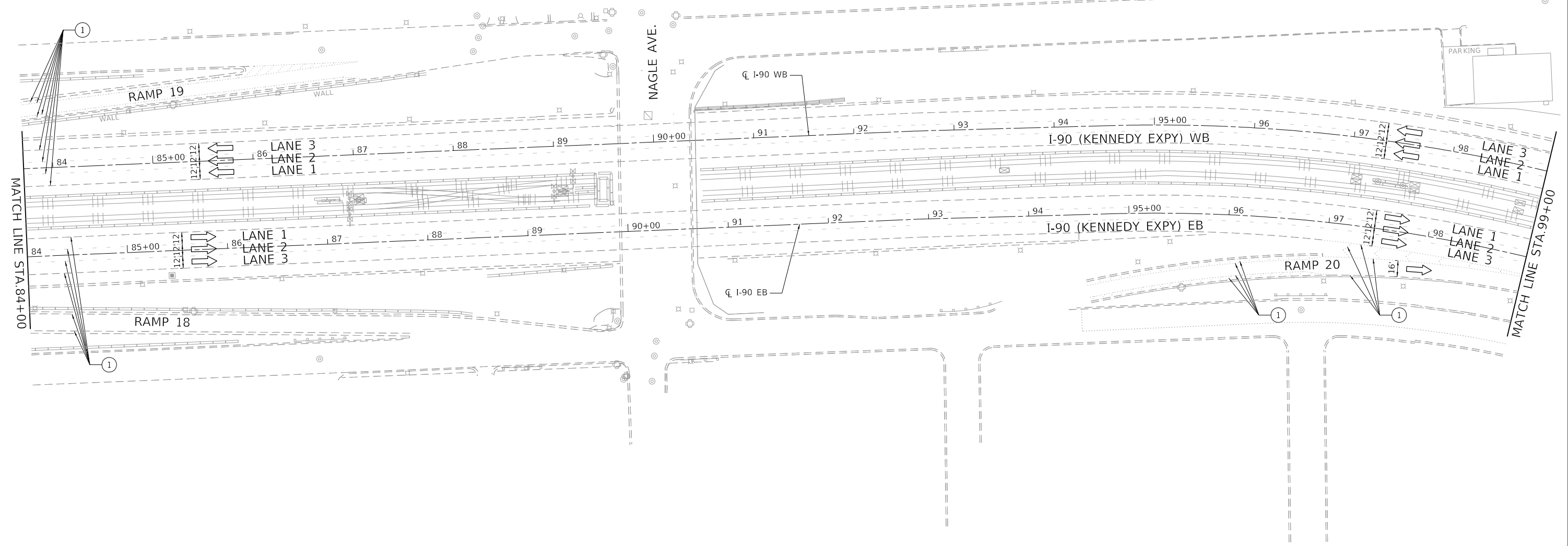
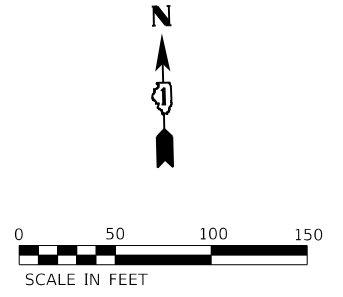
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USER NAME = RGall	DESIGNED - RG	REVISED -
	DRAWN - CS/JB	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 1/30/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC STAGE 1B			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	57
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



NOTES:

- "ROAD CONSTRUCTION AHEAD" SIGN (W20-1103(0)-48) SHALL BE PLACED ON ALL ENTRANCE RAMP WITHIN THE WORK ZONE PLACED 200' IN ADVANCE OF THE GORE AND AS SHOWN ON THE PLANS.

LEGEND

- | | | | |
|---|---|---|--|
| WORK AREA | TYPE III BARRICADE | EX. PAVEMENT MARKING | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE) |
| DIRECTION OF TRAFFIC | IMPACT ATTENUATOR | PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE) |
| TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C | DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE) |
| SIGN ON PORTABLE OR PERMANENT SUPPORT | | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW) | TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED |

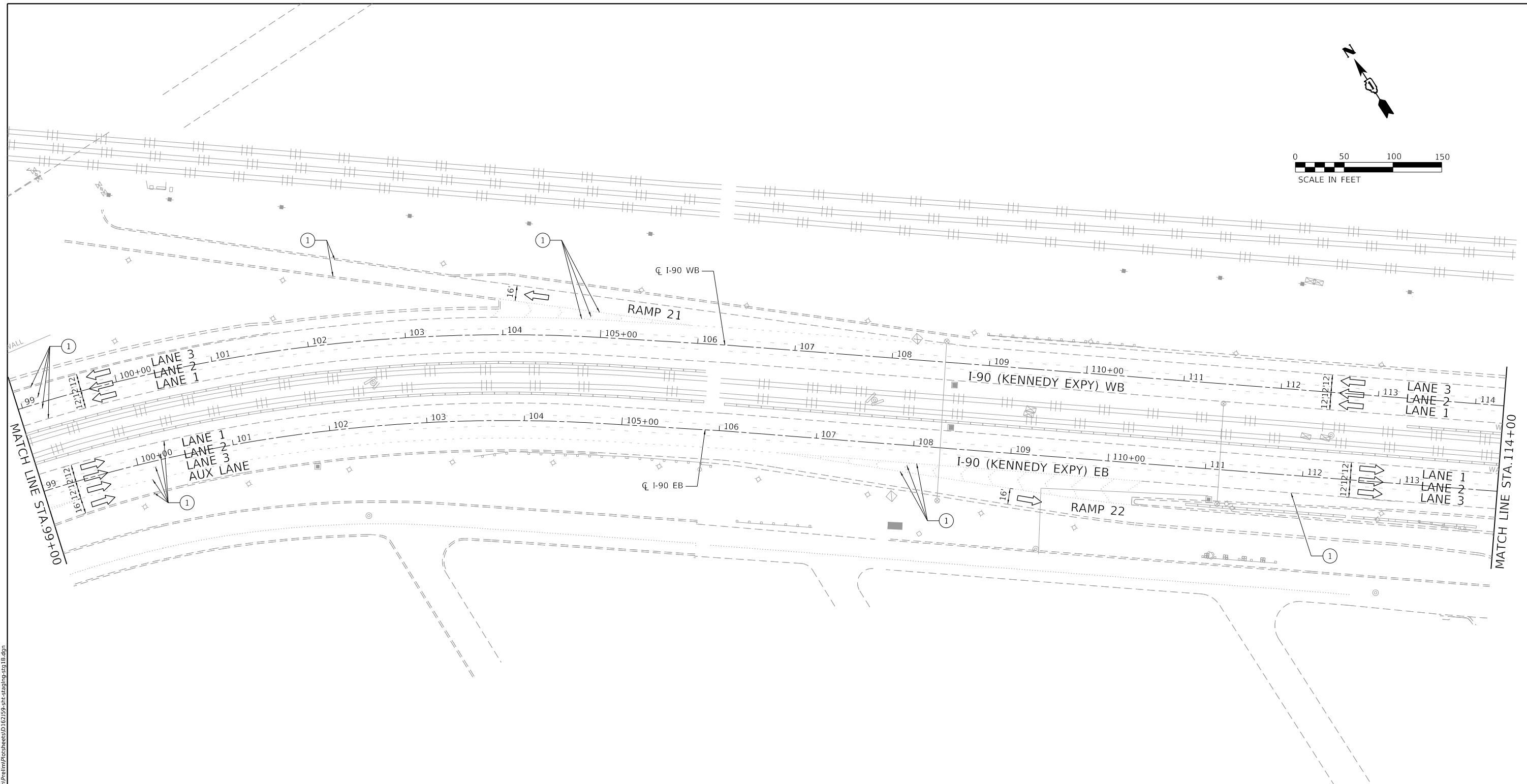
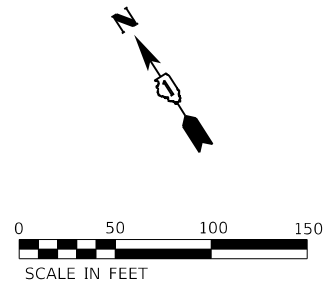
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PLOT DATE = 1/30/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC STAGE 1B			
SCALE: 1"=50'	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	58
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



NOTES:

- "ROAD CONSTRUCTION AHEAD" SIGN (W20-1103(0)-48) SHALL BE PLACED ON ALL ENTRANCE RAMPS WITHIN THE WORK ZONE PLACED 200' IN ADVANCE OF THE GORE AND AS SHOWN ON THE PLANS.

LEGEND

- | | | | |
|---|---|---|--|
| WORK AREA | TYPE III BARRICADE | EX. PAVEMENT MARKING | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE) |
| DIRECTION OF TRAFFIC | IMPACT ATTENUATOR | PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE) |
| TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C | DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE) |
| SIGN ON PORTABLE OR PERMANENT SUPPORT | | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW) | TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED |

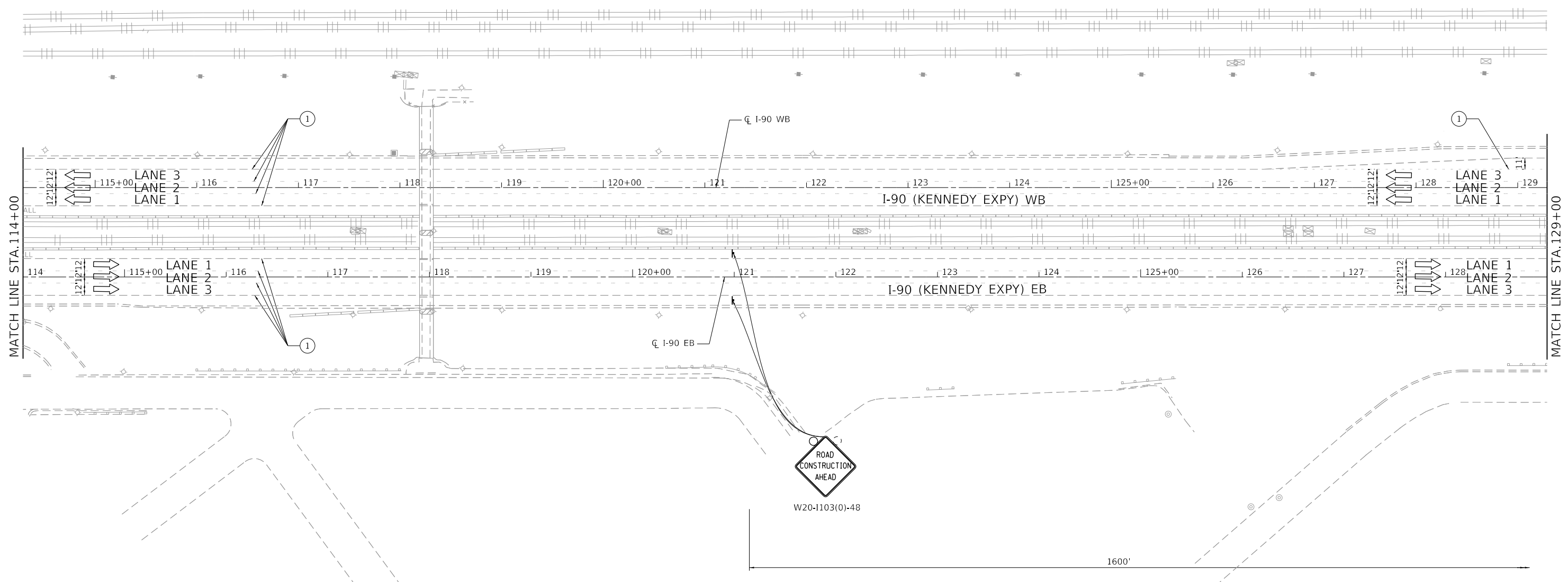
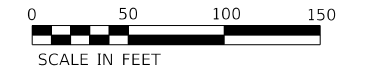
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	DRAWN - CS/JB	REVISED -
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PLOT DATE = 1/30/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC STAGE 1B			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	59
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



NOTES:

- "ROAD CONSTRUCTION AHEAD" SIGN (W20-1103(0)-48) SHALL BE PLACED ON ALL ENTRANCE RAMP WITHIN THE WORK ZONE PLACED 200' IN ADVANCE OF THE GORE AND AS SHOWN ON THE PLANS.

LEGEND

- | | | | |
|---|---|---|--|
| WORK AREA | TYPE III BARRICADE | EX. PAVEMENT MARKING | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE) |
| DIRECTION OF TRAFFIC | IMPACT ATTENUATOR | PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE) |
| TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C | DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE) |
| SIGN ON PORTABLE OR PERMANENT SUPPORT | | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW) | TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED |

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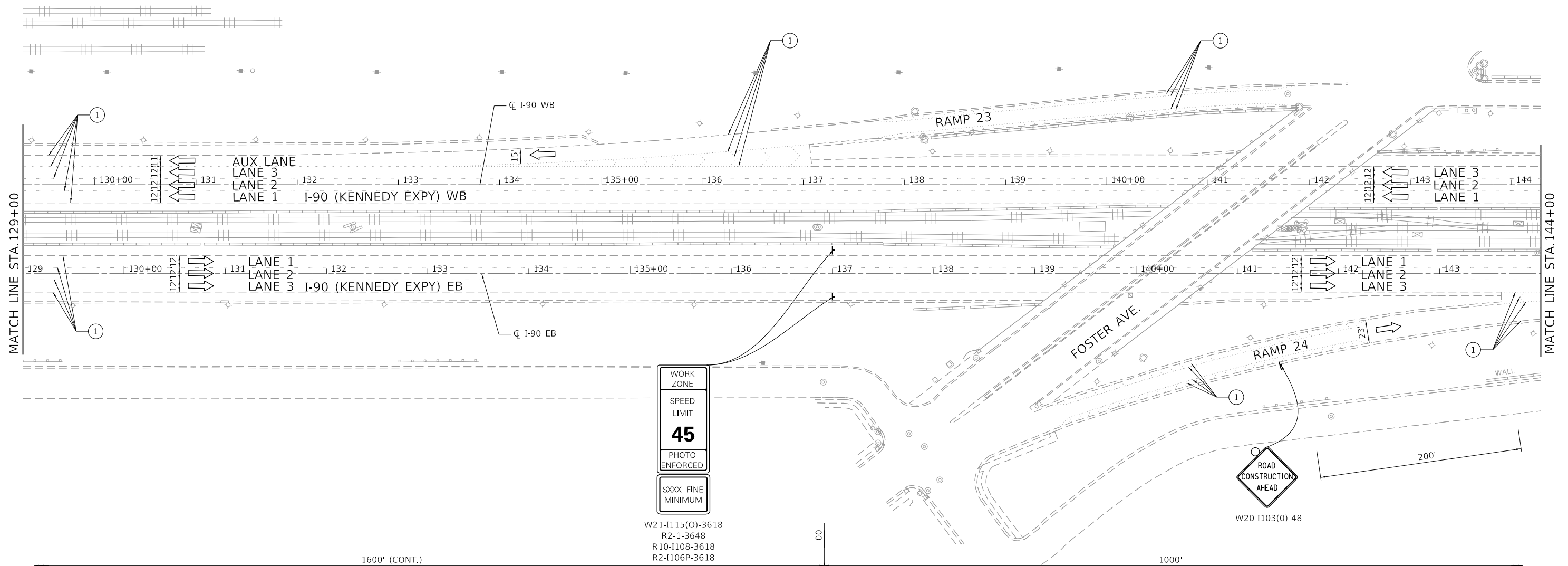
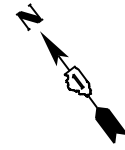
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	DRAWN - CS/JB	REVISED -
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PLOT DATE = 1/30/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 1B**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	60
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



WORK ZONE
SPEED LIMIT
45
PHOTO ENFORCED
\$XXX FINE MINIMUM

W21-1115(O)-3618
 R2-1-3648
 R10-1108-3618
 R2-1106P-3618

W20-1103(O)-48

NOTES:

- "ROAD CONSTRUCTION AHEAD" SIGN (W20-1103(O)-48) SHALL BE PLACED ON ALL ENTRANCE RAMP WITHIN THE WORK ZONE PLACED 200' IN ADVANCE OF THE GORE AND AS SHOWN ON THE PLANS.

LEGEND

- | | | | |
|---|---|---|--|
| WORK AREA | TYPE III BARRICADE | EX. PAVEMENT MARKING | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE) |
| DIRECTION OF TRAFFIC | IMPACT ATTENUATOR | PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE) |
| TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C | DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE) |
| SIGN ON PORTABLE OR PERMANENT SUPPORT | | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW) | TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED |

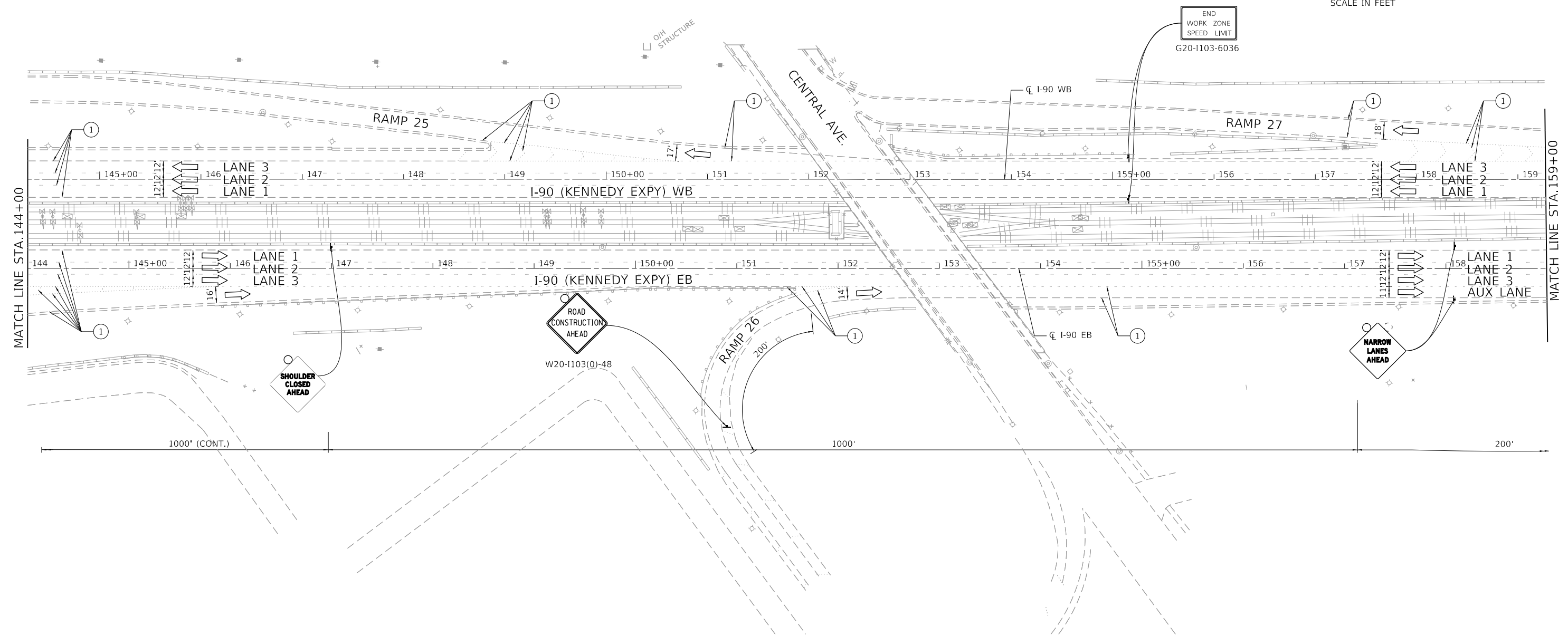
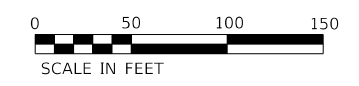
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PLOT DATE = 1/30/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC STAGE 1B	
SCALE: 1"=50'	SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	61
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



NOTES:

- "ROAD CONSTRUCTION AHEAD" SIGN (W20-1103(0)-48) SHALL BE PLACED ON ALL ENTRANCE RAMP WITHIN THE WORK ZONE PLACED 200' IN ADVANCE OF THE GORE AND AS SHOWN ON THE PLANS.

LEGEND

- | | | | |
|---|---|---|--|
| WORK AREA | TYPE III BARRICADE | EX. PAVEMENT MARKING | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE) |
| DIRECTION OF TRAFFIC | IMPACT ATTENUATOR | PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE) |
| TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C | DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE) |
| SIGN ON PORTABLE OR PERMANENT SUPPORT | | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW) | TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED |

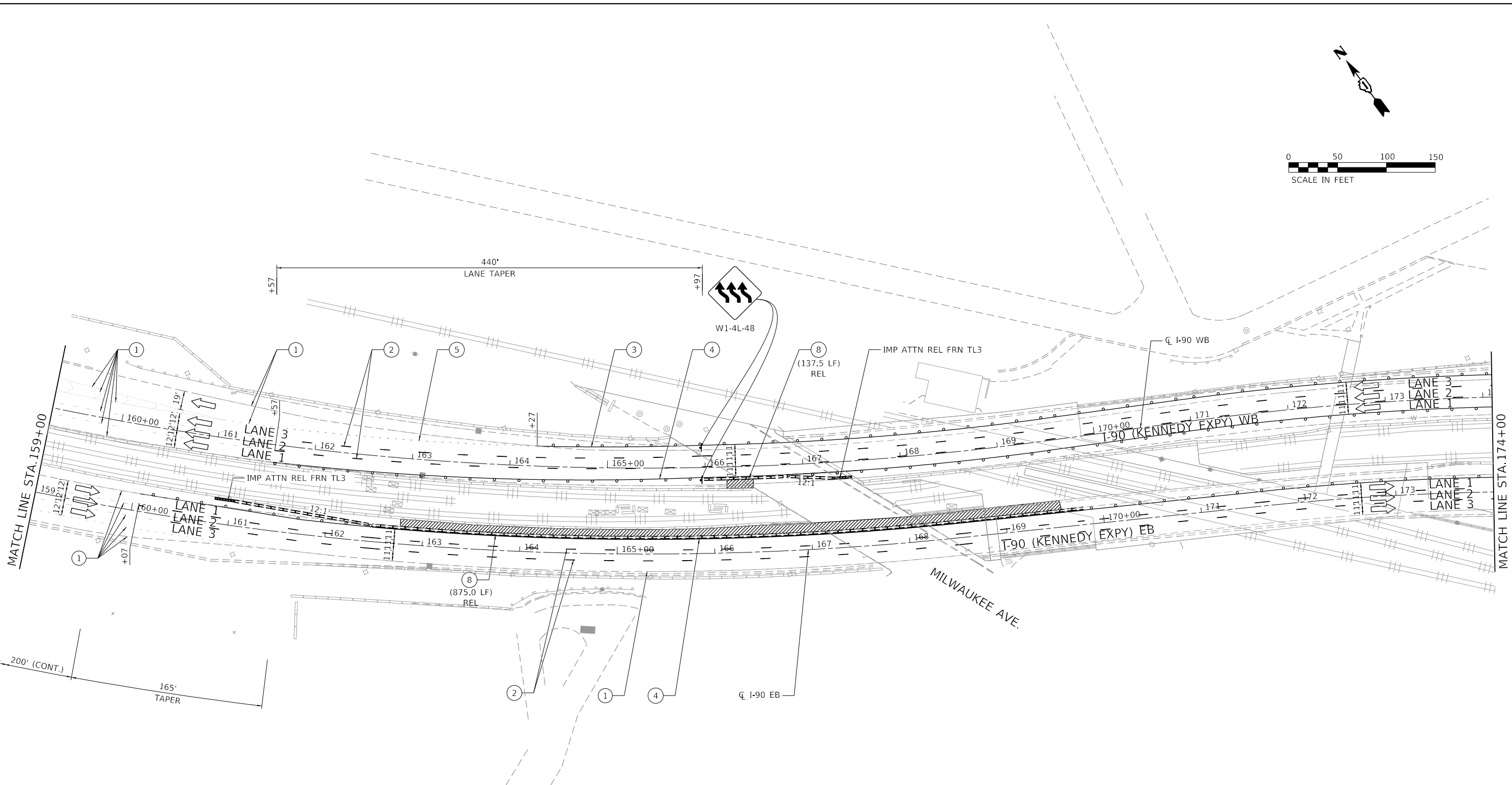
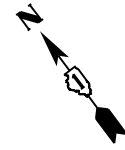
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	DRAWN - CS/JB	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 1/30/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC STAGE 1B	
SCALE: 1"=50'	SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	62
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



NOTES:

- "ROAD CONSTRUCTION AHEAD" SIGN (W20-1103(0)-48) SHALL BE PLACED ON ALL ENTRANCE RAMPS WITHIN THE WORK ZONE PLACED 200' IN ADVANCE OF THE GORE AND AS SHOWN ON THE PLANS.

LEGEND

- | | | | |
|---|---|---|--|
| WORK AREA | TYPE III BARRICADE | EX. PAVEMENT MARKING | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE) |
| DIRECTION OF TRAFFIC | IMPACT ATTENUATOR | PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE) |
| TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C | DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE) |
| SIGN ON PORTABLE OR PERMANENT SUPPORT | | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW) | TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED |

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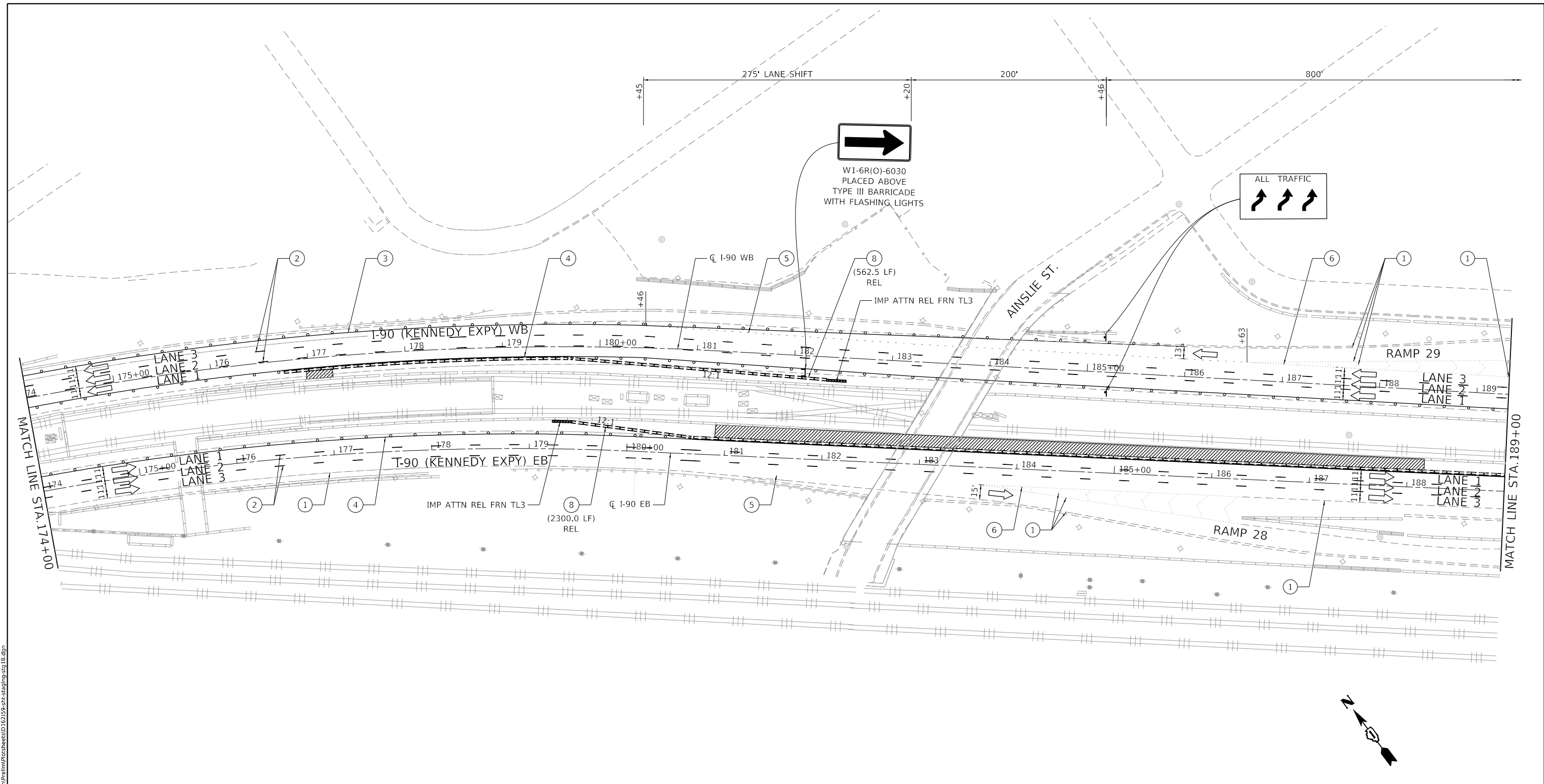
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 1B**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	63
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

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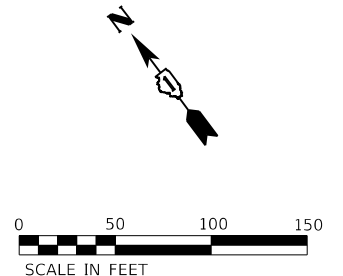


NOTES:

- "ROAD CONSTRUCTION AHEAD" SIGN (W20-1103(0)-48) SHALL BE PLACED ON ALL ENTRANCE RAMP WITHIN THE WORK ZONE PLACED 200' IN ADVANCE OF THE GORE AND AS SHOWN ON THE PLANS.

LEGEND

- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE III BARRICADE
- IMPACT ATTENUATOR
- DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS
- EX. PAVEMENT MARKING
- PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE)
- TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED

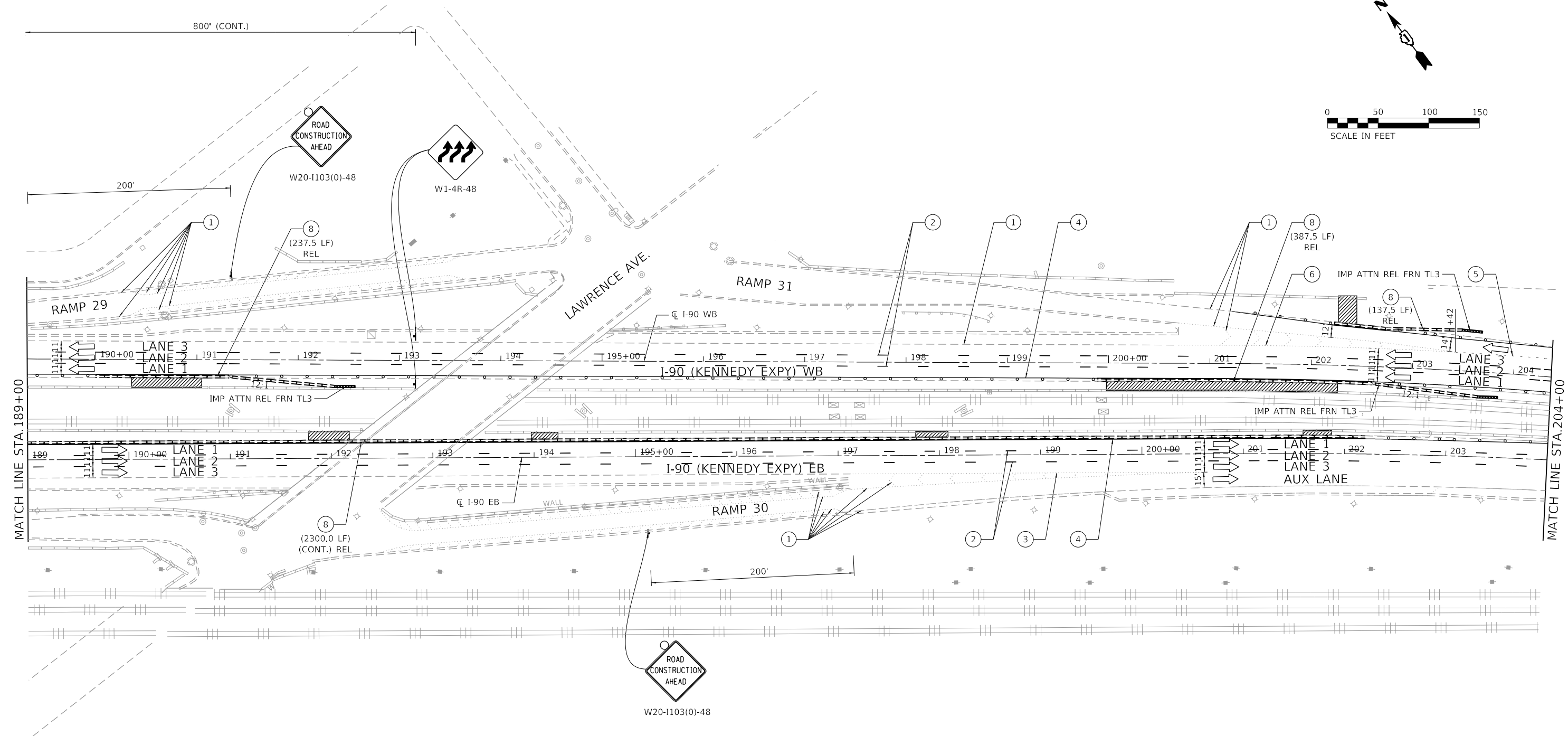
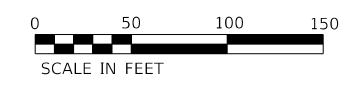


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PLOT DATE = 1/30/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC STAGE 1B	
SCALE: 1"=50'	SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	64
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



NOTES:

- "ROAD CONSTRUCTION AHEAD" SIGN (W20-1103(0)-48) SHALL BE PLACED ON ALL ENTRANCE RAMP WITHIN THE WORK ZONE PLACED 200' IN ADVANCE OF THE GORE AND AS SHOWN ON THE PLANS.

LEGEND

- | | | | |
|---|---|---|--|
| WORK AREA | TYPE III BARRICADE | EX. PAVEMENT MARKING | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE) |
| DIRECTION OF TRAFFIC | IMPACT ATTENUATOR | PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE) |
| TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C | DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE) |
| SIGN ON PORTABLE OR PERMANENT SUPPORT | | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW) | TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED |

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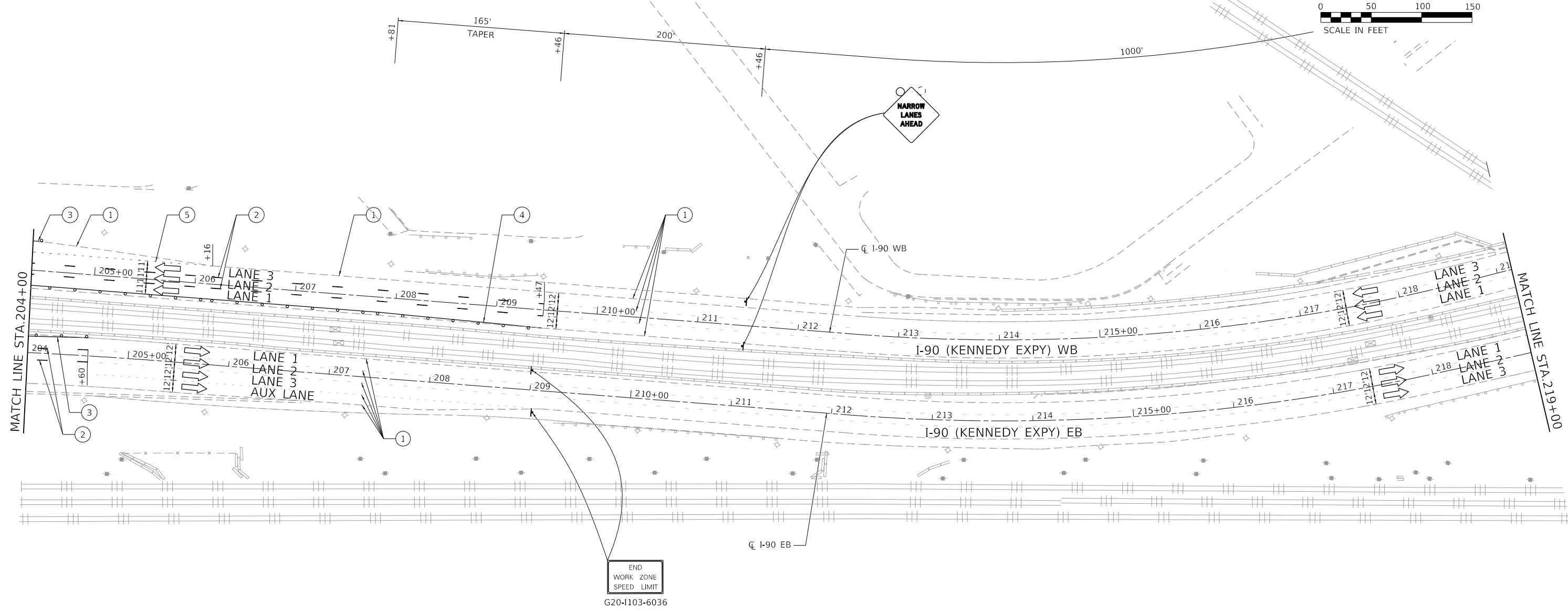
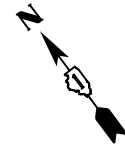
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PLOT DATE = 1/30/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 1B**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	65
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



NOTES:

- "ROAD CONSTRUCTION AHEAD" SIGN (W20-1103(0)-48) SHALL BE PLACED ON ALL ENTRANCE RAMP WITHIN THE WORK ZONE PLACED 200' IN ADVANCE OF THE GORE AND AS SHOWN ON THE PLANS.

LEGEND

- | | | | |
|---|---|---|--|
| WORK AREA | TYPE III BARRICADE | EX. PAVEMENT MARKING | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE) |
| DIRECTION OF TRAFFIC | IMPACT ATTENUATOR | PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE) |
| TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C | DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE) | PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE) |
| SIGN ON PORTABLE OR PERMANENT SUPPORT | | PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW) | TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED |

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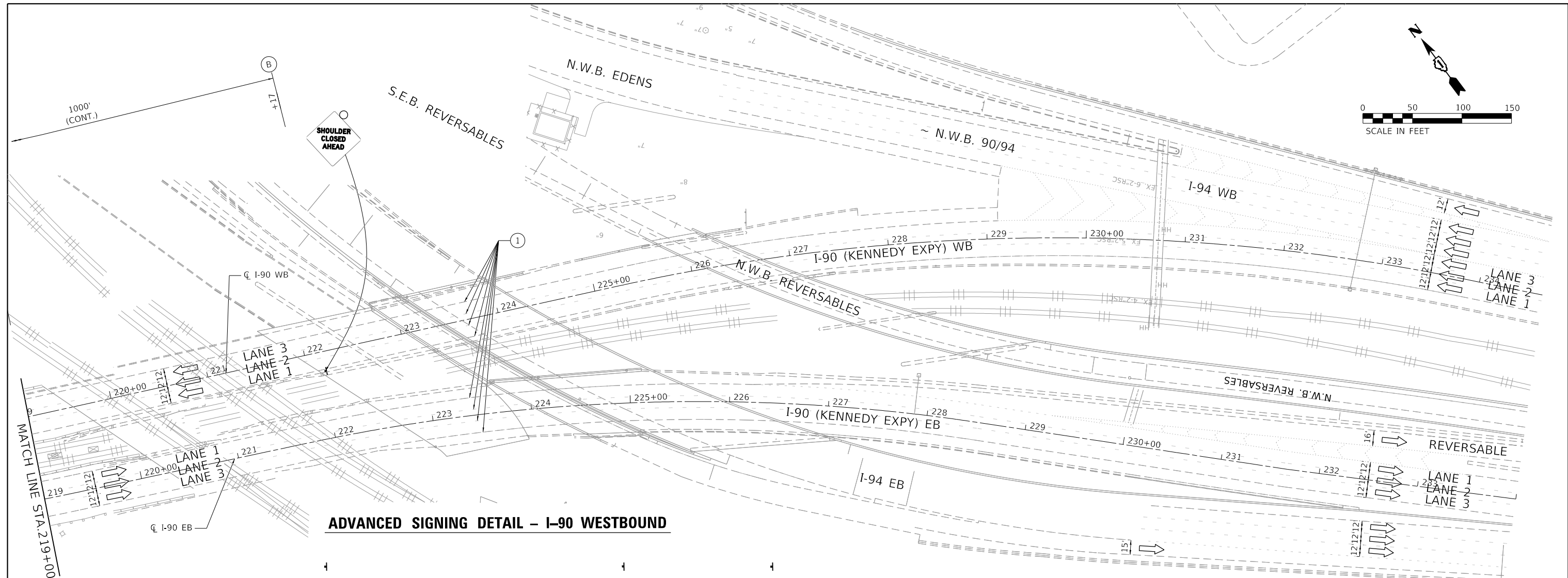
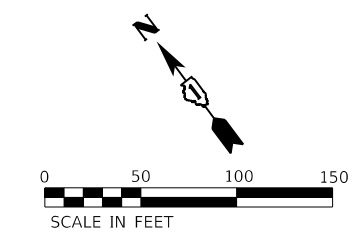
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PLOT DATE = 1/30/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

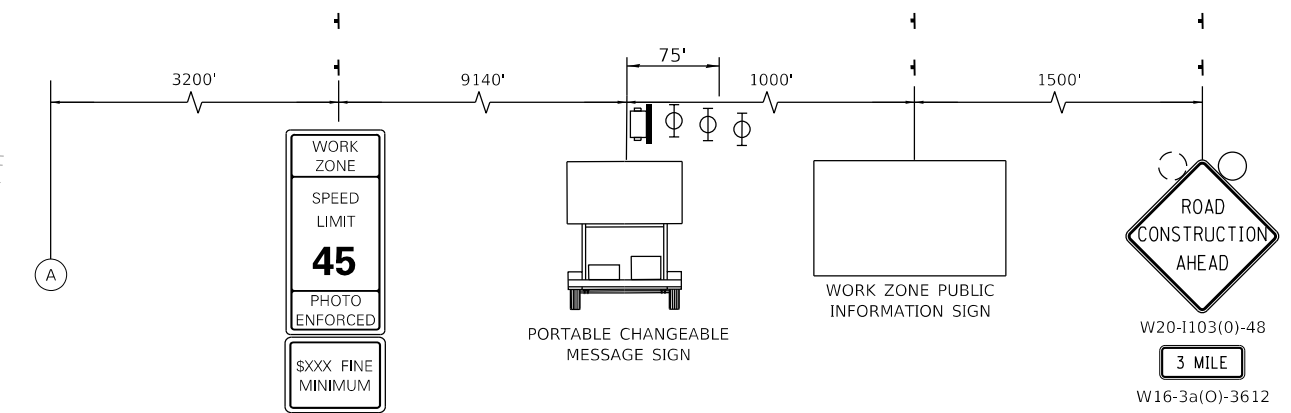
**MAINTENANCE OF TRAFFIC
STAGE 1B**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	66
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



ADVANCED SIGNING DETAIL - I-90 WESTBOUND



NOTES:

- "ROAD CONSTRUCTION AHEAD" SIGN (W20-1103(0)-48) SHALL BE PLACED ON ALL ENTRANCE RAMP WITHIN THE WORK ZONE PLACED 200' IN ADVANCE OF THE GORE AND AS SHOWN ON THE PLANS.

LEGEND

- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER W/ BARRIER WALL REFLECTORS, TYPE C
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE III BARRICADE
- IMPACT ATTENUATOR
- DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS
- EX. PAVEMENT MARKING
- PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (2' DASH - 6' SKIP WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 8" (WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE)
- TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C CONTINUOUSLY PINNED

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PLOT DATE = 1/30/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 1B**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	67
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

STORM SEWER SCHEDULE

PIPE NO	SLOPE %	FROM		TO		550A0050	550A0090	550A0120	550A0340	550A0360	20800150	44201385	44201396	44201761	44201765	44201769	44201771	44201798	44201803	44201809	REMARKS	
		STRUC NO	INVERT	STRUC NO	INVERT	STORM SEWER, CLASS A, TYPE 1 - 12'	STORM SEWER, CLASS A, TYPE 1 - 18'	STORM SEWER, CLASS A, TYPE 1 - 24"	STORM SEWER, CLASS A, TYPE 2 - 12'	STORM SEWER, CLASS A, TYPE 2 - 15'	TRENCH BACKFILL	CLASS C PATCHES, TYPE I, 13 INCH	CLASS C PATCHES, TYPE N, 13 INCH	CLASS D PATCHES, TYPE I, 10 INCH	CLASS D PATCHES, TYPE II, 10 INCH	CLASS D PATCHES, TYPE III, 10 INCH	CLASS D PATCHES, TYPE M, 10 INCH	CLASS D PATCHES, TYPE I, 13 INCH	CLASS D PATCHES, TYPE II, 13 INCH	CLASS D PATCHES, TYPE N, 13 INCH		
						LF	LF	LF	LF	LF	CU YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD		
1	0.005	2	588.88	3	588.30		115				24											
2	0.005	3	588.30	4	587.75		110				29											63
3	0.005	4	587.75	5	587.50			50			21						31					61
4	0.125	8	588.70	9	586.20	20					5							10				STRUC NO 5 IS EX MH
5	0.011	9	586.20	10	585.50				66		44						32					
6	0.007	12	586.70	11	586.30			58			16		36									USE TEMPORARY SOIL RETENTION SYSTEM
7	0.025	16	602.50	13	597.10					218	77		113									USE TEMPORARY SOIL RETENTION SYSTEM
8	0.009	14	602.00	15	601.50				53		16						26					
9	0.018	17	603.20	16	602.50	40					8						13					
10	0.015	18	603.43	17	603.20	15					2			5								
11	0.006	19	603.50	18	603.43	12					2			4								
12	0.05	20	592.14	EXIST	591.39	15					4							5				L1 - SEE PROPOSED DRAINAGE STRUCTURE AND STORM SEWER DETAIL
13	0.05	21	591.94	EXIST	591.19	15					4							5				L2 - SEE PROPOSED DRAINAGE STRUCTURE AND STORM SEWER DETAIL
14	0.05	22	591.53	EXIST	590.78	15					4							5				L3 - SEE PROPOSED DRAINAGE STRUCTURE AND STORM SEWER DETAIL
15	0.05	23	591.02	EXIST	590.27	15					4							5				L4 - SEE PROPOSED DRAINAGE STRUCTURE AND STORM SEWER DETAIL
16	0.05	24	593.39	EXIST	592.64	15					4							5				L5 - SEE PROPOSED DRAINAGE STRUCTURE AND STORM SEWER DETAIL
17	0.05	25	591.80	EXIST	591.05	15					4							5				L6 - SEE PROPOSED DRAINAGE STRUCTURE AND STORM SEWER DETAIL
18	0.05	26	593.32	EXIST	592.57	15					4							5				L7 - SEE PROPOSED DRAINAGE STRUCTURE AND STORM SEWER DETAIL
19	0.05	27	591.65	EXIST	590.90	15					4							5				L8 - SEE PROPOSED DRAINAGE STRUCTURE AND STORM SEWER DETAIL
20	0.05	28	590.22	EXIST	589.47	15					4							5				L9 - SEE PROPOSED DRAINAGE STRUCTURE AND STORM SEWER DETAIL
21	0.05	29	587.15	EXIST	586.40	15					4	5										L10 - SEE PROPOSED DRAINAGE STRUCTURE AND STORM SEWER DETAIL
22	0.05	30	587.58	EXIST	586.83	15					4	5										L11 - SEE PROPOSED DRAINAGE STRUCTURE AND STORM SEWER DETAIL
23	0.05	31	587.40	EXIST	586.65	15					4	5										L12 - SEE PROPOSED DRAINAGE STRUCTURE AND STORM SEWER DETAIL
24	0.05	32	589.70	EXIST	588.95	15					4	5										L13 - SEE PROPOSED DRAINAGE STRUCTURE AND STORM SEWER DETAIL
25	0.05	33	590.58	EXIST	589.83	15					4	5										L14 - SEE PROPOSED DRAINAGE STRUCTURE AND STORM SEWER DETAIL
26	0.05	34	596.68	EXIST	595.93	15					4	5										L15 - SEE PROPOSED DRAINAGE STRUCTURE AND STORM SEWER DETAIL
27	0.05	35	608.56	EXIST	607.81	15					4	5										L16 - SEE PROPOSED DRAINAGE STRUCTURE AND STORM SEWER DETAIL
28	0.015	36	594.15	37	593.59					38	9					20						
29	0.01	38	596.53	39	596.12					40	9				14							
TOTALS						327	225	108	119	296	326	35	149	9	27	20	89	45	10	124		

NOTES:

- STATIONS, OFFSETS, AND ELEVATIONS ARE BASED ON RECORD DRAWINGS. ADJUST LOCATION AND ELEVATIONS TO MATCH FIELD CONDITIONS.
- STATIONS AND OFFSETS ARE MEASURED TO THE CENTER OF THE STRUCTURE UNLESS NOTED OTHERWISE.
- LENGTH FOR STORM SEWERS TO BE CLEANED SHALL BE THE LENGTH OF EXISTING STORM SEWER FROM THE STRUCTURE INDICATED.

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USER NAME = RGal	DESIGNED - RG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE SCHEDULE I-90 (IL. RTE. 43 - I-94)			F.A.J. RTE. 90	SECTION 2019-082-RS&T	COUNTY COOK	TOTAL SHEETS 119	SHEET NO. 68
PLOT SCALE = 100.0000' / in.	CHECKED - JH	REVISED -					CONTRACT NO. 62J59				
PLOT DATE = 1/30/2020	DATE - 10/5/19	REVISED -					SCALE: 1"=50'	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

TRENCH DRAIN SCHEDULE

ALIGNMENT	STATION		LOCATION			X03276080	44000100	44004250	44000500
	FROM	TO	IN GORE	ADJACENT TO GUTTER	IN GUTTER	TRENCH DRAIN	PAVEMENT REMOVAL	PAVED SHOULDER REMOVAL	COMBINATION CURB AND GUTTER REMOVAL
						LF	SQ YD	SQ YD	LF
I-90 EB	45+67.76	46+77.73	X			110	33		
I-90 EB	52+32.12	52+57.12		X		25		8	
I-90 EB	52+62.11	54+23.17		X		162		48	
I-90 EB	79+50.30	79+65.29			X	15			15
I-90 EB	79+70.27	79+85.26			X	15			15
I-90 EB	79+76.26	79+91.26	X			15	5		
I-90 EB	79+96.26	80+11.26	X			15	5		
I-90 EB	89+02.76	89+22.76		X		20		6	
I-90 EB	89+27.75	89+47.75		X		20		6	
I-90 WB	103+12.56	103+32.26		X		20		6	
I-90 WB	103+31.78	103+50.97			X	20			20
I-90 WB	103+37.08	103+56.78		X		20		6	
I-90 WB	103+55.71	103+75.00			X	20			20
I-90 EB	119+77.25	120+02.25		X		25		8	
I-90 EB	120+07.26	120+32.26		X		25		8	
I-90 WB	120+04.27	120+29.27		X		25		8	
I-90 WB	120+34.27	120+59.27		X		25		8	
I-90 WB	134+75.73	135+65.65			X	92			92
I-90 WB	135+58.55	135+98.56	X			40	12		
I-90 WB	157+22.16	158+09.03	X			87	26		
I-90 WB	158+14.03	160+23.00	X			209	62		
I-90 EB	166+68.36	167+56.88			X	88			88
I-90 EB	167+62.00	168+45.00			X	83			83
I-90 EB	168+50.04	169+48.52			X	99			99
I-90 WB	166+84.16	167+23.50			X	40			40
I-90 WB	167+33.64	168+21.32			X	87			87
I-90 WB	168+26.43	172+25.13			X	400			400
I-90 EB	171+65.42	172+73.50			X	108			108
I-90 EB	172+78.54	174+16.48			X	137			137
I-90 EB	184+58.52	186+79.92	X			222	66		
I-90 EB	185+16.90	186+66.37		X		150		45	
I-90 EB	186+70.87	188+09.75		X		139		42	
I-90 WB	188+05.33	189+29.84	X			125	38		
I-90 EB	197+99.28	199+42.89	X			144	43		
I-90 WB	200+08.67	202+28.40	X			221	66		
TOTALS						3048	356	199	1204

SCHEDULE OF STORM SEWER CLEANING

ALIGNMENT	LOCATION			X5537700	X5537800
	STA	OFFSET	EXIST STR TYPE	STORM SEWERS TO BE CLEANED 10'	STORM SEWERS TO BE CLEANED 12'
				FOOT	FOOT
I-90 WB	34+87	30' LT	INLET	40	
I-90 WB	38+73	30' LT	INLET	50	
I-90 WB	40+93	31' LT	INLET	40	
I-90 WB	42+95	31' LT	INLET	40	
I-90 WB	44+93	24' RT	INLET	15	
I-90 WB	44+99	18' RT	CB		50
I-90 WB	45+90	30' LT	INLET	50	
I-90 WB	51+42	35' LT	INLET	65	
I-90 WB	53+09	24' RT	CB		
I-90 WB	39+85	21' RT	CB		
I-90 WB	35+91	20' RT	INLET		
I-90 WB	55+49	25' RT	INLET	15	
I-90 WB	64+51	25' RT	INLET	15	
I-90 WB	73+98	34' LT	INLET	65	
I-90 WB	79+65	20' RT	CB		10
I-90 WB	86+97	30' LT	INLET	40	
I-90 WB	94+99	30' LT	INLET		45
I-90 WB	95+05	24' RT	INLET	15	
I-90 WB	97+00	24' RT	INLET		20
I-90 WB	108+95	25' RT	INLET	15	
I-90 WB	109+81	33' LT	CB	15	
I-90 WB	109+82	30' LT	INLET	40	
I-90 WB	110+98	25' RT	INLET	15	
I-90 WB	112+73	29' LT	INLET	40	
I-90 WB	118+37	25' RT	INLET	15	
I-90 WB	118+44	30' LT	INLET		15
I-90 WB	122+84	23' RT	CB	15	
I-90 WB	135+99	24' RT	INLET	15	
I-90 WB	136+87	23' RT	CB	70	
I-90 WB	143+72	20' LT	INLET	40	
I-90 WB	165+85	20' RT	CB	15	
I-90 EB	42+16	25' LT	INLET		
I-90 EB	55+81	26' LT	INLET	15	
I-90 EB	56+28	23' RT	INLET	45	
I-90 EB	65+74	26' LT	INLET	15	
I-90 EB	77+52	38' RT	INLET	55	
I-90 EB	102+95	25' LT	INLET	15	
I-90 EB	148+49	25' RT	INLET	70	
TOTALS				960	140

NOTES:

- STATIONS, OFFSETS, AND ELEVATIONS ARE BASED ON RECORD DRAWINGS. ADJUST LOCATION AND ELEVATIONS TO MATCH FIELD CONDITIONS.
- STATIONS AND OFFSETS ARE MEASURED TO THE CENTER OF THE STRUCTURE UNLESS NOTED OTHERWISE.
- LENGTH FOR STORM SEWERS TO BE CLEANED SHALL BE THE LENGTH OF EXISTING STORM SEWER FROM THE STRUCTURE INDICATED.
- ALL DRAINAGE STRUCTURES THAT ARE ADJUSTED SHALL BE CLEANED.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

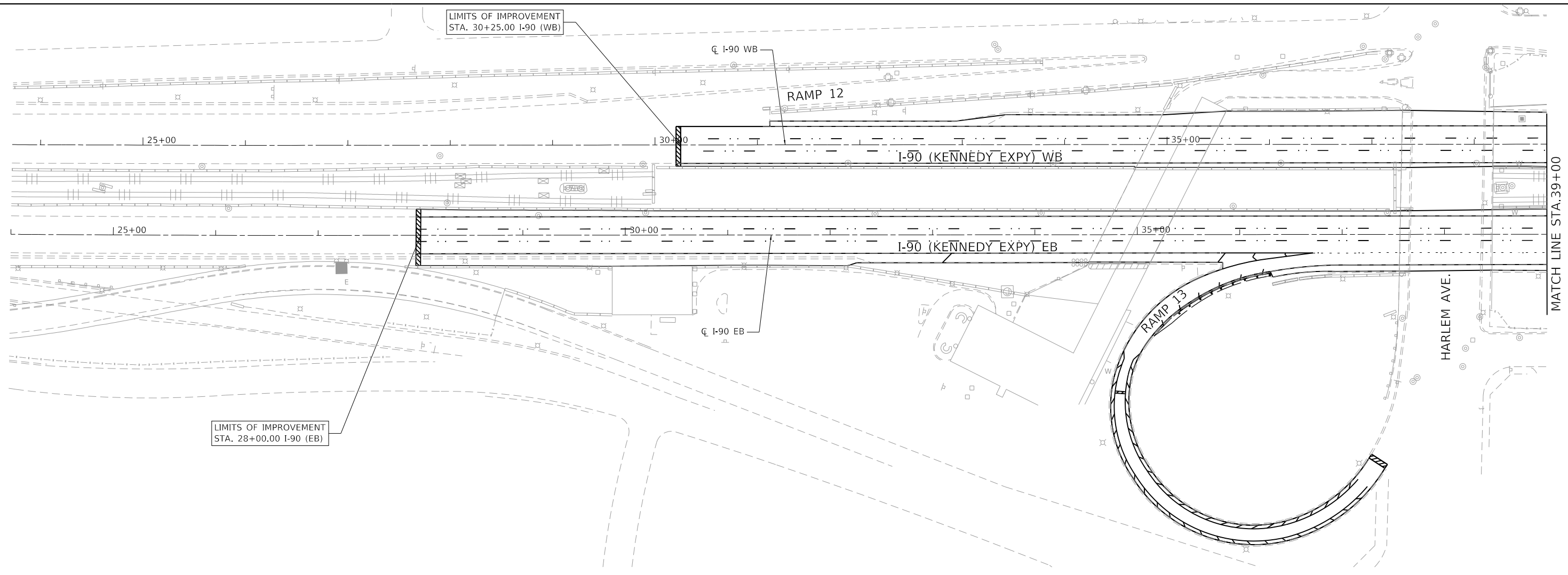
**DRAINAGE SCHEDULE
I-90 (IL. RTE. 43 - I-94)**

SCALE: 1"=50'








SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	69
CONTRACT NO. 62J59				
		ILLINOIS	FED. AID PROJECT	

MODEL: D:\p1\130039\11.DDOT D1.PFB.187-2006.WO.21.Kennedy_Express\DCADesign\Pre\187-2006-01-01.dwg



DRAINAGE LEGEND

-  PROPOSED DRAINAGE STRUCTURE
-  PROPOSED DRAINAGE PIPE
-  PROPOSED DRAINAGE STRUCTURE AND STORM SEWER
-  PROPOSED TRENCH DRAIN
-  PROPOSED STORMSEWER
-  EXISTING STORMSEWER
-  STORM SEWER TO BE ABANDONED



NOTES:

1. ALL STATIONS, OFFSETS, AND ELEVATIONS ARE BASED UPON RECORD DRAWINGS. ADJUST LOCATIONS AND ELEVATIONS TO MATCH FIELD CONDITIONS.
2. SEE DRAINAGE SCHEDULE FOR ADDITIONAL DETAILS AND LOCATIONS OF PIPES AND STRUCTURES.
3. CONTRACTOR SHALL VERIFY ALL EXISTING AND PROPOSED RIM ELEVATIONS, INVERT ELEVATIONS, AND PIPE LENGTHS FOR STRUCTURES AND STORM SEWERS PRIOR TO ORDERING MATERIAL.
4. ANY DAMAGED FRAMES OR LIDS SHALL BE REPLACED.
5. SEE GENERAL NOTES SHEET FOR ADDITIONAL NOTES.

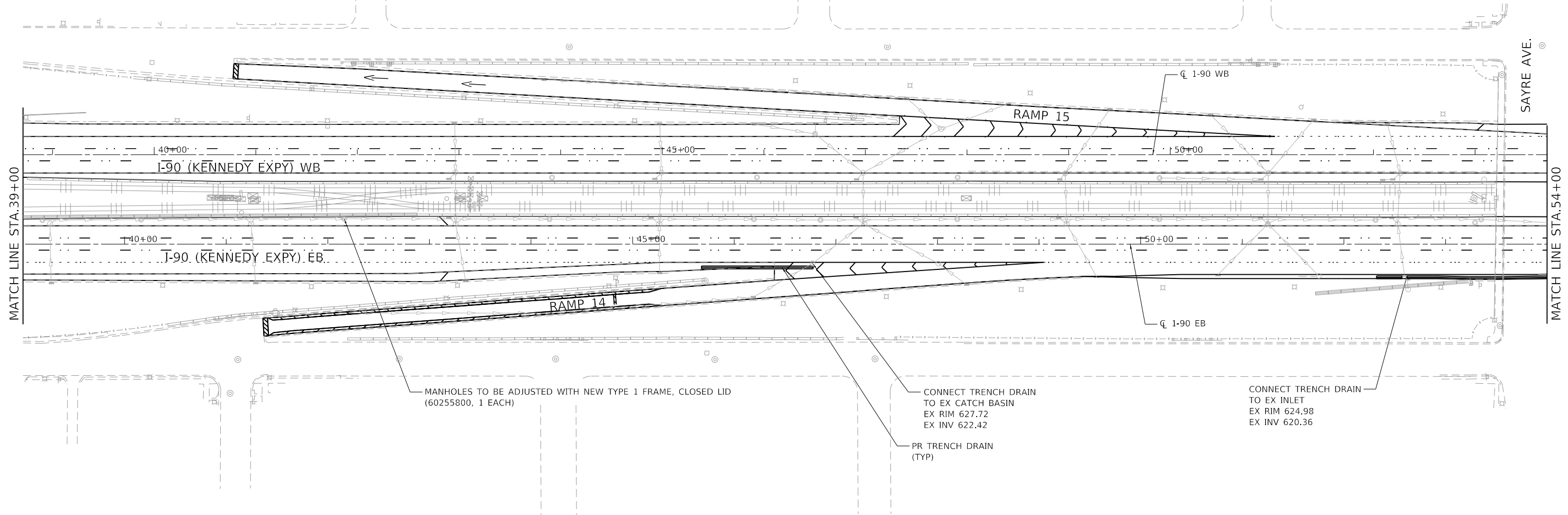
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PLAN
I-90 (IL. RTE. 43 - I-94)**

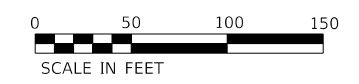
SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	70
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



DRAINAGE LEGEND

- PROPOSED DRAINAGE STRUCTURE
- PROPOSED DRAINAGE PIPE
- PROPOSED DRAINAGE STRUCTURE AND STORM SEWER
- PROPOSED TRENCH DRAIN
- PROPOSED STORMSEWER
- EXISTING STORMSEWER
- STORM SEWER TO BE ABANDONED



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5. SEE GENERAL NOTES SHEET FOR ADDITIONAL NOTES.

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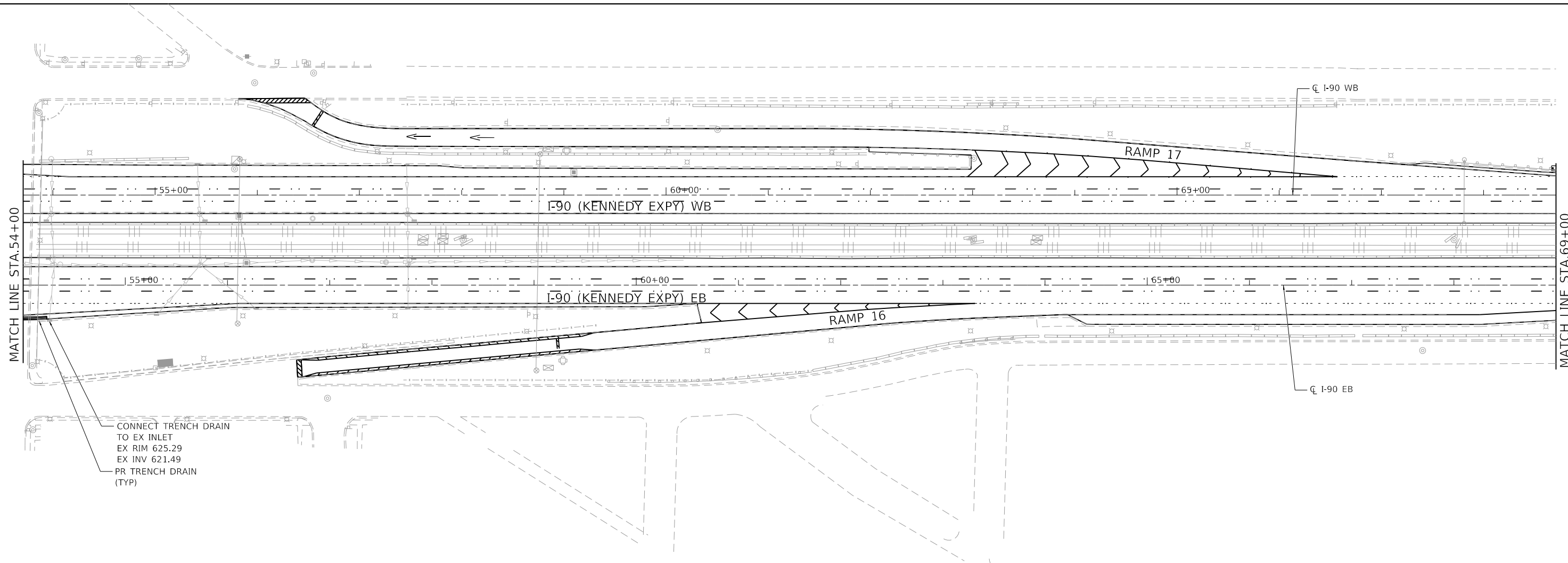
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PLOT DATE = 1/30/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PLAN
 I-90 (IL. RTE. 43 - I-94)**

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








F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	71
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

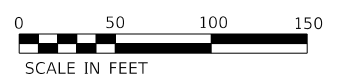


MATCH LINE STA. 54+00

MATCH LINE STA. 69+00

DRAINAGE LEGEND

-  PROPOSED DRAINAGE STRUCTURE
-  PROPOSED DRAINAGE PIPE
-  PROPOSED DRAINAGE STRUCTURE AND STORM SEWER
-  PROPOSED TRENCH DRAIN
-  PROPOSED STORMSEWER
-  EXISTING STORMSEWER
-  STORM SEWER TO BE ABANDONED



NOTES:

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2. SEE DRAINAGE SCHEDULE FOR ADDITIONAL DETAILS AND LOCATIONS OF PIPES AND STRUCTURES.
3. CONTRACTOR SHALL VERIFY ALL EXISTING AND PROPOSED RIM ELEVATIONS, INVERT ELEVATIONS, AND PIPE LENGTHS FOR STRUCTURES AND STORM SEWERS PRIOR TO ORDERING MATERIAL.
4. ANY DAMAGED FRAMES OR LIDS SHALL BE REPLACED.
5. SEE GENERAL NOTES SHEET FOR ADDITIONAL NOTES.

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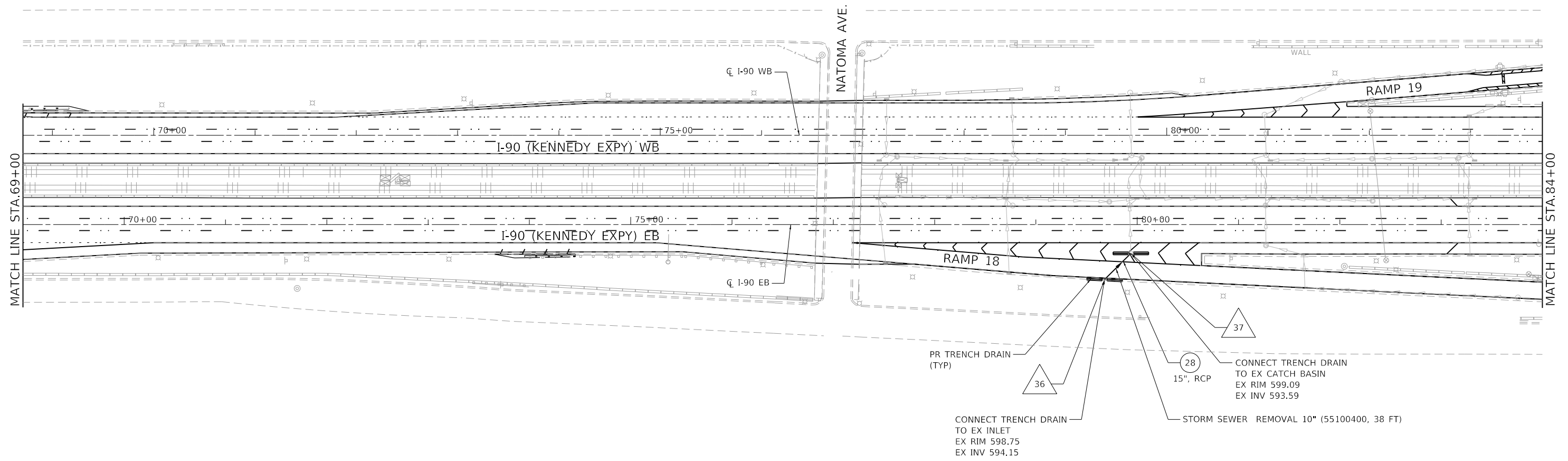
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PLAN
I-90 (IL. RTE. 43 - I-94)**

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

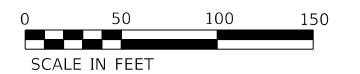
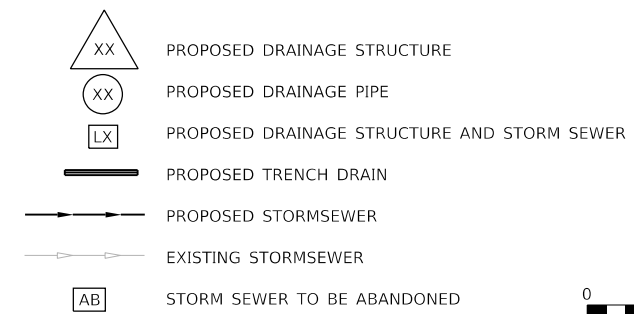
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	72
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



DRAINAGE STRUCTURE SCHEDULE

STRUC NO	ALIGNMENT	STATION	OFFSET	RIM	INVERTS				EXISTING STRUCTURE	60200105 CATCH BASIN, TYPE A, 4' DIA, TYPE 1 F, OPEN LID	60218400 MANHOLE, TYPE A, 4' DIA, TYPE 1 F, CLOSED LID	60237420 INLETS, TYPE A, TYPE 20 F&G	REMARKS
					N	S	E	W					
36	I-90 EB	79+67.70	54.29 RT	598.75	594.15				1				ADJUST RIM AND INVERTS TO MATCH EXISTING CONDITIONS
37	I-90 EB	79+93.76	28.49 RT	599.09		593.59			1				ADJUST RIM AND INVERTS TO MATCH EXISTING CONDITIONS

DRAINAGE LEGEND



NOTES:

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- CONTRACTOR SHALL VERIFY ALL EXISTING AND PROPOSED RIM ELEVATIONS, INVERT ELEVATIONS, AND PIPE LENGTHS FOR STRUCTURES AND STORM SEWERS PRIOR TO ORDERING MATERIAL.
- ANY DAMAGED FRAMES OR LIDS SHALL BE REPLACED.
- SEE GENERAL NOTES SHEET FOR ADDITIONAL NOTES.

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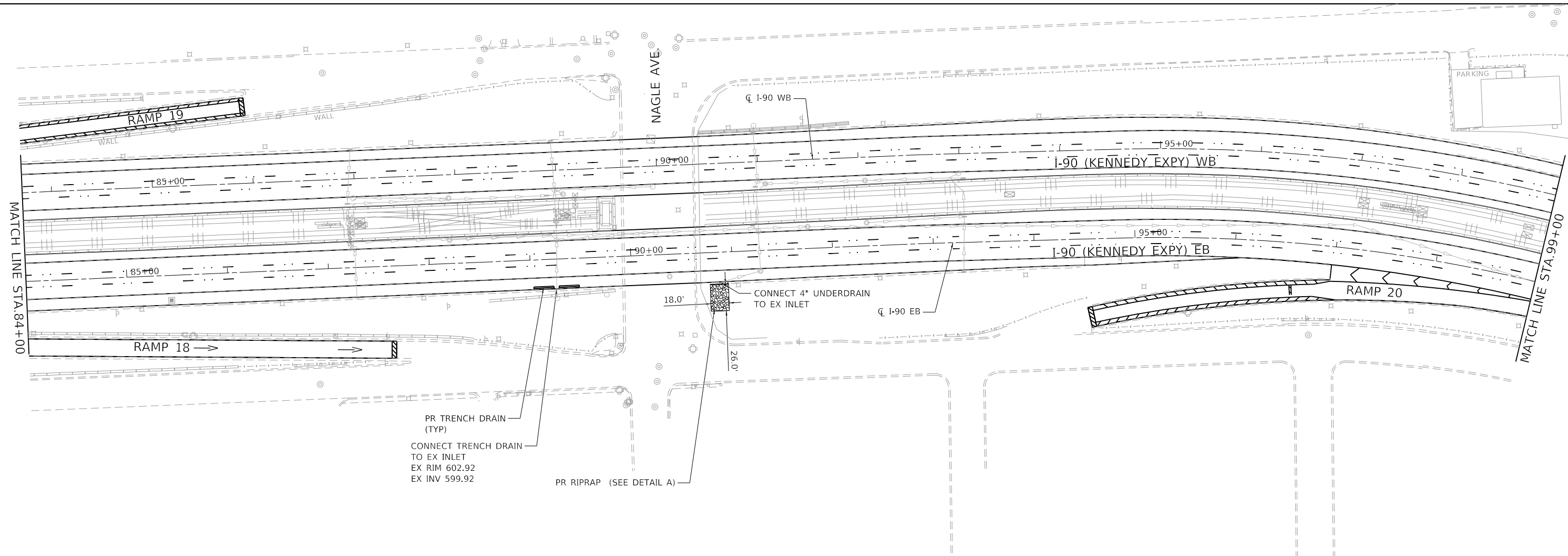
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PLAN
I-90 (IL. RTE. 43 - I-94)**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	73
CONTRACT NO. 62J59			ILLINOIS FED. AID PROJECT	



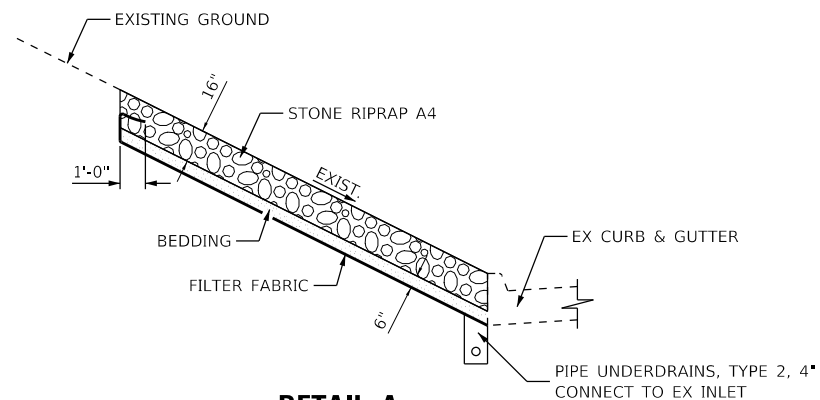
DRAINAGE LEGEND

- PROPOSED DRAINAGE STRUCTURE
- PROPOSED DRAINAGE PIPE
- PROPOSED DRAINAGE STRUCTURE AND STORM SEWER
- PROPOSED TRENCH DRAIN
- PROPOSED STORMSEWER
- EXISTING STORMSEWER
- STORM SEWER TO BE ABANDONED



NOTES:

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4. ANY DAMAGED FRAMES OR LIDS SHALL BE REPLACED.
5. SEE GENERAL NOTES SHEET FOR ADDITIONAL NOTES.



DETAIL A

PAID AS RIPRAP, CLASS A4 (28100107, 52 SQ YD)

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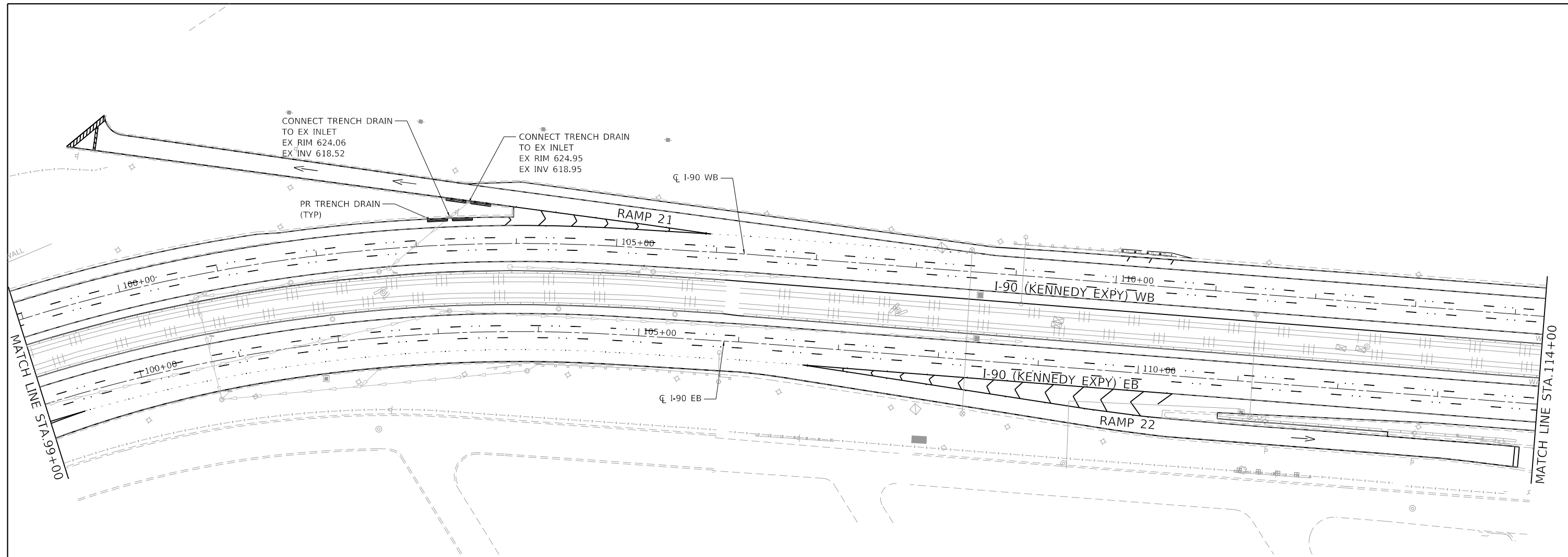
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PLAN
I-90 (IL. RTE. 43 - I-94)**








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

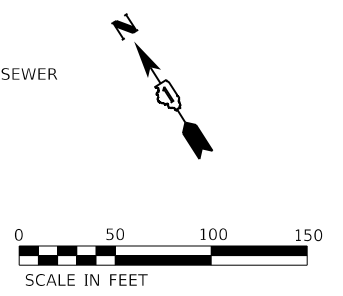
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90	2019-082-RS&T	COOK	119	74
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

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DRAINAGE LEGEND

-  PROPOSED DRAINAGE STRUCTURE
-  PROPOSED DRAINAGE PIPE
-  PROPOSED DRAINAGE STRUCTURE AND STORM SEWER
-  PROPOSED TRENCH DRAIN
-  PROPOSED STORMSEWER
-  EXISTING STORMSEWER
-  STORM SEWER TO BE ABANDONED



NOTES:

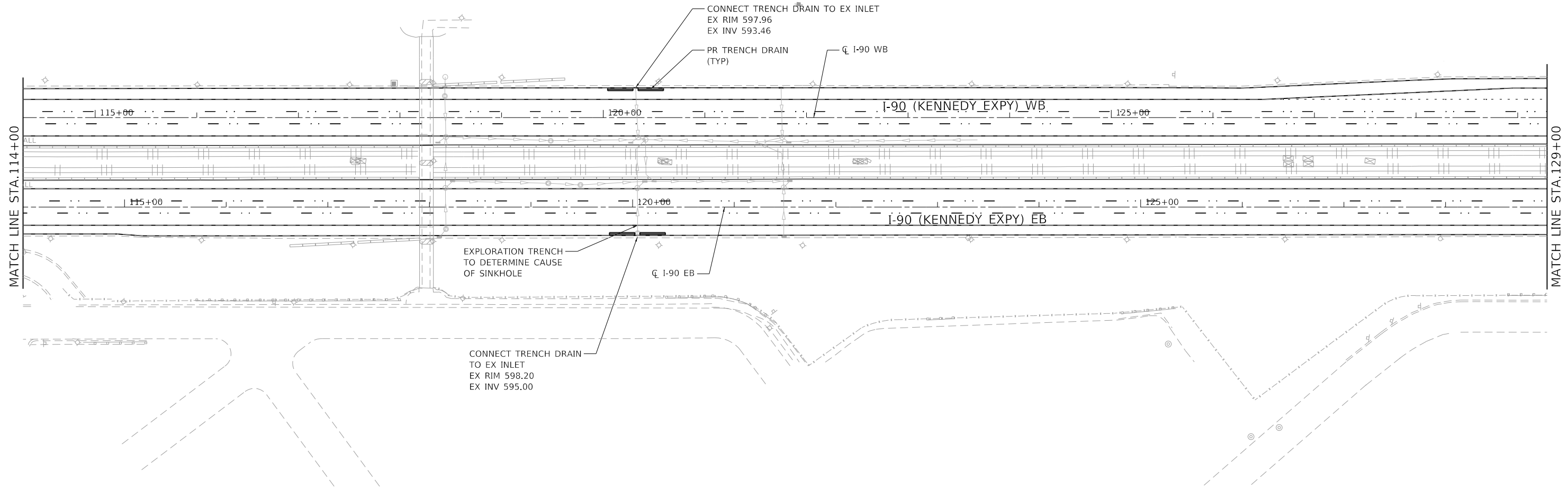
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






**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

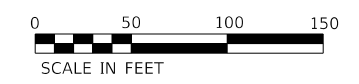
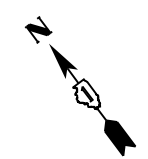
DRAINAGE PLAN			
I-90 (IL. RTE. 43 - I-94)			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	75
CONTRACT NO. 62J59			ILLINOIS FED. AID PROJECT	



DRAINAGE LEGEND

-  PROPOSED DRAINAGE STRUCTURE
-  PROPOSED DRAINAGE PIPE
-  PROPOSED DRAINAGE STRUCTURE AND STORM SEWER
-  PROPOSED TRENCH DRAIN
-  PROPOSED STORMSEWER
-  EXISTING STORMSEWER
-  STORM SEWER TO BE ABANDONED



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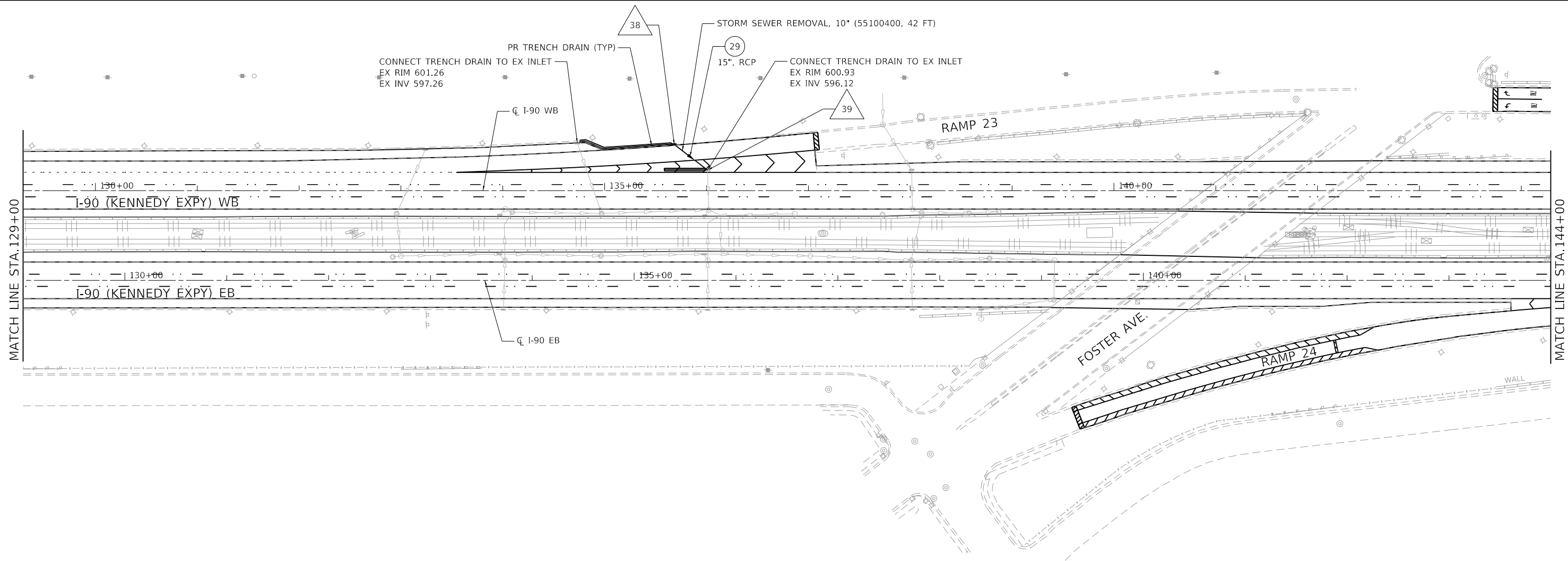
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PLAN
I-90 (IL. RTE. 43 - I-94)**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	76
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



DRAINAGE STRUCTURE SCHEDULE

STRUC NO	ALIGNMENT	STATION	OFFSET	RIM	INVERTS				EXISTING STRUCTURE	60200105	60218400	60237420	REMARKS
					CATCH BASIN, TYPE A, 4' DIA, TYPE 1 F, OPEN LID	MANHOLE, TYPE A, 4' DIA, TYPE 1 F, CLOSED LID	INLETS, TYPE A, TYPE 20 F&G	N		S	E	W	
38	I-90 WB	135+68.29	45.37 LT	601.03			596.53				1	ADJUST RIM AND INVERTS TO MATCH EXISTING CONDITIONS	
39	I-90 WB	136+01.06	20.17 LT	600.93	596.12				1			ADJUST RIM AND INVERTS TO MATCH EXISTING CONDITIONS	

DRAINAGE LEGEND

- PROPOSED DRAINAGE STRUCTURE
- PROPOSED DRAINAGE PIPE
- PROPOSED DRAINAGE STRUCTURE AND STORM SEWER
- PROPOSED TRENCH DRAIN
- PROPOSED STORMSEWER
- EXISTING STORMSEWER
- STORM SEWER TO BE ABANDONED



NOTES:

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- CONTRACTOR SHALL VERIFY ALL EXISTING AND PROPOSED RIM ELEVATIONS, INVERT ELEVATIONS, AND PIPE LENGTHS FOR STRUCTURES AND STORM SEWERS PRIOR TO ORDERING MATERIAL.
- ANY DAMAGED FRAMES OR LIDS SHALL BE REPLACED.
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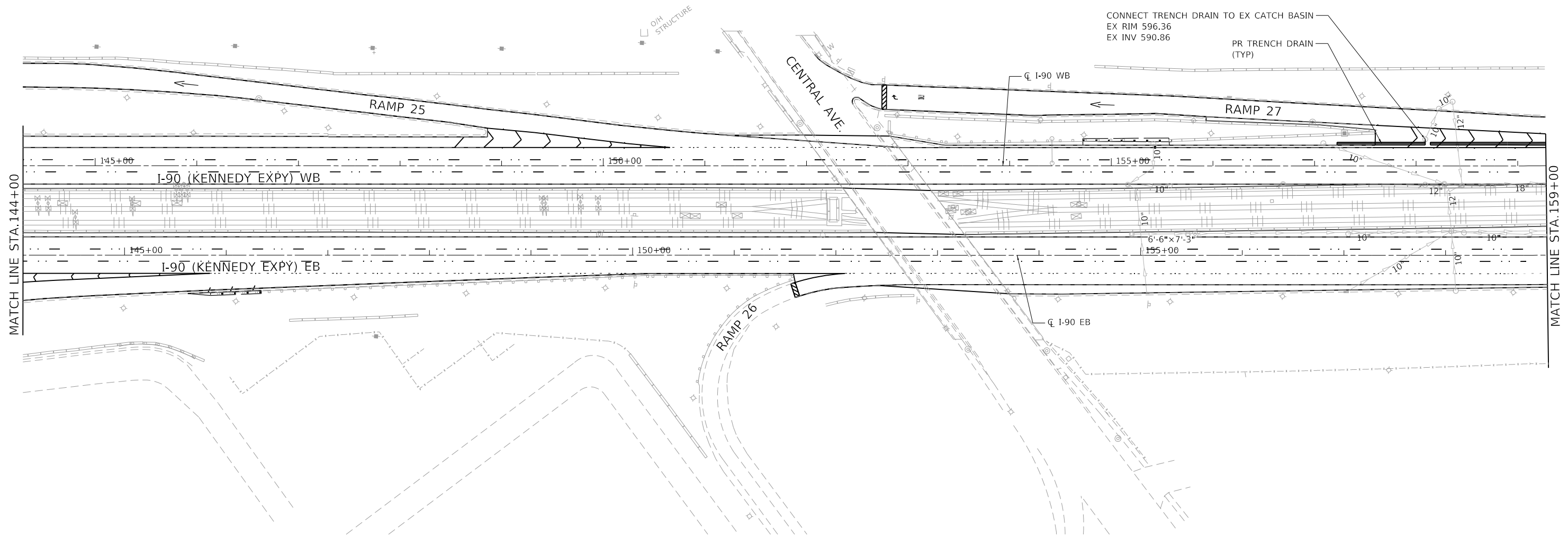
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

**DRAINAGE PLAN
I-90 (IL. RTE. 43 - I-94)**








F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	77
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

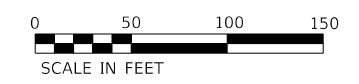
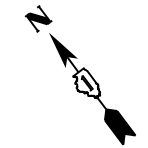


MATCH LINE STA. 144+00

MATCH LINE STA. 159+00

DRAINAGE LEGEND

-  PROPOSED DRAINAGE STRUCTURE
-  PROPOSED DRAINAGE PIPE
-  PROPOSED DRAINAGE STRUCTURE AND STORM SEWER
-  PROPOSED TRENCH DRAIN
-  PROPOSED STORMSEWER
-  EXISTING STORMSEWER
-  STORM SEWER TO BE ABANDONED



NOTES:

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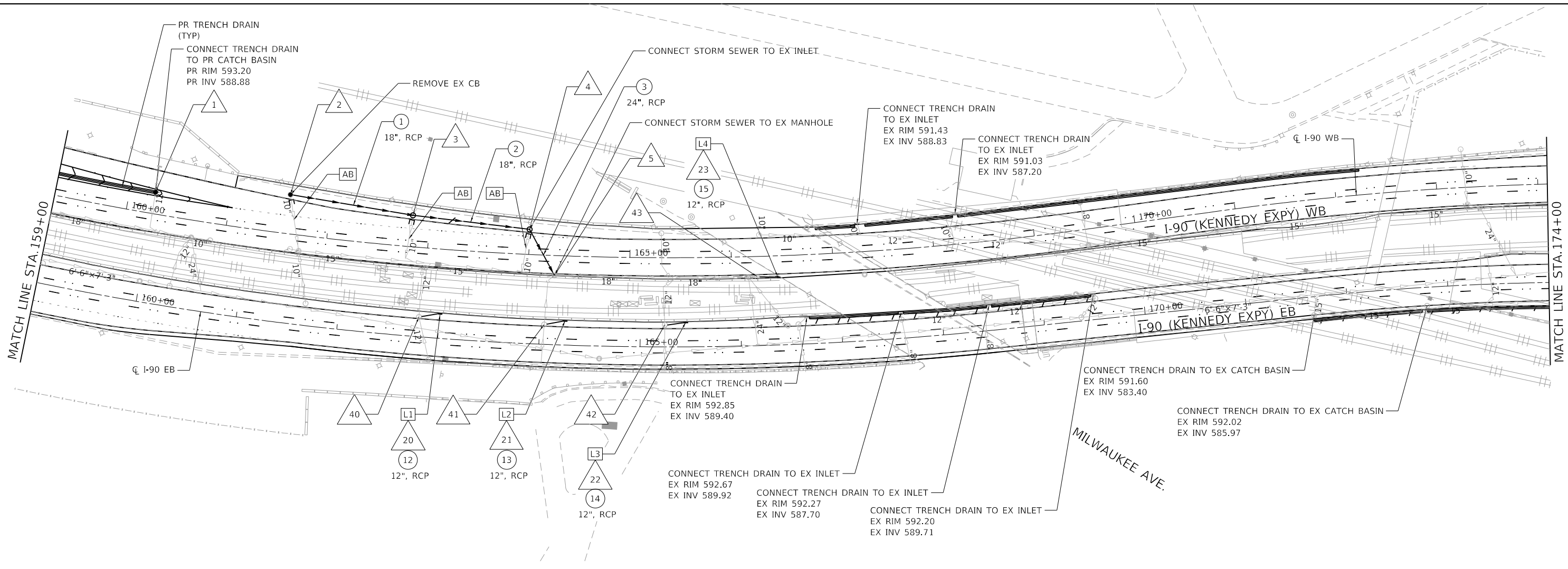
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PLOT DATE = 1/30/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PLAN
I-90 (IL. RTE. 43 - I-94)**

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

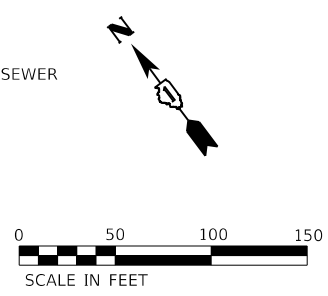
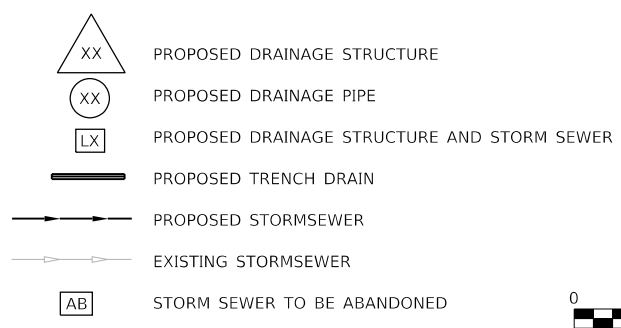
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	78
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



DRAINAGE STRUCTURE SCHEDULE

STRUC NO	ALIGNMENT	STATION	OFFSET	RIM	INVERTS				EXISTING STRUCTURE	60200105 CATCH BASIN, TYPE A, 4' DIA, TYPE 1 F, OPEN LID	60218400 MANHOLE, TYPE A, 4' DIA, TYPE 1 F, CLOSED LID	60237420 INLETS, TYPE A, TYPE 20 F&G	REMARKS
					N	S	E	W					
1	I-90 WB	160+25.00	21.29 LT	FIELD VERIFY	589.00	589.00				1			BUILD ON EXISTING SEWER, MATCH EXISTING INVERTS
2	I-90 WB	161+59.03	38.68 LT	592.89	590.79		588.88			1			CONNECT EXISTING INLET
3	I-90 WB	162+82.88	31.07 LT	592.69	590.49		588.30	588.30			1		CONNECT EXISTING INLET
4	I-90 WB	164+00.00	24.77 LT	592.63	589.85	587.75		587.75			1		CONNECT EXISTING INLET
5	I-90 WB	164+26.18	19.66 RT	594.06	587.50	587.24	587.16	587.16	1				ADJUST RIM AND INVERTS TO MATCH EXISTING CONDITIONS
6													NOT USED
20	I-90 EB	163+00.32	24.34 LT	594.91				591.91			1		L1 - SEE DRAINAGE STRUCTURE AND STORM SEWER DETAIL
21	I-90 EB	164+25.03	23.86 LT	594.44				591.44			1		L2 - SEE DRAINAGE STRUCTURE AND STORM SEWER DETAIL
22	I-90 EB	165+45.08	24.04 LT	594.03				591.03			1		L3 - SEE DRAINAGE STRUCTURE AND STORM SEWER DETAIL
23	I-90 WB	166+45.18	20.94 RT	593.52				590.52			1		L4 - SEE DRAINAGE STRUCTURE AND STORM SEWER DETAIL
40	I-90 EB	162+79.91	19.58 LT	594.82	590.13	590.21	591.83		1				ADJUST RIM AND INVERTS TO MATCH EXISTING CONDITIONS
41	I-90 EB	164+04.51	19.61 LT	594.29	588.09	588.79	591.36	589.39	1				ADJUST RIM AND INVERTS TO MATCH EXISTING CONDITIONS
42	I-90 EB	165+24.42	21.74 LT	593.96	587.36	588.11	590.95		1				ADJUST RIM AND INVERTS TO MATCH EXISTING CONDITIONS
43	I-90 WB	166+25.01	19.96 RT	593.52	587.20	586.10	590.44		1				ADJUST RIM AND INVERTS TO MATCH EXISTING CONDITIONS

DRAINAGE LEGEND



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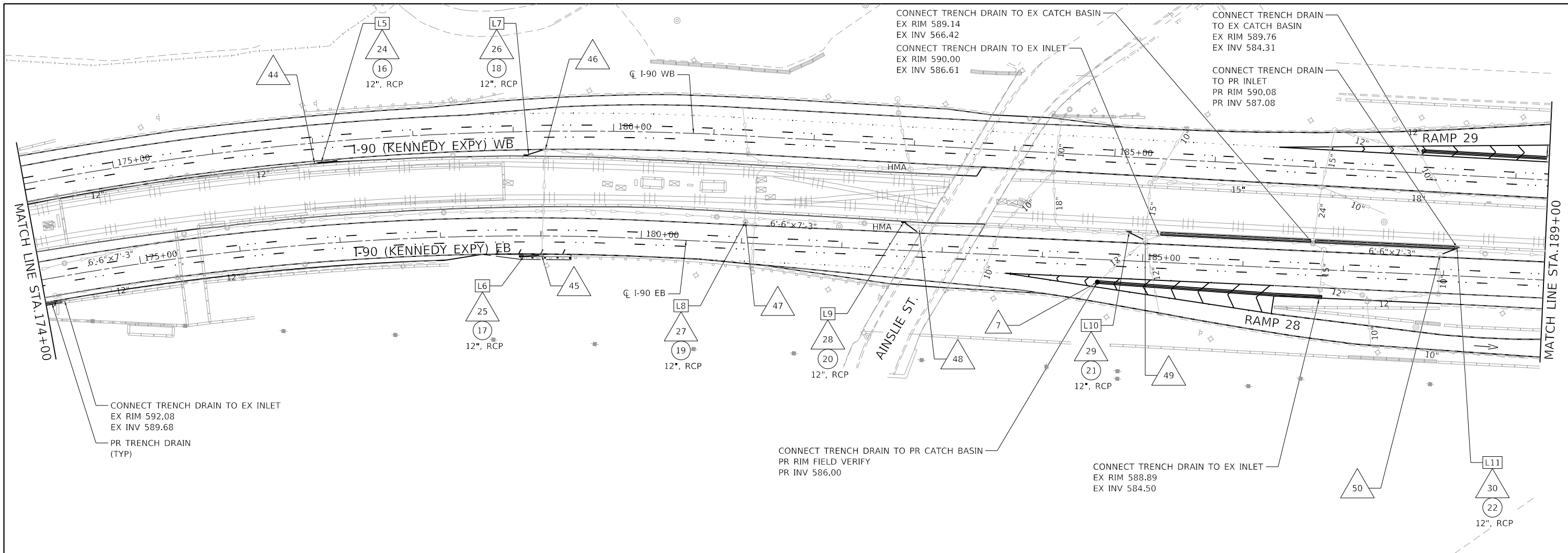
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PLOT DATE = 1/30/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE PLAN		F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-90 (IL. RTE. 43 - I-94)		90	2019-082-RS&T	COOK	119	79
SCALE: 1"=50'	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 62J59			

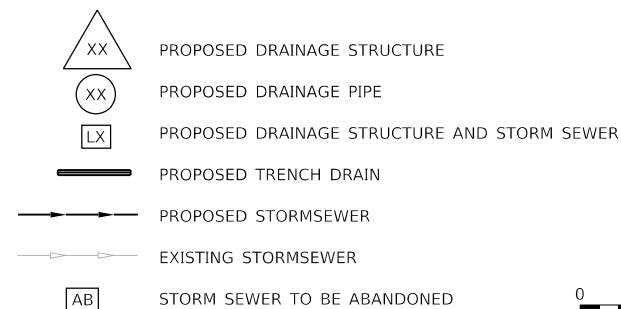
ILLINOIS FED. AID PROJECT	
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DRAINAGE STRUCTURE SCHEDULE

STRUC NO	ALIGNMENT	STATION	OFFSET	RIM	INVERTS				EXISTING STRUCTURE	60200105	60218400	60237420	REMARKS
					N	S	E	W		CATCH BASIN, TYPE A, 4' DIA, TYPE 1 F, OPEN LID	MANHOLE, TYPE A, 4' DIA, TYPE 1 F, CLOSED LID	INLETS, TYPE A, TYPE 20 F&G	
7	I-90 EB	184+55.00	22.57 RT	FIELD VERIFY			586.00	586.00		1			BUILD ON EXISTING SEWER, MATCH EXISTING INVERTS
24	I-90 WB	177+06.82	19.68 RT	595.89				592.89			1		L5 - SEE DRAINAGE STRUCTURE AND STORM SEWER DETAIL
25	I-90 EB	179+01.04	19.16 RT	594.30				591.30			1		L6 - SEE DRAINAGE STRUCTURE AND STORM SEWER DETAIL
26	I-90 WB	179+32.90	24.09 RT	595.82				592.82			1		L7 - SEE DRAINAGE STRUCTURE AND STORM SEWER DETAIL
27	I-90 EB	181+03.05	21.18 LT	594.15				591.15			1		L8 - SEE DRAINAGE STRUCTURE AND STORM SEWER DETAIL
28	I-90 EB	182+60.49	28.19 LT	592.72		589.72					1		L9 - SEE DRAINAGE STRUCTURE AND STORM SEWER DETAIL
29	I-90 EB	184+85.38	28.88 LT	589.76				587.30			1		L10 - SEE DRAINAGE STRUCTURE AND STORM SEWER DETAIL
30	I-90 EB	188+12.25	28.41 LT	589.76	586.76						1		L11 - SEE DRAINAGE STRUCTURE AND STORM SEWER DETAIL
44	I-90 WB	176+99.90	19.97 RT	595.84		592.81	591.33	590.52	1				ADJUST RIM AND INVERTS TO MATCH EXISTING CONDITIONS
45	I-90 EB	179+01.04	19.16 RT	593.93	591.22			591.22	1				ADJUST RIM AND INVERTS TO MATCH EXISTING CONDITIONS
46	I-90 WB	179+31.92	18.00 RT	595.83	588.38	588.43		595.74	1				ADJUST RIM AND INVERTS TO MATCH EXISTING CONDITIONS
47	I-90 EB	181+03.05	21.18 LT	593.84		598.04	588.92		1				ADJUST RIM AND INVERTS TO MATCH EXISTING CONDITIONS
48	I-90 EB	182+76.35	21.05 LT	592.61	587.16			589.64	1				ADJUST RIM AND INVERTS TO MATCH EXISTING CONDITIONS
49	I-90 EB	185+01.73	20.90 LT	590.40	586.57	584.00	584.21	583.91	1				ADJUST RIM AND INVERTS TO MATCH EXISTING CONDITIONS
50	I-90 EB	187+95.85	20.05 RT	589.86		585.76	587.48		1				ADJUST RIM AND INVERTS TO MATCH EXISTING CONDITIONS

DRAINAGE LEGEND



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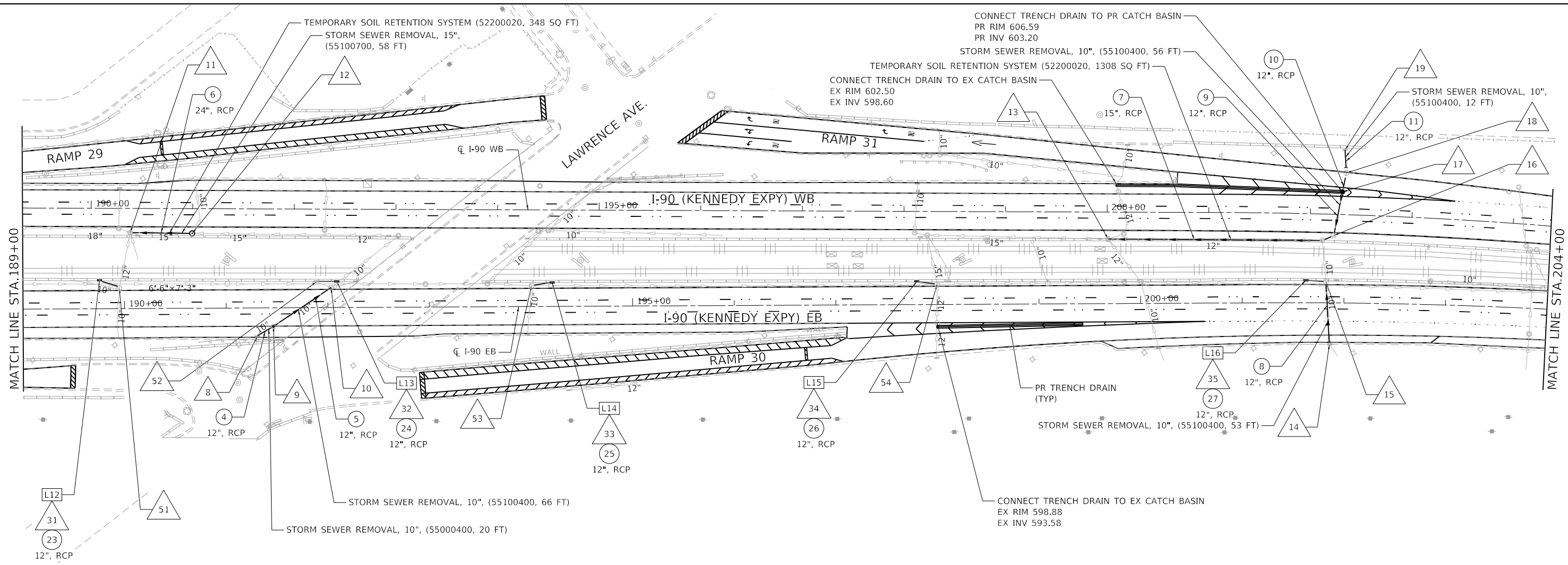
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PLOT DATE = 1/30/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PLAN
I-90 (IL. RTE. 43 - I-94)**

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

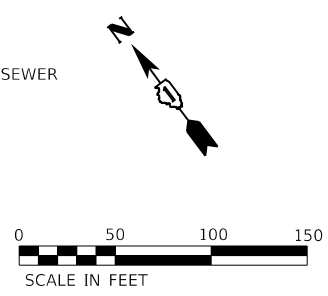
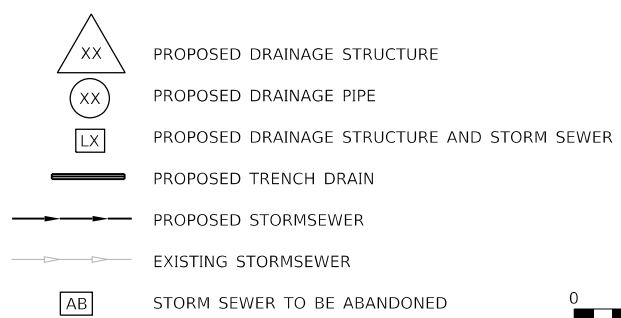
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	80
CONTRACT NO. 62J59			ILLINOIS FED. AID PROJECT	



DRAINAGE STRUCTURE SCHEDULE

STRUC NO	ALIGNMENT	STATION	OFFSET	RIM	INVERTS				EXISTING STRUCTURE	60200105	60218400	60237420	REMARKS
					CATCH BASIN, TYPE A, 4' DIA, TYPE 1 F, OPEN LID	MANHOLE, TYPE A, 4' DIA, TYPE 1 F, CLOSED LID	INLETS, TYPE A, TYPE 20 F&G	N		S	E	W	
8	I-90 EB	191+30.44	28.10 RT	591.70			588.70	588.70	1				ADJUST RIM AND INVERTS TO MATCH EXISTING CONDITIONS
9	I-90 EB	191+46.41	18.31 RT	592.20			586.20	586.20	1				ADJUST RIM AND INVERTS TO MATCH EXISTING CONDITIONS
10	I-90 EB	192+03.31	19.66 LT	591.69	586.77		586.27	586.29					ADJUST RIM AND INVERTS TO MATCH EXISTING CONDITIONS
11	I-90 WB	190+38.57	23.84 RT	590.95	585.77	588.40	586.00	585.75	1				ADJUST RIM AND INVERTS TO MATCH EXISTING CONDITIONS
12	I-90 WB	191+00.00	24.34 RT	591.70	586.70		586.70	586.70	1				ADJUST RIM AND INVERTS TO MATCH EXISTING CONDITIONS
13	I-90 WB	200+00.00	26.55 RT	602.52	595.22	595.33	594.87	594.72	1				BUILD ON EXISTING SEWER, MATCH EXISTING INVERTS
14	I-90 EB	201+86.10	40.88 RT	606.34	602.94						1		ADJUST RIM AND INVERTS TO MATCH EXISTING CONDITIONS
15	I-90 EB	201+82.18	20.91 LT	606.82	600.64	600.92	601.85	602.72	1				
16	I-90 WB	202+23.22	20.93 RT	606.95	600.71	603.44	602.80	600.45	1				
17	I-90 WB	202+30.89	22.27 LT	606.59	603.20	603.20				1			ADJUST RIM AND INVERTS TO MATCH EXISTING CONDITIONS
18	I-90 WB	202+34.00	41.09 LT	606.34	603.14	603.43			1				
19	I-90 WB	202+32.19	63.68 LT	606.16		603.56			1				
31	I-90 EB	189+75.35	27.73 LT	589.90	586.90						1		L12 - SEE DRAINAGE STRUCTURE AND STORM SEWER DETAIL
32	I-90 EB	192+08.87	25.84 LT	592.20				589.20			1		L13 - SEE DRAINAGE STRUCTURE AND STORM SEWER DETAIL
33	I-90 EB	194+20.85	23.77 LT	593.08				590.08			1		L14 - SEE DRAINAGE STRUCTURE AND STORM SEWER DETAIL
34	I-90 EB	197+79.83	22.66 LT	599.18		596.18					1		L15 - SEE DRAINAGE STRUCTURE AND STORM SEWER DETAIL
35	I-90 EB	201+62.43	22.04 LT	611.06		608.06					1		L16 - SEE DRAINAGE STRUCTURE AND STORM SEWER DETAIL
51	I-90 EB	189+94.95	20.05 RT	590.82	586.17	586.23	586.62	585.97	1				ADJUST RIM AND INVERTS TO MATCH EXISTING CONDITIONS
52	I-90 EB	191+88.41	26.01 LT	591.40	588.40	587.08		588.10	1				ADJUST RIM AND INVERTS TO MATCH EXISTING CONDITIONS
53	I-90 EB	194+00.71	20.65 LT	592.78	587.88	587.88	588.40	588.63	1				ADJUST RIM AND INVERTS TO MATCH EXISTING CONDITIONS
54	I-90 EB	197+99.61	19.67 LT	599.18				596.10	1				ADJUST RIM AND INVERTS TO MATCH EXISTING CONDITIONS

DRAINAGE LEGEND



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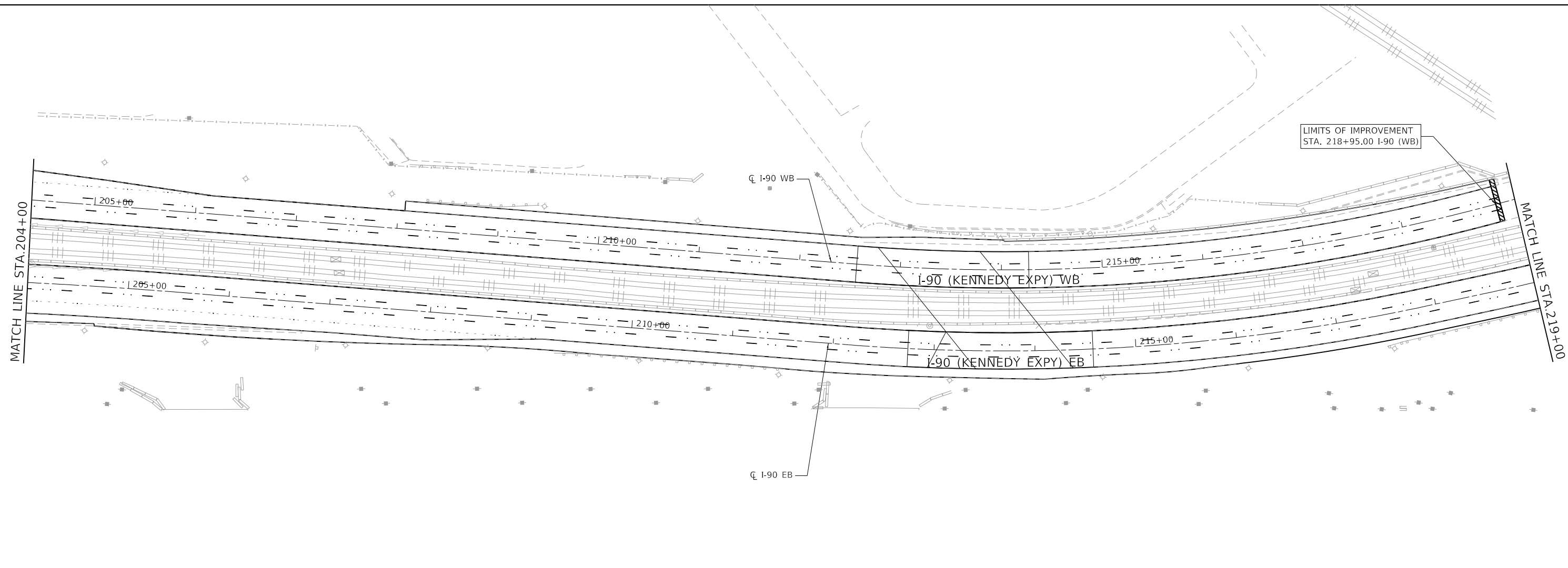
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**








**DRAINAGE PLAN
I-90 (IL. RTE. 43 - I-94)**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	81
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



DRAINAGE LEGEND

-  PROPOSED DRAINAGE STRUCTURE
-  PROPOSED DRAINAGE PIPE
-  PROPOSED DRAINAGE STRUCTURE AND STORM SEWER
-  PROPOSED TRENCH DRAIN
-  PROPOSED STORMSEWER
-  EXISTING STORMSEWER
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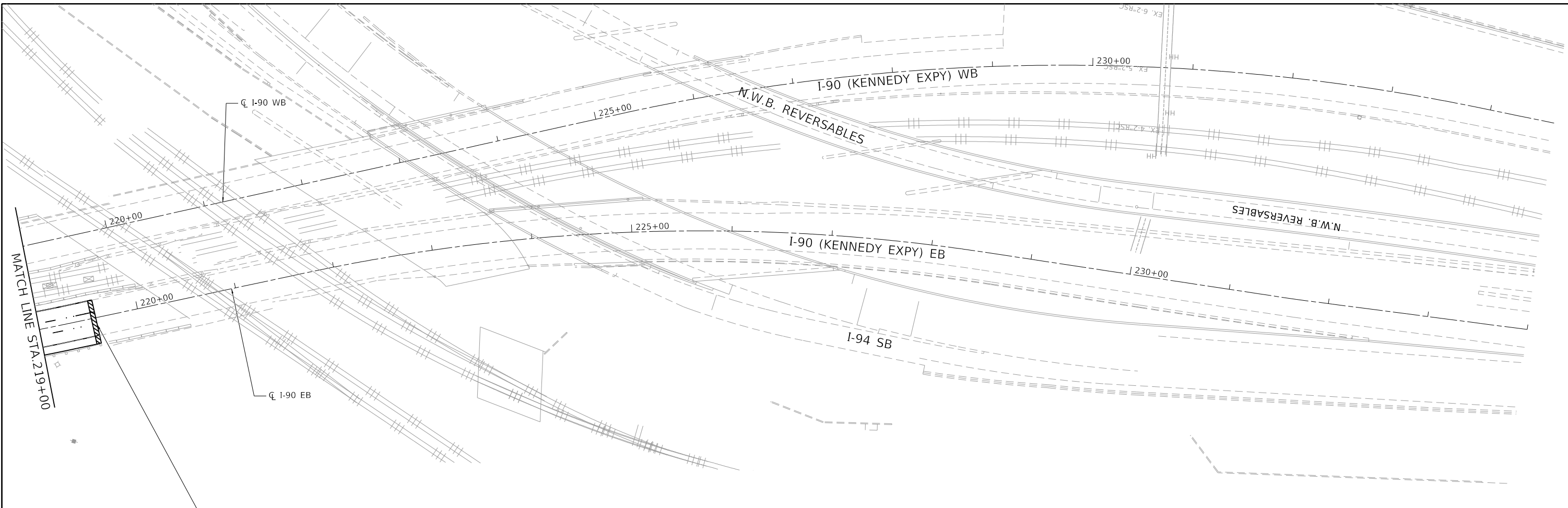
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**








**DRAINAGE PLAN
I-90 (IL. RTE. 43 - I-94)**

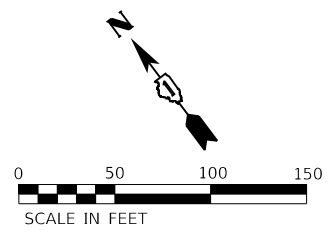
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F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	82
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



DRAINAGE LEGEND

-  PROPOSED DRAINAGE STRUCTURE
-  PROPOSED DRAINAGE PIPE
-  PROPOSED DRAINAGE STRUCTURE AND STORM SEWER
-  PROPOSED TRENCH DRAIN
-  PROPOSED STORMSEWER
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-  STORM SEWER TO BE ABANDONED



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4. ANY DAMAGED FRAMES OR LIDS SHALL BE REPLACED.
5. SEE GENERAL NOTES SHEET FOR ADDITIONAL NOTES.

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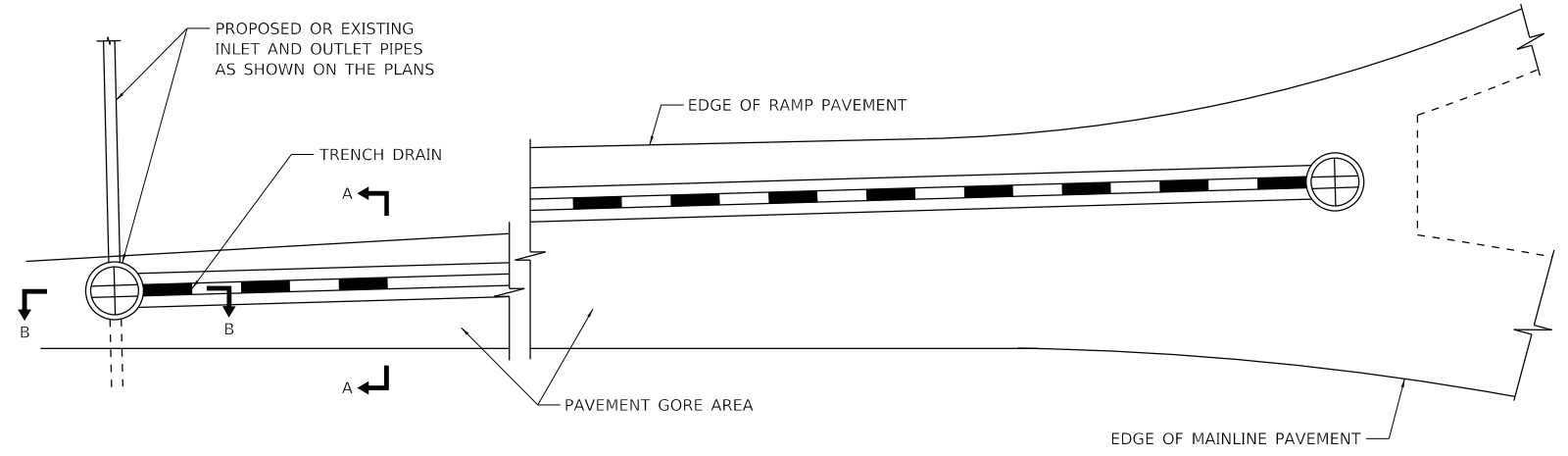
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PLOT DATE = 1/30/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PLAN
I-90 (IL. RTE. 43 - I-94)**

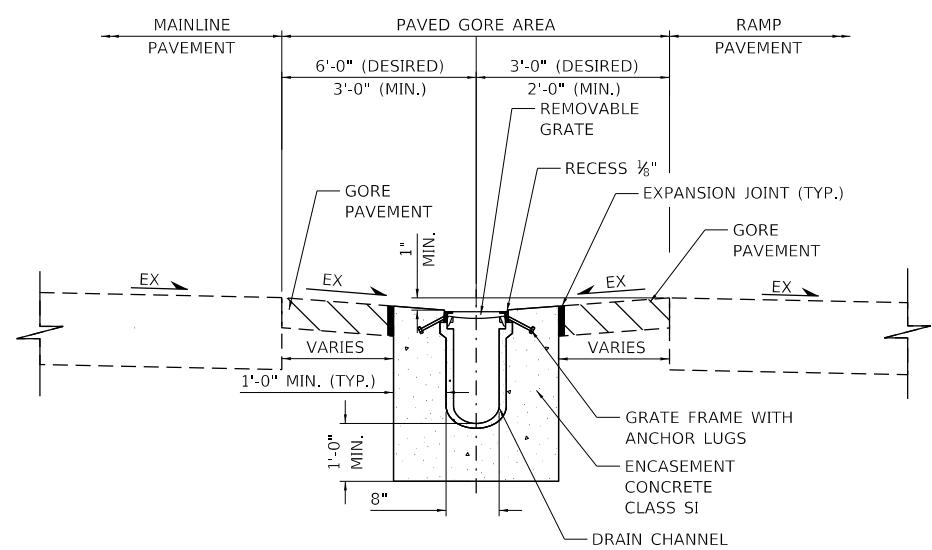
SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	83
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

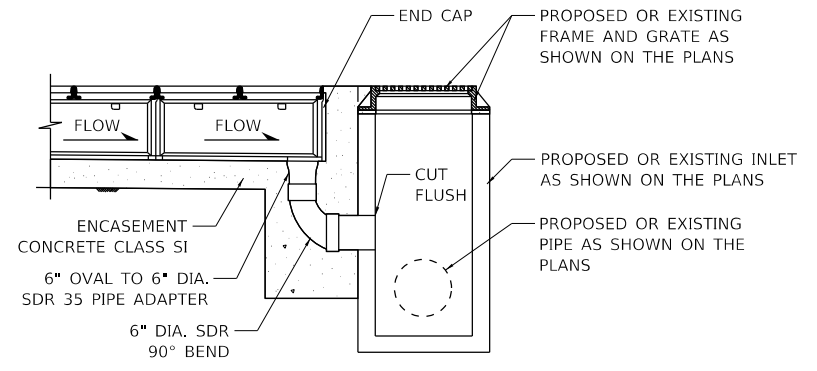


PLAN

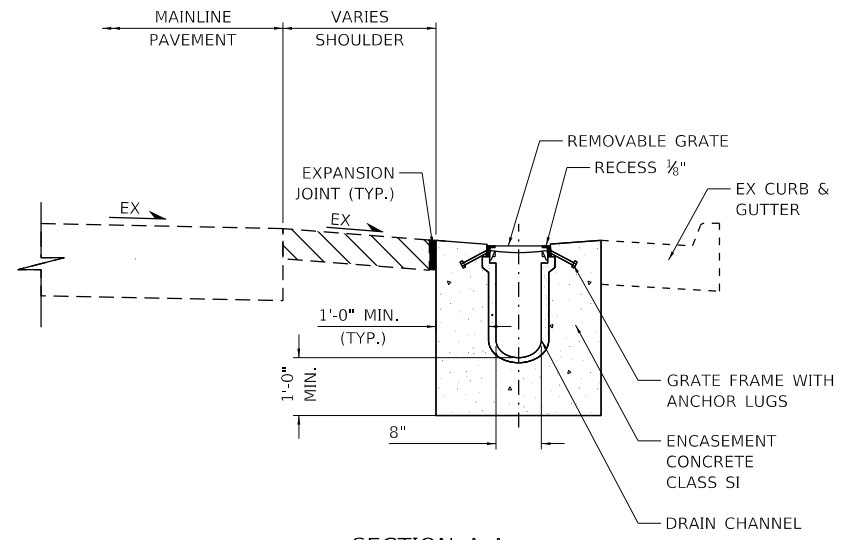
- NOTES:
1. OUTLET PIPES AND PREFORMED CHANNEL INVERTS SHALL BE SLOPED AT 0.6% OR STEEPER TOWARD OUTLET REGARDLESS OF THE SURFACE SLOPE.
 2. MINIMUM TRENCH DRAIN DEPTH IS 1'-0".
 3. TRENCH DRAINS SHALL BE CONNECTED TO EXISTING OR PROPOSED DRAINAGE STRUCTURES. CONNECTION IS INCLUDED IN COST OF TRENCH DRAIN.
 4. TRENCH EXCAVATION MUST ALLOW FOR A MINIMUM OF 12 INCHES OF CONCRETE TO BE PLACED UNDER AND ALONGSIDE THE TRENCH DRAIN CHANNEL SYSTEM.
 5. THE FINISHED LEVEL OF CONCRETE SHALL BE APPROXIMATELY 1/8" ABOVE THE TOP OF THE DRAIN CHANNEL.
 6. TRENCH DRAINS SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS DETAILS AND SPECIFICATIONS.
 7. PROVIDE 1" EXPANSION JOINT WITH PREFORMED JOINT FILLER BETWEEN PAVED SHOULDER AND TRENCH DRAIN ENCASEMENT.



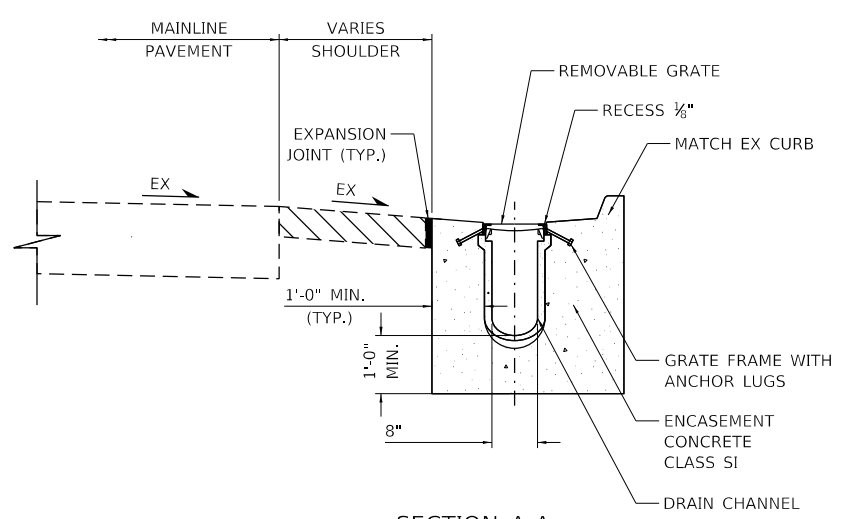
SECTION A-A
TRENCH DRAIN INSTALLATION IN GORE



SECTION B-B
PIPE OUTLET TO DRAINAGE STRUCTURE



SECTION A-A
TRENCH DRAIN INSTALLATION ADJACENT TO CURB AND GUTTER



SECTION A-A
TRENCH DRAIN INSTALLATION REPLACING EXISTING COMBINATION CURB AND GUTTER

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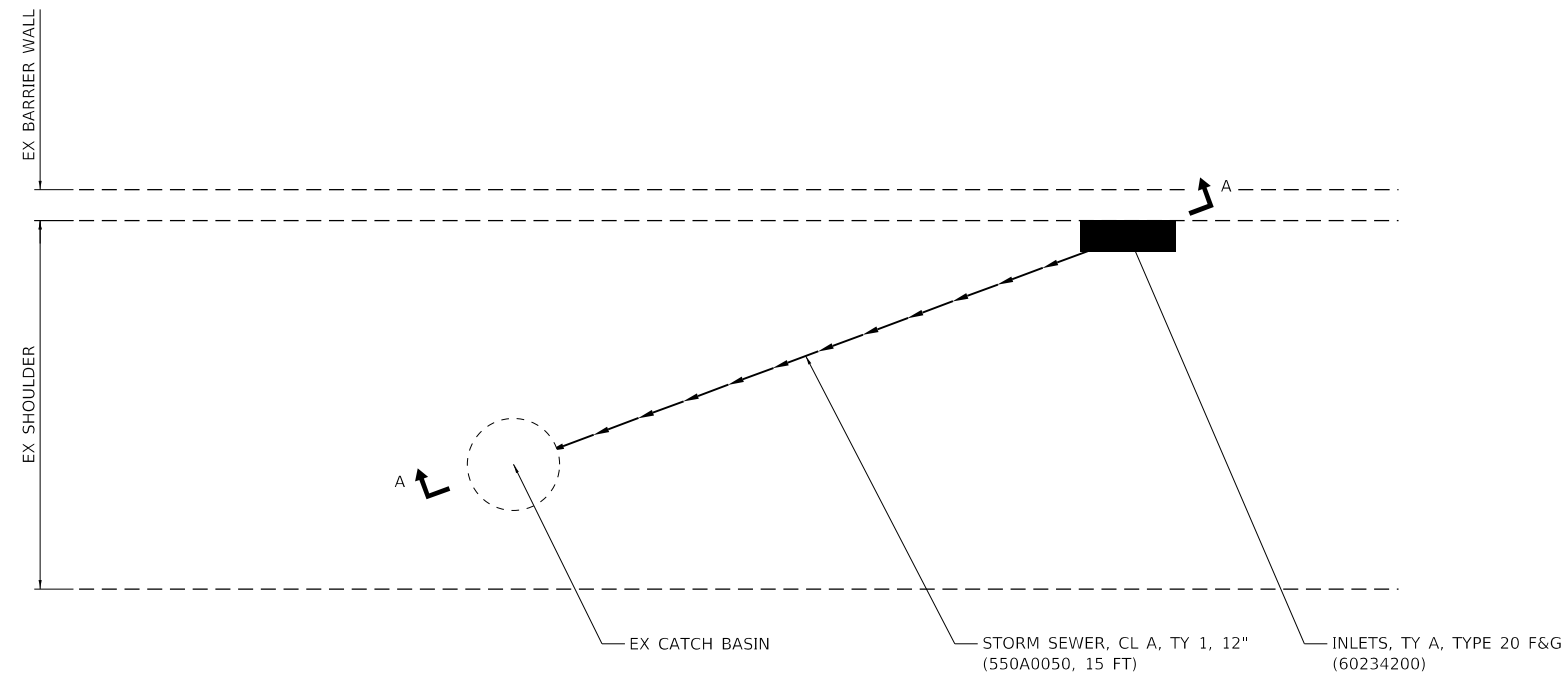
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

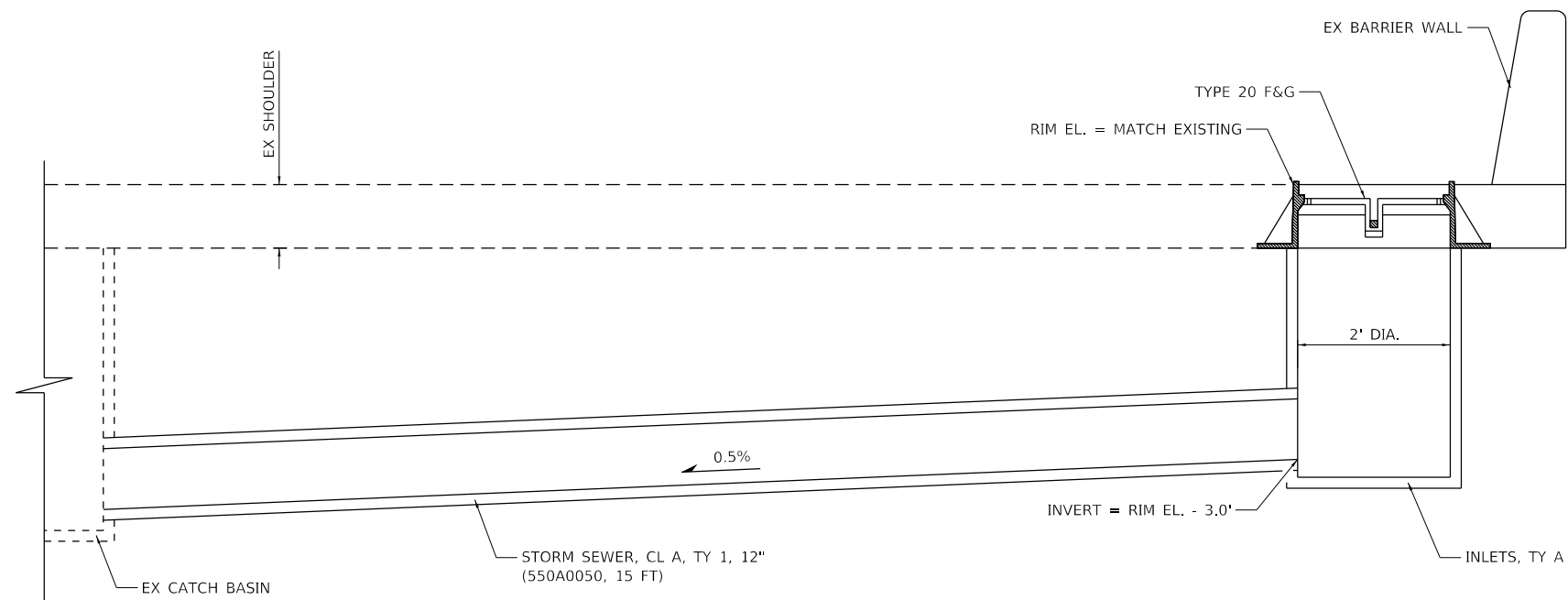
TRENCH DRAIN DETAILS

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	84
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



DETAIL



SECTION A-A

NOTES:

1. THIS DETAIL APPLIES TO LOCATIONS L1 THROUGH L16. SEE DRAINAGE PLANS FOR LOCATION.
2. LOCATION IS BASED UPON RECORD DRAWINGS. ADJUST LOCATION BASED UPON FIELD CONDITIONS.
3. RIM AND INVERT ELEVATIONS ARE BASED UPON RECORD DRAWINGS. ADJUST ELEVATIONS BASED UPON FIELD CONDITIONS.

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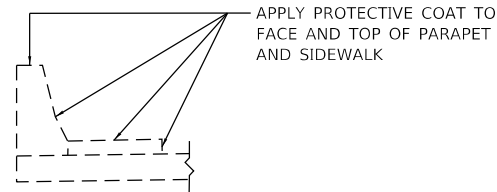
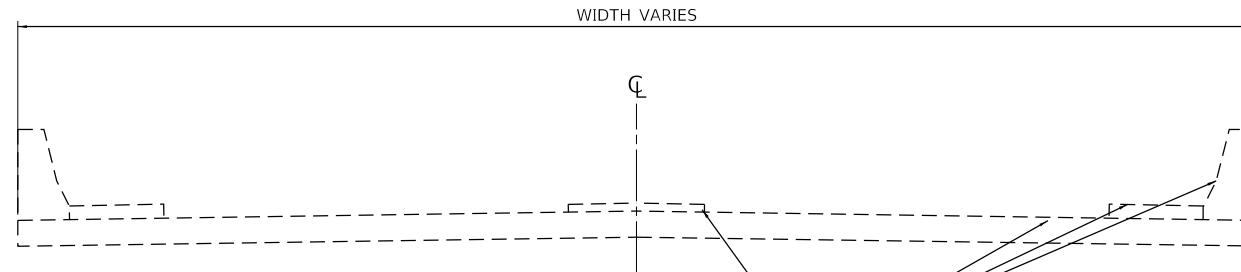
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PLOT DATE = 1/30/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED DRAINAGE STRUCTURE
AND STORM SEWER DETAILS**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	85
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				



APPLY PROTECTIVE COAT TO BRIDGE DECK,
SIDEWALK, MEDIAN, FACE OF PARAPET,
AND TOP OF PARAPET

NOTE:

IN CASES OF A SHORTER PARAPET WITH ATTACHED RAIL,
THE ABOVE APPLICATION METHOD WILL STILL APPLY.

STRUCTURE SCHEDULE

STRUCTURE NUMBER	FACILITY CARRIED	FEATURE CROSSED	BRIDGE DECK LENGTH	BRIDGE DECK WIDTH	BRIDGE DECK AREA	BRIDGE SIDEWALK AREA	BRIDGE PARAPET AREA	X5870015 BRIDGE DECK CONCRETE SEALER	50600200 PAINTING STEEL RAILING	59200101 BRIDGE WASHING NO. 1
			FOOT	FOOT	SQ FT	SQ FT	SQ FT	SQ FT	FOOT	EACH
016-0836	Lawrence Ave	I-90	356.4	59.0	21018.1	2733.3	1247.3	24999		
016-1105	Ainslie St	I-90	299.6	35.7	10699.1	2298.0	1048.6	14046		1
016-1107	Milwaukee Ave	I-90	259.8	46.0	11956.5	1992.7	909.3	14859		
016-0659	Central Ave	I-90	253.9	50.7	12865.1	1947.0	888.5	15701		
016-0708	Nagle Ave	I-90	154.4	75.3	11620.9	1184.5	540.5	13346		
016-1106	Natoma Ave	I-90	234.6	28.4	6658.9	1799.0	820.9	9279		
016-1104	Sayre Ave	I-90	232.4	48.4	11259.4	1782.8	813.5	13856		
016-0309	IL 43 (Harlem Ave)	I-90	195.2	73.3	14298.2	1497.0	683.1	16479	392	
TOTAL								122565	392	1

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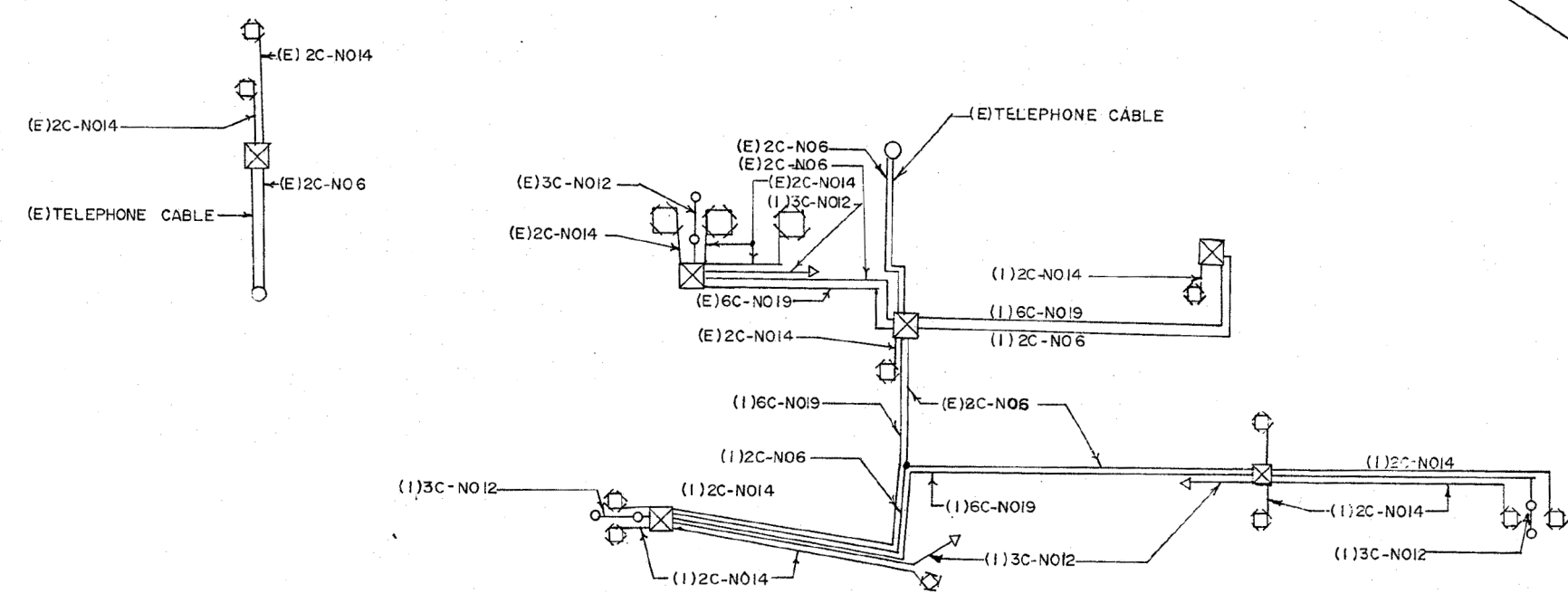
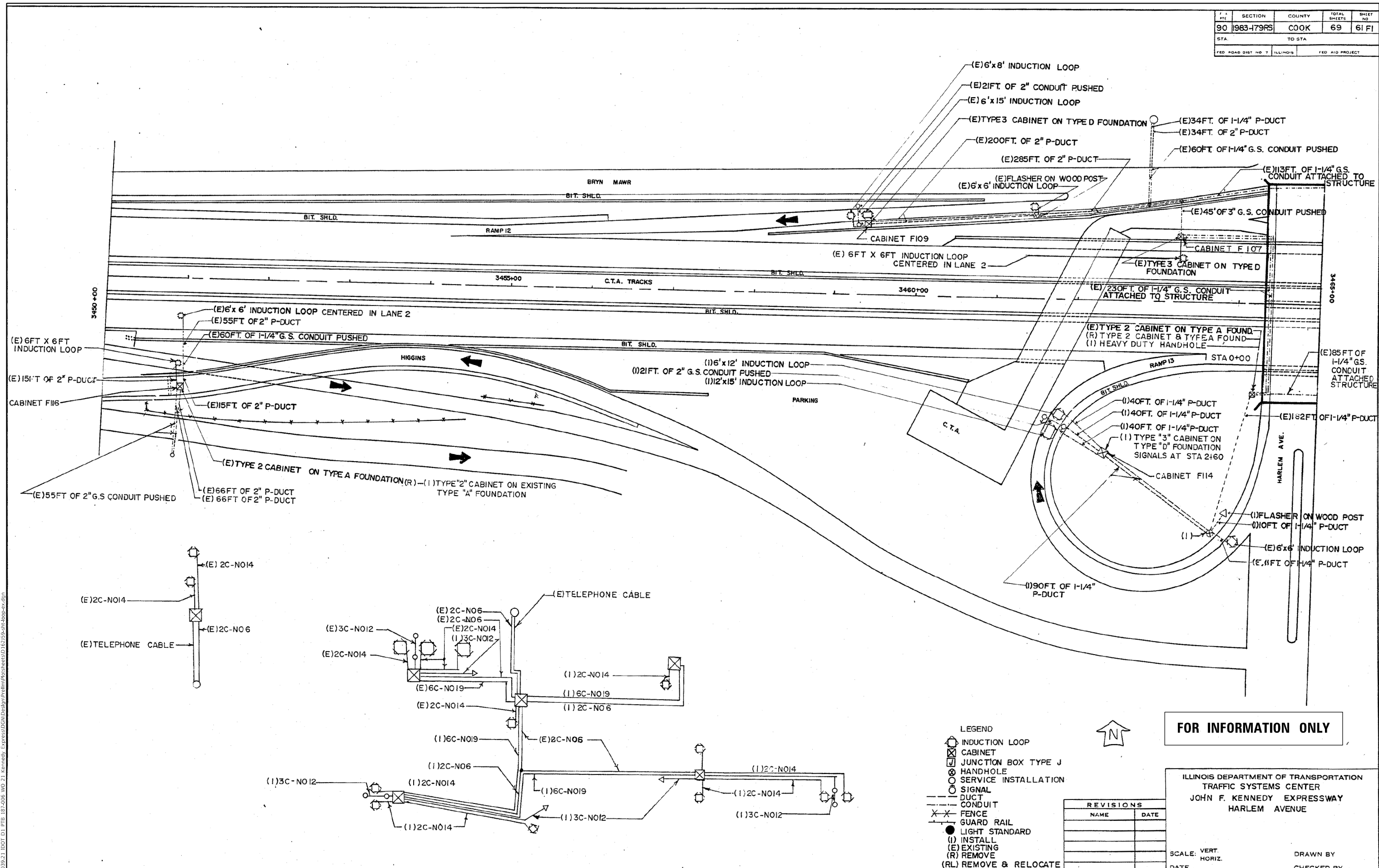
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL BRIDGE DECK SECTION

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	86
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90 1983-179RS	COOK	69	61 F1
STA.	TO STA.		



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PLOT DATE = 1/30/2020	DATE - 10/5/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INDUCTION LOOP PLANS

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

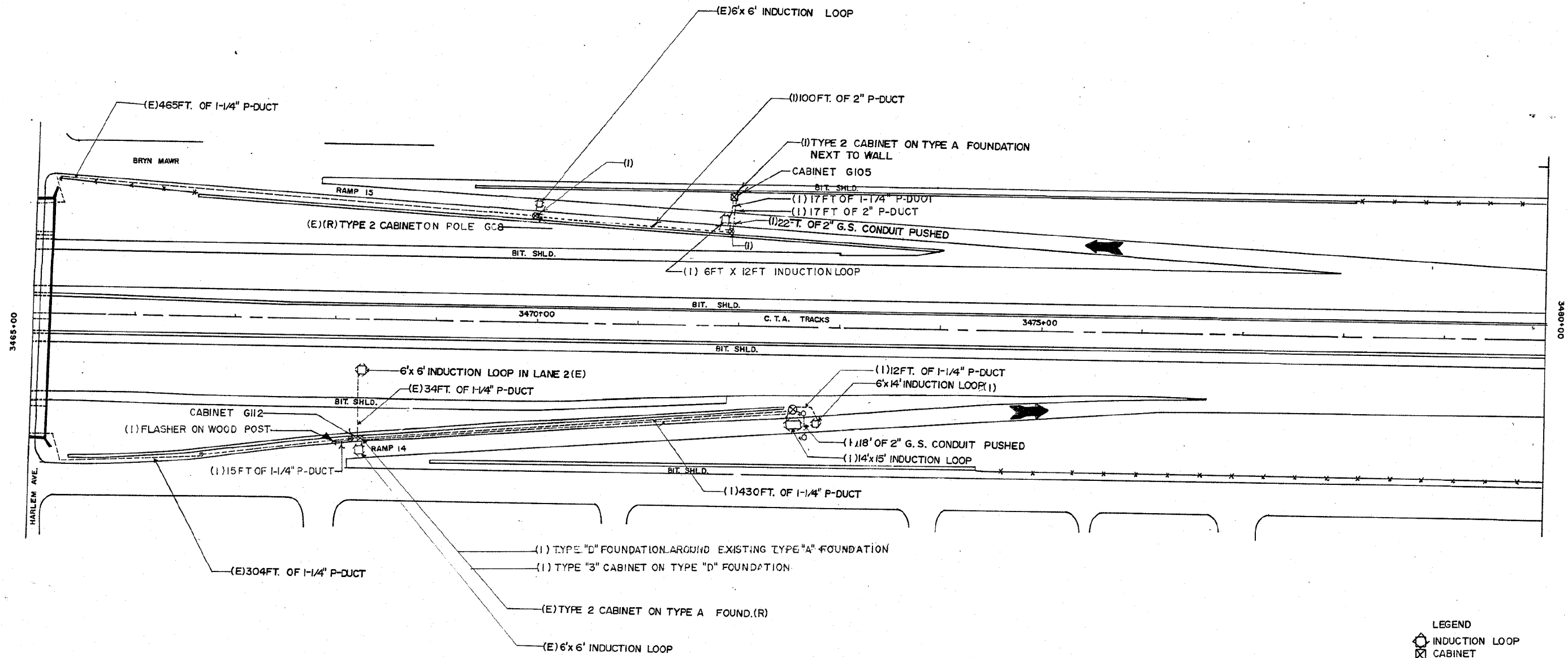
FOR INFORMATION ONLY

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC SYSTEMS CENTER
 JOHN F. KENNEDY EXPRESSWAY
 HARLEM AVENUE

REVISIONS	
NAME	DATE

SCALE: VERT. HORIZ. DRAWN BY CHECKED BY

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	87
				CONTRACT NO. 62159
		ILLINOIS	FED. AID PROJECT	



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- LEGEND**
- INDUCTION LOOP
 - CABINET
 - ⊕ JUNCTION BOX TYPE J
 - HANDHOLE
 - SERVICE INSTALLATION
 - SIGNAL
 - DUCT
 - - - CONDUIT
 - X-X FENCE
 - + GUARD RAIL
 - LIGHT STANDARD
 - (I) INSTALL
 - (E) EXISTING
 - (R) REMOVE
 - (RL) REMOVE & RELOCATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC SYSTEMS CENTER
 JOHN F. KENNEDY EXPRESSWAY
 HARLEM AVE.

REVISIONS	
NAME	DATE

SCALE: VERT. _____
 HORIZ. _____
 DATE _____ DRAWN BY _____
 CHECKED BY _____

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PLOT DATE = 1/30/2020		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

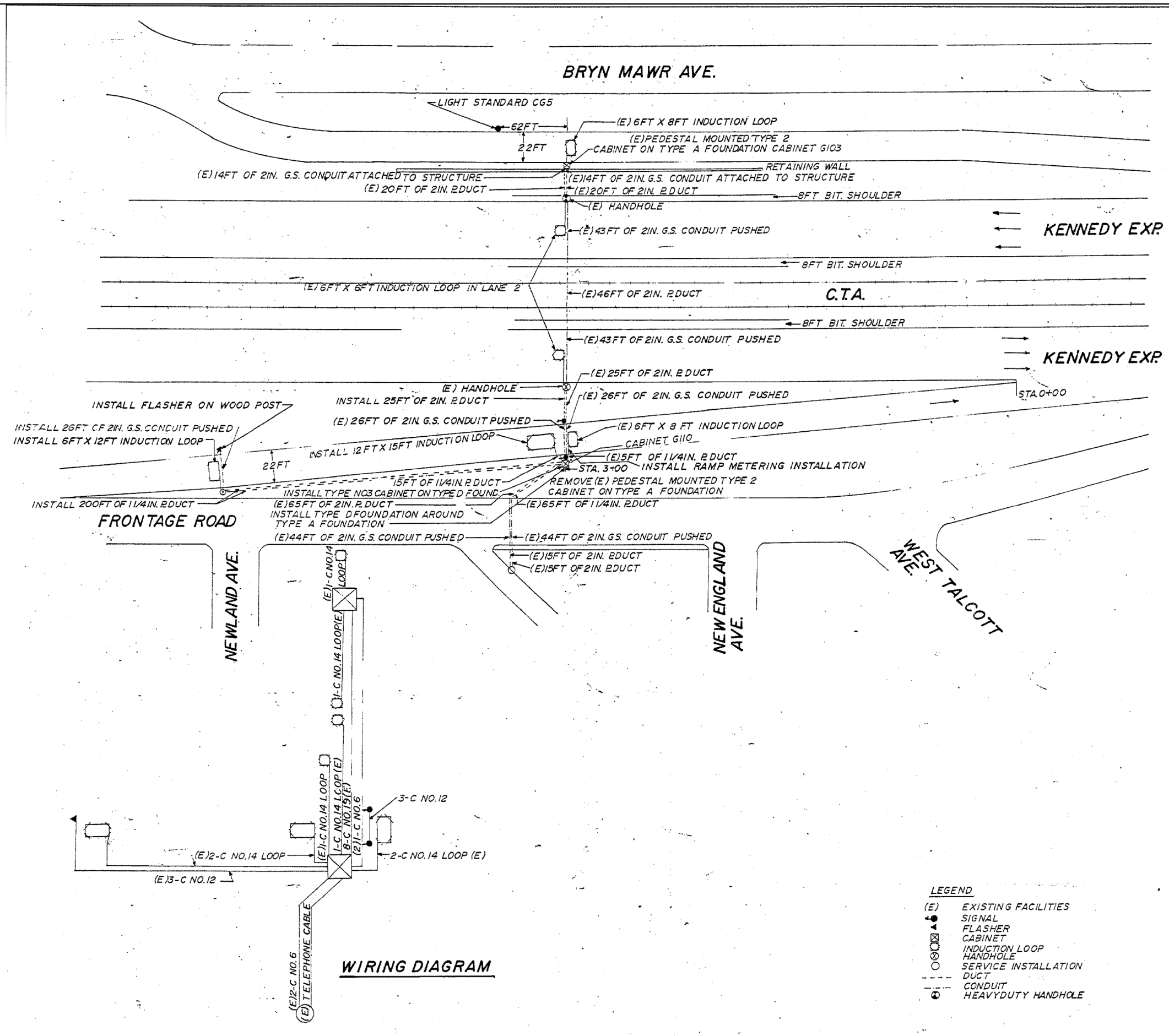
EXISTING INDUCTION LOOP PLANS

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	88
CONTRACT NO. 62J59				
ILLINOIS		FED. AID PROJECT		

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62746



WIRING DIAGRAM

FOR INFORMATION ONLY

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- LEGEND**
- (E) EXISTING FACILITIES
 - SIGNAL
 - ◐ FLASHER
 - ◑ CABINET
 - INDUCTION LOOP
 - HANDHOLE
 - SERVICE INSTALLATION
 - DUCT
 - CONDUIT
 - ⊗ HEAVY DUTY HANDHOLE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 90
KENNEDY EXPRESSWAY
INDUCTION LOOP PLANS
SAYRE AVENUE

SCALE: VERT. NONE
 HORIZ. DATE 04/05/2004

DRAWN BY
 CHECKED BY

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INDUCTION LOOP PLANS

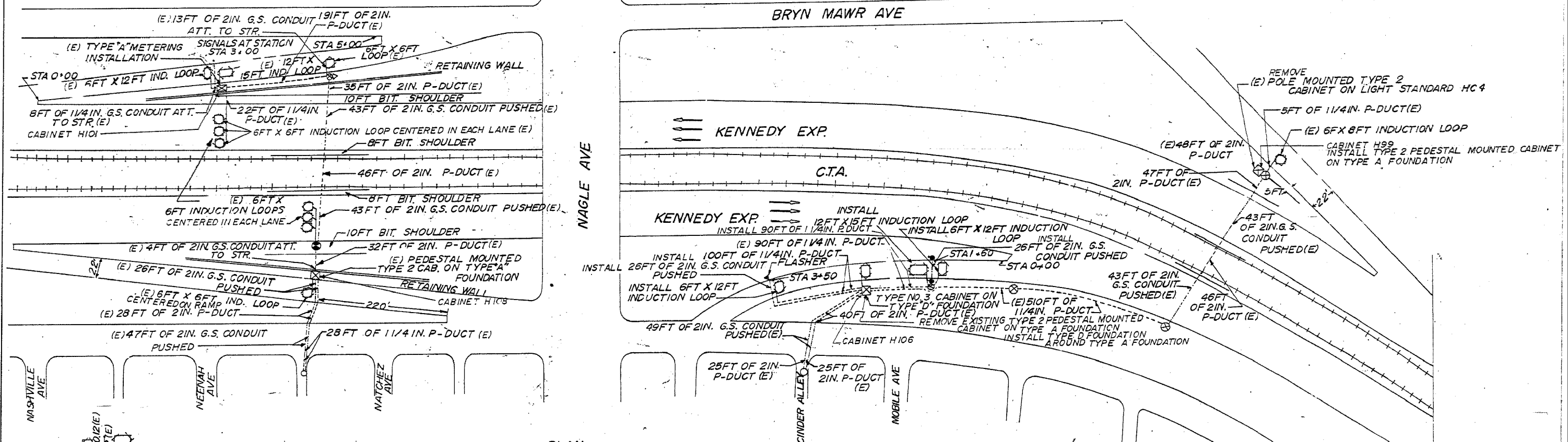
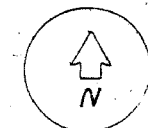
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CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

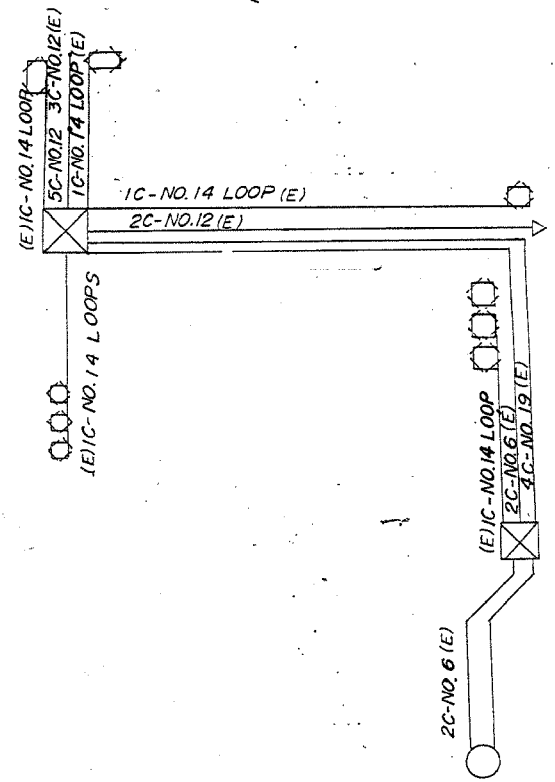
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	81	48
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FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT
• (1012, 1214, 1415, & 1517) RS-3				

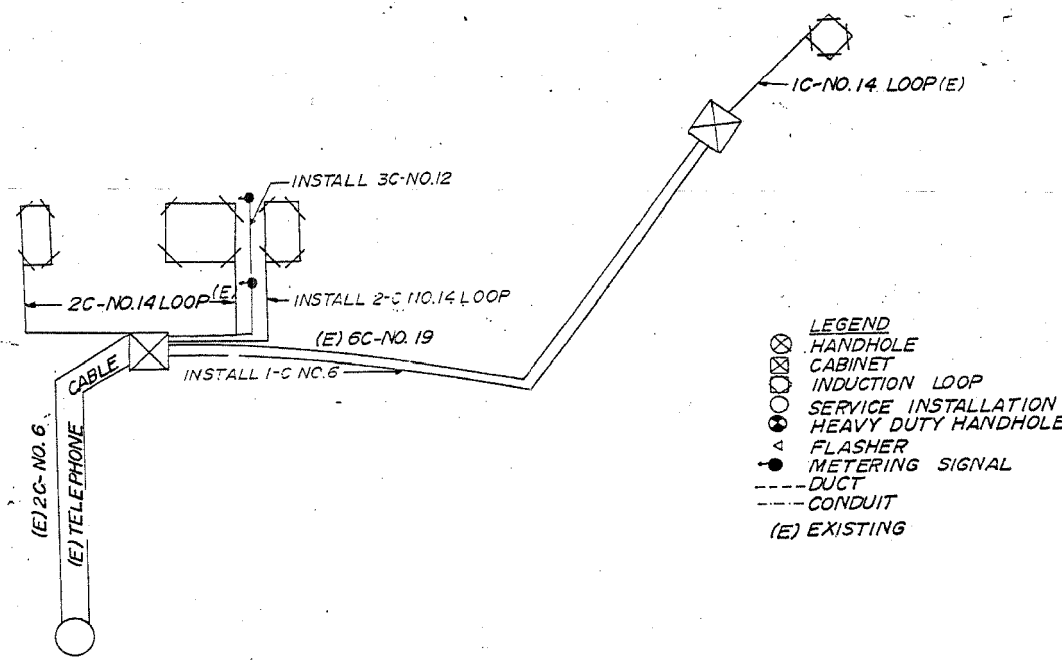
62746



PLAN



WIRING DIAGRAM



FOR INFORMATION ONLY

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 90
KENNEDY EXPRESSWAY
INDUCTION LOOP PLANS
NAGLE AVENUE
SCALE: VERT. NONE
HORIZ. DATE 04/05/2004
DRAWN BY
CHECKED BY

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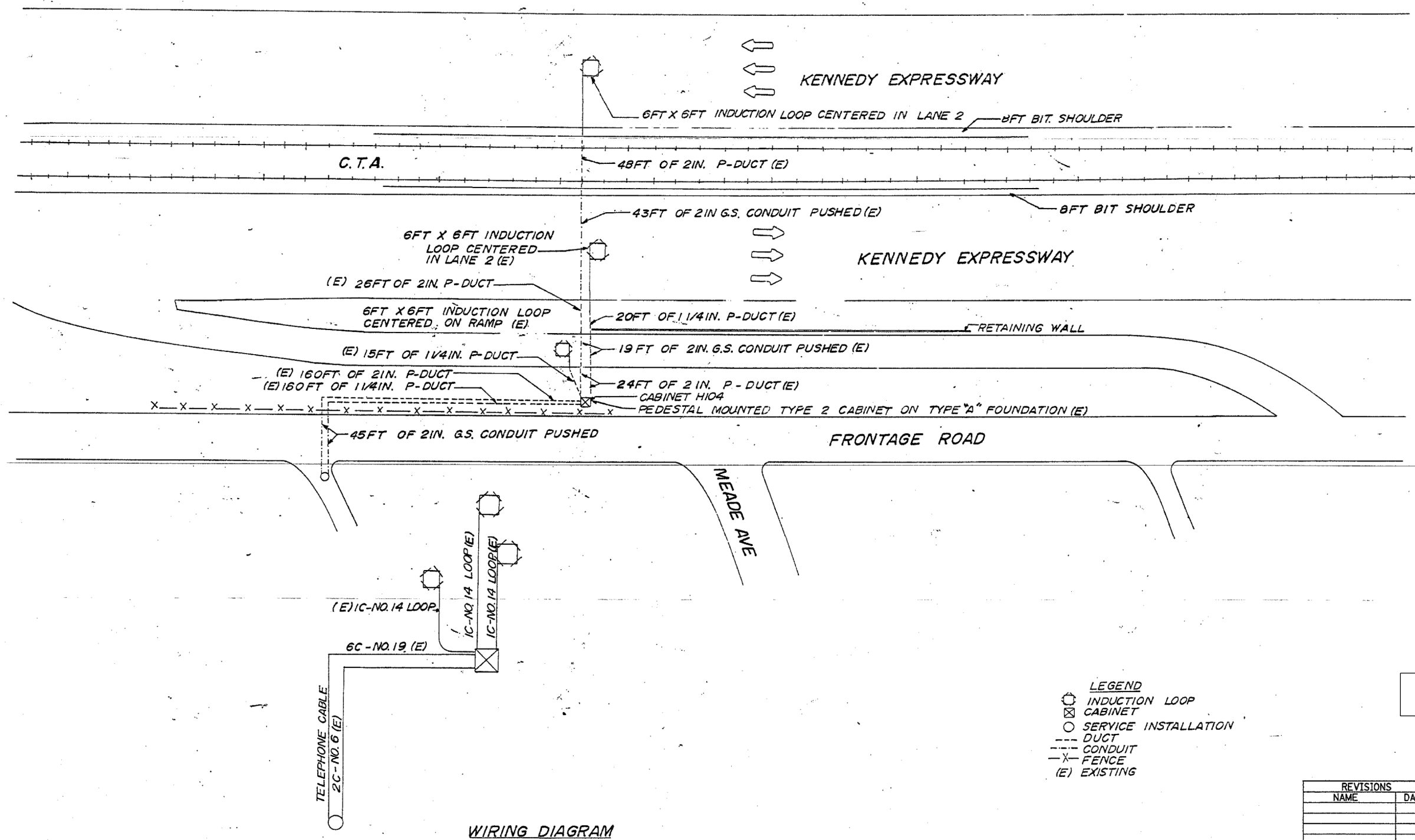
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INDUCTION LOOP PLANS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-R5&T	COOK	119	90
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

62746



- LEGEND**
- ⊗ INDUCTION LOOP
 - ⊠ CABINET
 - SERVICE INSTALLATION
 - DUCT
 - - - CONDUIT
 - X- FENCE
 - (E) EXISTING

FOR INFORMATION ONLY

FOR INFORMATION ONLY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 90
KENNEDY EXPRESSWAY
INDUCTION LOOP PLANS
MEADE AVENUE

SCALE: VERT. NONE
 HORIZ. DATE 04/05/2004

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PLOT DATE = 1/30/2020		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

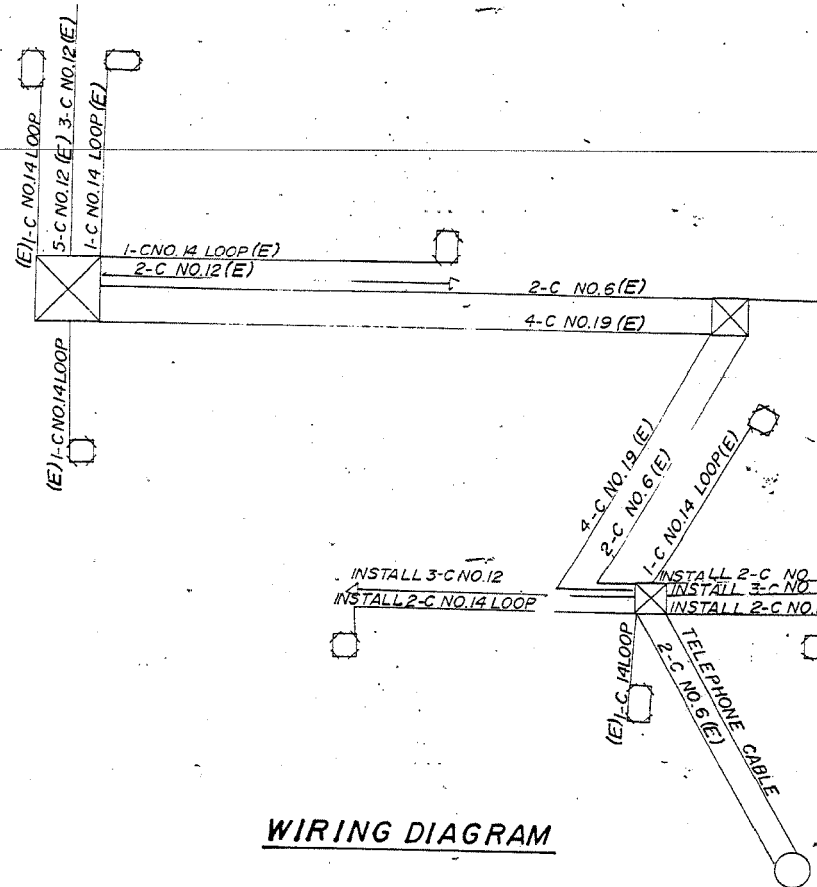
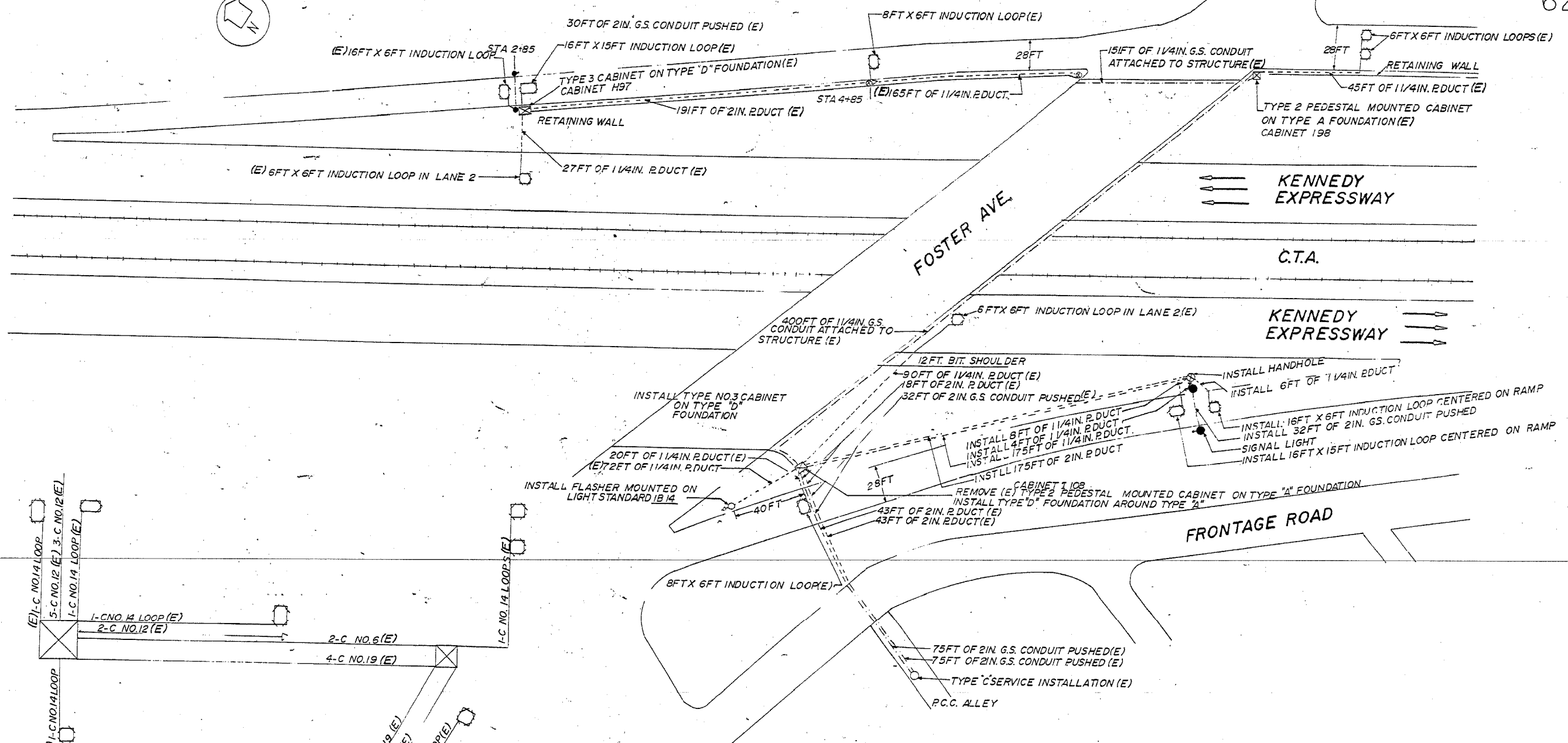
EXISTING INDUCTION LOOP PLANS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	91
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

F.A.I. RTE. 90	SECTION	COUNTY COOK	TOTAL SHEETS 31	SHEET NO. 50
STA.	TO STA.		FED. AID PROJECT	
• (1012, 1214, 1415, & 1517) RS-3				

62746



WIRING DIAGRAM

- LEGEND**
- (E) EXISTING FACILITIES
 - SIGNAL
 - ▲ FLASHER
 - CABINET
 - INDUCTION LOOP
 - HANDHOLE
 - SERVICE INSTALLATION
 - - - DUCT
 - CONDUIT
 - HEAVY DUTY HANDHOLE

FOR INFORMATION ONLY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 90
KENNEDY EXPRESSWAY
INDUCTION LOOP PLANS
FOSTER AVENUE

SCALE: VERT. NONE
HORIZ. DATE 04/05/2004

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CHECKED BY

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

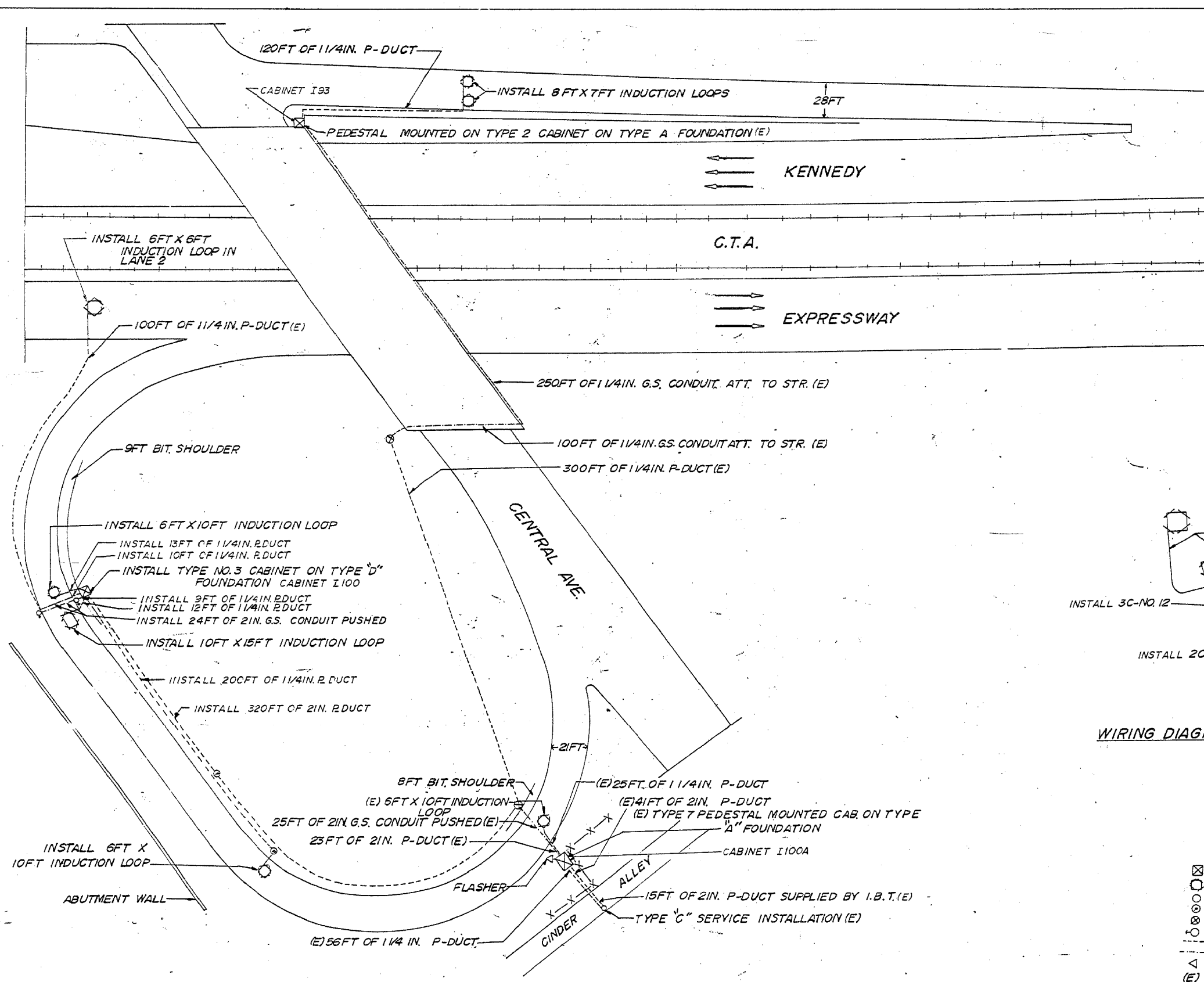
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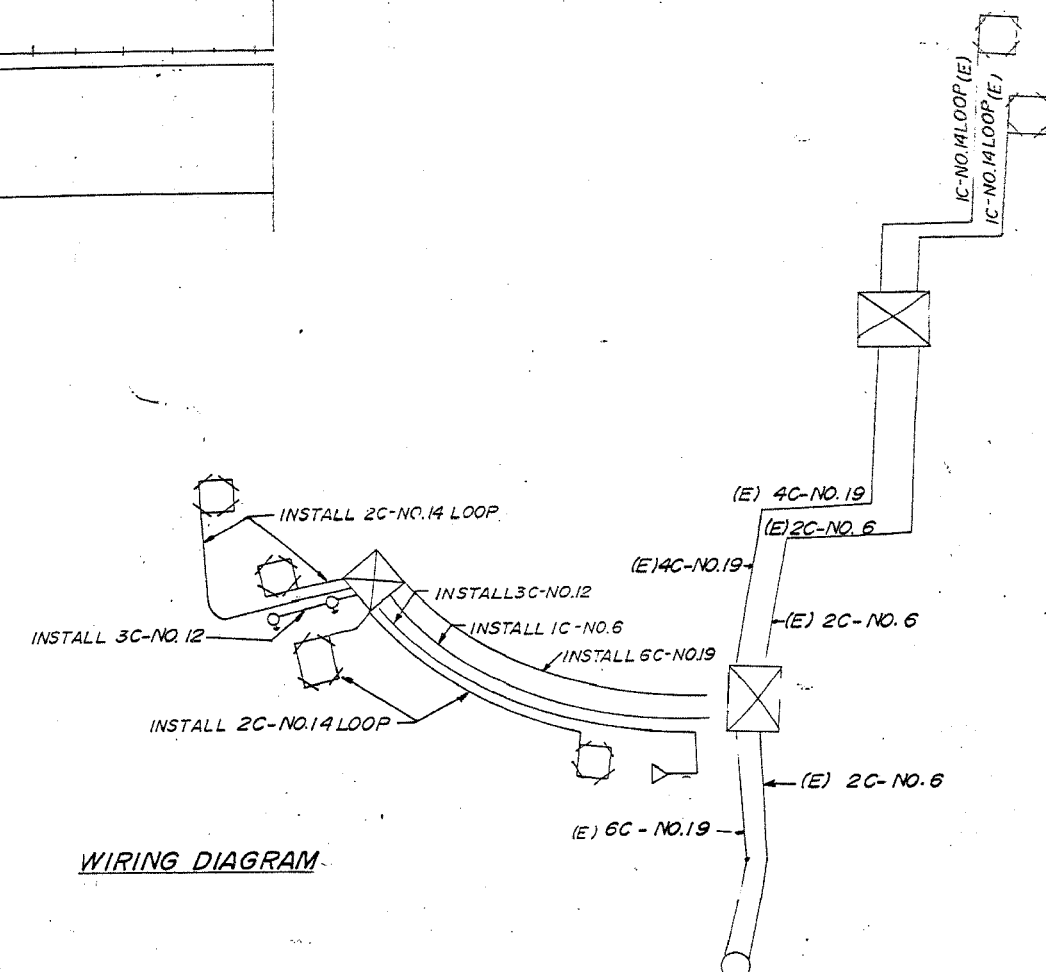
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CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90		COOK	81	51
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
• (1012, 1214, 1415, & 1517) RS-3				

62746



PLAN



WIRING DIAGRAM

- LEGEND**
- ☒ CABINET
 - INDUCTION LOOP
 - SERVICE INSTALLATION
 - ⊙ PULL POINT
 - ⊗ HANDHOLE
 - ⊕ METERING SIGNAL
 - DUCT
 - CONDUIT
 - △ FLASHER
 - (E) EXISTING

FOR INFORMATION ONLY

FOR INFORMATION ONLY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 90
 KENNEDY EXPRESSWAY
 INDUCTION LOOP PLANS
 CENTRAL AVENUE
 SCALE: VERT. NONE
 HORIZ. DATE 04/05/2004
 DRAWN BY
 CHECKED BY

USER NAME = RGall	DESIGNED - RG	REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

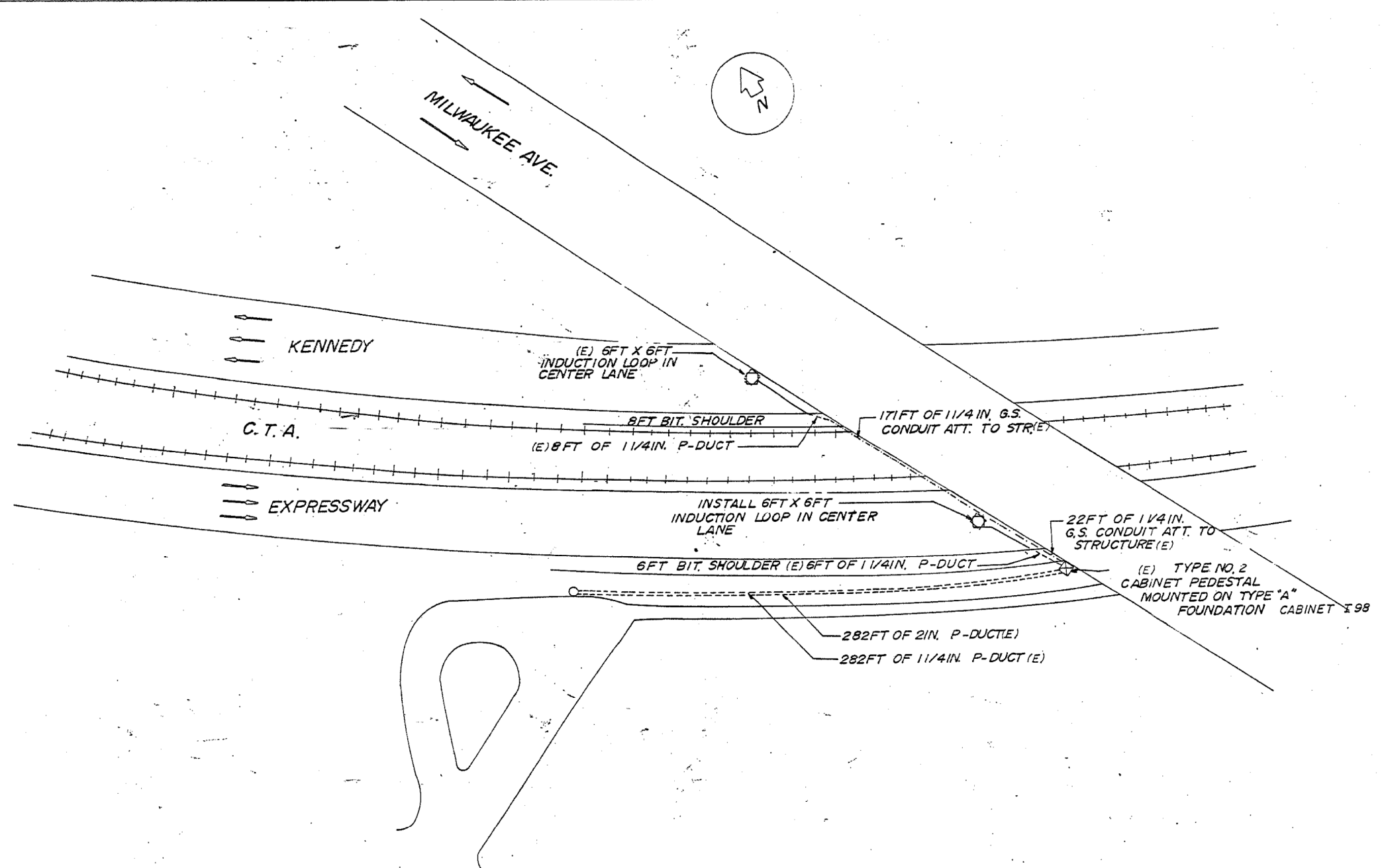
EXISTING INDUCTION LOOP PLANS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	93
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

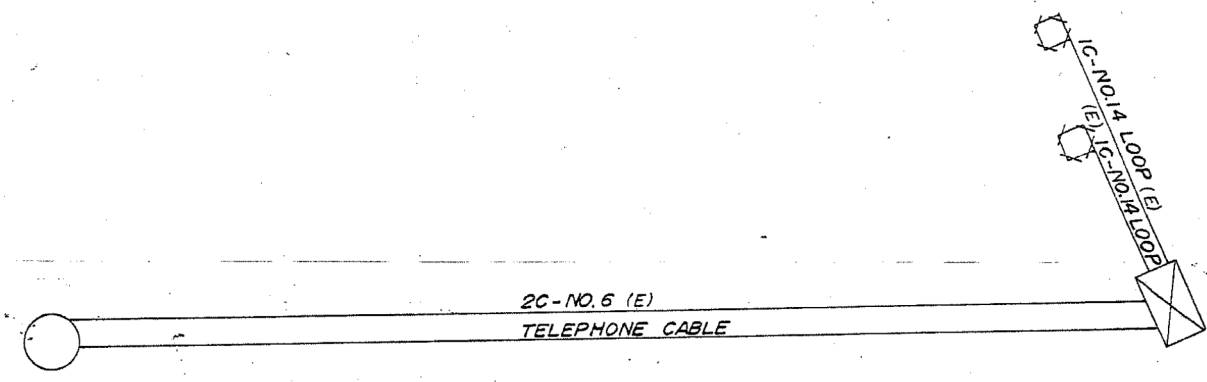
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62746



FOR INFORMATION ONLY

- LEGEND**
- SERVICE INSTALLATION
 - ⊗ HANDHOLE
 - ⊠ CABINET
 - INDUCTION LOOP
 - DUCT
 - - - CONDUIT
 - (E) EXISTING



WIRING DIAGRAM

FOR INFORMATION ONLY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**F.A.I. ROUTE 90
 KENNEDY EXPRESSWAY
 INDUCTION LOOP PLANS
 MILWAUKEE AVENUE**

SCALE: VERT. NONE
 HORIZ. DATE 04/06/2004

DRAWN BY
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PLOT DATE = 1/30/2020		

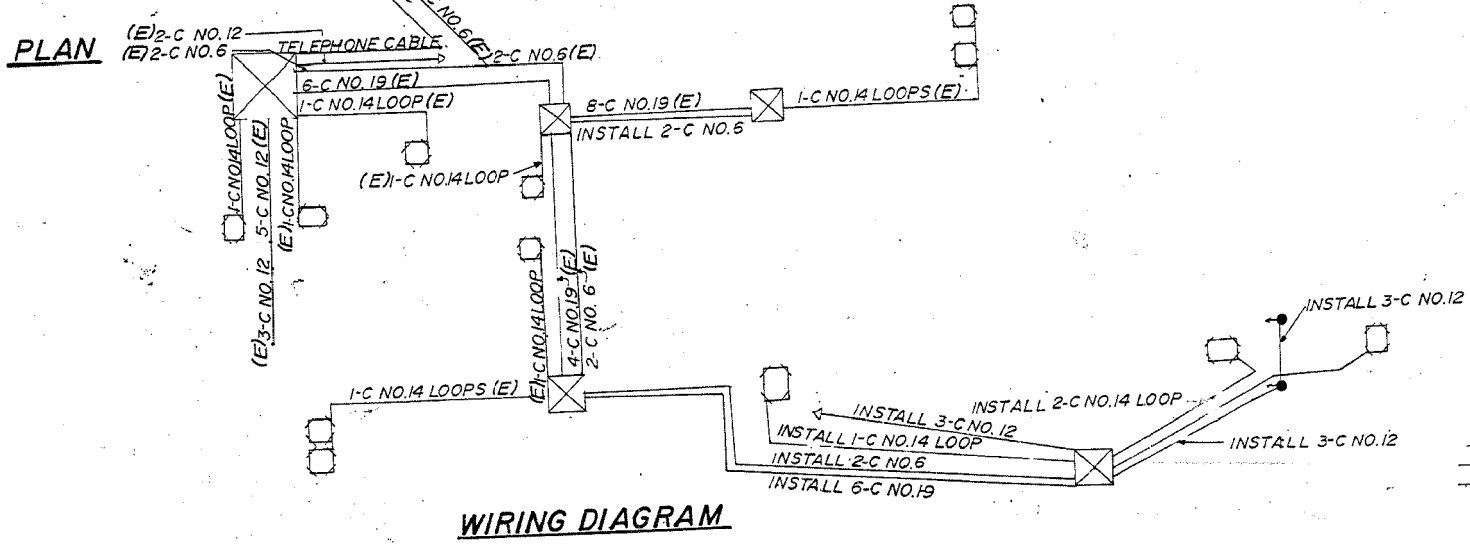
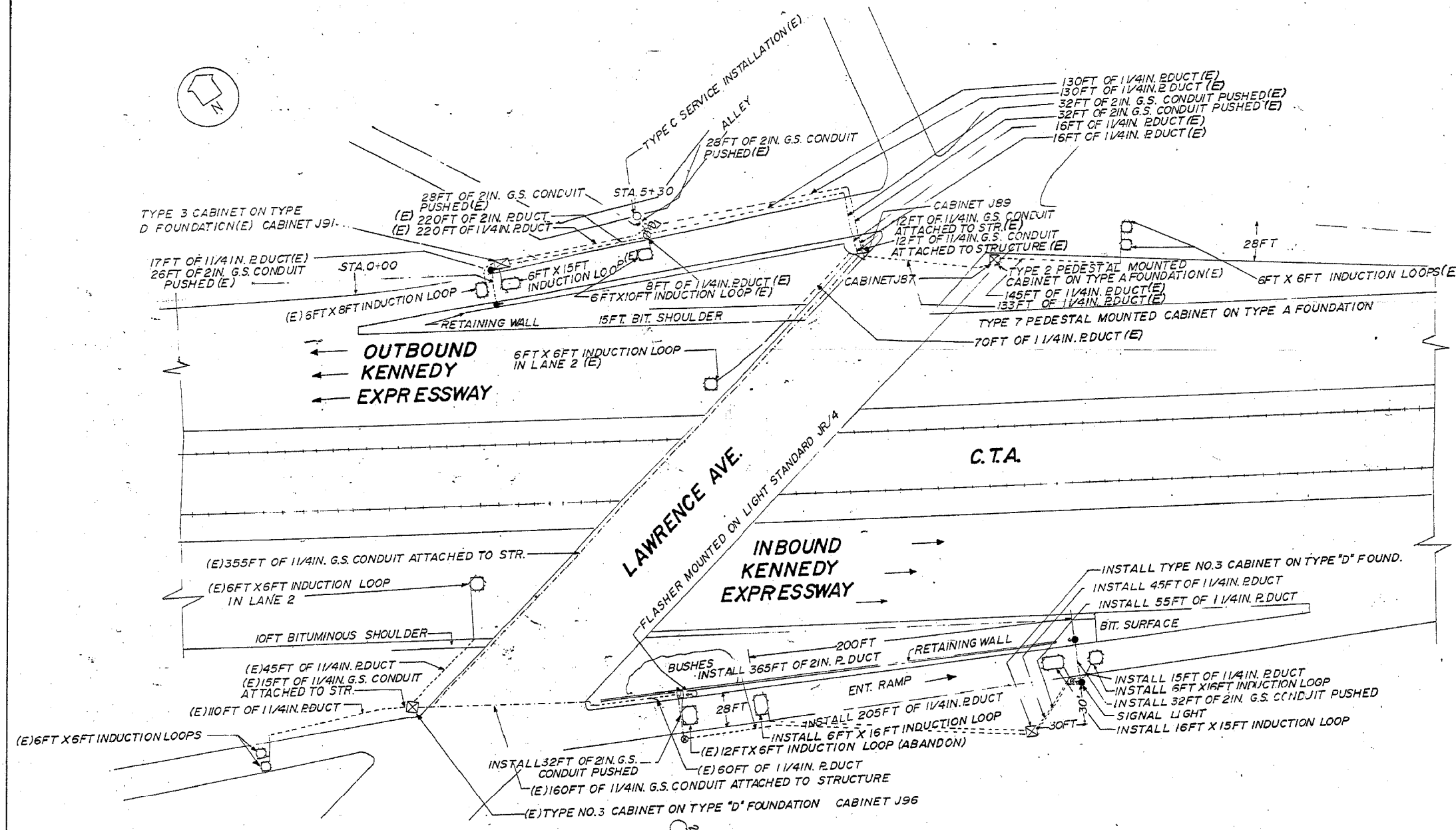
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EXISTING INDUCTION LOOP PLANS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	94
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

62746



- LEGEND**
- (E) EXISTING FACILITIES
 - LIGHT STANDARD
 - SIGNAL LIGHT
 - ▽ FLASHER
 - INDUCTION LOOP
 - ⊠ CABINET
 - ⊞ JUNCTION BOX
 - SERVICE INSTALLATION
 - ⊙ PULL POINT
 - ⊙ HANDHOLE
 - ⊙ HEAVY DUTY HANDHOLE
 - DUCT
 - - - CONDUIT
 - x- FENCE
 - x— GUARD RAIL

FOR INFORMATION ONLY

FOR INFORMATION ONLY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 90
 KENNEDY EXPRESSWAY
 INDUCTION LOOP PLANS
 LAWRENCE AVENUE

SCALE: VERT. NONE
 HORIZ. DATE 04/05/2004

DRAWN BY
 CHECKED BY

USER NAME = RGall	DESIGNED - RG	REVISED -
	DRAWN - CS/JB	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 1/30/2020	DATE - 10/5/19	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING INDUCTION LOOP PLANS

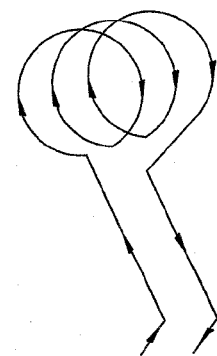
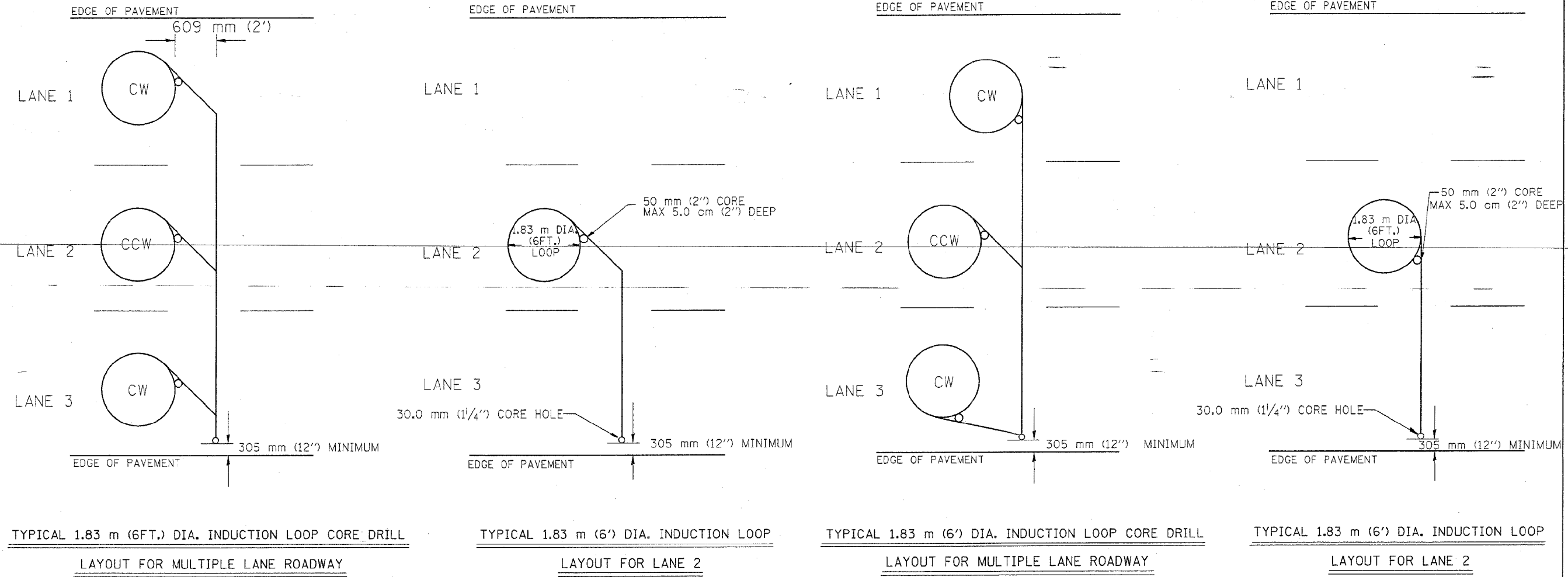
SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-R5&T	COOK	119	95
CONTRACT NO. 62J59			ILLINOIS FED. AID PROJECT	

MODEL: D:\p\h...
 FILE NAME: 20190329_211.DDOT D1 PTE 197-006.WO 21 Kennedy Expressway Design Prelim\Drawings\162759-oh-loop-ec.dwg

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	81	56
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		
* (1012, 1214, 1415, & 1517) R5-3				

62746



WIRING DETAILS

NOTES

1. EACH LOOP SHALL BE SPLICED TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 45 m (150FT.) OR MORE FROM CABINET.
2. LOOPS SHALL BE SPLICED IN HANDHOLES ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
3. LOOPS SHALL NOT BE SPLICED IN SERIES.
4. EACH LOOP LEAD IN SHALL BE IDENTIFIED AND PERMANENTLY COLOR CODED IN THE COREHOLE, HANDHOLE & CABINETS THRU WHICH THEY ENTER OR PASS AND TAGGED WITH THE CORRECT NOMENCLATURES.

FOR INFORMATION ONLY

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER EXISTING ROUND LOOP INSTALLATION	
NAME	DATE	SCALE:	VERT. NONE
R.L.	6/94	HORIZ.	DRAWN BY G.M.
T.C.	9/96	DATE	6-22-94
			CHECKED BY R.L.

TRAFFIC SYSTEMS CENTER (TY-1TSC-418#1)

USER NAME = RGall	DESIGNED - RG	REVISED -
DRAWN - CS/JB	CHECKED - JH	REVISED -
PLOT SCALE = 100.0000' / in.	DATE - 10/5/19	REVISED -
PLOT DATE = 1/30/2020		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING INDUCTION LOOP PLANS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-R5&T	COOK	119	96
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

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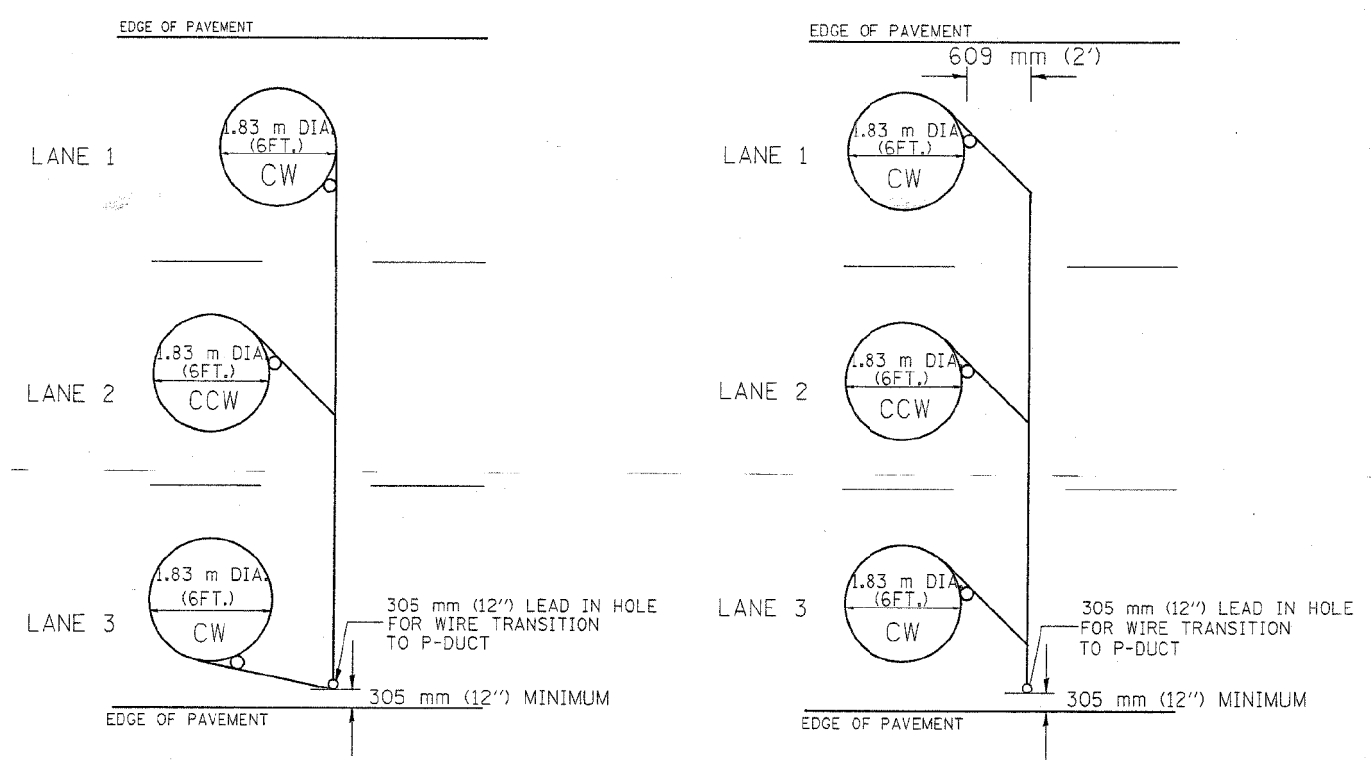
VI-4181

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	81	57

STA. _____ TO STA. _____
 FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT

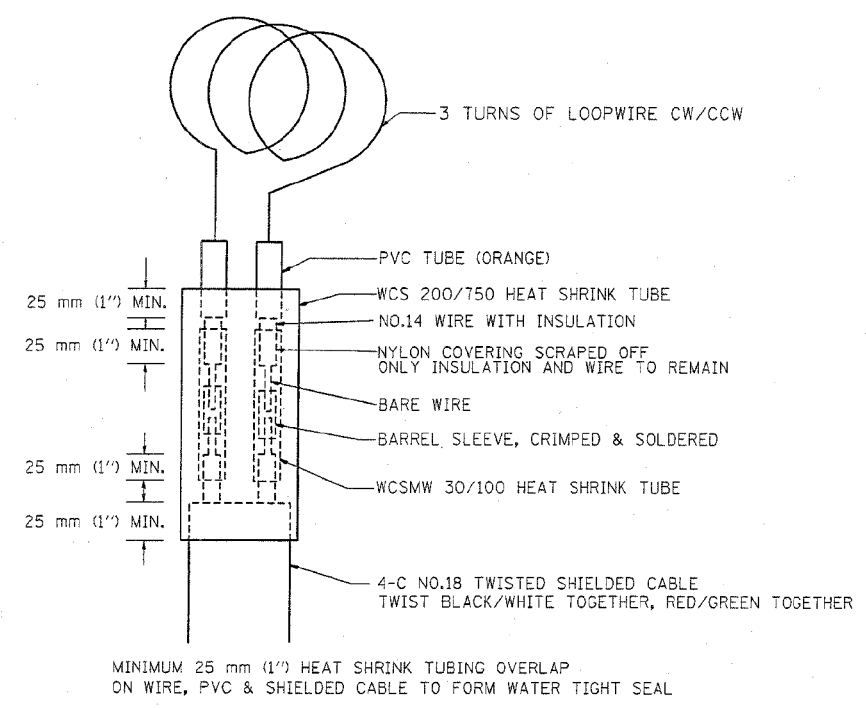
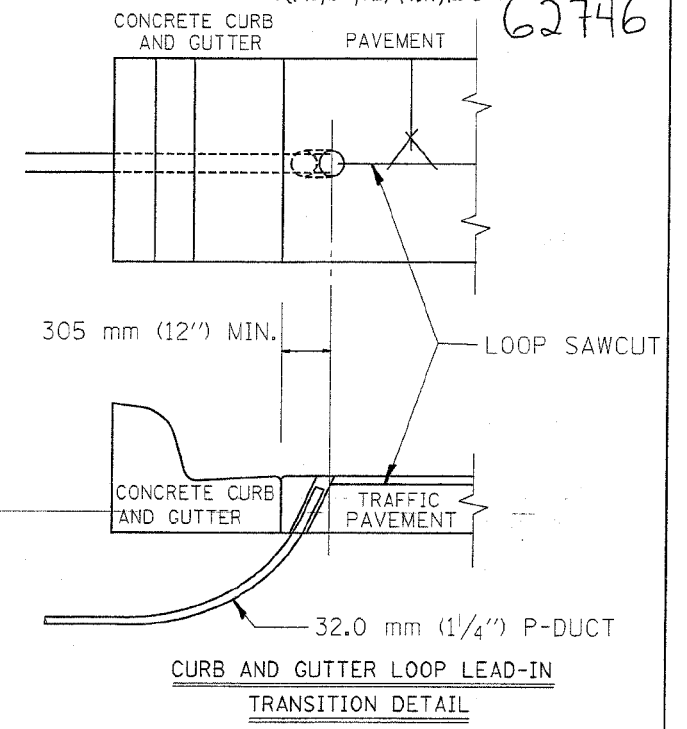
*(1012, 1214, 1405 & 1517) RS-3

62746



TYPICAL 1.83 m (6FT.) DIA. INDUCTION LOOP CORE DRILL LAYOUT FOR MULTIPLE LANE ROADWAY

TYPICAL 1.83 m (6') DIA. INDUCTION LOOP CORE DRILL LAYOUT FOR MULTIPLE LANE ROADWAY



LOOP SPlicing REQUIREMENTS

- NOTES
1. EACH LOOP SHALL BE SPliced TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 45 m (150FT.) OR MORE FROM CABINET.
 2. LOOPS SHALL BE SPliced IN HANDHOLES ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
 3. LOOPS SHALL NOT BE SPliced IN SERIES.
 4. EACH LOOP LEAD IN SHALL BE IDENTIFIED AND PERMANENTLY COLOR CODED IN THE COREHOLE, HANDHOLE & CABINETS THRU WHICH THEY ENTER OR PASS AND TAGGED WITH THE CORRECT NOMENCLATURES.

FOR INFORMATION ONLY

REVISIONS	
NAME	DATE
R.L.	6/94
T.C.	10/96

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC SYSTEMS CENTER
EXISTING ROUND INDUCTION LOOP TYPICALS
 SCALE: VERT. NONE
 HORIZ. DATE 6-22-94
 DRAWN BY G.M.
 CHECKED BY R.L.

TRAFFIC SYSTEMS CENTER (TY-1TSC-418#2)

USER NAME = RGal	DESIGNED - RG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - CS/JB	REVISED -
PLOT DATE = 1/30/2020	CHECKED - JH	REVISED -
	DATE - 10/5/19	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING INDUCTION LOOP PLANS	
SCALE: 1"=50'	SHEET OF SHEETS STA. TO STA.

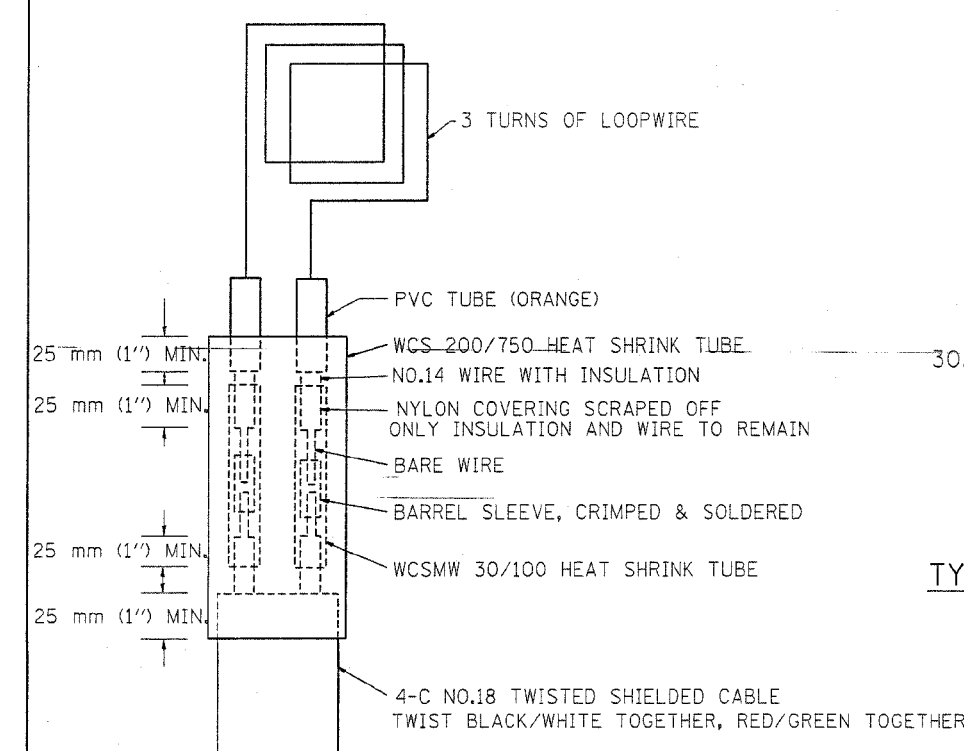
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	97
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

MODEL: D:\p\h\... FILE NAME: 20130329.11.DDOT.D1.PFB.187-2006.WO.21.Kennedy-Express\DOT\Design\Pre\m\Road\Sheet\10.627159-04-loop-ec.dgn

VI-4182

62746

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	81	58
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (1512, 1214, 1415, & 1517) R5-3				

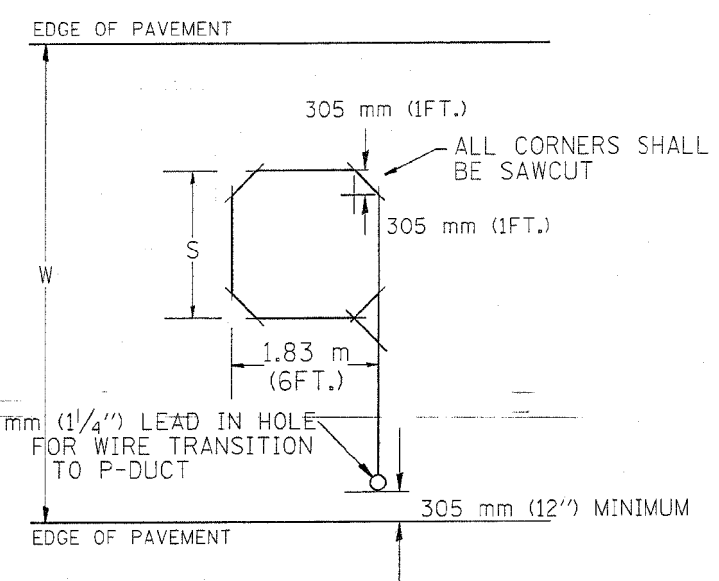


MINIMUM 25 mm (1") HEAT SHRINK TUBING OVERLAP ON WIRE, PVC & SHIELDED CABLE TO FORM WATER TIGHT SEAL

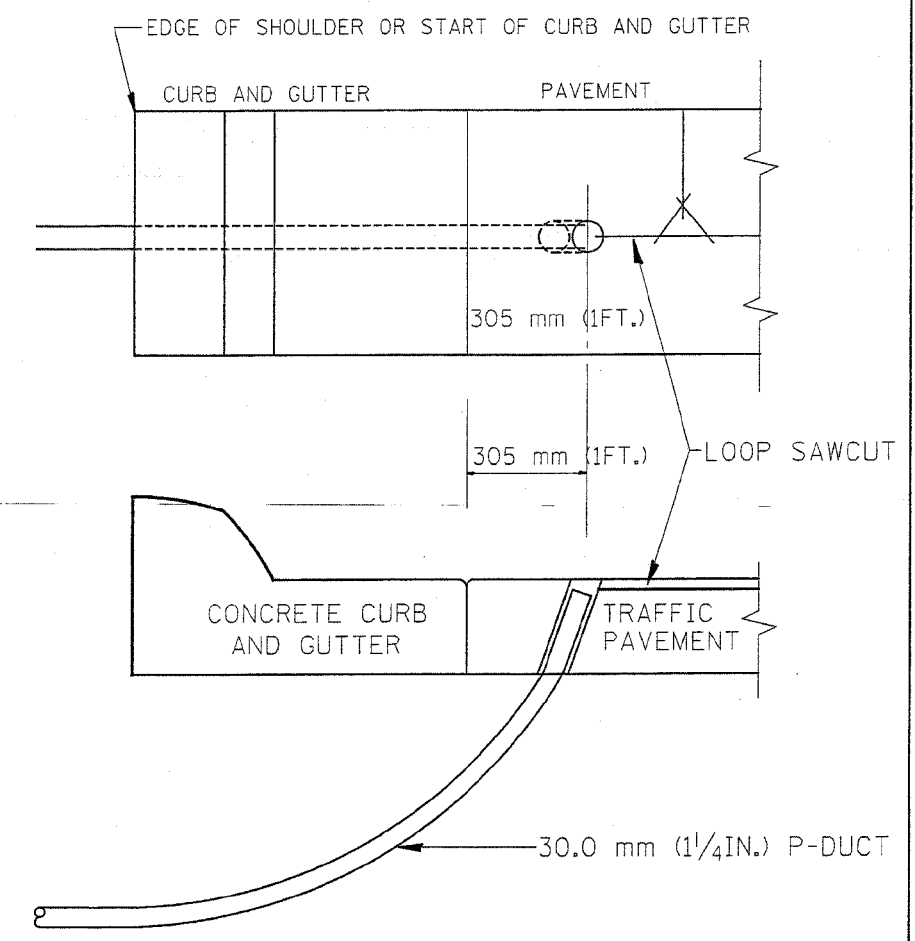
LOOP-SPICING REQUIREMENTS

TABLE 1

WIDTH (W)	WIDTH (S)
3.7 m (12')	2.5 m (8')
4.0 m (13')	2.8 m (9')
4.3 m (14')	3.1 m (10')
4.6 m (15')	3.4 m (11')
4.9 m (16')	3.7 m (12')
5.2 m (17')	4.0 m (13')
5.5 m (18')	4.3 m (14')
5.8 m (19')	4.6 m (15')
6.1 m (20')	4.9 m (16')
6.4 m (21')	5.2 m (17')
6.7 m (22')	5.5 m (18')
7.0 m (23')	5.8 m (19')
7.3 m (24')	6.1 m (20')
7.6 m (25')	6.4 m (21')



TYPICAL "S" FT. BY 1.83 m (6FT.) INDUCTION LOOP SAWCUT LAYOUT FOR RAMPS



CURB AND GUTTER LOOP LEAD-IN TRANSITION DETAIL

- NOTES**
1. EACH LOOP SHALL BE SPICED TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 45 m (150FT.) OR MORE FROM CABINET.
 2. LOOPS SHALL BE SPICED IN HANDHOLES ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
 3. LOOPS SHALL NOT BE SPICED IN SERIES.
 4. EACH LOOP LEAD IN SHALL BE IDENTIFIED AND PERMANENTLY COLOR CODED IN THE COREHOLE, HANDHOLE & CABINETS THRU WHICH THEY ENTER OR PASS AND TAGGED WITH THE CORRECT NOMENCLATURES.

FOR INFORMATION ONLY

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER RECTANGULAR INDUCTION LOOP TYPICAL
NAME	DATE	
R.L.	6/94	SCALE: VERT. NONE HORIZ. DATE 6-22-94 DRAWN BY G.M. CHECKED BY R.L.
T.C.	11/95	
R.L.	05/96	
T.C.	10/96	

TRAFFIC SYSTEMS CENTER (TY-1TSC-418#3)

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VI=4182

USER NAME = RGall	DESIGNED - RG	REVISED -
	DRAWN - CS/JB	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 1/30/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

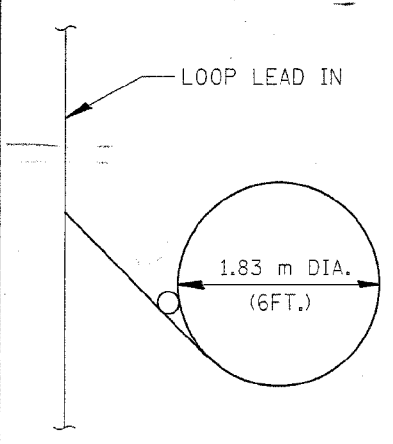
EXISTING INDUCTION LOOP PLANS

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

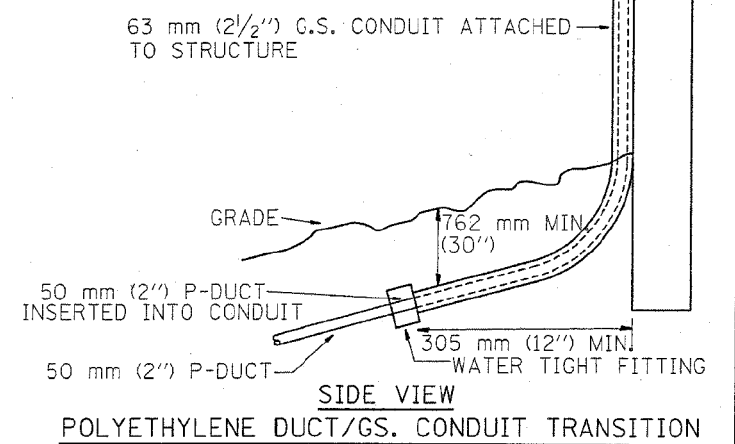
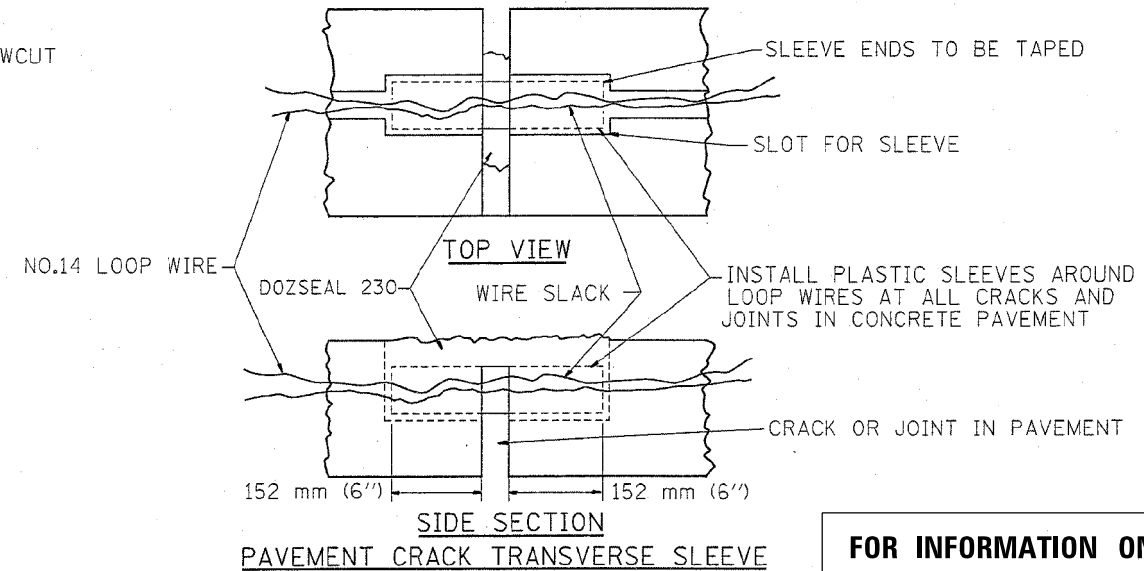
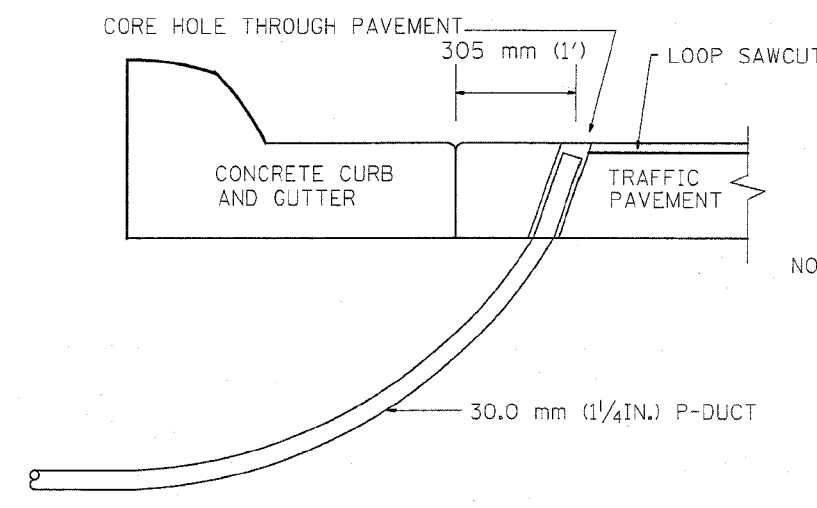
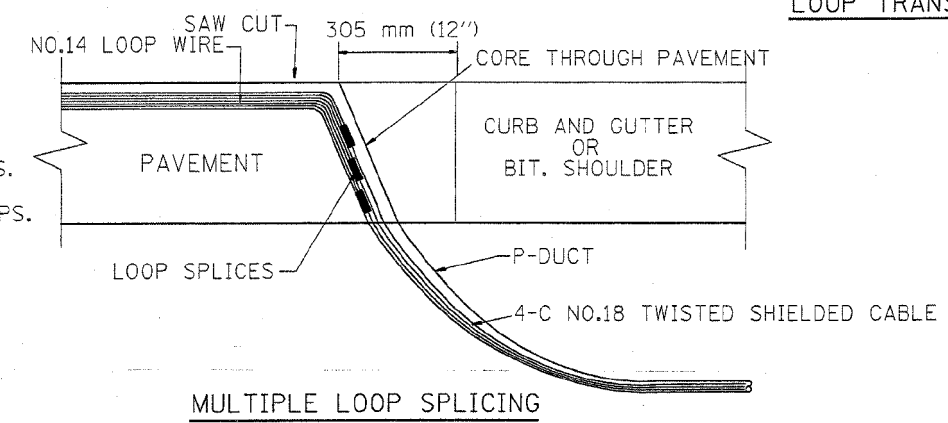
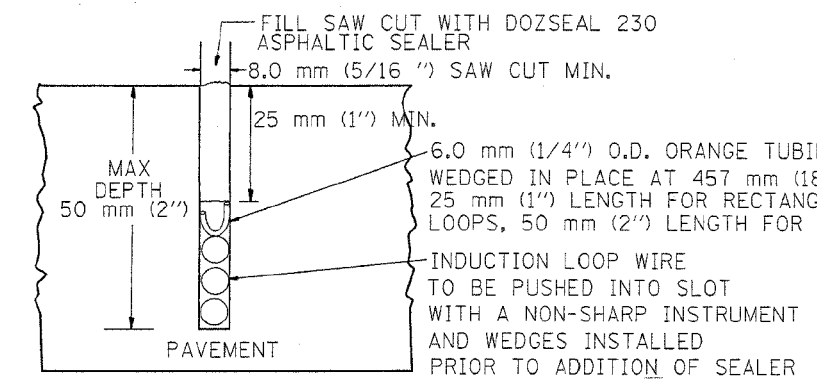
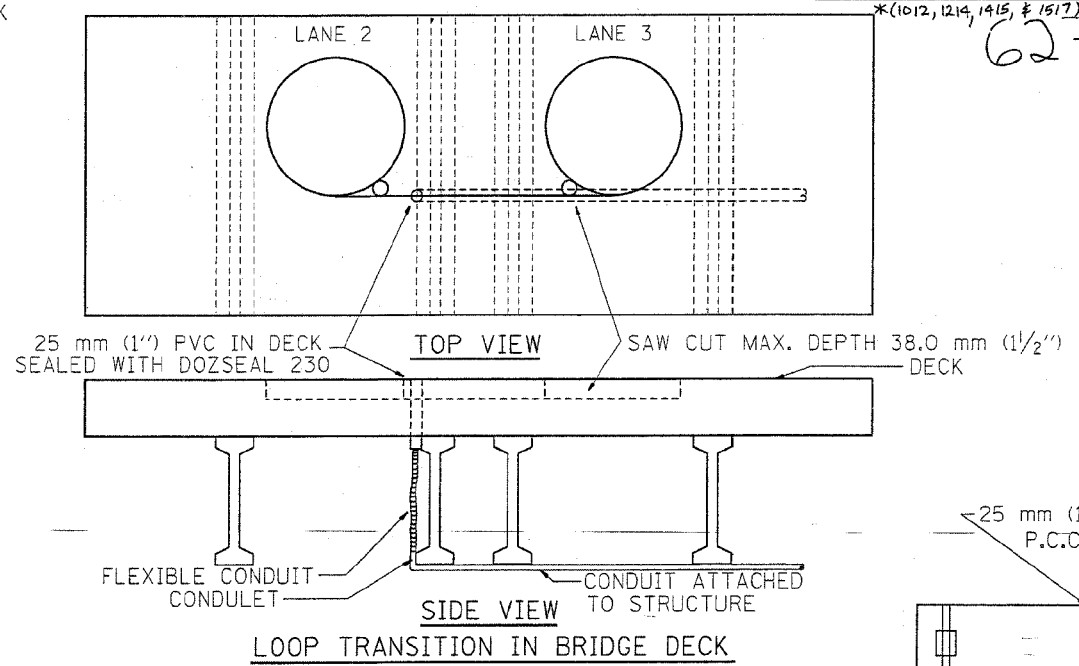
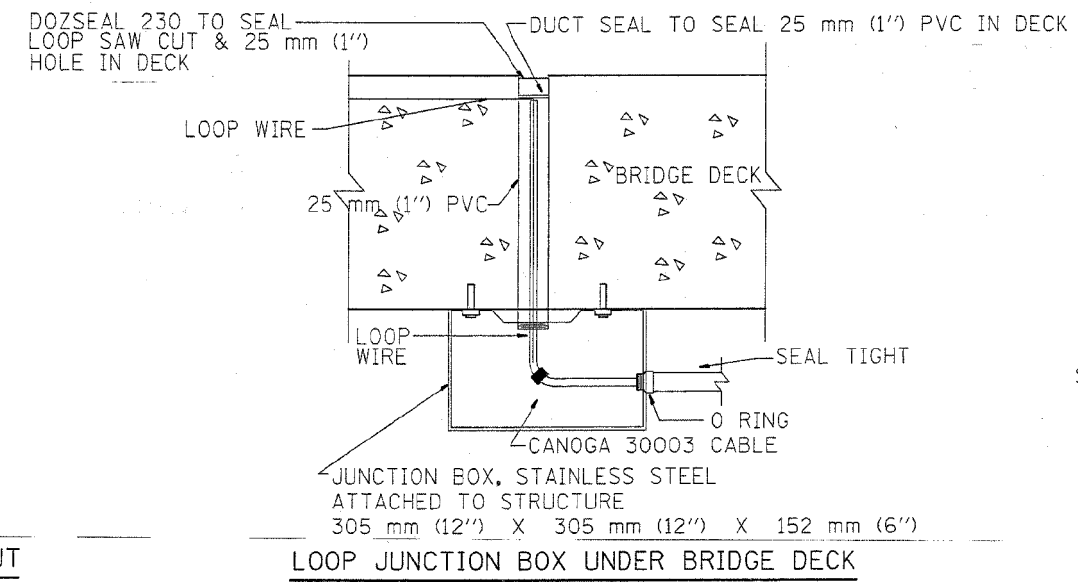
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	98
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	81	59
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

* (1012, 1214, 1415, & 1517) R 5-3
62746



TYPICAL LOOP SAWCUT LAYOUT



REVISIONS	
NAME	DATE
R.L.	6/94
R.L.	3/95
T.C.	11/95
R.L.	05/96
T.C.	10/96

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

LOOP, CONDUIT & DUCT INSTALLATION DETAILS

SCALE: VERT. NONE
HORIZ. DATE 6-22-94

DRAWN BY G.M.
CHECKED BY R.L.

FOR INFORMATION ONLY

TRAFFIC SYSTEMS CENTER (TY-1TSC-418#4)

VI-4184

USER NAME = RGall	DESIGNED - RG	REVISED -
	DRAWN - CS/JB	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 1/30/2020	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING INDUCTION LOOP PLANS

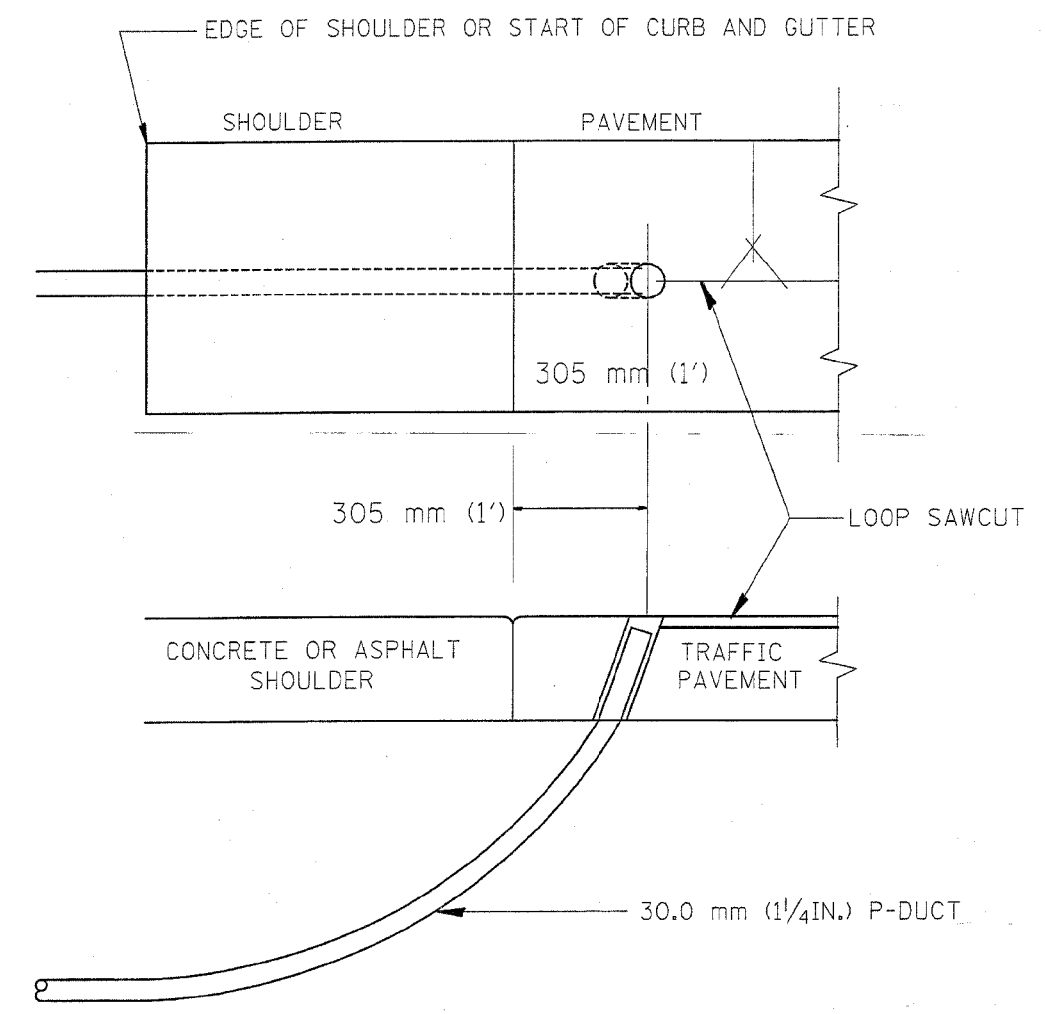
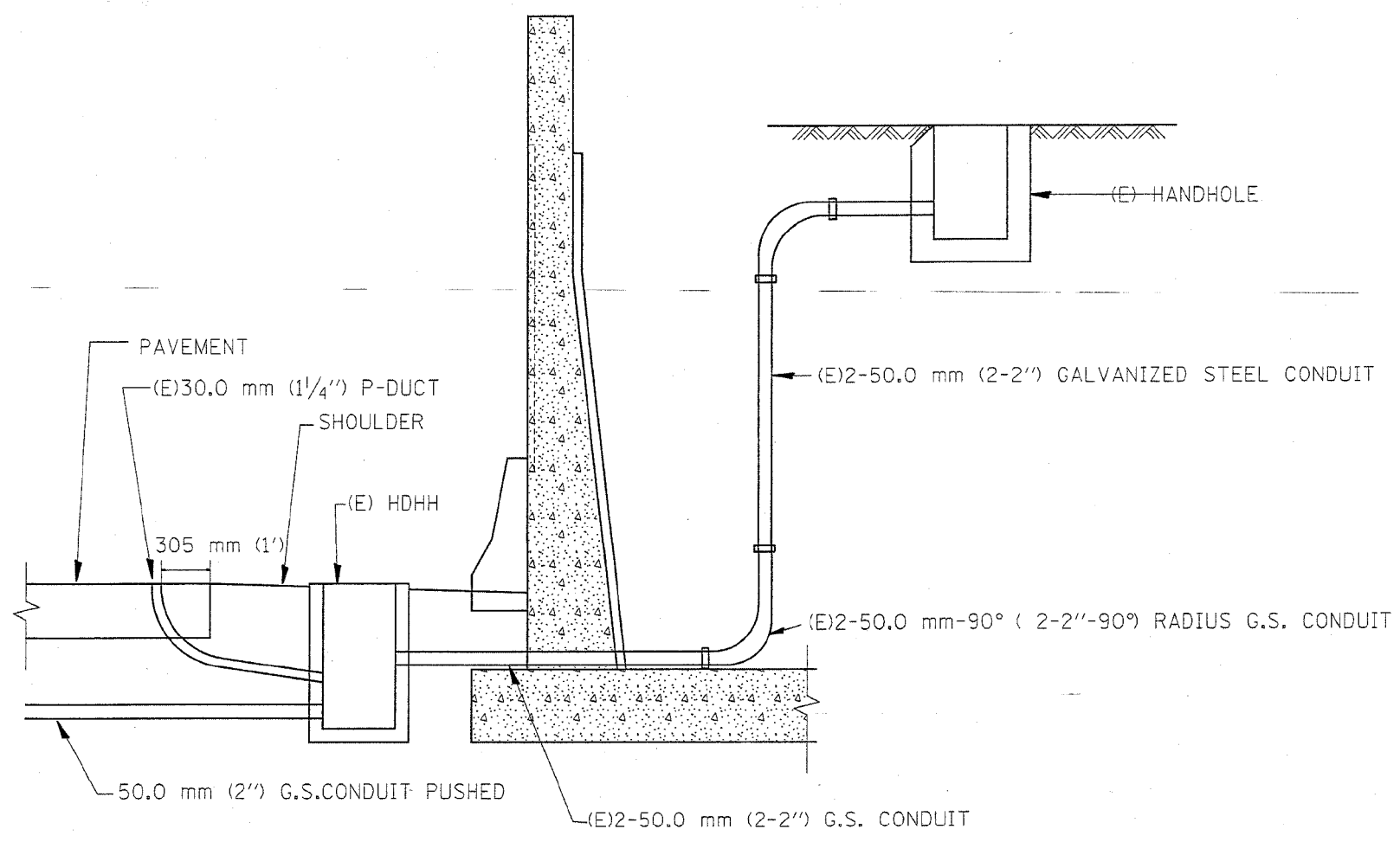
SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	99
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	81	60
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		*(1012, 1214, 1415, & 1517) RS-3		

62746



SHOULDER LOOP LEAD-IN
TRANSITION DETAIL

FOR INFORMATION ONLY

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER
NAME	DATE	
R.L.	6/94	TYPICAL INDUCTION LOOP LEAD-IN TRANSITION DIAGRAMS
T.C.	11/95	
R.L.	05/96	
T.C.	10/96	
SCALE: VERT. NONE HORIZ. DATE 6-22-94		DRAWN BY G.M. CHECKED BY R.L.

TRAFFIC SYSTEMS CENTER (TY-1TSC-418#5)

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VI-4185

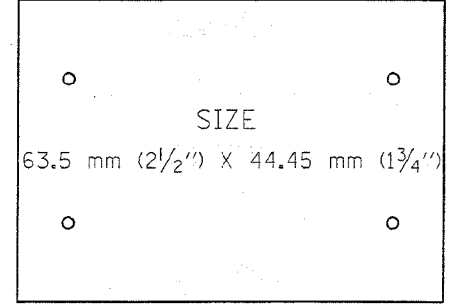
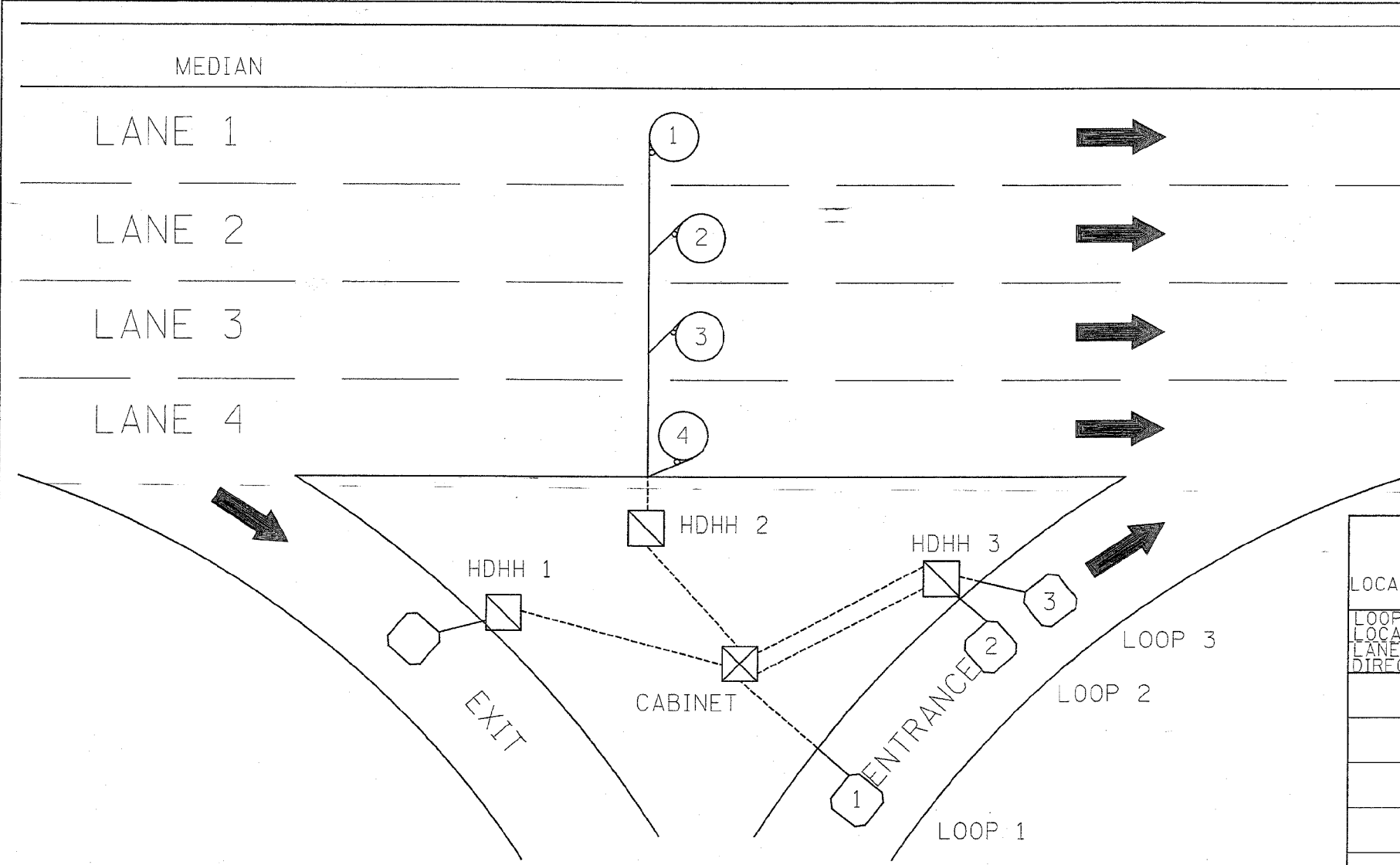
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PLOT SCALE = 100.0000' / in.	DRAWN - CS/JB	REVISED -
PLOT DATE = 1/30/2020	CHECKED - JH	REVISED -
	DATE - 10/5/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INDUCTION LOOP PLANS	
SCALE: 1"=50'	SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	100
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

62746



SUGGESTED TAG PANDUIT
#MP250W175-C
OR EQUIVALENT

LOOP ANALYZER					
LOCATION _____				DATE _____	
LOOP LOCATION LANE DIRECTION	LOOP WIRE MARKED AND CODED	LOOP SIZE	FREQ. INDUCTANCE	INSULATION	LOOP RESISTANCE

HDHH 1 EXAMPLE

IB-EB EXIT
CCW IN/
TO CABINET # _____

HDHH 2 EXAMPLE

IB (OB) LANE # _____
CCW /OUT
TO CABINET # _____

HDHH 3 EXAMPLE

IB-EB ENT.
LOOP #2
CW IN/

NOTE:
EACH LOOP WIRE SHALL BE TAGGED AS "IN" OR "OUT" AND "CW" OR "CCW". SHIELDED CABLE WILL BE TAGGED IN EACH HANDHOLE AND CABINET TO MATCH THE CABLE LOG.

FOR INFORMATION ONLY

REVISIONS	
NAME	DATE
R.L.	6/94
T.C.	10/96

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER
LOOP STATUS REPORT
SCALE: VERT. NONE
DATE 6-27-94
DRAWN BY G.M.
CHECKED BY R.L.

VI-4187

TRAFFIC SYSTEMS CENTER (TY-1TSC-418#7)

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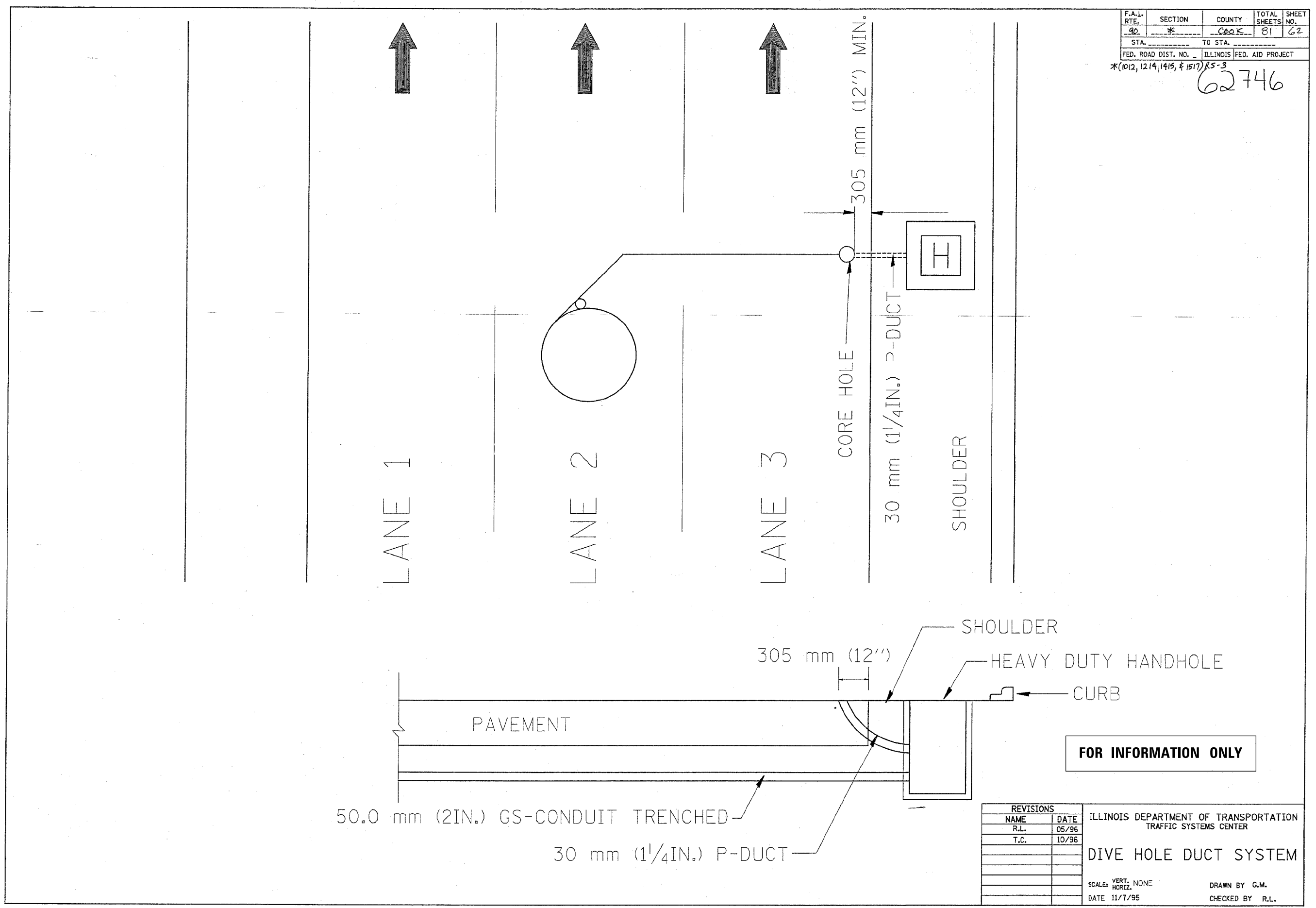
USER NAME = RGal	DESIGNED - RG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - CS/JB	REVISED -
PLOT DATE = 1/30/2020	CHECKED - JH	REVISED -
	DATE - 10/5/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INDUCTION LOOP PLANS			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	101
CONTRACT NO. 62J59				ILLINOIS FED. AID PROJECT

F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	*	COOK	81	62
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*(1012, 1214, 1415, & 1517) RS-3		62746		



FOR INFORMATION ONLY

REVISIONS	
NAME	DATE
R.L.	05/96
T.C.	10/96

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER
DIVE HOLE DUCT SYSTEM
SCALE: VERT. NONE
HORIZ. DATE 11/7/95
DRAWN BY G.M.
CHECKED BY R.L.

TRAFFIC SYSTEMS CENTER (TY-1TSC-418#8)

USER NAME = RGall	DESIGNED - RG	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - CS/JB	REVISED -
PLOT DATE = 1/30/2020	CHECKED - JH	REVISED -
	DATE - 10/5/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

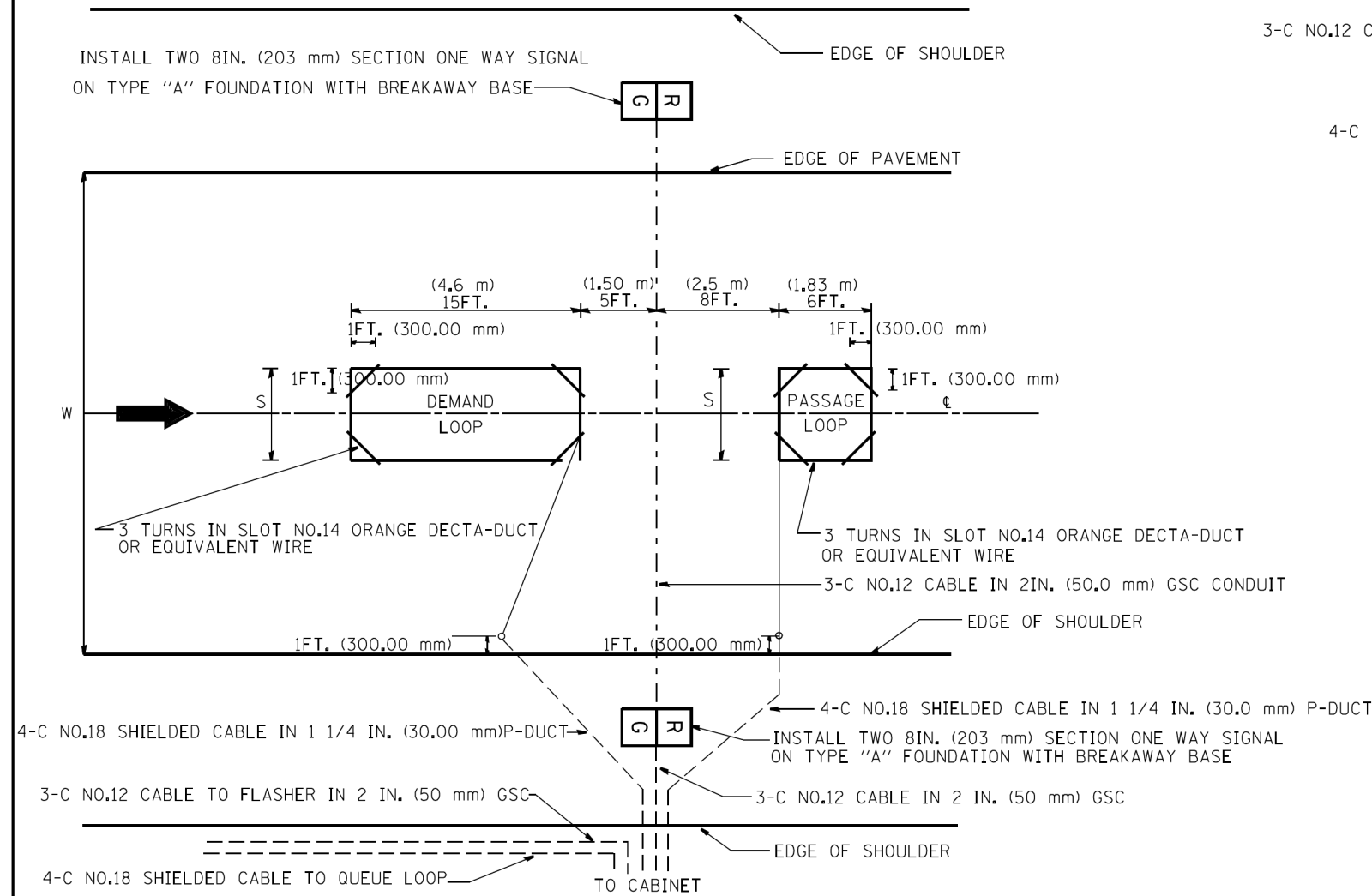
EXISTING INDUCTION LOOP PLANS

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

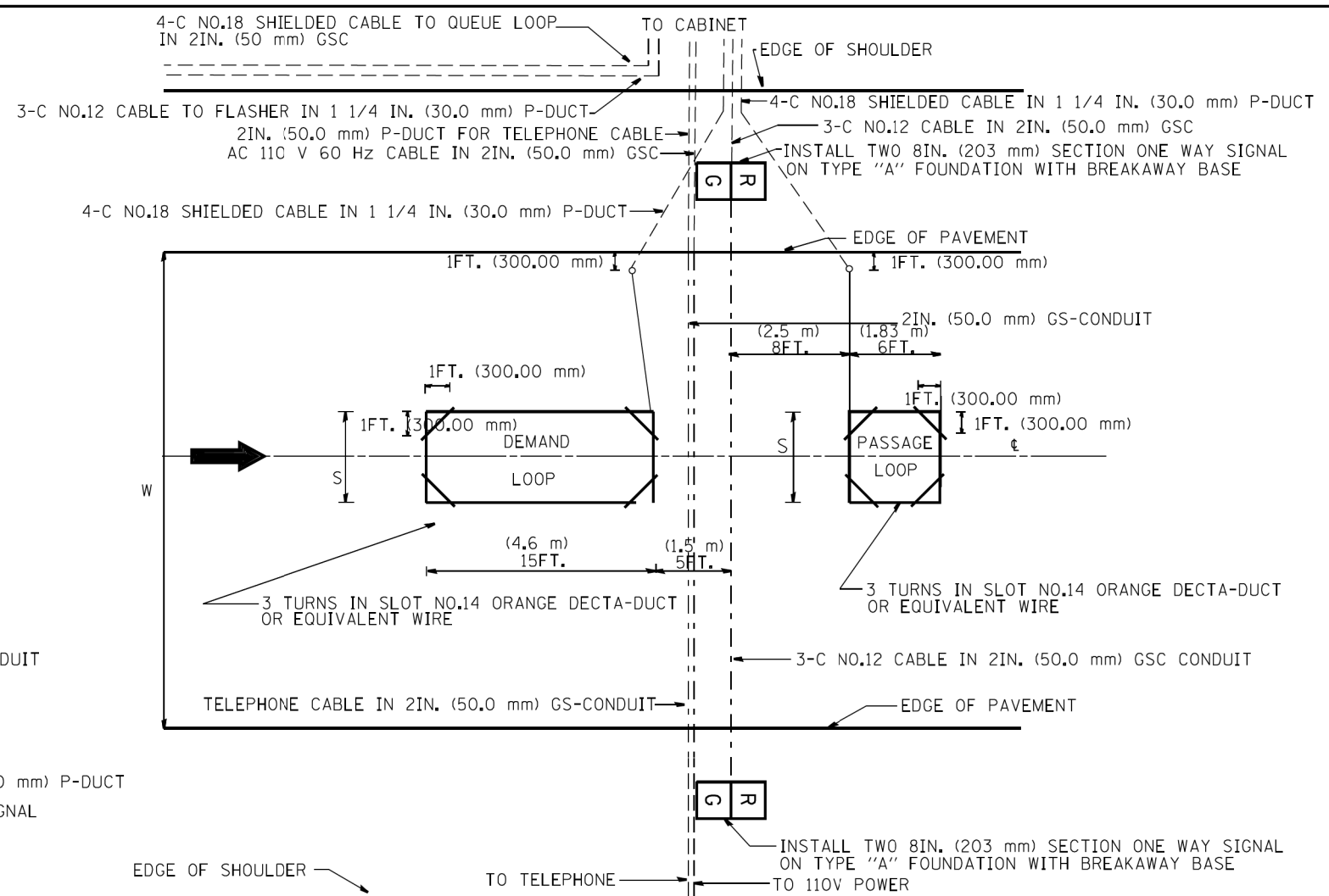
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	102
CONTRACT NO. 62J59				
ILLINOIS FED. AID PROJECT				

MODEL: D:\p\h\... FILE NAME: 21130399-211.DDOT D1.PFB 187-2006.WO 21.Kennedy Express\DCM\Design\Prelim\Revised\10162159-211-top-ec.dgn

VI-4188



TYPICAL SIGNAL AND LOOP LAYOUT (TYPE I)

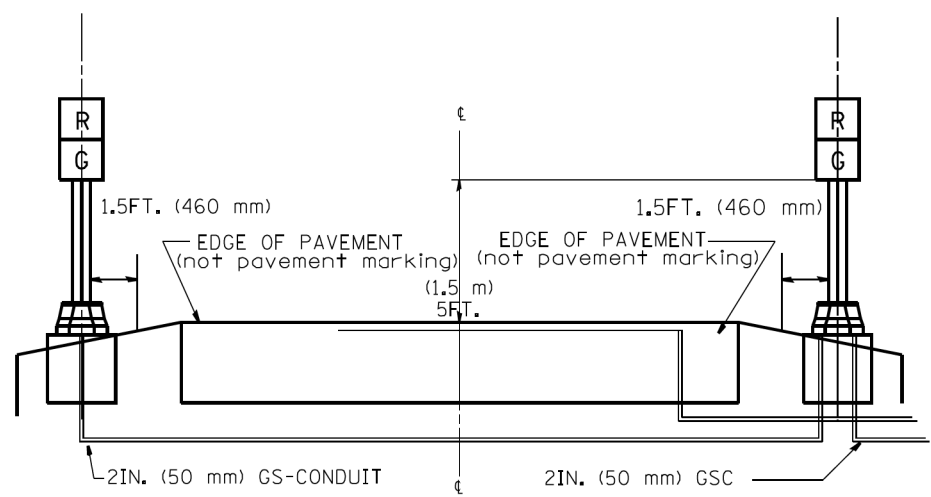


TYPICAL SIGNAL AND LOOP LAYOUT (TYPE II)

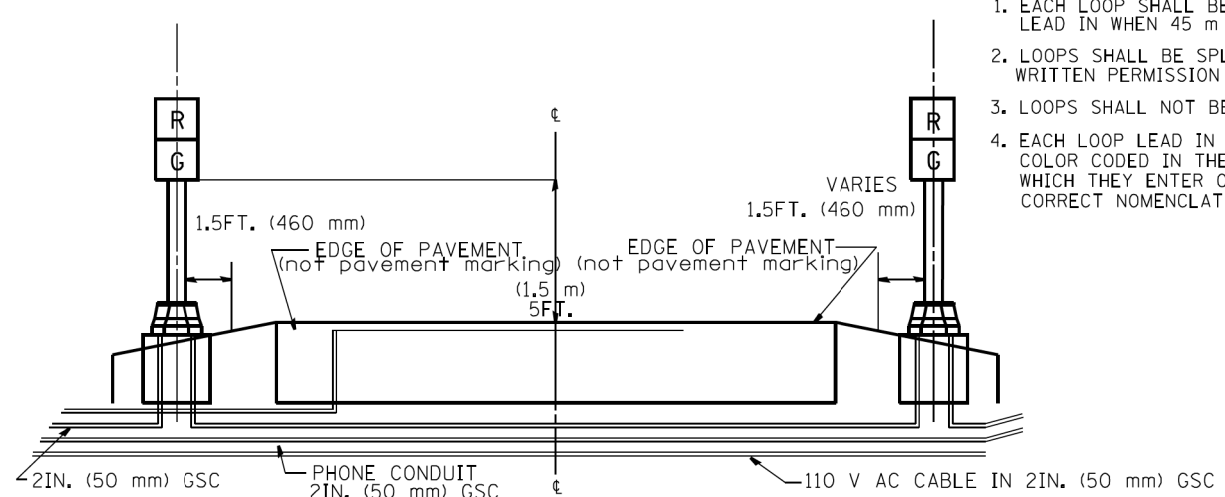
NOTE: ALL SIGNALS & FOUNDATIONS SHALL BE FIELD LOCATED FOR ACTUAL SITE AND TRAFFIC CONDITIONS.

- NOTES
1. EACH LOOP SHALL BE SPLICED TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 45 m (150FT.) OR MORE FROM CABINET.
 2. LOOPS SHALL BE SPLICED IN HANDHOLES ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
 3. LOOPS SHALL NOT BE SPLICED IN SERIES.
 4. EACH LOOP LEAD IN SHALL BE IDENTIFIED AND PERMANENTLY COLOR CODED IN THE COREHOLE, HANDHOLE & CABINETS THRU WHICH THEY ENTER OR PASS AND TAGGED WITH THE CORRECT NOMENCLATURES.

TABLE 1	
WIDTH (W)	WIDTH (S)
12' (3.7 m)	8' (2.5 m)
13' (4.0 m)	9' (2.8 m)
14' (4.3 m)	10' (3.1 m)
15' (4.6 m)	11' (3.4 m)
16' (4.9 m)	12' (3.7 m)
17' (5.2 m)	13' (4.0 m)
18' (5.5 m)	14' (4.3 m)
19' (5.8 m)	15' (4.6 m)
20' (6.1 m)	18' (4.9 m)
21' (6.4 m)	17' (5.2 m)
22' (6.7 m)	18' (5.5 m)
23' (7.0 m)	19' (5.8 m)
24' (7.3 m)	20' (6.1 m)
25' (7.6 m)	21' (6.4 m)



SECTION



SECTION

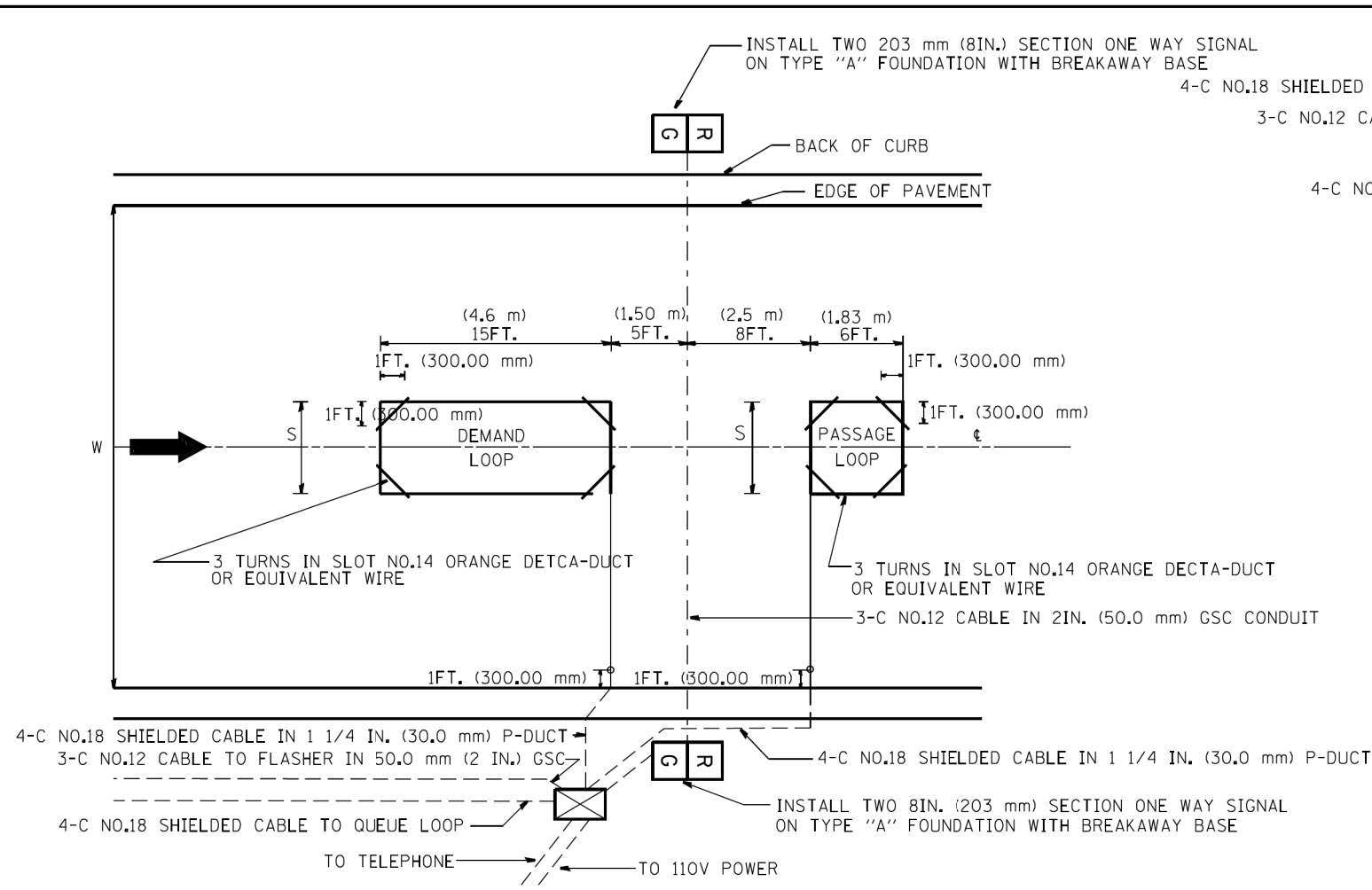
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ca:\pwork\pwidot\mezag\d0287541\TSCYF.dgn		DRAWN - G.M.	REVISED - 09/96
PLOT SCALE = 100.0000' / 1in.		CHECKED - R.L.	REVISED - 02/98
PLOT DATE = 8/23/2012		DATE - 06-22-94	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

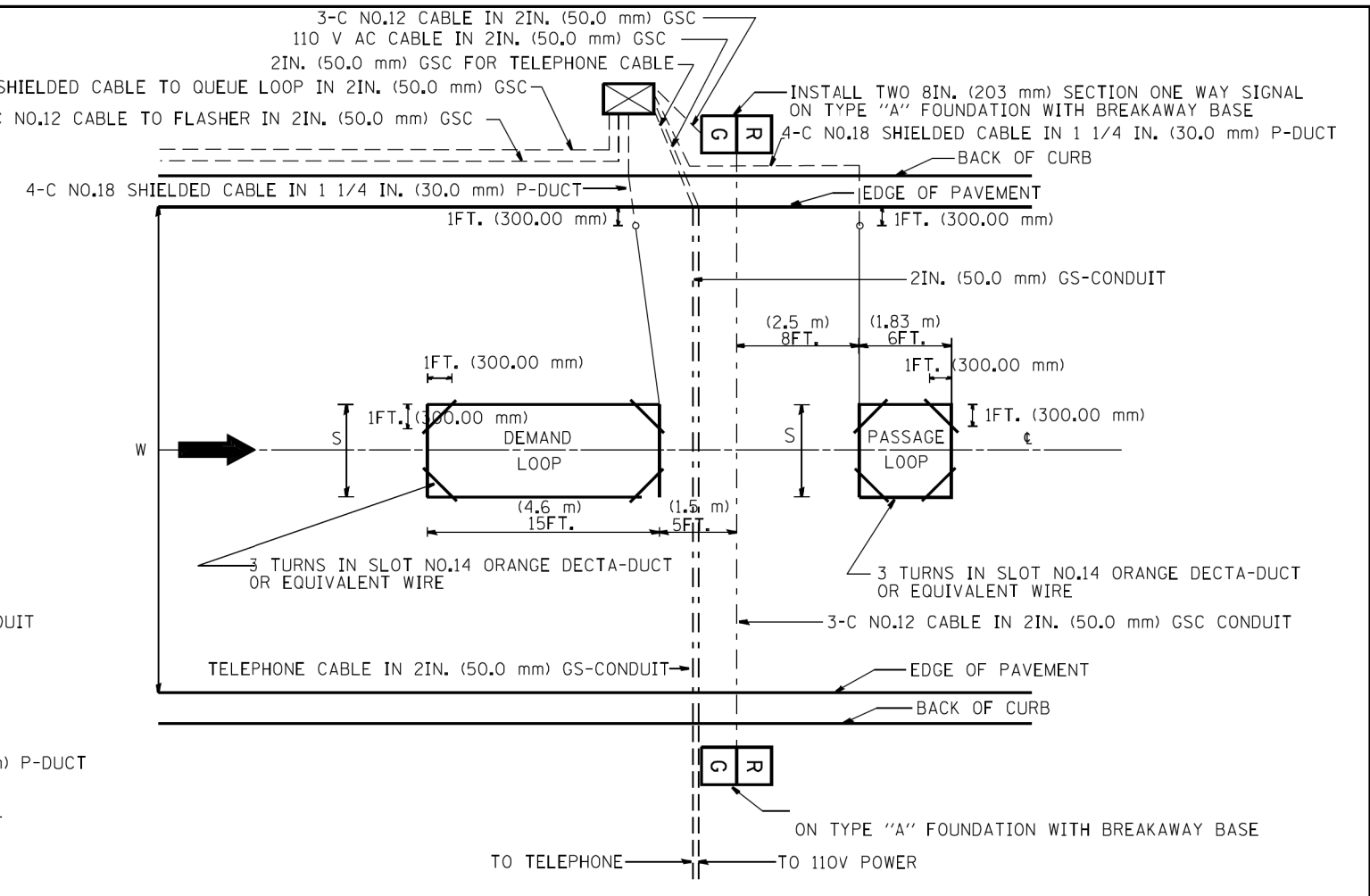
TYPICAL RAMP METERING
INSTALLATION TYPE I & II
(FOR RAMP WITHOUT CURBS & GUTTERS)

SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.

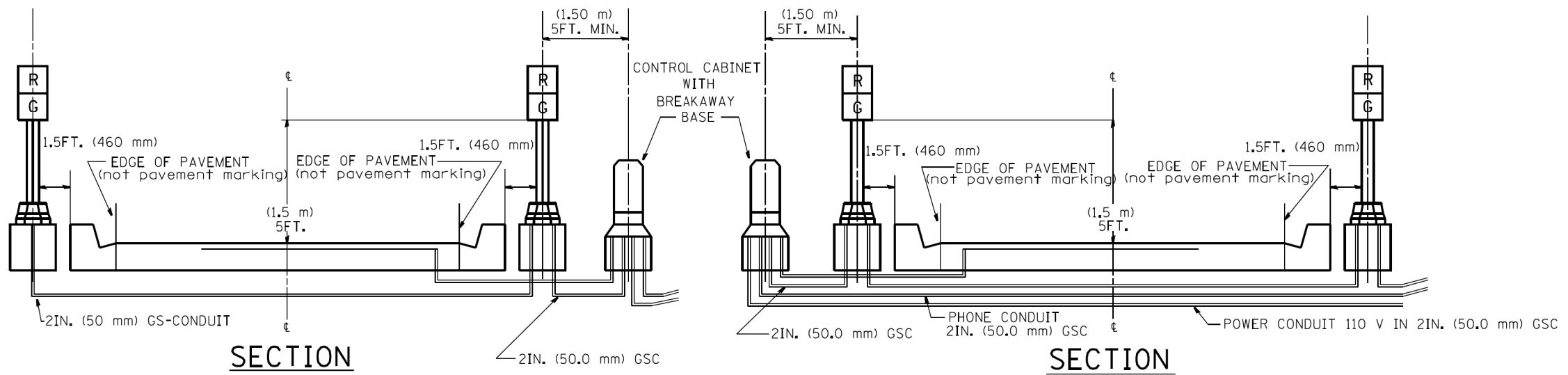
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-R5&T	COOK	119	103
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 62159	



TYPICAL SIGNAL AND LOOP LAYOUT (TYPE I)

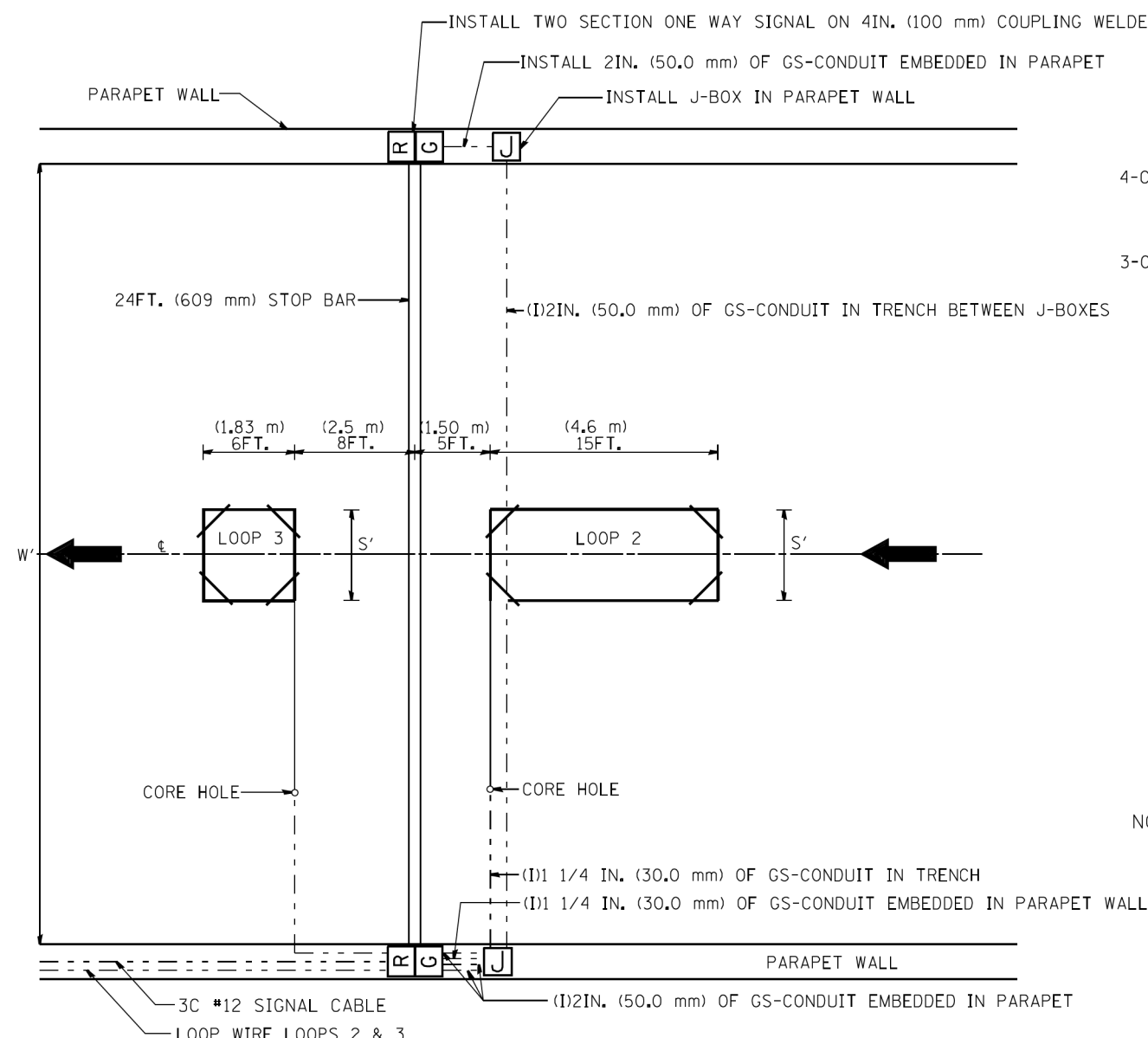


TYPICAL SIGNAL AND LOOP LAYOUT (TYPE II)

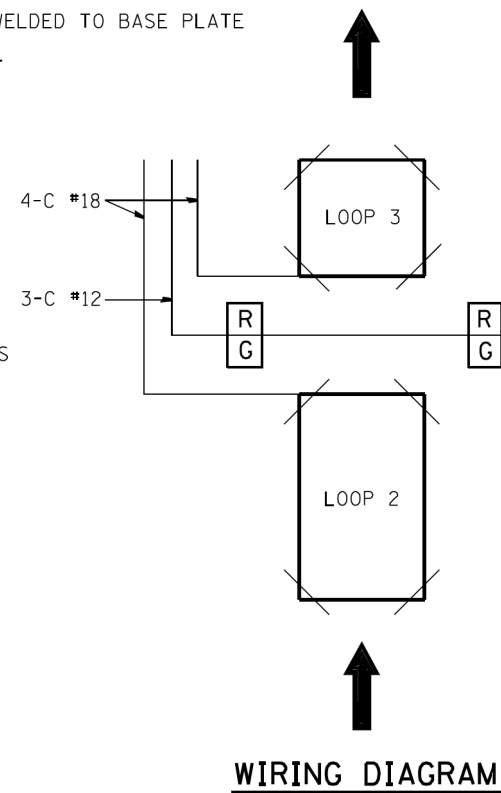


- NOTES:
1. EACH LOOP SHALL BE SPLICED TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 150FT. (45 m) OR MORE FROM CABINET.
 2. LOOPS SHALL BE SPLICED IN HANDHOLES ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
 3. LOOPS SHALL NOT BE SPLICED IN SERIES.
 4. EACH LOOP LEAD IN SHALL BE IDENTIFIED AND PERMANENTLY COLOR CODED IN THE COREHOLE, HANDHOLE & CABINETS THRU WHICH THEY ENTER OR PASS AND TAGGED WITH THE CORRECT NOMENCLATURES.

WIDTH (W)	WIDTH (S)
12' (3.7 m)	8' (2.5 m)
13' (4.0 m)	9' (2.8 m)
14' (4.3 m)	10' (3.1 m)
15' (4.6 m)	11' (3.4 m)
16' (4.9 m)	12' (3.7 m)
17' (5.2 m)	13' (4.0 m)
18' (5.5 m)	14' (4.3 m)
19' (5.8 m)	15' (4.6 m)
20' (6.1 m)	18' (4.9 m)
21' (6.4 m)	17' (5.2 m)
22' (6.7 m)	18' (5.5 m)
23' (7.0 m)	19' (5.8 m)
24' (7.3 m)	20' (6.1 m)
25' (7.6 m)	21' (6.4 m)



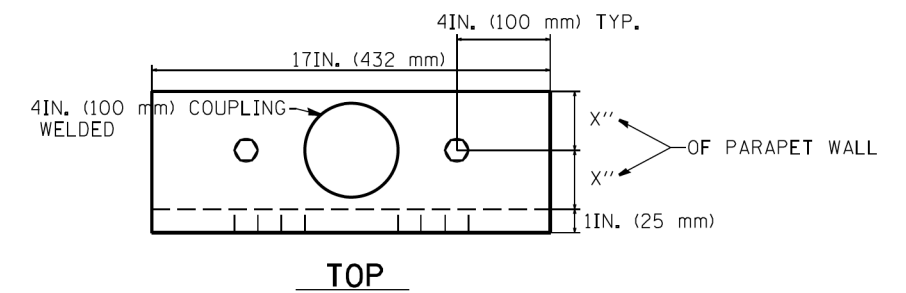
TYPICAL LOOP LAYOUT



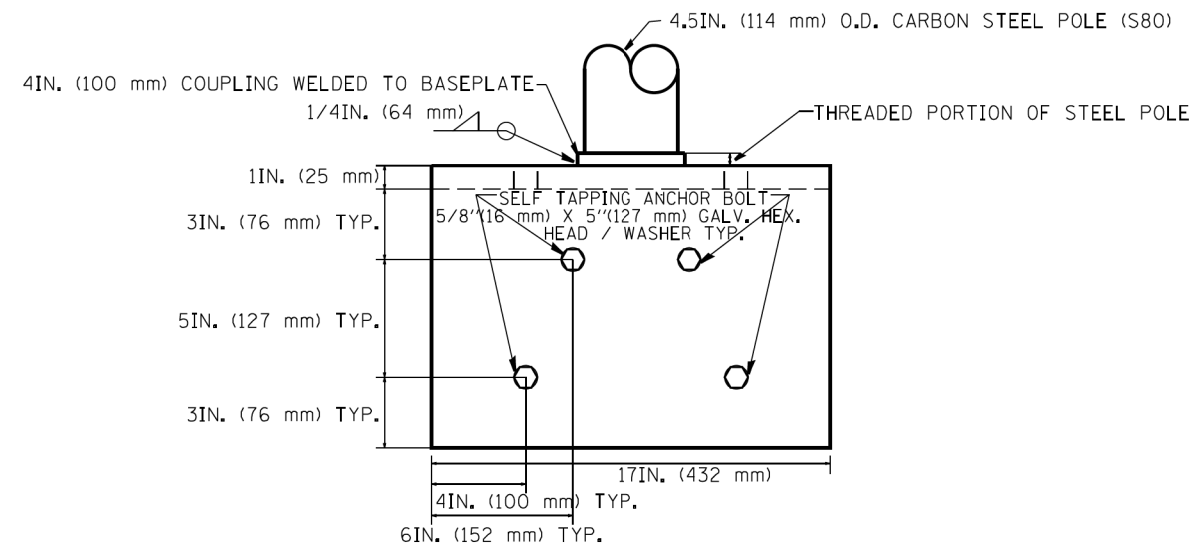
WIRING DIAGRAM

NOTES

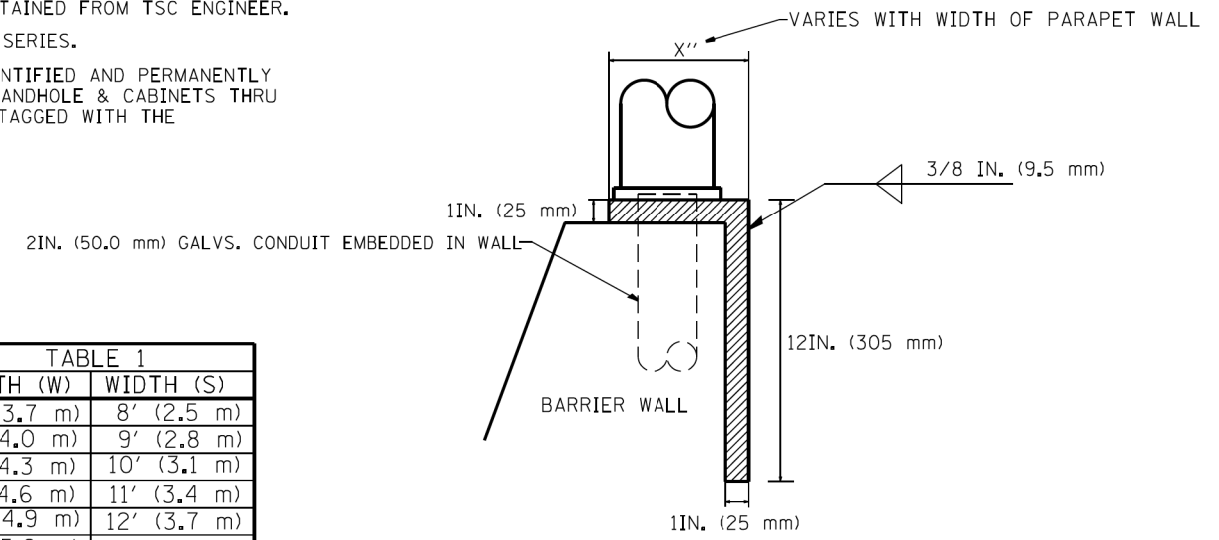
1. EACH LOOP SHALL BE SPLICED TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 150FT. (45 m) OR MORE FROM CABINET.
2. LOOPS SHALL BE SPLICED IN HANDHOLES OR J-BOX ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
3. LOOPS SHALL NOT BE SPLICED IN SERIES.
4. EACH LOOP LEAD IN SHALL BE IDENTIFIED AND PERMANENTLY COLOR CODED IN THE COREHOLE, HANDHOLE & CABINETS THRU WHICH THEY ENTER OR PASS AND TAGGED WITH THE CORRECT NOMENCLATURES.



TOP



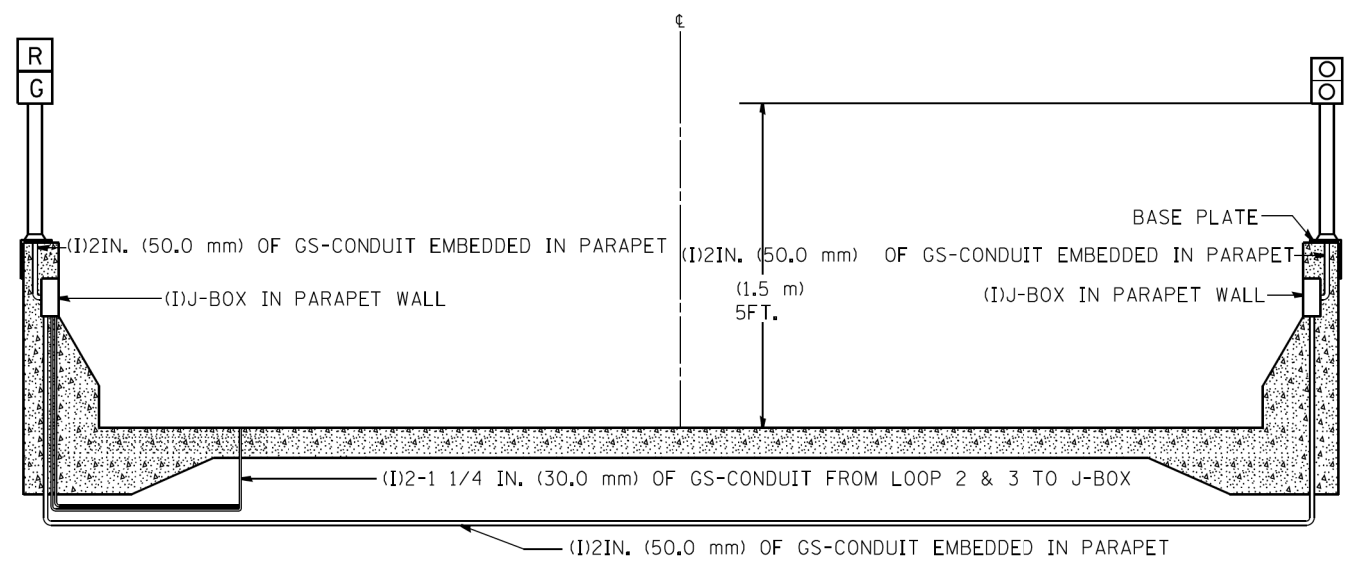
FRONT



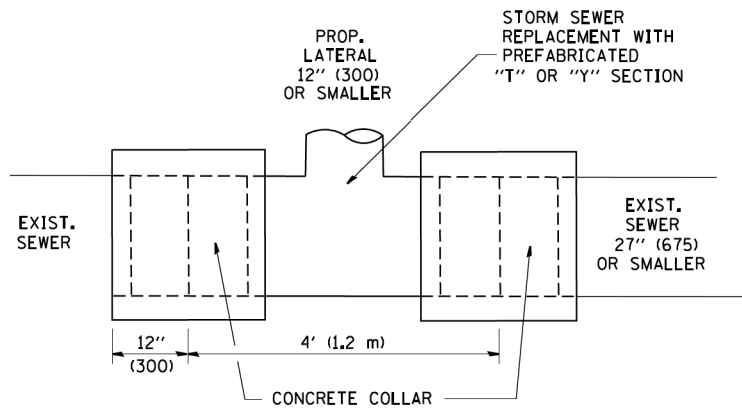
SIDE

TABLE 1

WIDTH (W)	WIDTH (S)
12' (3.7 m)	8' (2.5 m)
13' (4.0 m)	9' (2.8 m)
14' (4.3 m)	10' (3.1 m)
15' (4.6 m)	11' (3.4 m)
16' (4.9 m)	12' (3.7 m)
17' (5.2 m)	13' (4.0 m)
18' (5.5 m)	14' (4.3 m)
19' (5.8 m)	15' (4.6 m)
20' (6.1 m)	18' (4.9 m)
21' (6.4 m)	17' (5.2 m)
22' (6.7 m)	18' (5.5 m)
23' (7.0 m)	19' (5.8 m)
24' (7.3 m)	20' (6.1 m)
25' (7.6 m)	21' (6.4 m)

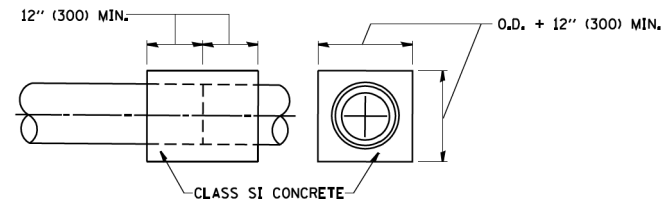
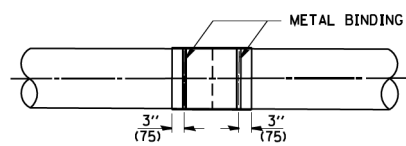
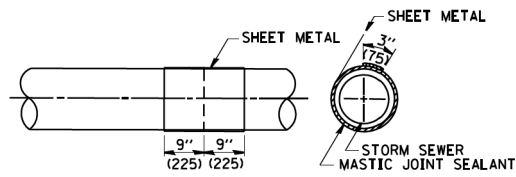
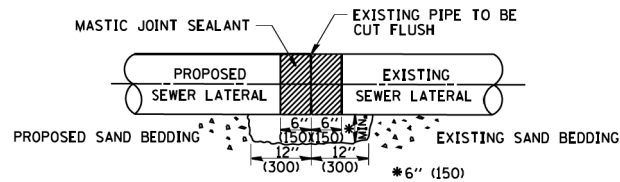


SECTION



DETAIL "A"

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

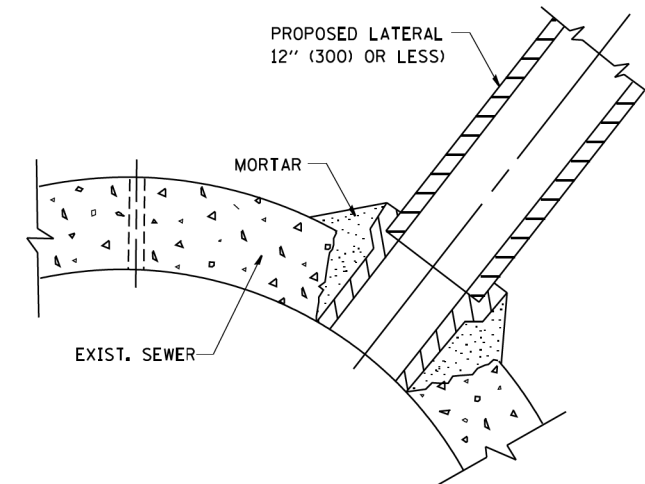


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

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



DETAIL "C"

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

NOTES

MATERIAL

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

CONSTRUCTION METHODS

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

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

GENERAL

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

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

BASIS OF PAYMENT

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

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

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

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

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

FILE NAME =	USER NAME = geglano
W:\distata\22x34\bd07.dgn	

DESIGNED - M. DE YONG	REVISOR - M. DE YONG 05-08-92
DRAWN -	REVISOR - R. SHAH 09-09-94
PLOT SCALE = 50.000' / IN.	REVISOR - R. SHAH 10-25-94
PLOT DATE = 1/4/2008	REVISOR - R. SHAH 06-12-96

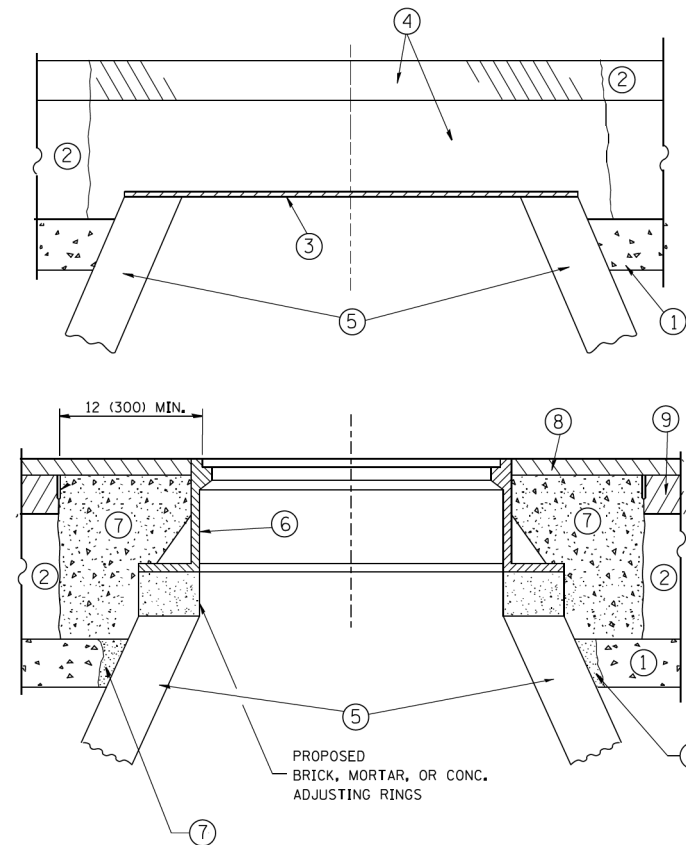
DATE - 07-25-90	
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DATE - 07-25-90	
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	106
BD500-01 (BD-7)			CONTRACT NO. 62J59	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT:

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

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

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

NOTES:

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

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

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

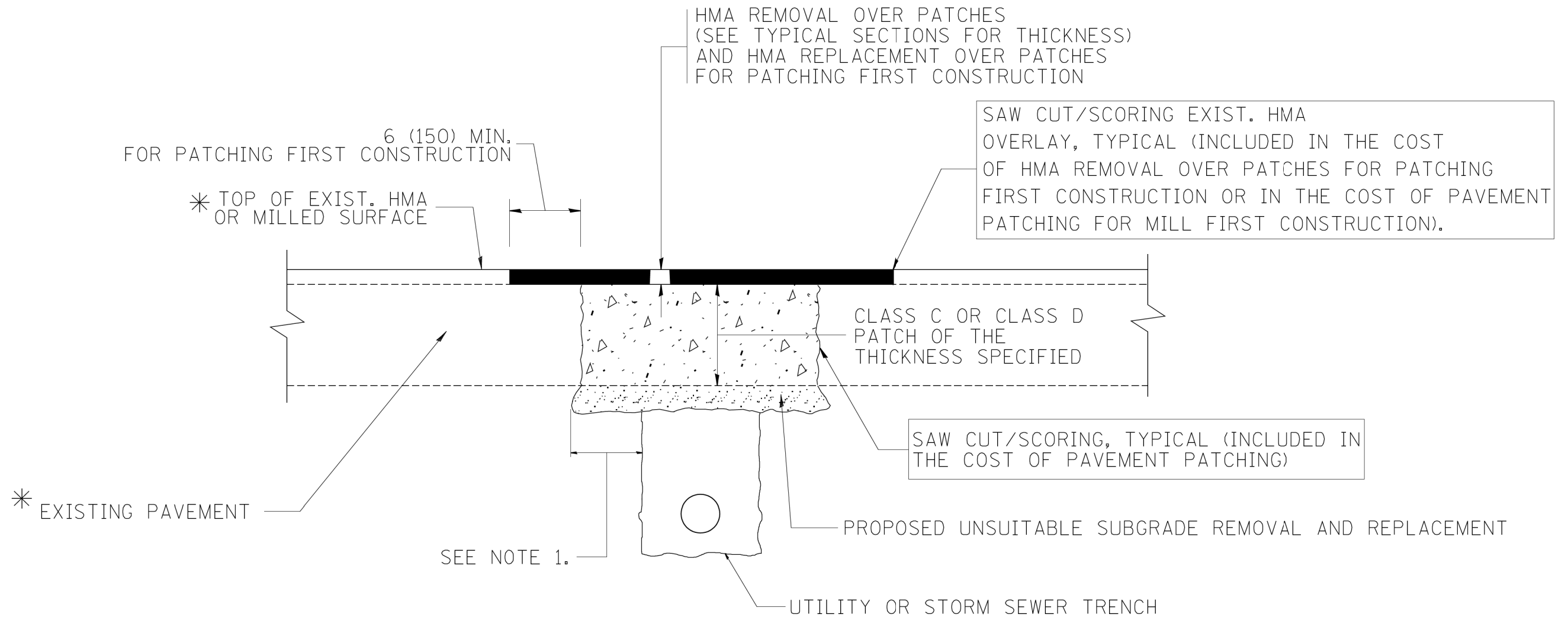
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
ca:\pwork\pwork\baerd1\d0108315\bd08.dgn		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 1/68.5000 "/ m	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 12/6/2011	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	107
BD600-03 (BD-8)		CONTRACT NO. 62J59		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

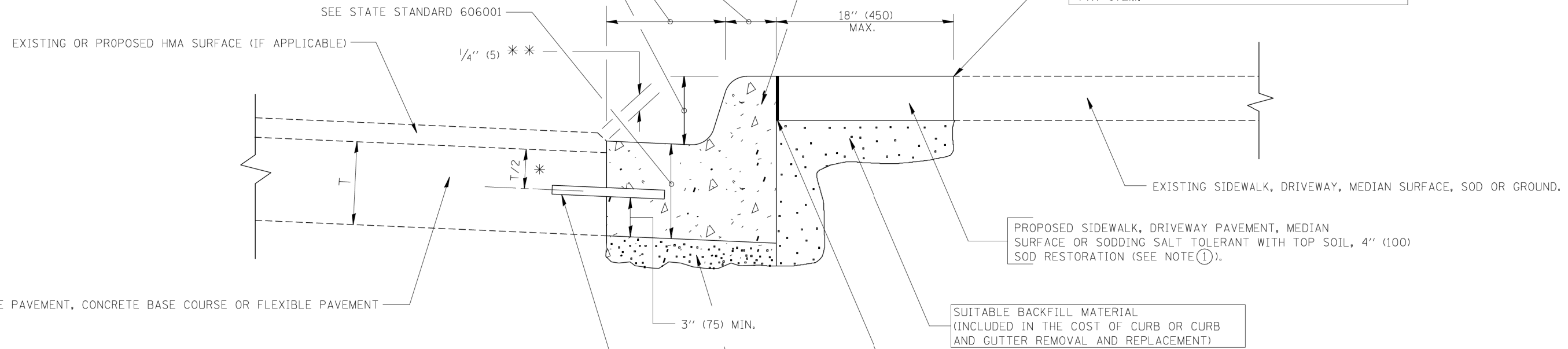
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = c:\projects\diststd22x34\bd22.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. BORO 01-01-07		90	2019-082-R5&T	COOK	119	108			
		PLOT SCALE = 50.000' / IN.	REVISED - R. BORO 09-04-07		BD400-04 (BD-22)		CONTRACT NO. 62J59					
		PLOT DATE = 10/27/2008	REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

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

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

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



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

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

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY. SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY,

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

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

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

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

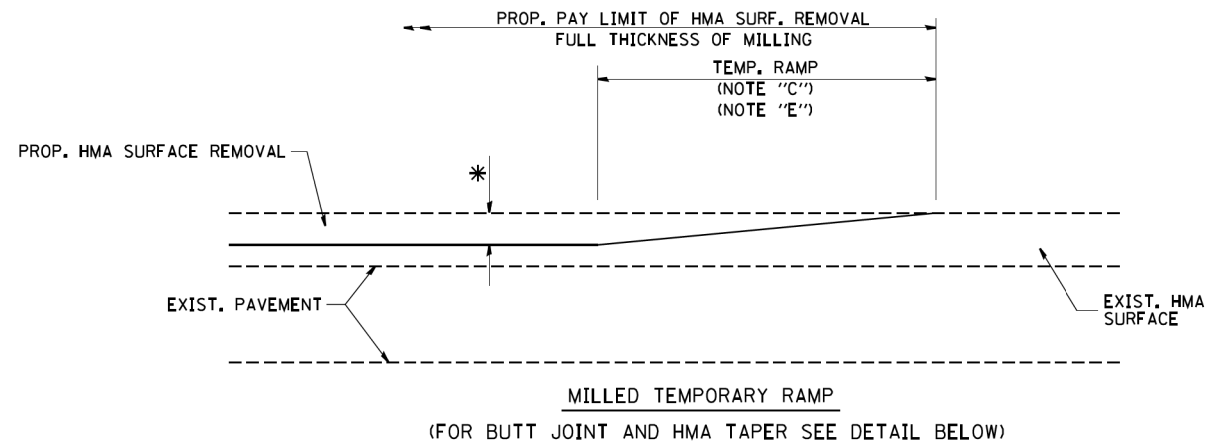
PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

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

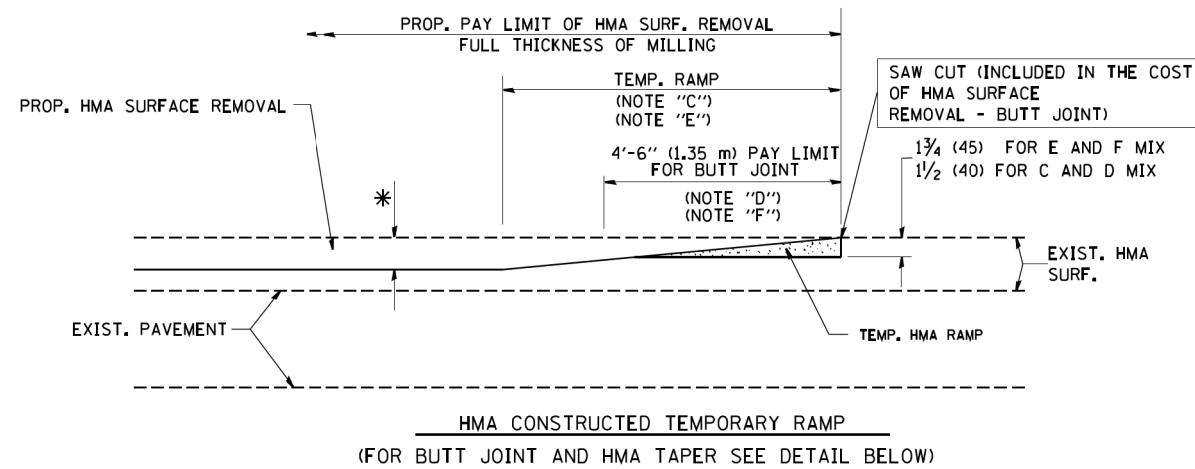
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = drivakosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ci:\p\work\p\dot\drivakosgn\d0108315\bd24.dgn	DRAWN -	REVISED - A. ABBAS 03-21-97	REVISED - M. GOMEZ 01-22-01			90	2019-082-RS&T	COOK	119	109	
PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. BORO 12-15-09				BD600-06 (BD-24)		CONTRACT NO. 62J59			
PLOT DATE = 12/15/2009	DATE - 03-11-94					SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.	

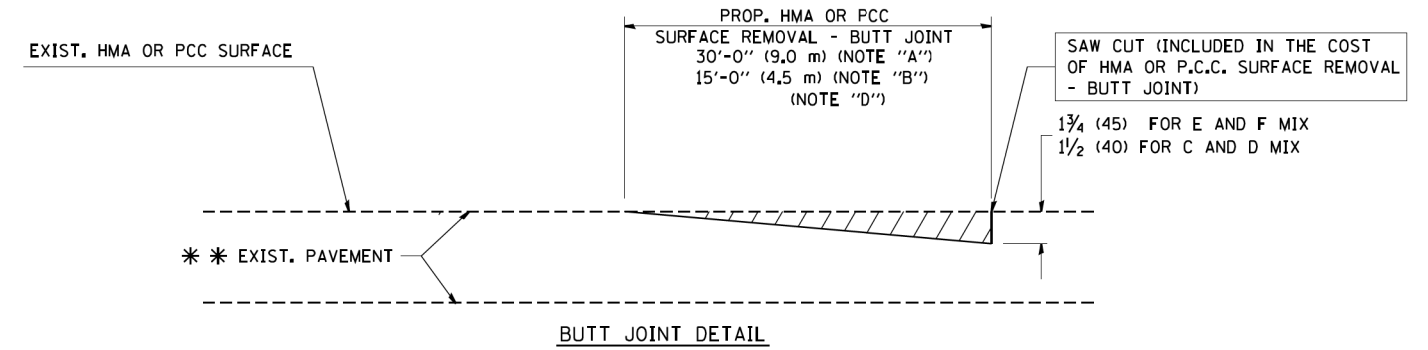


OPTION 1

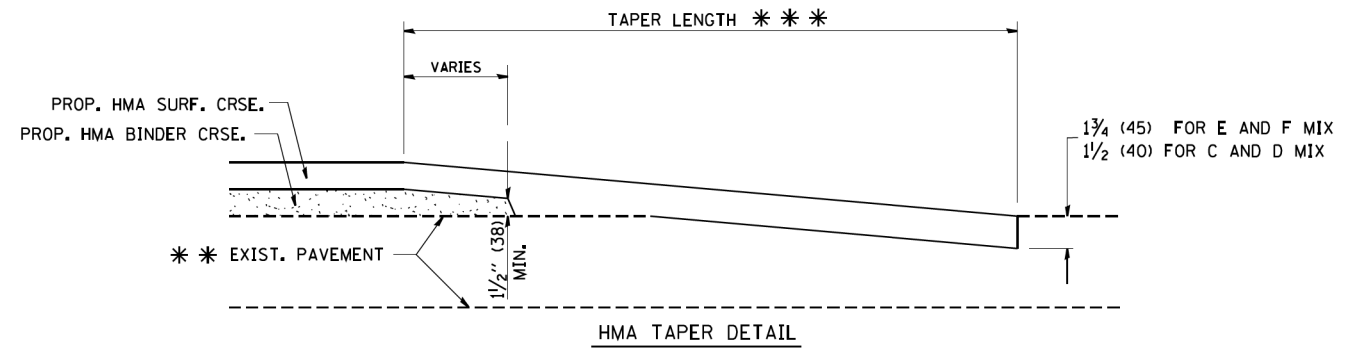


OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

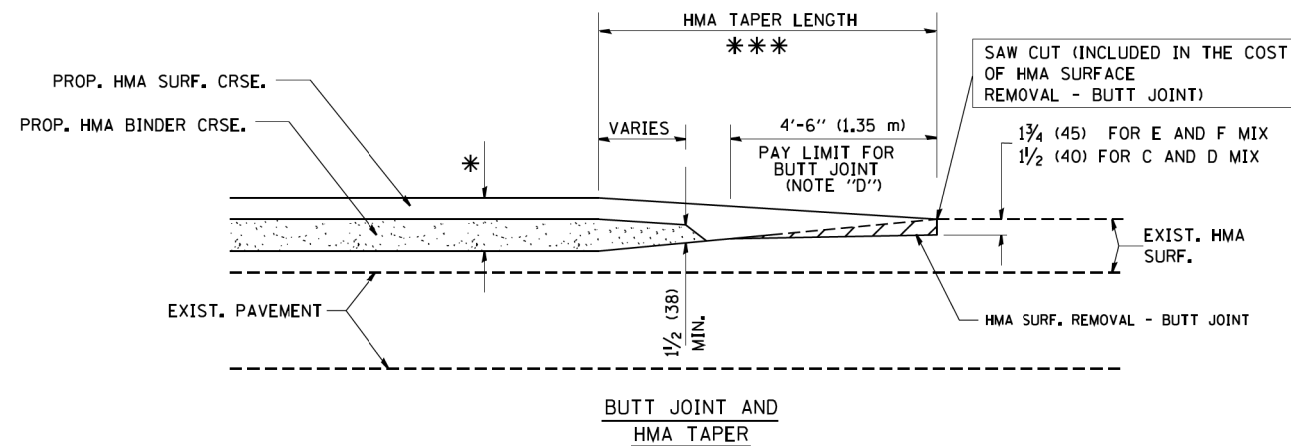
NOTES

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

BASIS OF PAYMENT:

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

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



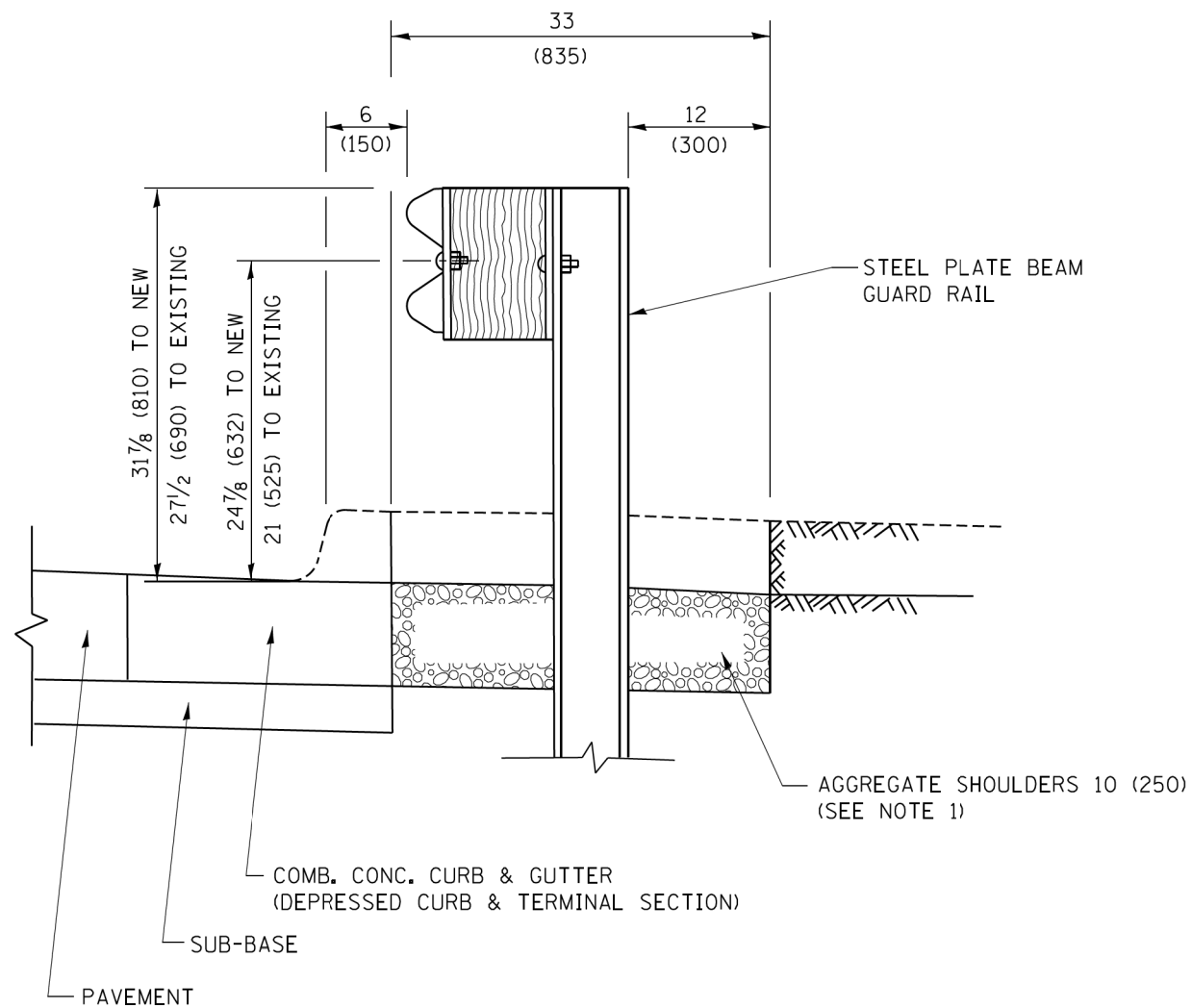
TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

FILE NAME = W:\distata\22x34\bd32.dgn	USER NAME = gaglianobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINT AND HMA TAPER DETAILS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

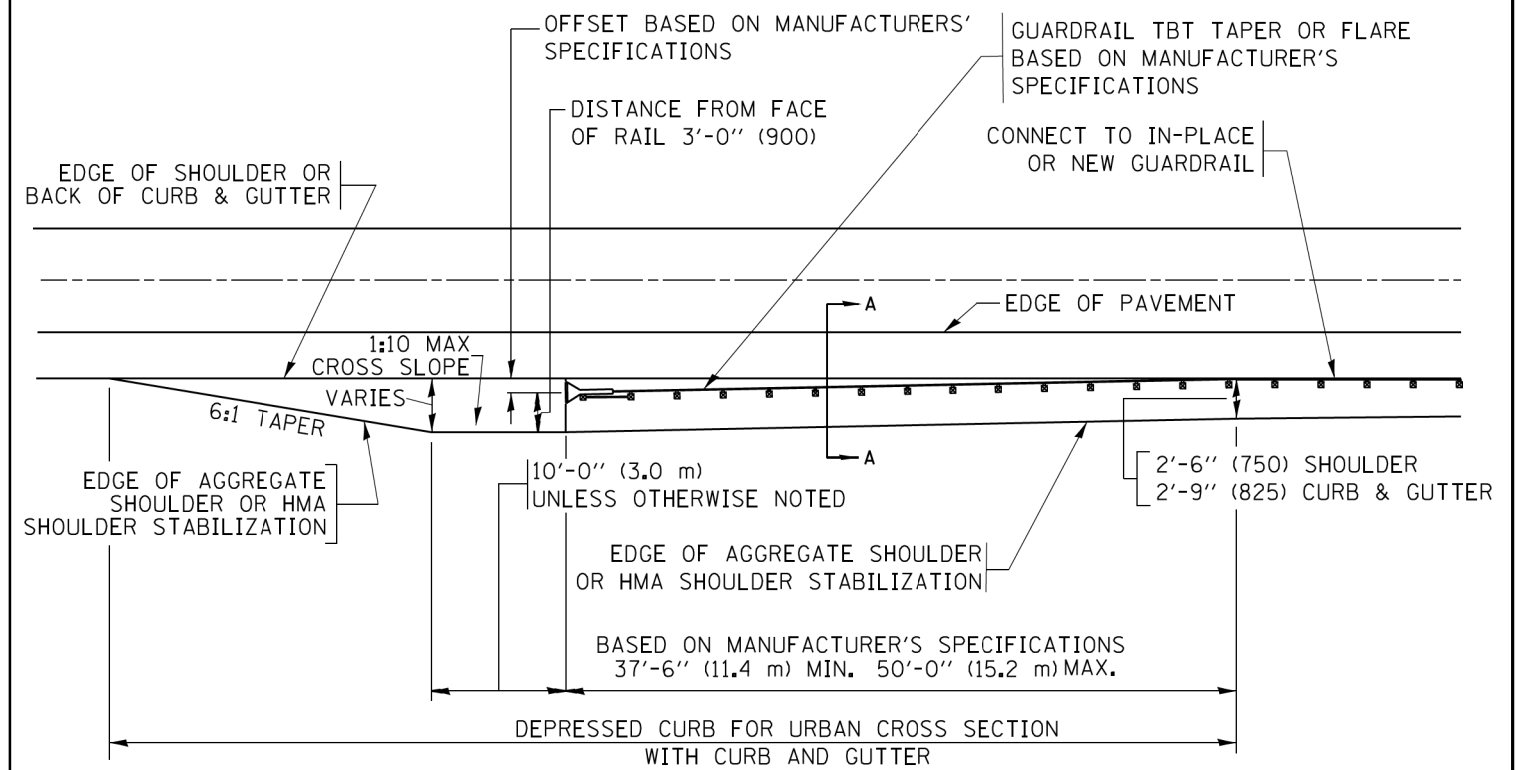
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-R5&T	COOK	119	110
BD400-05 BD32		CONTRACT NO. 62159		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SECTION A-A

- NOTES:
1. THE AGGREGATE SHOULDER, 10 (250) OR HMA SHOULDER, 6 (150) (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
 2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
 3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION HEIGHT TO BE PLACED MUST MATCH THE HEIGHT OF THE IN-PLACE GUARDRAIL.

**DETAILS FOR STEEL PLATE BEAM
GUARD RAIL ADJACENT TO CURB AND GUTTER
[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]**



**DEPRESSED CURB AND GUTTER AND
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

AGGREGATE SHOULDER, 10 (250) WILL BE PAID ACCORDING TO SECTION 481.

HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID ACCORDING TO SECTION 482.

COMB. CONC. C&G, STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

TBT = TRAFFIC BARRIER TERMINAL
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

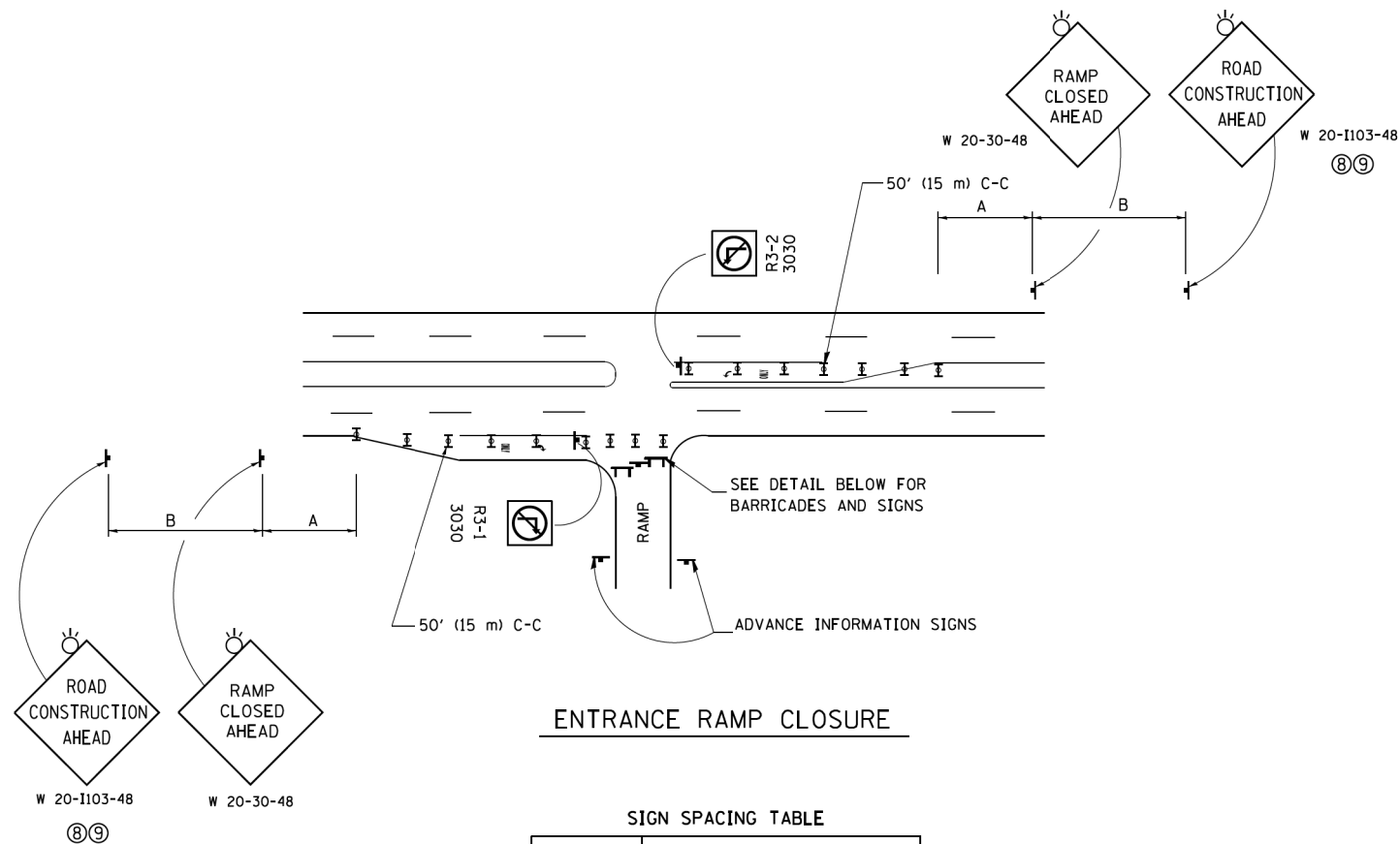
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Default	PLOT DATE = 12/21/2015	DATE - 09-22-90	REVISED - R. BORO 05-08-2015

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR DEPRESSED CURB & GUTTER AND
SHOULDER TREATMENT AT TBT TY. 1 SPL.

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	111
BD600-10 (BD 34)		CONTRACT NO. 62J59		
ILLINOIS FED. AID PROJECT				

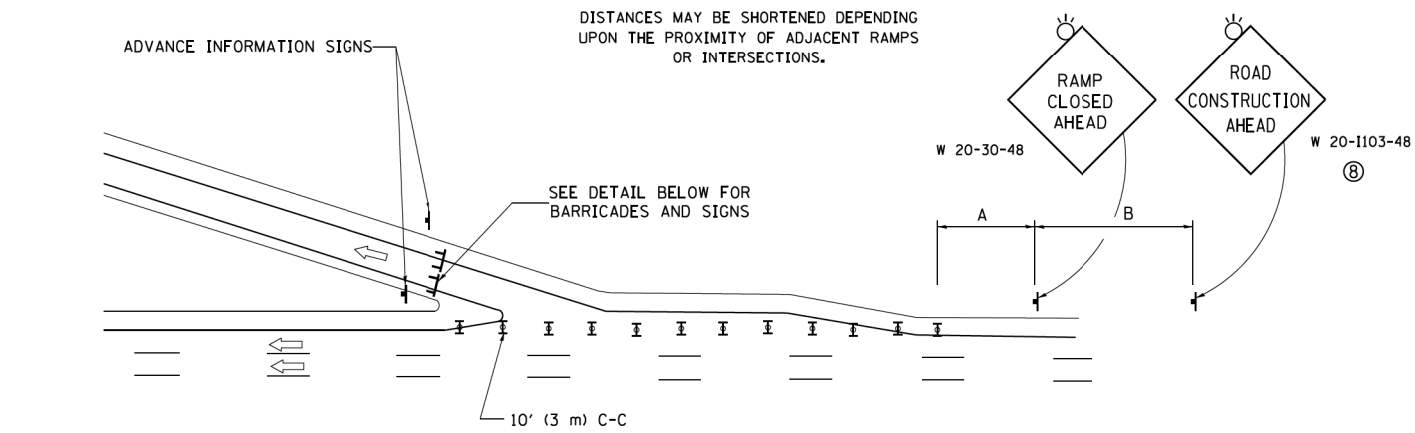


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

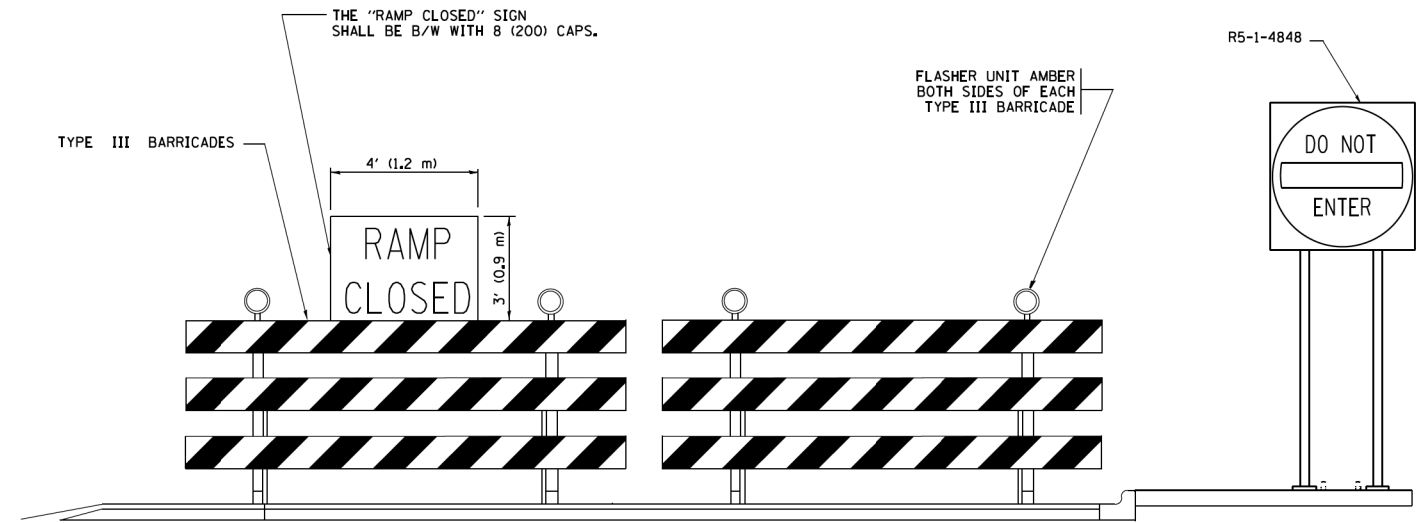
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

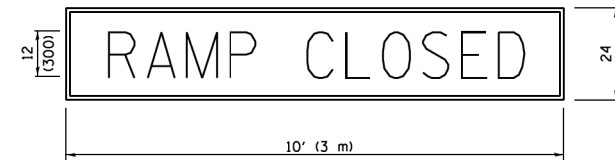
SYMBOLS

- ⌚ TYPE II BARRICADE OR DRUM
- ▬ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



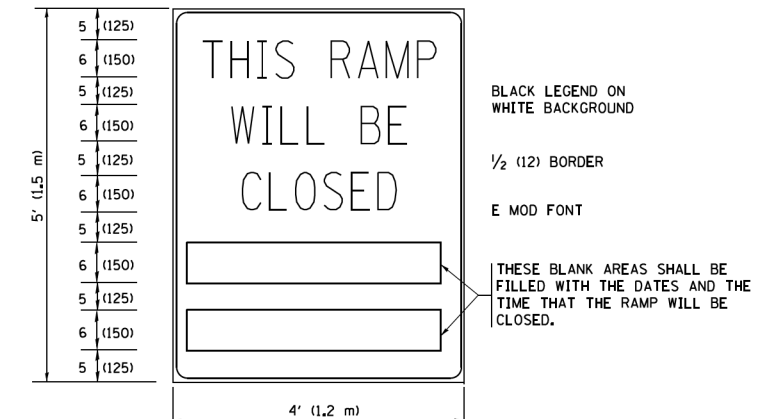
DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY E MOD FONT 1 (25) BORDER
 THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.
 THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH.
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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

FILE NAME =	USER NAME = footemj	DESIGNED - D.W.S.	REVISED - S.P.B. 01-07
pw\1\084EBID\INTEG\illinois.gov\FWIDOT\Documents\DOT Offices\District 1\Projects\Dist 1\CAD\CADData\CAASheets\to08.dgn		DRAWN	REVISED - S.P.B. 12-09
Default	PLOT SCALE = 50,000' / 1" =	CHECKED -	REVISED - M.D. 06-13
	PLOT DATE = 11/27/2017	DATE - 02-83	REVISED - M.D. 01-18

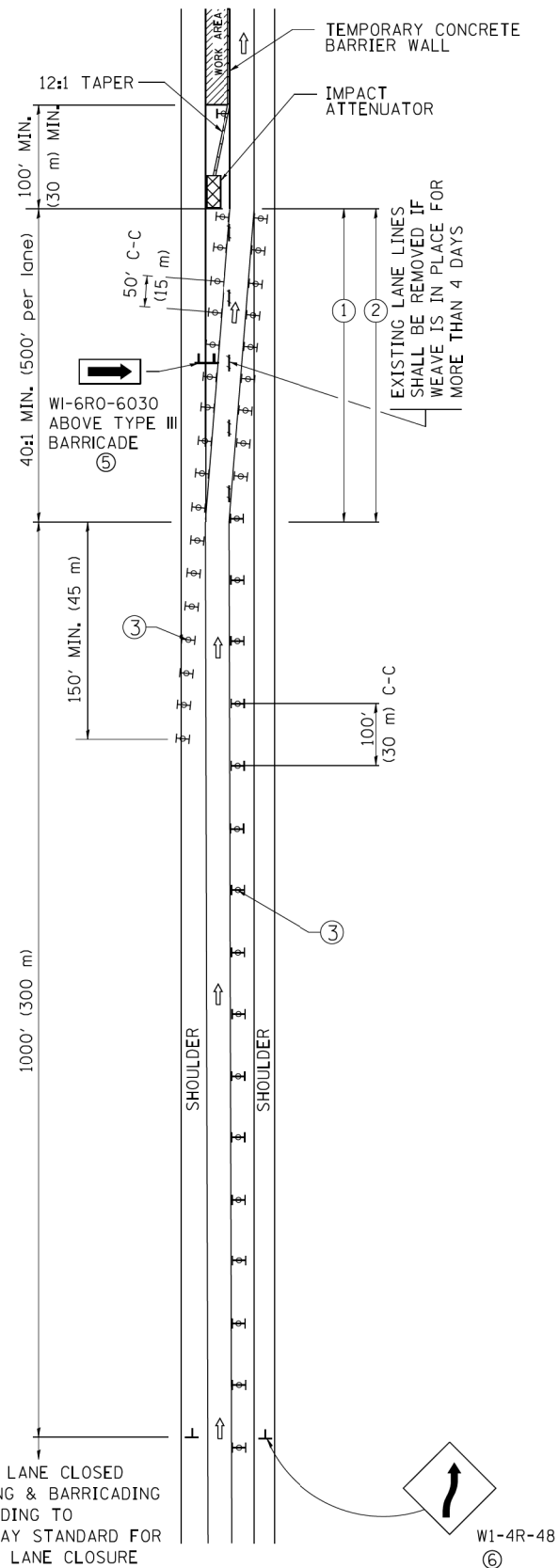
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

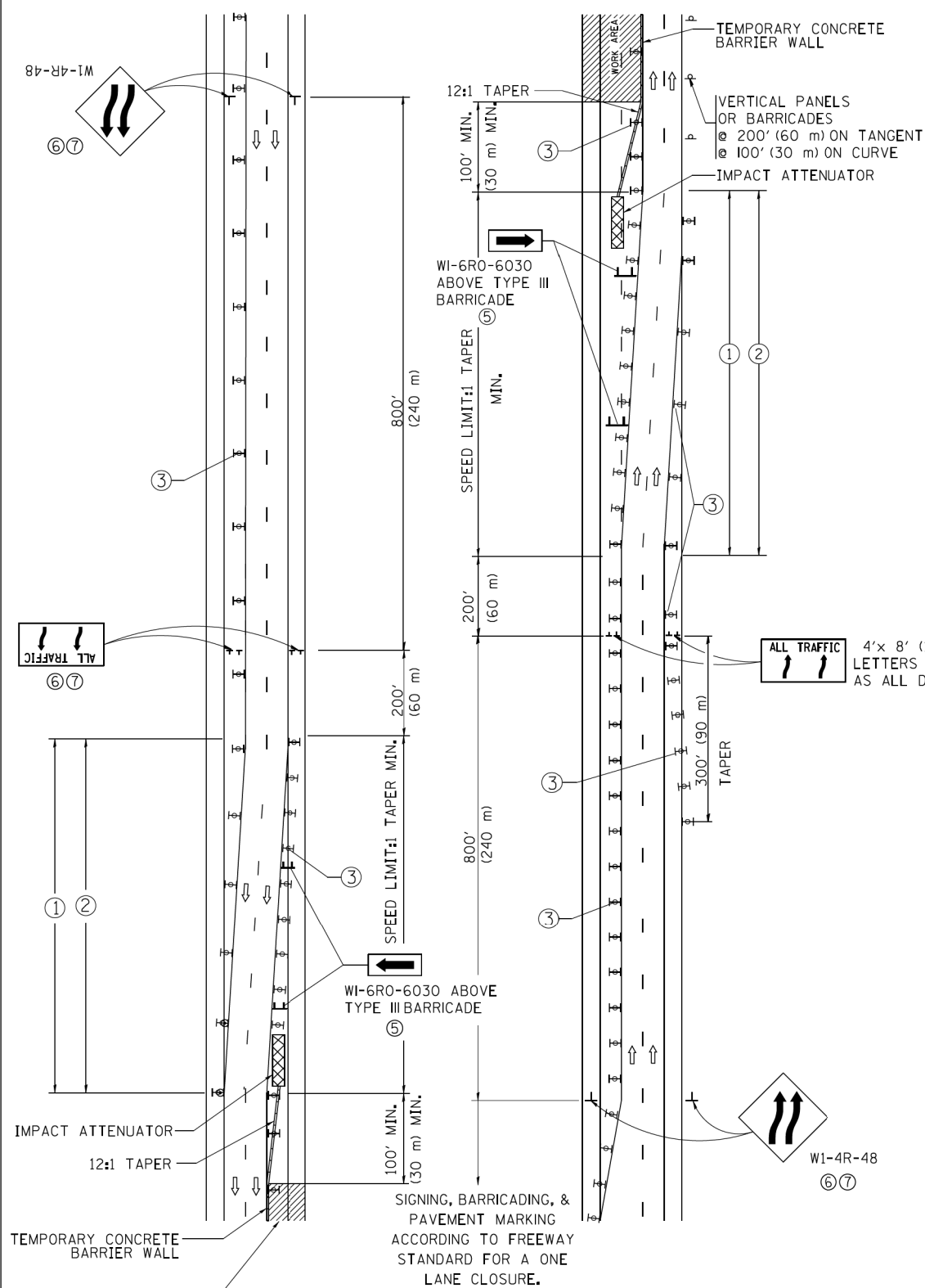
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2019-082-RS&T	COOK	119	112
TC-08			CONTRACT NO. 62J59	
ILLINOIS FED. AID PROJECT				

SINGLE LANE WEAVE



MULTI-LANE WEAVE



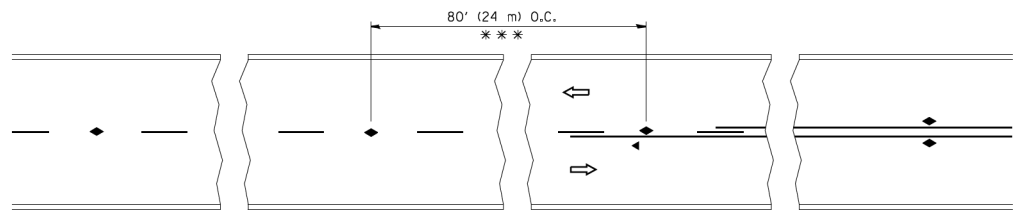
- ### GENERAL NOTES
- EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
 - CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
 - PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
 - ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
 - TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
 - WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
 - THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

4'x 8' (1.2 m x 2.4 m); 1 (25) BORDER; 10 (250) CAPITAL LETTERS BACKGROUND SHEETING SHALL BE THE SAME AS ALL DIAMOND SHAPED CONSTRUCTION SIGNS.

- ### SYMBOLS
- DIRECTION OF TRAFFIC
 - WORK AREA
 - SIGN ON PORTABLE OR PERMANENT SUPPORT
 - TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
 - TEMPORARY CONCRETE BARRIER WALL
 - IMPACT ATTENUATOR
 - W1-4R-48 (6, 7)
 - W24-1-48 (7)

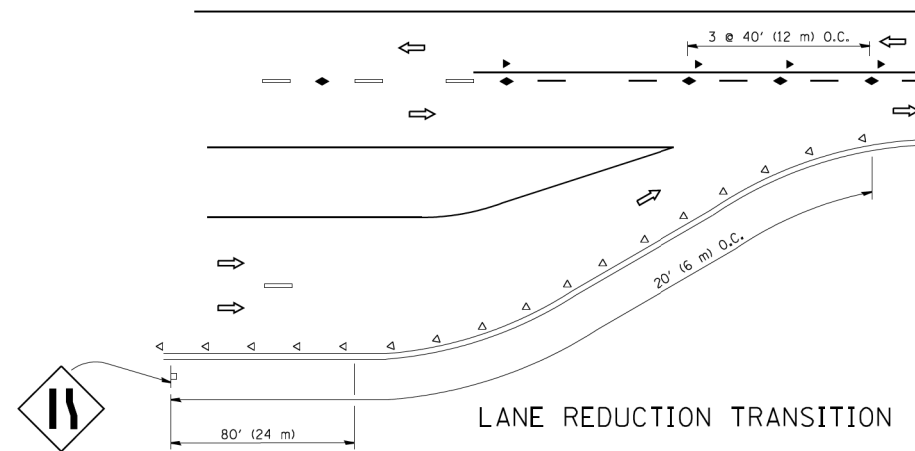
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = footemj	DESIGNED - DWS	REVISED - JAF 02-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE			F.A.I. RTE. 90	SECTION 2019-082-RS&T	COUNTY COOK	TOTAL SHEETS 119	SHEET NO. 113
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	PLOT DATE = 7/1/2013	CHECKED -	REVISED - SPB 12-09					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
		DATE - 02-87	REVISED - MD 06-13									

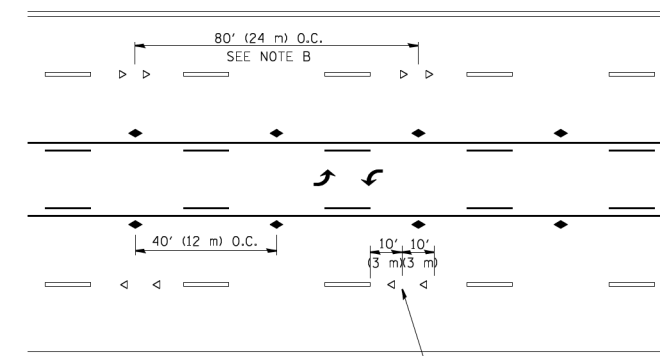


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

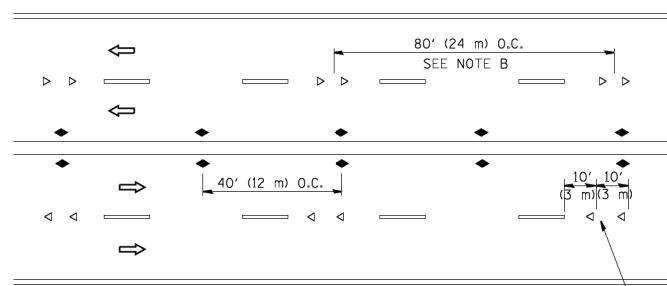
TWO-LANE/TWO-WAY



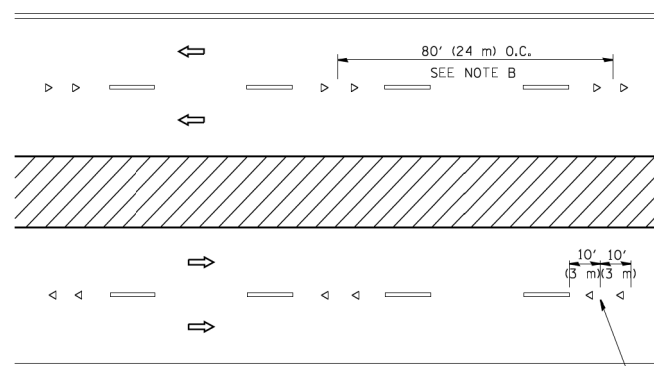
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

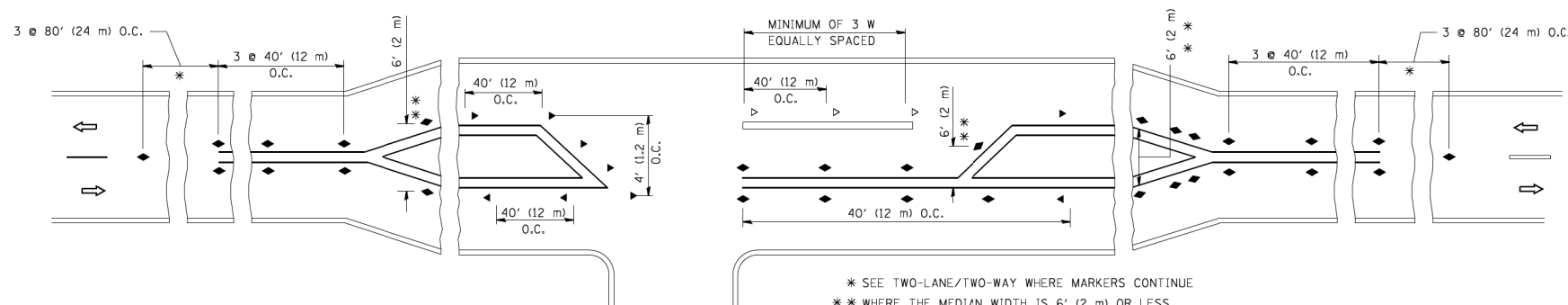
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- < ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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

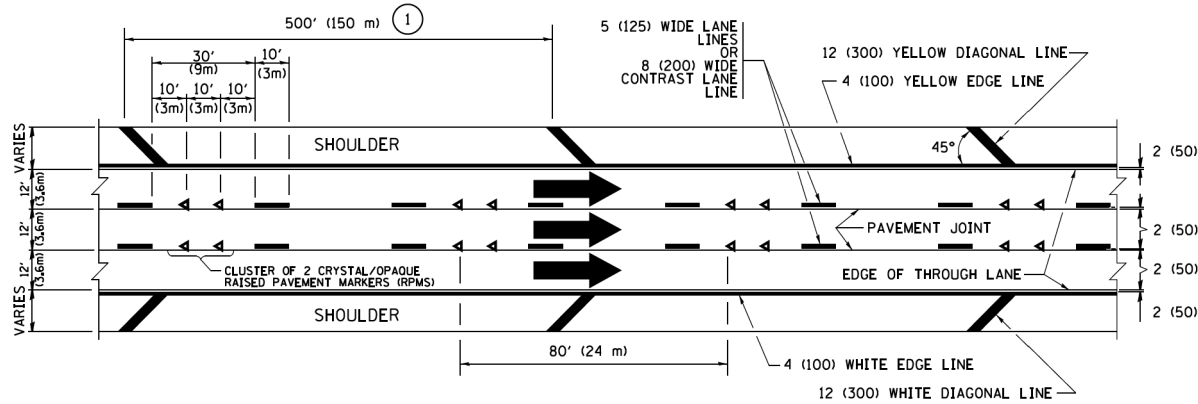


* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

LEFT TURN

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

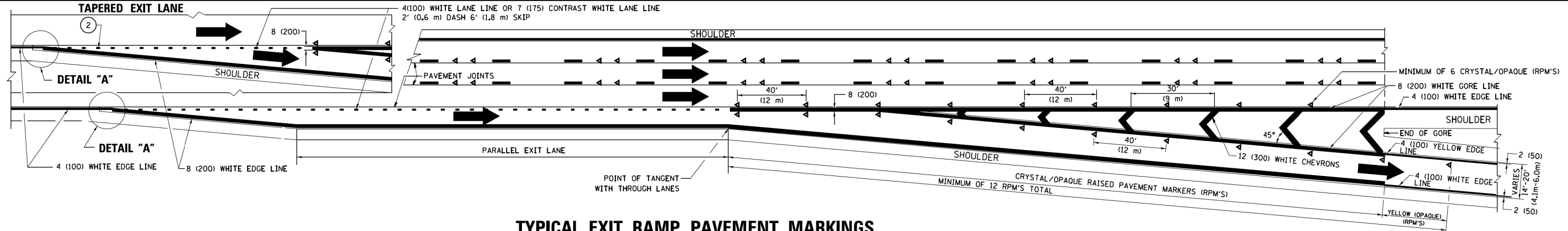
FILE NAME =	USER NAME = lveysa	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pki\work\pki\dot\lveysa\d0108315\tcl1.dgn		DRAWN -	REVISED - T. RAMMACHER 03-12-99					90	2019-082-RS&T	COOK	119	114
		PLOT SCALE = 50.000' / IN.	REVISED - T. RAMMACHER 01-06-00		TC-11			CONTRACT NO. 62J59				
		PLOT DATE = 3/2/2011	REVISED - C. JUCIUS 09-09-09		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



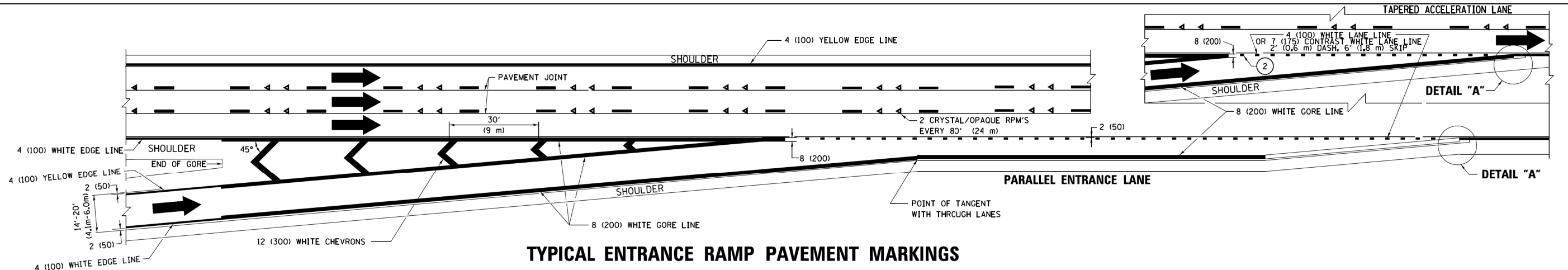
TYPICAL EDGE LINES & LANE LINES

PAVEMENT MARKING MATERIALS

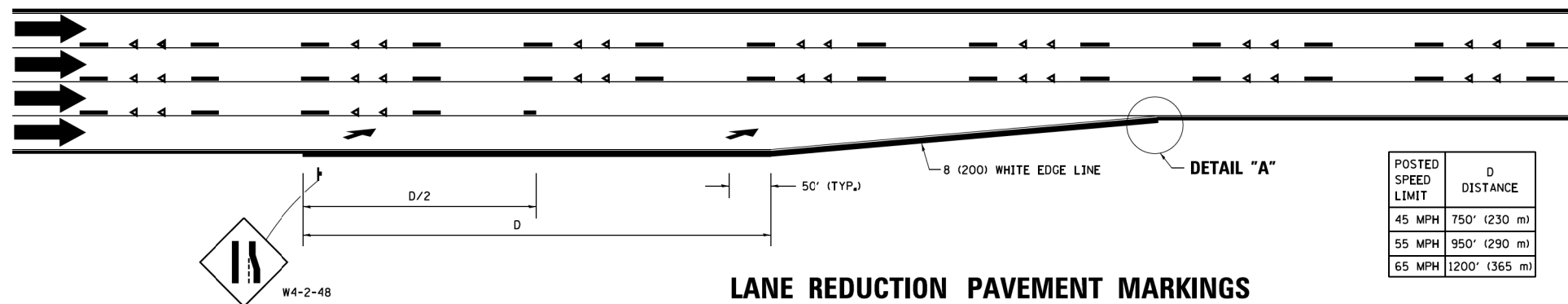
1. THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
2. POLYUREA OR MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
3. PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, INLAID OR GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENTS.
4. CONTRAST PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENT.



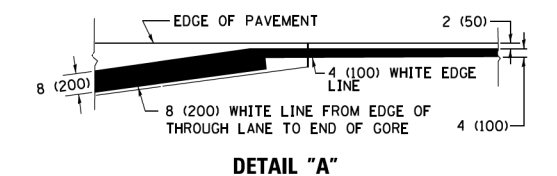
TYPICAL EXIT RAMP PAVEMENT MARKINGS



TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS

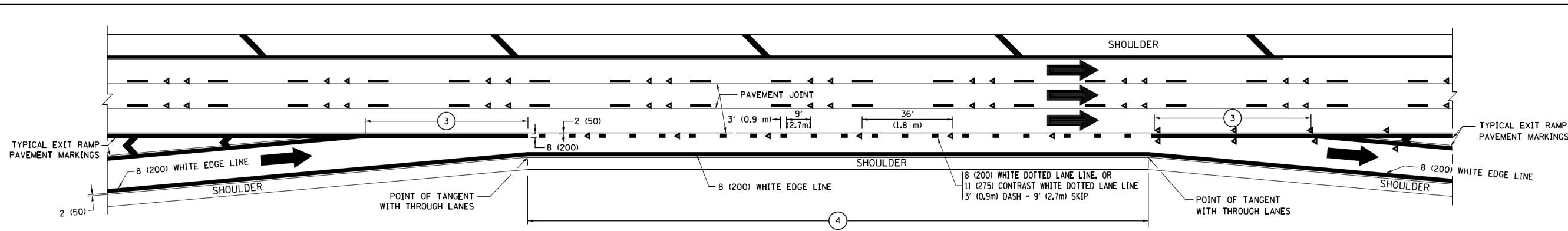


LANE REDUCTION PAVEMENT MARKINGS

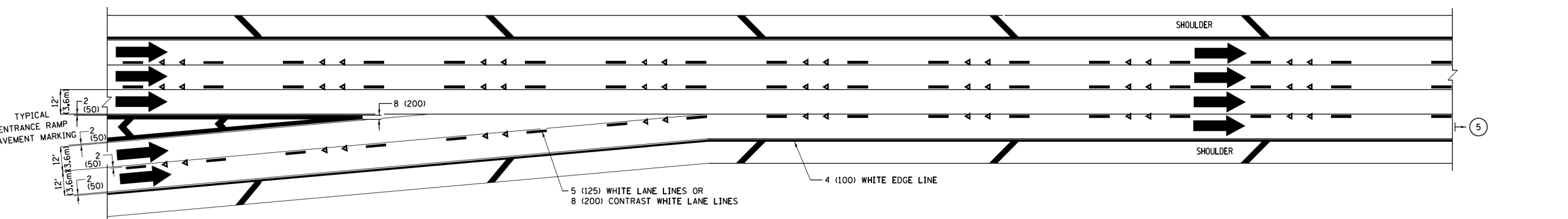


- NOTES:**
1. THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
 2. 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.

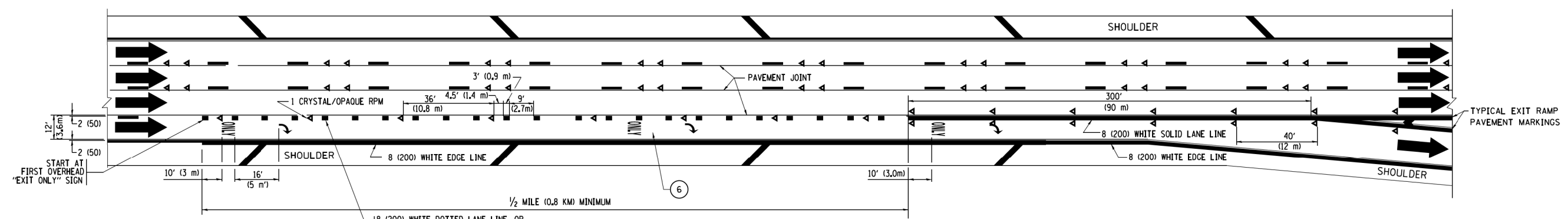
POSTED SPEED LIMIT	D DISTANCE
45 MPH	750' (230 m)
55 MPH	950' (290 m)
65 MPH	1200' (365 m)



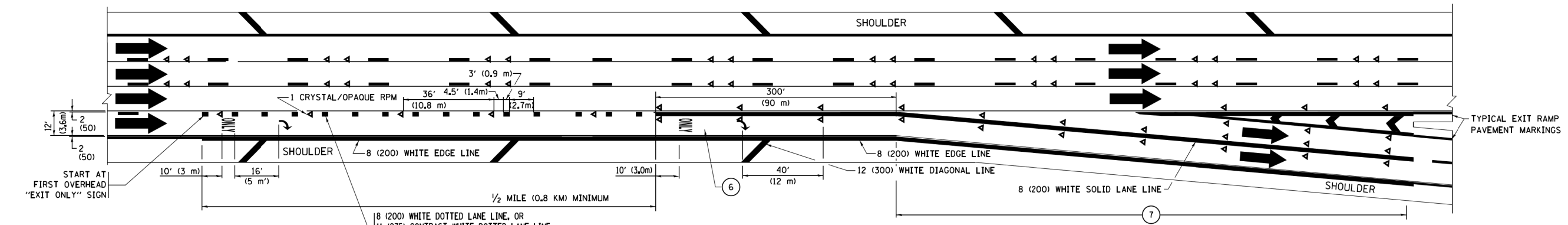
AUXILIARY LANE MARKINGS



TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS



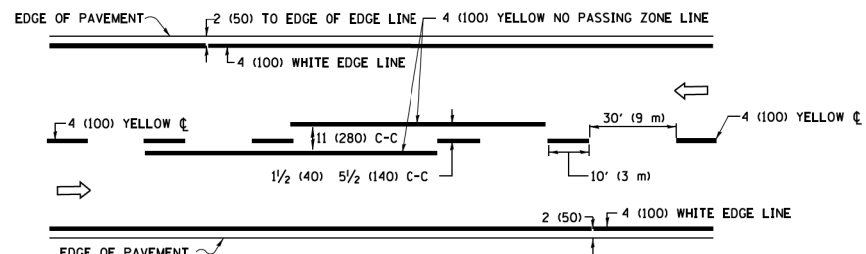
EXIT ONLY LANE MARKINGS



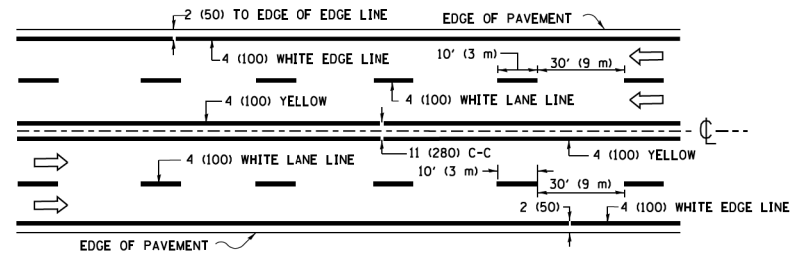
EXIT ONLY WITH OPTION LANE MARKINGS

- NOTES:**
- ③ OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
 - ④ 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
 - ⑤ FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
 - ⑥ ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED.
 - ⑦ CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.

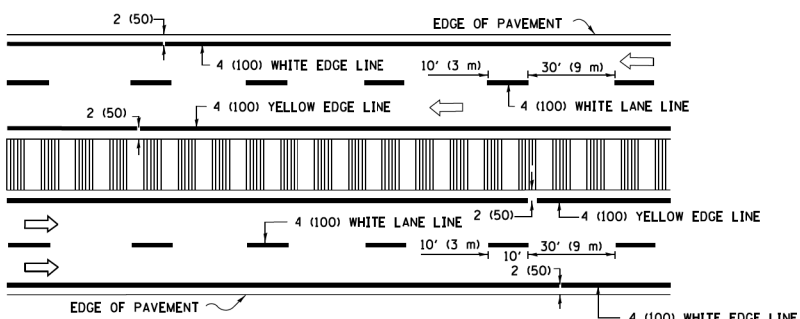
FILE NAME =	USER NAME = footemj	DESIGNED - D.W.S.	REVISED - J.A.F. 02-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
pw\1\084EBID\INTEG\illinois.gov\FWIDOT\Documents\DOT Offices\District 1\Projects\Dist 1\084EBID\CADData\CADsheets\t012.dgn	DRAWN	CHECKED -	REVISED - S.P.B. 01-07		SCALE: NONE	SHEET 2	OF 2	SHEETS	STA.	TO STA.	90	2019-082-RS&T	COOK	119	116
Default	PLOT SCALE = 50,000' / in.	DATE - 01-90	REVISED - S.P.B. 01-10									TC-12			
	PLOT DATE = 9/6/2017		REVISED - M.D. 09-17												CONTRACT NO. 62J59



2-LANE ROADWAY

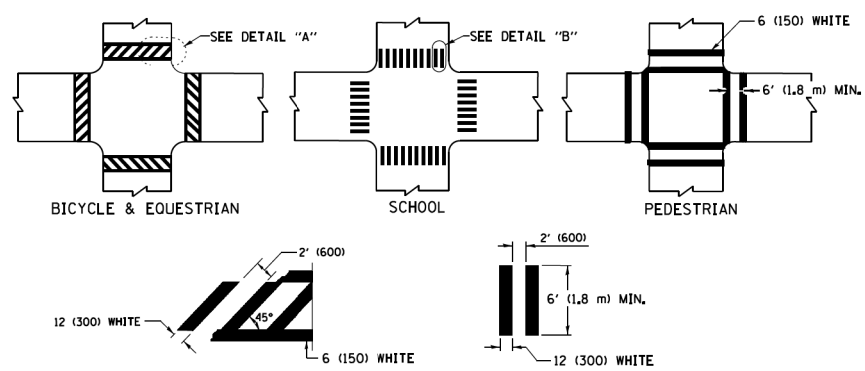


MULTI-LANE UNDIVIDED



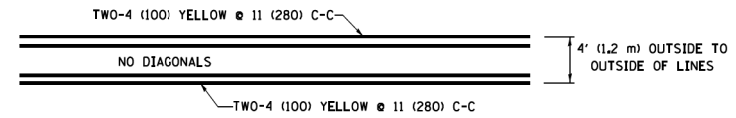
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

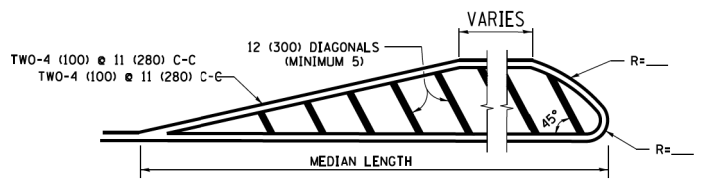


TYPICAL CROSSWALK MARKING

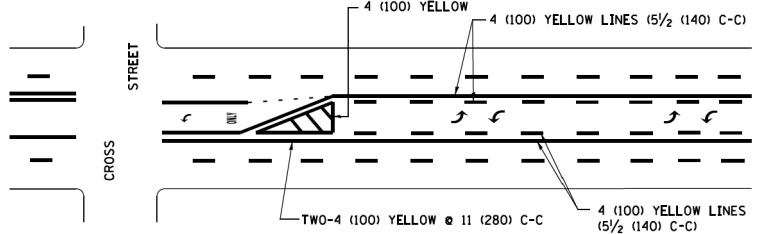
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



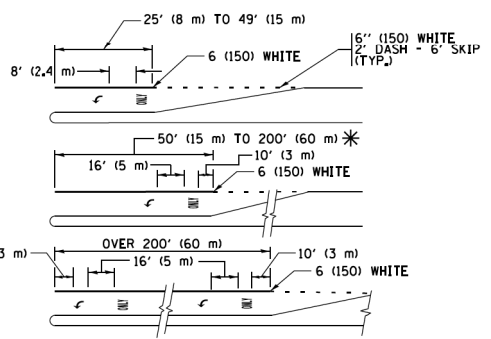
4' (1.2 m) WIDE MEDIANS ONLY



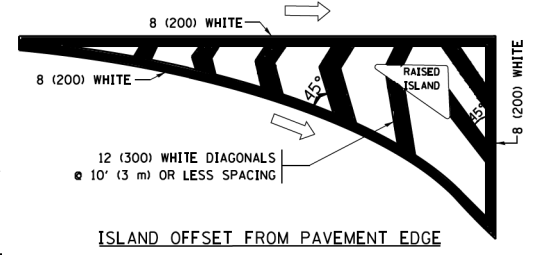
MEDIANS OVER 4' (1.2 m) WIDE



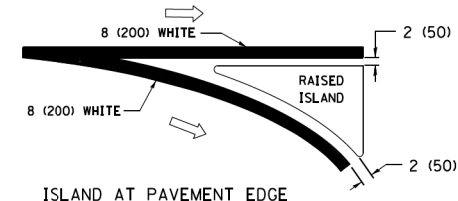
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



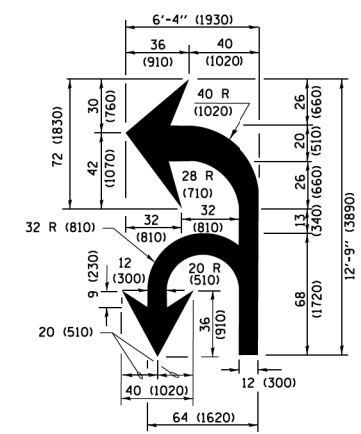
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING



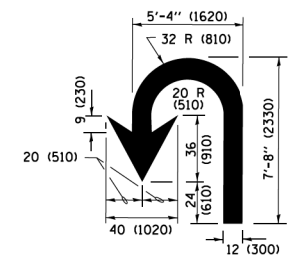
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

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

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

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

FILE NAME = W:\dststd\22x34\td13.dgn	USER NAME = lryss	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
Default	PLOT SCALE = 50.000' / 1" =	DRAWN -	REVISED - C. JUCIUS 07-01-13
	PLOT DATE = 6/23/2017	CHECKED -	REVISED - C. JUCIUS 12-21-15
		DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

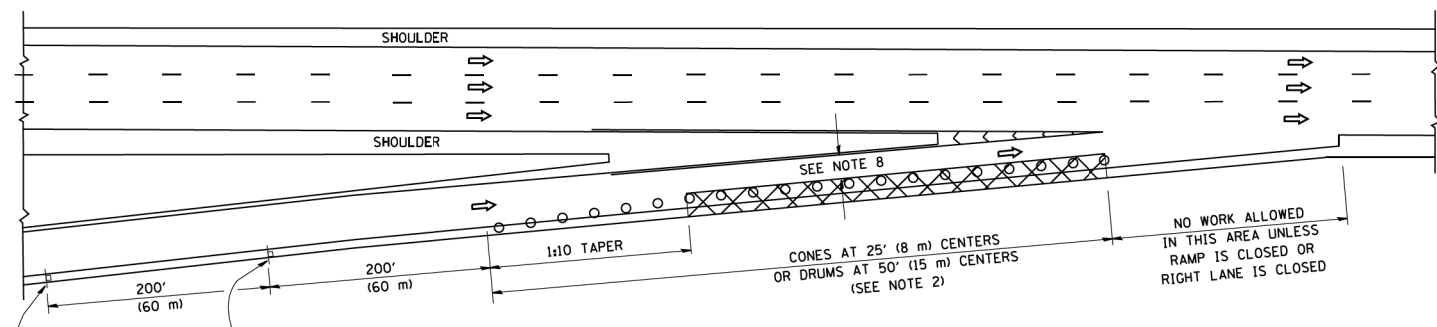
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

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

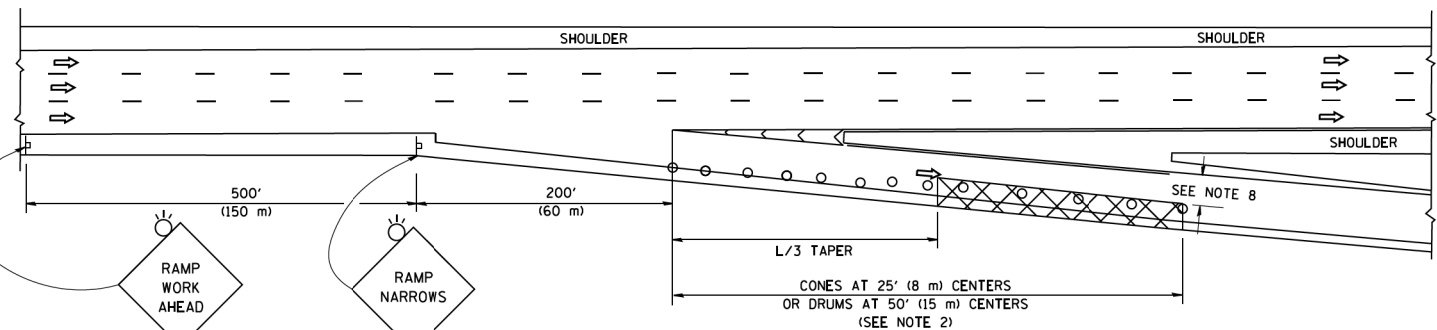
F.A.I. RTE. 90	SECTION 2019-082-RS&T	COUNTY COOK	TOTAL SHEETS 119	SHEET NO. 117
TC-13		CONTRACT NO. 62J59		
ILLINOIS FED. AID PROJECT				

PARTIAL RAMP CLOSURE DETAILS

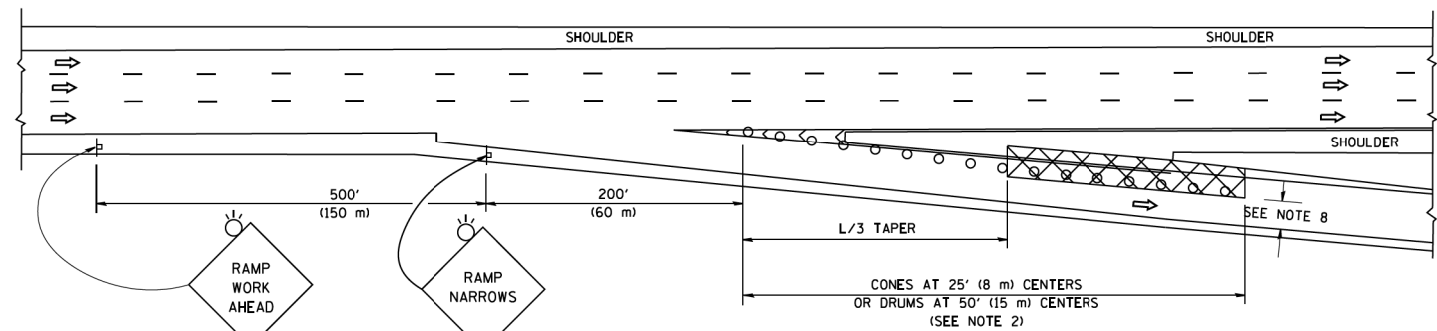
SHOULDER CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

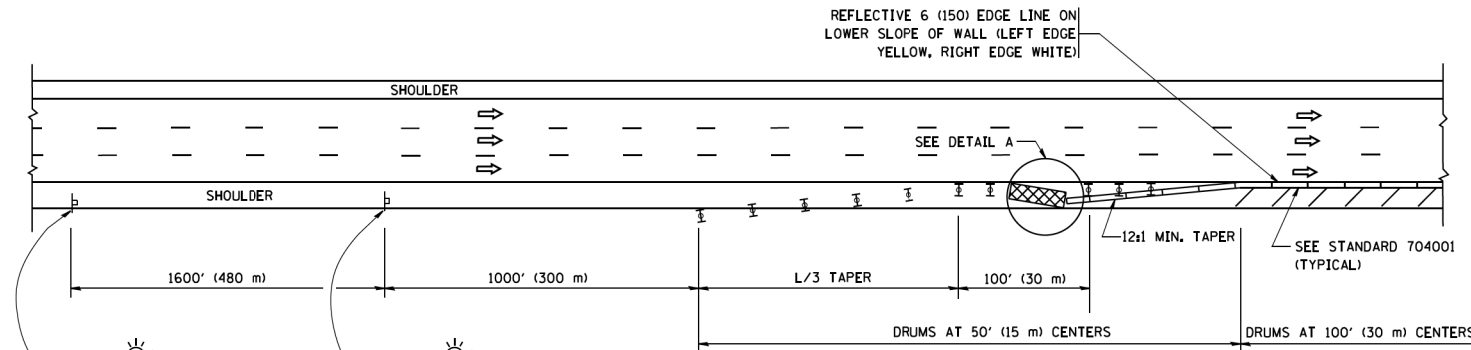
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES

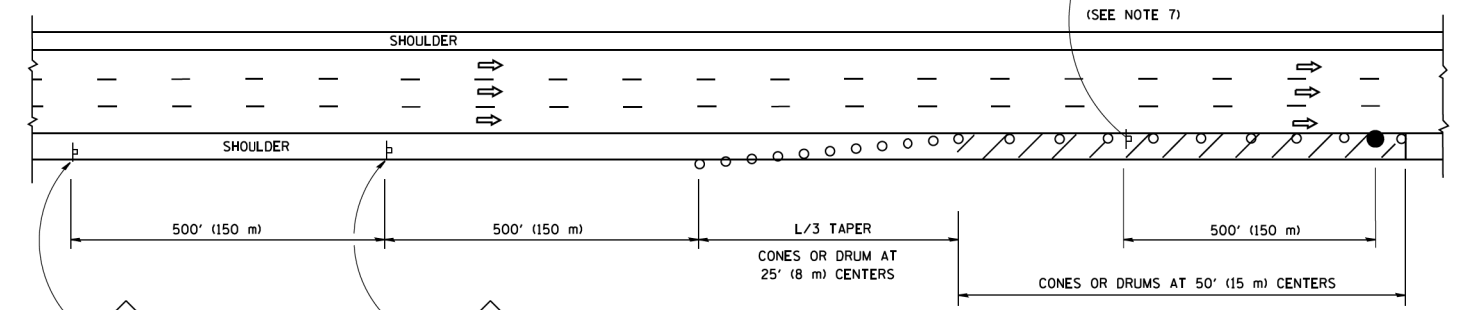
1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER	METRIC ENGLISH L=0.65(W)(S) L=(W)(S)

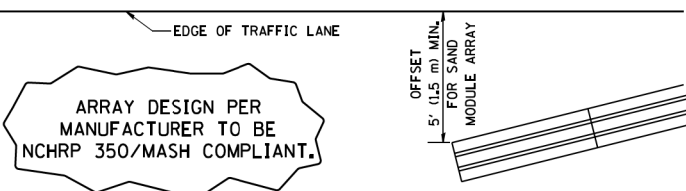
W = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)
2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.
5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK ACTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.



PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE



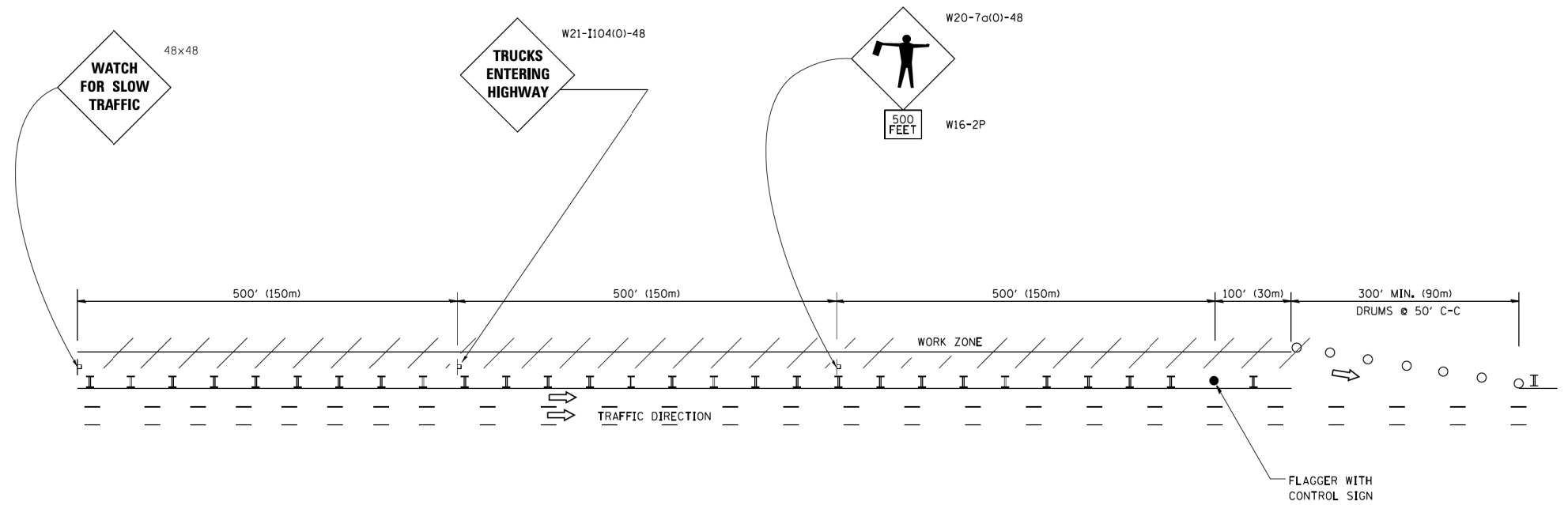
DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)

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

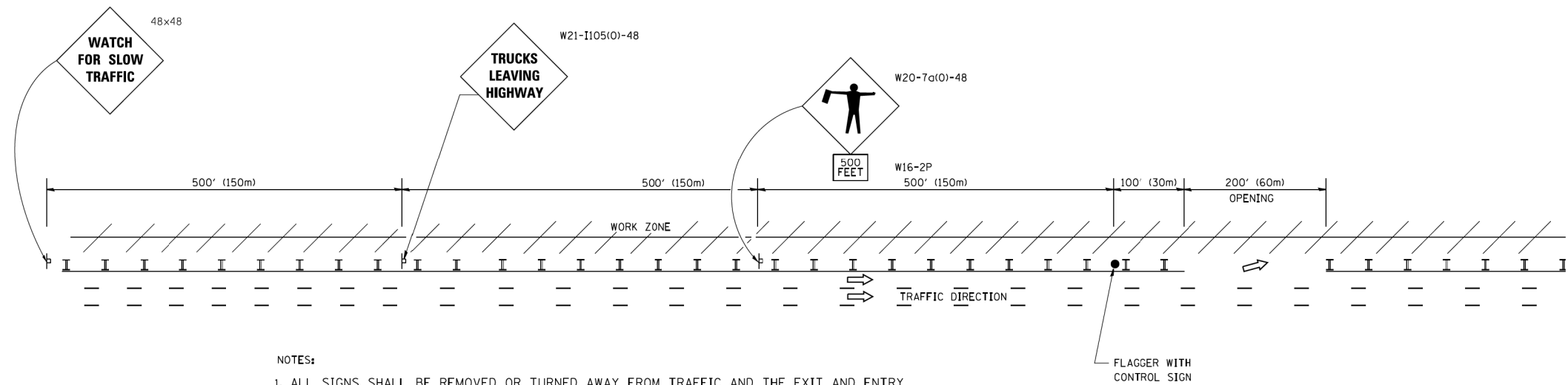
FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED - S.P.B. 01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	pw\1\084EBID\INTEG\illinois.gov\PI\DOT\Documents\IDOT Offices\District 1\Projects\Dist 1\084EBID\CADD\Drawings\17.dgn	DRAWN -	REVISED - S.P.B. 12-09			90	2019-082-RS&T	COOK	119	118
	PLOT SCALE = 50,0000' / 1" =	CHECKED -	REVISED - M.D. 06-13			TC-17		CONTRACT NO. 62J59		
	PLOT DATE = 11/27/2017	DATE - 11-96	REVISED - M.D. 01-18			SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT		

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED - J.A.F. 02-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FREEWAY/EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS ON FREEWAYS/EXPRESSWAYS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwork\pwork\footemj\d0108315\tcl18.dgn		DRAWN -	REVISED - S.P.B. 01-07			90	2019-082-RS&T	COOK	119	119
		CHECKED -	REVISED - S.P.B. 12-09			TC-18		CONTRACT NO. 62J59		
		DATE -	REVISED - M.D. 06-13			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
				SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.			