

F.A.P. RTE. 326	SECTION 2015-040B	COUNTY KANE	TOTAL SHEETS 67	SHEET NO. 1
		ILLINOIS	CONTRACT NO. 62A97	

DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

FAP ROUTE 326: IL ROUTE 47
 AT EAKIN CREEK
 SECTION 2015-040B
 PROJECT NUMBER: ACNHPP-0326(099)
 CULVERT REPLACEMENT
 KANE COUNTY

C-91-361-15

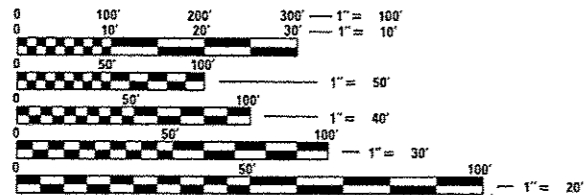
D-91-361-15

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT IS LOCATED IN
 VILLAGE OF PINGREE GROVE

DESIGN DESIGNATION: OTHER PRINCIPAL
 ARTERIAL (IL ROUTE 47)

2013 ADT = 9,850
 2040 ADT = 14,000
 DESIGN SPEED = 55 MPH
 POSTED SPEED = 55 MPH

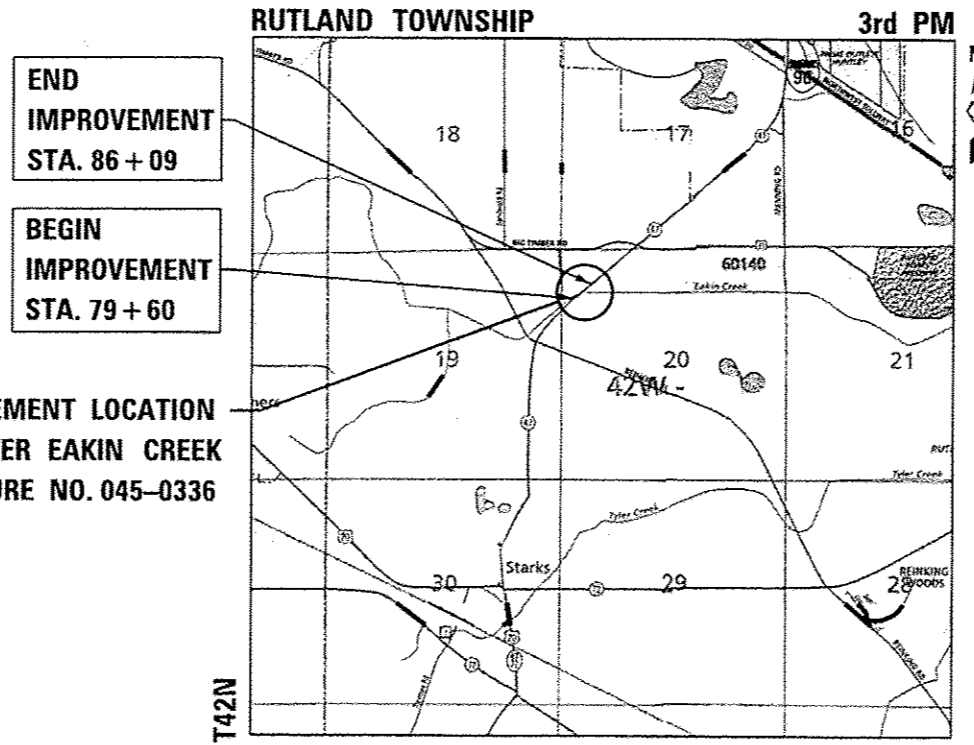


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: MR. JEAN A. MIDY, P.E. (847) 221-3056
 PROJECT MANAGER: MR. ISSAM RAYYAN, P.E. (847) 705-4178

CONTRACT NO. 62A97



END IMPROVEMENT
 STA. 86 + 09

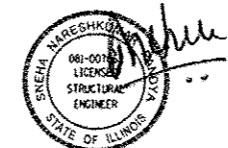
BEGIN IMPROVEMENT
 STA. 79 + 60

IMPROVEMENT LOCATION
 IL 47 OVER EAKIN CREEK
 STRUCTURE NO. 045-0336

LOCATION MAP NOT TO SCALE R7E
 GROSS AND NET LENGTH = 580.00 FT = 0.110 MILES



LOCATION OF SECTION INDICATED THUS: [thick black line]



DATE SIGNED: 9/29/16
 EXP. DATE: 11/30/16



DATE SIGNED: 9/29/16
 EXP. DATE: 11/30/17
 SHEET No. 34-35



DATE SIGNED: 9/29/16
 EXP. DATE: 11/30/17

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED: October 17, 2016

REGIONAL ENGINEER
Maureen M. Adams, P.E.
 ENGINEER OF DESIGN AND ENVIRONMENT

DIRECTOR OF PROGRAM DEVELOPMENT
[Signature]

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 OF THE STATE OF ILLINOIS

WWW.ACCGI.COM
 101 SCHELTER RD., SUITE B-200
 LINCOLNSHIRE, ILLINOIS 60069
 T (847) 613-1100 F (847) 613-1105
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002053

INDEX OF SHEETS

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LIST OF ILLINOIS DOT HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482011-03	HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
515001-03	NAME PLATE FOR BRIDGES
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE DRAIN
630001-11	STEEL PLATE BEAM GUARDRAIL
630201-07	PCC / HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-07	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701321-16	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45MPH
701901-06	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION

COMMITMENTS

NONE

FILE NAME = G:\Engineering\Live\Projects\131816 DOT DURN\131816-40 2 Contract No. 62A97-CAD\CAD Sheets\Cad\131816-40-2-Index Hwy Std.dgn



USER NAME = johnn	DESIGNED - AB	REVISED -
PLOT SCALE = 2,0000 "/>		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE HIGHWAY STANDARDS AND COMMITMENTS
IL ROUTE 47

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-0408	KANE	67	2
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES:

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0213 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
2. IF THIS CONTRACT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK. IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT ELECTRICAL FACILITIES FROM THE DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUESTS MAY BE MADE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.
3. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF PINGREE GROVE.
4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
6. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
7. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
8. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES AND RAISED REFLECTIVE PAVEMENT MARKERS IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
9. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
10. THE ENGINEER SHALL CONTACT MR. DON CHIARUGI, AREA TRAFFIC FIELD ENGINEER, AT (847) 741-9857 (EMAIL: DON.CHIARUGI@ILLINOIS.GOV) A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
11. ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
12. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
13. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES. THE COST OF THE PAVEMENT MARKING TAPE, TYPE III AND ITS REMOVAL SHALL BE INCLUDED IN THE COST OF "SHORT TERM PAVEMENT MARKING".
14. DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS- RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" INCLUDED IN THE PLANS.
15. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
16. THE REMOVAL OF THE ATTACHED GUARDRAIL POSTS AND RAILING ACTING AS A HEADWALL ON THE EXISTING STRUCTURE IS INCLUDED IN THE COST OF "REMOVAL OF EXISTING STRUCTURE".
17. THE REMOVAL OF GUARDRAIL TERMINAL SECTIONS SHALL BE PAID AT THE CONTRACT UNIT PRICE PER FOOT FOR "GUARDRAIL REMOVAL".
18. THE COST OF CONNECTING EXISTING STORM SEWERS TO THE PROPOSED DRAINAGE SYSTEM AND/OR CONNECTING PROPOSED STORM SEWER TO EXISTING STRUCTURES SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PROPOSED STORM SEWER. ALL NECESSARY ADDITIONAL PIPE USED WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR STORM SEWER OF THE SIZE REQUIRED.
19. FOR STORM SEWER CONSTRUCTED UNDER THE ROADWAY, BACKFILLING METHODS TWO AND THREE AUTHORIZED UNDER THE PROVISIONS OF ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED.
20. FOLLOWING THE REMOVAL OF EXISTING DRAINAGE ITEMS LOCATED OUTSIDE PROPOSED PAVEMENT AND FURTHER THAN TWO FEET FROM THE EDGE OF PAVEMENT, THESE AREAS SHALL BE BACKFILLED WITH NATIVE MATERIALS AND THE COST OF THE BACKFILLING WITH NATIVE MATERIAL WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE DRAINAGE ITEM TO BE REMOVED. BACKFILL UNDER AND WITHIN TWO FEET OF THE PROPOSED PAVEMENTS SHALL BE IN ACCORDANCE WITH SECTION 208 OF THE STANDARD SPECIFICATIONS.
21. PIPE UNDERDRAINS TYPE 2 SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE STANDARD SPECIFICATIONS AND STANDARD 601001. TOP OF PIPE UNDERDRAINS SHALL BE PLACED 6" BELOW THE PROPOSED SUBGRADE OR AS DEEP AS POSSIBLE. THE COST OF MAKING PIPE UNDERDRAIN CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PROPOSED PIPE UNDERDRAINS.
22. THE THICKNESS OF HMA MIXTURES 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.
23. THE ARTERIAL ROAD INFORMATION SIGN (TC-22) IS APPLICABLE ONLY TO ARTERIAL ROADS AND SHALL NOT BE APPLIED TO EXPRESSWAYS/TOLLWAYS.
24. THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. ALL CONDITIONS OF THE 404 PERMIT, FOUND IN THE SPECIAL PROVISIONS, MUST BE FOLLOWED. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES (INCLUDING WORK WITHIN WETLANDS) CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
25. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.
26. THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION II.G.1 AND 2 OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
27. DE-ENERGIZING COMED'S DISTRIBUTION LINES (34KV) MAY BE NECESSARY IN ORDER TO ACCOMMODATE THE CONTRACTOR'S EQUIPMENT. CALL 1-800-EDISONI.

FILE NAME = Q:\Engineering\LiveProjects\13016 IDOT DUR\13016-WO 2 Contract No. 62A97\CADD\CADD Sheets\Civil\162A97-sht-Gennote.dgn



USER NAME = johnn	DESIGNED - AB	REVISED - _____
	DRAWN - CC	REVISED - _____
PLOT SCALE = 2.0000' / in.	CHECKED - TGM	REVISED - _____
PLOT DATE = 10/19/2016	DATE - 10/19/2016	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES
IL ROUTE 47**

SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	3
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				

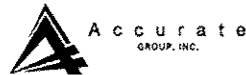
CONSTRUCTION CODE	
80% FEDERAL 20% STATE	
ROADWAY	BOX CULVERT
0011	0040
RURAL	045-0336

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN	
				ROADWAY	BOX CULVERT
20101000	TEMPORARY FENCE	FOOT	1079	1079	
20101100	TREE TRUNK PROTECTION	EACH	1	1	
20200100	EARTH EXCAVATION	CU YD	725	725	
20900110	POROUS GRANULAR BACKFILL	CU YD	33	33	
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	275	275	
21101805	COMPOST FURNISH AND PLACE, 2"	SO YD	3001	3001	
25000300	SEEDING, CLASS 3	ACRE	0.75	0.75	
25100125	MULCH, METHOD 3	ACRE	1.25	1.25	
25100630	EROSION CONTROL BLANKET	SO YD	3001	3001	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	124	124	
28000305	TEMPORARY DITCH CHECKS	FOOT	60	60	
28000315	AGGREGATE DITCH CHECKS	TON	5	5	
28000400	PERIMETER EROSION BARRIER	FOOT	1079	1079	
28001100	TEMPORARY EROSION CONTROL BLANKET	SO YD	3001	3001	

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* SPECIALTY ITEM

FILE NAME = G:\Engineering\Live\Projects\12016\DOT\DOT\13818b-w0 2 Contract No. 62A97\CAD\CAD00 Sheets\Civil\01620167-int-500.dgn

	USER NAME = john	DESIGNED - PP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES IL ROUTE 47			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 2,000' / 1" =	DRAWN - JH	REVISED -		326	2015-0408	KANE	67	4			
PLOT DATE = 10/19/2016	CHECKED - TGM	REVISED -	SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 62A97						
	DATE - 10/19/2016	REVISED -				ILLINOIS FED. AID PROJECT						

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				URBAN	
				ROADWAY	BOX CULVERT
				0011	0040
				RURAL	045-0336
28100107	STONE RIPRAP, CLASS A4	SQ YD	163	163	
28200200	FILTER FABRIC	SQ YD	163	163	
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	2099	2099	
31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	172	172	
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	480	480	
35501315	HOT-MIX ASPHALT BASE COURSE, 7 3/4"	SQ YD	831	831	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2498	2498	
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	89	89	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	27	27	
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	206	206	
40701886	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/4"	SQ YD	1124	1124	
44000100	PAVEMENT REMOVAL	SQ YD	1138	1138	
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	1269	1269	
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	858	858	

* SPECIALTY ITEM

FILE NAME : D:\Engineering\Live\Projects\13816 IDOT DNR\13816-WD 2 Contract No. 62A97\13816\13816-CADD Sheets\Civil\13816-217-41-500.dgn



USER NAME : c.john	DESIGNED - PP	REVISED -
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PLOT DATE = 10/19/2016	DATE - 10/19/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL ROUTE 47

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	5
CONTRACT NO. 62A97			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	BOX CULVERT
				80% FEDERAL	
				20% STATE	
				0011	0040
				RURAL	045-0336
48101200	AGGREGATE SHOULDERS, TYPE B	TON	20	20	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1	
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	270	270	
50300225	CONCRETE STRUCTURES	CU YD	16.2	16.2	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	105940	105940	
50800515	BAR SPLICERS	EACH	127	127	
51500100	NAME PLATES	EACH	1	1	
52200010	TEMPORARY SHEET PILING	SO FT	2491	2491	
52200015	PERMANENT SHEET PILING	SO FT	2329	2329	
54003000	CONCRETE BOX CULVERTS	CU YD	263.5	263.5	
58700300	CONCRETE SEALER	SO FT	823	823	
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	4	4	
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	62	62	
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	1194	1194	

* SPECIALTY ITEM

FILE NAME: C:\Engineering\Live\Projects\13816\DOT\DOT\13816-02\Contract No. 62A97\CAD\CAD Sheets\Civil\062A97-01-500.dgn



USER NAME: john	DESIGNED - PP	REVISED -
DRAWN - JN	CHECKED - TOM	REVISED -
PLT SCALE: 2.0000' / 1"	DATE - 10/19/2016	REVISED -
PLT DATE: 10/19/2016		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
IL ROUTE 47			
SCALE:	SHEET	OF	SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	6
CONTRACT NO. 62A97			ILLINOIS FED. AID PROJECT	

FILE NAME: G:\Engineering\Live\Projects\13816 (DOT) (REV) 13816-NO 2 Contract No. 62A97\CA00\CA00 Sheets\Civil\13816-NO 2-INT-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	BOX CULVERT
				URBAN	
				80% FEDERAL	20% STATE
				0011	0040
				RURAL	045-0336
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	662.5	662.5	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4	
63200310	GUARDRAIL REMOVAL	FOOT	1002	1002	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	270	270	
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12	
67100100	MOBILIZATION	LSUM	1	1	
70106700	TEMPORARY RUMBLE STRIPS	EACH	6	6	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	4	4	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	852	852	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	95	95	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	512.5	512.5	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	487.5	487.5	

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* SPECIALTY ITEM



USER NAME = john	DESIGNED - PP	REVISED -
DRAWN - JN	REVISED -	
CHECKED - TGM	REVISED -	
DATE - 10/19/2016	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

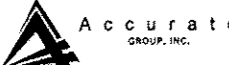
SUMMARY OF QUANTITIES			
IL ROUTE 47			
SCALE:	SHEET	OF	SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-0408	KANE	67	7
CONTRACT NO. 62A97			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	BOX CULVERT
				80% FEDERAL	20% STATE
				0011	0040
				RURAL	045-0336
		URBAN			
70500100	TEMPORARY STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	37.5	37.5	
70600251	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2	
70600352	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2	
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	5	5	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1892	1892	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	11	11	
* 78100300	REPLACEMENT REFLECTOR	EACH	6	6	
* 78200006	GUARDRAIL REFLECTORS, TYPE B	EACH	17	17	
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	56	56	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	6	6	
* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	1	
* X0326276	TEMPORARY LIGHTING FOR SINGLE LANE STAGING	LSUM	1	1	
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	3308	3308	
* X2502024	SEEDING, CLASS 4B (MODIFIED)	ACRE	0.75	0.75	

* SPECIALTY ITEM

FILE NAME = D:\Engineering\Live\Projects\12816\DOT CUR\12816B-V0 2 Contr.spt No. 62697\CAD\CAD00 Sheets\Civil\12816A97.klt.S00.dgn

	USER NAME = johnn	DESIGNED - PP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES IL ROUTE 47				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 2.0000' / 1" =	DRAWN - JN	REVISED -		326	2015-040B	KANE	67	8				
PLOT DATE = 10/19/2016	CHECKED - TGH	REVISED -	SCALE: SHEET OF SHEETS STA. TO STA.					CONTRACT NO. 62A97					
	DATE - 10/19/2016	REVISED -	ILLINOIS FED. AID PROJECT										

FILE NAME : D:\Engineering\11216 1007 DURATI\11216 1007 2 Contract No. 62A97\CONTRACT SHEETS\Civil\11216 1007 2.dwg

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	BOX CULVERT
				80% FEDERAL	20% STATE
				URBAN	
				0011	0040
				RURAL	045-0336
* X6300155	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES (SPECIAL)	FOOT	100	100	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1	
X7030030	WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH	FOOT	9034	9034	
X7030055	WET REFLECTIVE TEMPORARY TAPE TYPE III, 24 INCH	FOOT	72	72	
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	228	228	
* X7050167	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)	EACH	1	1	
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	51.4	51.4	
* Z0054400	ROCK FILL	CU YD	271	271	
Z0062456	TEMPORARY PAVEMENT	SQ YD	480	480	
Z0073500	TEMPORARY SUPPORT SYSTEM	LSUM	1	1	
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	1	
Z0076600	TRAINEES	HOUR	2600	2600	
X0322128	MEMBRANE WATERPROOFING FOR BURIED STRUCTURES	SQ YD	256	256	

14

* SPECIALTY ITEM



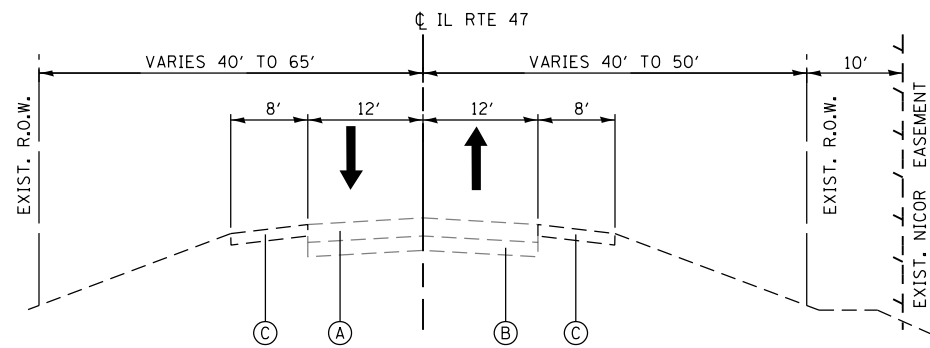
USER NAME = johnn	DESIGNED - PP	REVISED -
DRAWN - JN	CHECKED - YGM	REVISED -
PLOT SCALE = 2.0000' / 1"	DATE - 10/19/2016	REVISED -
PLOT DATE = 10/19/2016		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

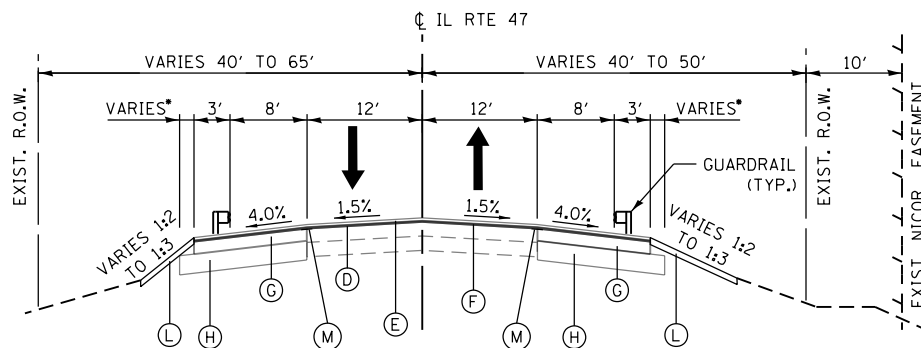
**SUMMARY OF QUANTITIES
IL ROUTE 47**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
126	2015-040B	KANE	67	9
			CONTRACT NO. 62A97	
ILLINOIS FED. AID PROJECT				

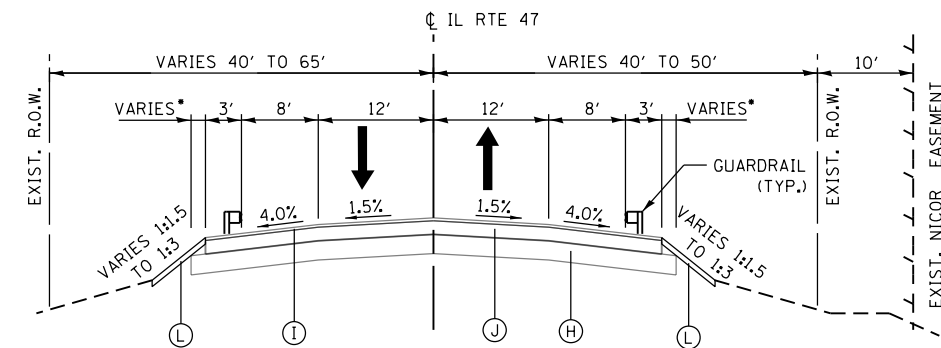


EXISTING TYPICAL SECTION
STA. 79+60 TO STA. 86+09



* WHERE GUARDRAIL PRESENT:
HMA SHOULDER 3'-4'
EARTH SHOULDER 0'-2'

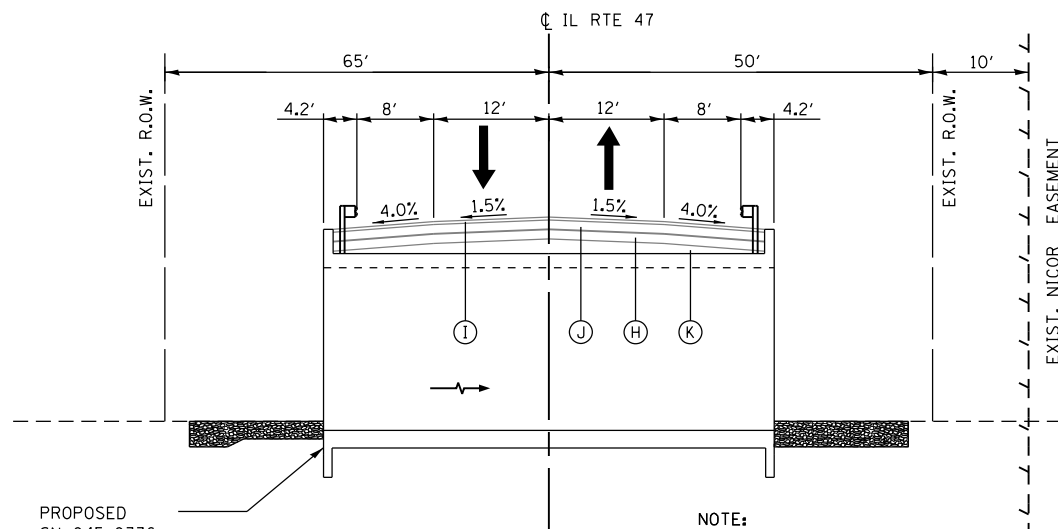
PROPOSED TYPICAL SECTION
RESURFACING/WIDENING
STA. 79+60 TO STA. 81+50
STA. 83+70 TO STA. 86+09
SEE PLANS FOR GUARDRAIL LIMITS



* WHERE GUARDRAIL PRESENT:
HMA SHOULDER 3'-4'
EARTH SHOULDER 0'-2'

PROPOSED TYPICAL SECTION
HMA PAVEMENT (FULL-DEPTH)
STA. 81+50 TO STA. 83+70

NOTE:
SEE DETAIL A ON SHEET 19 FOR
STAGE I PAVEMENT CONSTRUCTION



PROPOSED
SN 045-0336
DOUBLE CELL
11'X8' BOX CULVERT

NOTE:
SEE DETAIL A ON SHEET 19 FOR
STAGE I PAVEMENT CONSTRUCTION

PROPOSED TYPICAL SECTION
HMA PAVEMENT (FULL-DEPTH)
SECTION THRU CULVERT
LT STA. 82+09.08 TO STA. 82+49.91
RT STA. 82+75.61 TO STA. 83+16.44

LEGEND

- (A) EXISTING HMA PAVEMENT, 11 1/4" & VAR.
- (B) EXISTING P.C.C PAVEMENT, +/-9"
- (C) EXISTING AGGREGATE SHOULDER
- (D) HMA SURFACE REMOVAL, 2 1/2"
- (E) PROPOSED HMA SURFACE COURSE, MIX. D, N70, 1 1/2" OR 1 3/4" (AS NEEDED)
- (F) PROPOSED LEVELING BINDER (MM), N70, 3/4"
- (G) PROPOSED HMA BASE COURSE, 7 3/4"
- (H) PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (I) PROPOSED HMA SURFACE COURSE, MIX D, N70, 2"
- (J) PROPOSED HMA BINDER COURSE, IL-19.0, N70, 8 1/4"
- (K) PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B
- (L) PROPOSED TOPSOIL, 4" AND SEEDING
- (M) PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT

HMA MIXTURE REQUIREMENTS CHART

OPERATION	MIXTURE TYPE	AIR VOIDS (%) @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
HMA PAVEMENT (FULL DEPTH), 10 1/4"	HMA SURFACE COURSE, MIX "D", N70 (IL 9.5 mm), 2" HMA BINDER COURSE, IL-19.0, N70, 8 1/4"	4% @ 70 GYR. 4% @ 70 GYR.	QC/OA QC/OA
PAVEMENT RESURFACING/WIDENING	HMA SURFACE COURSE, MIX "D", N70 (IL 9.5 mm), 1 1/2" OR 1 3/4" (AS NEEDED) LEVELING BINDER (MACHINE METHOD), N70 (IL 9.5 mm), 3/4" HMA BASE COURSE, (HMA BINDER IL-19.0), 7 3/4"	4% @ 70 GYR. 4% @ 70 GYR. 4% @ 70 GYR.	QC/OA QC/OA QC/OA
*TEMPORARY PAVEMENT	TEMP PAVEMENT (HMA BINDER IL-19mm), 10"	4% @ 70 GYR.	QC/OA

QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/OA)

NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN
2. THE "AC TYPE" FOR NON-POLYMERIZED HMA 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. THE PC CONCRETE TEMPORARY PAVEMENT OPTION SHALL CONSIST OF PCC PAVEMENT 10" THICK MEETING THE REQUIREMENTS OF SECTION 1020 OF THE STANDARD SPECIFICATIONS FOR CLASS PV CONCRETE. TEMPORARY PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS.

FILE NAME = Q:\Engineering\LiveProjects\13016 IDOT DURN\13016-WO 2 Contract No. 62A97\CADD\CADD Sheets\Civil\13016-WO 2-1\Typsect.dgn



USER NAME = johnn	DESIGNED - JMT	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - CC	REVISED -
PLOT DATE = 10/19/2016	CHECKED - TGM	REVISED -
	DATE - 10/19/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS IL ROUTE 47	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	10
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				

HOT-MIX ASPHALT PAVEMENT SCHEDULE						
LOCATION STATION TO STATION	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/4" (SQ YD)	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (TON)	HOT-MIX ASPHALT BASE COURSE, 7 3/4" (SQ YD)	LEVELING BINDER (MACHINE METHOD), N70 (TON)	HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT (SQ YD)	BITUMINOUS MATERIALS (TACK COAT) (POUND)
79+60 TO 81+50		89	347	38	14	704
83+70 TO 86+09		117	484	51	13	927
81+50 TO 83+70	1124					759
TEMPORARY PAVEMENT						108
TOTAL	1124	206	831	89	27	2498

AGGREGATE SCHEDULE			
LOCATION STATION TO STATION	OFFSET	AGGREGATE SUBGRADE IMPROVEMENT, 12" (SQ YD)	SUB-BASE GRANULAR MATERIAL TYPE B, 4" (SQ YD)
79+60 TO 81+50	LT&RT	322	
79+90 TO 85+30	LT		480
81+50 TO 83+70	LT&RT	1027	
83+70 TO 86+09	LT&RT	410	
80+21.2 TO 86+09	LT	188	
80+54.5 TO 85+35	RT	152	
TOTAL		2099	480

TEMPORARY PAVEMENT SCHEDULE	
LOCATION STATION TO STATION	TEMPORARY PAVEMENT (SQ YD)
79+90 TO 85+30	480
TOTAL	480

PAVEMENT REMOVAL SCHEDULE		
LOCATION STATION TO STATION	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2" (SQ YD)	PAVEMENT REMOVAL (SQ YD)
79+60 TO 81+50	565	
79+60 TO 81+50 (TEMPORARY PAVEMENT)		480
81+50 TO 83+70		658
83+70 TO 86+09	704	
TOTAL	1269	1138

DITCH CHECKS			
STATION	OFFSET	TEMPORARY DITCH CHECKS (FOOT)	AGGREGATE DITCH CHECKS (TON)
82+60	31' LT		1.6
82+65	33' RT		1.6
83+51	39' RT		1.6
81+50	34' RT	10	
82+50	41' RT	10	
83+00	39' LT	10	
84+00	41' LT	10	
84+40	41' RT	10	
85+40	41' RT	10	
TOTAL		60	5.0

TEMPORARY CONCRETE BARRIER SCHEDULE			
LOCATION STATION TO STATION	TEMPORARY CONCRETE BARRIER (FOOT)	RELOCATE TEMPORARY CONCRETE BARRIER (FOOT)	BARRIER WALL REFLECTORS, TYPE C (EACH)
STAGE I:			
80+16 TO 81+25	109		10
81+25 TO 83+95	270		22
83+95 TO 85+03	108		10
STAGE II:			
80+05 TO 81+25		120	
81+25 TO 83+95		270	
83+95 TO 85+09	25	97.5	2
25% DAMAGE			12
ROUNDED TOTAL	512.5	487.5	56

IMPACT ATTENUATORS SCHEDULE		
LOCATION STATION TO STATION	TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3 (EACH)	RELOCATE (NON-REDIRECTIVE, NARROW), TEST LEVEL 3 (EACH)
80+16	1	
80+05		1
85+03	1	
85+09		1
TOTAL	2	2

FENCE SCHEDULE			
LOCATION STATION TO STATION	OFFSET	PERIMETER EROSION BARRIER (FOOT)	TEMPORARY FENCE (FOOT)
77+65 TO 82+01	RT	436	436
78+85 TO 81+74	LT	289	289
82+66 TO 86+20	LT	354	354
TOTAL		1079	1079

LANDSCAPING SCHEDULE								
LOCATION STATION TO STATION	OFFSET (LT/RT)	SEEDING, CLASS 3 (ACRE)	SEEDING, CLASS 4B (MODIFIED) (ACRE)	MULCH, METHOD 3 (ACRE)	EROSION CONTROL BLANKET (SQ YD)	COMPOST FURNISH AND PLACE, 2" (SQ YD)	TEMPORARY EROSION CONTROL SEEDING (POUND)	TEMPORARY EROSION CONTROL BLANKET (SQ YD)
78+85 TO 80+50	RT	0.07		0.15	354	354	15	354
78+85 TO 82+10	LT	0.13	0.13	0.25	610	610	25	610
80+50 TO 82+98	RT	0.11	0.11	0.22	529	529	22	529
82+50 TO 86+20	RT	0.13	0.13	0.25	615	615	25	615
83+15 TO 86+20	LT	0.18	0.18	0.37	893	893	37	893
ROUNDED TOTAL		0.75	0.75	1.25	3001	3001	124	3001

PINNING TEMPORARY CONCRETE BARRIER	
LOCATION STATION TO STATION	PINNING TEMPORARY CONCRETE BARRIER (FOOT)
STAGE I:	
80+28 TO 84+91	111
STAGE II:	
80+17 TO 84+97	117
TOTAL	228

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USER NAME = johnn	DESIGNED - AB	REVISED -
DRAWN - CC	REVISIONS -	
PLOT SCALE = 2.0000' / in.	CHECKED - TGM	REVISIONS -
PLOT DATE = 10/19/2016	DATE - 10/19/2016	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
IL ROUTE 47**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	11
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING SCHEDULE		
LOCATION STATION TO STATION	LINE COLOR / TYPE	THERMOPLASTIC PAVEMENT MARKING-LINE 4" (FT)
78+11 TO 81+85	SOLID YELLOW LINE	374
78+37 TO 87+04	YELLOW SKIP DASH	220
79+60 TO 86+09	WHITE EDGE LINE	1298
TOTAL		1892

WET REFLECTIVE TEMPORARY TAPE, TYPE III			
LOCATION STATION TO STATION	OFFSET	4" (FT)	24" (FT)
STAGE I:			
78+11			12
78+24 TO 80+75		251	
79+90 TO 80+75		85	
80+75 TO 84+45		740	
84+45 TO 85+33		173	
85+30 TO 86+30		100	
87+04			12
STAGE II:			
78+11			
78+79 to 79+79		100	
79+60 TO 79+97		96	
79+79 TO 80+75		70	
79+97 TO 80+75		370	
80+75 TO 84+45		370	
84+45 TO 85+17		247	
85+17 TO 86+09		175	
87+04			
MULTIPLYING FACTOR		2	3
AFTER STAGE II			
78+11 TO 86+09		3192	
FACTORED TOTAL		8746	72

PAVEMENT MARKER SCHEDULE			
LOCATION STATION TO STATION	LINE COLOR / TYPE	RAISED REFLECTIVE PAVEMENT MARKER (EACH)	REPLACEMENT REFLECTOR (EACH)
78+22 TO 79+60	ONE WAY AMBER		2
78+22 TO 79+60	TWO WAY AMBER		2
79+60 TO 86+09	TWO WAY AMBER	8	
79+60 TO 81+85	ONE WAY AMBER	3	
86+09 TO 87+04	TWO WAY AMBER		2
TOTAL		11	6

PAVEMENT MARKING REMOVAL SCHEDULE		
LOCATION STATION TO STATION	LINE COLOR / TYPE	PAVEMENT MARKING REMOVAL (SQ FT)
78+11 TO 80+51	SOLID YELLOW LINE	80
78+11 TO 80+51	YELLOW SKIP DASH	23
79+60 TO 85+40	WHITE EDGE LINE	193
84+78 TO 87+04	YELLOW SKIP DASH	22
STAGE I	TEMPORARY TAPE	450
STAGE II	TEMPORARY TAPE	1476
POST STAGE II	TEMPORARY TAPE	1064
TOTAL		3308

SHORT TERM PAVEMENT MARKING SCHEDULE				
LOCATION STATION TO STATION	OFFSET	TYPE	LENGTH (FT)	REMOVAL (SQ FT)
78+11 TO 81+85	CL	YELLOW CL	44	15
78+11 TO 87+04	CL	YELLOW CL	96	32
79+60 TO 86+09	LT&RT	WHITE EDGE LINE	144	48
FACTORED TOTAL			852	95

NOTE: MULTIPLYING FACTOR IS 3

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	
LOCATION STATION TO STATION	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL (EACH)
79+60 TO 81+50	3
83+70 TO 86+09	3
TOTAL	6

GUARDRAIL AND TRAFFIC BARRIER SCHEDULE		
LOCATION STATION TO STATION	STEEL PLATE BEAM GUARDRAIL TYPE A, 6 FOOT POSTS (FOOT)	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT (EACH)
80+55.22 TP 80+95.22		1
80+95.22 TO 82+07.72	112.5	
82+57.72 TO 85+32.72	275	
85+32.72 TO 85+72.32		1
80+90.29 TO 81+30.29		1
81+30.29 TO 82+67.79	137.5	
83+17.79 TO 84+55.29	137.5	
84+55.29 TO 84+95.29		1
TOTAL	662.5	4

GUARDRAIL AND TERMINAL MARKERS SCHEDULE		
LOCATION STATION TO STATION	TERMINAL MARKER-DIRECT APPLIED (EACH)	GUARDRAIL REFLECTORS-TYPE B (EACH)
PERMANENT GUARDRAIL		
80+55.22 TO 85+72.72	2	6
80+90.29 TO 84+95.29	2	5
TEMP./EXIST. GUARDRAIL		
80+13 TO 85+52		6
TOTAL	4	17

GUARDRAIL REMOVAL	
LOCATION STATION TO STATION	GUARDRAIL REMOVAL (FOOT)
PRE-STAGE	
84+77 TO 85+14	37
STAGE-I	
80+06 TO 85+07	501
STAGE-II	
80+13 TO 84+77	464
TOTAL	1002

TREE TRUNK PROTECTION SCHEDULE		
STATION	OFFSET (FT)	TREE TRUNK PROTECTION (EACH)
82+30	LT	1

TEMPORARY GUARDRAIL AND TRAFFIC BARRIER TERMINAL SCHEDULE				
LOCATION STATION TO STATION	OFFSET	TEMPORARY STEEL PLATE BEAM GUARDRAIL TYPE A (FOOT)	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT (EACH)	TERMINAL MARKER-DIRECT APPLIED (EACH)
84+77 TO 85+52	LT	37.5	1	1

PIPE UNDERDRAINS SCHEDULE			
LOCATION STATION TO STATION	PIPE UNDERDRAINS, TYPE 2, 4" (FOOT)	CONCRETE HEADWALLS FOR PIPE DRAINS (EACH)	PIPE UNDERDRAINS, SPECIAL 4" (FOOT)
79+65 TO 82+25 LT	260	1	15
79+65 TO 82+60 RT	295	1	15
82+66 TO 86+03 LT	337	1	16
83+01 TO 86+03 RT	302	1	16
TOTAL	1194	4	62

TEMPORARY RUMBLE STRIPS	
LOCATION STATION TO STATION	TEMPORARY RUMBLE STRIPS (EACH)
61+11	1
66+11	1
71+11	1
94+04	1
98+53	1
104+04	1
TOTAL	6

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES IL ROUTE 47			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	12
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				

FILE NAME = G:\Engineering\LiveProjects\13016 IDOT DUR\13016b-WO 2 Contract No. 62A97\CADD\CADD Sheets\Civil\162A97_Sht-SchedQuant.dgn

EARTHWORK SCHEDULE PRE-STAGE (IL RTE. 47)							
STATION	LENGTH (FT)	CUT (SQ FT)	AVG END AREA (SQ FT)	TOTAL (CU YD)	FILL (SQ FT)	AVG END AREA (SQ FT)	TOTAL (CU YD)
79+60	40	4.70	5.55	8.2	0.60	0.40	0.59
80+00	50	6.40	6.85	12.7	0.20	0.15	0.28
80+50	50	7.30	7.05	13.1	0.10	0.15	0.28
81+00	50	6.80	6.80	12.6	0.20	0.25	0.46
81+50	25	6.80	7.05	6.5	0.30	0.35	0.32
81+75	25	7.30	7.35	6.8	0.40	0.35	0.32
82+00	50	7.40	7.20	13.3	0.30	1.00	1.85
82+50	50	7.00	7.05	13.1	1.70	1.00	1.85
83+00	25	7.10	7.10	6.6	0.30	0.25	0.23
83+25	16	7.10	7.25	4.3	0.20	0.25	0.15
83+41	9	7.40	7.05	2.4	0.20	0.35	0.12
83+50	50	6.70	6.75	12.5	0.30	0.40	0.74
84+00	50	6.80	6.80	12.6	0.50	0.45	0.83
84+50	50	6.80	7.00	13.0	0.40	0.20	0.37
85+00	40	7.20	6.60	9.8	0.00	0.85	1.26
85+40	10	6.00	3.00	1.1	1.70	0.85	0.31
				147.3			9.7

EARTHWORK SCHEDULE STAGE I (IL RTE. 47)								
STATION	LENGTH (FT)	CUT (SQ FT)	AVG END AREA (SQ FT)	TOTAL (CU YD)	FILL (SQ FT)	AVG END AREA (SQ FT)	TOTAL (CU YD)	
79+00	50	1.44	4.20	7.8	0.00	0.00	0.00	
79+50	10	6.96	7.15	2.6	0.00	0.22	0.08	
79+60	40	7.33	7.43	11.0	0.43	1.69	2.50	
80+00	50	7.53	11.91	22.1	2.94	1.69	3.13	
80+50	50	16.29	15.91	29.5	0.44	1.00	1.84	
81+00	50	15.52	21.30	39.4	1.55	0.81	1.50	
81+50	25	27.07	24.07	22.3	0.07	0.81	0.75	
81+75	25	21.07	21.91	20.3	1.54	1.07	0.99	
82+00	50	22.74	21.87	40.5	0.59	0.80	1.47	
82+50	25	21.00	20.73	19.2	1.00	0.88	0.81	
82+75		21.00			1.00			
83+00	CULVERT							
83+25	16	34.50	23.61	14.0	2.41	3.29	1.95	
83+41	9	12.72	10.11	3.4	4.17	2.76	0.92	
83+50	50	7.49	8.70	16.1	1.35	3.14	5.81	
84+00	50	9.90	10.61	19.6	4.93	3.65	6.75	
84+50	50	11.32	11.51	21.3	2.36	4.40	8.14	
85+00	40	11.70	9.28	13.7	6.43	4.84	7.16	
85+40	10	6.85	6.53	2.4	3.24	3.86	1.43	
85+50	50	6.21	6.13	11.3	4.47	4.90	9.06	
86+00	9	6.04	3.02	5.6	5.32	2.66	4.93	
86+09		0.00			0.00			
				317.8			55.3	

TOPSOIL EXCAVATION AND PLACEMENT STAGE I IL RTE 47					
STATION	LENGTH (FT)	CUT (SQ FT)	AVG END AREA (SQ FT)	TOTAL (CU YD)	
79+00	50	3.50	4.71	8.71	
79+50	10	5.91	3.38	1.25	
79+60	40	0.84	2.20	3.25	
80+00	50	3.55	4.18	7.73	
80+50	50	4.80	4.91	9.09	
81+00	50	5.02	5.37	9.94	
81+50	25	5.71	5.82	5.38	
81+75	25	5.92	6.37	5.89	
82+00	50	6.81	7.01	12.97	
82+50	25	7.20	7.20	6.67	
82+75		7.20			
83+00	CULVERT				
83+25	16	8.60	8.52	5.05	
83+41	9	8.44	5.59	1.86	
83+50	50	2.74	3.75	6.94	
84+00	50	4.76	4.05	7.49	
84+50	50	3.33	4.57	8.45	
85+00	40	5.80	4.83	7.15	
85+40	10	3.85	4.11	1.52	
85+50	50	4.36	4.39	8.12	
86+00	9	4.41	2.21	4.08	
86+09		0.00			
				118.2	



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
IL ROUTE 47**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	13
CONTRACT NO. 62A97			ILLINOIS FED. AID PROJECT	

FILE NAME = Q:\Engineering\LiveProjects\13016 IDOT DURN\13016b-WO 2 Contract No. 62A97\CADD\CADD Sheets C.v1\162A97_Sht-SchedQuant.dgn

EARTHWORK SCHEDULE STAGE II (IL RTE. 47)							
STATION	LENGTH (FT)	CUT (SQ FT)	AVG END AREA (SQ FT)	TOTAL (CU YD)	FILL (SQ FT)	AVG END AREA (SQ FT)	TOTAL (CU YD)
79+00		2.73			0.00		
	50		6.83	12.6		0.00	0.00
79+50		10.93			0.00		
	10		9.95	3.7		1.47	0.54
79+60		8.96			2.94		
	40		11.69	17.3		1.90	2.81
80+00		14.42			0.86		
	50		13.96	25.9		1.42	2.62
80+50		13.50			1.97		
	50		12.68	23.5		2.46	4.55
81+00		11.86			2.94		
	50		11.64	21.6		3.69	6.82
81+50		11.42			4.43		
	25		10.18	9.4		4.58	4.24
81+75		8.94			4.73		
	25		15.36	14.2		2.37	2.19
82+00		21.78			0.01		
	CULVERT						
82+50		5.79			41.27		
	50		6.10	11.3		24.46	45.29
83+00		6.41			7.64		
	25		6.65	6.2		8.87	8.21
83+25		6.89			10.09		
	16		7.13	4.2		8.70	5.15
83+41		7.36			7.30		
	9		7.86	2.6		7.14	2.38
83+50		8.36			6.97		
	50		9.41	17.4		10.19	18.86
84+00		10.46			13.40		
	50		11.12	20.6		12.44	23.03
84+50		11.77			11.47		
	50		12.61	23.3		9.15	16.94
85+00		13.44			6.82		
	40		12.86	19.0		10.24	15.16
85+40		12.27			13.65		
	10		10.92	4.0		14.41	5.34
85+50		9.56			15.17		
	50		9.56	17.7		9.64	17.85
86+00		9.56			4.11		
	9		4.78	8.9		2.06	3.81
86+09		0.00			0.00		
				256.2			182.7

TOPSOIL EXCAVATION AND PLACEMENT STAGE II IL RTE 47				
STATION	LENGTH (FT)	CUT (SQ FT)	AVG END AREA (SQ FT)	TOTAL (CU YD)
79+00		4.36		
	50		5.86	10.85
79+50		7.36		
	10		5.14	1.90
79+60		2.92		
	40		4.97	7.36
80+00		7.02		
	50		6.99	12.94
80+50		6.95		
	50		6.14	11.37
81+00		5.33		
	50		6.44	11.92
81+50		7.54		
	25		6.20	5.74
81+75		4.85		
	25		8.18	7.57
82+00		11.50		
	CULVERT			
82+50		12.12		
	50		9.39	17.39
83+00		6.66		
	25		6.45	5.97
83+25		6.23		
	16		5.84	3.46
83+41		5.44		
	9		5.46	1.82
83+50		5.48		
	50		5.51	10.20
84+00		5.54		
	50		5.48	10.14
84+50		5.41		
	50		5.74	10.63
85+00		6.07		
	40		5.99	8.87
85+40		5.91		
	10		7.23	2.68
85+50		8.55		
	50		7.21	13.35
86+00		5.87		
	9		2.94	5.44
86+09		0.00		
				155.1

SUMMARY OF EARTHWORK SCHEDULE				
LOCATION STATION TO STATION	EARTH EXCAVATION 20200100 (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
79+60 TO 85+40 (PRE STAGE)	147.3	125.2	9.7	115.5
79+00 TO 86+09 (STAGE I)	317.8	270.1	55.3	214.8
79+00 TO 86+09 (STAGE II)	256.2	217.8	182.7	35.1
TOTAL	722	613	248	365

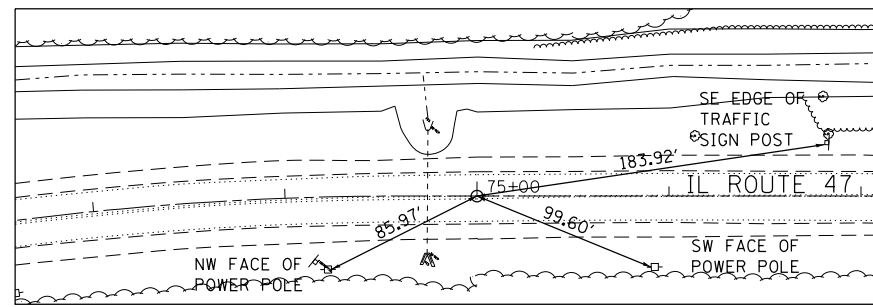
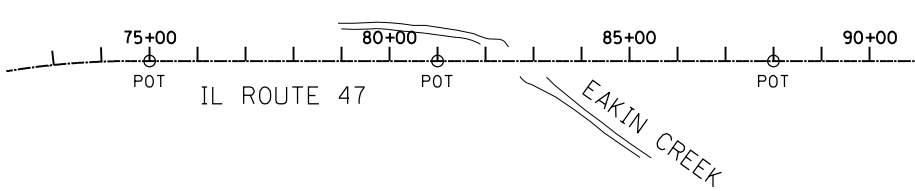


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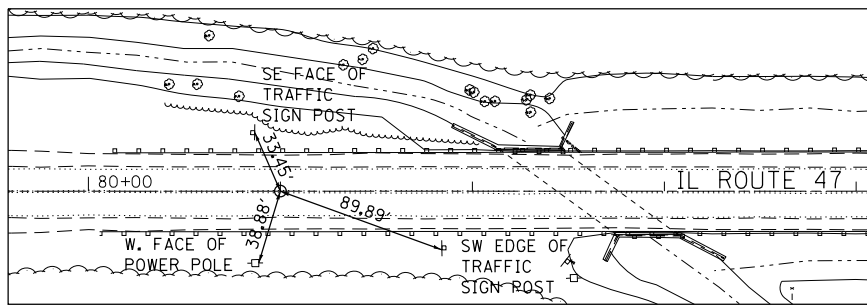
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES IL ROUTE 47				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

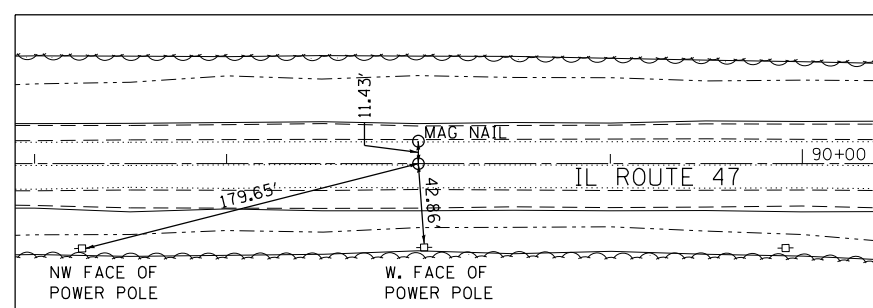
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	14
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				



CENTERLINE TIE
IL ROUTE 47
 MAG NAIL
 STA. 75+00 - P.O.T.
 N 1981384.76
 E 951936.55



CENTERLINE TIE
IL ROUTE 47
 MAG NAIL
 STA. 81+00 - P.O.T.
 N 1981760.94
 E 952404.00



CENTERLINE TIE
IL ROUTE 47
 MAG NAIL
 STA. 88+00 - P.O.T.
 N 1982199.81
 E 952949.35

BENCHMARKS

TBM "A" - TOP OF BENCHMARK NAIL SET IN NORTH FACE OF POWER POLE AT SOUTHEAST QUADRANT OF IL ROUTE 47 AND EAKIN CREEK CULVERT.
 ELEVATION= 906.78

NGS MONUMENT DM007 - THE STATION IS LOCATED ABOUT 4.5 MILES EAST OF HAMPSHIRE, 4.1 MILES SOUTH-SOUTHWEST OF HUNTLEY AND 3.3 MILES NORTH-NORTHWEST OF PINGREE GROVE. TO REACH THE STATION FROM THE INTERSECTION OF INTERSTATE 90 JANE ADDAMS TOLLWAY AND STATE ROAD 47 OVERPASS IN THE CITY OF HUNTLEY, IL, GO SOUTH ON STATE ROAD 47 FOR 1.1 MILES TO BIG TIMBER ROAD, GO EAST ON BIG TIMBER ROAD FOR 0.05 MILES AND THE STATION IS ON THE RIGHT. THE STATION IS 72.2 FEET SOUTHEAST OF A METAL POST FOR KANE COUNTY ADOPT A HIGHWAY SIGN, 32.8 FEET SOUTHEAST OF EDGE OF PAVEMENT OF BIG TIMBER ROAD, IS A ROD WITH A FLOATING BRASS DISK IN PVC SLEEVE, LOGO CODE ILLINOIS HEIGHT MODERNIZATION U OF I/ISGS.
 NOTE - ACCESS TO THE DATUM POINT IS THROUGH A 5 INCH LOGO CAP.
 ELEVATION= 909.57

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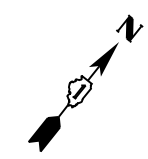
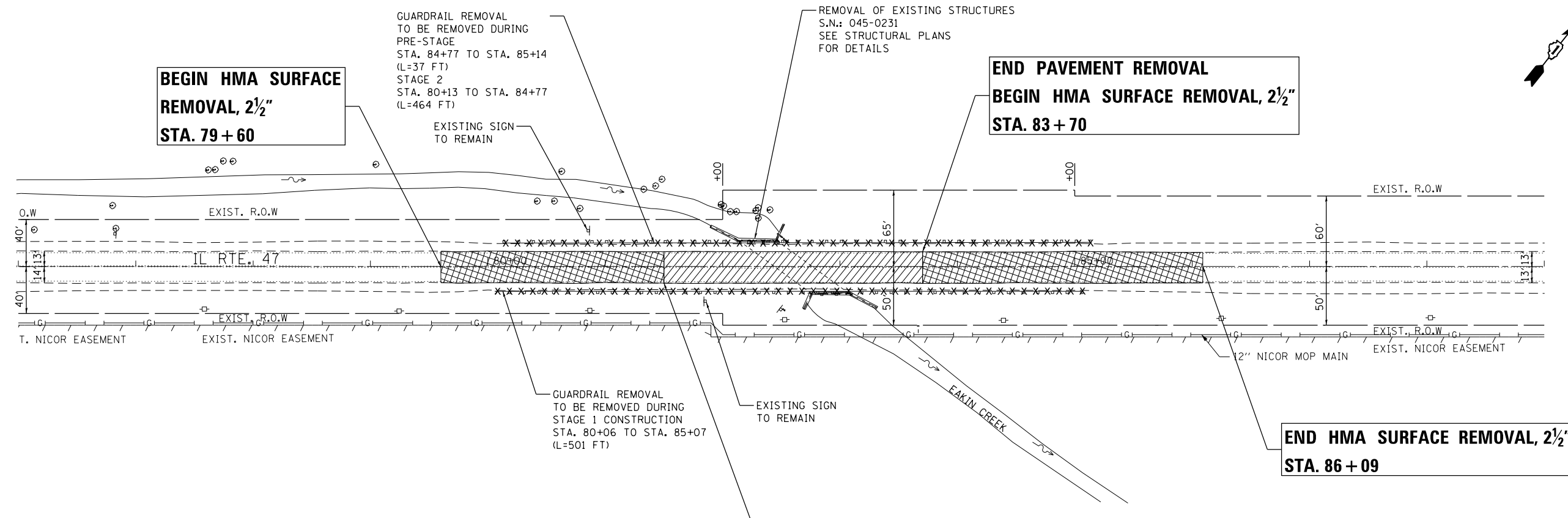


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENTS, TIES AND BENCHMARKS			
IL ROUTE 47			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	15
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				



LEGEND

x-x-x-x-x-x	GUARDRAIL REMOVAL
	PAVEMENT REMOVAL
	HOT MIX ASPHALT SURFACE REMOVAL, 2 1/2"

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN
IL ROUTE 47**

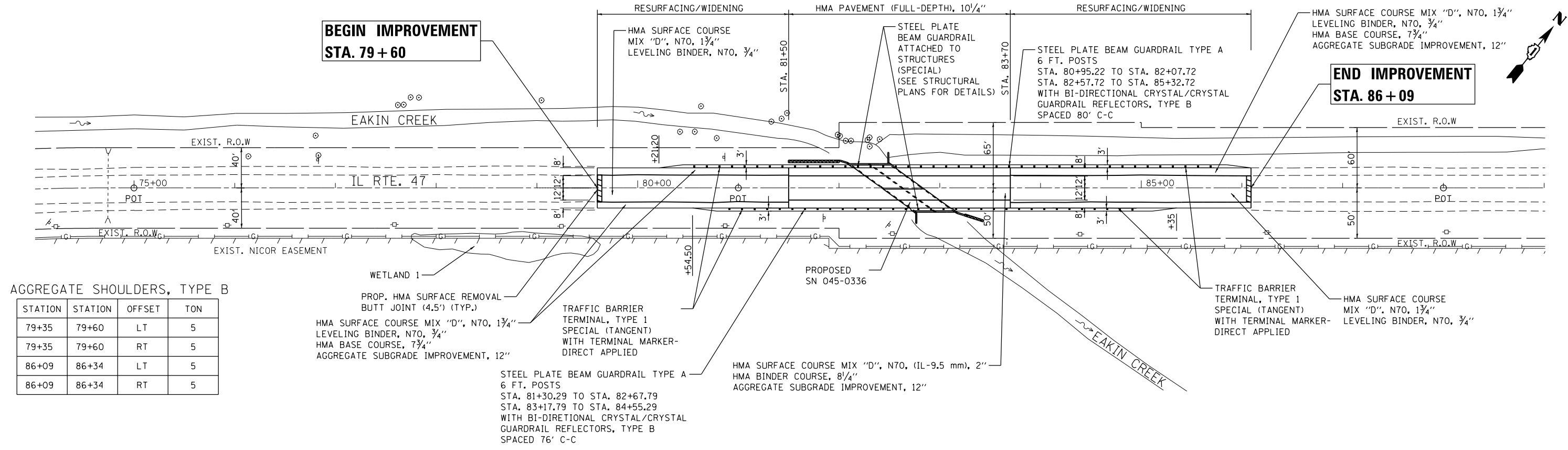
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	16
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO. _____	
	NOTE BOOK NO. _____	
	FILE NAME	

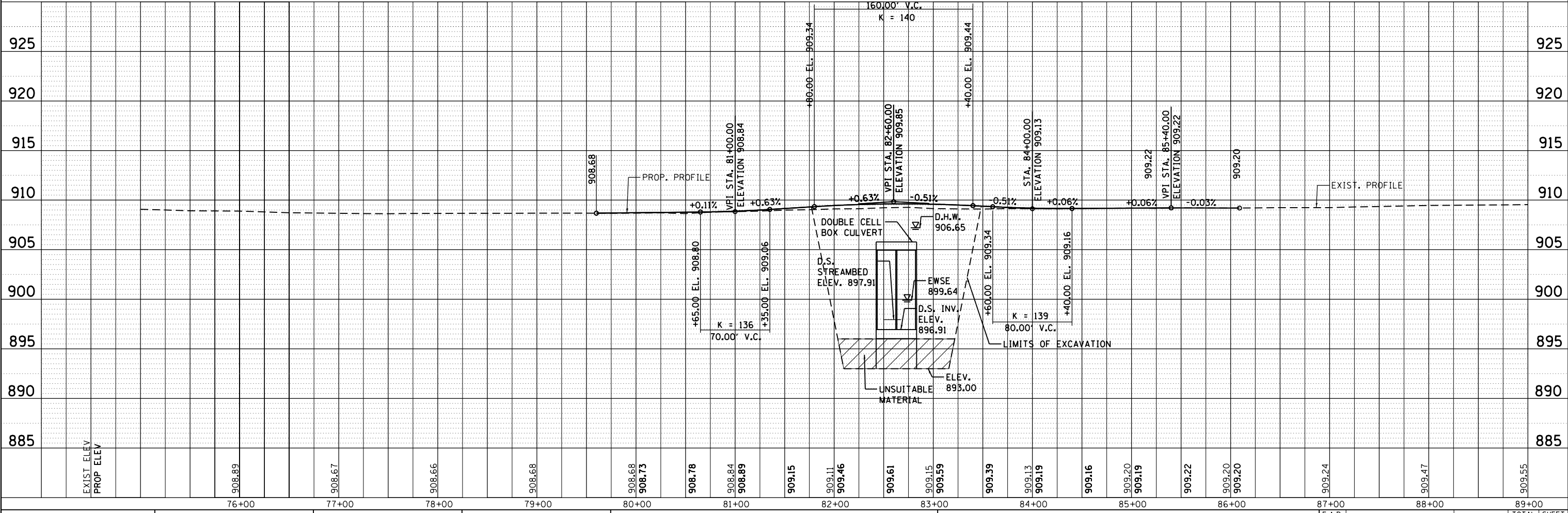
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	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
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	NOTE BOOK NO. _____	
	FILE NAME	

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AGGREGATE SHOULDERS, TYPE B

STATION	STATION	OFFSET	TON
79+35	79+60	LT	5
79+35	79+60	RT	5
86+09	86+34	LT	5
86+09	86+34	RT	5



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	PLOT SCALE = 100.0000' / 1" / 11.	CHECKED - TGM	REVISED -				CONTRACT NO. 62A97				
	PLOT DATE = 10/19/2016	DATE - 10/19/2016	REVISED -				ILLINOIS FED. AID PROJECT				

MAINTENANCE OF TRAFFIC GENERAL NOTES:

1. THE TRAFFIC CONTROL DEPICTED HEREIN IS THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES AS SPECIFIED IN THE HIGHWAY STANDARDS AS SHOWN IN THE INDEX OF SHEETS AND THE SPECIAL PROVISIONS SHALL BE PLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. ALL TRAFFIC CONTROL DEVICES SHALL BE CONSIDERED INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL) UNLESS OTHERWISE INDICATED WITHIN THESE GENERAL NOTES, PLANS OR SPECIAL PROVISIONS.
2. THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE ALL SIGNS AND SIGN SUPPORTS REQUIRED FOR MAINTENANCE OF TRAFFIC.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING LABOR, SIGNS AND TRAFFIC CONTROL DEVICES NECESSARY FOR THE MAINTENANCE OF TRAFFIC UNLESS NOTED OTHERWISE IN THE SPECIAL PROVISIONS.
4. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING THE WORK.
5. IN ADVANCE OF THE CULVERT CONSTRUCTION AND ALL SUBSEQUENT STAGE CHANGES ON IL ROUTE 47, THE CONTRACTOR SHALL PLACE ONE (1) PORTABLE CHANGEABLE MESSAGE SIGN AT EACH END OF THE PROJECT ALONG IL ROUTE 47 AS DIRECTED AT A LOCATION DESIGNATED BY THE ENGINEER TO INFORM MOTORISTS OF THE UPCOMING CULVERT CONSTRUCTION / STAGE CHANGE. THE MESSAGE SHALL BE APPROVED BY THE ENGINEER. THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE PER CALENDAR MONTH FOR CHANGEABLE MESSAGE SIGN.
6. WORK ZONE SPEED LIMIT SHALL BE 45 MPH ON IL ROUTE 47.
7. DRUMS EQUIPPED WITH BI-DIRECTIONAL STEADY BURN LIGHTS SHALL BE PROVIDED AS SHOWN IN THE PLANS THRU THE FULL LENGTH OF THE CONSTRUCTION WORK ZONE.
8. ALL ROAD CONSTRUCTION AHEAD SIGNS, ONE LANE ROAD AHEAD SIGNS, AND TYPE III BARRICADES SHALL BE EQUIPPED WITH MONO-DIRECTIONAL TYPE A AMBER FLASHING LIGHTS.
9. ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE COVERED OR REMOVED IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
10. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH THE DESIGNATED TRAFFIC CONTROL PLAN.
11. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN TRAFFIC IN ACCORDANCE WITH THE MAINTENANCE OF TRAFFIC PLANS, SPECIAL PROVISIONS, APPLICABLE STATE STANDARDS, AND AS DIRECTED BY THE ENGINEER. ANY CHANGES TO THE MAINTENANCE OF TRAFFIC SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO IMPLEMENTING ANY CHANGES.
12. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL PROMPTLY RESPOND AT THE TIME OF NOTIFICATION BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC CONTROL DEVICES.
13. THE ENGINEER SHALL BE INFORMED A MINIMUM OF 48 HOURS IN ADVANCE OF ANY PROPOSED CHANGE TO THE SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN.
14. ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER SEVEN (7) DAYS OF SERVICE SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. ALL MARKINGS THAT REQUIRE REPLACEMENT PRIOR TO SEVEN (7) DAYS OF SERVICE SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
15. ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED, COVERED OR TURNED AWAY FROM THE TRAFFIC IMMEDIATELY WHEN THEY ARE NO LONGER NECESSARY. WHEN A SIGN IS COVERED, ITS POST SHALL HAVE A REFLECTIVE 3" X 6" DELINEATOR INSTALLED. THE COST OF THE DELINEATOR IS INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
16. TEMPORARY CONCRETE BARRIERS AND TEMPORARY IMPACT ATTENUATORS SHALL BE PLACED AS SHOWN IN THE PLANS. FURNISHING, INSTALLING AND RELOCATING TEMPORARY CONCRETE BARRIER AND TEMPORARY IMPACT ATTENUATORS SHALL BE IN ACCORDANCE WITH IDOT SPECIAL PROVISIONS, IDOT HIGHWAY STANDARDS, STANDARD SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER.
17. TEMPORARY CONCRETE BARRIER WALL SHALL BE CONTINUOUSLY PINNED TO THE PAVEMENT IN ACCORDANCE WITH IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION WHERE A 3.5 FOOT CLEAR ZONE FREE FROM DROP-OFFS, FIXED OBJECTS, OR OTHER OBSTACLES CANNOT BE PROVIDED BEHIND THE WALL. ANY HOLES LEFT IN THE EXISTING PAVEMENT AREAS THAT ARE NOT TO BE RESURFACED SHALL BE FILLED WITH A NON-SHRINK GROUT TO THE SURFACE OF THE EXISTING PAVEMENT. THE FILLING OF ANY HOLES SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF TEMPORARY CONCRETE BARRIER.
18. IMMEDIATELY AFTER THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL RESTORE ALL PERMANENT PAVEMENT MARKINGS, SIGNS, AND OTHER TRAFFIC CONTROL DEVICES THAT WERE COVERED, REMOVED, DAMAGED OR OTHERWISE AFFECTED BY CONSTRUCTION.
19. THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY DRAINAGE AND EROSION CONTROL PROTECTION DURING ALL STAGES OF CONSTRUCTION.

SUGGESTED SEQUENCE OF CONSTRUCTION & MAINTENANCE OF TRAFFIC

THE FOLLOWING SEQUENCE OF CONSTRUCTION AND MAINTENANCE OF TRAFFIC IS SUGGESTED. VARIATIONS MAY BE MADE WITH THE APPROVAL OF THE ENGINEER.

FOR EACH STAGE OF CONSTRUCTION, PROVIDE TRAFFIC CONTROL AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS. COORDINATE INSTALLATION OF TEMPORARY PAVEMENT MARKINGS AND OTHER TRAFFIC CONTROL DEVICES WITH THE EXISTING TRAFFIC PATTERNS AT THE PROJECT LIMITS.

SEQUENCE OF CONSTRUCTION:

PRE-STAGE

1. INSTALL PORTABLE CHANGEABLE MESSAGE SIGNS AS DIRECTED BY THE ENGINEER.
2. INSTALL EROSION CONTROL DEVICES PER THE EROSION CONTROL PLANS.
3. CONSTRUCT TEMPORARY WIDENING TO BE USED FOR STAGE I ON IL ROUTE 47 UTILIZING IDOT HWY STANDARD 701326.
4. INSTALL TEMPORARY GUARDRAIL AS SHOWN IN THE PLANS TO BE USED FOR STAGE I.

STAGE I

1. INSTALL STAGE I TRAFFIC CONTROL ON IL ROUTE 47 ACCORDING TO THE PLANS AND HIGHWAY STANDARD 701321.
2. SHIFT TRAFFIC TO THE WEST SIDE OF THE EXISTING PAVEMENT UTILIZING THE SOUTHBOUND LANE AND TEMPORARY PAVEMENT WIDENING.
3. REVIEW TRAFFIC CONDITIONS AND ADJUST SIGNAL TIMING AS NECESSARY.
4. REMOVE STAGE I PORTION OF THE EXISTING FULL DEPTH PAVEMENT AND EXISTING DOUBLE BOX CULVERT TO THE REMOVAL LINE AS SHOWN IN THE PLANS.
5. CONSTRUCT TEMPORARY SHEET PILING AS SHOWN IN THE PLANS.
6. CONSTRUCT STAGE I PORTION OF PROPOSED DOUBLE BOX CULVERT AND WING WALLS.
7. CONSTRUCT NORTHBOUND ROADWAY AND SHOULDER TO THE HMA BINDER/BASE COURSE.
8. INSTALL PROPOSED GUARDRAIL AS SHOWN IN THE PLANS.

STAGE II

1. REMOVE STAGE I TRAFFIC CONTROL DEVICES AND PLACE STAGE II TRAFFIC CONTROL ACCORDING TO THE PLANS AND HIGHWAY STANDARD 701321.
2. SHIFT TRAFFIC TO THE NEWLY CONSTRUCTED NORTHBOUND LANE AND SHOULDER OF IL ROUTE 47.
3. REVIEW TRAFFIC CONDITIONS AND ADJUST SIGNAL TIMING AS NECESSARY.
4. REMOVE THE REMAINING PORTION OF THE EXISTING FULL DEPTH PAVEMENT AND TEMPORARY WIDENING, DOUBLE BOX CULVERT, AND GUARDRAIL AS SHOWN IN PLANS.
5. CONSTRUCT REMAINING PORTION OF PROPOSED DOUBLE BOX CULVERT AND WING WALLS.
6. CONSTRUCT SOUTHBOUND ROADWAY AND SHOULDER TO THE HMA BINDER/BASE COURSE.
7. INSTALL PROPOSED GUARDRAIL AS SHOWN IN THE PLANS.

STAGE III

1. REOPEN IL ROUTE 47 TO 2 LANES - 1 LANE IN EACH DIRECTION AND REMOVE TEMPORARY TRAFFIC SIGNALS.
2. COMPLETE ALL UNFINISHED LANDSCAPING.
3. CONSTRUCT HMA LEVELING BINDER AND HMA SURFACE COURSE OVER ALL PAVEMENT UTILIZING HIGHWAY STANDARD 701201.
4. INSTALL PERMANENT PAVEMENT MARKINGS AND SIGNAGE ON IL ROUTE 47.
5. REMOVE TEMPORARY EROSION CONTROL DEVICES.

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PLOT DATE = 10/19/2016	DATE - 10/19/2016	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC GENERAL NOTES
IL ROUTE 47**

SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	18
			CONTRACT NO. 62A97	
ILLINOIS FED. AID PROJECT				

FILE NAME = Q:\Engineering\LiveProjects\13016 IDOT DUR\13016b-WO 2 Contract No. 62A97\CADD\CADD Sheets\Civil\162A97-sht-Mot_Typ_Sec.dgn

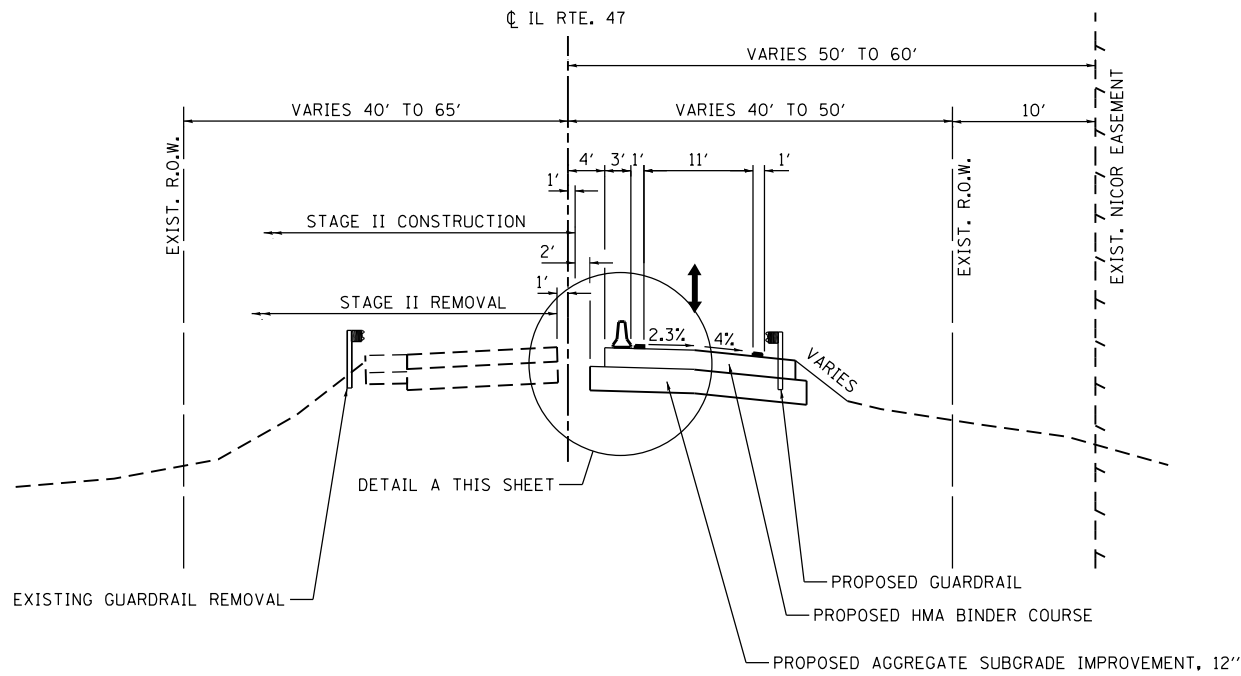
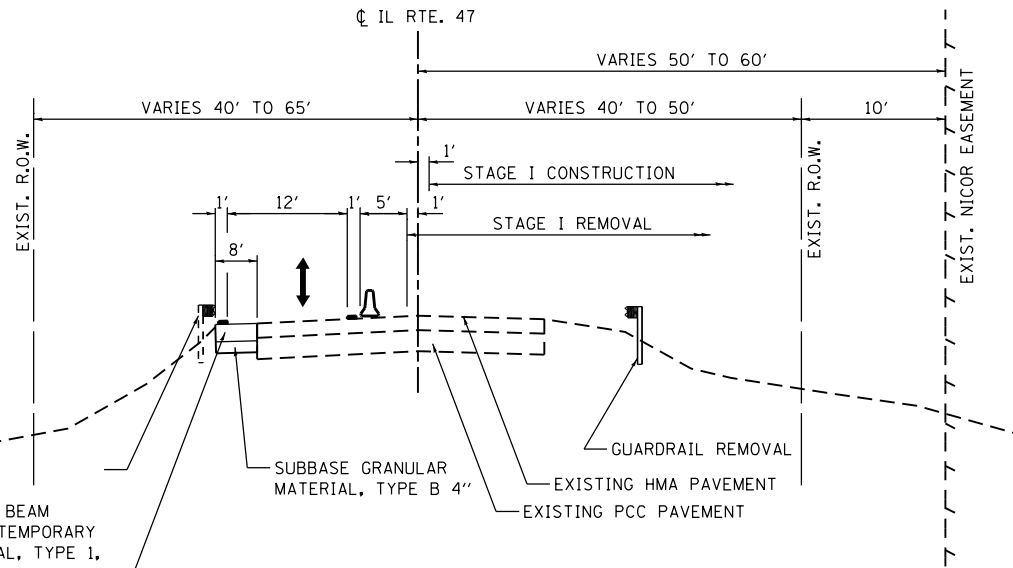
EXISTING GUARDRAIL CONNECTED TO TEMPORARY STEEL PLATE BEAM GUARDRAIL, TYPE A AND TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)

TEMPORARY PAVEMENT, (HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 10") CROSS SLOPE MATCHES ADJACENT ROADWAY (CONSTRUCTED DURING PRE-STAGE)

NOTE:
TEMPORARY PAVEMENT AND TEMPORARY GUARDRAIL INSTALLED DURING PRE-STAGE I CONSTRUCTION
SEE MOT PLANS FOR LIMITS

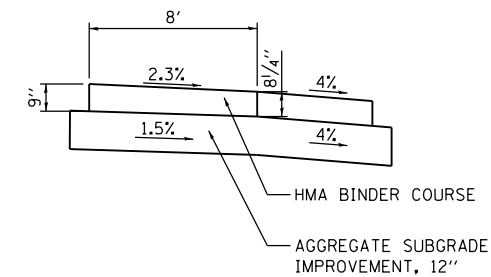
IL ROUTE 47 – STAGE I

STA. 79+90 TO STA. 85+30



IL ROUTE 47 – STAGE II

STA. 79+60 TO STA. 85+40



DETAIL A
STAGE I PAVEMENT CONSTRUCTION

LEGEND

- ↑ DIRECTION OF TRAFFIC
- △ TEMPORARY CONCRETE BARRIER WALL
- TEMPORARY PAVEMENT MARKING, 4"



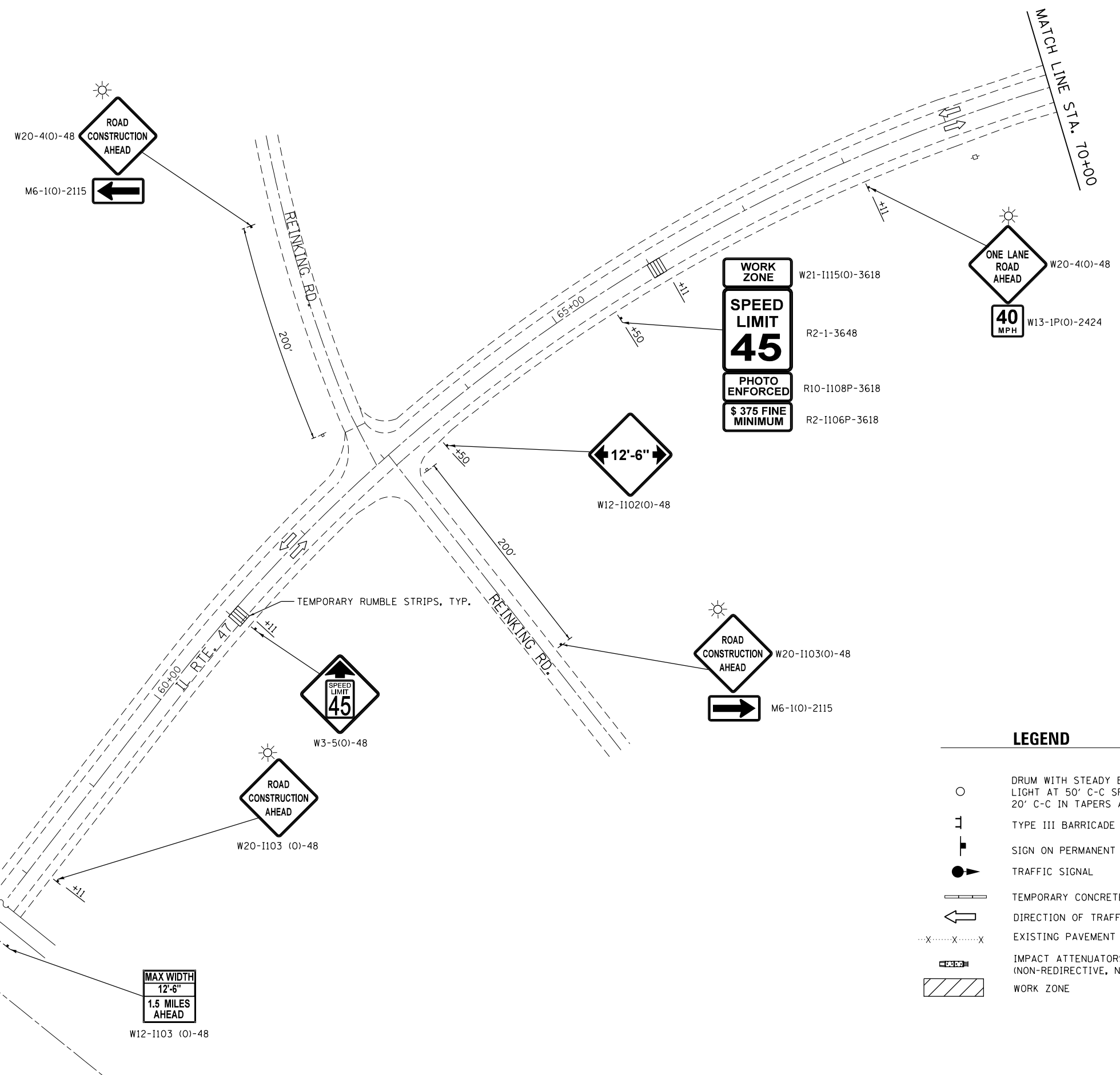
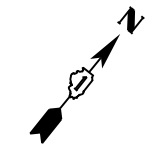
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION










MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
IL ROUTE 47

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	19
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				



LEGEND

-  DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT AT 50' C-C SPACING IN TANGENT AND 20' C-C IN TAPERS AND RADII
-  TYPE III BARRICADE WITH 2 TYPE A FLASHERS
-  SIGN ON PERMANENT OR PORTABLE SUPPORT
-  TRAFFIC SIGNAL
-  TEMPORARY CONCRETE BARRIER
-  DIRECTION OF TRAFFIC
-  EXISTING PAVEMENT MARKING REMOVAL
-  IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
-  WORK ZONE

FILE NAME = Q:\Engineering\LiveProjects\13016 IDOT DURV\3016b-WO 2 Contract No. 62A97\CADD\CADD Sheets\Civil\162A97-sht-MOT stage 1 sheet 1.dgn



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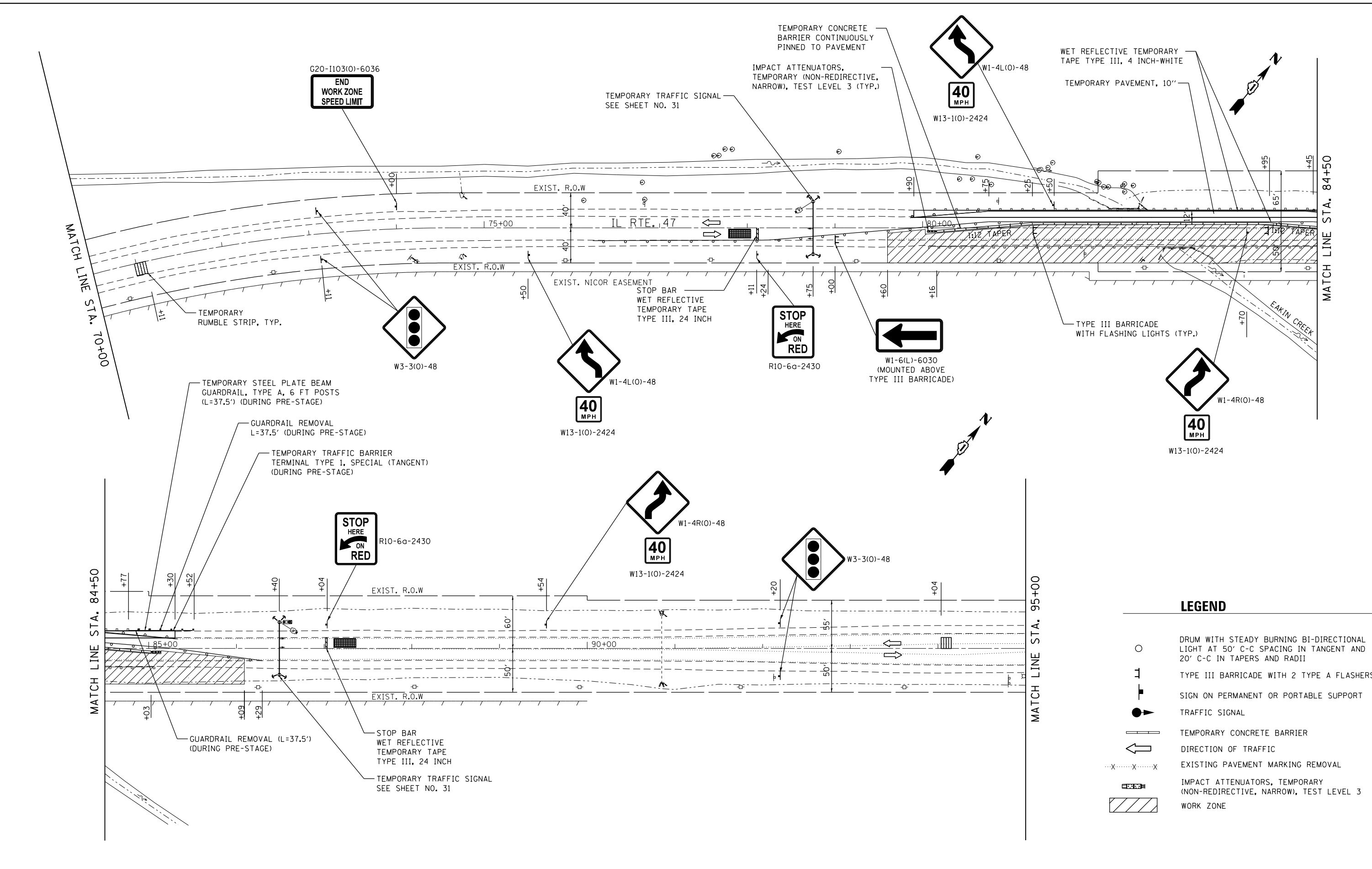
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - STAGE I
IL ROUTE 47**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	20
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

FILE NAME = Q:\Engineering\LiveProjects\13016 IDOT DUR\13016b-WO 2 Contract No. 62A97\CADD\CADD Sheets\Civil\162A97-sht-MOT stage 1 sheet 2.dgn



LEGEND

- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT AT 50' C-C SPACING IN TANGENT AND 20' C-C IN TAPERS AND RADII
- TYPE III BARRICADE WITH 2 TYPE A FLASHERS
- SIGN ON PERMANENT OR PORTABLE SUPPORT
- TRAFFIC SIGNAL
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC
- EXISTING PAVEMENT MARKING REMOVAL
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3 WORK ZONE



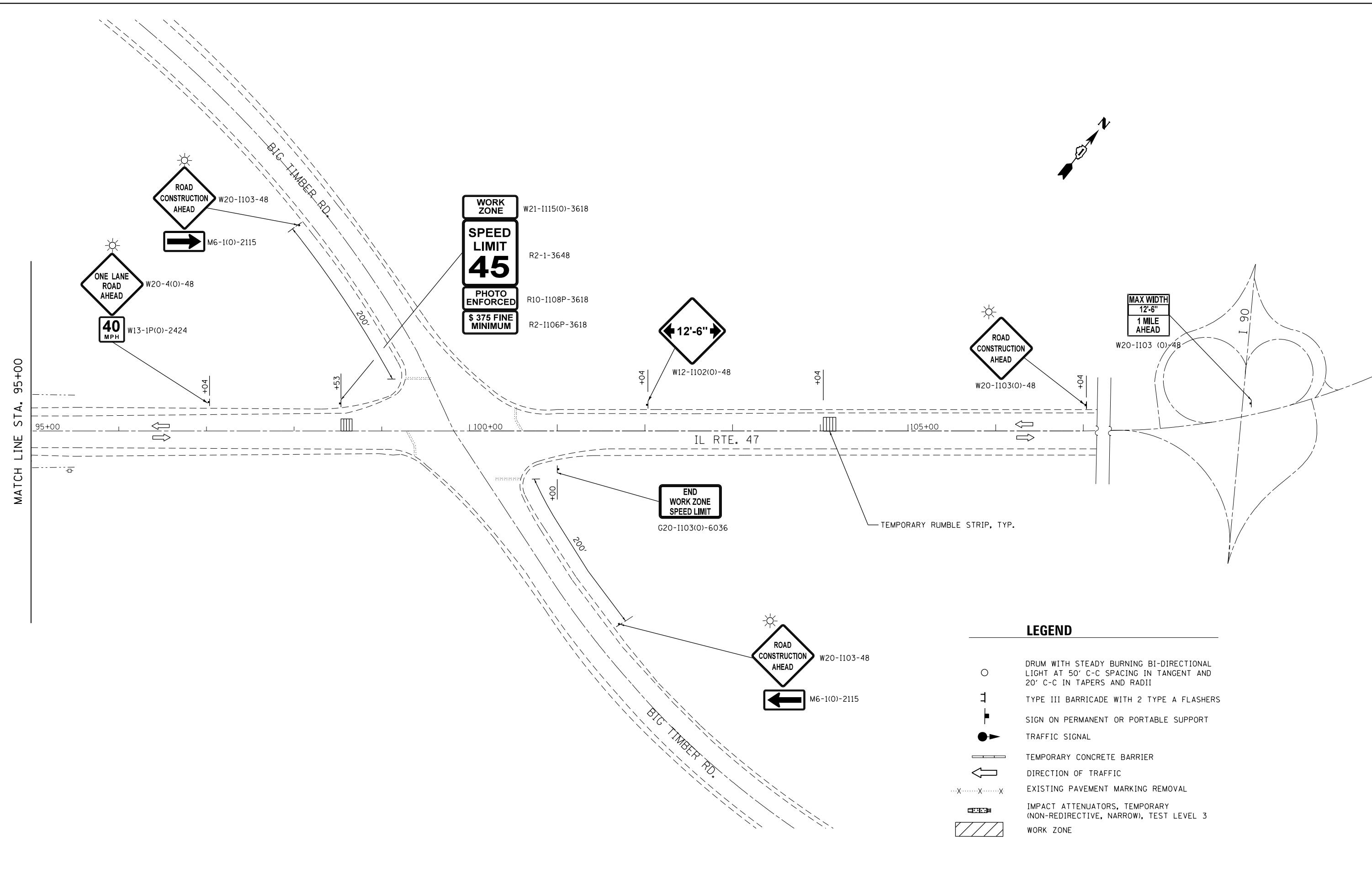
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	DATE - 10/19/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC - STAGE I			
IL ROUTE 47			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	21
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				

FILE NAME = Q:\Engineering\LiveProjects\13016 IDOT DUR\13016b-WO 2 Contract No. 62A97\CADD\CADD Sheets\Civil\13016b-WO 2 sheet 3.dgn



LEGEND

- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT AT 50' C-C SPACING IN TANGENT AND 20' C-C IN TAPERS AND RADII
- TYPE III BARRICADE WITH 2 TYPE A FLASHERS
- SIGN ON PERMANENT OR PORTABLE SUPPORT
- TRAFFIC SIGNAL
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC
- EXISTING PAVEMENT MARKING REMOVAL
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
- WORK ZONE



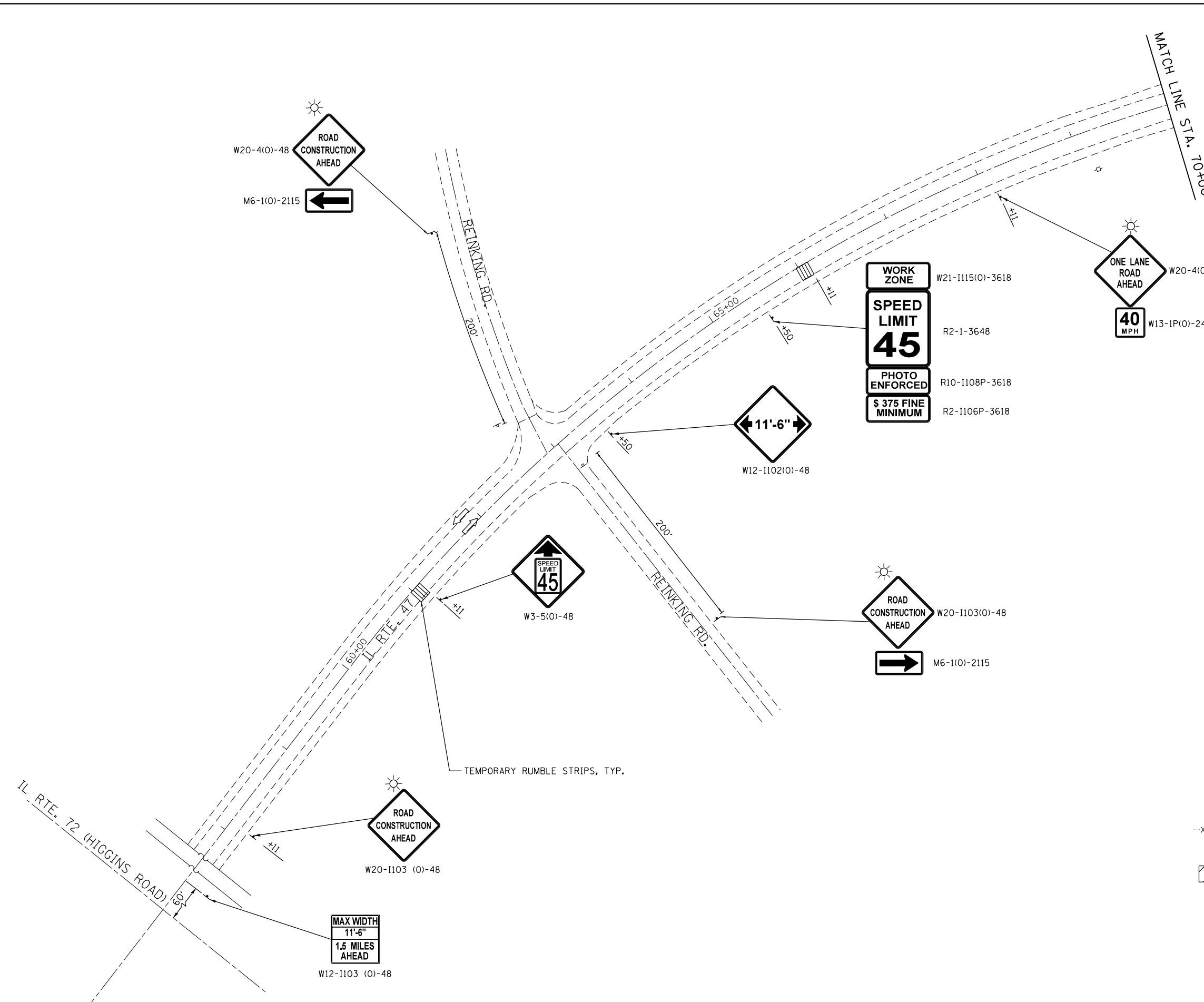
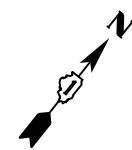
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**










**MAINTENANCE OF TRAFFIC – STAGE I
IL ROUTE 47**

F.A.P. RTE. 326	SECTION 2015-040B	COUNTY KANE	TOTAL SHEETS 67	SHEET NO. 22
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



LEGEND

-  DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT AT 50' C-C SPACING IN TANGENT AND 20' C-C IN TAPERS AND RADII
-  TYPE III BARRICADE WITH 2 TYPE A FLASHERS
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-  TRAFFIC SIGNAL
-  TEMPORARY CONCRETE BARRIER
-  DIRECTION OF TRAFFIC
-  EXISTING PAVEMENT MARKING REMOVAL
-  IMPACT ATTENUATORS TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
-  WORK ZONE

FILE NAME = Q:\Engineering\LiveProjects\13016 IDOT DURN\3016b-WO 2 Contract No. 62A97\CADD\CADD Sheets\Civil\162A97-sht-MOT stage 2 sheet 1.dgn

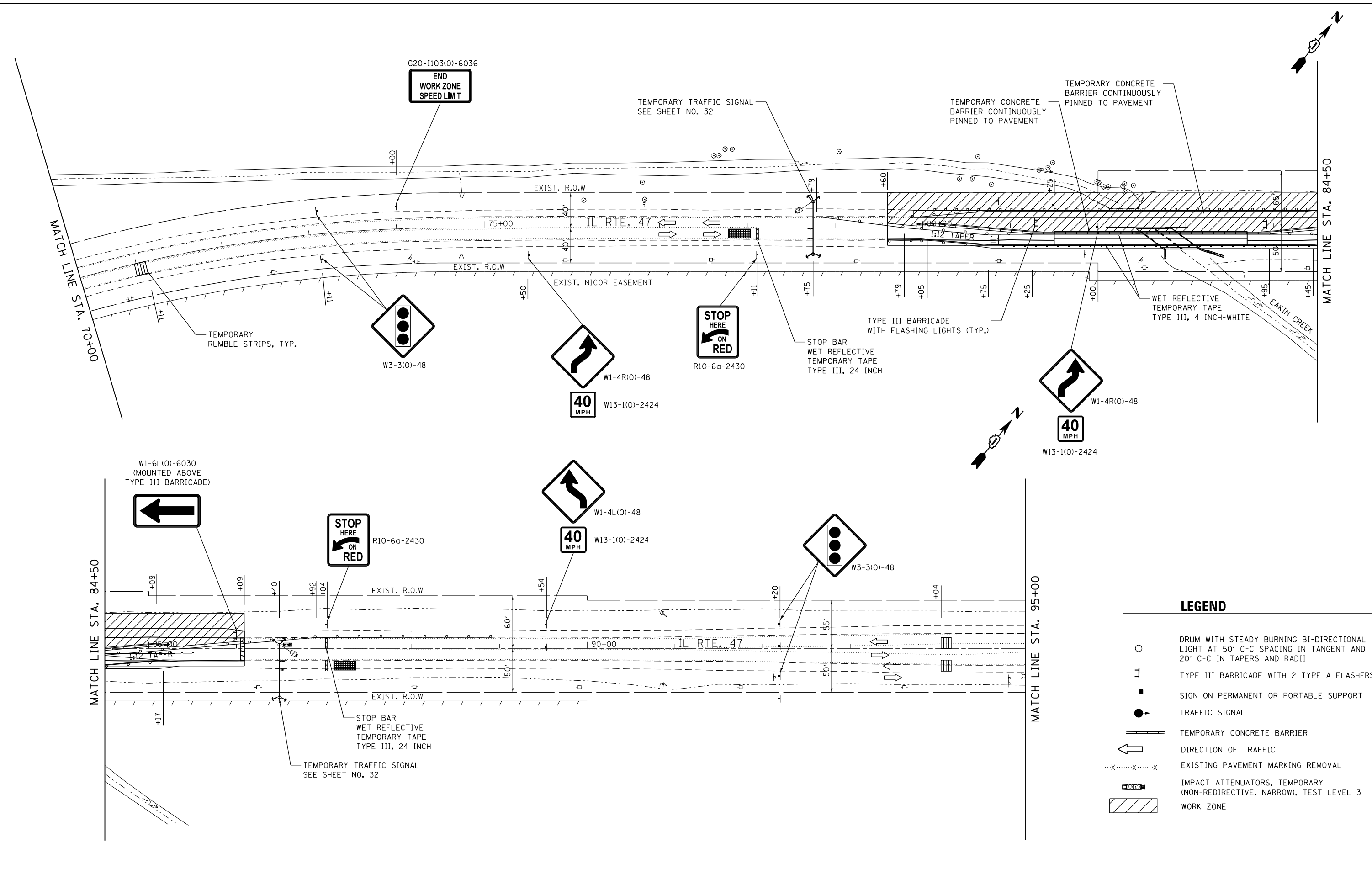
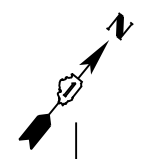


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PLOT DATE = 10/19/2016	DATE - 10/19/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC - STAGE II			
IL ROUTE 72			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	23
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				



LEGEND

- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT AT 50' C-C SPACING IN TANGENT AND 20' C-C IN TAPERS AND RADII
- TYPE III BARRICADE WITH 2 TYPE A FLASHERS
- SIGN ON PERMANENT OR PORTABLE SUPPORT
- TRAFFIC SIGNAL
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC
- EXISTING PAVEMENT MARKING REMOVAL
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
- WORK ZONE

FILE NAME = Q:\Engineering\LiveProjects\13016 IDOT DURN\3016b-WO 2 Contract No. 62A97\CADD\CADD Sheets\Civil\162A97-sht-MOT stage 2 sheet 2.dgn



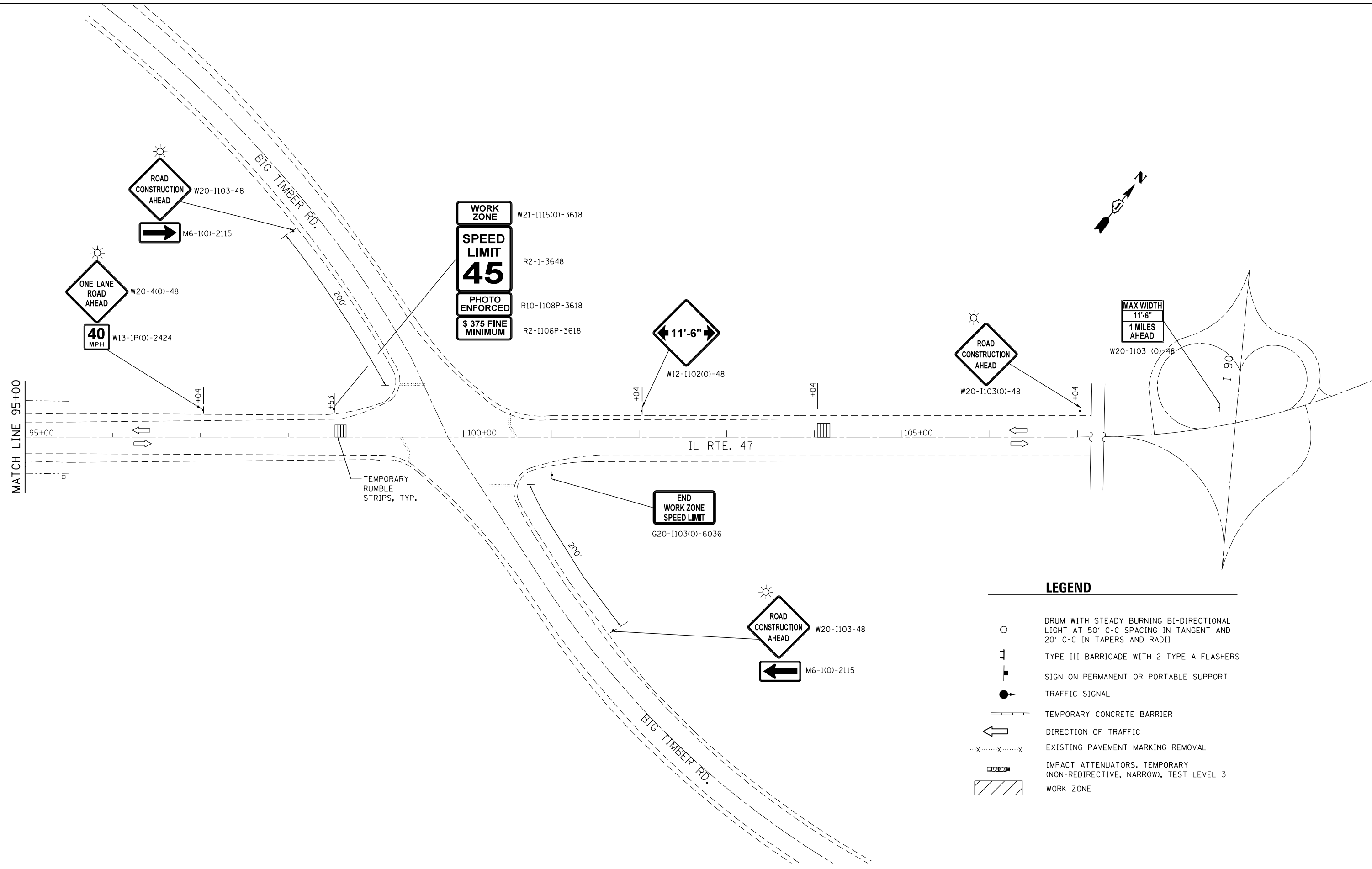
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PLOT DATE = 10/19/2016	CHECKED - TGM	REVISED -
	DATE - 10/19/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC - STAGE II			
IL ROUTE 47			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	24
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				

FILE NAME = Q:\Engineering\LiveProjects\13016 IDOT DUR\13016b-WO 2 Contract No. 62A97\CA00\CA00 Sheets\Civil\162A97-sht-MOT stage 2 sheet 3.dgn



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PLOT DATE = 10/19/2016	DATE - 10/19/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - STAGE II
IL ROUTE 47**

F.A.P. RTE. 326	SECTION 2015-040B	COUNTY KANE	TOTAL SHEETS 67	SHEET NO. 25
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

EROSION AND SEDIMENT CONTROL NOTES:

1. ALL CONTROL MEASURES NECESSARY MUST MEET THE MINIMUM REQUIREMENTS AS DESCRIBED IN THE LATEST EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. ADDITIONAL DETAILS AND BMPs ARE ALSO AVAILABLE AND CAN BE UTILIZED AS SHOWN IN THE ILLINOIS URBAN MANUAL, REVISED TO LATEST VERSION AS AMENDED. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDE: (HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/EROSION-AND-SEDIMENT-CONTROL).
2. ALL THE SOIL EROSION AND SEDIMENT CONTROL FEATURES MUST BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE. SOIL DISTURBANCE MUST BE PHASED OR ENACTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES MUST CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY AND/OR PERMANENT MEASURES.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT SEDIMENT TRANSPORT OFF THE SITE IS REDUCED BY A COMBINATION OF MINIMIZATION OF EROSION AT THE SOURCE AND THE INSTALLATION OF SPECIFIC MEASURES TO CONTROL OR REDUCE THE TRANSPORT OF SEDIMENT. A COPY OF THE EROSION AND SEDIMENT CONTROL SCHEDULE BEING IMPLEMENTED BY THE CONTRACTOR MUST BE APPROVED BY THE ENGINEER, WILL BE ON THE CONSTRUCTION SITE AT ALL TIMES.
4. ALL RUNOFF ORIGINATING ON DISTURBED AREAS ASSOCIATED WITH THIS PROJECT WILL PASS THROUGH ONE OR MORE MEASURES THAT WILL MINIMIZE THE OFF-SITE SEDIMENT IMPACTS OF THE CONSTRUCTION ACTIVITIES.
5. DISTURBED AREAS ARE TO BE PROTECTED FROM EROSION IN A TIMELY MANNER. UPON COMPLETION OF GRADING OR CONSTRUCTION ACTIVITY, THE AREA WILL BE STABILIZED (USING PERMANENT MEASURES WHEN POSSIBLE) WITHIN ONE (1) CALENDAR DAY PER SWPPP SECTION II.B.
6. THE CONTRACTOR MUST CLEAN UP, GRADE THE WORK AREA AS THE PROJECT PROGRESSES AND INSTALL EROSION PROTECTION TO ELIMINATE THE CONCENTRATION OF RUNOFF, OR MUST INSTALL APPROPRIATE SEDIMENT CONTROL DEVICES TO TRAP SEDIMENT. PAVEMENT MUST BE CLEANED DAILY OR AS NECESSARY TO REMOVE EARTHEN MATERIAL TO THE SATISFACTION OF THE ENGINEER OR AUTHORIZED IDOT PERSONNEL.
7. STABILIZATION OF CUT OR FILL SLOPES WITH TEMPORARY OR PERMANENT EROSION CONTROL MEASURES IS REQUIRED WHENEVER THE CUT OR FILL ACTIVITY REACHES 10-FT VERTICALLY OR THE FINISHED SLOPE EQUALS 30-FT, WHICHEVER IS MORE RESTRICTIVE. ONCE THE STABILIZATION MEASURES ARE INSTALLED, THE PLACEMENT OF FILL EXCAVATION ACTIVITIES ARE ALLOWED TO PROCEED.
8. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION. THE CONTRACTOR SHALL DESIGNATE ONE OF HIS EMPLOYEES TO BE RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN ON ALL DISTURBED AREAS THROUGHOUT THE PROJECT.
9. THE CONTRACTOR'S REPRESENTATIVE HAS TO BE KNOWLEDGEABLE ABOUT INSTALLATION AND MAINTENANCE OF THE REQUIRED MEASURES AND HAVE TAKEN AN ILLINOIS DEPARTMENT OF TRANSPORTATION OR APPROVED EQUAL EROSION AND SEDIMENT CONTROL COURSE. THIS PERSON SHALL HAVE THE AUTHORITY TO CARRY OUT THE IMPLEMENTATION OF ANY INSTRUCTION CONCERNING THE EROSION AND SEDIMENT CONTROL PLAN PROVIDED BY THE ENGINEER. THIS INDIVIDUAL AND THE ENGINEER MUST MAKE INSPECTIONS A MINIMUM OF ONCE EVERY SEVEN DAYS OF THE FOLLOWING:
 - A. DISTURBED AREAS OF THE PROJECT SITE THAT HAVE NOT BEEN FULLY STABILIZED.
 - B. STRUCTURAL CONTROL MEASURES (SUCH AS PERIMETER EROSION BARRIER, ETC.)
 - C. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE PROJECT SITE.
 - D. AN ADDITIONAL INSPECTION OF THE ITEMS LISTED ABOVE MUST BE MADE WITHIN 24-HOURS AFTER A 24-HOUR RAINFALL OR EQUIVALENT SNOWFALL EVENT GREATER THAN 0.5-INCH. DURING WINTER MONTHS, ALL MEASURES MUST BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
10. ALL THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED DURING THE CONSTRUCTION SEASON, AS WELL AS OVER THE WINTER SHUTDOWN PERIOD AND OTHER DAYS WHEN THE PROJECT IS CLOSED DOWN FOR A LONGER DURATION. ANY CONTROL MEASURES FILLED MORE THAN 75% MUST BE CLEANED AND RESET AND THESE SPOILS REMOVED TO AN APPROVED SITE.
11. SALVAGED TOPSOIL SHALL BE PLACED ON WELL DRAINED LAND AWAY FROM INTERMITTENT AND ACTIVE DRAINAGE PATHS WITH THE APPROPRIATE RUNOFF CONTROL AND SEDIMENT CONTROL MEASURES INSTALLED AROUND THE STORAGE SITE. IMMEDIATELY AFTER THE FINAL SHAPING OF THE STOCKPILE, THE TOPSOIL WILL BE STABILIZED IN ACCORDANCE WITH THE METHOD APPROVED BY IDOT. THE CONTRACTOR WILL PROVIDE ADEQUATE QUANTITY OF SILT FENCE TO CONTROL THE PERIMETER OF THE STOCKPILE.

12. EXCAVATION TO BE USED FOR EMBANKMENTS SHALL NOT BE STOCKPILED UNLESS PERIMETER CONTROLS ARE UTILIZED. WHEN THIS MATERIAL IS STOCKPILED FOR THE CONVENIENCE OF THE CONTRACTOR, THE COST OF THE CONTROLS WILL BE BORNE BY THE CONTRACTOR. IF THE MATERIAL IS STOCKPILED AT THE DIRECTION OF THE ENGINEER, THE DEPARTMENT WILL ASSUME THE COST OF INSTALLING AND MAINTAINING THE CONTROLS.
13. IF AND/OR WHEN THE CONTRACTOR REQUESTS CHANGE TO POSTPONE COMPLETION OF THE EXCAVATION OF A SPECIFIC AREA AS A CONTINUOUS OPERATION AND PLACING THE TOPSOIL AS DEFINED IN THE STANDARD SPECIFICATIONS, THE ENGINEER MAY ALLOW THE CONTRACTOR TO STABILIZE THE AREA USING TEMPORARY STABILIZATION WITH STRAW MULCH 25 FEET AWAY FROM THE SHOULDER OF THE ROAD PROVIDED THE FOLLOWING CONDITIONS ARE MET:
 - A. ALL AREAS BEING STABILIZED ARE 1:3 SLOPES OR FLATTER
 - B. THE CONTRACTOR BEARS THE COST OF PREPARING THE SEED BED AND STABILIZING THE AREA WITH TEMPORARY STABILIZATION WITH MULCH, METHOD 2.
 - C. ALL REQUIRED SEDIMENT CONTROL MEASURES FOR THE SECTION OF ROAD IN QUESTION HAVE BEEN INSTALLED AND ARE BEING MAINTAINED.
14. TOPSOIL PLACEMENT: TOPSOIL WILL BE PLACED ON FINAL SLOPES WHICH WILL NOT BE DISTURBED BY FUTURE CONSTRUCTION. TOPSOIL WILL NOT BE PLACED ON SURFACES WHICH WILL BE PAVED IN THE FUTURE NOR ON TEMPORARY STEEP SLOPES.
15. IN AREAS WHERE A PERMANENT VEGETATIVE COVER IS PRACTICABLE AND INCLUDED IN THE CONTRACT DOCUMENTS, A SPECIAL EFFORT SHOULD BE MADE TO ESTABLISH A COVER AS SOON AS A DISTURBED AREA IS BROUGHT TO FINAL GRADE. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
16. THE CONTRACTOR'S REPRESENTATIVE AND THE ENGINEER MUST KEEP A WRITTEN REPORT SUMMARIZING THE REQUIRED INSPECTIONS. THE REPORTS MUST BE KEPT AT THE SITE DURING CONSTRUCTION. THE REPORT MUST ALSO BE RETAINED FOR THREE YEARS FROM THE DATE THE SITE IS FINALLY STABILIZED.
17. ANY SEDIMENT LADEN DEWATERING DISCHARGE MUST BE DIRECTED TO AN APPROVED SEDIMENT TRAPPING CONTROL MEASURE PRIOR TO RELEASE FROM THE PROJECT SITE.
18. NO WORK IS ALLOWED BEYOND THE PERMITTED AREA. ANY WORK WITHIN A CREEK OR DITCH CAPABLE OF CONVEYING WATER MUST BE CONDUCTED IN THE DRY. PROVISIONS MUST BE MADE TO BYPASS PUMP OR DEWATER ANY AREAS IN WHICH WORK WILL BE CONDUCTED. IN HIGH FLOW CHANNELS WHERE DEWATERING IS NOT POSSIBLE OR PRACTICAL, SILT FENCE OR SEDIMENT CURTAINS MAY BE INSTALLED PARALLEL TO THE STREAM BANK. IN NO CASE WILL THE CURTAINS BE INSTALLED PERPENDICULAR TO THE FLOW. DEWATERING MUST BE DISCHARGED TO A STABLE, NON-ERODIBLE SURFACE AND IN-STREAM WORK BARRIERS MUST BE COMPOSED OF NON-ERODIBLE MATERIAL.
19. SEEDING USAGE

CLASS 3:
USED ON FINAL DISTURBED CONSTRUCTION AREAS INDICATED ON THE PLANS.

CLASS 4B (MODIFIED):
USED ON FINAL DISTURBED CONSTRUCTION AREAS INDICATED ON THE PLANS.

TEMPORARY EROSION CONTROL SEEDING:
USED IN AREAS REQUIRING SHORT TERM TEMPORARY SEEDING DURING CONSTRUCTION.
20. THE CONTRACTOR MUST COOPERATE WITH THE ENGINEER AND HIS/HER REPRESENTATIVE WHO WILL MAKE SITE VISITS TO REVIEW THE COMPLIANCE OF THE PLANS IN THE FIELD AND AUDIT IF NECESSARY. THE CONTRACTOR MUST PREPARE THE LOGS AND RECORDS WHEN REQUIRED AND SUBMIT TO IDOT AND/OR APPROPRIATE AGENCIES.
21. THE INSTALLATION, MAINTENANCE, REMOVAL AND RESTORATION OF THE AREA DISTURBED BY THE PLACEMENT OF THE PERIMETER EROSION BARRIER ARE INCLUDED IN THE CONTRACT UNIT PRICE FOR PERIMETER EROSION BARRIER. AFTER ALL PERIMETER EROSION BARRIER IS REMOVED, THE AREAS DAMAGED BY THE PERIMETER EROSION CONTROL BARRIER MUST BE RESTORED TO THEIR ORIGINAL CONDITION.
22. STABILIZATION MEASURES SHALL BE INITIATED IMMEDIATELY WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN ONE (1) DAY AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED ON ALL DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION WILL NOT OCCUR FOR A PERIOD OF FOURTEEN (14) OR MORE CALENDER DAYS.
23. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.

24. EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER.
25. THE US ARMY CORPS OF ENGINEERS MUST BE NOTIFIED 10 DAYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
26. THE CONTRACTOR IS REQUIRED TO PROVIDE WASHOUT FACILITIES TO COMPLY WITH EROSION CONTROL PERMITS.
27. THE CONTRACTOR SHALL ATTACH AN ALUMINUM SIGN WITH THE FOLLOWING TEXT: "PROTECTED WETLAND-NO INTRUSION". THE SIGN(S) SHALL BE ATTACHED TO THE STAKES BY THE METHOD APPROVED BY THE ENGINEER. THE SIGN(S) WILL BE PROVIDED BY THE DEPARTMENT AND SHALL BE PICKED UP BY THE CONTRACTOR FROM THE DISTRICT ONE ROADSIDE DEVELOPMENT ARCHITECT IN SCHAUMBURG, ILLINOIS. SCHEDULING THE PICKUP OF THE SIGNS CAN BE ARRANGED BY CONTACTING THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171. WHEN WORK HAS BEEN COMPLETED, THE SIGN(S) SHALL BE RETURNED TO THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT. THE COST OF PICKING UP, ATTACHING THE SIGNS TO THE TEMPORARY STAKES AND RETURNING THE SIGNS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PERIMETER EROSION BARRIER.

SOIL PROTECTION SCHEDULE:

STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
PERMANENT SEEDING						→					→	
DORMANT SEEDING		→		→							→	→
TEMPORARY SEEDING										→		
EROSION BLANKET / HYDROMULCH											→	

EROSION AND SEDIMENT CONTROL STRATEGY:

1. ERECT PERIMETER EROSION BARRIERS AND TEMPORARY FENCES AS SHOWN ON PLANS.
2. ESTABLISH STABILIZED CONSTRUCTION ENTRANCES.
3. CLEAR AND GRUB, REMOVE EXISTING TREES AND BUSHES AS NECESSARY.
4. INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES FOR THE DURATION OF CONSTRUCTION.
5. TEMPORARY STABILIZATION OF EACH STAGE SHOULD BE COMPLETED BEFORE WORK IS MOVED TO SUBSEQUENT STAGES.
6. STABILIZE DISTURBED AREAS WITH TEMPORARY EROSION CONTROL MEASURES. USE THE PERMANENT SEEDING WITH EROSION CONTROL BLANKET FOR PERMANENT STABILIZATION AS SHOWN ON THE PLANS.
7. WHEN THE PERMANENT STABILIZATION IS ESTABLISHED, REMOVE ALL REMAINING TEMPORARY EROSION CONTROL MEASURES.

HIGHWAY STANDARDS:

STD. NO.	TITLE
280001	TEMPORARY EROSION CONTROL SYSTEMS

FILE NAME = Q:\Engineering\Live\Projects\13016 IDOT DUR\13016b-WO 2 Contract No. 62A97\CADD\CADD Sheets\Civil\13016b-WO 2 Contract No. 62A97-sht-Eros notes.dgn

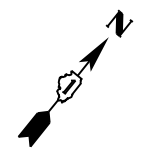


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	DRAWN - JN	REVISED -
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PLOT DATE = 10/19/2016	DATE - 10/19/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

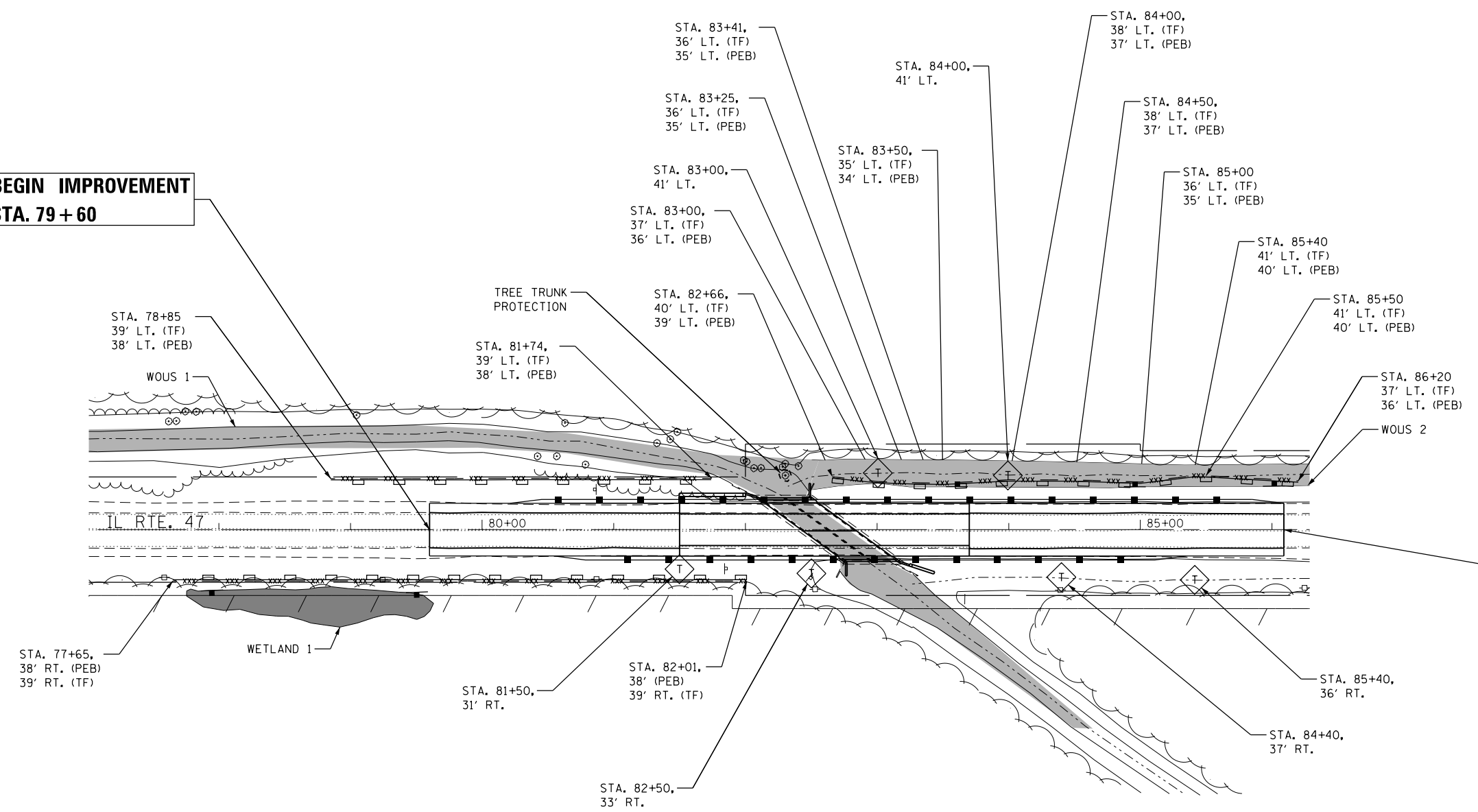
EROSION AND SEDIMENT CONTROL NOTES			
IL ROUTE 47			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	26
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				



**BEGIN IMPROVEMENT
STA. 79 + 60**

**END IMPROVEMENT
STA. 86 + 09**



LEGEND

- xxx — x TEMPORARY FENCE (TF)
- [] — PERIMETER EROSION BARRIER (PEB)
- ◇ T TEMPORARY DITCH CHECK 100' SPACING
- ⊕ TREE TRUNK PROTECTION
- "PROTECTED WETLAND-NO INTRUSION" SIGN
SEE NOTE 27 ON SHEET 26

FILE NAME = Q:\Engineering\LiveProjects\13016 IDOT DUR\13016b-WO 2 Contract No. 62A97\CADD\CADD Sheets\Civil\13016b-WO 2 Contract No. 62A97-sht-Eros plan.dgn



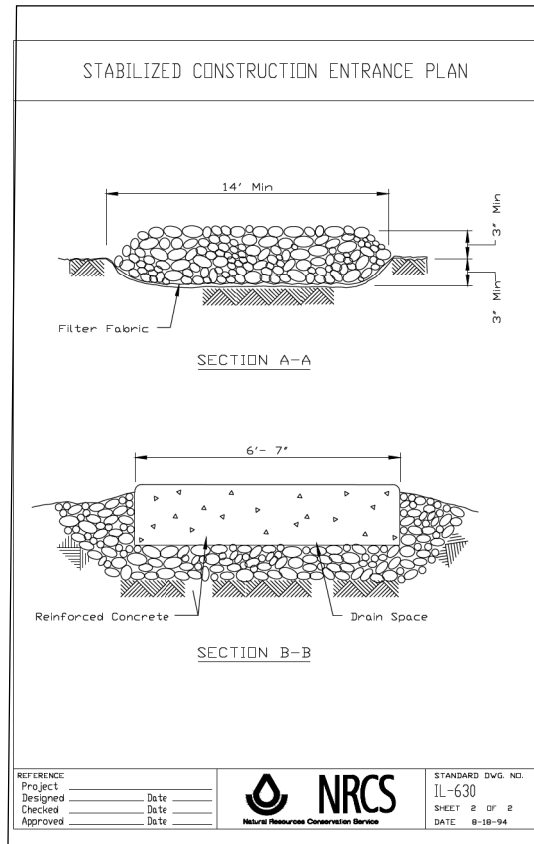
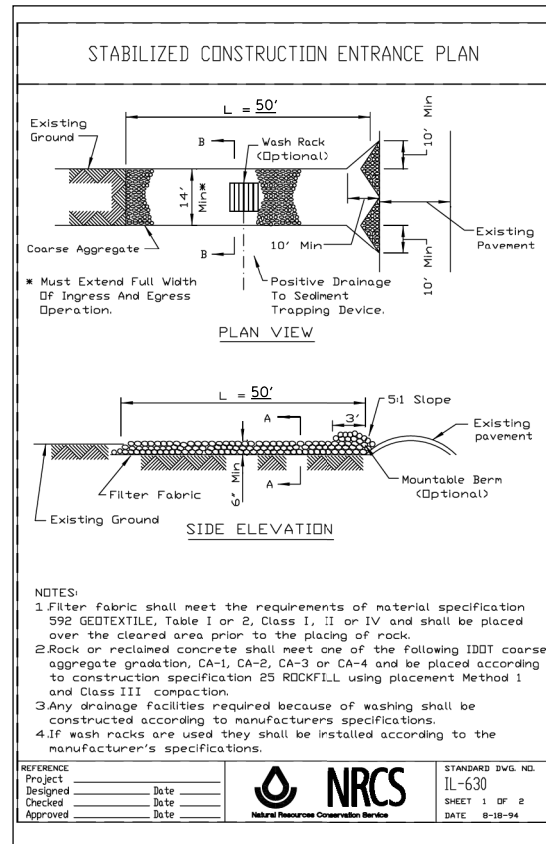
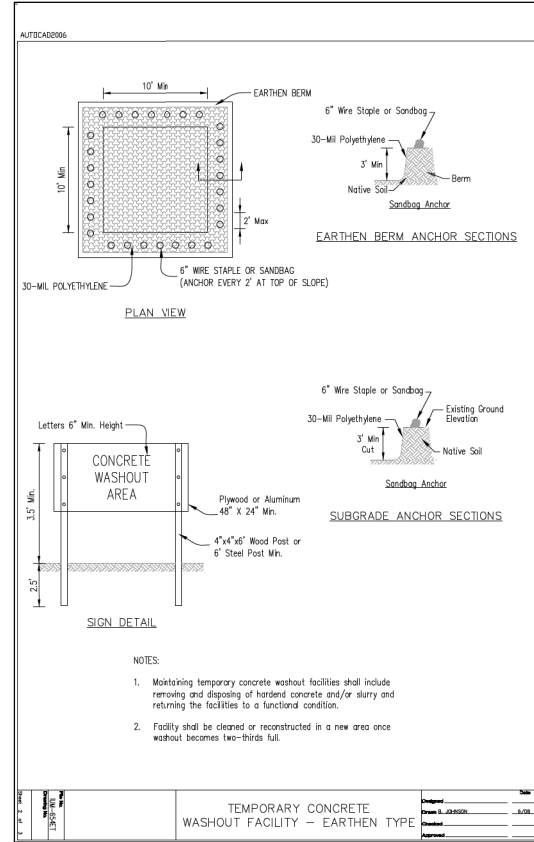
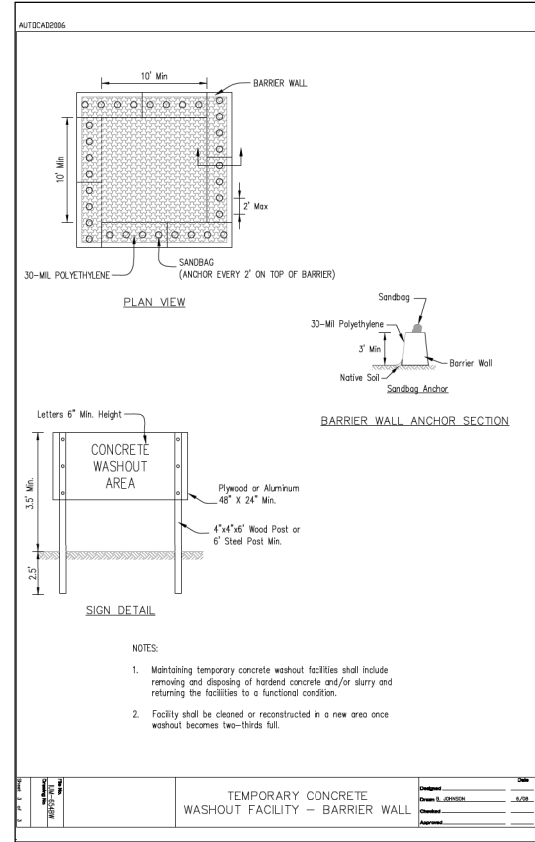
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PLOT DATE = 10/19/2016	DATE - 10/19/2016	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN
IL ROUTE 47**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	27
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				



FILE NAME = G:\Engineering\Live\Projects\13016 IDOT DUR\13016b-WO 2 Contract No. 62A97\CADD\CADD Sheets\Civil\162A97-sht-ErosionControlDe.dgn



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PLOT DATE = 10/19/2016	CHECKED - TGM	REVISED -
	DATE - 10/19/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL DETAILS
IL ROUTE 47**

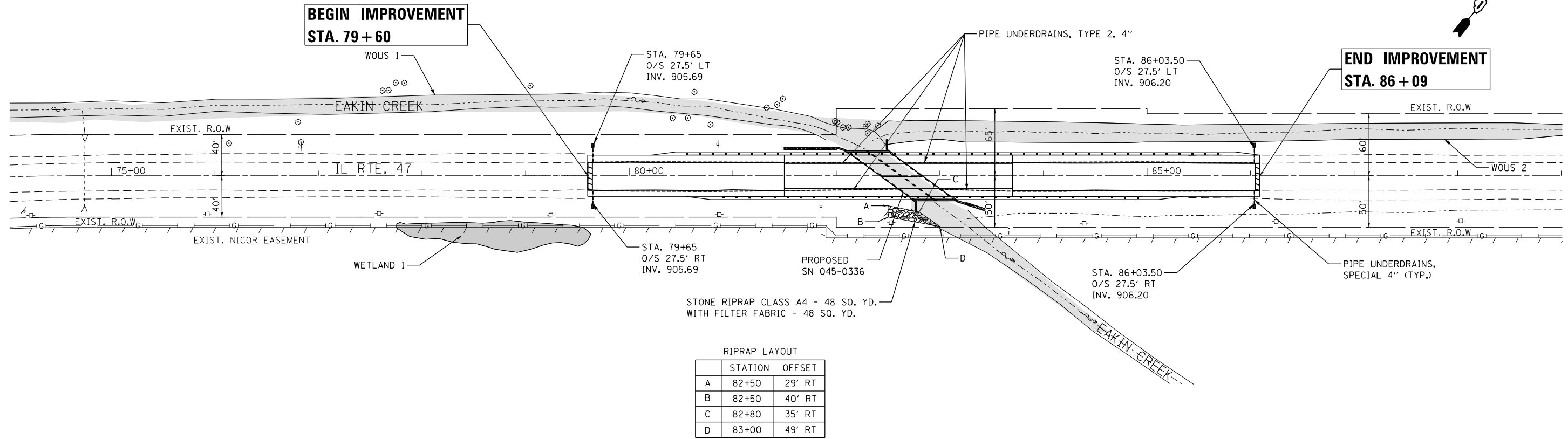
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	28
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
NOTE BOOK NO.	CADD FILE NAME	

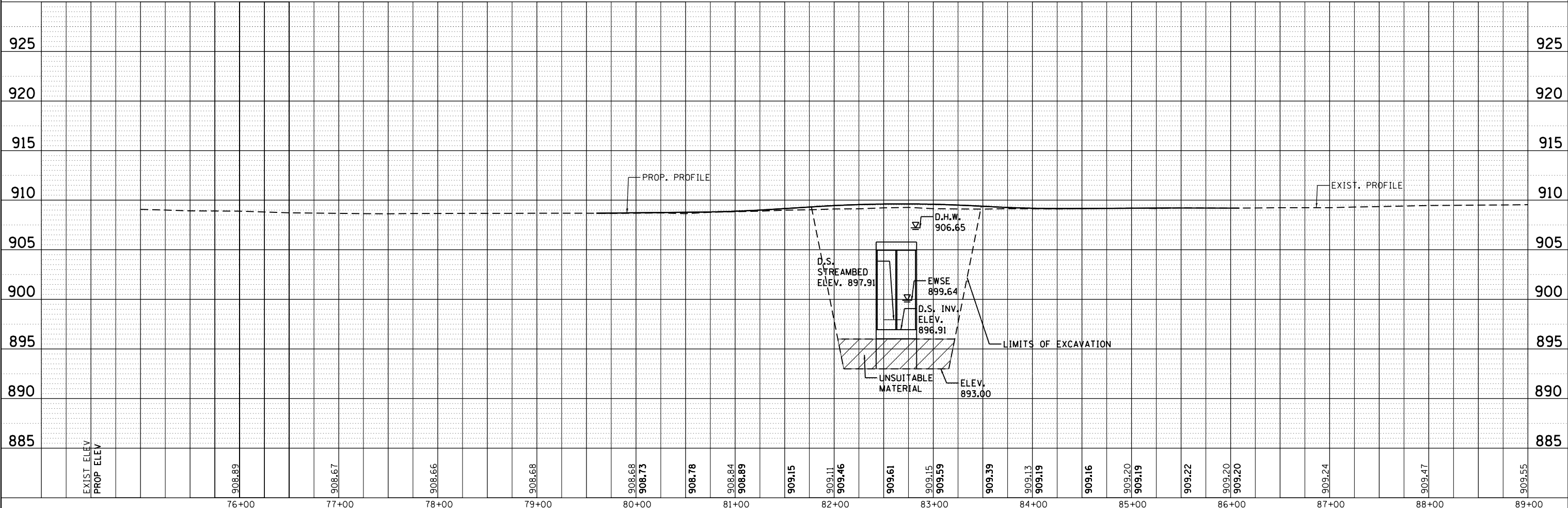
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOT AT THIS OFFICE	
NOTE BOOK NO.	CADD FILE NAME	

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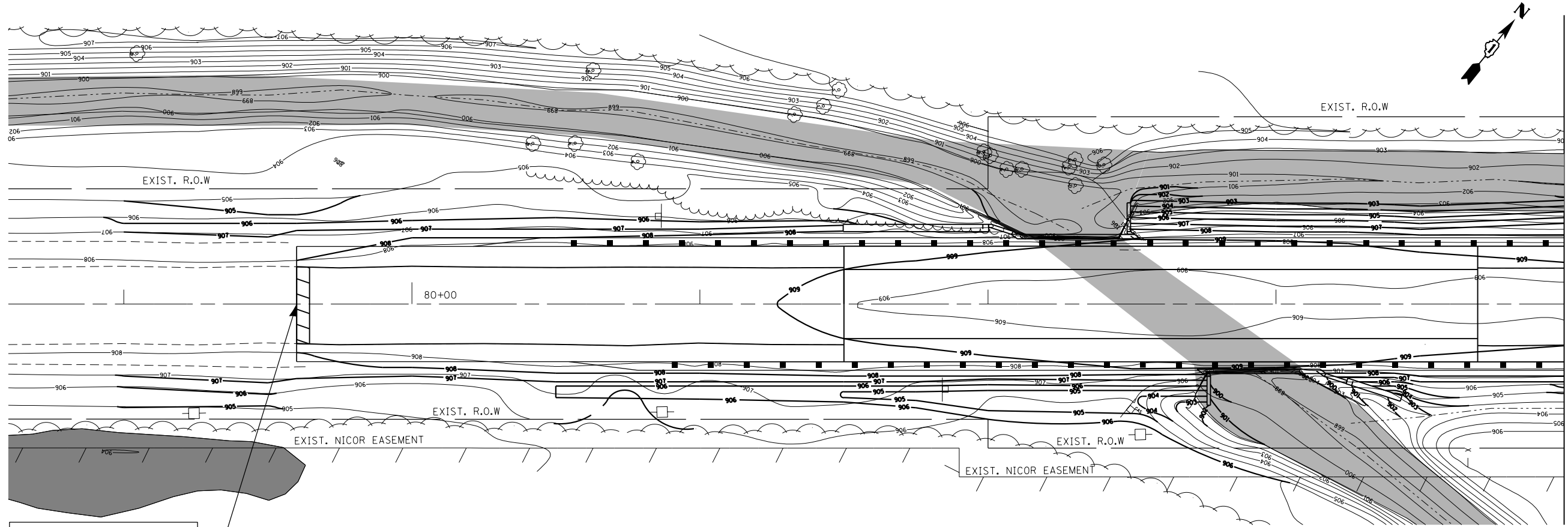


RIPRAP LAYOUT

	STATION	OFFSET
A	82+50	29' RT
B	82+50	40' RT
C	82+80	35' RT
D	83+00	49' RT



	USER NAME = johnn	DESIGNED - AB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN IL ROUTE 47		F.A.P. RTE. 326 SECTION 2015-040B COUNTY KANE TOTAL SHEETS 67 SHEET NO. 29 CONTRACT NO. 62A97
	PLOT SCALE = 100.0000' / 1"	CHECKED - TGM	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT	
PLOT DATE = 10/19/2016	DATE = 10/19/2016	REVISED -	REVISED -				

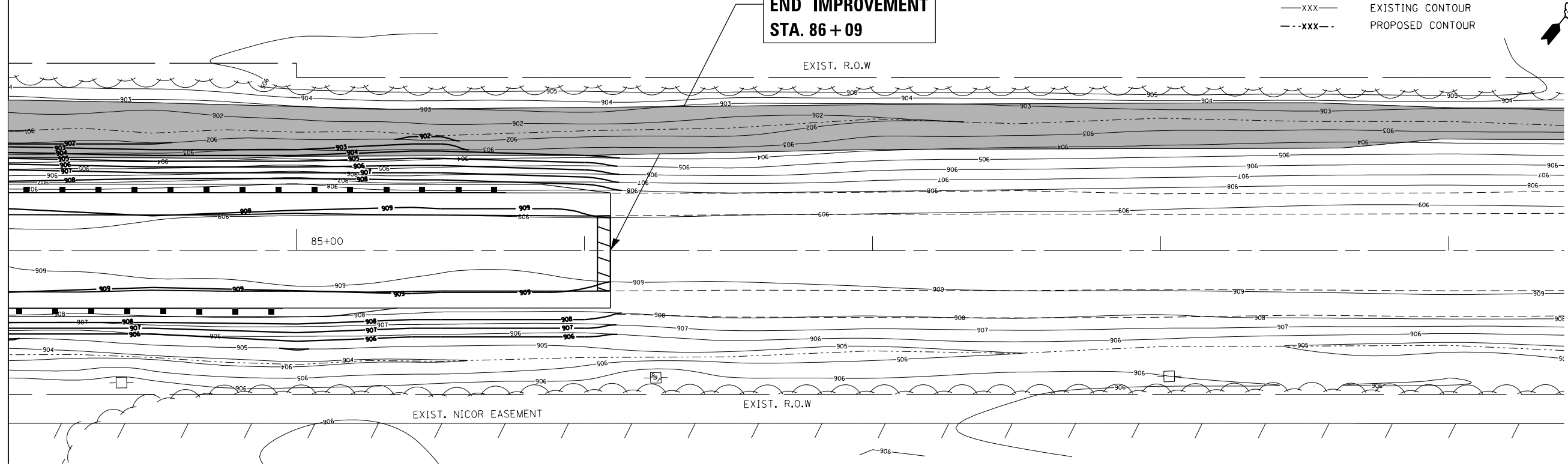


MATCH LINE STA. 84+00 SEE BELOW

**BEGIN IMPROVEMENT
STA. 79 + 60**

**END IMPROVEMENT
STA. 86 + 09**

LEGEND
 ---XXX--- EXISTING CONTOUR
 - - -XXX- - - PROPOSED CONTOUR



MATCH LINE STA. 84+00 SEE ABOVE

FILE NAME = Q:\Engineering\LiveProjects\13016 IDOT DURN\3016b-WO 2 Contract No. 62A97\CAADD\CADD Sheets\Civil\162A97-sht-Grading.dgn



USER NAME = johnn	DESIGNED - JN	REVISED -
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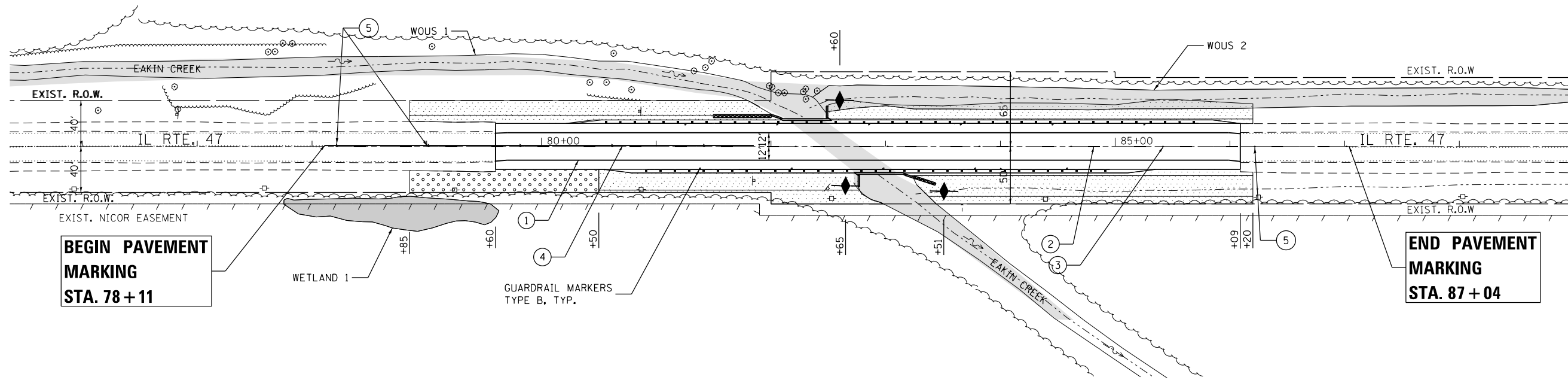
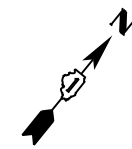
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GRADING PLAN
IL ROUTE 47**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	29A
CONTRACT NO. 62A97				

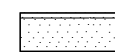
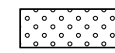

ILLINOIS FED. AID PROJECT



PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4"
(SOLID WHITE)
RT. & LT. STA. 79+60 TO RT. & LT. STA. 86+09
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4"
(YELLOW SKIP DASH, 10' LINE, 30' SPACE)
STA. 78+37 TO STA. 86+87
- ③ RAISED REFLECTIVE PAVEMENT MARKER
2 WAY AMBER (STA. 79+60 TO STA. 85+42)
1 WAY AMBER (LT. STA. 79+60 TO LT. STA. 81+85)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4"
(SOLID YELLOW)
LT. STA. 78+11 TO LT. STA. 81+85
- ⑤ REPLACEMENT REFLECTOR
2 WAY AMBER STA. 78+22 TO STA. 79+60
STA. 86+09 TO STA. 87+04
1 WAY AMBER STA. 78+22 TO STA. 79+60

LANDSCAPING LEGEND

-  SEEDING, CLASS 3 & CLASS 4B (MODIFIED)
W/EROSION CONTROL BLANKET
-  SEEDING, CLASS 3
W/EROSION CONTROL BLANKET
-  AGGREGATE DITCH CHECK

FILE NAME = Q:\Engineering\LiveProjects\13016 IDOT DUR\13016b-WO 2 Contract No. 62A97\CADD\CADD Sheets\Civil\13016b-WO 2 Contract No. 62A97-sht-PAVT MARK.dgn



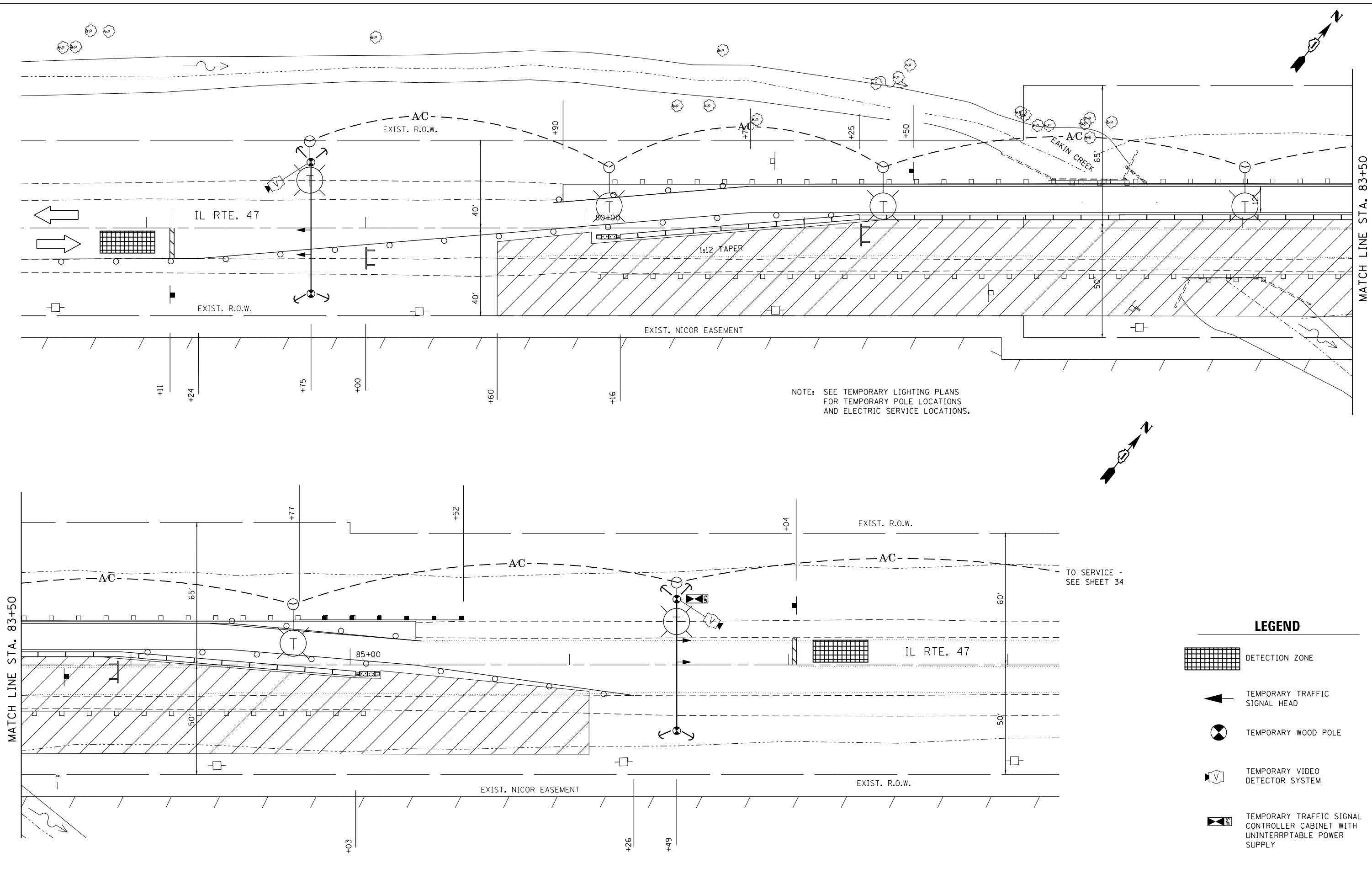
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DRAWN - CC	REVISIONS -	
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PLOT DATE = 10/19/2016	DATE - 10/19/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND LANDSCAPING PLAN			
IL ROUTE 47			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

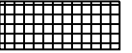




F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	30
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				

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NOTE: SEE TEMPORARY LIGHTING PLANS FOR TEMPORARY POLE LOCATIONS AND ELECTRIC SERVICE LOCATIONS.

LEGEND

-  DETECTION ZONE
-  TEMPORARY TRAFFIC SIGNAL HEAD
-  TEMPORARY WOOD POLE
-  TEMPORARY VIDEO DETECTOR SYSTEM
-  TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET WITH UNINTERRUPTIBLE POWER SUPPLY



USER NAME = johnn	DESIGNED - AB	REVISED -
	DRAWN - CC	REVISED -
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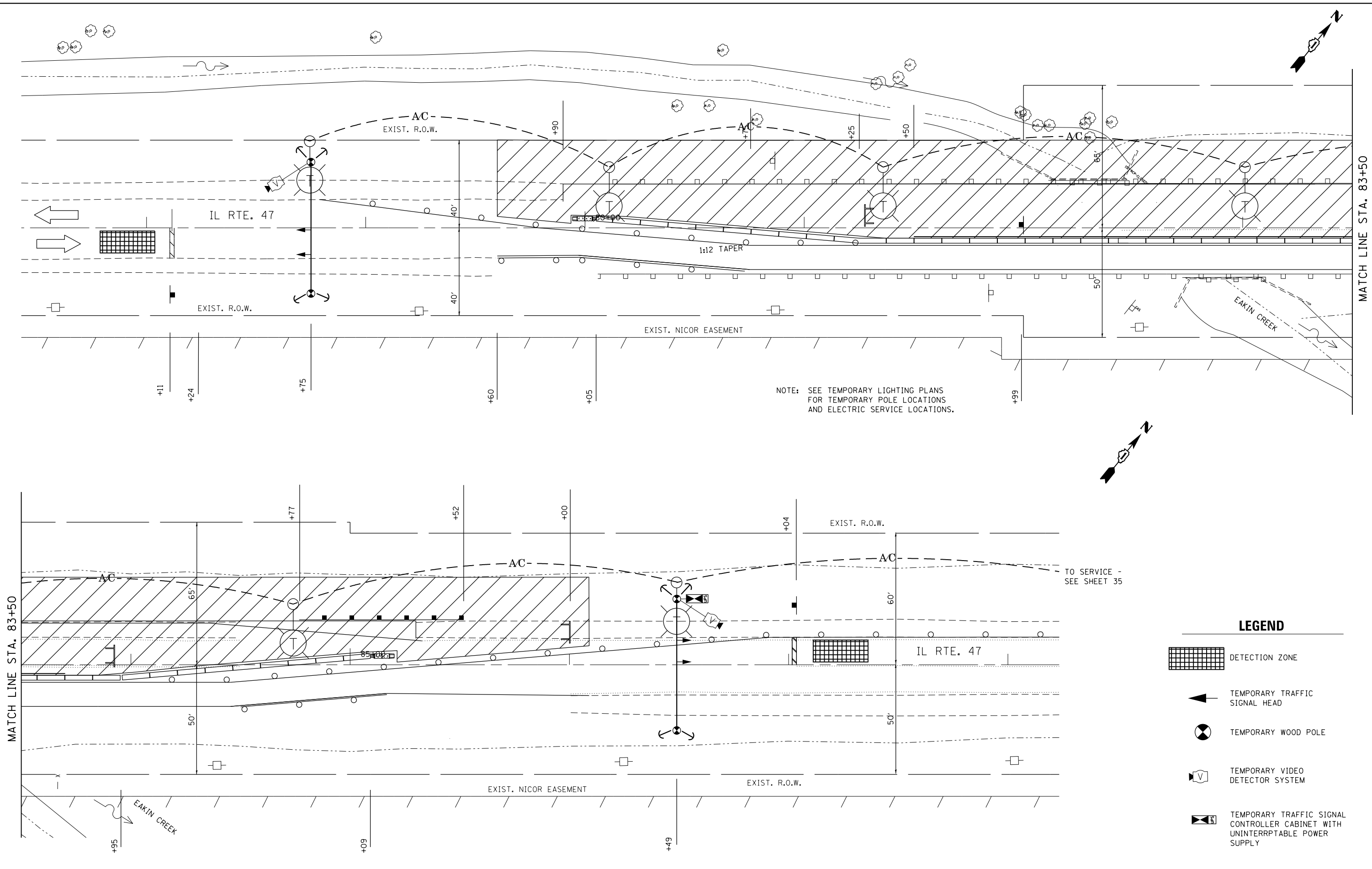
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL PLAN - STAGE I
IL ROUTE 47**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	31
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				

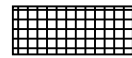




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NOTE: SEE TEMPORARY LIGHTING PLANS FOR TEMPORARY POLE LOCATIONS AND ELECTRIC SERVICE LOCATIONS.

TO SERVICE - SEE SHEET 35

LEGEND

-  DETECTION ZONE
-  TEMPORARY TRAFFIC SIGNAL HEAD
-  TEMPORARY WOOD POLE
-  TEMPORARY VIDEO DETECTOR SYSTEM
-  TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET WITH UNINTERRUPTABLE POWER SUPPLY

MATCH LINE STA. 83+50

MATCH LINE STA. 83+50



USER NAME = johnn	DESIGNED - AB	REVISED -
DRAWN - CC	REVISIONS -	
PLOT SCALE = 48.0000' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 10/19/2016	DATE - 10/19/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL PLAN - STAGE II
IL ROUTE 47**

SCALE: SHEET OF SHEETS STA. TO STA.

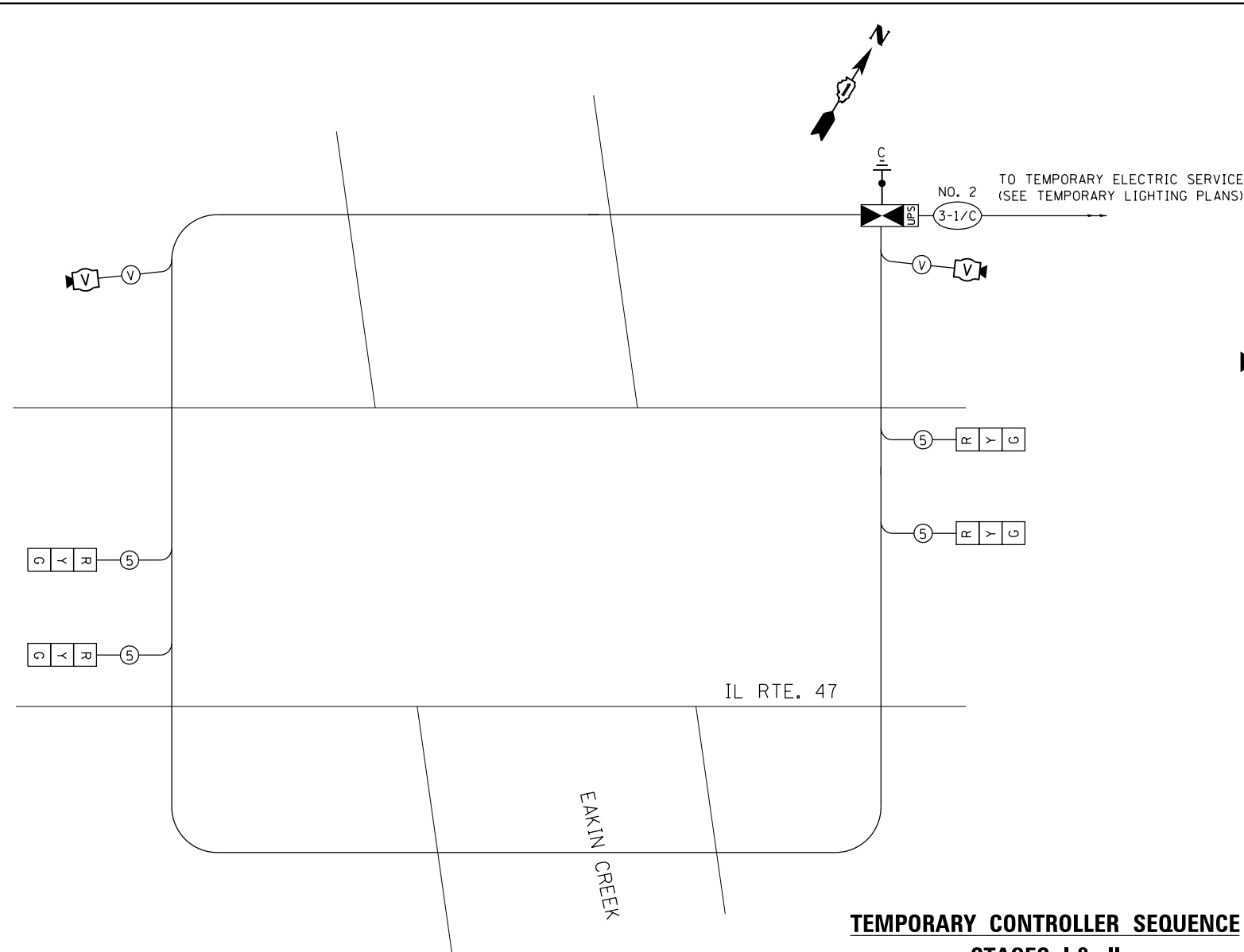
F.A.P. RTE. 326	SECTION 2015-040B	COUNTY KANE	TOTAL SHEETS 67	SHEET NO. 32
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300MM) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT EXISTING TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
5. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.

LEGEND

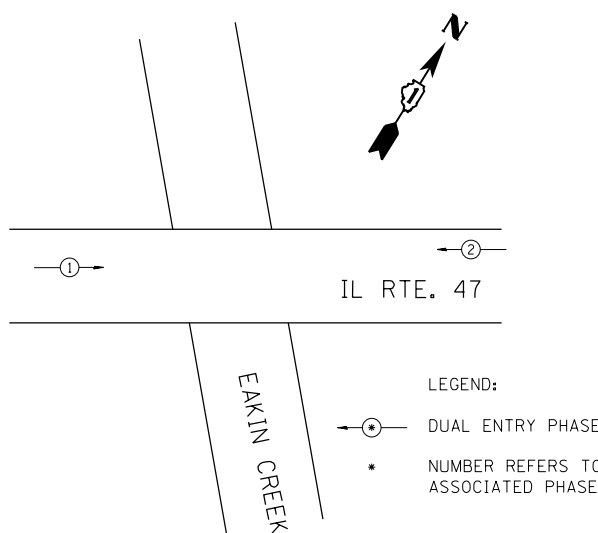
- TEMPORARY VIDEO DETECTOR
- VENDOR CABLE FOR CAMERA
- INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS SHALL BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED
- TEMPORARY TRAFFIC SIGNAL SECTION, 12"



TEMPORARY CABLE PLAN - STAGES I & II

NOT TO SCALE

TEMPORARY CONTROLLER SEQUENCE STAGES I & II



PHASE DESIGNATION DIAGRAM

SCHEDULE OF QUANTITIES

ITEM	UNIT	QTY.
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS -STAGE I & II					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND	WATTAGE LED	% OPERATION	
SIGNAL (RED)	4	17	0.50		34
(YELLOW)	4	25	0.25		25
(GREEN)	4	15	0.25		15
ARROW	-	12	0.10		0
PED. SIGNAL	-	25	1.00		0
CONTROLLER	1	100	1.00		100
VIDEO SYSTEM	1	150	1.00		150
TOTAL =					324

ENERGY COST TO:

ENERGY SUPPLY: CONTACT: LEONARD ANDERSON
PHONE: 708-235-2346
COMPANY: COMMONWEALTH EDISON

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE PART OF THE PERMANENT PROJECT LANDSCAPE RESTORATION.

FILE NAME = Q:\Engineering\LiveProjects\13016 IDOT DURN\3016b-WO 2 Contract No. 62497\CADD\CADD Sheets\Civil\162497-sht-TempTrf-siglo-stage-1&2.dgn



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PLOT DATE = 11/4/2016	DATE - 11/4/2016	REVISED -

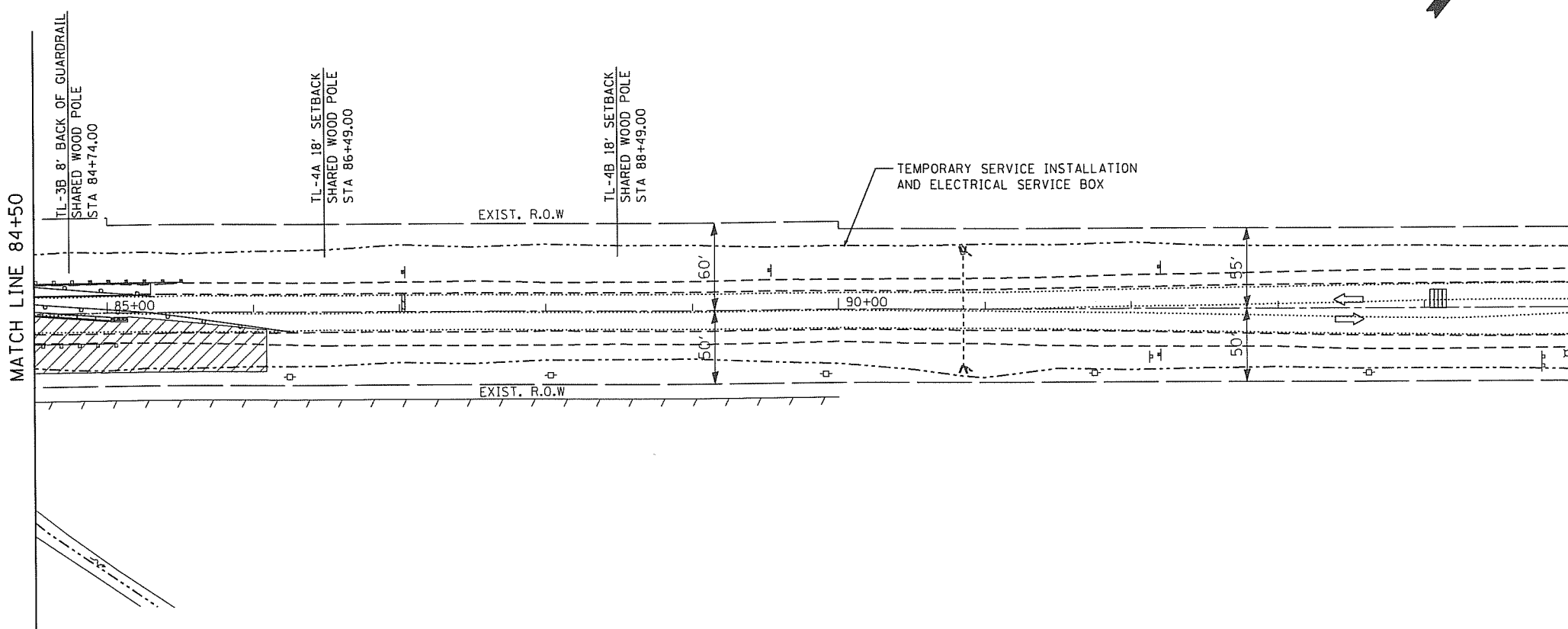
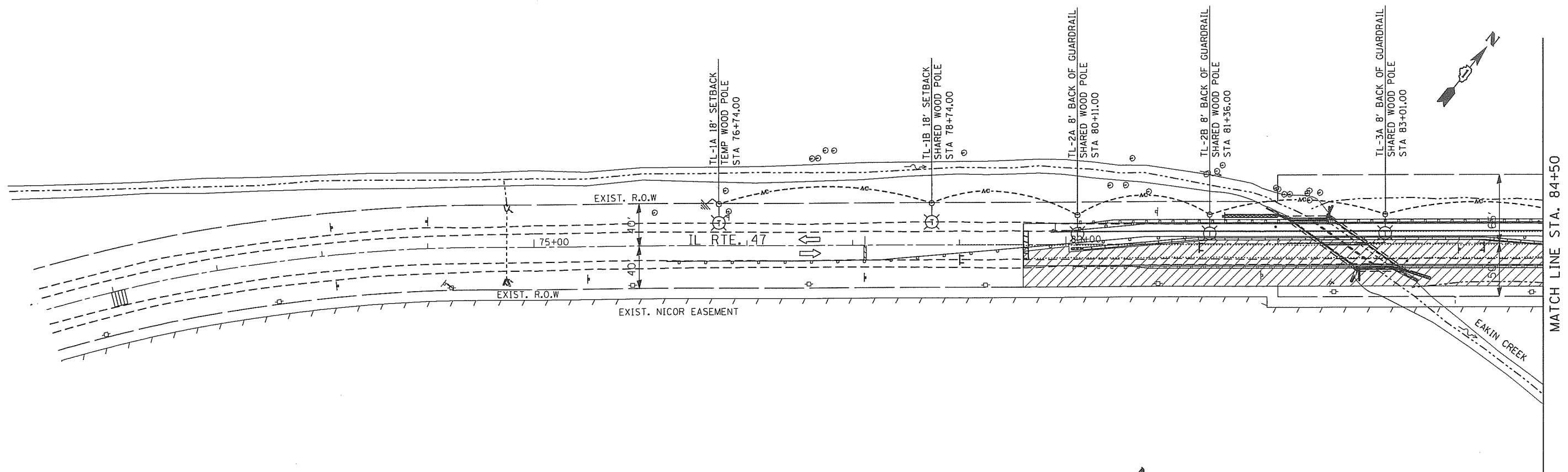
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CABLE PLAN AND PHASE DESIGNATION DIAGRAM
IL ROUTE 47**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	33
CONTRACT NO. 60K73				
ILLINOIS FED. AID PROJECT				

FILE NAME = D:\Engineering\LiveProjects\3016 IDOT DUR\3016-2 Contract No. 62A97\CADD\CADD Sheets\Civil\0162A97-sh1-TEMP LIGHTING Stage 1 sheet 2.dgn



TEMPORARY LIGHTING PLAN LEGEND

- 400W, 120V, MCIII HPS. WITH PHOTO CELL 15' MA, 50' MH ON WOOD POLE, CLASS 4
- 3-1/2" x 2, AERIAL CABLE WITH MESSENGER WIRE UNLESS OTHERWISE NOTED
- TL-1A
 TEMPORARY LIGHTING UNIT NUMBER - ONE CIRCUIT A
 GROUND ROD 5/8" DIA. x 10'
- COMBINATION LIGHTING AND TRAFFIC POLE MOUNTED ELECTRICAL SERVICE BOX
- TEMPORARY WOOD POLE - NOMINAL 60 FT., CLASS 4



USER NAME = John	DESIGNED - F EPERT	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - T SMITH	REVISED -
PLOT DATE = 10/19/2016	CHECKED - J LUER	REVISED -
	DATE - 10/19/2016	REVISED -

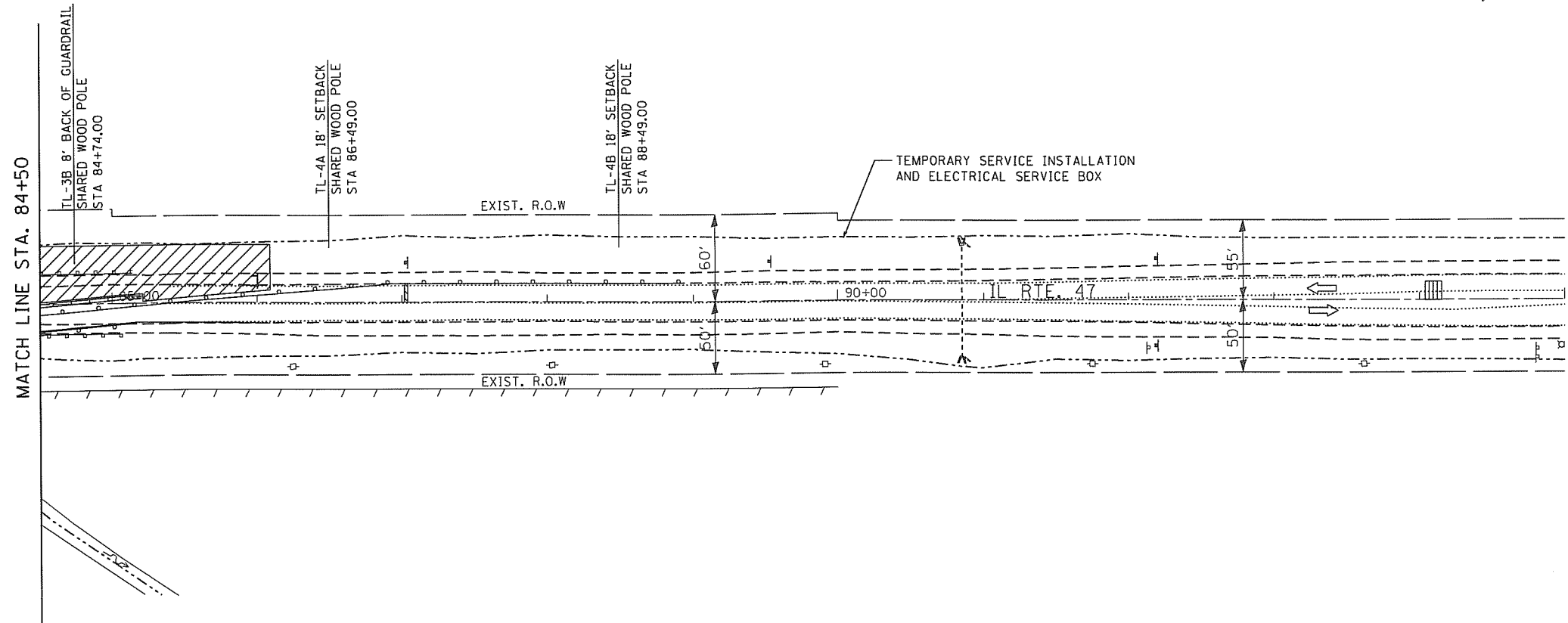
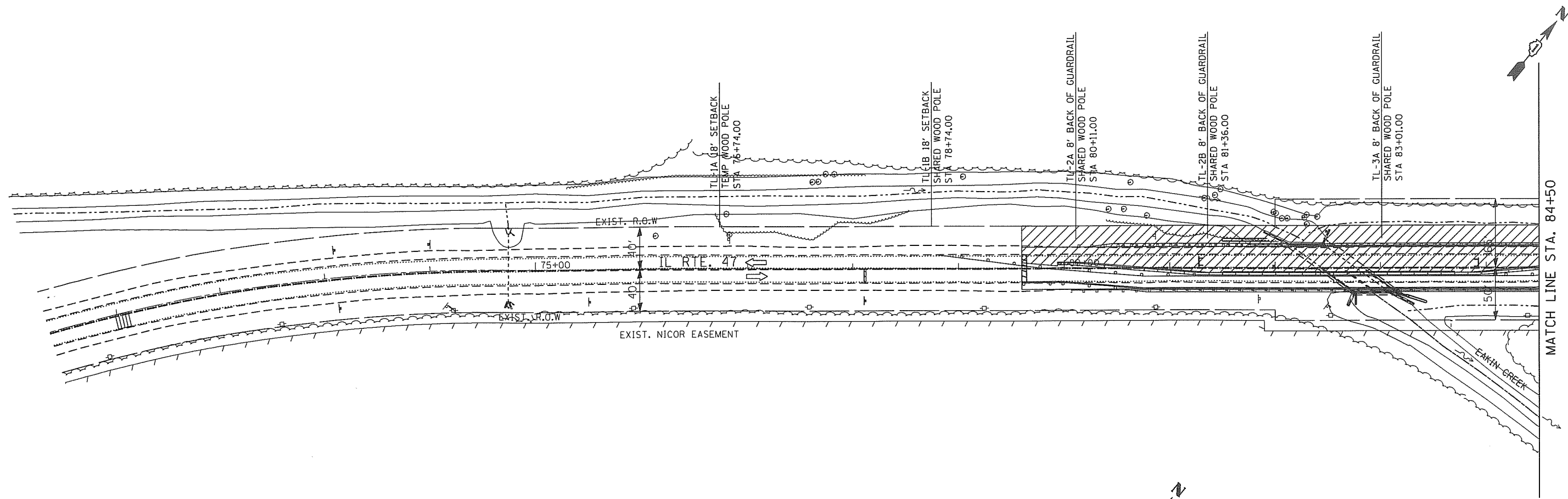
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MOT TEMPORARY LIGHTING STAGE I
IL ROUTE 47**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-0408	KANE	67	34
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				

FILE NAME = G:\Engineering\LiveProjects\2016 IDOT DUR\130165-WO 2 Contract No. 62A97-CADD\CADD Sheets\Civil\0162497-jkt-TEMP LIGHTING Stage 2 sheet 2.dgn



TEMPORARY LIGHTING AND TRAFFIC SIGNAL PLAN LEGEND

- 400W, 120V, MCIII HPS. WITH PHOTO CELL 15' MA, 50' MH ON WOOD POLE, CLASS 4
- 3-1/2" C*2, AERIAL CABLE WITH MESSENGER WIRE UNLESS OTHERWISE NOTED
- TL-1A TEMPORARY LIGHTING UNIT NUMBER - ONE CIRCUIT A
- GROUND ROD 5/8" DIA. x 10'
- COMBINATION LIGHTING AND TRAFFIC POLE MOUNTED ELECTRICAL SERVICE BOX
- TEMPORARY WOOD POLE - NOMINAL 60 FT., CLASS 4



USER NAME = john	DESIGNED - F EPERT	REVISED -
	DRAWN - T SMITH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - J LUER	REVISED -
PLOT DATE = 10/19/2016	DATE - 10/19/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MOT TEMPORARY LIGHTING STAGE II
IL ROUTE 47

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

F.A.P. RTE. 326	SECTION 2015-0408	COUNTY KANE	TOTAL SHEETS 67	SHEET NO. 35
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				

TOTAL BILL OF MATERIAL

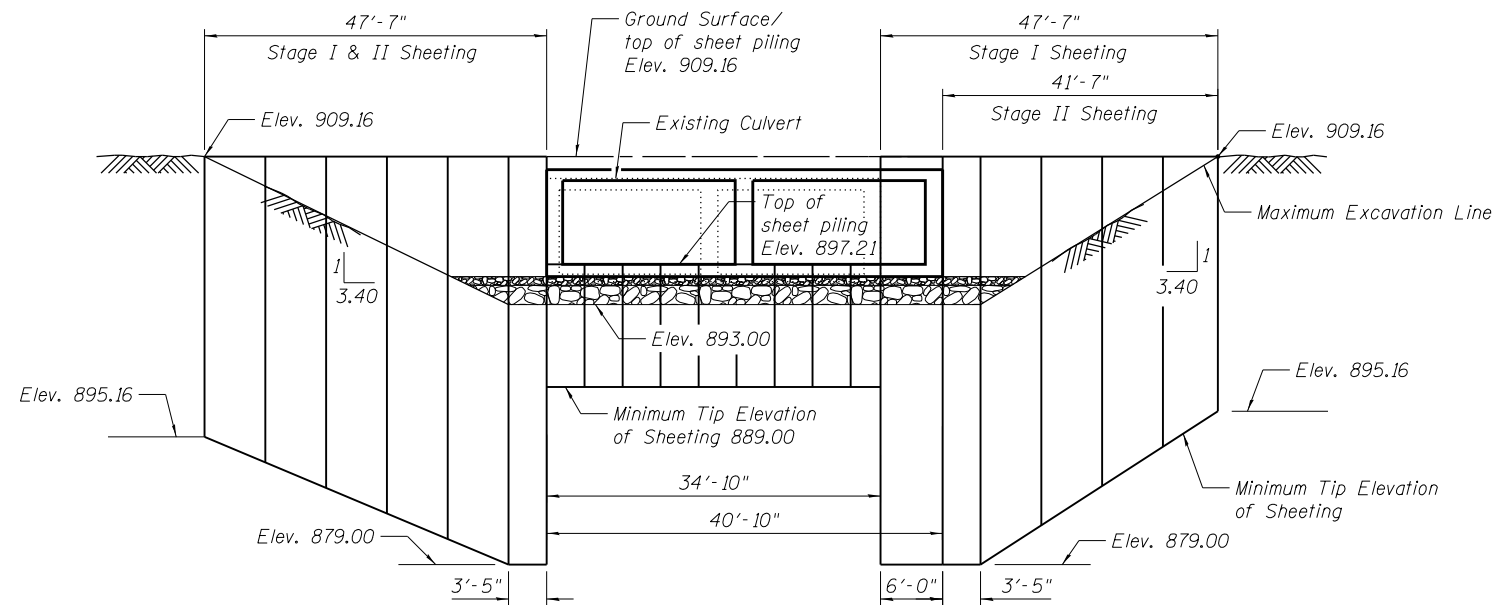
ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq. Yd.	115
Filter Fabric	Sq. Yd.	115
Removal of Existing Structures	Each	1
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	270
Concrete Structures	Cu. Yd.	16.2
Reinforcement Bars, Epoxy Coated	Pound	105,940
Bar Splicers	Each	127
Name Plates	Each	1
Temporary Sheet Piling	Sq. Ft.	2,491
Permanent Sheet Piling	Sq. Ft.	2,329
Concrete Box Culverts	Cu. Yd.	263.5
Concrete Sealer	Sq. Ft.	823
Steel Plate Beam Guardrail, Attached to Structures (Special)	Foot	100
Rock Fill	Cu. Yd.	271
Temporary Support System	L. Sum	1
Membrane Waterproofing for Buried Structures	Sq. Yd.	256

INDEX OF SHEETS

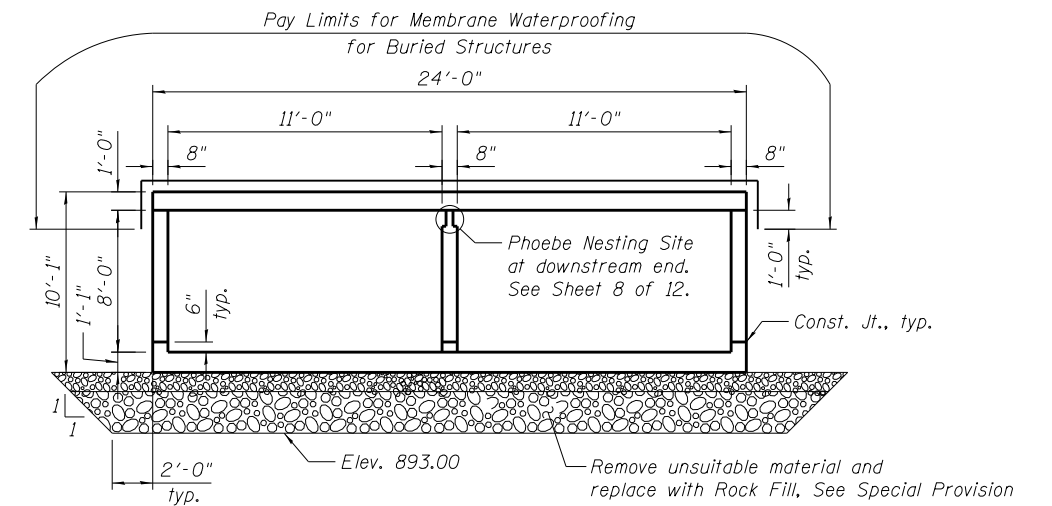
- General Plan
- General Notes, Index of Sheets and Total Bill of Materials
- Stage Construction Details
- Temporary Concrete Barrier For Stage Construction
- Temporary Support Details
- Culvert Plan
- Wingwall Details
- Culvert Section and Details
- Bar Splicer Assembly And Mechanical Splicer Details
- Boring Logs
- Existing Structure (For Information Only)
- Existing Structure (For Information Only)

GENERAL NOTES

- Reinforcement bars designated (E) shall be epoxy coated.
- Concrete Sealer shall be applied to the designated areas of the horizontal wingwall and top and outside face of the concrete cap.
- Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.
- The Rock Fill shall be capped with 6 in. of CA7 and satisfy Standard Specifications unless noted otherwise indicated in the Special Provisions. The cost of the capping material shall be included in the cost of Rock Fill.



**TEMPORARY SHEET PILING DETAIL -
IL RTE. 47 @ STAGE CONSTRUCTION LINE**
Minimum Section Modulus = 27.4 in³/ft



SECTION THRU BARREL
(At Right L's to â Culvert)

FILE NAME = Q:\Engineering\LiveProjects\13016 IDOT DUR\13016b-WO 2 Contract No. 62A97\CAADD\CADD Sheets\Structure\045-0336-62A97-02-GENERAL NOTES, INDEX OF SHEETS.dgn



USER NAME = johnn	DESIGNED - SAT	REVISED
	CHECKED - JMT	REVISED
PLOT SCALE = 5/4" = 1' / in.	DRAWN - JN	REVISED
PLOT DATE = 10/19/2016	CHECKED - JMT	REVISED

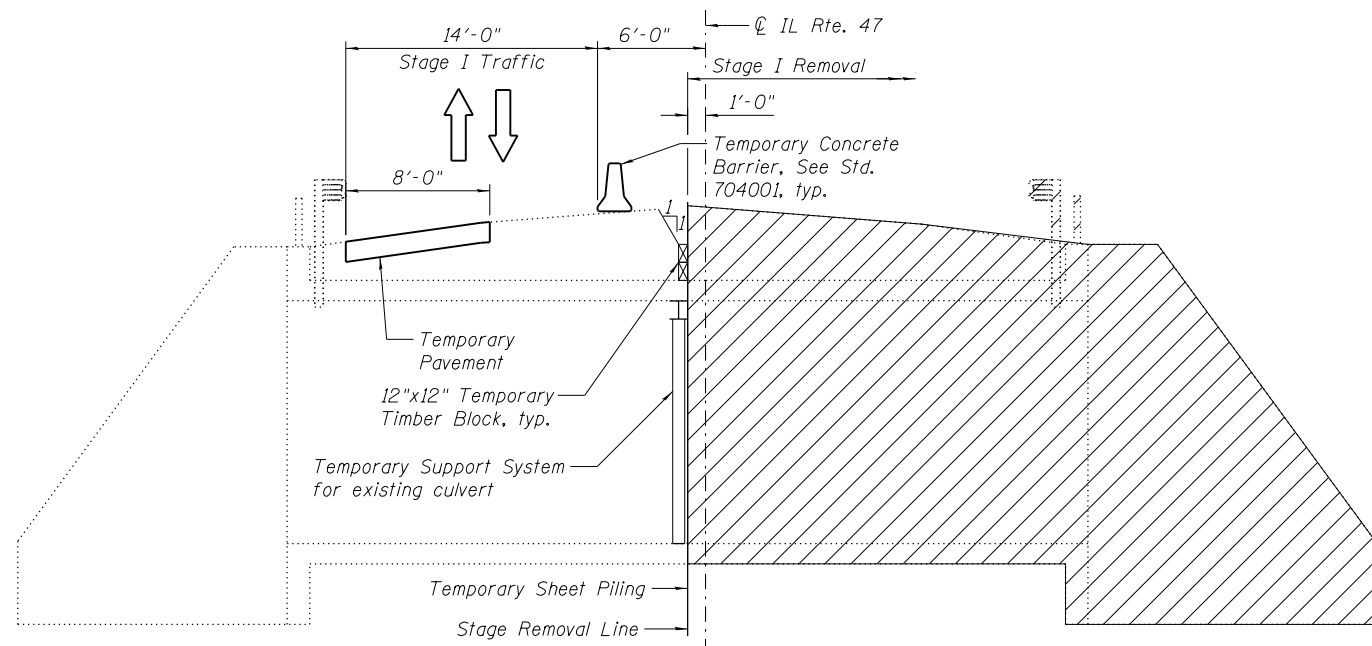
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES, INDEX OF SHEETS AND TOTAL BILL OF MATERIAL
STRUCTURE NO. 045-0336
SHEET NO. 2 OF 12 SHEETS

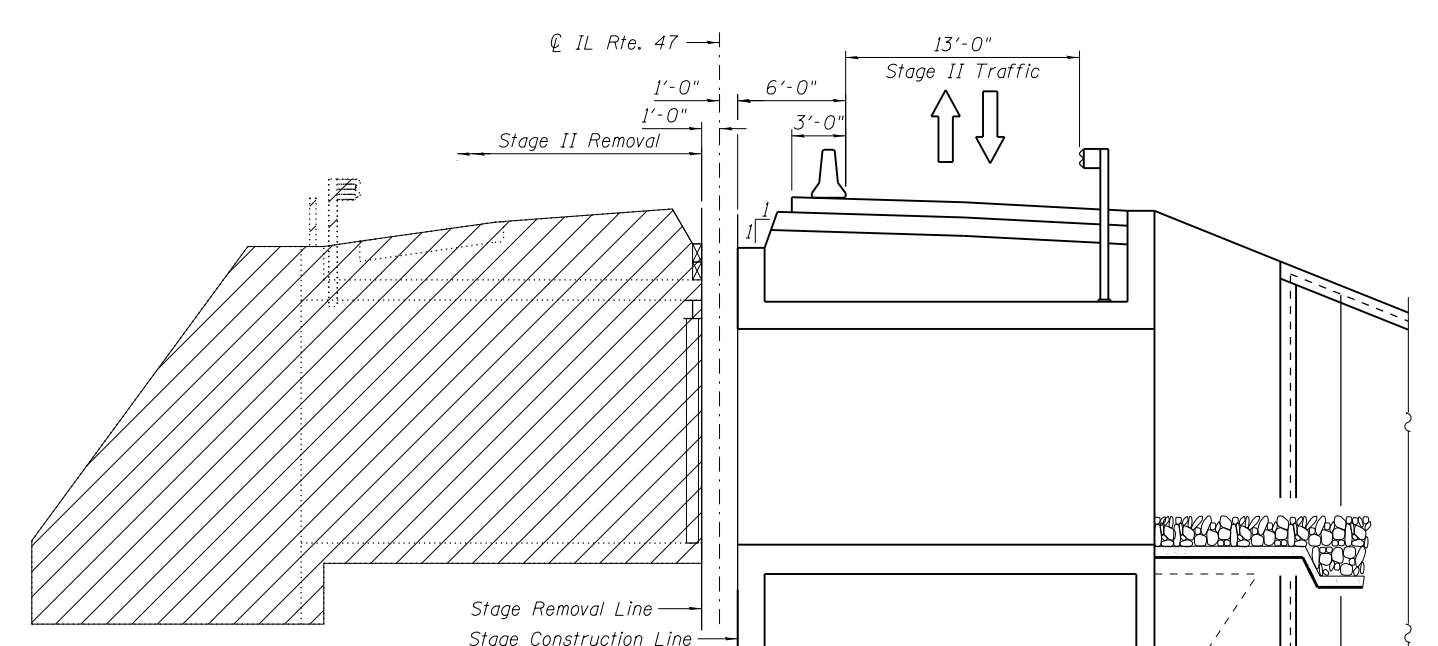
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	37
CONTRACT NO. 62A97				

ILLINOIS FED. AID PROJECT

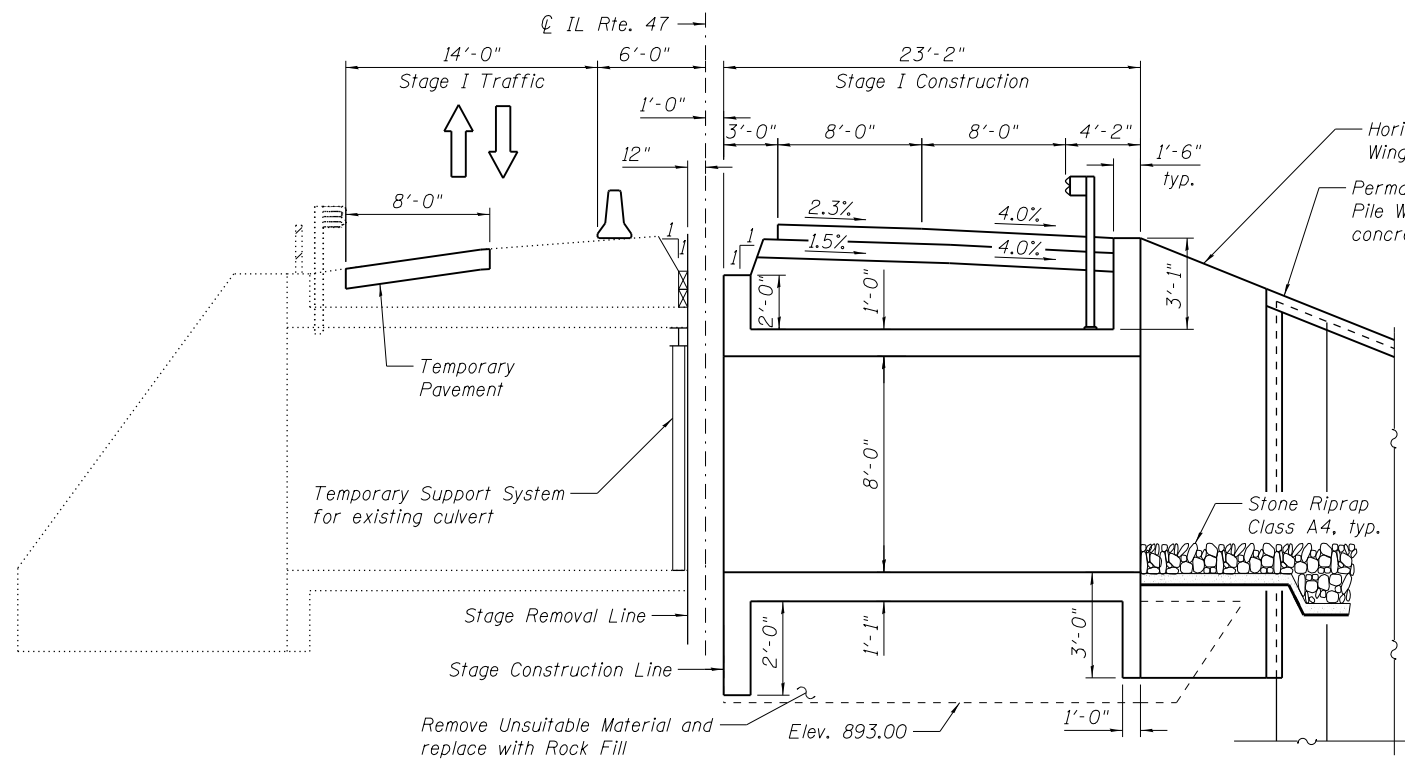
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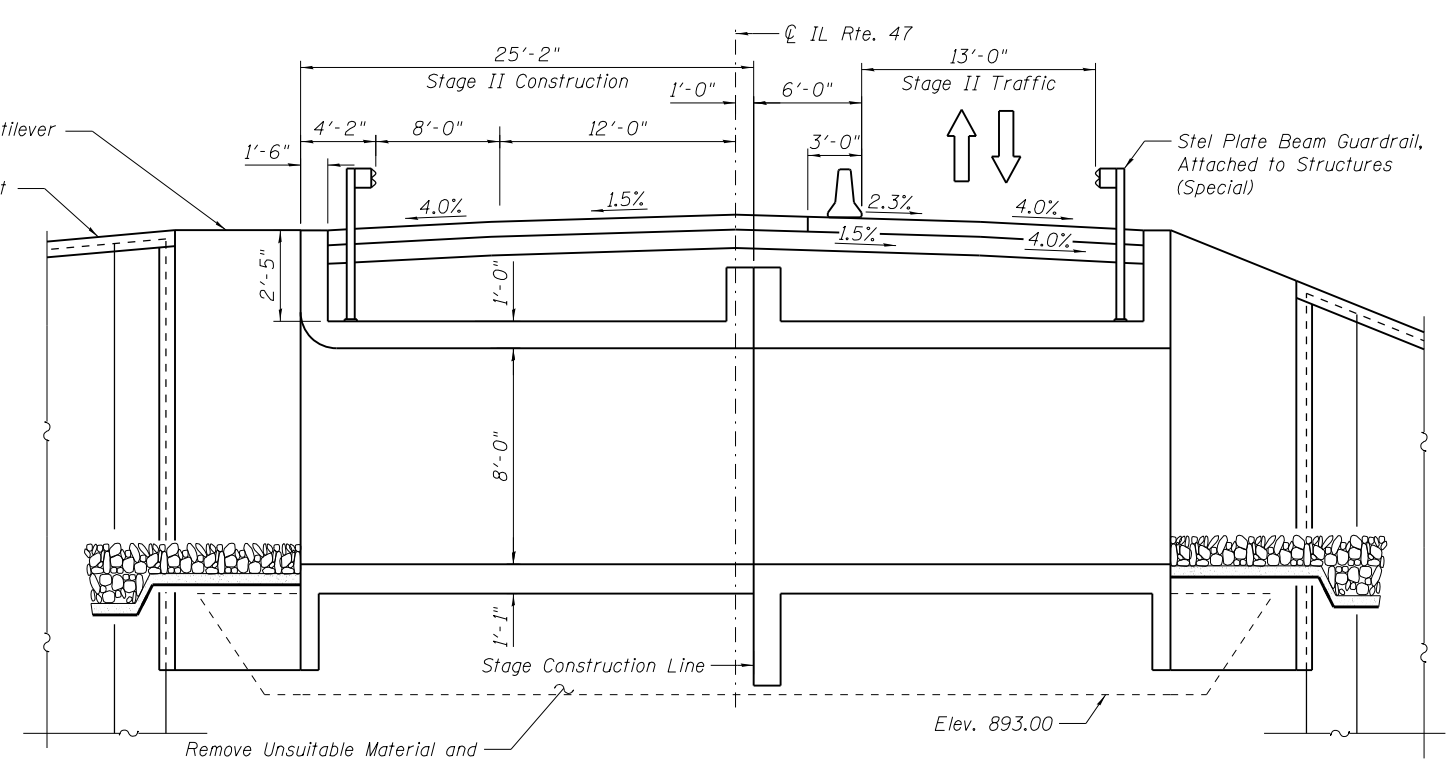
STAGE I REMOVAL



STAGE II REMOVAL



STAGE I CONSTRUCTION



STAGE II CONSTRUCTION

LEGEND

Removal of existing structure and roadway

NOTES:

1. All dimensions are measured perpendicular to the roadway.
2. All sections are looking North.
3. One lane of traffic will be maintained during each stage utilizing temporary traffic signals.
4. Removal of Temporary Support System included in Removal of Existing Structures.
5. For details of Temporary Concrete Barrier, see Sheet 4 of 12.
6. For Temporary Concrete Barrier Quantity, see roadway plans.
7. For Temporary Support System details, see Sheet 5 of 12.
8. The final roadway cross slope on the east side of the road will be 1.5%. The interim cross slope for the top of the HMA Base Course will be 2.3%. See Roadway MOT Typical Sections for additional details.



USER NAME = johnn	DESIGNED - SAT	REVISED
CHECKED - JMT	CHECKED - JMT	REVISED
PLOT SCALE = 1/8" = 1' / in.	DRAWN - JN	REVISED
PLOT DATE = 10/19/2016	CHECKED - JMT	REVISED

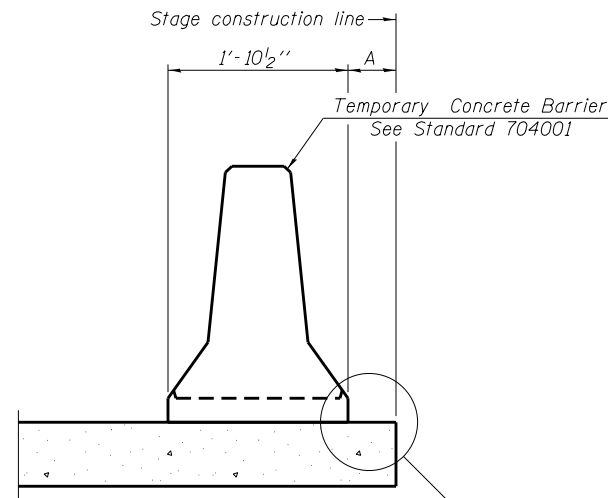
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION & TEMPORARY SHEET PILING
STRUCTURE NO. 045-0336**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	38
CONTRACT NO. 62A97				

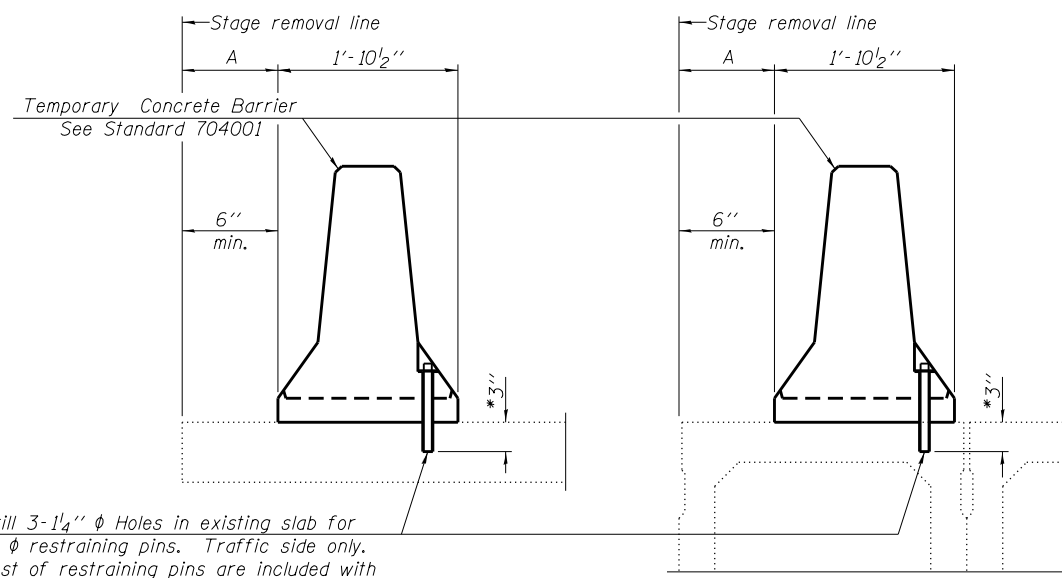
SHEET NO. 3 OF 12 SHEETS

ILLINOIS FED. AID PROJECT



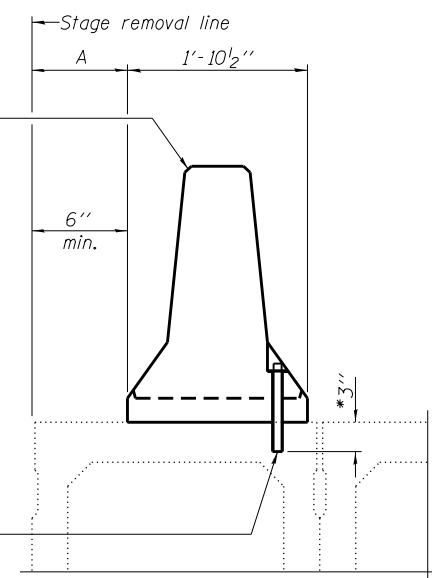
When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM



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

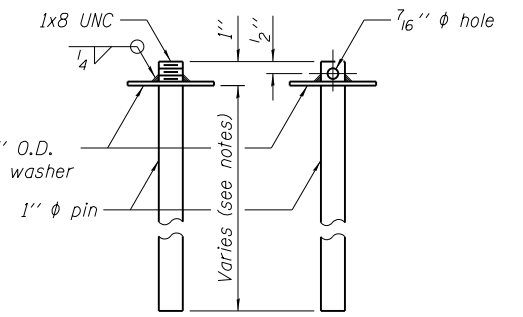
EXISTING SLAB



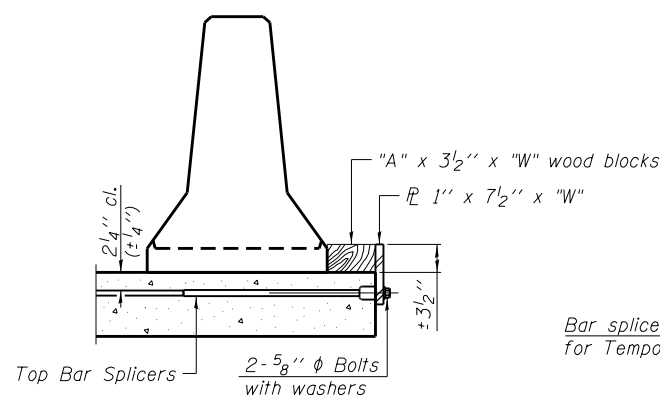
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

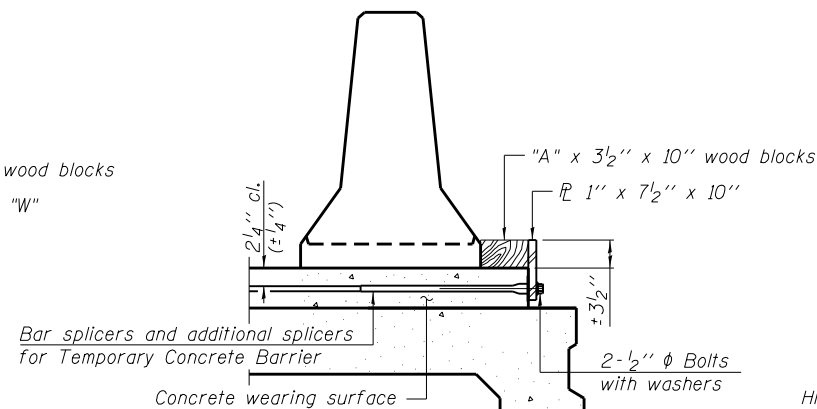
SECTIONS THRU SLAB OR DECK BEAM



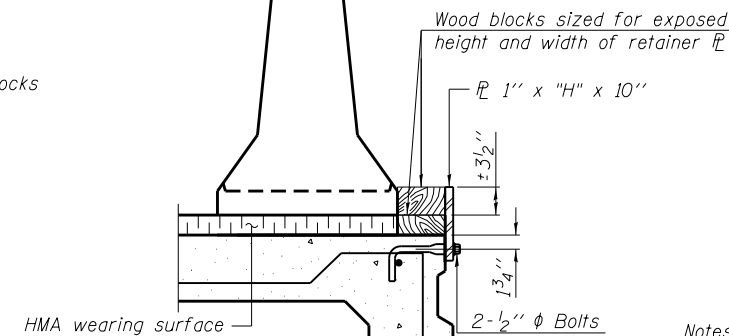
RESTRAINING PIN



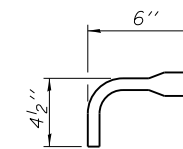
DETAIL I



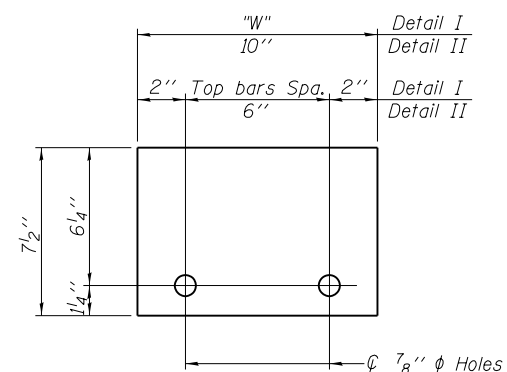
DETAIL II



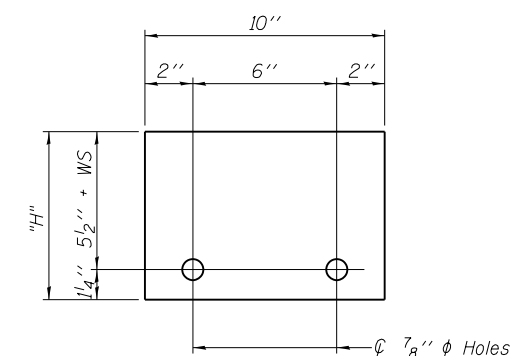
DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III



STEEL RETAINER 1" x 7 1/2" x "W"
(Detail I and II)



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

Notes:

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

Detail I - Installation for a new bridge deck or bridge slab.

Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.

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

R-27

07-22-16



USER NAME = johnn	DESIGNED - SAT	REVISED
PLOT SCALE = 0.2" = 1' min.	CHECKED - JMT	REVISED
PLOT DATE = 10/19/2016	DRAWN - JN	REVISED
	CHECKED - JMT	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

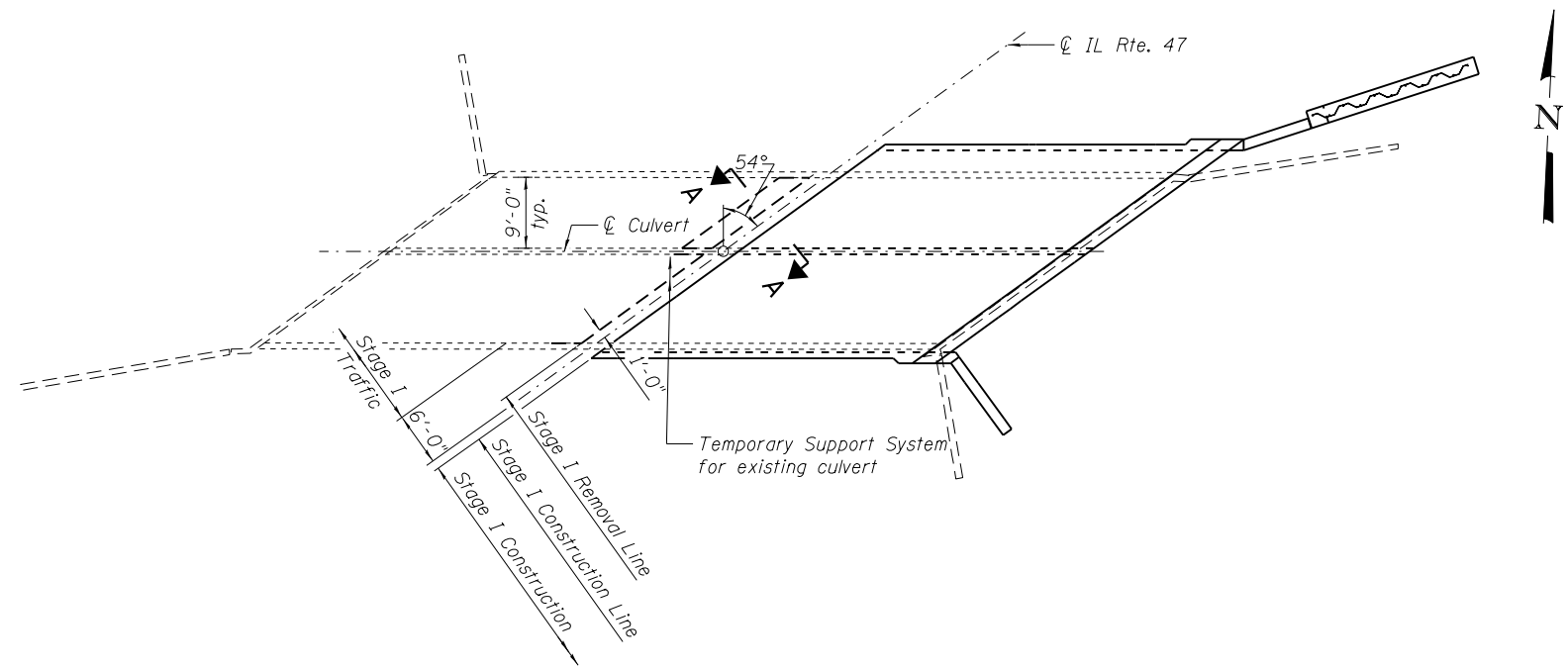
**TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 045-0336**

SHEET NO. 4 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	39
CONTRACT NO. 62A97				

ILLINOIS FED. AID PROJECT

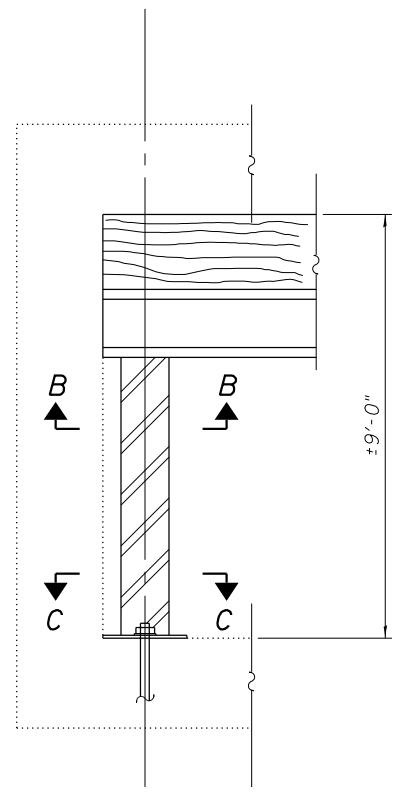
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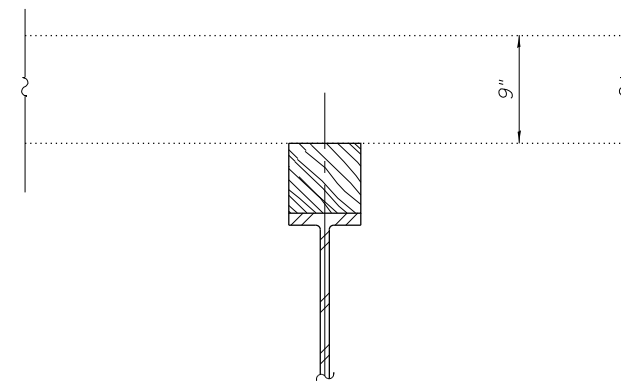
GENERAL NOTES

The Contractor shall submit a Temporary Support System design. See special provision for Temporary Support System.

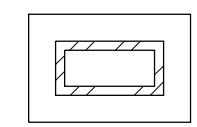
PLAN



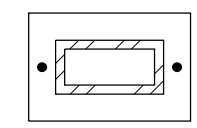
SECTION AT CULVERT WALLS



SECTION A-A



SECTION B-B



SECTION C-C

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Temporary Support System	L. Sum	1

FILE NAME = Q:\Engineering\LiveProjects\13016 IDOT DUR\13016b-WO 2 Contract No. 62A97\CADD\CADD Sheets Structural\045-0336-62A97-05-Temp. Shoring.dgn



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	CHECKED - JMT	REVISED
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PLOT DATE = 10/19/2016	CHECKED - JMT	REVISED

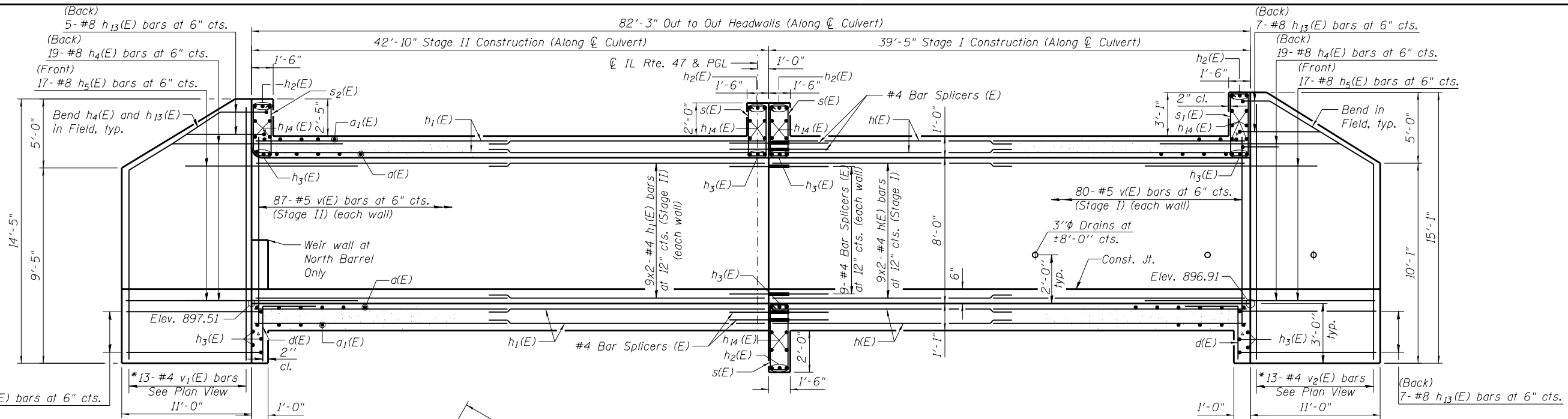
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY SUPPORT SYSTEM
STRUCTURE NO. 045-0336**

SHEET NO. 5 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	40
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				

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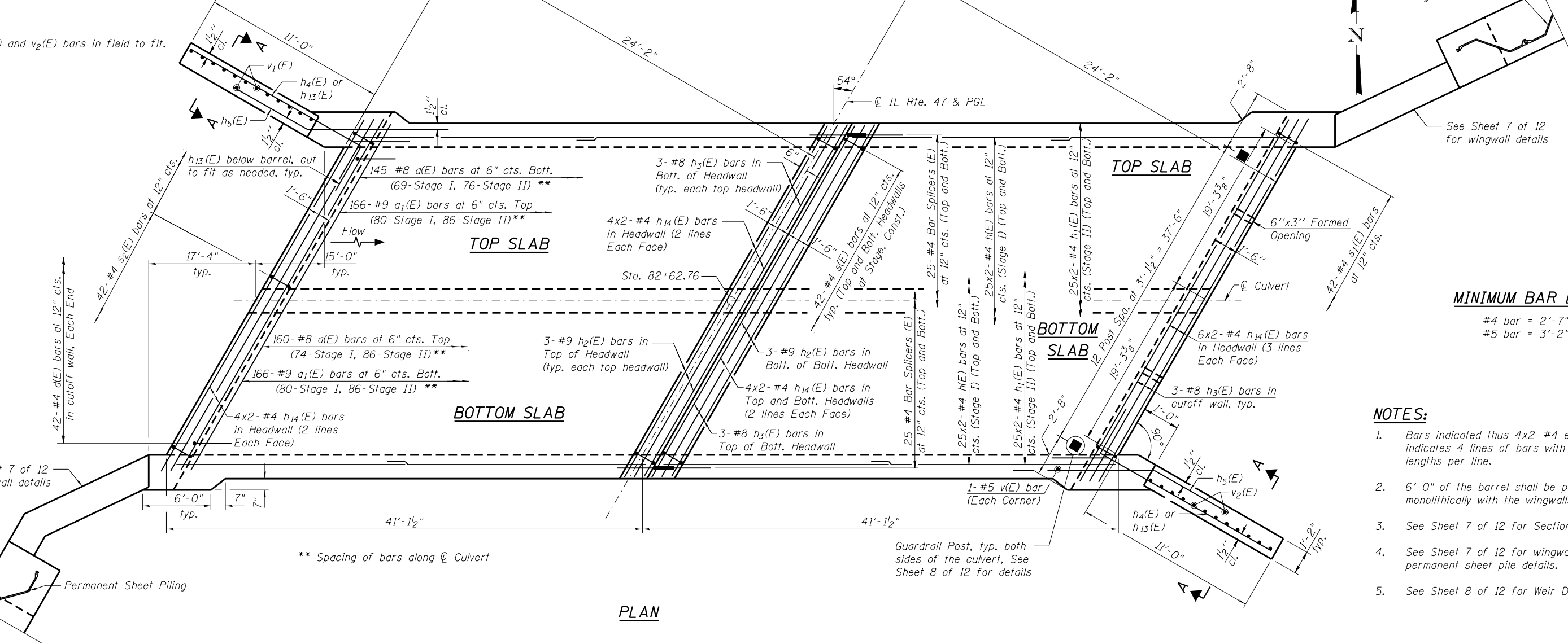


NW WINGWALL

LONGITUDINAL SECTION

SE WINGWALL

* Cut v1(E) and v2(E) bars in field to fit.



TOP SLAB

BOTTOM SLAB

TOP SLAB

BOTTOM SLAB

PLAN

MINIMUM BAR LAP

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

NOTES:

1. Bars indicated thus 4x2-#4 etc. indicates 4 lines of bars with 2 lengths per line.
2. 6'-0" of the barrel shall be poured monolithically with the wingwalls.
3. See Sheet 7 of 12 for Section A-A.
4. See Sheet 7 of 12 for wingwall and permanent sheet pile details.
5. See Sheet 8 of 12 for Weir Details.



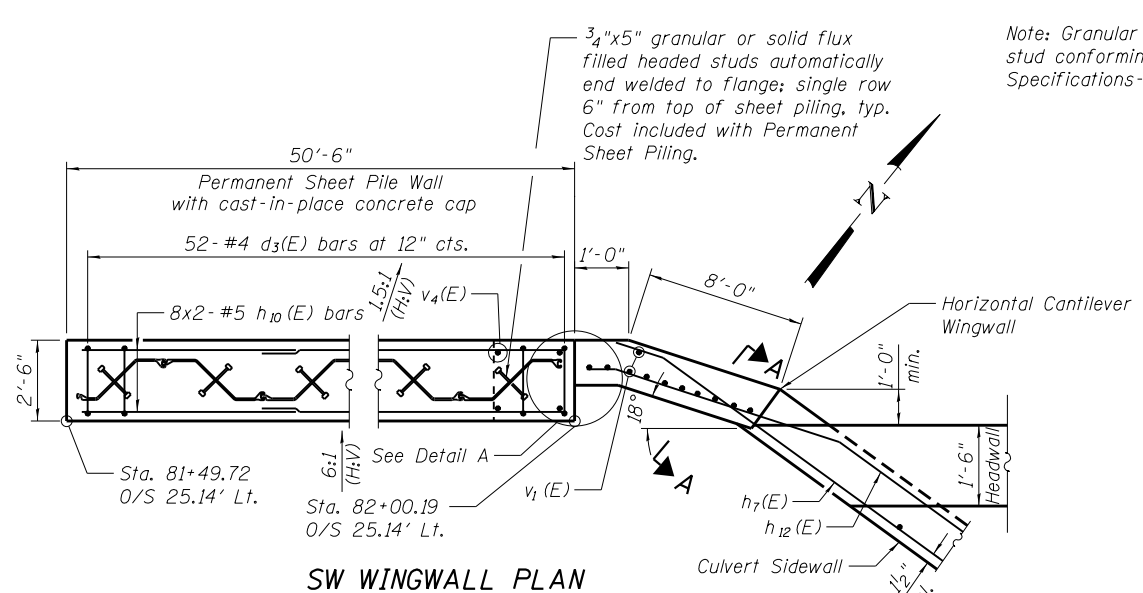
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CHECKED - JMT	CHECKED - JMT	REVISD
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PLOT DATE = 10/19/2016	CHECKED - JMT	REVISD

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

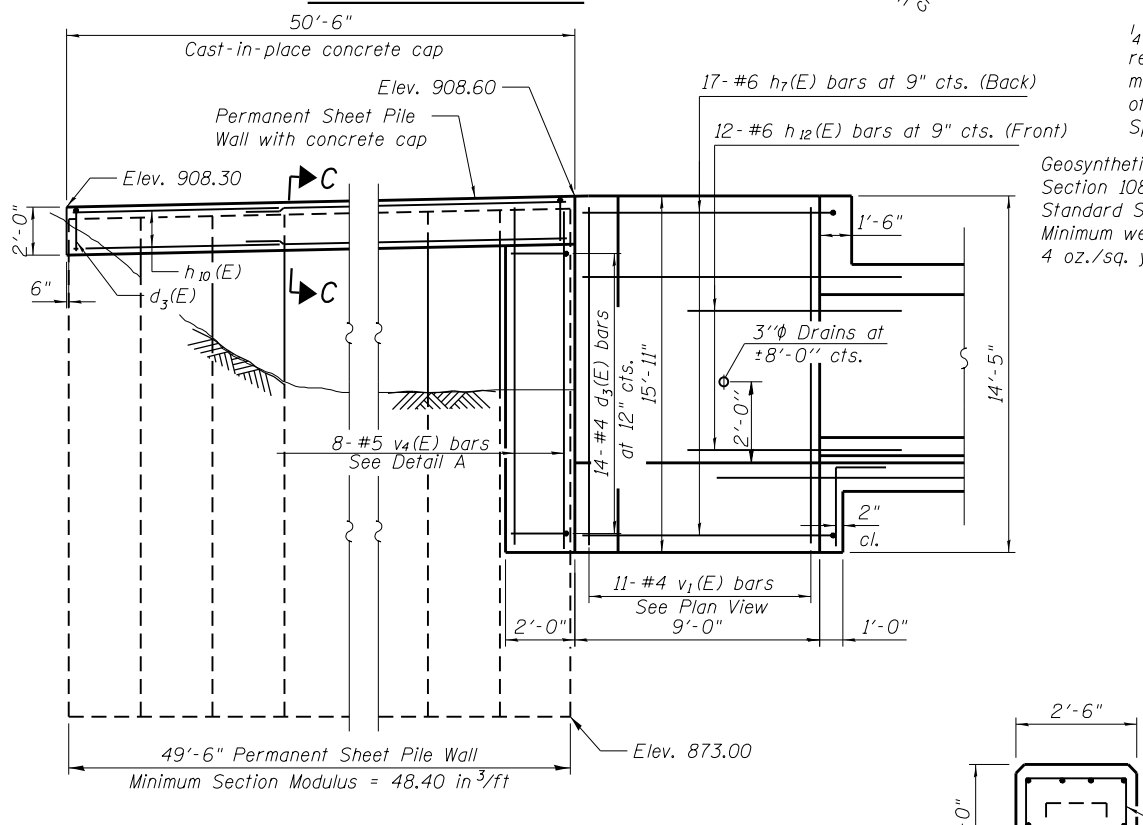
CULVERT PLAN
STRUCTURE NO. 045-0336
SHEET NO. 6 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	41
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				

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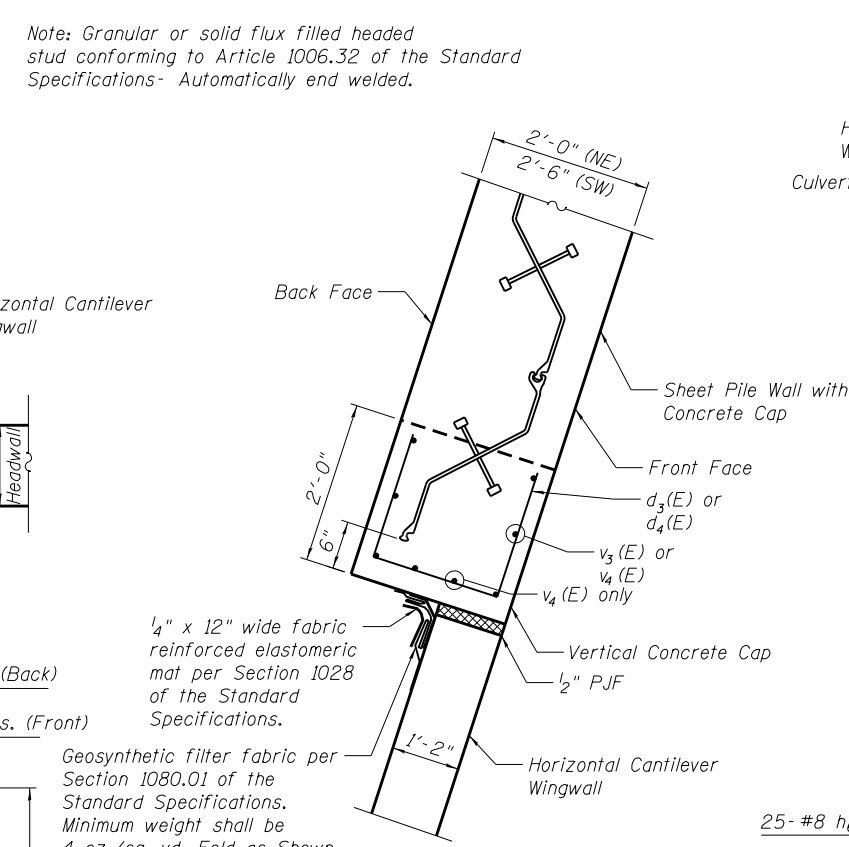


SW WINGWALL PLAN



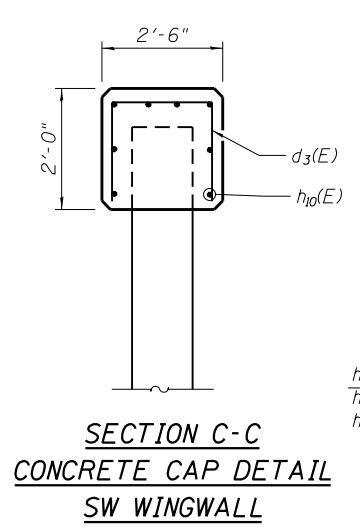
SW WINGWALL & PERMANENT SHEET PILING ELEVATION

Note: Cut to fit h6(E) and h7(E) bars below barrel as needed.

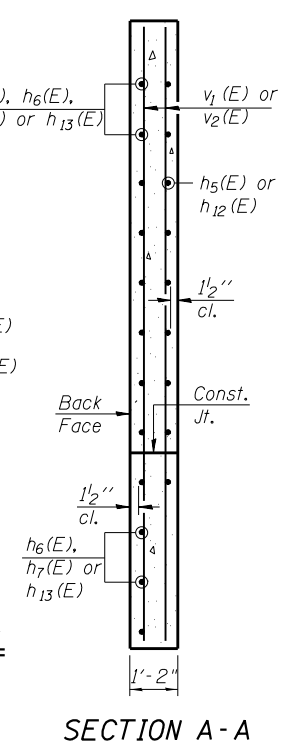


DETAIL A

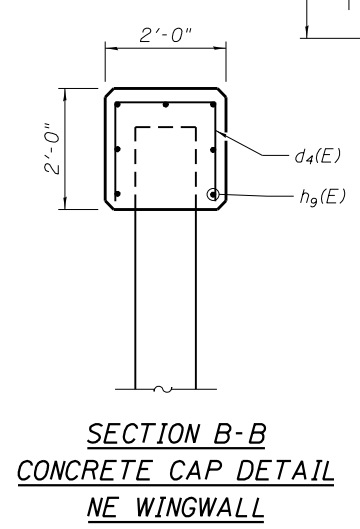
Note: The cost of the Fabric Reinforced Elastomeric Mat, Geosynthetic Filter Fabric and 1/2" P.J.F is included in the cost of Concrete Structures.



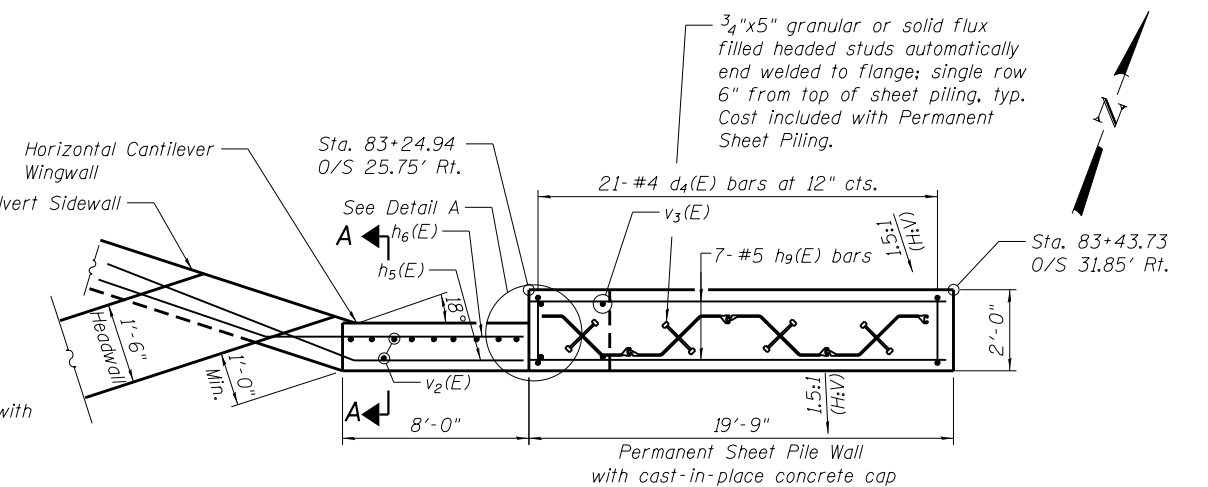
**SECTION C-C
CONCRETE CAP DETAIL
SW WINGWALL**



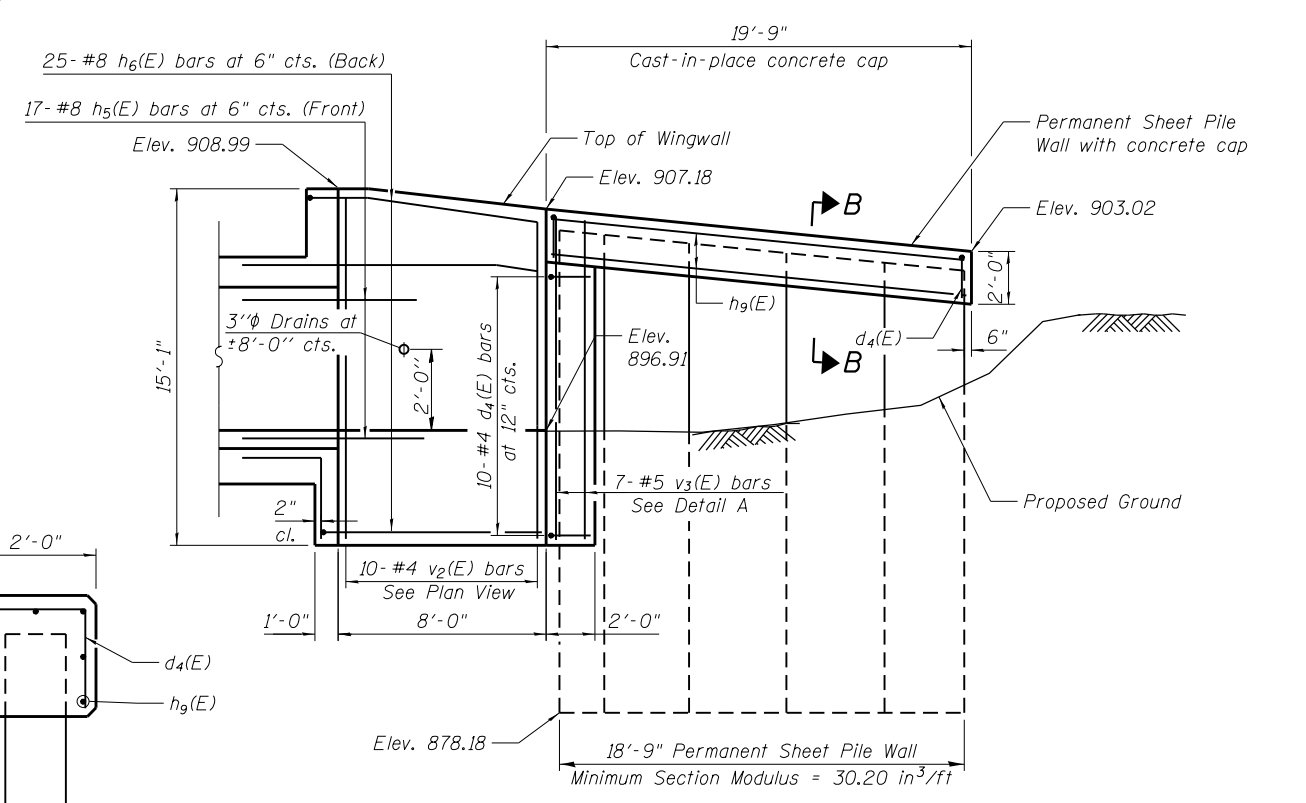
SECTION A-A



**SECTION B-B
CONCRETE CAP DETAIL
NE WINGWALL**



NE WINGWALL PLAN



NE WINGWALL & PERMANENT SHEET PILING ELEVATION

MINIMUM BAR LAP
#5 Bar = 3'-2"



USER NAME = johnn	DESIGNED - SAT	REVISED
PLOT SCALE = 0.2" = 1' or in.	CHECKED - JMT	REVISED
PLOT DATE = 10/19/2016	DRAWN - JN	REVISED
	CHECKED - JMT	REVISED

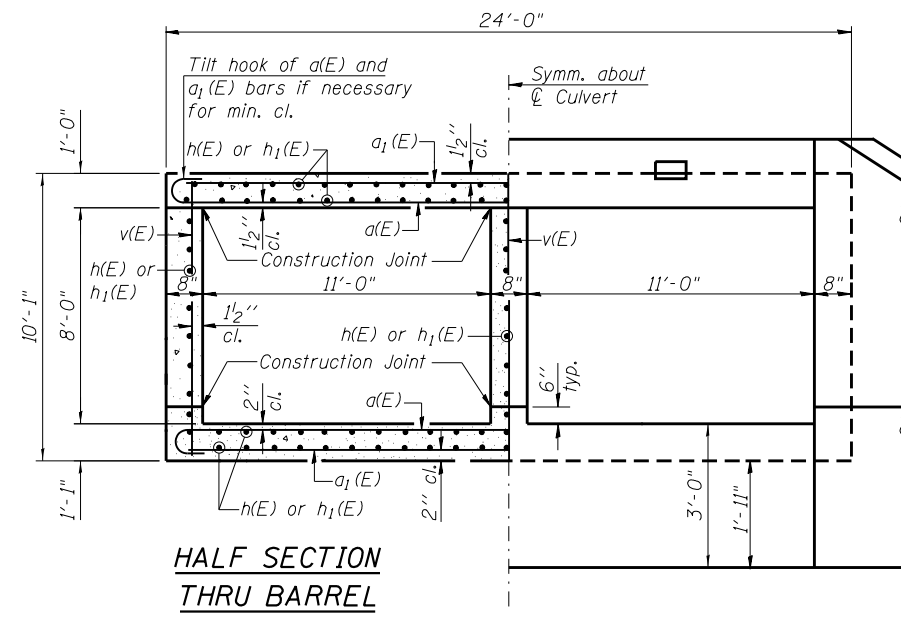
STATE OF ILLINOIS
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WINGWALL DETAILS
STRUCTURE NO. 045-0336
SHEET NO. 7 OF 12 SHEETS

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	42
CONTRACT NO. 62A97				

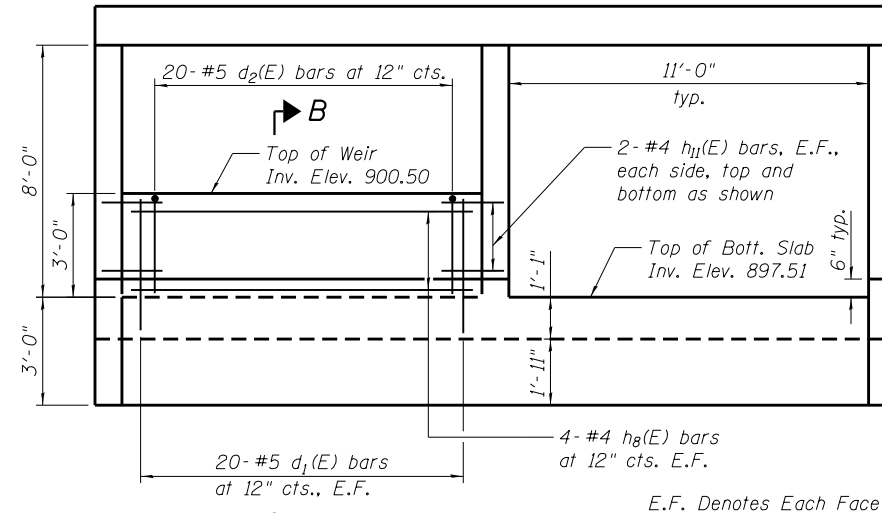
ILLINOIS FED. AID PROJECT

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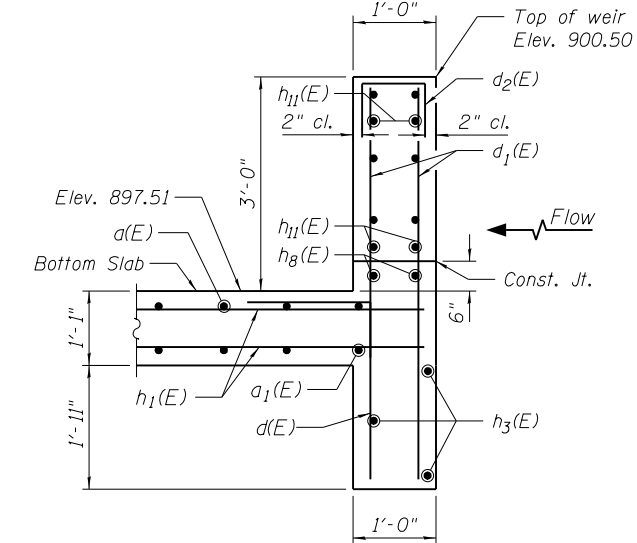
HALF SECTION THRU BARREL

HALF END ELEVATION



WEIR ELEVATION

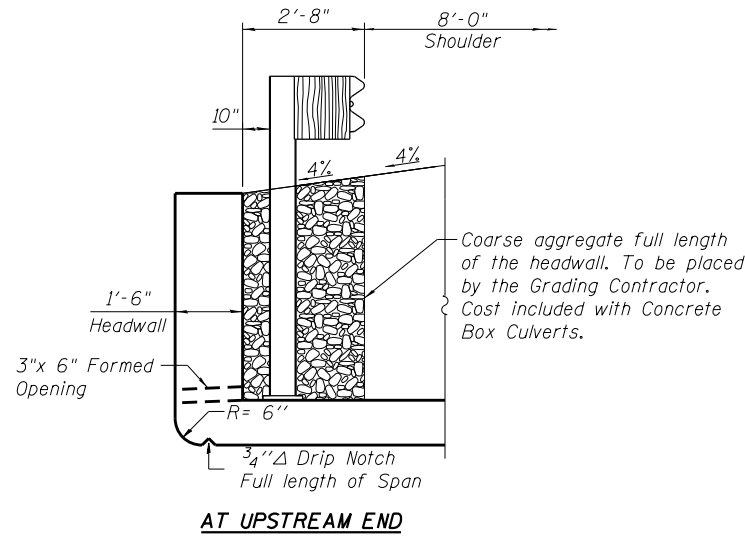
(Upstream End Only)
(North Cell Only)



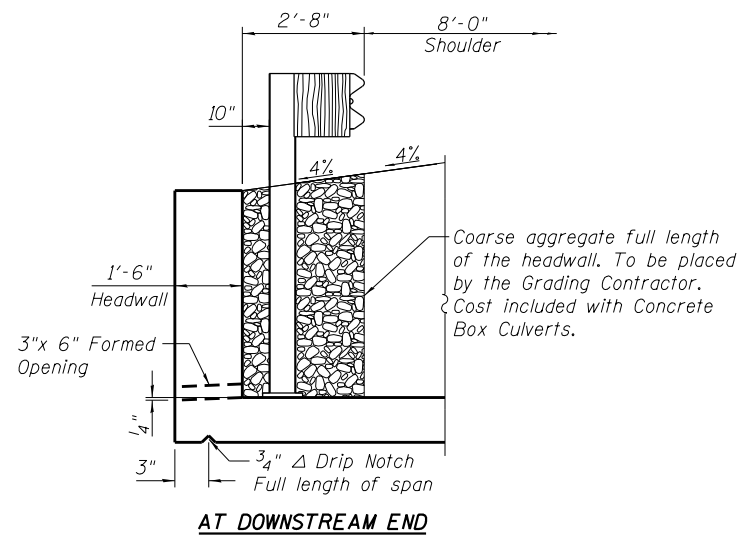
SECTION B-B

BILL OF MATERIAL

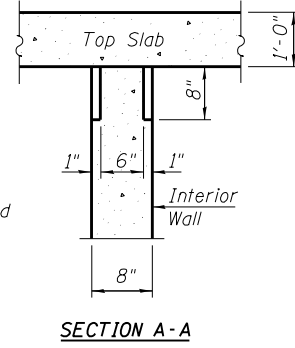
Bar	No.	Size	Length	Shape	
a(E)	305	#8	42'-4"	U	
a1(E)	332	#9	40'-6"	U	
d(E)	84	#4	4'-6"	L	
d1(E)	40	#5	5'-8"	L	
d2(E)	20	#5	2'-4"	L	
d3(E)	66	#4	5'-6"	L	
d4(E)	31	#4	5'-0"	L	
h(E)	254	#4	20'-10"	L	
h1(E)	254	#4	22'-7"	L	
h2(E)	15	#9	40'-6"	L	
h3(E)	21	#8	40'-6"	L	
h4(E)	38	#8	14'-6"	L	
h5(E)	51	#8	8'-0"	L	
h6(E)	25	#8	10'-10"	L	
h7(E)	17	#6	11'-10"	L	
h8(E)	8	#4	18'-4"	L	
h9(E)	7	#5	19'-5"	L	
h10(E)	16	#5	26'-8"	L	
h11(E)	8	#4	1'-6"	L	
h12(E)	12	#6	8'-0"	L	
h13(E)	26	#8	14'-6"	L	
h14(E)	44	#4	21'-7"	L	
s(E)	126	#4	8'-9"	U	
s1(E)	42	#4	10'-11"	U	
s2(E)	42	#4	9'-2"	U	
v(E)	505	#5	9'-10"	L	
v1(E)	24	#4	14'-1"	L	
v2(E)	23	#4	14'-9"	L	
v3(E)	7	#5	12'-11"	L	
v4(E)	8	#5	13'-9"	L	
Reinforcement Bars, Epoxy Coated				Pound	105,940
Concrete Structures				Cu. Yd.	16.2
Bar Splicers				Each	127
Permanent Sheet Piling				Sq. Ft.	2,329
Concrete Box Culverts				Cu. Yd.	263.5
Concrete Sealer				Sq. Ft.	823
Steel Plate Beam Guardrail Attached to Structures (Special)				Foot	100



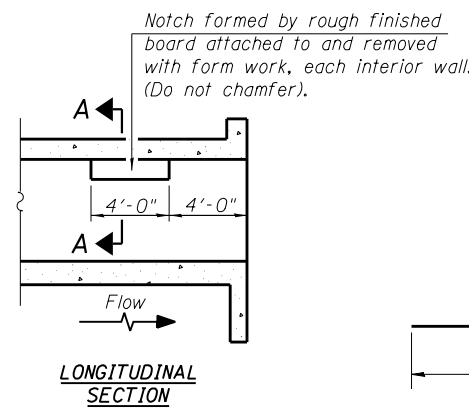
AT UPSTREAM END



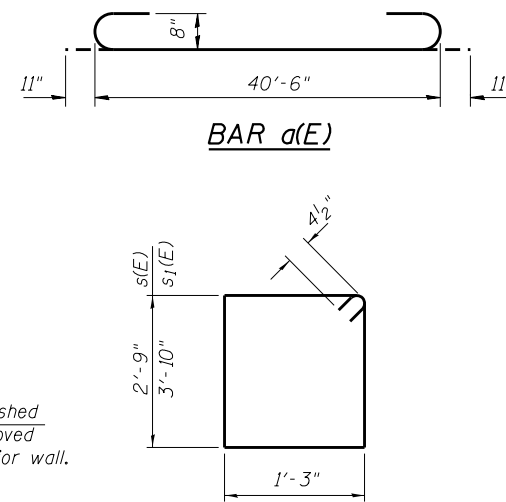
AT DOWNSTREAM END



SECTION A-A

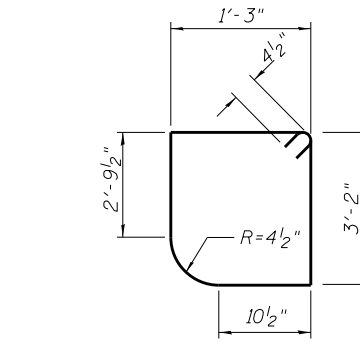


PHOEBE NESTING SITE DETAILS
(Downstream End Only)



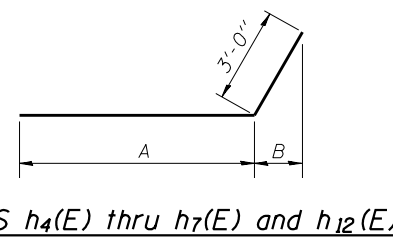
BAR d(E)

BAR s(E) & s1(E)



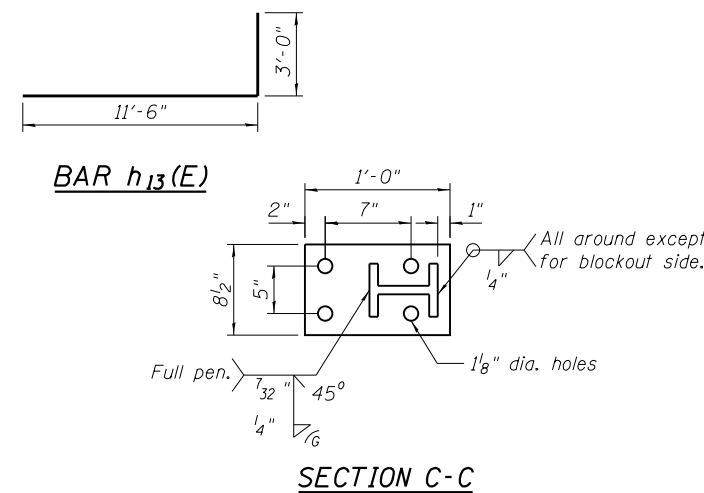
BAR d2(E), d3(E) & d4(E)

Bar	C	D
d2(E)	10"	8"
d3(E)	1'-8"	2'-2"
d4(E)	1'-8"	1'-8"

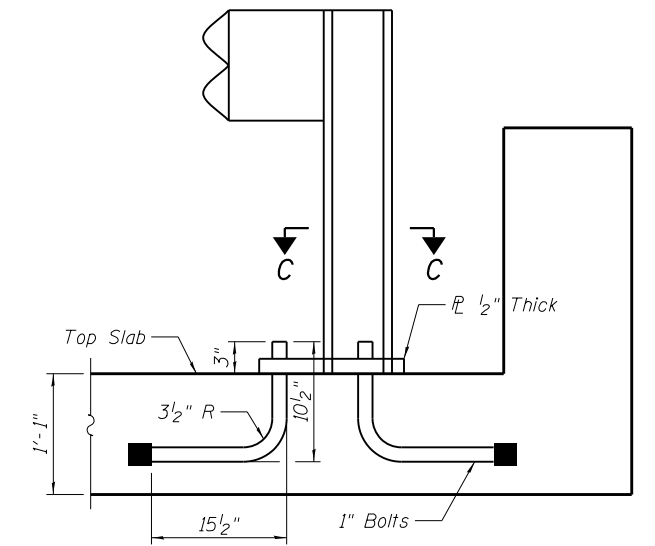


BARS h4(E) thru h7(E) and h12(E)

Bar	A	B
h4(E)	11'-6"	1'-9"
h5(E)	5'-0"	2'-10 1/4"
h6(E)	7'-10"	2'-10 1/4"
h7(E)	8'-10"	2'-10 1/4"
h12(E)	5'-0"	2'-10 1/4"



SECTION C-C



ANCHOR BOLT DETAILS FOR GUARDRAIL

Note: The cost of the Anchor Bolts and Steel Plate Shall be included in the cost of the Steel Plate Beam Guardrail, Attached to Structures (Special)



USER NAME = johnn	DESIGNED - SAT	REVISED
PLOT SCALE = 0.2' = 1"	CHECKED - JMT	REVISED
PLOT DATE = 10/19/2016	DRAWN - JN	REVISED
	CHECKED - JMT	REVISED

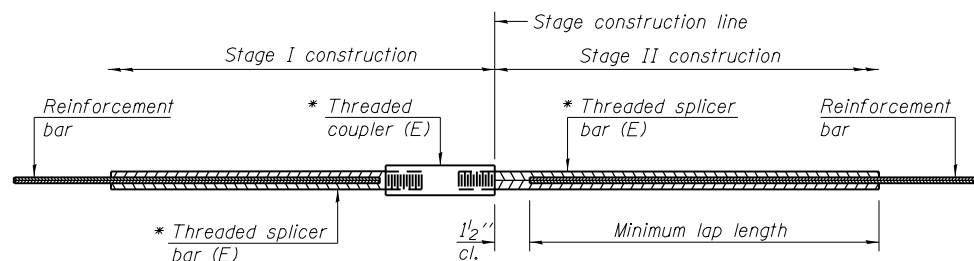
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CULVERT SECTION AND DETAILS STRUCTURE NO. 045-0336

SHEET NO. 8 OF 12 SHEETS

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	43

CONTRACT NO. 62A97
ILLINOIS FED. AID PROJECT

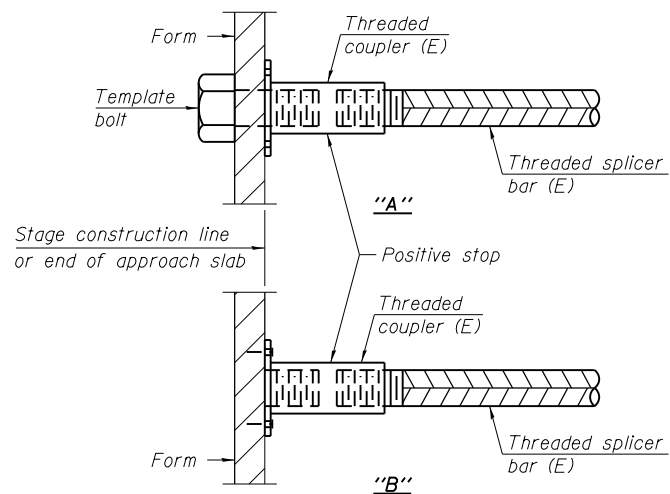


STANDARD BAR SPLICER ASSEMBLY

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

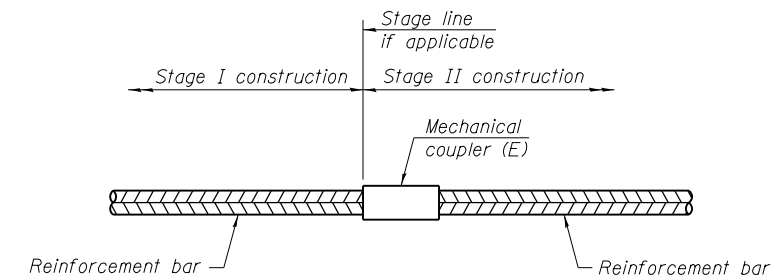
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Top Slab	#4	50	2'-7"
Bottom Slab	#4	50	2'-7"
Sidewalls	#4	27	2'-7"



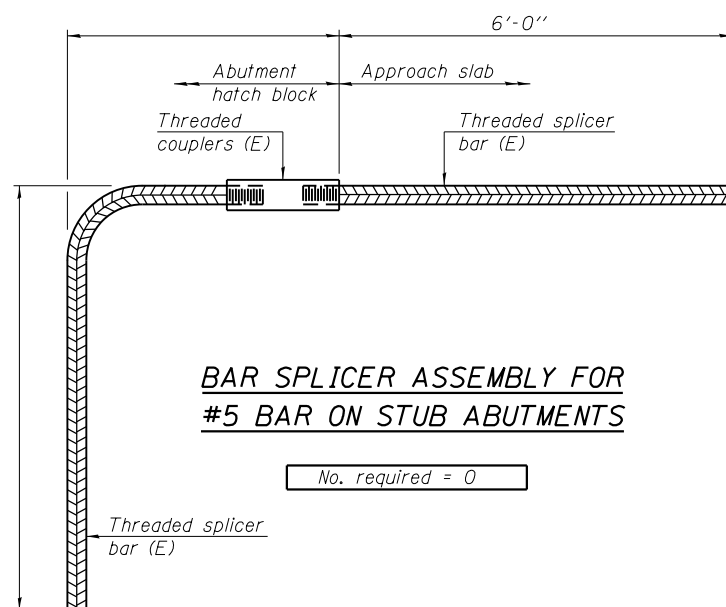
INSTALLATION AND SETTING METHODS

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



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required = 0

NOTES

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

FILE NAME = Q:\Engineering\LiveProjects\13016 IDOT DURN\3016b-WO 2 Contract No. 62A97\CA00\CADD Sheets\Structural\045-0336-62A97-09-Bar_Splicer.dgn

BSD-1

6-8-15



USER NAME = johnn	DESIGNED - SAT	REVISED
	CHECKED - JMT	REVISED
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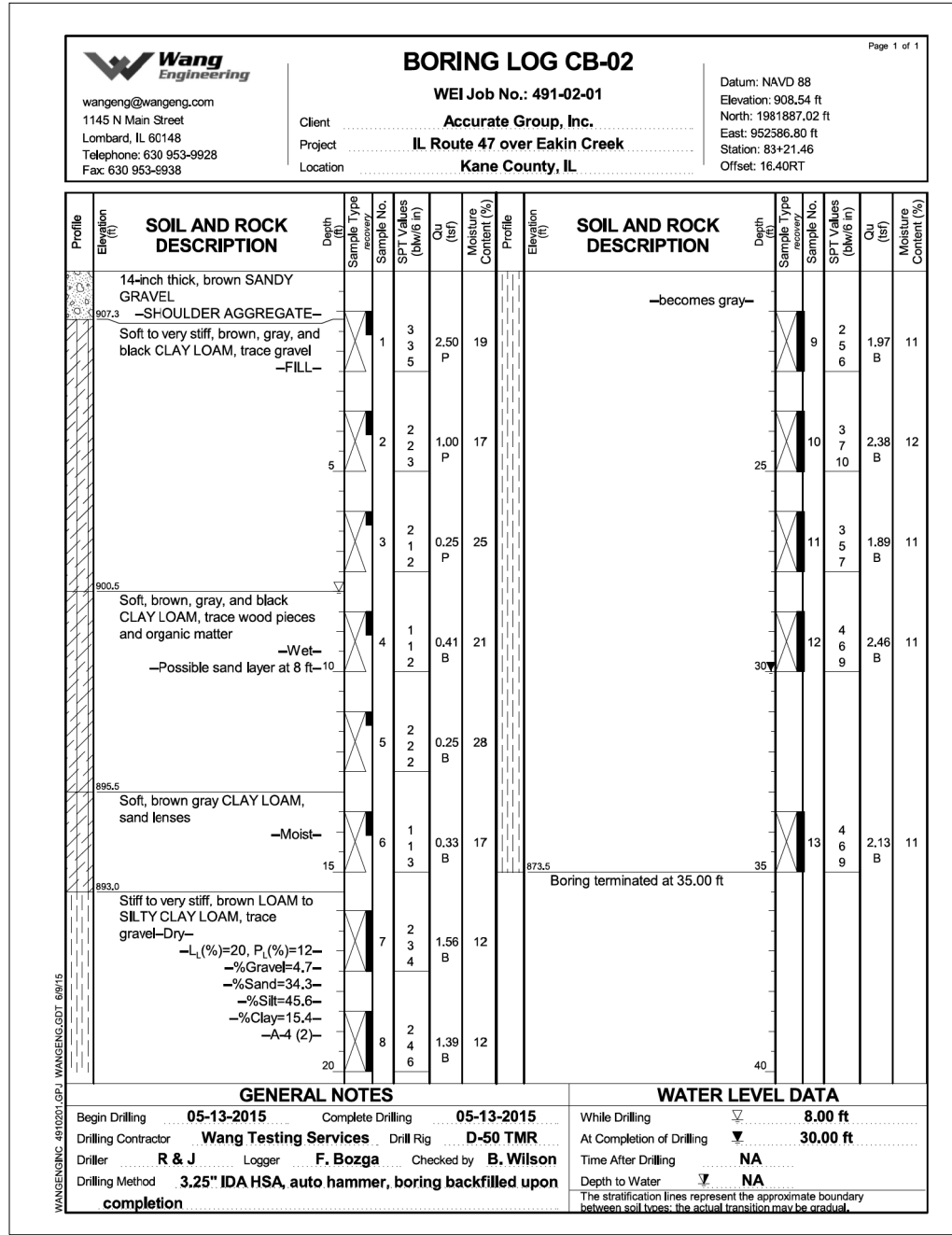
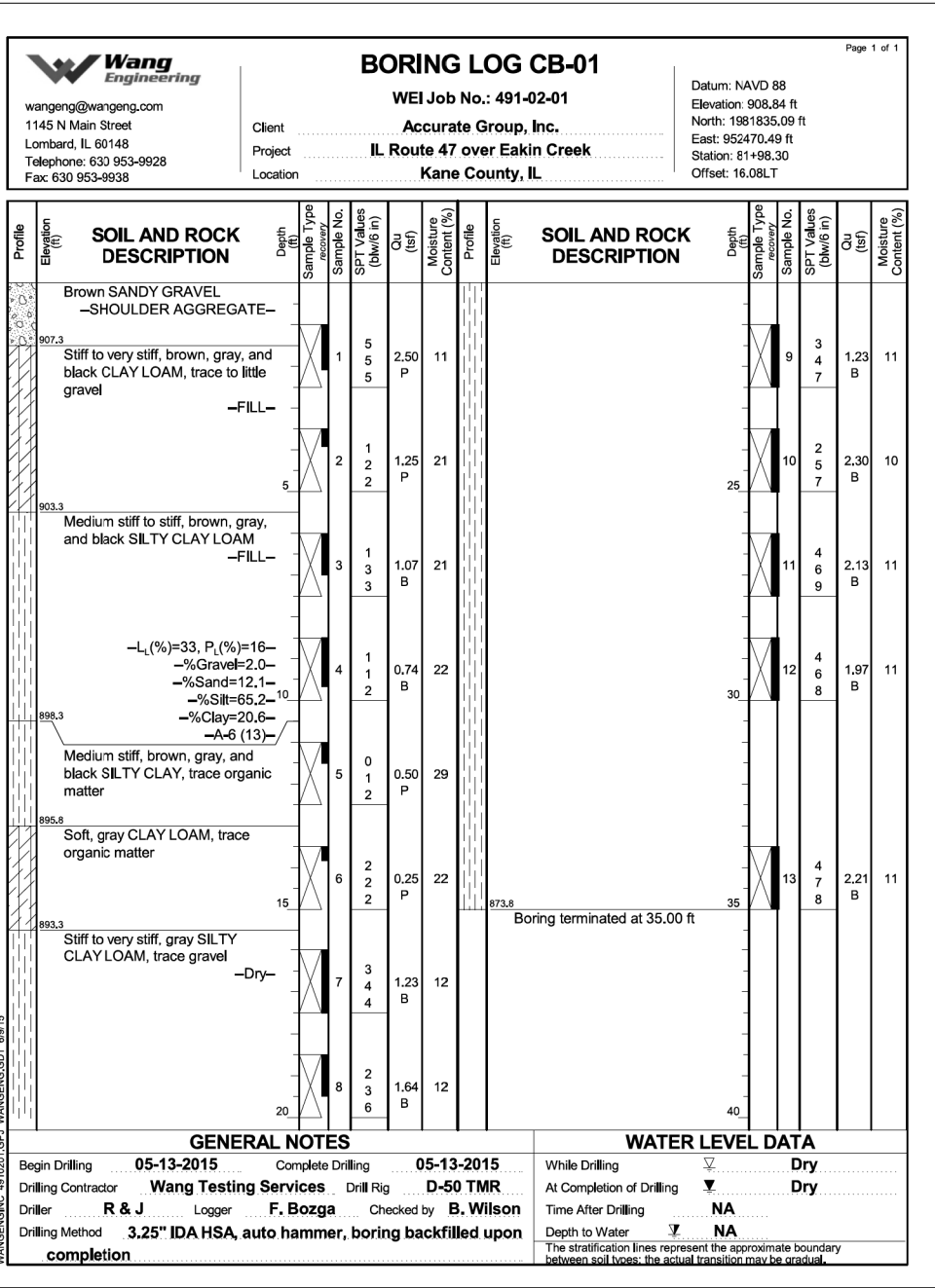
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 045-0336

SHEET NO. 9 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	44
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				

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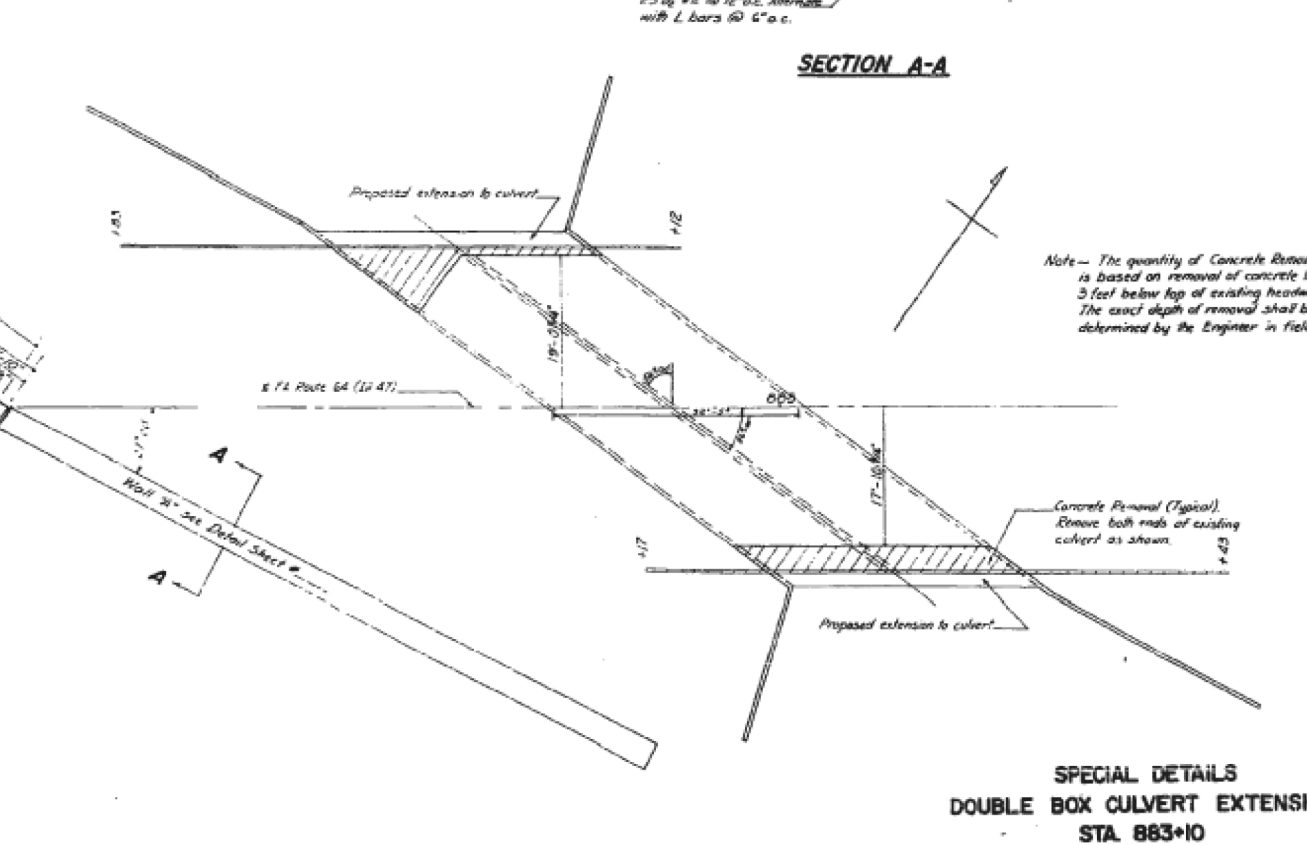
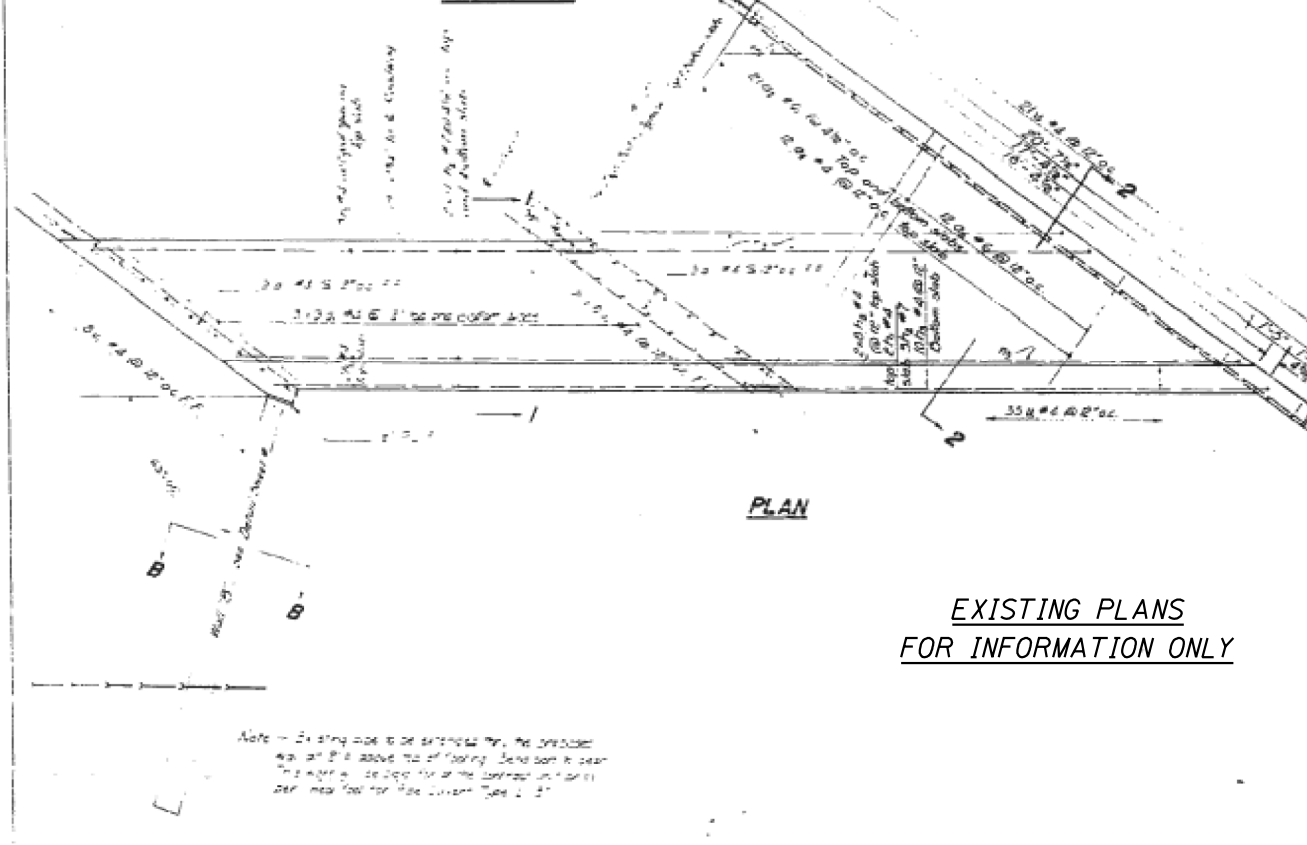
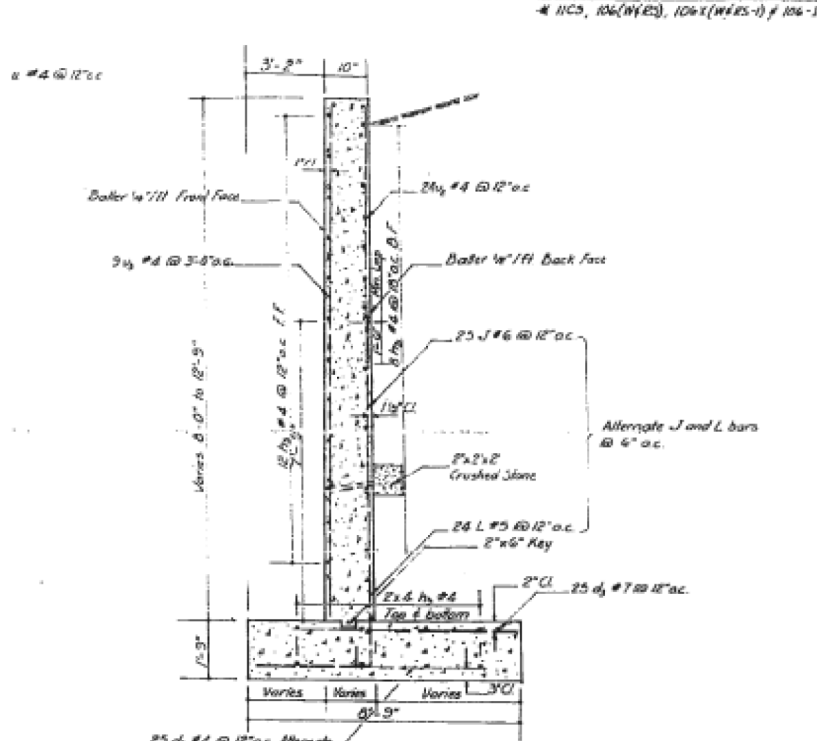
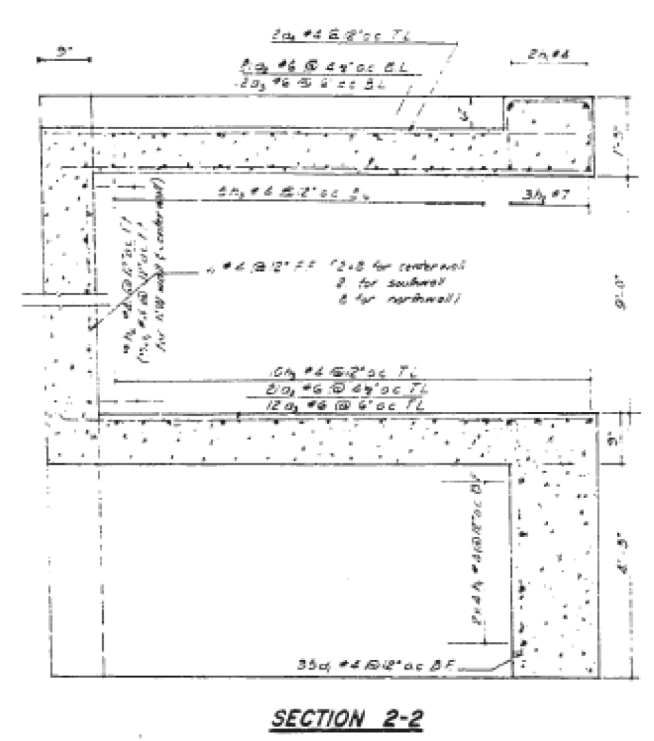
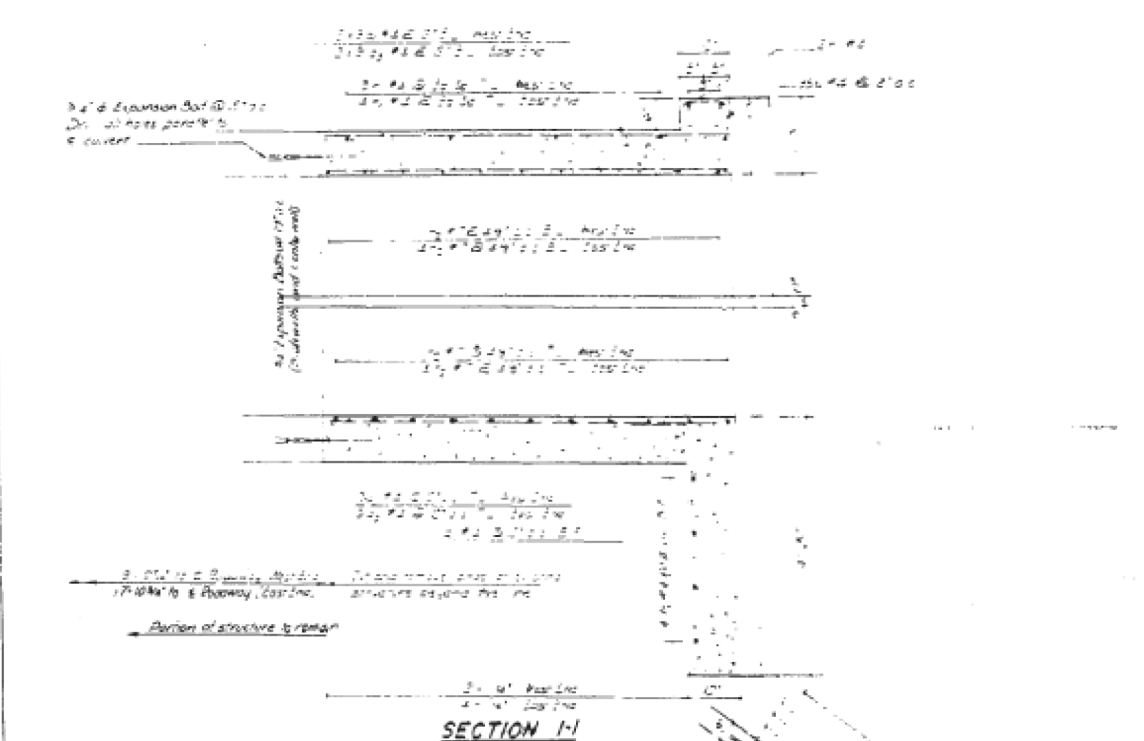
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PLOT DATE = 10/19/2016	CHECKED - JMT	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BORING LOGS
STRUCTURE NO. 045-0336**

SHEET NO. 10 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	45
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				



Note - The quantity of Concrete Removal is based on removal of concrete to 3 feet below top of existing headwall. The exact depth of removal shall be determined by the Engineer in field.

Concrete Removal (Typical). Remove both ends of existing culvert as shown.

SPECIAL DETAILS
DOUBLE BOX CULVERT EXTENSION
STA. 883+10

FILE NAME = G:\Engineering\Live\Projects\13016 IDOT DURN\13016b-WO 2 Contract No. 62A97\CAADD\CADD Sheets\Structural\045-0336-62A97-11-Ex Box Culv Info Only.dgn

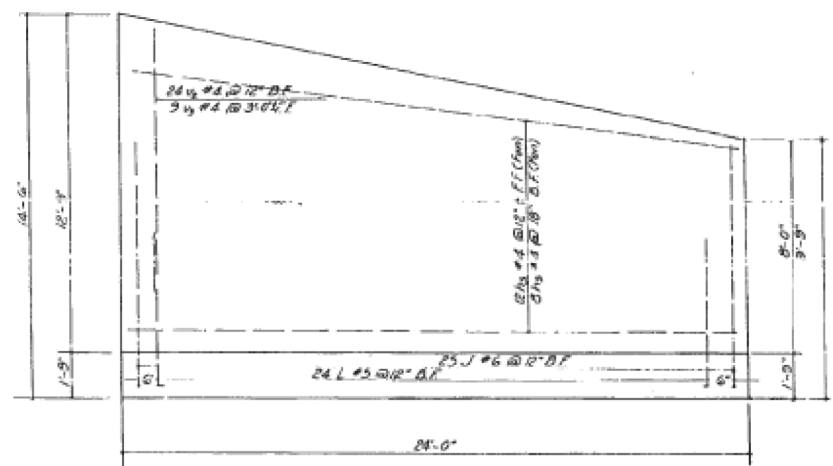


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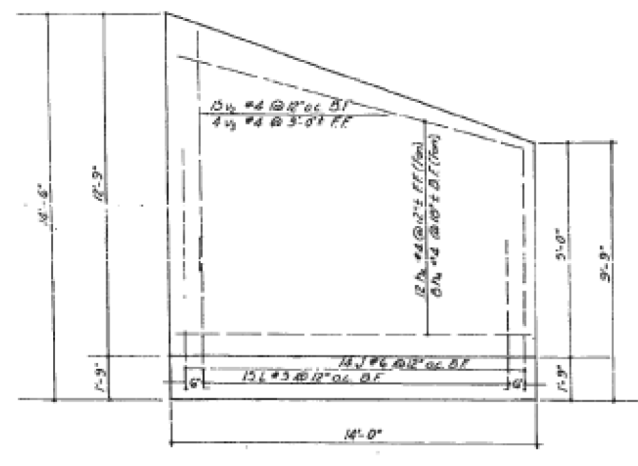
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE (FOR INFORMATION ONLY)
STRUCTURE NO. 045-0336
SHEET NO. 11 OF 12 SHEETS

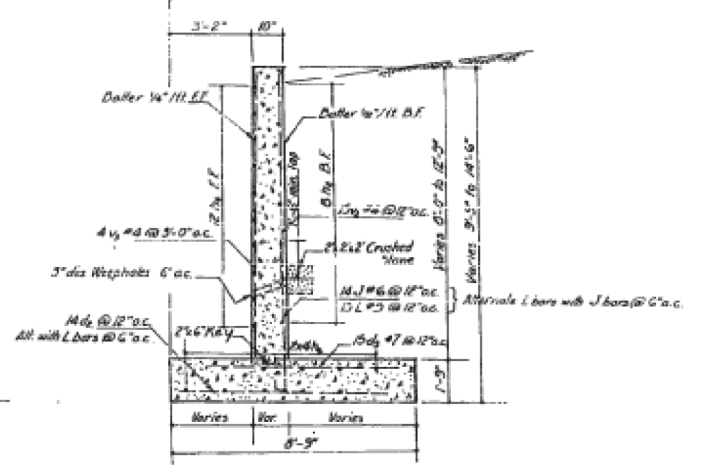
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	46
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				



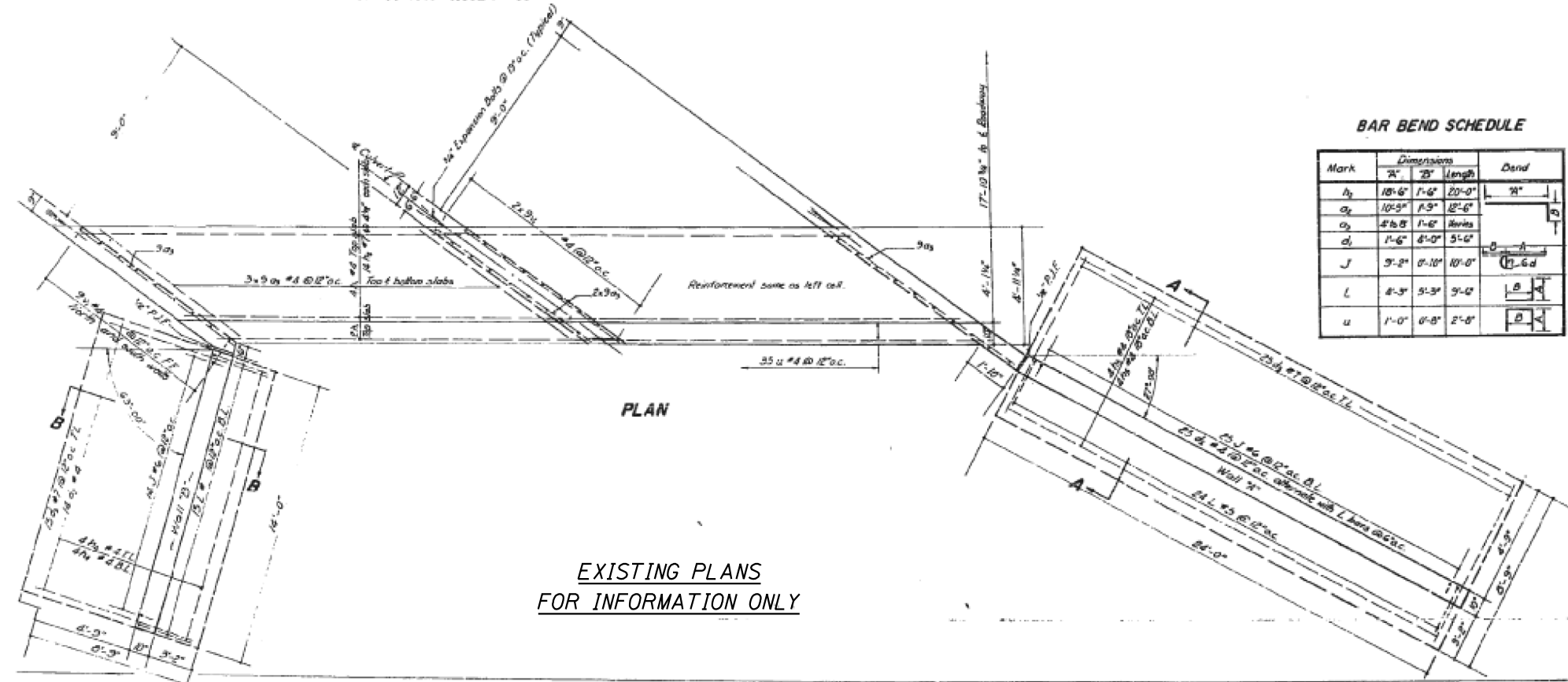
ELEVATION WALL "A"



ELEVATION WALL "B"



SECTION B-B



EXISTING PLANS FOR INFORMATION ONLY

BAR BEND SCHEDULE

Mark	Dimensions		Length	Dend
	W	D		
h ₁	10'-6"	1'-6"	20'-0"	9"
h ₂	10'-5"	1'-5"	18'-6"	9"
o ₁	4'-6"	1'-6"	Varies	9"
o ₂	1'-6"	8'-0"	5'-6"	9"
J	3'-2"	8'-10"	10'-0"	9"
L	4'-5"	5'-3"	5'-0"	9"
u	1'-0"	6'-8"	2'-0"	9"

BAR SCHEDULE

Mark	Size	No.	Length	Shape
h ₁	4	31	18'-0"	U
h ₂	7	61	20'-0"	U
h ₃	4	26	18'-0"	U
h ₄	4	56	13'-9"	U
h ₅	4	56	23'-9"	U
h ₆	4	9	20'-6"	U
o ₁	4	54	6'-0"	U
o ₂	6	42	12'-6"	U
o ₃	6	71	9'-6"	U
o ₄	4	12	10'-9"	U
o ₅	4	90	8'-0"	U
u	4	81	10'-5"	U
h ₇	4	78	10'-6"	U
h ₈	4	26	14'-0"	U
o ₆	4	70	5'-0"	U
o ₇	4	78	6'-0"	U
o ₈	7	60	6'-0"	U
J	6	78	10'-0"	U
L	5	78	9'-6"	U
u	4	70	2'-0"	U

* Length varies. Cut bars in field.

SPECIAL DETAILS
DOUBLE BOX CULVERT EXTENSION
STA. 983+10

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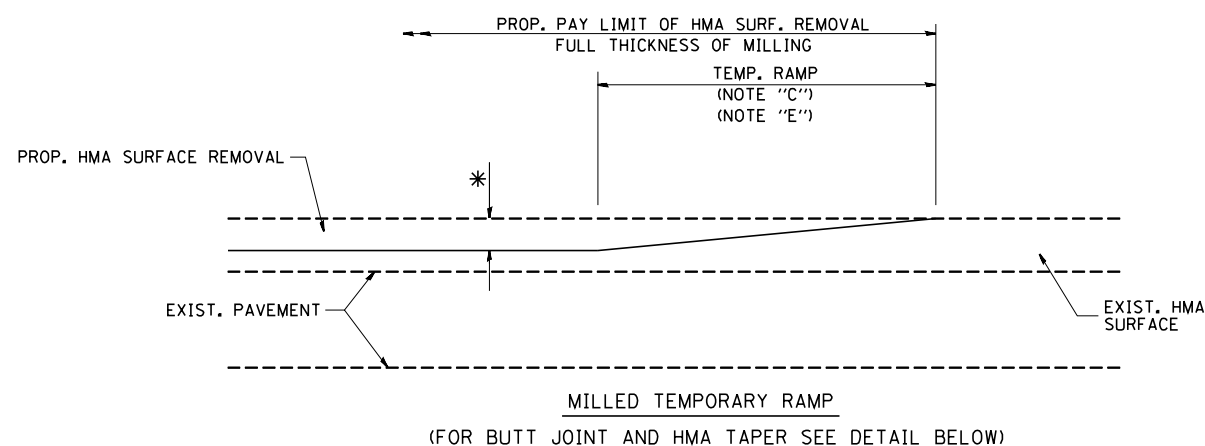


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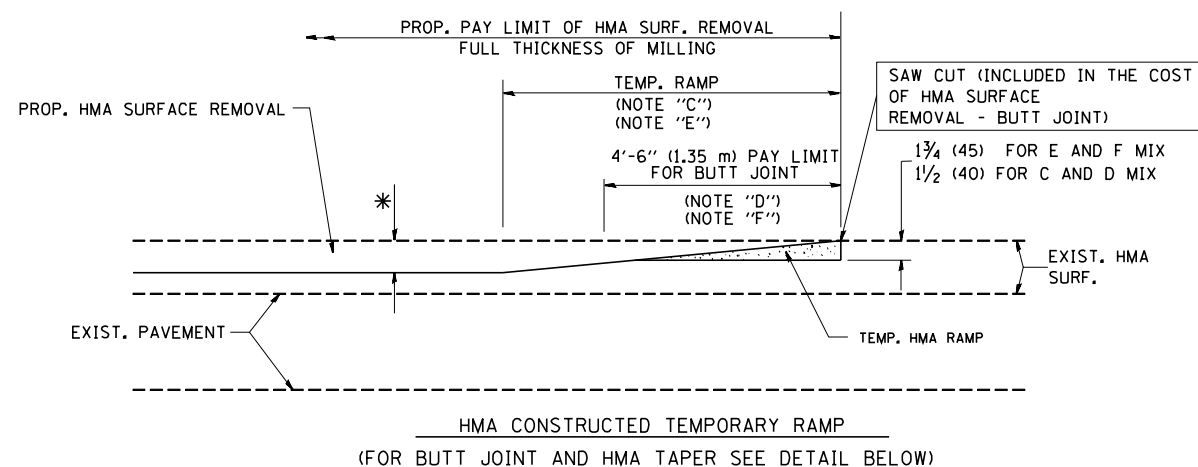
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE (FOR INFORMATION ONLY)
STRUCTURE NO. 045-0336
SHEET NO. 12 OF 12 SHEETS

F.A.P. RTE. 326	SECTION 2015-040B	COUNTY KANE	TOTAL SHEETS 67	SHEET NO. 47
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				

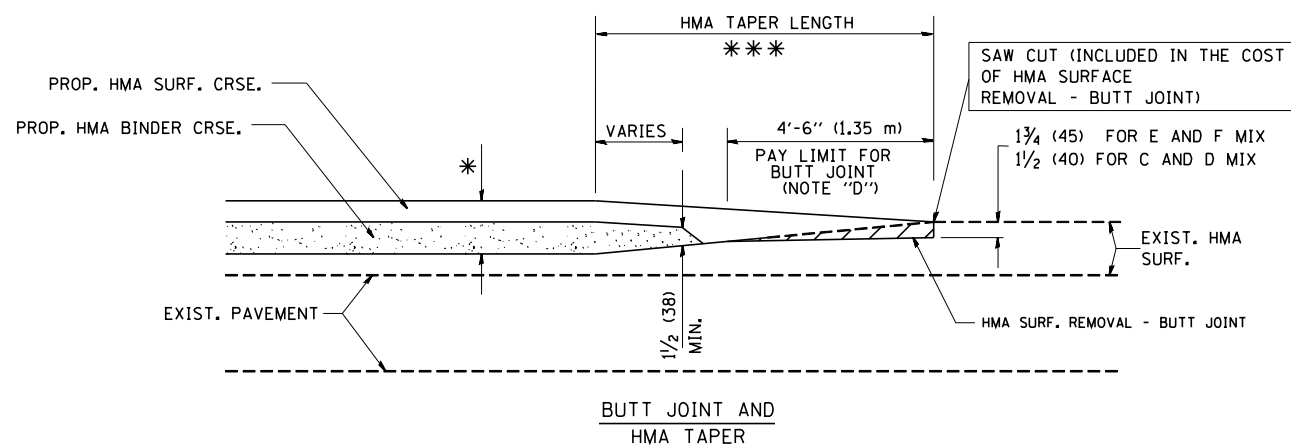


OPTION 1

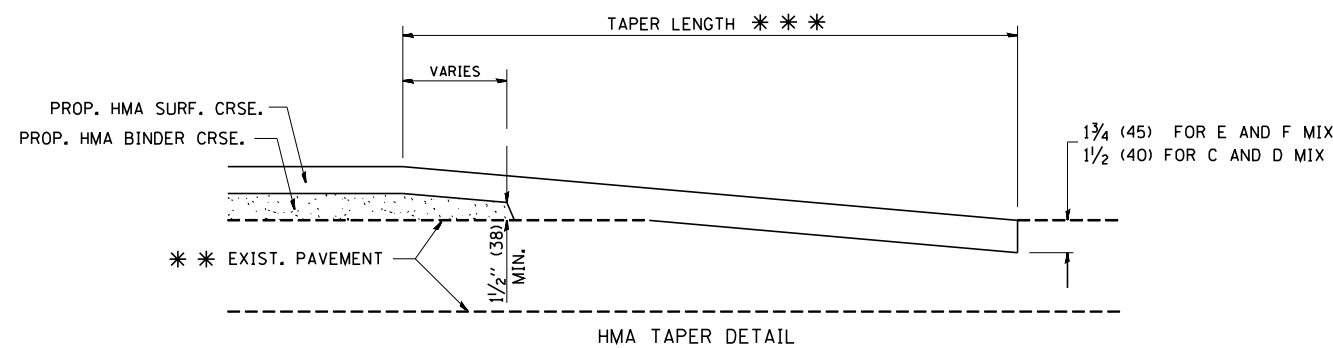
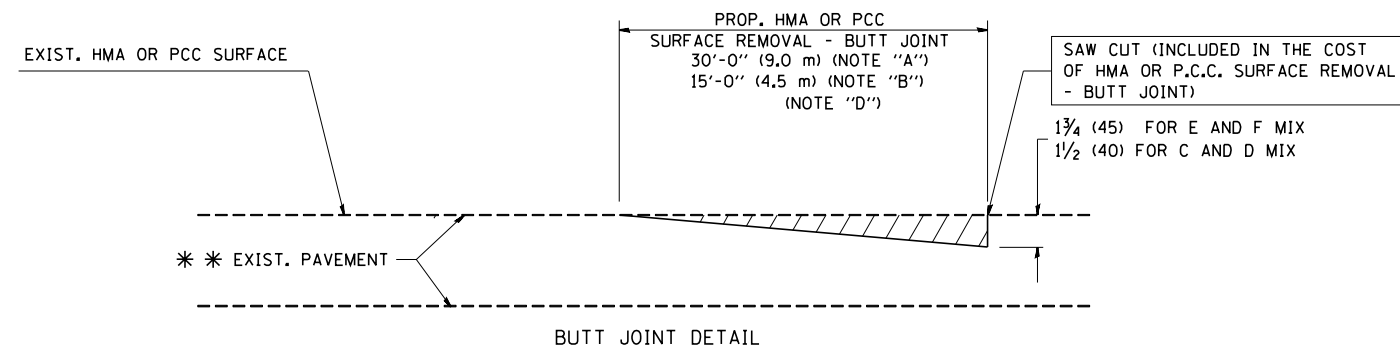


OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



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.

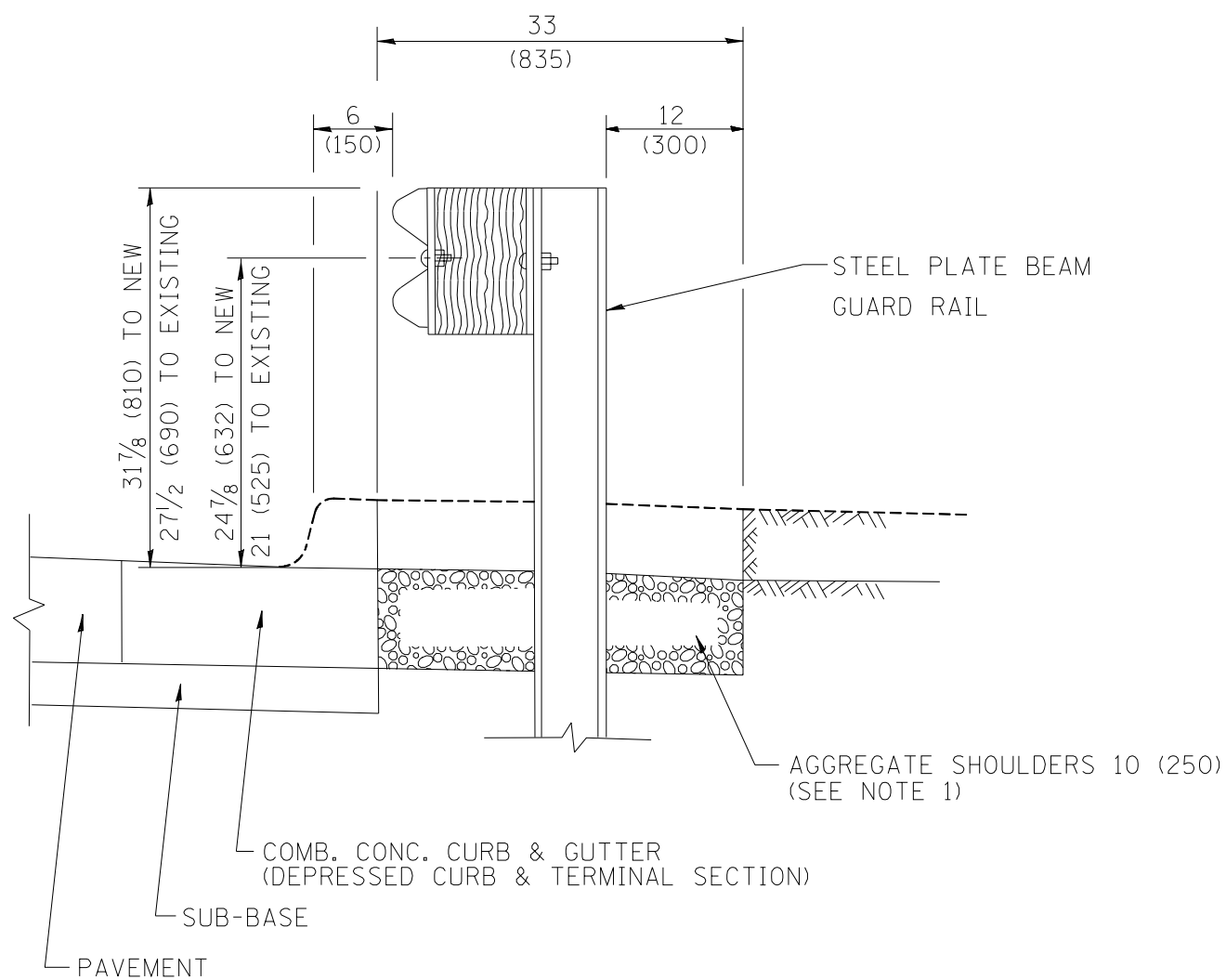
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

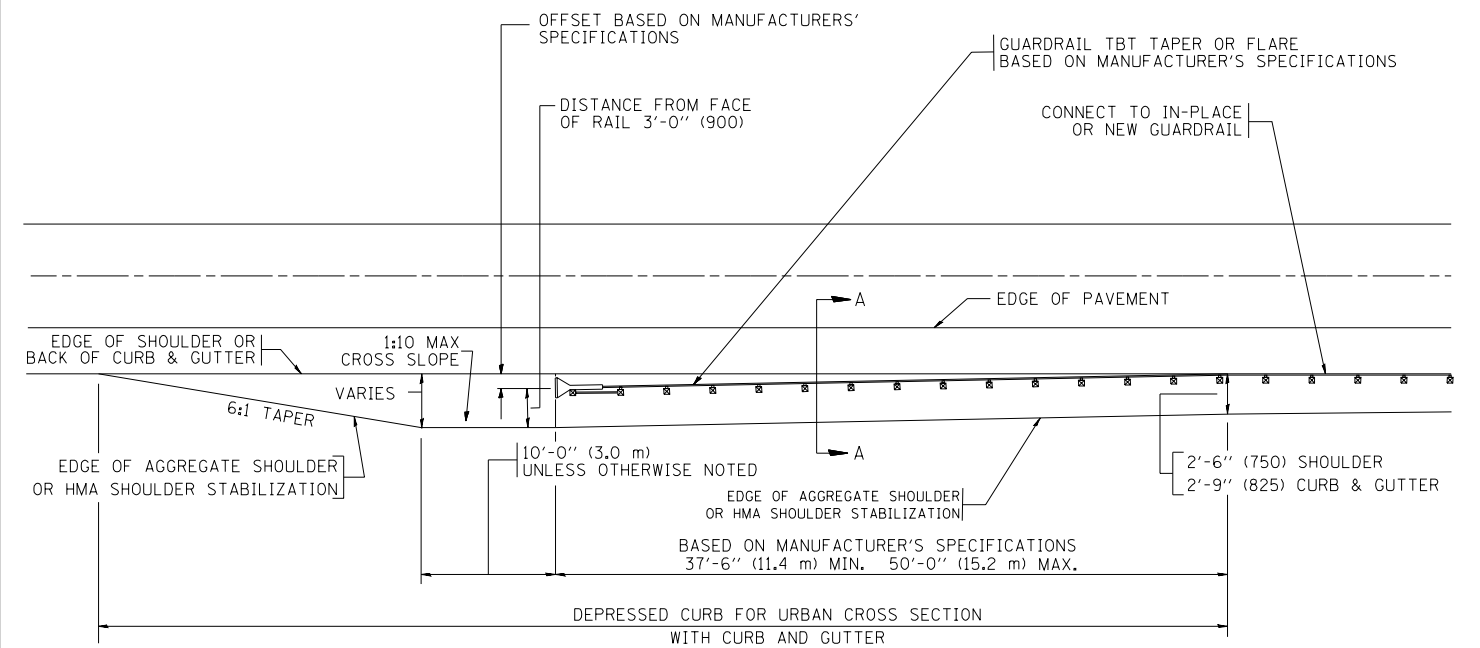
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326	2015-040B	KANE	67	48
BD400-05 BD32		CONTRACT NO. 62A97		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SECTION A-A

- NOTES:
1. THE AGGREGATE SHOULDER, 10" OR HMA SHOULDER, 6" (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.

BASIS OF PAYMENT: HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SHOULDERS 6" (150 mm)".

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.

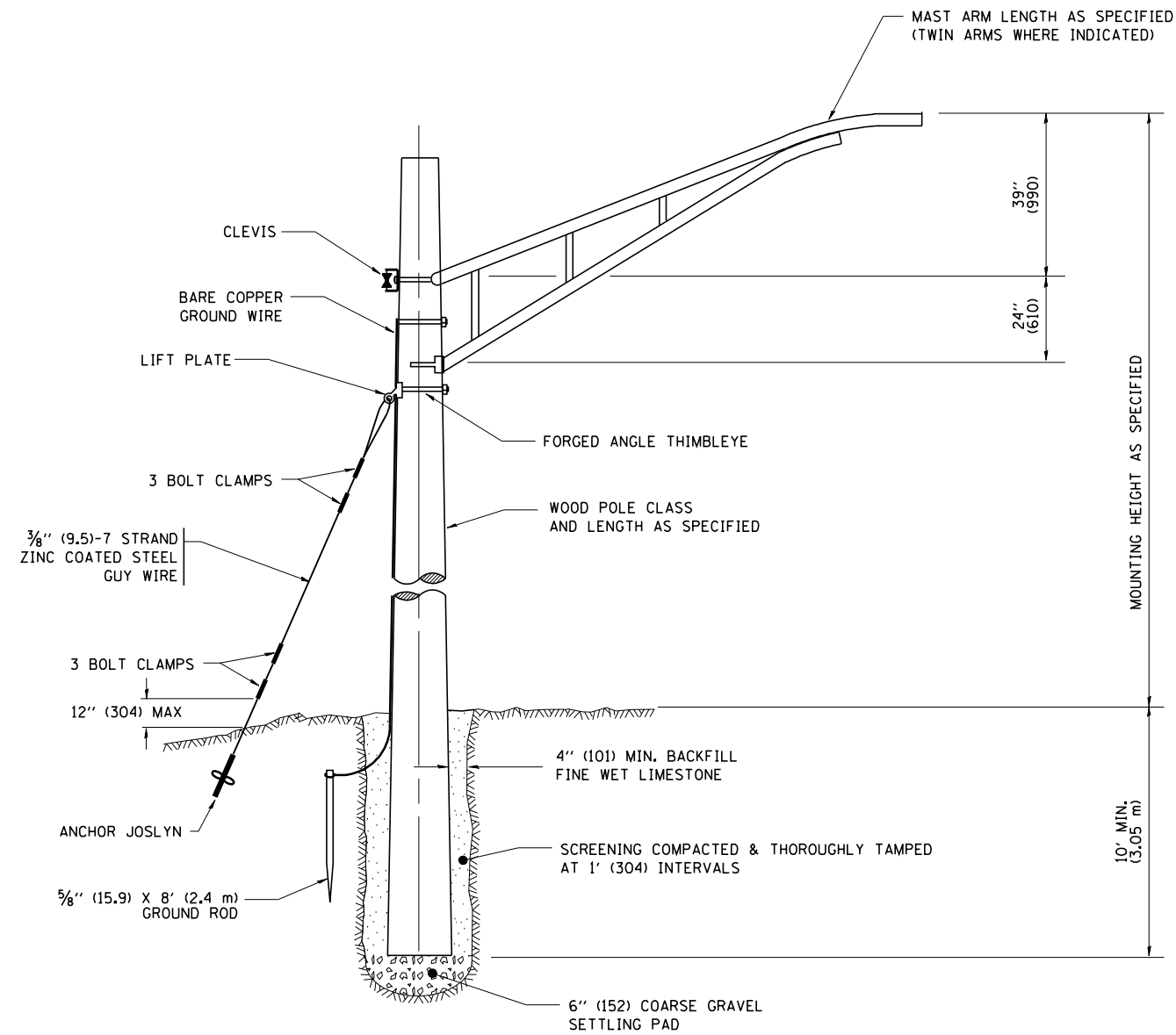
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

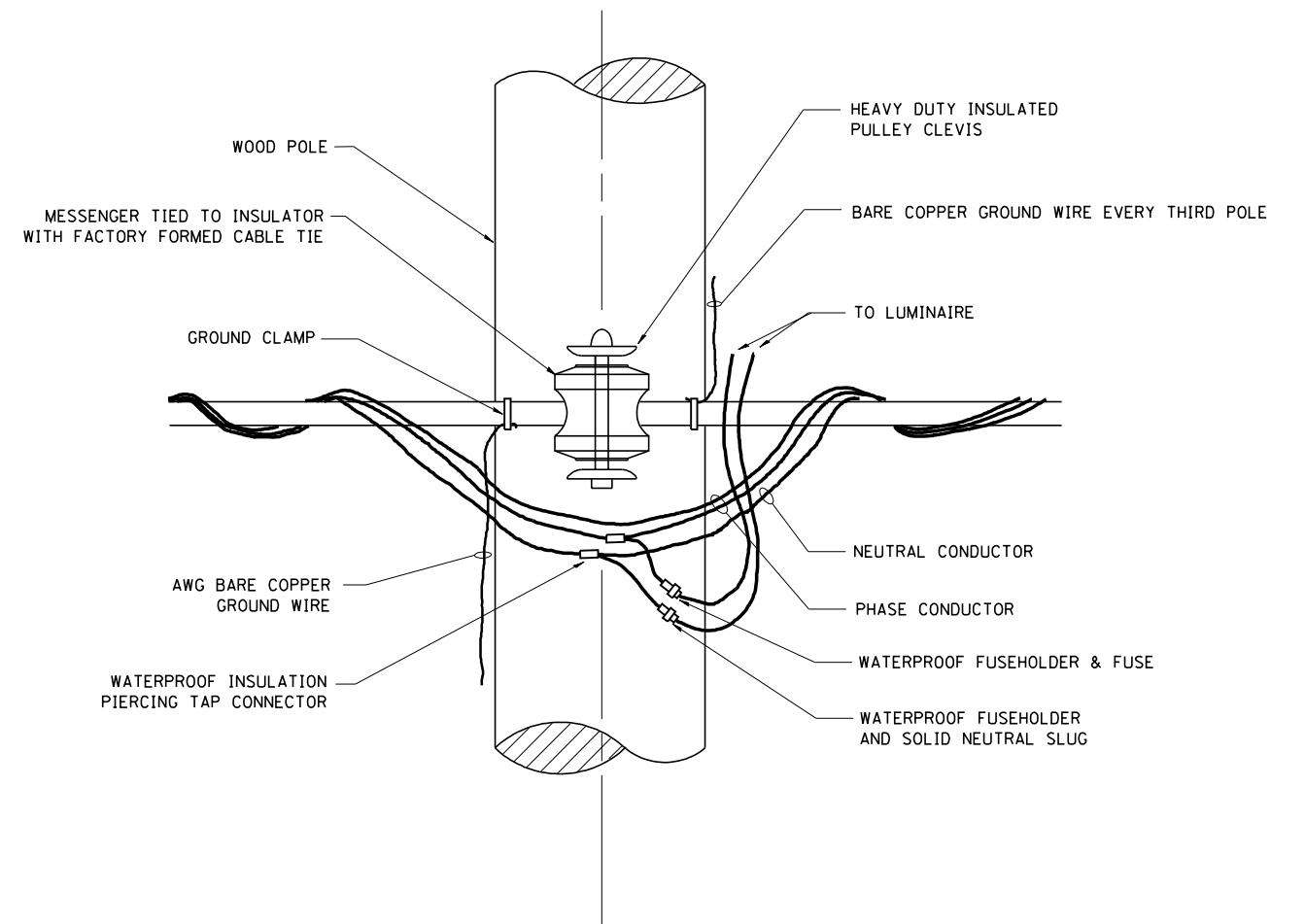
DETAILS FOR DEPRESSED CURB & GUTTER AND
 SHOULDER TREATMENT AT TBT TY 1 SPL.

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	49
BD600-10 (BD 34)			CONTRACT NO. 62A97	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TEMPORARY LIGHT POLE DETAIL



TEMPORARY LIGHT POLE ATTACHMENT DETAIL

NOTES:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED

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PLOT SCALE = 50.000' / IN.
PLOT DATE = 1/4/2008

DESIGNED -
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DATE -

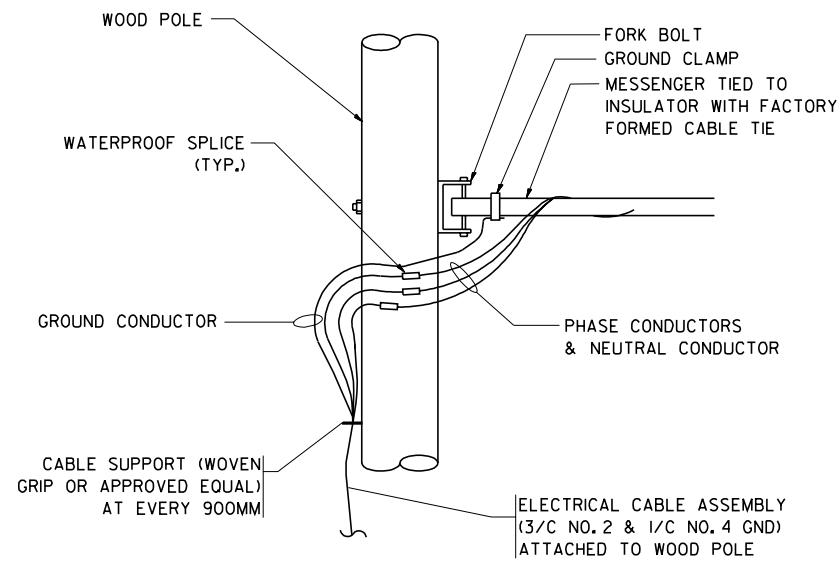
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

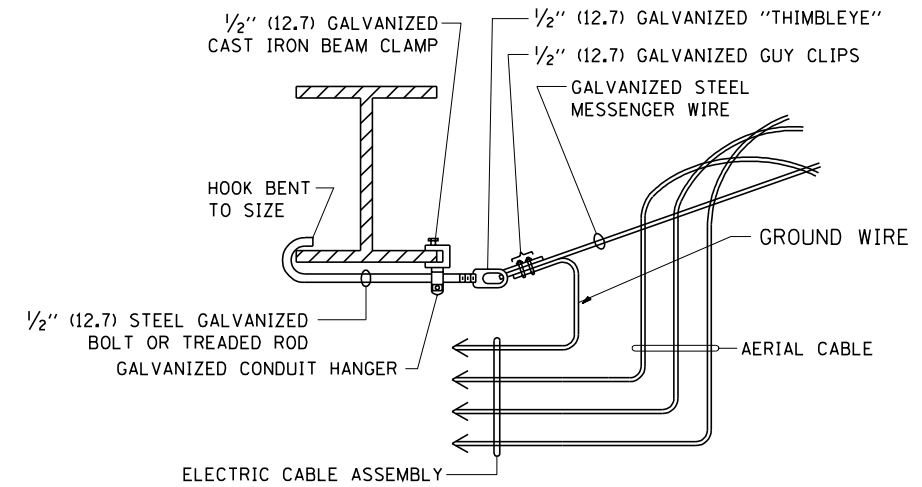
TEMPORARY LIGHT POLE DETAILS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	50
BE-800		CONTRACT NO. 62A97		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



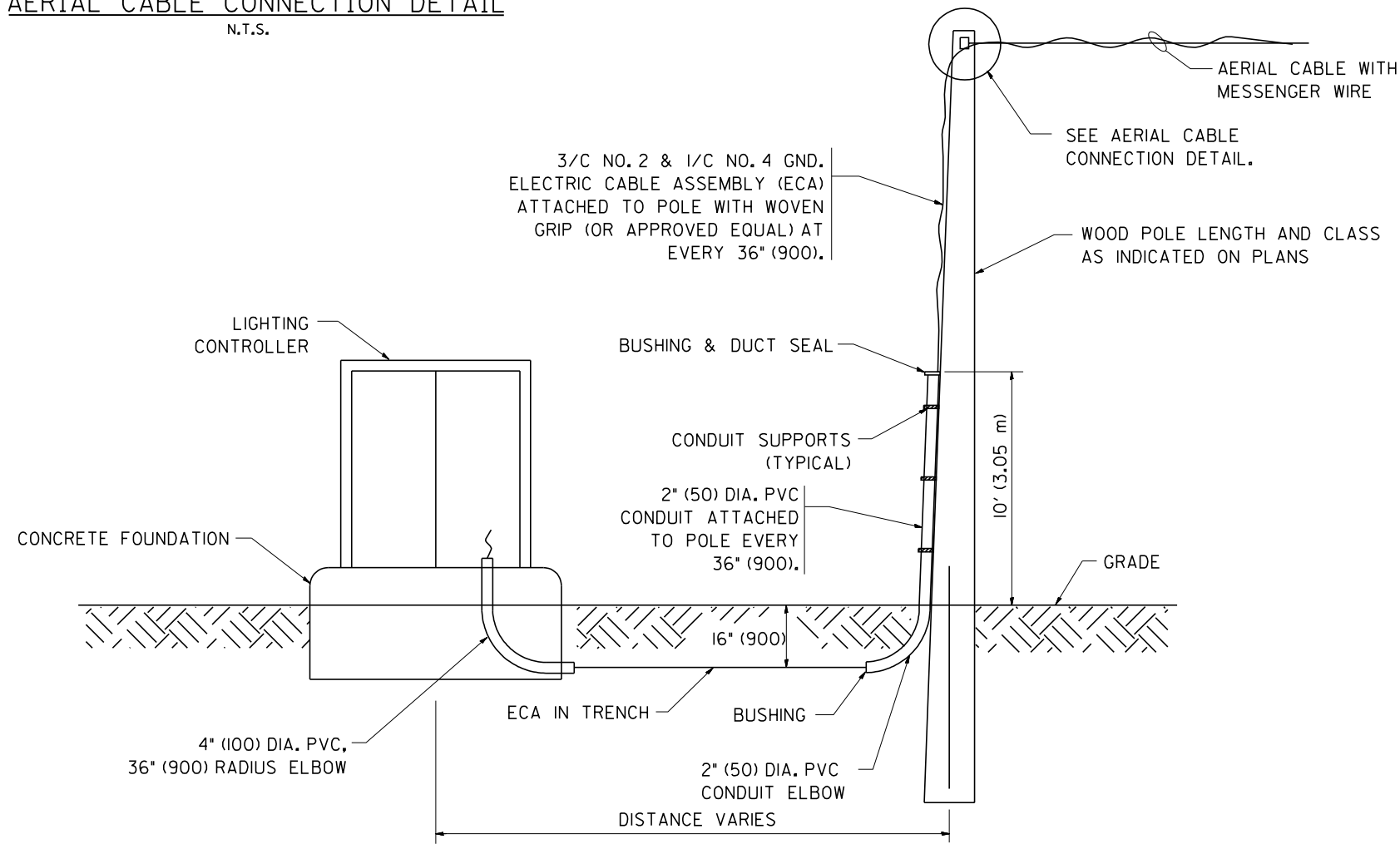
AERIAL CABLE CONNECTION DETAIL
N.T.S.



AERIAL CABLE ATTACHED TO STRUCTURE
NOT TO SCALE

NOTES:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. SEE PROPOSED LIGHTING PLAN FOR CONDUIT, CABLE AND ROUTING.
3. THE CONTRACTOR SHALL PROVIDE INTERMEDIATE SUPPORTS TO MAINTAIN MINIMUM CLEARANCES. REFER TO AERIAL AERIAL CABLE ATTACHED TO STRUCTURE DETAIL.
4. COST OF SPLICES AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR AERIAL CABLE.



WOOD POLE TO LIGHTING CONTROLLER WIRING CONNECTION DETAIL
N.T.S.

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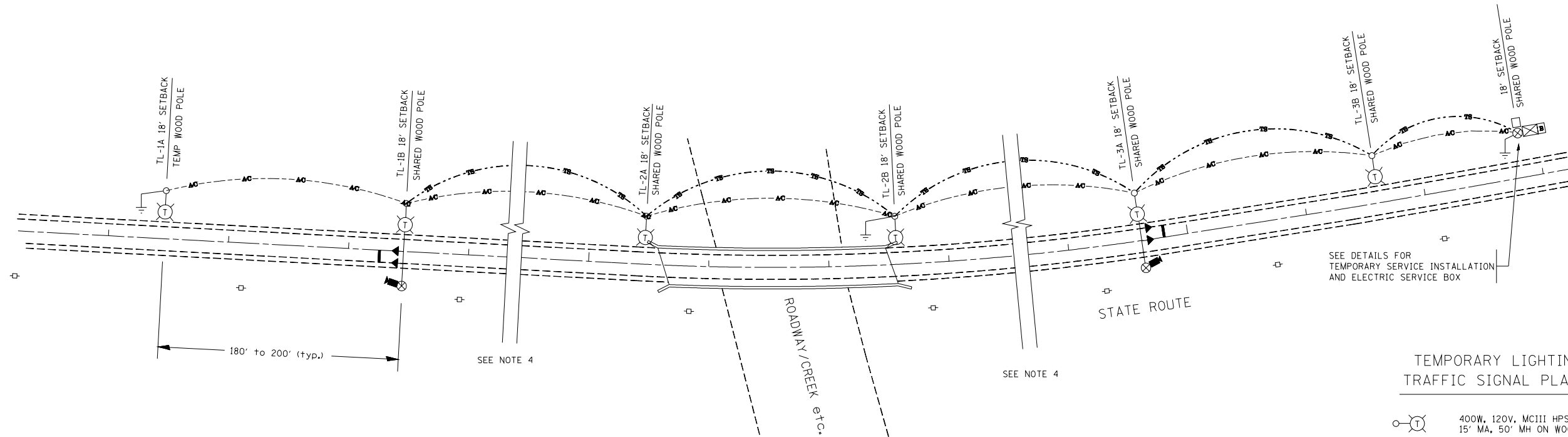
REVISED - 08-08-03
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY AERIAL CABLE INSTALLATION

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	51
BE-001		CONTRACT NO. 62A97		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



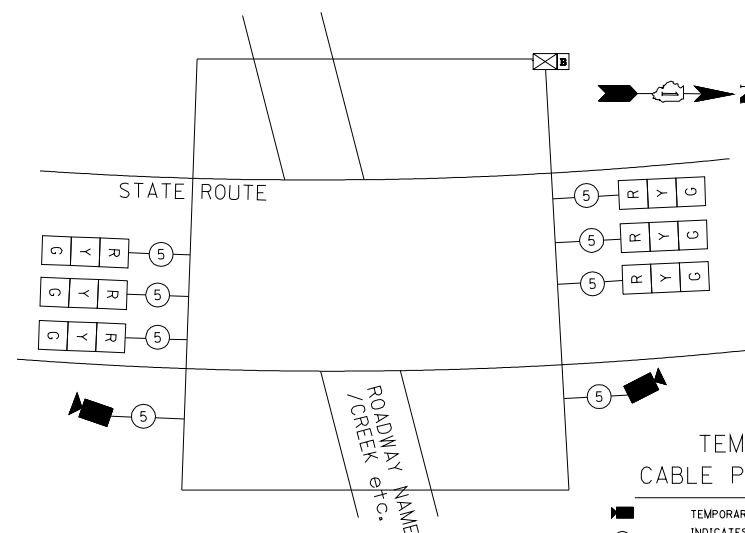
TYPICAL LAYOUT FOR TEMPORARY LIGHTING AND TRAFFIC SIGNALS
NOT TO SCALE

GENERAL NOTES:

- CONTACT TO THE ELECTRIC UTILITY SHALL BE INITIATED BEFORE THE PRECONSTRUCTION MEETING, AND DOCUMENTATION OF CONTACT SHALL BE PRESENTED AT THAT MEETING. NO PLACEMENT OF POLES WILL BE ALLOWED WITHOUT EVIDENCE OF A SIGNED AGREEMENT WITH THE ELECTRIC UTILITY, FURNISHED TO THE ENGINEER.
- UNLESS OTHERWISE INDICATED, AND EXCEPT AS OTHERWISE NOTED, THIS STANDARDIZED LAYOUT SHALL APPLY FOR BRIDGES NOT EXCEEDING A 250-FOOT SPAN. FOR BRIDGE SPANS IN EXCESS OF 250 FEET, THE POLES IMMEDIATELY ADJACENT TO THE BRIDGE SHALL BE 100-FOOT POLES (90-FOOT MOUNTING HEIGHT), WITH 750-WATT TYPE III HIGH PRESSURE SODIUM HIGH-MAST LUMINAIRES AS APPROVED BY THE ENGINEER.
- THE LAYOUT OF THE TEMPORARY EQUIPMENT WILL VARY BASED ON FIELD CONDITIONS, STAGING, UTILITY IMPACTS, AND THE ELECTRIC SERVICE LOCATION AS COORDINATED WITH THE ELECTRIC UTILITY. THE CONTRACTOR SHALL SUBMIT A PLAN INDICATING THE SETTING OF POLES, TRAFFIC SIGNALS, AND COMBINED SERVICE. THIS PLAN MUST BE APPROVED BY THE ENGINEER BEFORE ANY POLES ARE PLACED
- THE ELECTRIC SERVICE SHALL BE 240/120V. WHERE 240V SERVICE IS NOT AVAILABLE, THE CONTRACTOR MAY SUBMIT A PROPOSAL FOR 120V SERVICE, DROP CABLE, MAIN BREAKER, AND ALL OTHER SERVICE APPURTENANCES SHALL BE APPROPRIATELY RATED AND INCLUDED REGARDLESS OF THE SERVICE VOLTAGE APPLIED
- THE TEMPORARY LIGHTING AND TRAFFIC SIGNAL INSTALLATION SHALL SHARE ANY COMMON ELEMENTS SUCH AS WOOD POLES, ELECTRICAL SERVICE, ELECTRIC SERVICE BOX, CABLE, ETC. THE CONTRACTOR SHALL COORDINATE TEMPORARY LIGHTING AND TRAFFIC SIGNAL INSTALLATIONS.
- THE LIGHT POLE SETBACK FROM THE EDGE OF TRAVEL PAVEMENT SHALL BE 18 FT. UNLESS THE LIGHT POLE IS BEHIND GUARDRAIL. THE LIGHT POLES INSTALLED BEHIND THE GUARDRAIL OR BARRIER WALL SHOULD HAVE AT LEAST 8 FT. SETBACK FROM THE BACK OF THE SHOULDER AND OR AS DIRECTED BY THE ENGINEER.
- EACH LIGHTING UNIT SHALL BE CONTROLLED BY A PHOTO CELL MOUNTED ON EACH LUMINAIRE WITH THE LIGHTING CIRCUIT FED FROM THE TEMPORARY SERVICE DISCONNECT BOX. OTHER MEANS OF LUMINAIRE CONTROL CAN BE CONSIDERED IF APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL SPLICE AERIAL CABLE AT THE LIGHT POLE USING HEAT SHRINKABLE CAPS WITH THE FACTORY APPLIED WATERPROOF SEALANT OR AN APPROVED UL LISTED AERIAL TAP DEVICE.
- ALL AREAS DISTURBED UNDER THIS CONTRACT SHALL BE RESTORED TO THE ORIGINAL CONDITION OR BETTER, TO THE SATISFACTION OF THE ENGINEER.

TEMPORARY LIGHTING AND TRAFFIC SIGNAL PLAN LEGEND

- 400W, 120V, MCIII HPS. WITH PHOTO CELL 15' MA, 50' MH ON WOOD POLE, CLASS 4
- 3-1/2" C#2, AERIAL CABLE WITH MESSENGER WIRE UNLESS OTHERWISE NOTED
- TL-1A TEMPORARY LIGHTING UNIT NUMBER - ONE CIRCUIT A
- GROUND ROD 5/8" DIA. x 10'
- COMBINATION LIGHTING AND TRAFFIC POLE MOUNTED ELECTRICAL SERVICE BOX
- TEMPORARY WOOD POLE - NOMINAL 60 FT., CLASS 4
- TEMPORARY LED TRAFFIC SIGNAL HEAD, NUMBER OF SECTION AND DISPLAY AS REQUIRED.
- TEMPORARY TRAFFIC SIGNAL SPAN WIRE, NUMBER OF CONDUCTORS AS REQUIRED.
- TEMPORARY TRAFFIC CONTROLLER WITH UPS AND BOTTOM PLATE MOUNTED TO WOOD POLE
- TEMPORARY VIDEO DETECTOR

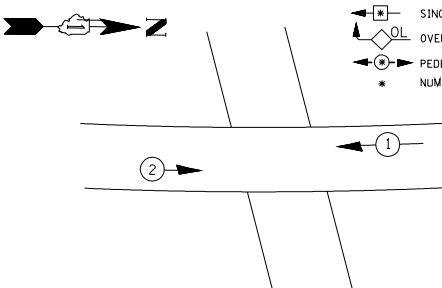


TEMPORARY CABLE PLAN LEGEND

- TEMPORARY VIDEO DETECTOR
- INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
- TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION, 12" (300 mm)

TEMPORARY PHASE DESIGNATION DIAGRAM LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE



TEMPORARY PHASE DESIGNATION DIAGRAM (TYPICAL)
NOT TO SCALE

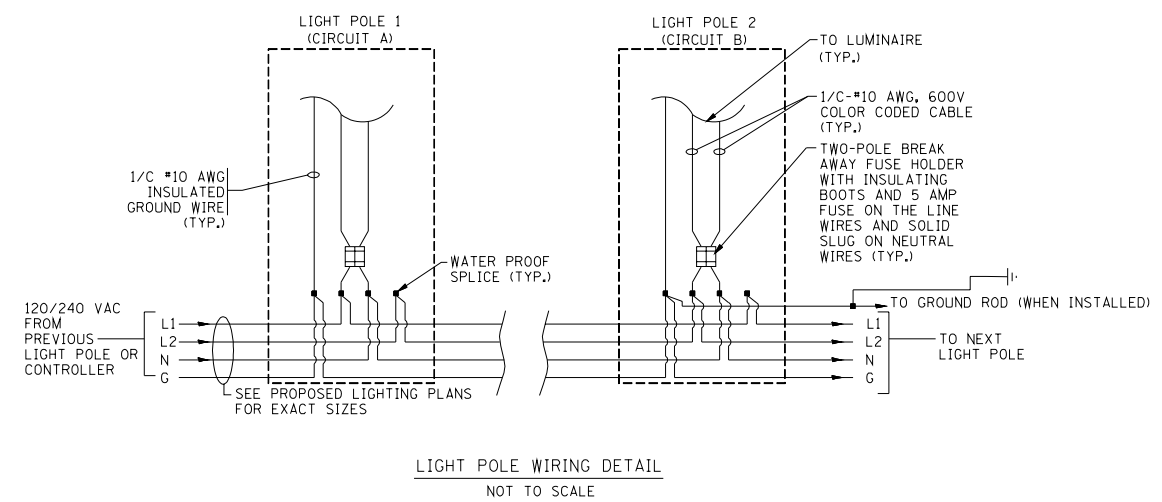
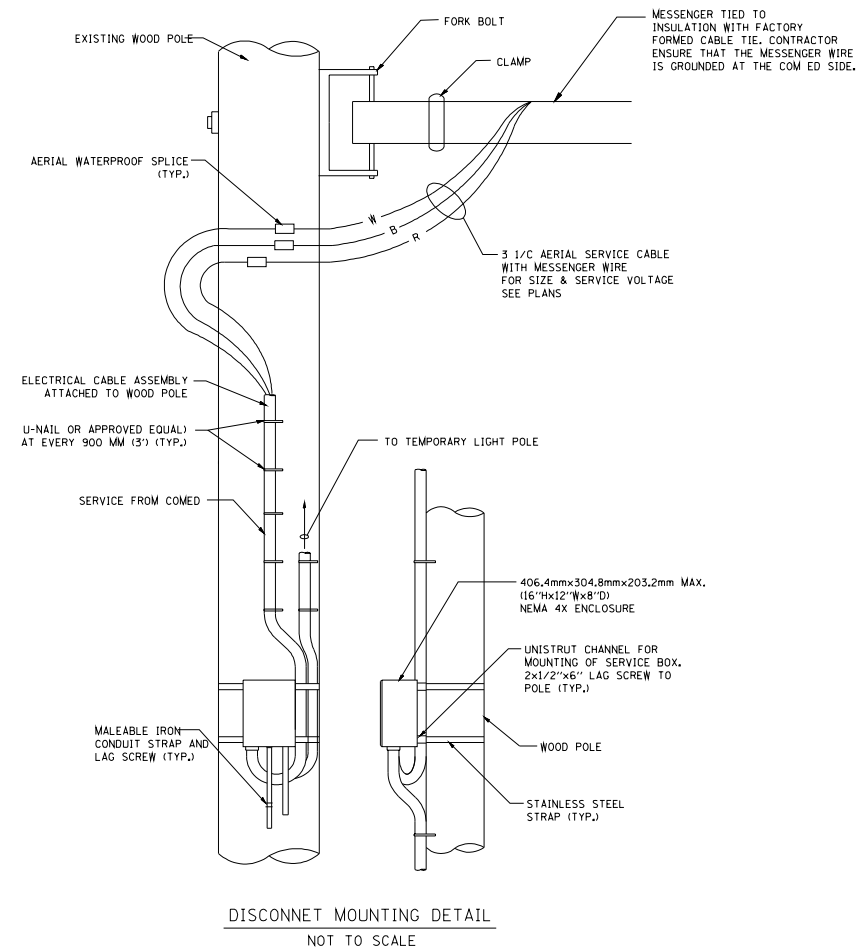
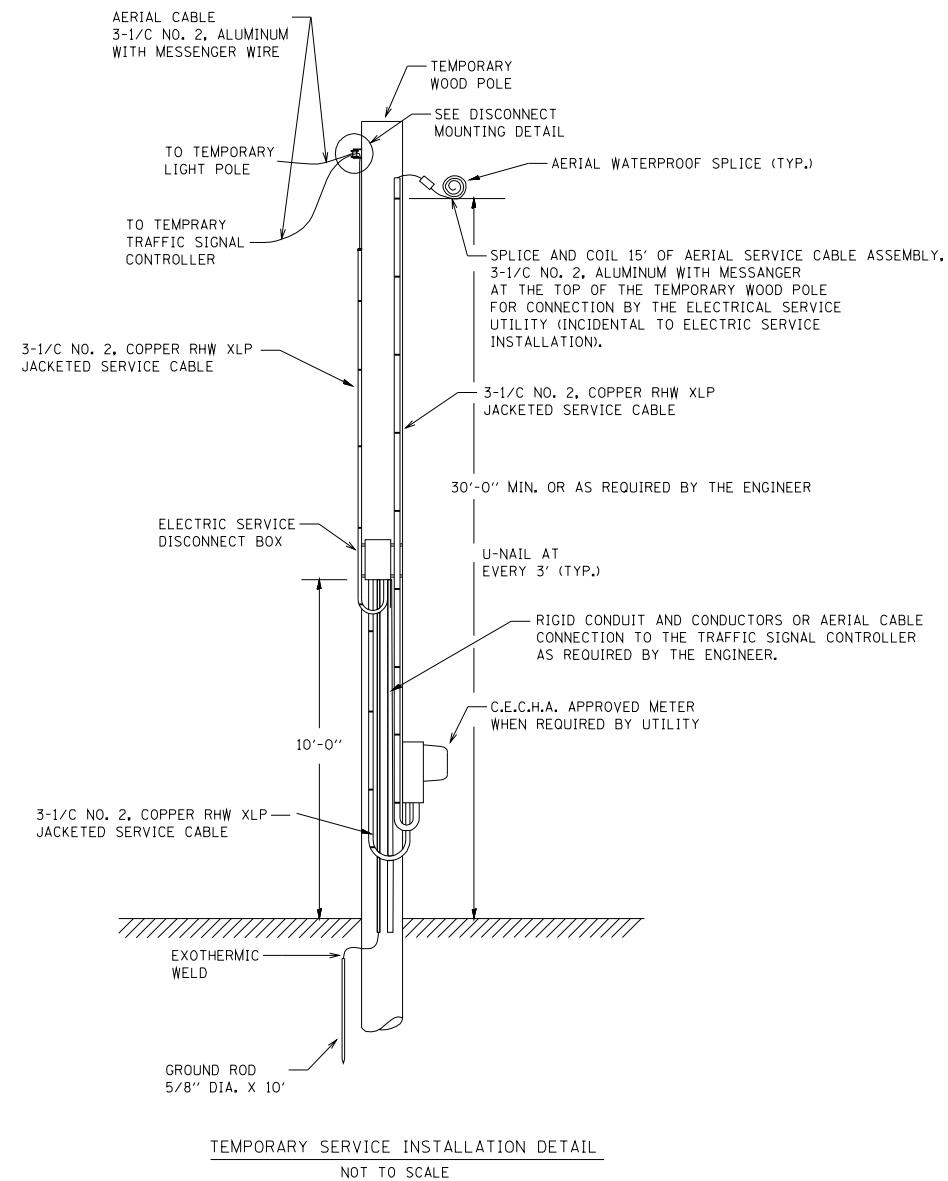
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		DATE - 01/14/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING AND TRAFFIC SIGNALS
FOR SINGLE LANE STAGING

SCALE: NONE SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	52
BE-805		CONTRACT NO. 62A97		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



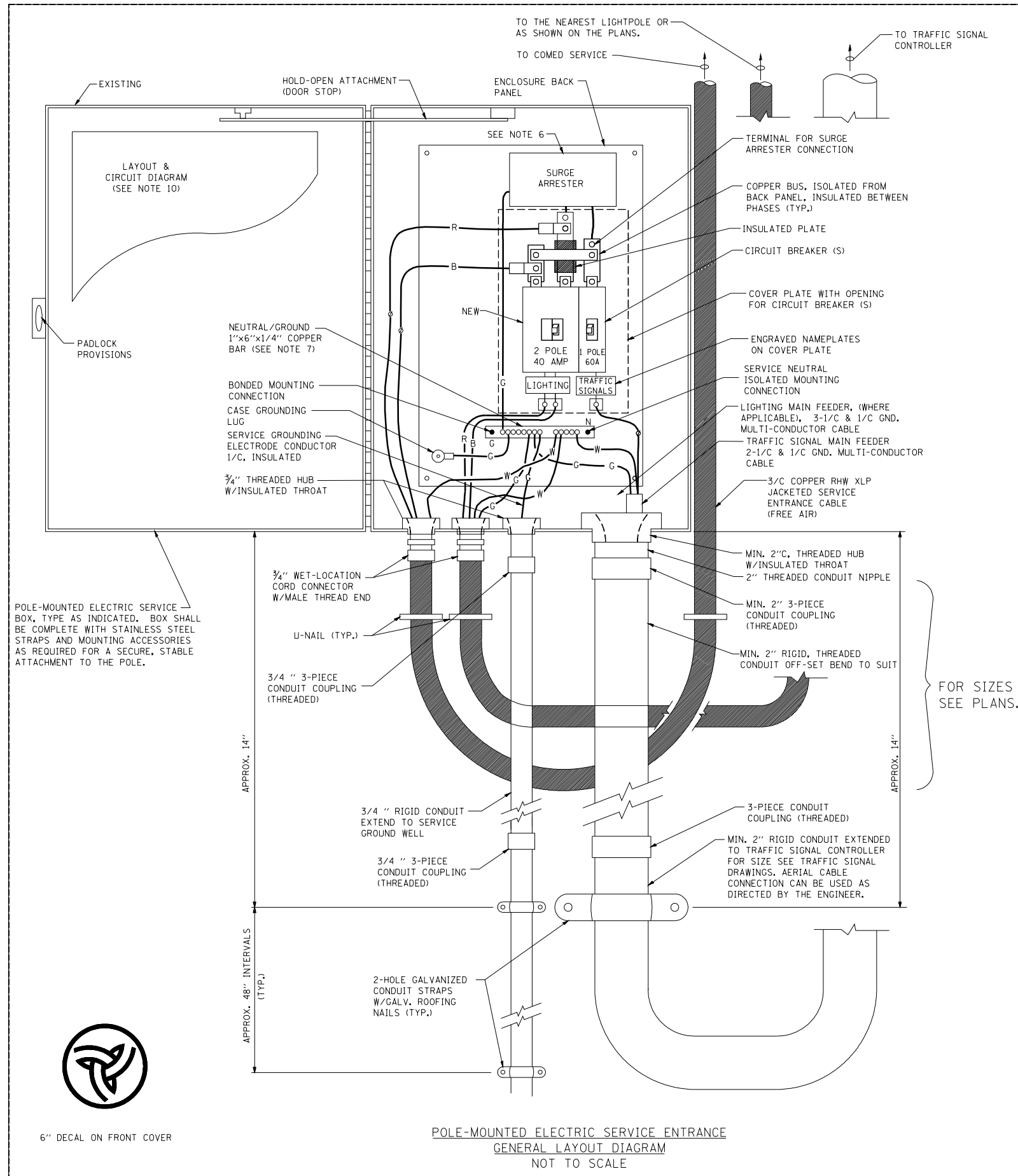
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING AND TRAFFIC SIGNALS
FOR SINGLE LANE STAGING**

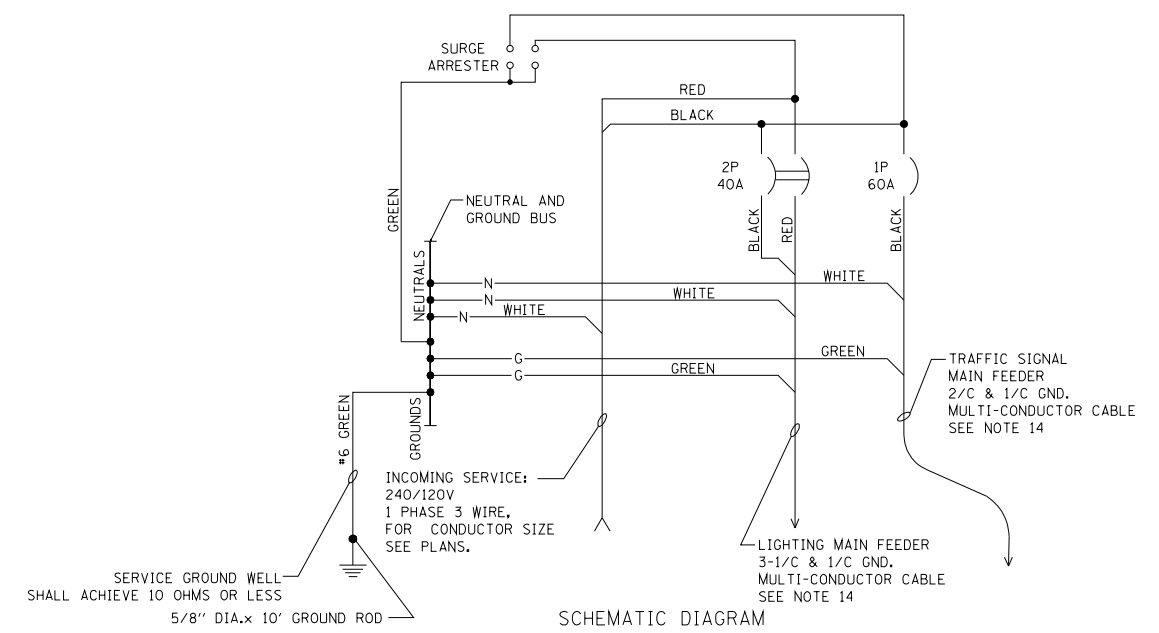
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	53
BE-805		CONTRACT NO. 62A97		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

- ELECTRIC SERVICE SHALL BE OF THE VOLTAGE INDICATED OR DESIGNATED BY THE ENGINEER, AND SERVICE DROP CABLE SHALL BE COMPATIBLE WITH THE SERVICE ACCORDINGLY. SOME INSTALLATIONS MAY CALL FOR SERVICE ENTRANCE EQUIPMENT SUITABLE FOR 3-WIRE SERVICE EVEN THOUGH INITIALLY WIRED FOR 2-WIRE SERVICE.
- THE POLE-MOUNTED ELECTRIC SERVICE BOX SHALL BE CONFIGURED AND FULLY EQUIPPED FOR 240/120V 3W SERVICE, COMPLETE WITH LIGHTING MAIN BREAKER AND TRAFFIC SIGNALS MAIN BREAKER AS REQUIRED.
- THE ELECTRIC SERVICE EQUIPMENT ASSEMBLY SHALL BE UL LISTED AS SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT.
- THE ELECTRIC SERVICE EQUIPMENT ENCLOSURE SHALL BE NEMA 4X STAINLESS STEEL, NOMINALLY 12"W X 16"H X 8"D, WITH A PIANO-HINGED DOOR, STEEL BACK PANEL, FAST-ACTING STAINLESS STEEL ENCLOSURE CLAMPS, PADLOCK PROVISIONS AND DOOR STOP, HOFFMAN CATALOG NO. A-16H120856LP/A-16 P12/A-DSTOPK/C-PMK12, OR APPROVED EQUAL.
- CIRCUIT BREAKERS SHALL BE THERMAL MAGNETIC BOLT-ON TYPE WITH A MINIMUM INTERRUPTING CAPACITY OF 25,000 SYMMETRICAL AMPERES AT 240 VOLTS. THEY SHALL BE LOCKABLE IN THE "OFF" POSITION FOR COMPLIANCE WITH OSHA LOCK-OUT/TAG-OUT REQUIREMENTS. HANDLES SHALL BE TRIP FREE.
- THE SURGE PROTECTOR SHALL BE SUITABLE FOR THE SERVICE VOLTAGE SINGLE PHASE 60HZ AC, WITH A SURGE ENERGY CAPABILITY OF 2160 JOULES OR BETTER AT 8/20 MICRO-SECONDS, RATED -40 TO 60 DEGREES C., WITH LED OPERATING INDICATORS, AND SHALL BE UL LISTED PER UL 1449, CUTLER-HAMMER CM0V230L065XST OR APPROVED EQUAL.
- BUS BARS, CONNECTORS, AND LUGS SHALL BE COPPER, INSULATED AND ISOLATED, AND CONFIGURED TO PREVENT SHORTED CONDITIONS FROM TIGHTENING TERMINATIONS, ETC. THE OVERALL BUS SECTION SHALL BE CONFIGURED BEHIND AN INSULATING BARRIER SHIELD WHICH IS REMOVABLE FOR ACCESS TO CONNECTIONS, OR THE ASSEMBLY SHALL BE A MANUFACTURED SPECIALTY PANELBOARD, CUTLER-HAMMER PRL2A OR APPROVED EQUAL.
- THE COMBINATION GROUND AND NEUTRAL BAR SHALL BE CONFIGURED WITH SEPARATE GROUND AND NEUTRAL SECTIONS AND SPARE TERMINALS AS INDICATED. THE HEADS OF GROUND SCREWS SHALL BE PAINTED GREEN. THE HEADS OF NEUTRAL SCREWS SHALL BE PAINTED WHITE. THE SERVICE NEUTRAL AND SERVICE GROUNDING ELECTRODE CONDUCTOR SHALL BE TERMINATED ADJACENT TO EACH OTHER AT THE DIVIDE BETWEEN THE SECTIONS AND WIRING SHALL BE TERMINATED ONLY UPON THE APPROPRIATE SECTION.
- THE WIRING TERMINALS, INCLUDING THE GROUND/NEUTRAL BAR SHALL BE ARRANGED TO PROVIDE ADEQUATE ROOM FOR PERFORMING FIELD TERMINATIONS.
- A PLASTIC LAMINATED LAYOUT AND CIRCUIT DIAGRAM SHALL BE MECHANICALLY SECURED TO THE INTERIOR SIDE OF THE ENCLOSURE DOOR.
- A 2-COLOR ENGRAVED PLASTIC NAMEPLATE, ATTACHED WITH SCREWS, AND ENGRAVED AS INDICATED, SHALL BE PROVIDED FOR EACH MAIN BREAKER.
- LUGS AND CONNECTORS SHALL BE RATED FOR 75 C CONDUCTOR.
- THE EXACT MOUNTING HEIGHT OF THE BOX SHALL BE FIELD DETERMINED TO AVOID OBSTRUCTIONS AND PUBLIC ACCESS. TYPICAL HEIGHT SHALL BE APPROXIMATELY 10 FEET ABOVE GRADE.



**POLE-MOUNTED ELECTRIC SERVICE ENTRANCE
GENERAL LAYOUT DIAGRAM
NOT TO SCALE**

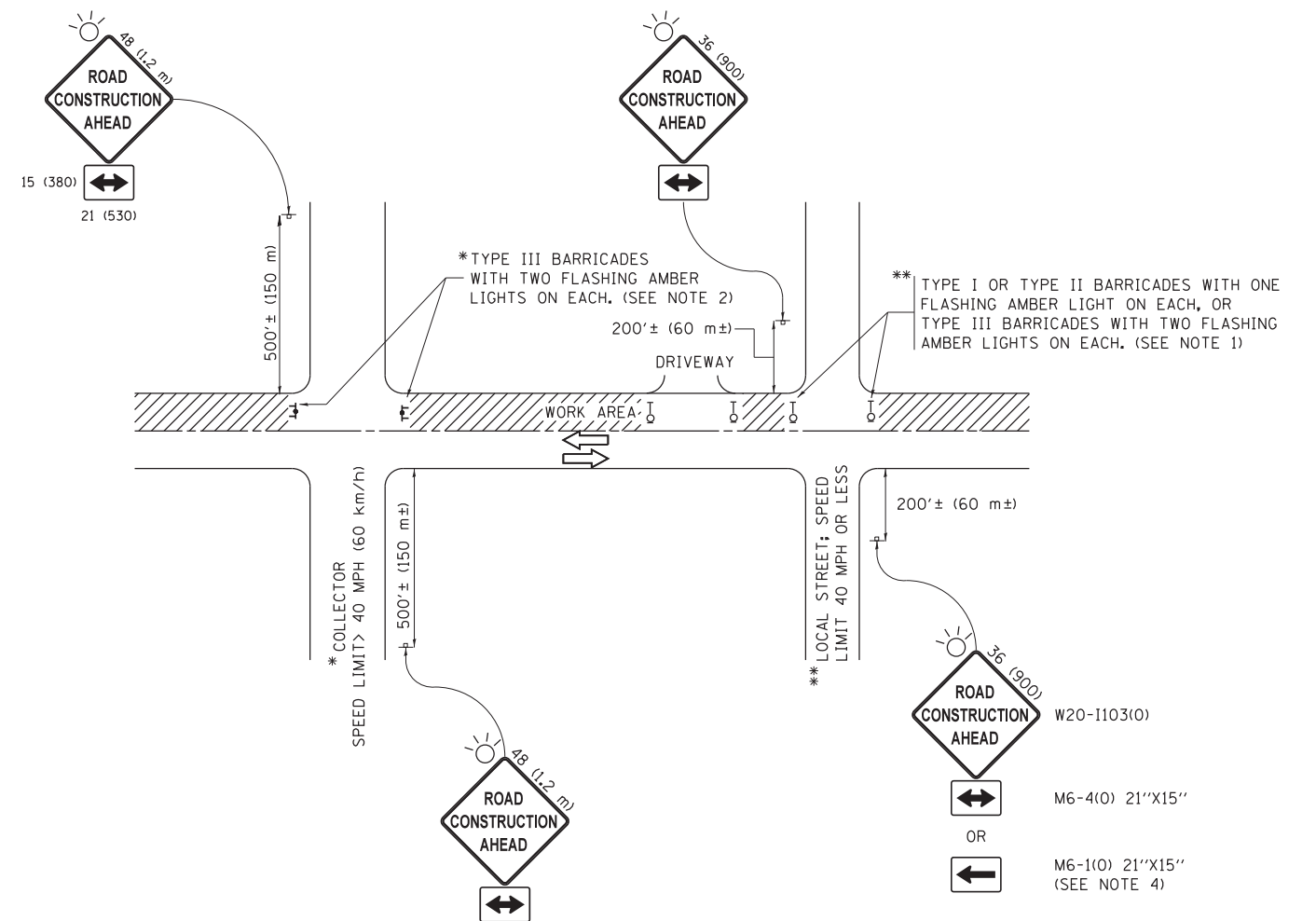
SCHEMATIC DIAGRAM

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PLOT DATE = 1/14/2010		DATE - 01/14/10	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY LIGHTING AND TRAFFIC SIGNALS FOR SINGLE LANE STAGING			
SCALE: NONE	SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	54
BE-805		CONTRACT NO.	62A97	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

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

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

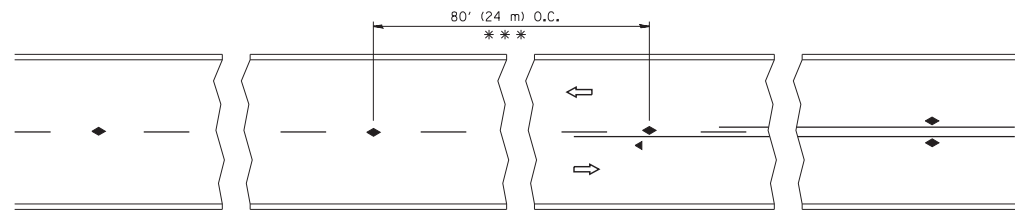
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

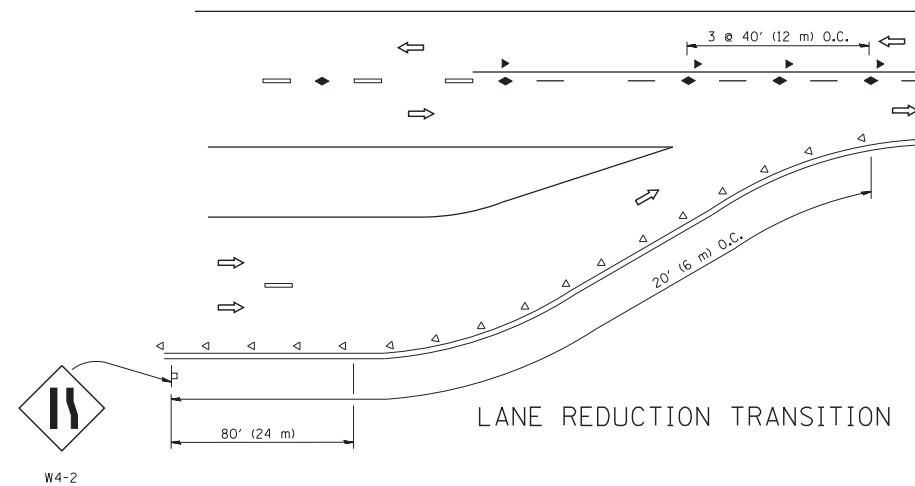
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2015-040B	KANE	67	55
TC-10			CONTRACT NO. 62A97	
ILLINOIS FED. AID PROJECT				

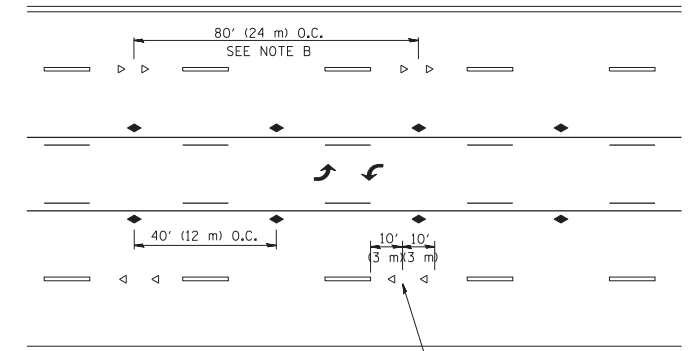


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

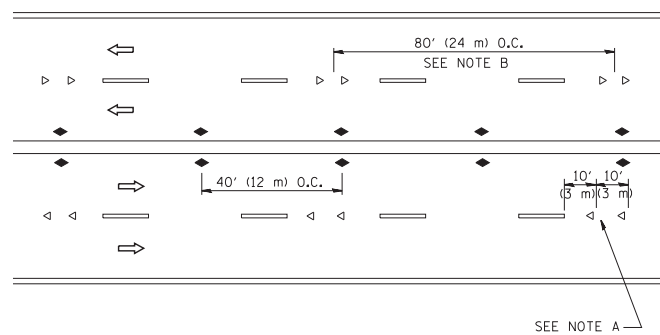
TWO-LANE/TWO-WAY



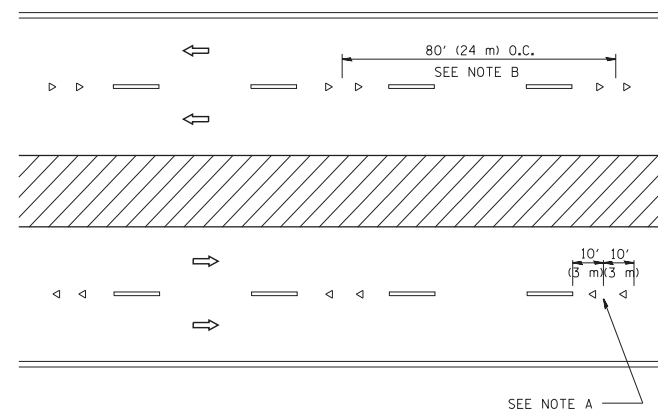
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

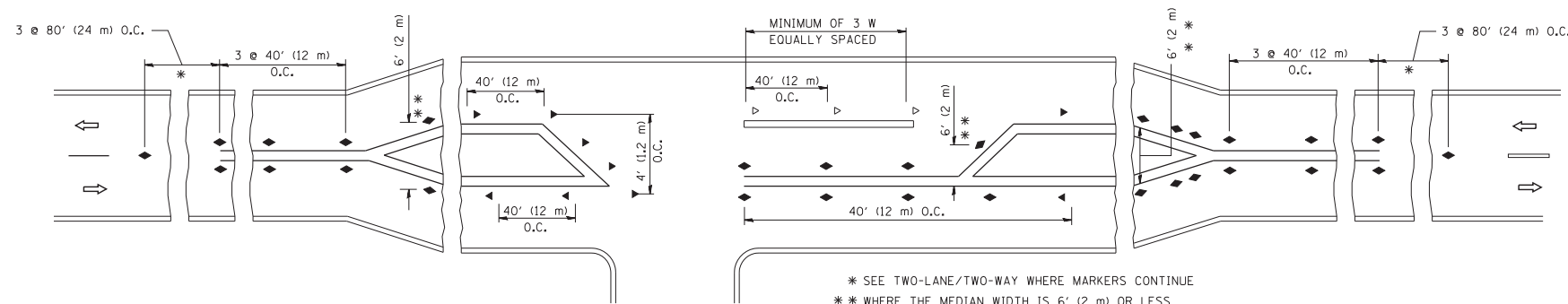
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.



LEFT TURN

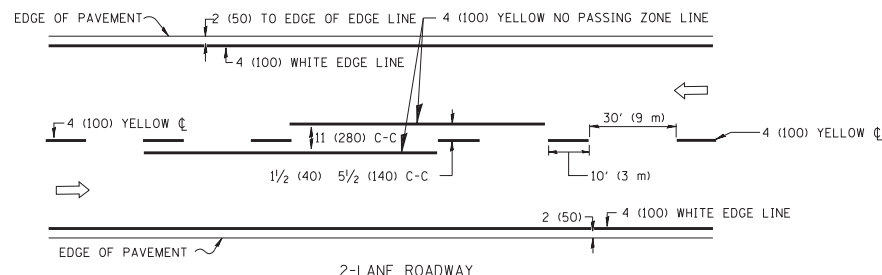
* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

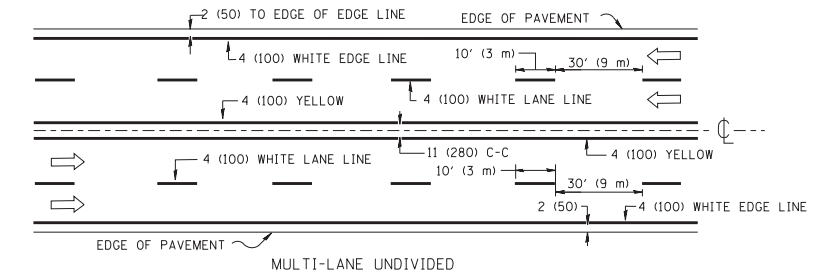
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

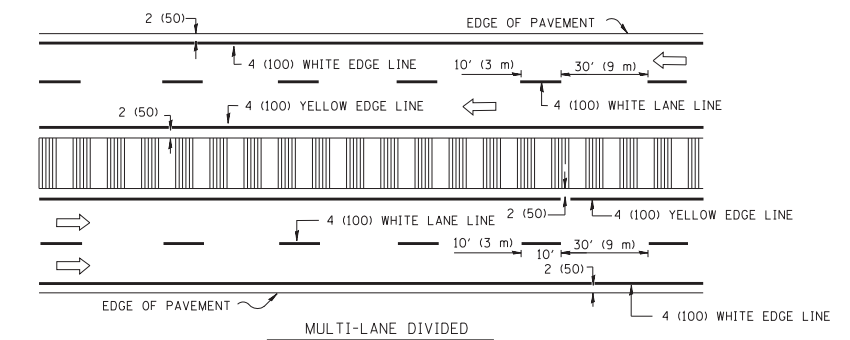
TYPICAL APPLICATIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)					67	56
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 62A97		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						



2-LANE ROADWAY



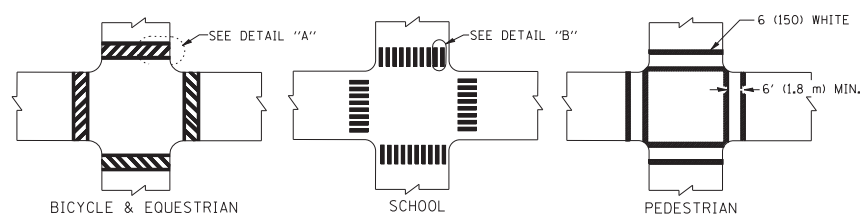
MULTI-LANE UNDIVIDED



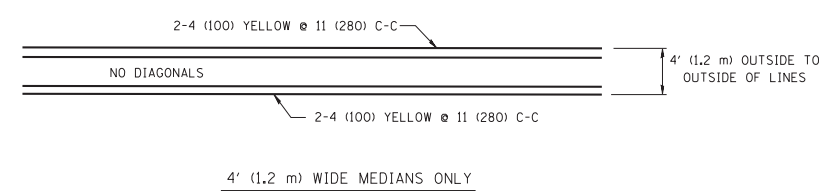
MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN

NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

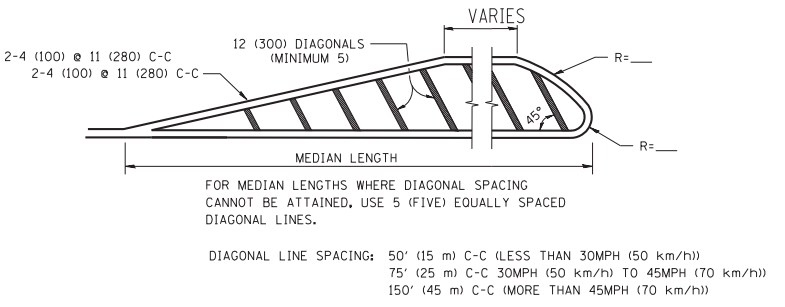
TYPICAL LANE AND EDGE LINE MARKING



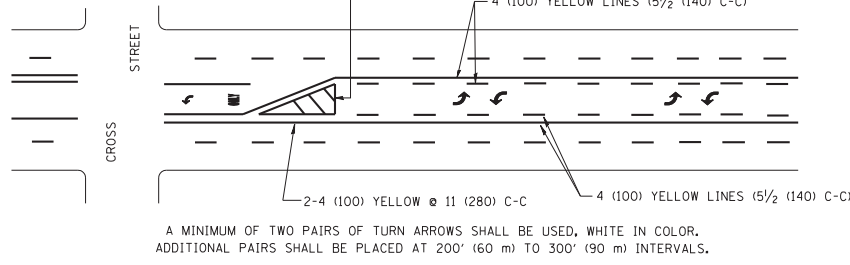
TYPICAL CROSSWALK MARKING



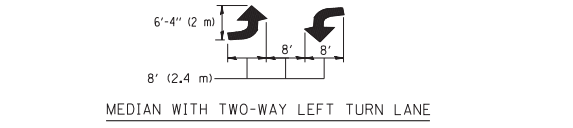
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



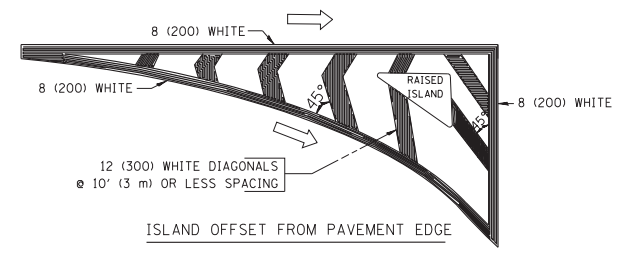
TYPICAL PAINTED MEDIAN MARKING



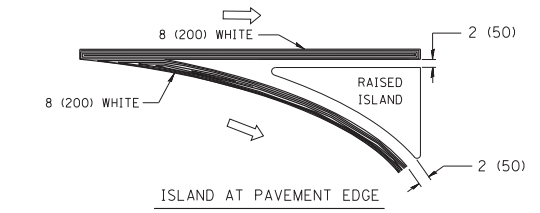
TYPICAL LEFT (OR RIGHT) TURN LANE

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

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION	4 (100)	SOLID	YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE
NO PASSING ZONE LINES: FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	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 MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
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	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	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°	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	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))

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

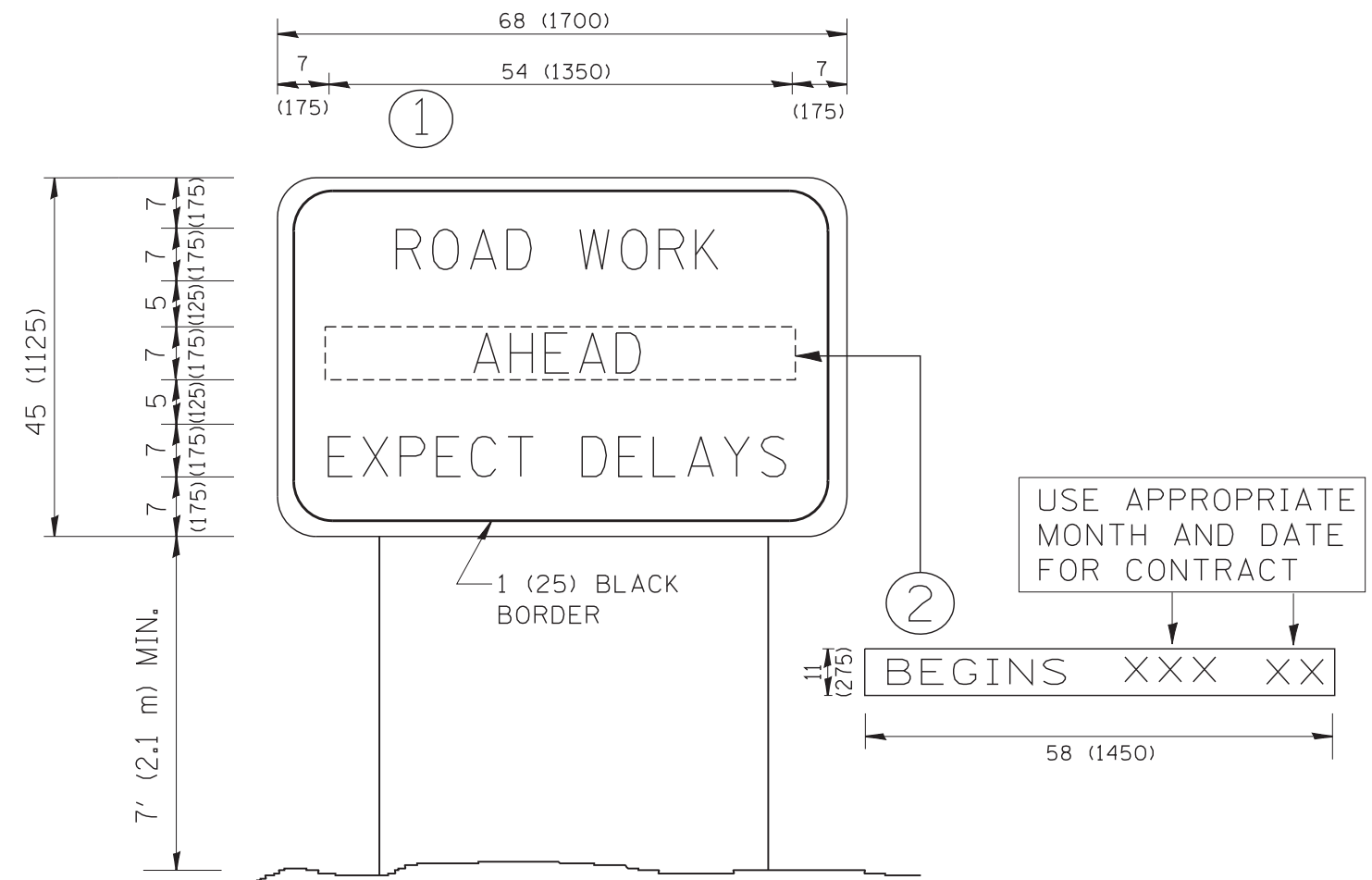
All dimensions are in inches (millimeters) unless otherwise shown.

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	PLOT DATE = 9/9/2009	CHECKED -	REVISED -
		DATE - 03-19-90	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-13		67	57
FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 62A97		
FED. AID PROJECT				



NOTES:

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

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

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	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

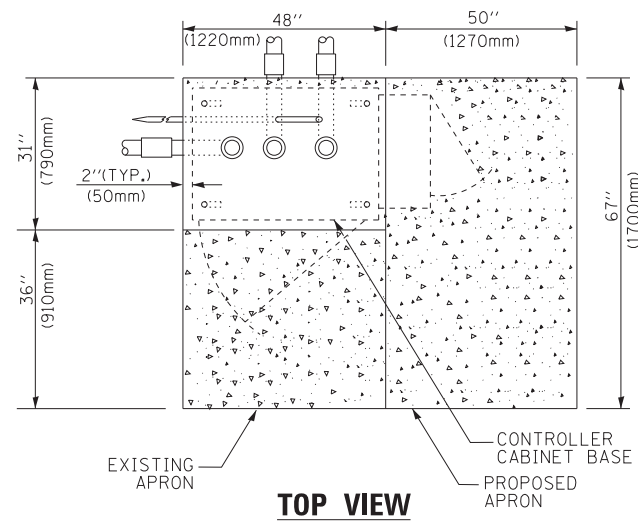
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			67	58
TC-22		CONTRACT NO. 62A97		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

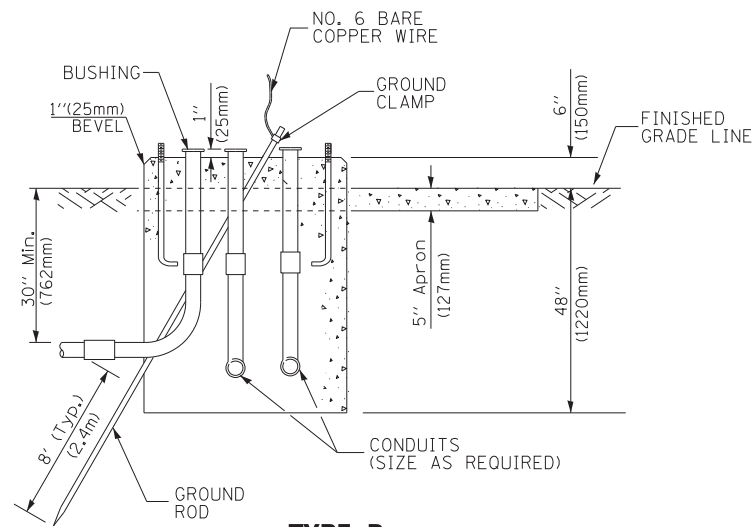
ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE			
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE			
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA			
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED			
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F			
UNINTERRUPTABLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				UNDERGROUND CONDUIT, GALVANIZED STEEL (UC)				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F			
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F			
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM		S	S	STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM		I	IP	ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED			
SIGNAL POST				REMOVE ITEM	R			STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED			
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM	RL			SIGNAL POST AND FOUNDATION TO BE REMOVED			
GUY WIRE				ABANDON ITEM	A			INTERSECTION & SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				QUEUE DETECTOR			
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				PREFORMED QUEUE DETECTOR			
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				"RB" INDICATES REFLECTIVE BACKPLATE				PREFORMED SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL							
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED							
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID							
ILLUMINATED SIGN "NO LEFT TURN"				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER							
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO INTERCONNECT							
DETECTOR LOOP, TYPE I				RADIO REPEATER							
PREFORMED DETECTOR LOOP				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED							
MICROWAVE VEHICLE SENSOR				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)							
VIDEO DETECTION CAMERA											
VIDEO DETECTION ZONE											
PAN, TILT, ZOOM CAMERA											
WIRELESS DETECTOR SENSOR											
WIRELESS ACCESS POINT											

RAILROAD SYMBOLS

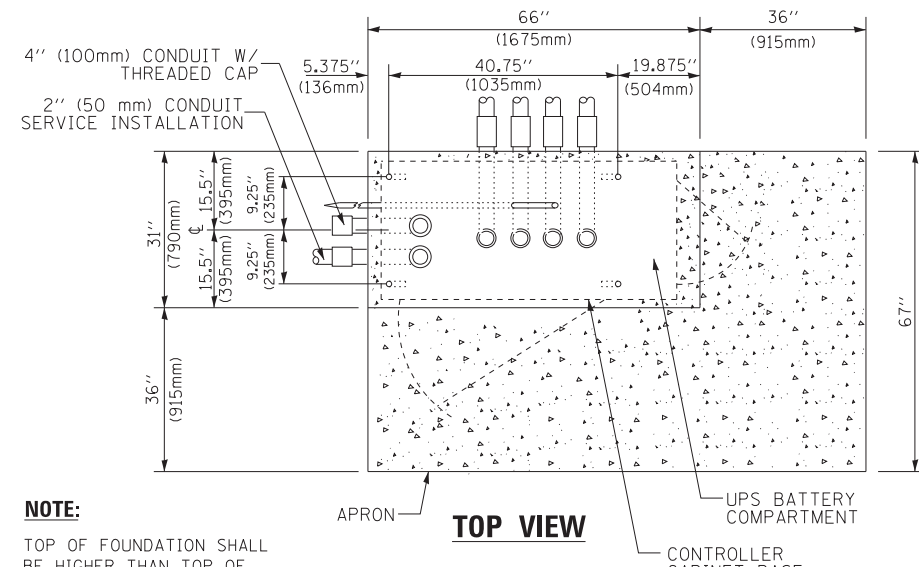
	EXISTING	PROPOSED
RAILROAD CONTROL CABINET		
RAILROAD CANTILEVER MAST ARM		
FLASHING SIGNAL		
CROSSING GATE		
CROSSBUCK		



TOP VIEW



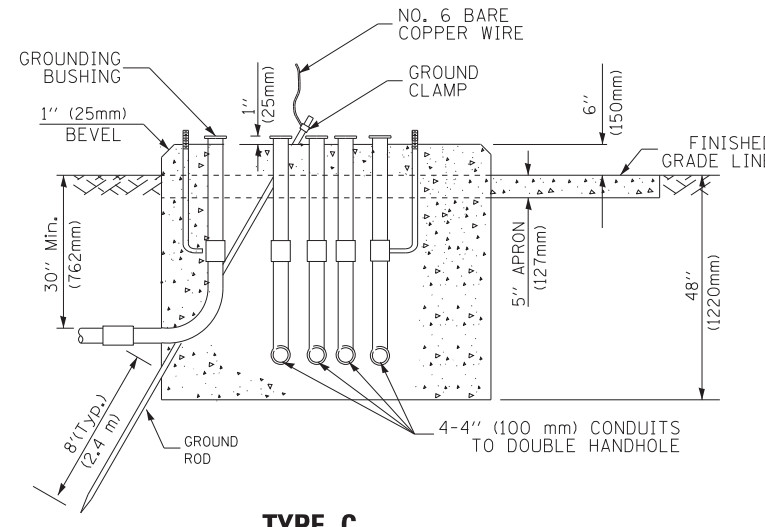
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



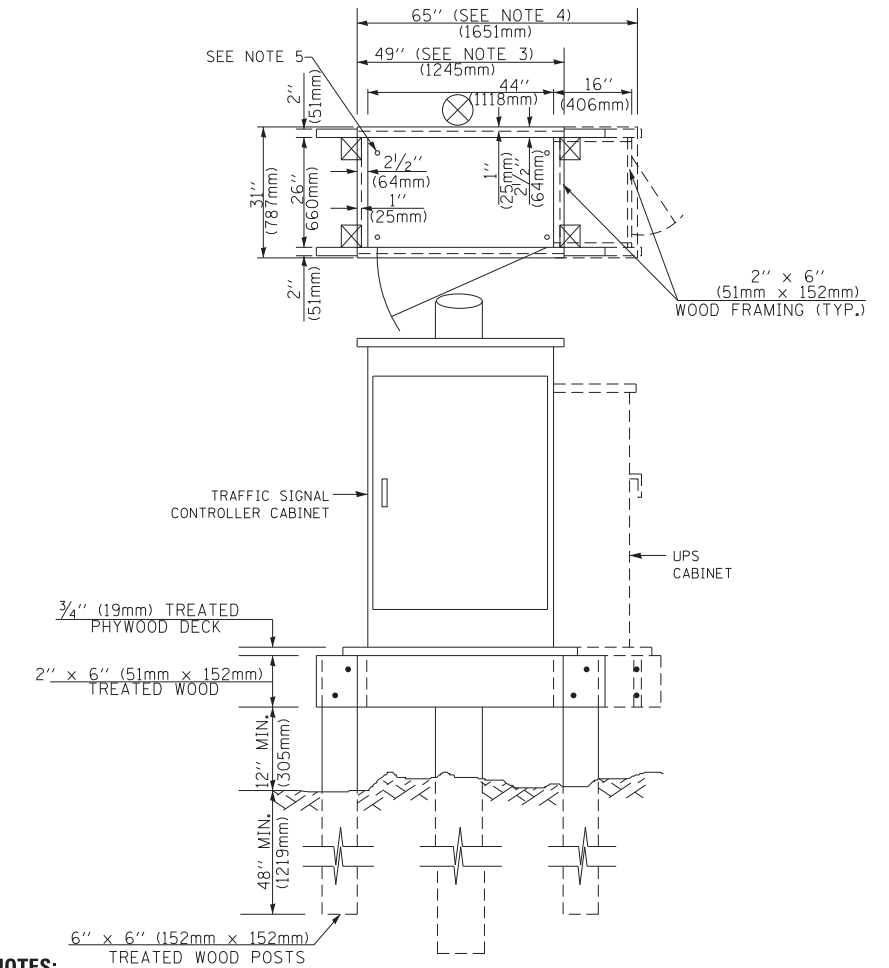
TOP VIEW

NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



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



NOTES:

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

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

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

NOTES:

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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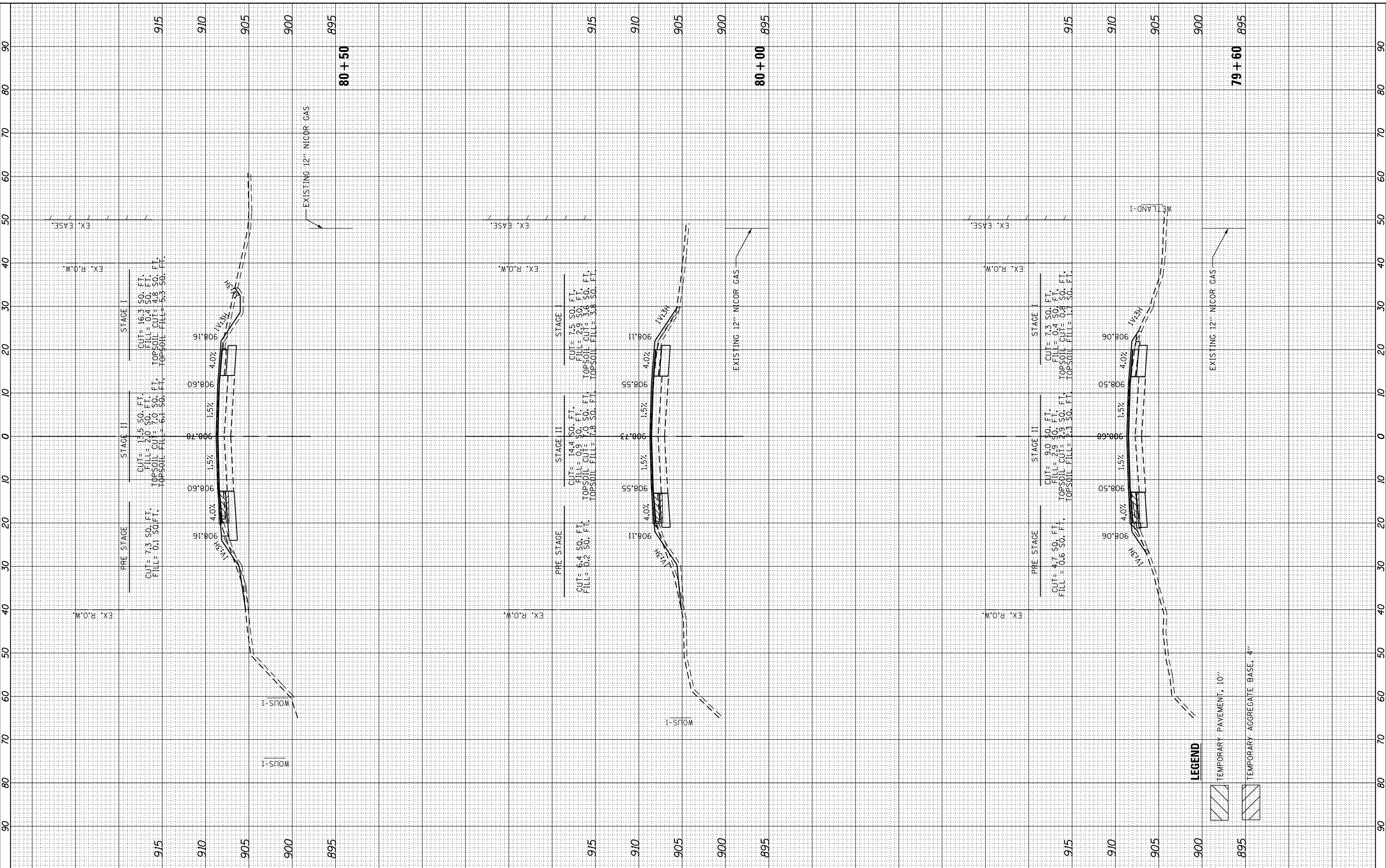
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STANDARD TRAFFIC SIGNAL DESIGN DETAILS		326	2015-040B	KANE	67	60
SCALE: NONE		TS-05		CONTRACT NO. 62A97		
SHEET NO. 5 OF 7 SHEETS		STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

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

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

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PLOT DATE = 10/19/2016	CHECKED - TGM	REVISED -
	DATE - 10/19/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS IL ROUTE 47	
SCALE:	SHEET OF SHEETS STA. 79+60 TO STA. 80+50

F.A.P. RTE. 326	SECTION 2015-0408	COUNTY KANE	TOTAL SHEETS 67	SHEET NO. 62
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				

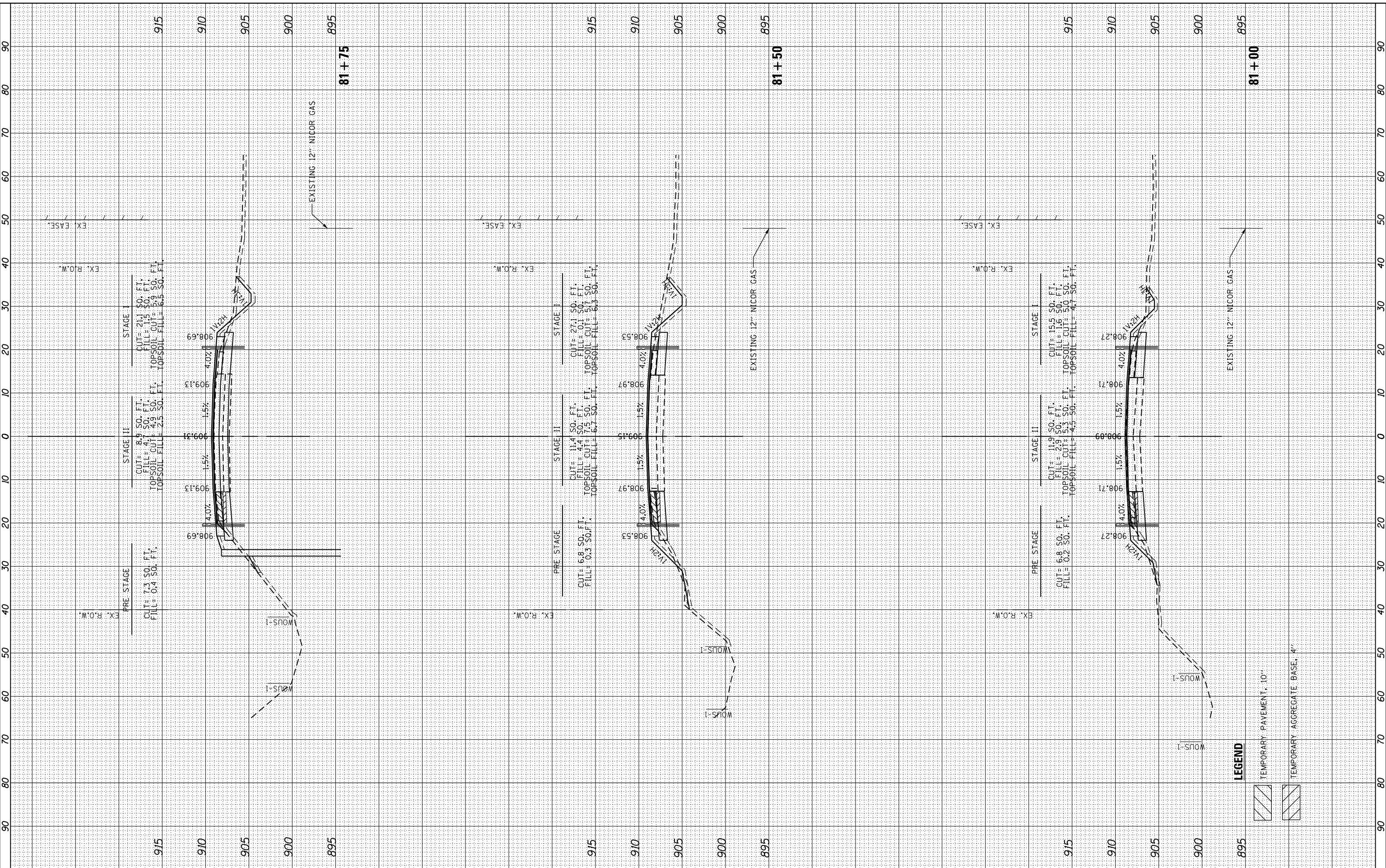
LEGEND

[Hatched Box]	TEMPORARY PAVEMENT, 10"
[Hatched Box]	TEMPORARY AGGREGATE BASE, 4"

FINAL SURVEY	SURVEYED	DATE
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	TEMPLATE	
	NOTE BOOK	
	AREAS CHECKED	

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

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PLOT DATE = 10/19/2016	CHECKED - TGM	REVISIONS
	DATE - 10/19/2016	REVISIONS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS	
IL ROUTE 47	
SCALE:	SHEET OF SHEETS
	STA. 81+00 TO STA. 81+75

F.A.P. RTE. 326	SECTION 2015-0408	COUNTY KANE	TOTAL SHEETS 67	SHEET NO. 63
ILLINOIS FED. AID PROJECT				CONTRACT NO. 62A97

LEGEND

	TEMPORARY PAVEMENT, 10"
	TEMPORARY AGGREGATE BASE, 4"

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

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

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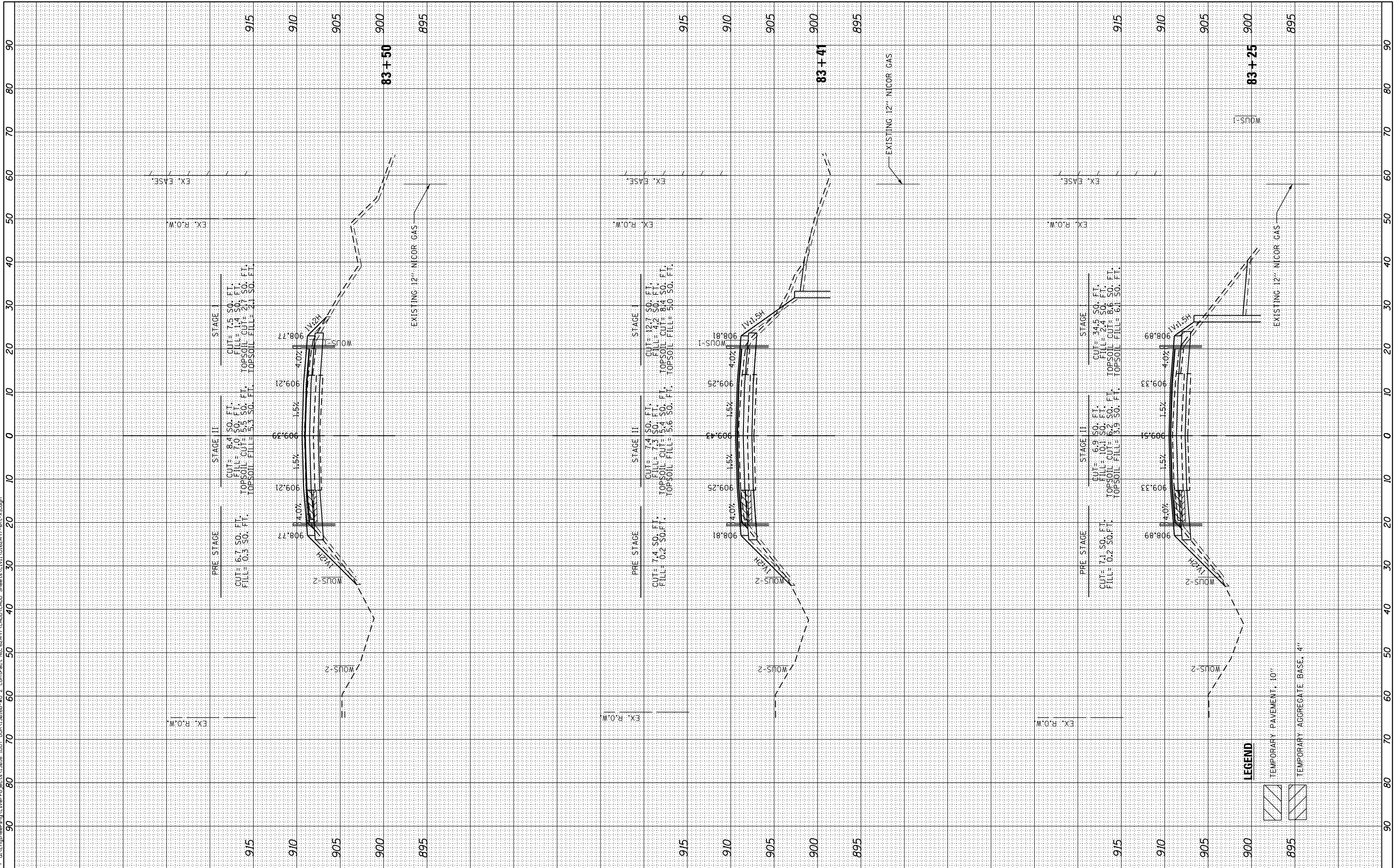
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PLOT DATE = 10/19/2016	CHECKED - TGM	REVISED -
	DATE - 10/19/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL ROUTE 47

SCALE: SHEET OF SHEETS STA. 83+25 TO STA. 83+50

F.A.P. RTE. 326	SECTION 2015-0408	COUNTY KANE	TOTAL SHEETS 67	SHEET NO. 65
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62A97	



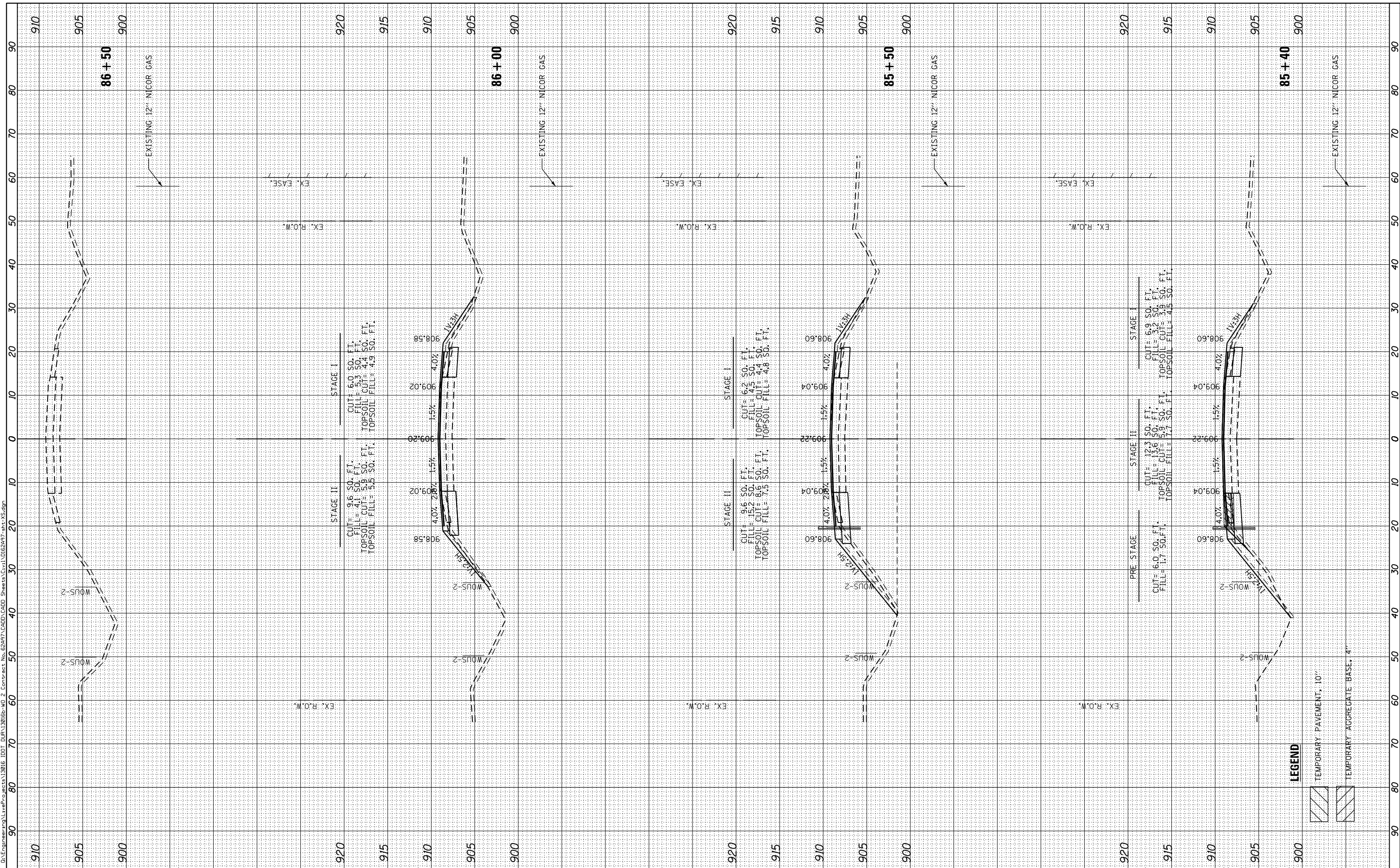
LEGEND

[Symbol]	TEMPORARY PAVEMENT, 10"
[Symbol]	TEMPORARY AGGREGATE BASE, 4"

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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	DATE - 10/19/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
IL ROUTE 47**

SCALE: SHEET OF SHEETS STA. 85+30 TO STA. 86+50

F.A.P. RTE. 326	SECTION 2015-0408	COUNTY KANE	TOTAL SHEETS 67	SHEET NO. 67
CONTRACT NO. 62A97				
ILLINOIS FED. AID PROJECT				