

PROPOSED HIGHWAY PLANS

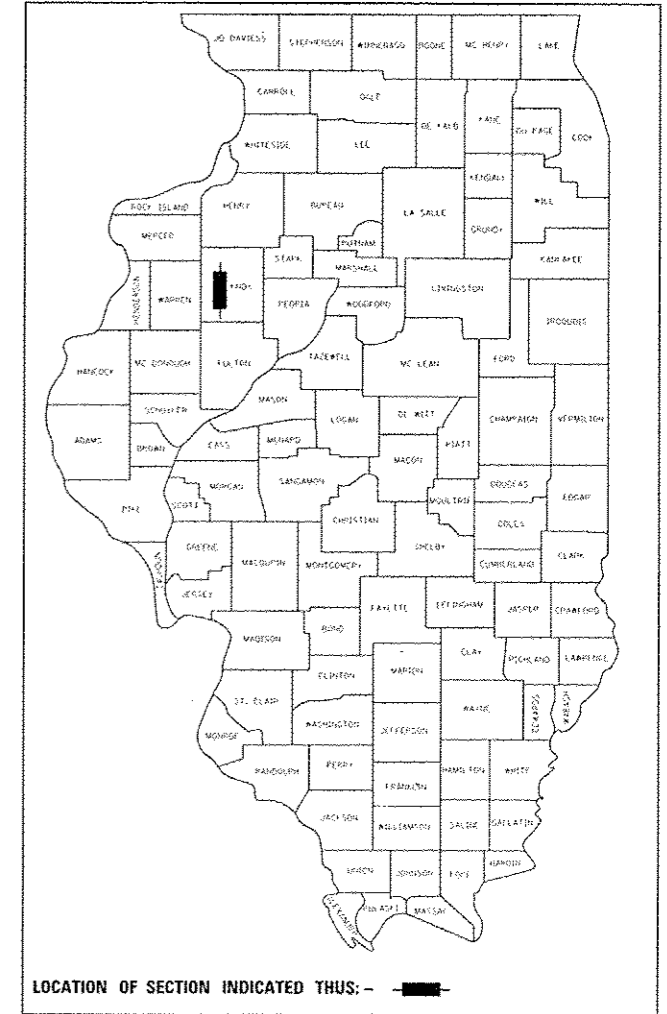
FAI 74 (I-74)
 SECTION (48-27HB-3)BR
 PROJECT ACNHPP-0074 (316)
 WIDENING AND BRIDGE REPLACEMENT
 KNOX COUNTY

C-94-015-93

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	148-27HB-3)BR	KNOX	* 220	1
ILLINOIS			CONTRACT NO. 88502	

* 220+1 = 221 TOTAL SHEETS

D-94-097-93



LOCATION OF SECTION INDICATED THUS: -

LOCATION MAP NOT TO SCALE

PROJECT BEGINS
 STA 8+23.21
 COUNTY HIGHWAY 9

PROJECT ENDS
 STA 30+14.26
 COUNTY HIGHWAY 9

PREPARED BY
EFK Moen, LLC
 Civil Engineering Design

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED August 11, 2015
James A. James
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
Oct 2, 2015
John D. Baranella PE, PC
 ENGINEER OF DESIGN AND ENVIRONMENT
Oct 2, 2015
Omer Osman PE, PC
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER



SIGNATURE: *Paul J. Kronlage*
 DATE SIGNED: 8/5/15

LICENSE EXPIRES: 11/30/2015

THE SEAL SHOWN ABOVE IS VALID FOR THE FOLLOWING SHEETS ON THESE PLANS WHICH WERE PREPARED UNDER MY DIRECTION SHEETS 1-47, 50-90, 106-107, 177-220

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

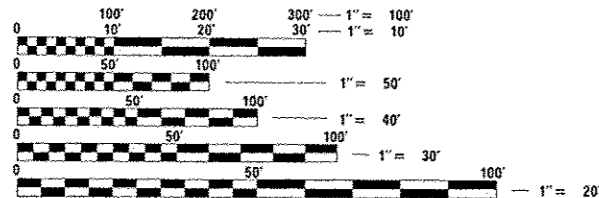
INDEX OF SHEETS

- 1 COVER SHEET
- 2-3 GENERAL NOTES AND COMMITMENTS
- 4-16A SUMMARY OF QUANTITIES
- 17-22 TYPICAL SECTIONS
- 23-31 SCHEDULE OF QUANTITIES
- 32 LINE DIAGRAM, ALIGNMENT, TIES AND BENCHMARKS
- 33-38 ROADWAY PLAN & PROFILE SHEETS
- * 39-73 CONSTRUCTION STAGING AND MAINTENANCE OF TRAFFIC
- 74-75 EROSION CONTROL PLANS
- 76-77 INTERSECTION DETAIL SHEETS
- 78-82 PAVEMENT MARKING PLANS
- 83-90 SIGNING PLANS
- * 91-105 LIGHTING PLANS
- 106-107 REMOVAL PLANS
- 108-145 STRUCTURE PLANS
- 146-154 EXISTING BRIDGE PLANS
- 155-176 DISTRICT CADD STANDARDS
- 177-178 MISCELLANEOUS DETAILS
- 179-220 CROSS SECTIONS

* SHEETS 48-49 PREPARED BY IDOT
 SHEETS 91-105 PREPARED BY IDOT

COUNTY HIGHWAY 9
 FUNCTIONAL CLASSIFICATION:
 MAJOR COLLECTOR (NON-URBAN)
 2013 ADT = 4,650
 2035 ADT = 5,788
 MU% = 5.38%; SU = 8.06%

PROJECT IS LOCATED IN
 KNOX TOWNSHIP IN
 UNINCORPORATED KNOX COUNTY



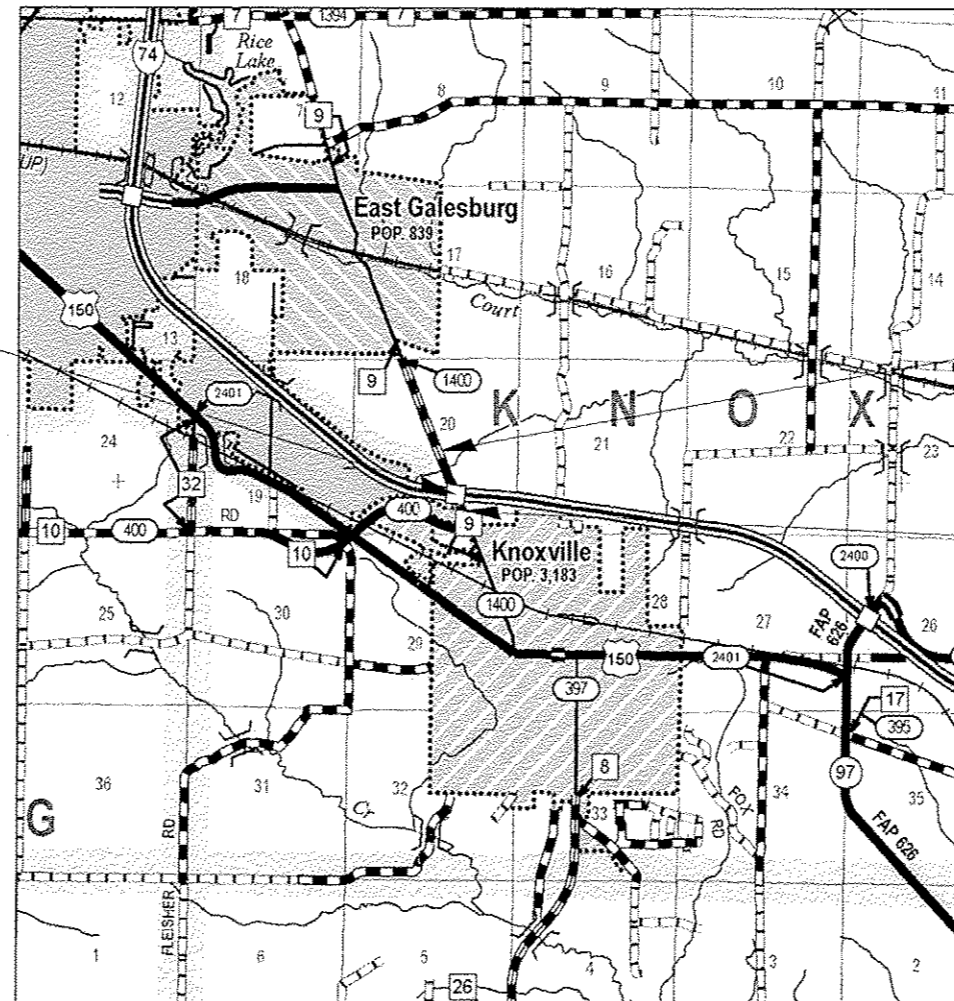
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: CHRISTOPHER MAUSHARD 309-671-3453
 PROJECT MANAGER: MIKE MOHAMED 319-671-3462

CONTRACT NO. 88502

CATALOG NO. 030007-02D



BRIDGE REPLACEMENT
 STA. 20+00.00
 EXIST SN 048-0044 &
 EXIST SN 048-0045
 PROP SN 048-0099

GROSS LENGTH = 2191.05 FT. = 0.415 MILE

NET LENGTH = 2191.05 FT. = 0.415 MILE

GENERAL NOTES

AVAILABILITY OF ELECTRONIC FILES

MICROSTATION AND GEOPAK FILES OF THIS PROJECT WILL BE MADE AVAILABLE TO THE CONTRACTOR AFTER CONTRACT AWARD. IF THERE IS A CONFLICT BETWEEN THE ELECTRONIC FILES AND THE PRINTED CONTRACT PLANS AND DOCUMENTS, THE PRINTED CONTRACT PLANS AND DOCUMENTS SHALL TAKE PRECEDENCE OVER THE ELECTRONIC FILES. THE CONTRACTOR SHALL ACCEPT ALL RISK ASSOCIATED WITH USING THE ELECTRONIC FILES AND SHALL HOLD THE DEPARTMENT HARMLESS FOR ANY ERRORS OR OMISSIONS IN THE ELECTRONIC FILES AND THE DATA CONTAINED THEREIN. ERRORS OR DELAYS RESULTING FROM THE USE OF THE ELECTRONIC FILES BY THE CONTRACTOR SHALL NOT RESULT IN AN EXTENSION OF TIME FOR ANY INTERIM OR FINAL COMPLETION DATE OR SHALL NOT BE CONSIDERED CAUSE FOR ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL NOT USE, SHARE, OR DISTRIBUTE THESE ELECTRONIC FILES EXCEPT FOR THE PURPOSE OF CONSTRUCTING THIS CONTRACT. ANY CLAIMS BY THIRD PARTIES DUE TO USE OR ERRORS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE THIS DISCLAIMER WITH THE TRANSFER OF THESE ELECTRONIC FILES TO ANY OTHER PARTIES AND SHALL INCLUDE APPROPRIATE LANGUAGE BINDING THEM TO SIMILAR RESPONSIBILITIES.

PLAN ELEVATIONS - U.S.G.S. MEAN SEA LEVEL DATUM

ALL ELEVATIONS SHOWN ON THE PLANS ARE ESTABLISHED FROM U.S.G.S. MEAN SEA LEVEL DATUM.

PROPERTY OWNER ACCESS REQUIREMENT

ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.

TEMPORARY MATERIAL REQUIREMENTS - UTILITY AND DRIVEWAY CROSSINGS

INCIDENTAL HOT-MIX ASPHALT SURFACE SHALL BE USED FOR ALL TEMPORARY SIDE ROAD CROSSINGS. AGGREGATE SURFACE COURSE MAY BE USED FOR ALL DRIVEWAY CROSSINGS EXCEPT DURING WINTER SHUTDOWN IN ACCORDANCE WITH ARTICLE 107.09.

WINTER SHUTDOWN RESTRICTIONS ON COLD MILLED PROJECTS

PRIOR TO WINTER SHUTDOWN THE FOLLOWING STEPS SHALL BE TAKEN:

- ALL COLD MILLED SURFACES SHALL BE OVERLAID.
- ALL LANES SHALL BE REOPENED TO TRAFFIC.
- MANHOLES, WHERE APPLICABLE, SHALL BE ADJUSTED TO THE ELEVATION OF THE BINDER COURSE/LEVELING BINDER TO EASE IN PLOWING SNOW, AND RE-ADJUSTED TO FINISHED GRADE IN THE SPRING. THE INITIAL MANHOLE ADJUSTMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE AND ANY RE-ADJUSTMENT, AS DIRECTED BY THE ENGINEER, WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04.
- TEMPORARY OR PERMANENT PAVEMENT MARKING SHALL BE PLACED AS APPLICABLE.

CRITICAL PATH WORK SCHEDULE REQUIREMENT

THE CONTRACTOR WILL SUBMIT TO THE ENGINEER A SATISFACTORY PROGRESS SCHEDULE AND CRITICAL PATH SCHEDULE WHICH SHALL SHOW THE PROPOSED SEQUENCE OF WORK AT THE TIME OF THE PRE-CONSTRUCTION CONFERENCE.

TREE REMOVAL

THE RESIDENT ENGINEER SHALL BE CONTACTED AND PRIOR APPROVAL OBTAINED FOR ANY TREE REMOVAL BEYOND THE LIMITS/LOCATIONS INCLUDED IN THE PLANS.

ENVIRONMENTAL REVIEWS

PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS, (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUND, ETC.) AND/OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE.

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS WILL NEED TO BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTED PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES.

THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

- BDE FORM 2289 (CULTURAL AND NATURAL RESOURCES REVIEW OF BORROW AREAS)
- BDE FORM 2290 (WASTE/USE AREA REVIEW)
- A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA
- COLOR PHOTOGRAPHS DEPICTING THE USE AREA
- BORROW AREA ENTRY AGREEMENT FORM - 04 P10101

PLEASE NOTE THAT A MINIMUM OF FOUR WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED WASTE SITE ENVIRONMENTAL CLEARANCES AND FIVE WEEKS FOR THE REQUIRED BORROW SITE ENVIRONMENTAL CLEARANCES.

SEEDING - SIDESLOPE RIPPING

ALL SLOPES STEEPER THAN 3 TO 1 AND OVER 15 FT. (4.5 M) IN HEIGHT SHALL BE RIPPED. THIS SHALL CONSIST OF RIPPING BETWEEN 18 INCHES TO 24 INCHES (450 MM TO 600 MM) DEEP NORMAL TO THE SLOPE. THE INTERVAL OF RIPPING ALONG THE SLOPE SHALL BE 12 FT. (3.6 M). THIS WORK SHALL BE DONE AFTER THE SEED BED HAS BEEN PREPARED BUT BEFORE ANY FERTILIZER OR SEED HAS BEEN APPLIED. THE FERTILIZER AND SEED SHALL BE APPLIED WITHIN A 24-HOUR PERIOD AFTER THE RIPPING HAS BEEN DONE. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE VARIOUS ITEMS OF SEEDING INVOLVED.

PAVEMENT STATION NUMBERS & PLACEMENT

THE CONTRACTOR SHALL PROVIDE LABOR AND MATERIALS REQUIRED TO IMPRINT PAVEMENT STATION NUMBERS IN THE FINISHED SURFACE OF THE PAVEMENT AND/OR OVERLAY. THE NUMBERS SHALL BE APPROXIMATELY 3/4 INCH (20 MM) WIDE, 5 INCHES (125 MM) HIGH AND 5/8 INCH (15 MM) DEEP.

THE PAVEMENT STATION NUMBERS SHALL BE INSTALLED AS SPECIFIED HEREIN:

INTERVAL - 200 FEET (ENGLISH STATIONING) OR 100 METERS (METRIC STATIONING)

BOTTOM OF NUMBERS - 6 INCHES (150 MM) FROM THE INSIDE EDGE OF THE PAVEMENT MARKING

LOCATION:

- 2, 3, & 5 LANE PAVEMENTS - RIGHT EDGE OF PAVEMENT IN DIRECTION OF INCREASING STATIONS
- MULTI-LANE DIVIDED ROADWAYS - OUTSIDE EDGE OF PAVEMENT IN BOTH DIRECTIONS
- RAMPS - ALONG BASELINE EDGE OF PAVEMENT

POSITION - STATIONS SHALL BE PLACED SO THEY CAN BE READ FROM THE ADJACENT SHOULDER

FORMAT - ENGLISH (METRIC) PAVEMENT STATIONS SHALL USE THIS FORMAT "XXX (XX+X00)", WHERE X REPRESENTS THE PAVEMENT STATION

THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE ASSOCIATED PAVEMENT AND/OR OVERLAY PAY ITEMS.

BUTT JOINT CUTTING TIME RESTRICTION

BUTT JOINTS SHALL NOT BE MILLED MORE THAN THREE (3) DAYS PRIOR TO PLACEMENT OF THE HMA SURFACE COURSE.

PAVING SURFACE COURSE

CONTINUOUS PAVING OPERATIONS ON THE MAIN ROADWAY SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION OF THE HOT-MIX ASPHALT SURFACE. NO INTERRUPTIONS FOR SIDE ROADS, ENTRANCES, TURN LANES, ETC. WILL BE ALLOWED.

REFLECTIVE CRACK CONTROL PLACEMENT

REFLECTIVE CRACK CONTROL TREATMENT SHALL BE PLACED ON THE LEVELING BINDER.

CROSSING EXISTING STRUCTURES WITH EQUIPMENT

THE FOLLOWING STRUCTURES SN 048-0044 AND SN 048-0045 MAY BE CROSSED WITH LOADED MTD AND UNLOADED MTD.

ORDERING LENGTH CONFIRMATION - DRAINAGE ITEMS

THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER IN REGARD TO THE EXACT LENGTH OF THE BOX/PIPE CULVERTS, STORM SEWERS, AND/OR PIPE DRAINS REQUIRED PRIOR TO ORDERING THESE ITEMS.

EXISTING DRAINAGE PIPES CONNECTED TO NEW STRUCTURES

IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS, THE CONNECTING OF EXISTING DRAIN TILES, PIPE CULVERTS, OR STORM SEWERS TO THE PROPOSED DRAINAGE SYSTEM STRUCTURES WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE PAY ITEMS PROVIDED.

MEDIAN AND ISLAND NOSES

WHEN CONSTRUCTING MEDIAN AND ISLAND NOSES THE FOLLOWING CRITERIA SHOULD BE FOLLOWED:

- BARRIER CURB SHALL BE USED TO CONSTRUCT NOSES WHEN THE MEDIAN OR ISLAND SURROUNDS A MAST ARM OR OTHER NON-BREAKAWAY FOUNDATION.
- RAMPED NOSES SHALL BE USED ON MEDIANS OR ISLANDS WITH BREAKAWAY POSTS.

SIGN POST HOLES

VERTICAL HOLES SHALL BE CONSTRUCTED IN THE ISLAND PAVEMENT AND/OR CONCRETE MEDIAN OF THE TYPE SPECIFIED OR CONCRETE MEDIAN SURFACE 4 INCHES (100 MM). THE HOLES SHALL BE 24 INCHES (600 MM) IN DIAMETER OR 24 INCHES (600 MM) SQUARE AND THEY SHALL BE FREE OF ANY OBSTRUCTION, EXCEPT EARTH, FOR A DEPTH OF 5 FEET (1.5 M) AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. ANY HOLES NOT USED FOR THE PLACEMENT OF SIGNS SHALL BE FILLED AND COMPACTED FLUSH WITH THE TOP OF THE ISLAND PAVEMENT. CONCRETE MEDIAN OF THE TYPES SPECIFIED, OR CONCRETE MEDIAN SURFACE 4 INCHES (100 MM). THE TOP 3 INCHES (75 MM) OF SAID COMPACTED FILL SHALL CONSIST OF A HOT-MIX ASPHALT MIXTURE. ALL HOLES IN WHICH THE SIGN POSTS ARE INSTALLED AT THE TIME OF THIS CONTRACT SHALL BE SIMILARLY FILLED.

THIS WORK, INCLUDING ANY REQUIRED PAVEMENT REMOVAL NECESSARY TO CONSTRUCT THE SIGN POST HOLES, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE FOOT (SQUARE METER) FOR ISLAND PAVEMENT AND/OR CONCRETE MEDIAN OF THE TYPE SPECIFIED, OR CONCRETE MEDIAN SURFACE. 4 INCHES (100 MM).

RIGHT-OF-WAY MARKERS

WHEN INSTALLING RIGHT-OF-WAY MAKERS, CARE SHALL BE TAKEN TO NOT DISTURB ANY EXISTING PROPERTY/RIGHT-OF-WAY PINS. IF A PROPERTY/RIGHT-OF-WAY PIN IS FOUND AT THE LOCATION OF A PROPOSED RIGHT-OF-WAY MARKER, THE MARKER SHALL BE PLACED ONE (1) FOOT IN FRONT OF THE PIN.

ENGINEER'S FIELD OFFICE

ADD THE FOLLOWING SENTENCE TO THE END OF THE PARAGRAPH 670.02 (i) AND 670.04 (a): ALL OF THE TELEPHONE LINES PROVIDED SHALL HAVE UNPUBLISHED NUMBERS.

COMMITMENTS

COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.

NO COMMITMENTS HAVE BEEN INCURRED FOR THIS PROJECT.

PROJECT SPECIFIC GENERAL NOTES

THE LOCATION OF THE RIGHT OF WAY LINES SHOWN ON THESE PLANS WAS DETERMINED USING RIGHT OF WAY PLANS PROVIDED BY IDOT AND FROM THE LOCATIONS OF RIGHT OF WAY MARKERS FOUND IN THE FIELD. THE RIGHT OF WAY LINES WERE NOT DETERMINED BY ACTUAL BOUNDARY OR RIGHT OF WAY SURVEYS.

ALL PERMANENT SURVEY MARKERS THAT ARE PLACED WITHIN THE LIMITS OF THE PAVEMENT SHALL BE INSTALLED 1/4" BELOW THE FINISH GRADE OF THE PAVEMENT.

FOR THE DISK SET ON THE BRIDGE AT STA 18+60, 31.8 FT. RIGHT, THE ELEVATION SHALL BE RUN TO THE DISK, VERIFIED, STAMPED AND A MEMO SENT TO THE CHIEF OF SURVEYS/PLATS DETAILING THE LOCATION OF THE DISK AND THE ELEVATION.

CONSTRUCTION SEQUENCING

THE PROPOSED CONSTRUCTION SEQUENCE IS ONLY ONE MEANS FOR CONSTRUCTING THIS PROJECT THE CONTRACTOR MAY PROPOSE ALTERNATE MEANS, METHODS, AND CONSTRUCTION SEQUENCE TO PERFORM THIS WORK. THE ALTERNATE MEANS SHALL BE ACCEPTABLE TO THE ENGINEER.

STATUS OF UTILITIES

THE FOLLOWING IS A LIST OF UTILITIES WITH POTENTIAL FACILITY CONFLICT WITHIN THE LIMIT OF THE PROJECT:

- BUCKEYE PIPELINE - NO CONFLICT
- COMCAST - NO CONFLICT
- GALESBURG SANITARY DISTRICT - NO CONFLICT
- CITY OF GALESBURG - NO CONFLICT
- CENTURY LINK - NO CONFLICT
- AMEREN ILLINOIS (GAS & ELECTRIC) - NO CONFLICT
- PEC BANDWIDTH - NO CONFLICT

FILE NAME : 111307B IDOT 1-74 CH-9\NOG\Design\Final\PlotSheet\002-003-0480502-shr-germane.dwg	USER NAME : jrd	DESIGNED - JRD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMITMENTS, GENERAL NOTES, ENVIRONMENTAL REVIEWS, STATUS OF UTILITIES	F.A.I. RTE. : 74	SECTION : 148-2THB-3BR	COUNTY : KNOX	TOTAL SHEETS : 220	SHEET NO. : 2	
MODEL NAME :	PLLOT SCALE : 100.0000 / 1in	CHECKED - SLO	REVISED -			SCALE: N/A	SHEET 1 OF 2 SHEETS	CONTRACT NO. 88502		ILLINOIS FED. AID PROJECT	
	PLLOT DATE : 8/14/2015	DATE : 7/31/2015	REVISED -								

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HMA MIXTURE REQUIREMENT TABLE:

MIXTURE USES:	POLYMERIZED SURFACE NTO (L.S'9)	POLYMERIZED LEVELING BINDER RAMPS & CH-9 (NORTH END)	HMA SHOULDER 8" (SURFACE LIFT) & 1 1/2" SURFACE CH-9 (NORTH END)	HMA SHOULDER 8" (LOWER LIFTS) & HMA BASE COURSE WIEDNING & 2 1/2" BUILDUP (NORTH END)
PG:	SBS OR SBR 76-22	SBS OR SBR 76-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N=70	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50
MIXTURE COMPOSITIONS: (MIXTURE GRADATIONS)	IL-9.5	IL-4.75	IL-9.5	IL-19.0
FRICION AGGREGATE:	MIX "E"	N.A.	MIX "C"	N.A.
QUALITY MANAGEMENT PROGRAM:	OC/OA	OC/OA	OC/OA	OC/OA

LIST OF STANDARDS

000001-06	482001-02	602601-03	631011-09	701001-02	701306-03	701451-03	731001-01	836001-02
001001-02	515001-03	602701-02	631031-13	701006-05	701321-14	701456-03	780001-05	838001
001006	542201-02	604001-04	635001-01	701011-04	701326-04	701502-06	782001	
280001-07	542301-03	606001-06	635006-03	701101-04	701400-08	701901-04	812001	
353001-04	542401-01	606006-02	635011-02	701106-02	701401-09	704001-07	821101-01	
420001-08	601001-04	606301-04	642001-02	701201-04	701402-10	720001-01	825011-03	
420401-11	601101-01	630001-10	643001-02	701206-03	701411-09	720006-04	830021-02	
420701-02	602401-03	630301-06	665001-02	701301-04	701446-06	728001-01	830026	

IDOT DISTRICT 4 STANDARDS *

205001-D4	406101-D4	420401-D4	606201-D4	606301-D4	635101-D4	667106-D4	780001-D4
281001-D4	406301-D4	440001-D4	606206-D4	630101-D4	667101-D4	701331-D4	

* INCLUDED AS SHEETS 155-176.

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FILE NAME :	USER NAME :	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMITMENTS, GENERAL NOTES, ENVIRONMENTAL REVIEWS, STATUS OF UTILITIES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Y:\13078 1007 1-74 CH-9\00M\Design\Final\Plotsheets\002-003-D400502-shr-gennotes.dwg	JJD	DRAWN -	REVISED -			74	148-27HB-31BR	KNOX	220	3	
		CHECKED -	REVISED -			SCALE: N/A		SHEET 2 OF 2 SHEETS		CONTRACT NO. 88502	
#MODELNAME:	PLT DATE :	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

90% FED / 10% STATE

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY 0004 RURAL	BRIDGE 0011 RURAL
20100500	TREE REMOVAL, ACRES	ACRE	1	1	
20200100	EARTH EXCAVATION	CU YD	31418	31418	
20400800	FURNISHED EXCAVATION	CU YD	19265	19265	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	28863	28863	
25000210	SEEDING, CLASS 2A	ACRE	6.25	6.25	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	563	563	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	563	563	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	563	563	
25000750	MOWING	ACRE	6.25	6.25	
25100115	MULCH, METHOD 2	ACRE	6.25	6.25	
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	7508	7508	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1250	1250	
28000305	TEMPORARY DITCH CHECKS	FOOT	506	506	
28000400	PERIMETER EROSION BARRIER	FOOT	2016	2016	

14

* SPECIALTY ITEM
 Non-Part. (100% STATE)

EFK Moen, LLC
 Civil Engineering Design

FILE NAME *	USER NAME * jg	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1:\13870 100T 1-74 CH-9\DDM\Design\Final\Plotsheets\004-016-0488502-shc-900.dgn		DRAWN - BJC	REVISED -		SCALE: N.A.	SHEET 1	OF 14	SHEETS	74	148-278B-3)6R	KNOX	220	4
PLOT SCALE * 100.0000 / 1"		CHECKED - SLD	REVISED -								CONTRACT NO. 88502		
#MODELNAME		DATE - 8/14/2015	REVISED -						ILLINOIS FED. AID PROJECT				

90% FED / 10% STATE

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY 0004 RURAL	BRIDGE 0011 RURAL
28000500	INLET AND PIPE PROTECTION	EACH	14	14	
28100705	STONE DUMPED RIPRAP, CLASS A3	SQ YD	289		289
28100707	STONE DUMPED RIPRAP, CLASS A4	SQ YD	387	387	
28100709	STONE DUMPED RIPRAP, CLASS A5	SQ YD	541	541	
28200200	FILTER FABRIC	SQ YD	1287	928	359
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	11199	11199	
31101900	SUBBASE GRANULAR MATERIAL, TYPE C	TON	1494	1494	
31200100	STABILIZED SUBBASE 4"	SQ YD	9591	9591	
35301100	HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE BASE COURSE 8"	SQ YD	6800	6800	
35400300	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8"	SQ YD	90	90	
35600650	HOT-MIX ASPHALT BASE COURSE WIDENING, 4"	SQ YD	711	711	
40600285	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	POUND	9319	9319	
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	524	524	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	183	183	

* SPECIALTY ITEM

EFK Moen, LLC
Civil Engineering Design

FILE NAME : T:\13078 1007 (1-74 CH-9X00M)Design\Final\Plate\004-016-0489502-sh1-500.dgn	USER NAME : slr	DESIGNED - DRAWN - BJC	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.I. RTE: 74	SECTION (48-2THB-3)BR	COUNTY KNOX	TOTAL SHEETS 220	SHEET NO. 5	
#MODELNAME	PLOT SCALE * 100.0000' / in.	CHECKED - SLD	REVISED -			SCALE: N.A.	SHEET 2 OF 14 SHEETS	CONTRACT NO. 88502			
	PLOT DATE * 8/14/2015	DATE - 8/14/2015	REVISED -			ILLINOIS FED. AID PROJECT					

90% FED / 10% STATE
CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY 0004 RURAL	BRIDGE 0011 RURAL
40600990	TEMPORARY RAMP	SQ YD	183	183	
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	250	250	
40603214	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-12.5, N70	TON	132	132	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	156	156	
40603565	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	630	630	
42001420	BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)	SQ YD	1378	1378	
42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	281	281	
44000100	PAVEMENT REMOVAL	SQ YD	5284	5284	
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	464	464	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	344	344	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	224	224	
44003100	MEDIAN REMOVAL	SQ FT	211	211	
44004000	PAVED DITCH REMOVAL	FOOT	290	290	
44004250	PAVED SHOULDER REMOVAL	SQ YD	2550	2550	

* SPECIALTY ITEM

EFK Moen, LLC
Civil Engineering Design

FILE NAME : Y:\13870 100T 1-74 CH-9\DCM\Design\Final	USER NAME : jg Plotsheets\004-DIG-0488502-shr-900.dgn	DESIGNED - DRAWN - BJC	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES		F.A.I. RTE. 74	SECTION 14B-27HB-3BR	COUNTY KNOX	TOTAL SHEETS 220	SHEET NO. 6
MODEL NAME :	PLOT SCALE : 100.0000' / in.	CHECKED - SLD	REVISED -				SCALE: N.A.	SHEET 3 OF 14 SHEETS	CONTRACT NO. 88502		ILLINOIS FED. AID PROJECT
	PLOT DATE : 8/14/2015	DATE : 8/14/2015	REVISED -								

90% FED / 10% STATE

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	BRIDGE
				0004 RURAL	0011 RURAL
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	1372	1372	
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	3631	3631	
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1		1
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1		1
50104400	CONCRETE HEADWALL REMOVAL	EACH	9	9	
50104650	SLOPE WALL REMOVAL	SQ YD	1057		1057
50105220	PIPE CULVERT REMOVAL	FOOT	363	363	
50157300	PROTECTIVE SHIELD	SQ YD	495		495
50200100	STRUCTURE EXCAVATION	CU YD	225		225
50300100	FLOOR DRAINS	EACH	10		10
50300225	CONCRETE STRUCTURES	CU YD	403.2		403.2
50300255	CONCRETE SUPERSTRUCTURE	CU YD	930.3		930.3
50300260	BRIDGE DECK GROOVING	SQ YD	3060		3060
50300300	PROTECTIVE COAT	SQ YD	3530		3530

14

* SPECIALTY ITEM

EFK Moen, LLC
Civil Engineering Design

FILE NAME :	USER NAME :	DESIGNED :	REVISED :	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
T:\13070 1001 1-74 CH-9\GDH\Design\Final	PlotSheet\004-018-0488502-ct-500.dgn	DRAWN - BJC	REVISED -			74	148-278B-318R	KNOX	220	7	
	PLOT SCALE = 100.0000' / 1"	CHECKED - SLD	REVISED -			CONTRACT NO. 88502					
#MODELNAME#	PLOT DATE = 8/14/2015	DATE - 8/14/2015	REVISED -			[ILLINOIS] FED. AID PROJECT					
				SCALE: N.A.		SHEET 4 OF 14 SHEETS					

90% FED / 10% STATE

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	BRIDGE
				0004 RURAL	0011 RURAL
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		1
50500505	STUD SHEAR CONNECTORS	EACH	8616		8616
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	327400		327400
50800515	BAR SPLICERS	EACH	1671		1671
51100100	SLOPE WALL 4 INCH	SO YD	797		797
51201600	FURNISHING STEEL PILES HP12X53	FOOT	756		756
51202305	DRIVING PILES	FOOT	756		756
51203600	TEST PILE STEEL HP12X53	EACH	2		2
51204650	PILE SHOES	EACH	26		26
51500100	NAME PLATES	EACH	1		1
* 51603000	DRILLED SHAFT IN SOIL	CU YD	49.7		49.7
* 51604000	DRILLED SHAFT IN ROCK	CU YD	58.1		58.1
52000110	PREFORMED JOINT STRIP SEAL	FOOT	148		148
52100520	ANCHOR BOLTS, 1"	EACH	32		32

* SPECIALTY ITEM

EFK Moen, LLC
Civil Engineering Design

FILE NAME :	USER NAME :	DESIGNED :	REVISED :	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Y:\12070 100T 1-74 CH-9\DDH\Design\Final\Plotsheets\004-016-D-88502-sht-500.dgn		DRAWN - BJC	REVISED -						74	148-27HB-318R	KNOX	220	8
		CHECKED - SLD	REVISED -		SCALE: N.A. SHEET 5 OF 14 SHEETS				CONTRACT NO. 88502				
#MODELNAME#		DATE - 8/14/2015	REVISED -						ILLINOIS FED. AID PROJECT				

90% FED / 10% STATE

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY 0004 RURAL	BRIDGE 0011 RURAL
52100540	ANCHOR BOLTS, 1 1/2"	EACH	32		32
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1	
54215436	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 36"	EACH	4	4	
54215619	METAL END SECTIONS 84"	EACH	2	2	
5421A036	PIPE CULVERTS, CLASS A, TYPE 1 36" (TEMPORARY)	FOOT	200	200	
5421D036	PIPE CULVERTS, CLASS D, TYPE 1 36" (TEMPORARY)	FOOT	100	100	
542A1081	PIPE CULVERTS, CLASS A, TYPE 2 36"	FOOT	340	340	
542D1969	PIPE CULVERTS, CLASS D, TYPE 3 84"	FOOT	60	60	
542D2809	PIPE CULVERTS, CLASS D, TYPE 4 84"	FOOT	15	15	
542JA018	PIPE CULVERTS, CLASS A 18" (JACKED)	FOOT	142	142	
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	66	66	
55100900	STORM SEWER REMOVAL 18"	FOOT	74	74	
59100100	GEOCOMPOSITE WALL DRAIN	SO YD	154		154
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	8	8	

14

* SPECIALTY ITEM

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Civil Engineering Design

FILE NAME =	USER NAME = jd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\\110870\DOT\1-74 CH-9\000\Design\Final\Plotehats\004-016-0489502-shr-500.dgn		DRAWN - BJC	REVISED -				74	148-27HB-3BR	KNOX	220	9
MODEL NAME =		CHECKED - SLD	REVISED -		SCALE: N.A.	SHEET 6	OF 14	SHEETS	CONTRACT NO. 08502		
		DATE - 8/14/2015	REVISED -					ILLINOIS FED. AID PROJECT			

90% FED / 10% STATE
CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY 0004 RURAL	BRIDGE 0011 RURAL
60107600	PIPE UNDERDRAINS 4"	FOOT	2105	2105	
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	129	129	
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	9.3	9.3	
60603100	CONCRETE GUTTER TRANSITION	FOOT	10	10	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	56	56	
60608552	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.06	FOOT	127	127	
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SO FT	698	698	
60625600	ISLAND PAVEMENT (6")	SO YD	871	871	
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1431.25	1431.25	
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	4	4	
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	6	6	
* 63200310	GUARDRAIL REMOVAL	FOOT	2981	2981	

* SPECIALTY ITEM

EFK Moen, LLC
Civil Engineering Design

FILE NAME : Y:\13070 IDOT I-74 CH-9\DDM\Design\Final\	USER NAME : jd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1\13070 IDOT I-74 CH-9\DDM\Design\Final\	PlotSheet\004-016-0488502-ah1-500.dgn	DRAWN - BJC	REVISED -					74	(48-27NB-3)BR	KNOX	220	10
	PLOT SCALE = 100.0000 1" = 100'	CHECKED - SLD	REVISED -		SCALE: N/A			SHEET 7 OF 14 SHEETS				
#MODELNAME#	PLOT DATE = 8/14/2015	DATE - 8/14/2015	REVISED -					ILLINOIS FED. AID PROJECT CONTRACT NO. 88502				

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CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	BRIDGE
				0004 RURAL	0011 RURAL
63500310	REMOVE AND REINSTALL DELINEATORS	EACH	16	16	
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	164	164	
64300450	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2	
66500105	WOVEN WIRE FENCE, 4'	FOOT	177	177	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	24	24	
67100100	MOBILIZATION	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	30	30	
70106700	TEMPORARY RUMBLE STRIPS	EACH	3	3	
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	876	876	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	42440	42440	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	264	264	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	10289	10289	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	2900	2900	

14

* SPECIALTY ITEM

EFK Moen, LLC
Civil Engineering Design

FILE NAME :	USER NAME :	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Y:\1207B IDOT 1-74 CH-9\DOCN\Design\Final\Plot\asst\004-016-0489502-shr-500.dgn	PlotScale\004-016-0489502-shr-500.dgn	DRAWN - BJC	REVISED -				74	(48-274B-3)BR	KNOX	220	11
PLOT SCALE = 100.0000' / 1" =		CHECKED - SLO	REVISED -				CONTRACT NO. 88502				
#MODELNAME#	PLOT DATE = 8/14/2015	DATE - 8/14/2015	REVISED -				SCALE: N.A.		SHEET 8 OF 14 SHEETS		ILLINOIS FED. AID PROJECT

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY 0004 RURAL	BRIDGE 0011 RURAL
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1312.5	1312.5	
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	6	6	
70600251	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	3	3	
70600350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	7	7	
70600352	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2	
* 72000100	SIGN PANEL - TYPE 1	SQ FT	78.2	78.2	
* 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	19.9	19.9	
* 72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	203.5	203.5	
* 72400720	RELOCATE SIGN PANEL - TYPE 2	SQ FT	52.5	52.5	
* 72400730	RELOCATE SIGN PANEL - TYPE 3	SQ FT	211.5	211.5	
* 72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	2690	2690	
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	60	60	
* 73000100	WOOD SIGN SUPPORT	FOOT	413	413	
* 73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	6	6	

* SPECIALTY ITEM

EFK Moen, LLC
Civil Engineering Design

FILE NAME =	USER NAME = jrd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Y:\13870 100T 1-74 CH-9\DDH\Design\Final\Plotecharts\004-016-0488502-shs-500.dgn	DRAWN - BJC	REVISED -	74			148-27HB-3)BR	KNDX	220	12	
PLOT SCALE = 100.0000' / 1"	CHECKED - SLD	REVISED -	CONTRACT NO. 88502							
MODEL NAME =	DATE - 8/14/2015	REVISED -	ILLINOIS FED. AID PROJECT							
				SCALE: N.A. SHEET 9 OF 14 SHEETS						

90% FED / 10% STATE

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY 0004 RURAL	BRIDGE 0011 RURAL
* 73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	6.2	6.2	
* 73700100	REMOVE GROUND MOUNTED SIGN SUPPORT	EACH	4	4	
* 73700200	REMOVE CONCRETE FOUNDATION - GROUND MOUNT	EACH	6	6	
78004200	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS	SQ FT	188	188	
78004210	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 4"	FOOT	12634	12634	
78004230	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	FOOT	340	340	
78004240	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 8"	FOOT	946	946	
78004250	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 12"	FOOT	507	507	
78004280	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24"	FOOT	112	112	
78100300	REPLACEMENT REFLECTOR	EACH	20	20	
78200100	MONODIRECTIONAL PRISMATIC BARRIER REFLECTOR	EACH	78	78	
78200200	BIDIRECTIONAL PRISMATIC BARRIER REFLECTOR	EACH	57	57	
78200300	PRISMATIC CURB REFLECTOR	EACH	169	169	
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	28	28	

* SPECIALTY ITEM

EFK Moen, LLC
Civil Engineering Design

FILE NAME #	USER NAME #	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Y:\12078 1007 1-74 CH-9\000\Design\Final\Plotsheets\004-016-0488502-sh1-500.dgn		DRAWN - BJC	REVISED -			74	148-2THB-3IBR	KNOX	220	13	
PLOT SCALE * 100.0000' / 1"		CHECKED - SLD	REVISED -			SCALE: N.A.		SHEET 10 OF 14 SHEETS		CONTRACT NO. 88502	
#MODELNAME#		DATE - 8/14/2015	REVISED -			ILLINOIS FED. AID PROJECT					

90% FED / 10% STATE

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY 0004 RURAL	BRIDGE 0011 RURAL
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	6	6	
78300100	PAVEMENT MARKING REMOVAL	SO FT	3202	3202	
* 81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	345	345	
* 81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	535	535	
* 81300555	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 8"	EACH	4	4	
* 81603032	UNIT DUCT, 600V, 2-1C NO. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1500	1500	
* 81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	535	535	
* 81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	1070	1070	
* 82103900	LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 250 WATT	EACH	6	6	
* 82500330	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1	1	
* 83060830	LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., TENON MOUNT	EACH	2	2	
* 83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	46	46	
* 83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	4	4	
* 84200804	REMOVAL OF POLE FOUNDATION	EACH	7	7	

* SPECIALTY ITEM

EFK Moen, LLC
Civil Engineering Design

FILE NAME *	USER NAME *	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T:\13070 1007 1-74 CH-9\DCM\Design\Final\Plotsheets\004-016-0488502-rlt-500.dgn		DRAWN - BJC	REVISED -						74	148-27HB-3/BR	KNOX	220	14
PLOT SCALE * 100.0000' / 1"		CHECKED - SLD	REVISED -		CONTRACT NO. 88502								
PLOT DATE * 8/14/2015		DATE - 8/14/2015	REVISED -		SCALE: N.A.	SHEET 11 OF 14 SHEETS		ILLINOIS FED. AID PROJECT					

90% FED / 10% STATE
CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY 0004 RURAL	BRIDGE 0011 RURAL
* 84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	7	7	
* 84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1	1	
X4400110	TEMPORARY PAVEMENT REMOVAL	SQ YD	1533	1533	
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	535	535	
X5030305	CONCRETE WEARING SURFACE, 5"	SQ YD	430		430
X5040100	PRECAST BRIDGE APPROACH SLAB	SQ FT	3710		3710
X5860110	GRANULAR BACKFILL FOR STRUCTURES	CU YD	343		343
X6330725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	112.5	112.5	
X6650202	WOVEN WIRE FENCE REMOVAL	FOOT	251	251	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
X7010410	SPEED DISPLAY TRAILER	CAL MO	19	19	
X7016500	TEMPORARY BRIDGE TRAFFIC SIGNALS (SPECIAL)	EACH	1	1	
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	852	852	
* X7800100	PAINT PAVEMENT MARKING - RAISED MEDIAN	SQ FT	936	936	

* 14

* SPECIALTY ITEM

EFK·Moen, LLC
Civil Engineering Design

FILE NAME : Y:\13070 100T 1-74 CH-9\DDH\Design\Final\Plotsheets\004-016-0488902-sht-500.dgn	USER NAME : jd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE : 100.0000' / 1" =	DRAWN - BJC	REVISOR -	74			(48-2THB-3)BR	KNOX	220	15	
#MODELNAME#	CHECKED - SLD	REVISOR -	CONTRACT NO. 88502							
PLOT DATE : 8/14/2015	DATE - 8/14/2015	REVISOR -	ILLINOIS FED. AID PROJECT							
						SCALE: N.A.		SHEET 12 OF 14 SHEETS		

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CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY 0004 RURAL	BRIDGE 0011 RURAL
* X7800200	PAINT PAVEMENT MARKING CURB	FOOT	92	92	
X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	20	20	
* X7830068	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS, NUMBERS AND SYMBOLS	SQ FT	188	188	
* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	12634	12634	
* X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	340	340	
* X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	946	946	
* X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	507	507	
* X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	112	112	
* X8110458	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL	FOOT	10	10	
* X8410102	TEMPORARY LIGHTING SYSTEM	L SUM	1	1	
XZ137300	TEMPORARY SHORING	L SUM	1	1	
Z0001002	GUARDRAIL AGGREGATE EROSION CONTROL	TON	508	508	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
∅ Z0076600	TRAINEES	HOOR	1000	1000	
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	197		197
∅ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOOR	1000	1000	

* SPECIALTY ITEM
∅ 0042

EFK Moen, LLC
Civil Engineering Design

FILE NAME : Y:\12878 100T I-74 CH-9\000\Design\Final	USER NAME : jd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.I. RTE. 74	SECTION 148-27HB-3BR	COUNTY KNOX	TOTAL SHEETS 220	SHEET NO. 16
PlotSheet\004-018-0408502-ah1-500.dgn	DRAWN - BJC	REVISED -	REVISED -					SCALE: N.A. SHEET 13 OF 14 SHEETS			CONTRACT NO. 88502	
PLOT SCALE * 100.0000 1" = 100'	CHECKED - SLD	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							
#MODELNAME#	PLOT DATE * 8/14/2015	DATE - 8/14/2015	REVISED -									

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	BRIDGE
				0004 RURAL	0011 RURAL
Z0023600	FILLING EXISTING CULVERTS	EACH	1	1	
Z0026407	TEMPORARY SHEET PILING	SO FT	1029		1029
Z0034105	MATERIAL TRANSFER DEVICE	TON	1849	1849	
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	224		224
Z0062456	TEMPORARY PAVEMENT	SO YD	1533	1533	
Z0076600	TRAINEES	HOUR	1000	1000	
Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1000	1000	

5

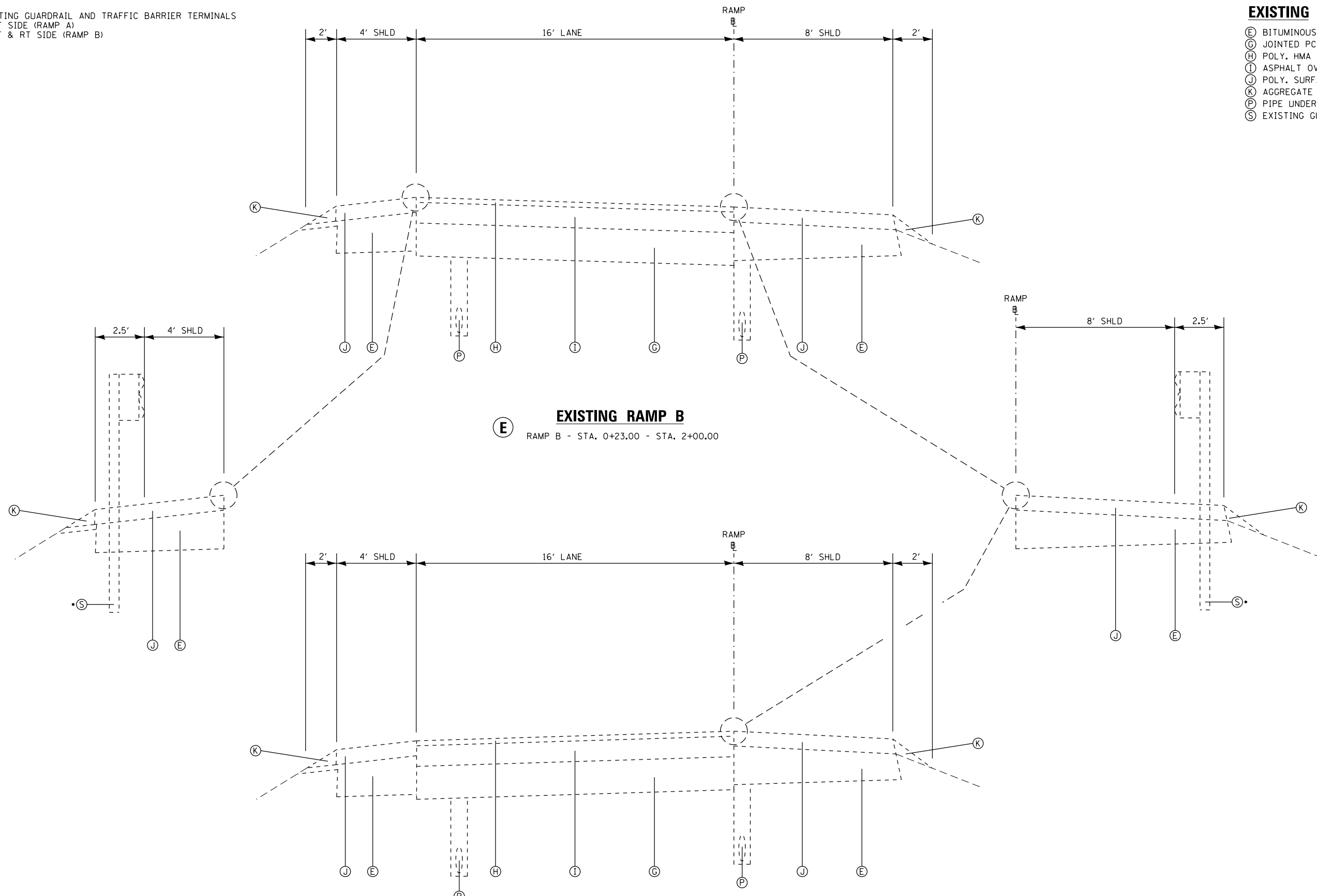
* SPECIALTY ITEM

EFK Moen, LLC
Civil Engineering Design

• EXISTING GUARDRAIL AND TRAFFIC BARRIER TERMINALS
 RT SIDE (RAMP A)
 LT & RT SIDE (RAMP B)

EXISTING

- (E) BITUMINOUS SHOULDER
- (G) JOINTED PCC PAVEMENT, 10"
- (H) POLY. HMA SURFACE CSE, MIX "D" N90, 1.5"
- (I) ASPHALT OVERLAY, 4.75"
- (J) POLY. SURFACE CSE, 4.75"
- (K) AGGREGATE SHOULDER, TYPE B
- (P) PIPE UNDERDRAIN, 4"
- (S) EXISTING GUARDRAIL



(E) EXISTING RAMP B
 RAMP B - STA. 0+23.00 - STA. 2+00.00

(F) EXISTING RAMPS A, C, AND D
 RAMP A - STA. 1+56.99 - STA. 2+76.99
 RAMP C - STA. 2+70.00 - STA. 5+76.20
 RAMP D - STA. 0+23.00 - STA. 2+95.00

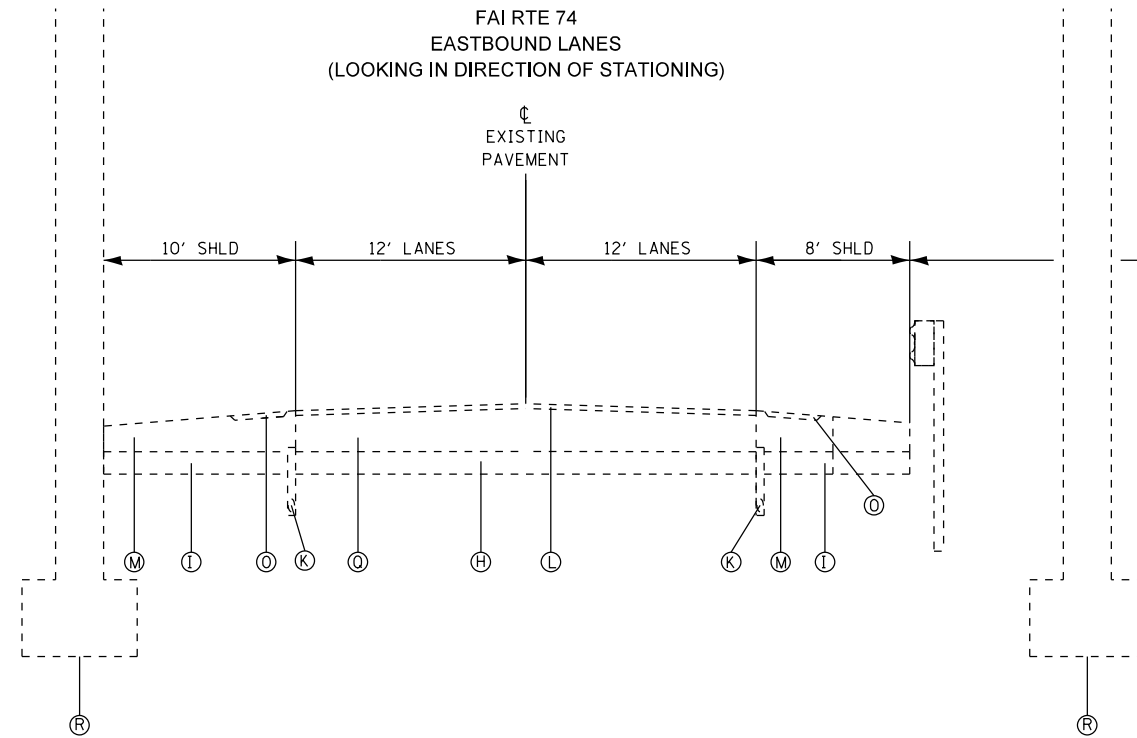
EFK Moen, LLC
 Civil Engineering Design

FILE NAME =	USER NAME = jrd	DESIGNED - JRD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTIONS		F.A.I. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Y:\13870 IDOT 1-74 CH-9\Design\Final\Plotsheets\017-022-D488502-sht-typical.dgn		DRAWN - SJF	REVISED -		74	(48-27HB-3)BR	KNOX	220	18		
MODELNAME	PLOT SCALE = 10.0000 ' / in.	CHECKED - SLD	REVISED -		SCALE: N.T.S. SHEET 2 OF 6 SHEETS STA. TO STA.		CONTRACT NO. 88502				
	PLOT DATE = 8/14/2015	DATE - 7/31/2015	REVISED -		ILLINOIS FED. AID PROJECT						

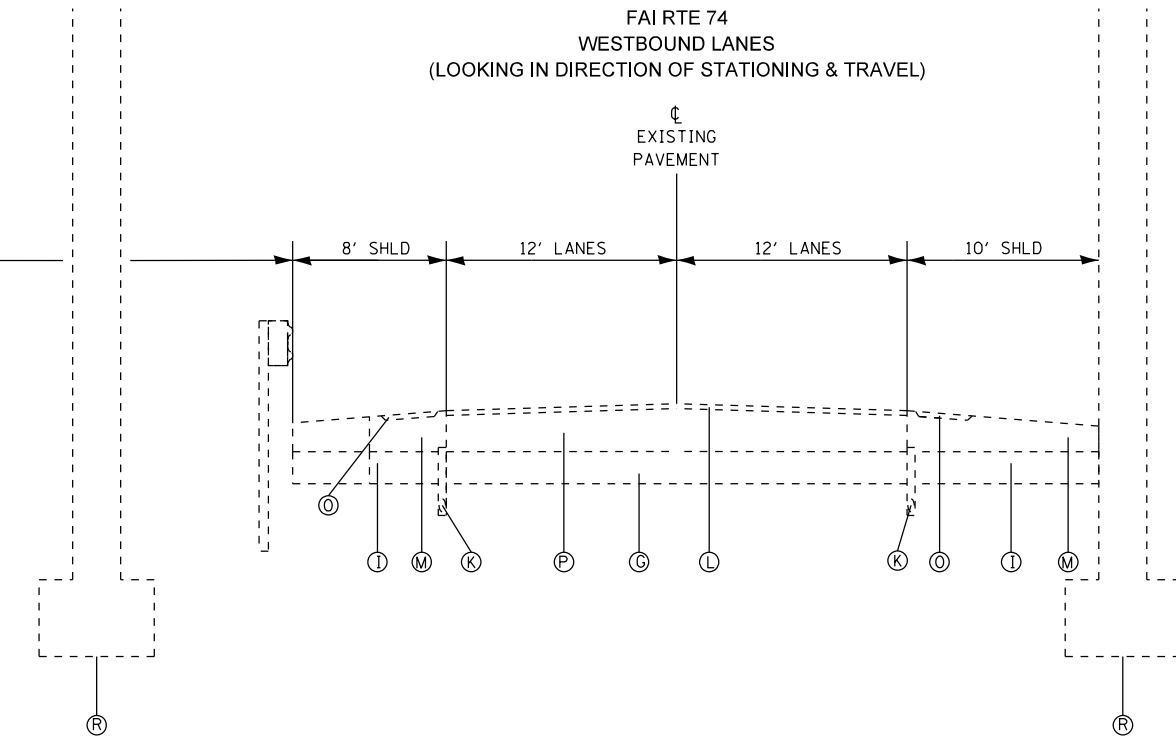
EXISTING

- Ⓒ JOINT P.C.C. PAVEMENT, 10"
- Ⓓ CONTINUOUS REINFORCED CONCRETE PAVEMENT, 7"
- Ⓔ STABILIZED SHOULDER
- Ⓕ PIPE UNDERDRAIN 4"
- Ⓖ POLY. HMA SURFACE CSE, MIX "D" N90, 1-1/2"
- Ⓜ HMA SHOULDERS 8"
- Ⓞ SHOULDER RUMBLE STRIP
- Ⓟ ASPHALT OVERLAY, 5"
- Ⓠ ASPHALT OVERLAY, 6-1/4"
- Ⓡ BRIDGE PIER

**FAI RTE 74
EASTBOUND LANES
(LOOKING IN DIRECTION OF STATIONING)**



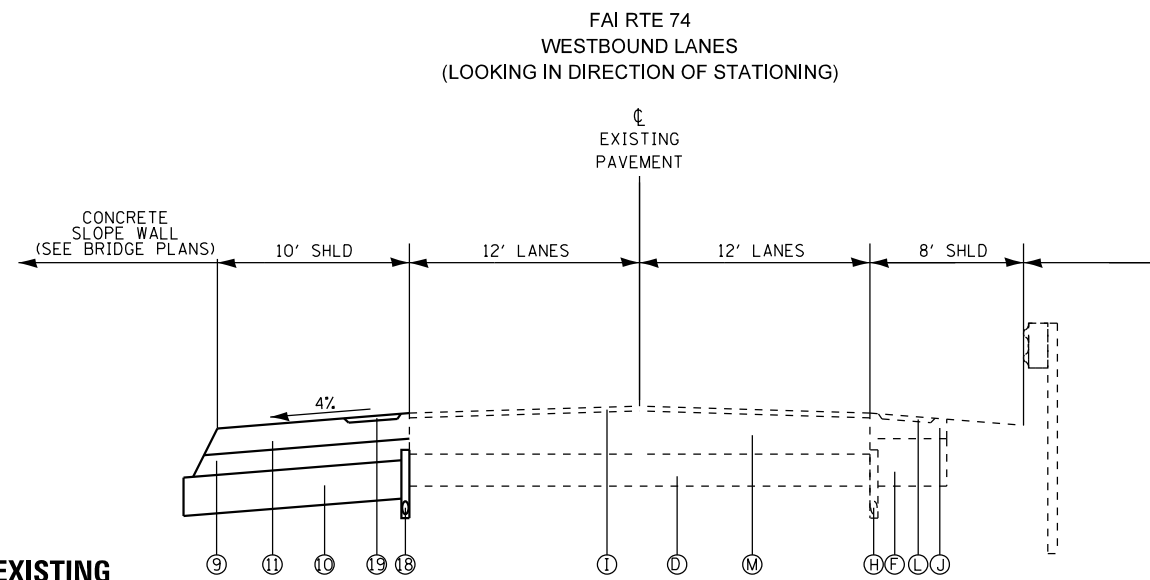
**FAI RTE 74
WESTBOUND LANES
(LOOKING IN DIRECTION OF STATIONING & TRAVEL)**



EXISTING FAI 74 (UNDER BRIDGES)

Ⓒ STA. 495+40.00 TO 496+21.00 (WESTBOUND)
STA. 493+81.00 TO 494+63.00 (EASTBOUND)

**FAI RTE 74
WESTBOUND LANES
(LOOKING IN DIRECTION OF STATIONING)**



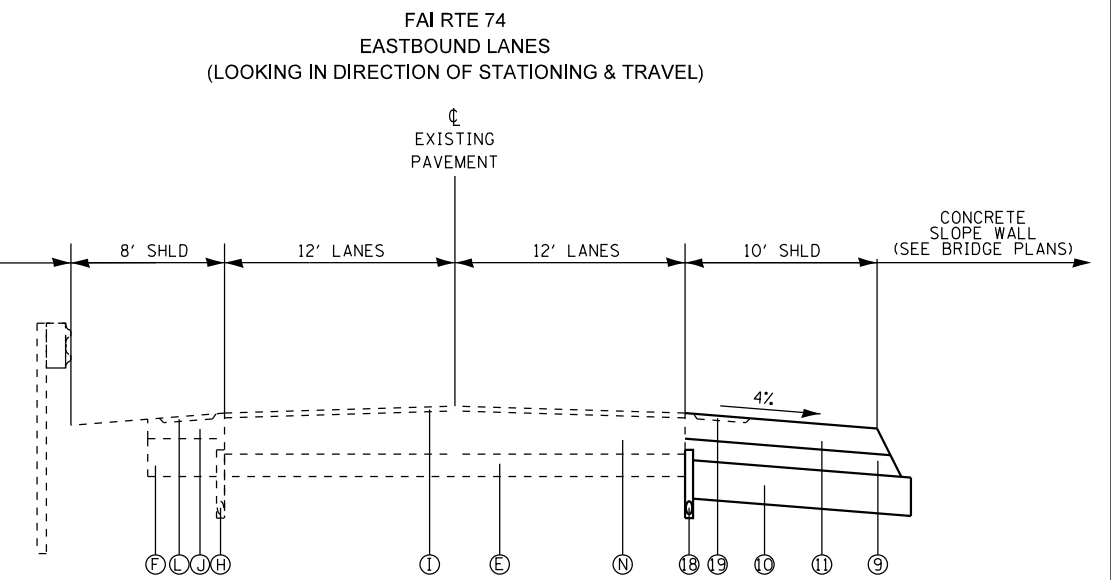
EXISTING

- Ⓒ JOINT P.C.C. PAVEMENT, 10"
- Ⓓ CONTINUOUS REINFORCED CONCRETE PAVEMENT, 7"
- Ⓔ STABILIZED SHOULDER
- Ⓕ PIPE UNDERDRAIN 4"
- Ⓖ POLY. HMA SURFACE CSE, MIX "D" N90, 1-1/2"
- Ⓜ HMA SHOULDERS 8"
- Ⓞ SHOULDER RUMBLE STRIP
- Ⓟ ASPHALT OVERLAY, 5"
- Ⓠ ASPHALT OVERLAY, 6-1/4"

PROPOSED

- Ⓓ SUBBASE GRANULAR MATERIAL, TYPE C
- Ⓣ SUBBASE GRANULAR MATERIAL, TYPE A, 12"
- Ⓛ HMA SHOULDER, 8"
- Ⓛ PIPE UNDERDRAIN, 4"
- Ⓛ SHOULDER RUMBLE STRIP

**FAI RTE 74
EASTBOUND LANES
(LOOKING IN DIRECTION OF STATIONING & TRAVEL)**



**PROPOSED TYPICAL SECTION
FAI 74 (UNDER BRIDGE)**

STA. 493+81 TO 494+63 (WESTBOUND)
STA. 495+40 TO 496+21 (EASTBOUND)

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FILE NAME = Y:\13070 IDOT 1-74 CH-9\Design\Final\Plotsheets\017-022-D488502-sht-typical.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -
PLOT SCALE = 10.0000' / 1" = 8/14/2015		DRAWN - SJF	REVISED -
		CHECKED - SLD	REVISED -
		DATE - 7/31/2015	REVISED -

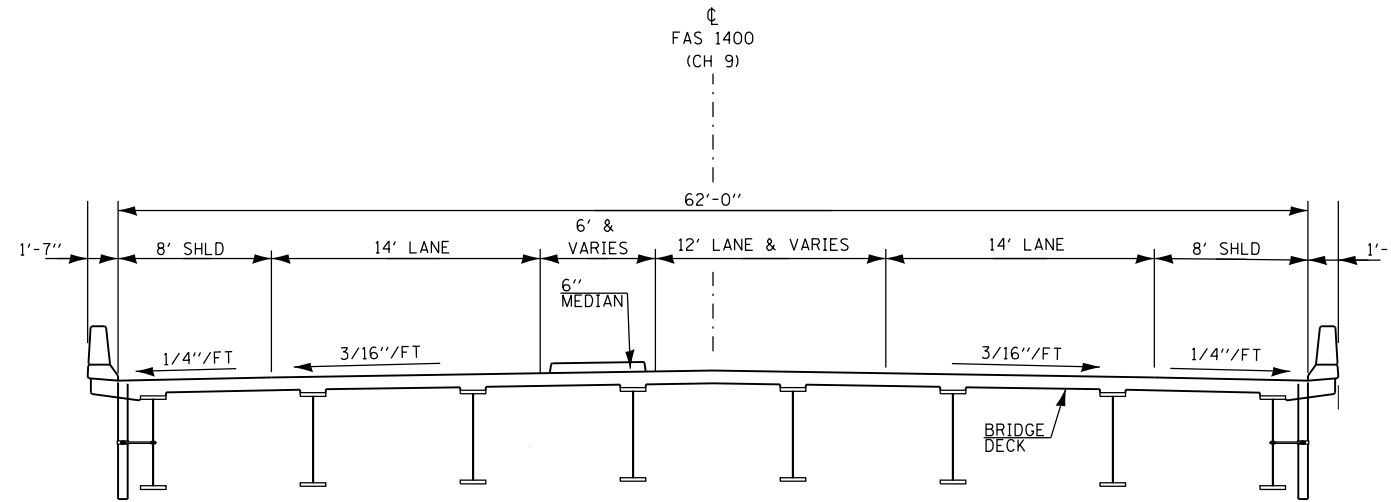
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING TYPICAL SECTIONS

SCALE: N.T.S. SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	19
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

*** PROPOSED GUARDRAIL AND TRAFFIC BARRIER TERMINALS
 RT STA. 9+00.01 (CH-9) - RT STA. 12+49.62 (CH-9)
 RT STA. 12+92.50 (CH-9) - RT STA. 1+52.51 (RAMP B)
 RT STA. 16+51.38 (CH-9) - RT STA. 18+45.12 (CH-9)
 RT STA. 22+69.08 (CH-9) - RT STA. 24+62.82 (CH-9)
 LT STA. 9+82.12 (CH-9) - RT STA. 1+55.85 (RAMP A)
 LT STA. 16+87.16 (CH-9) - RT STA. 18+80.90 (CH-9)
 LT STA. 23+04.88 (CH-9) - RT STA. 24+98.62 (CH-9)



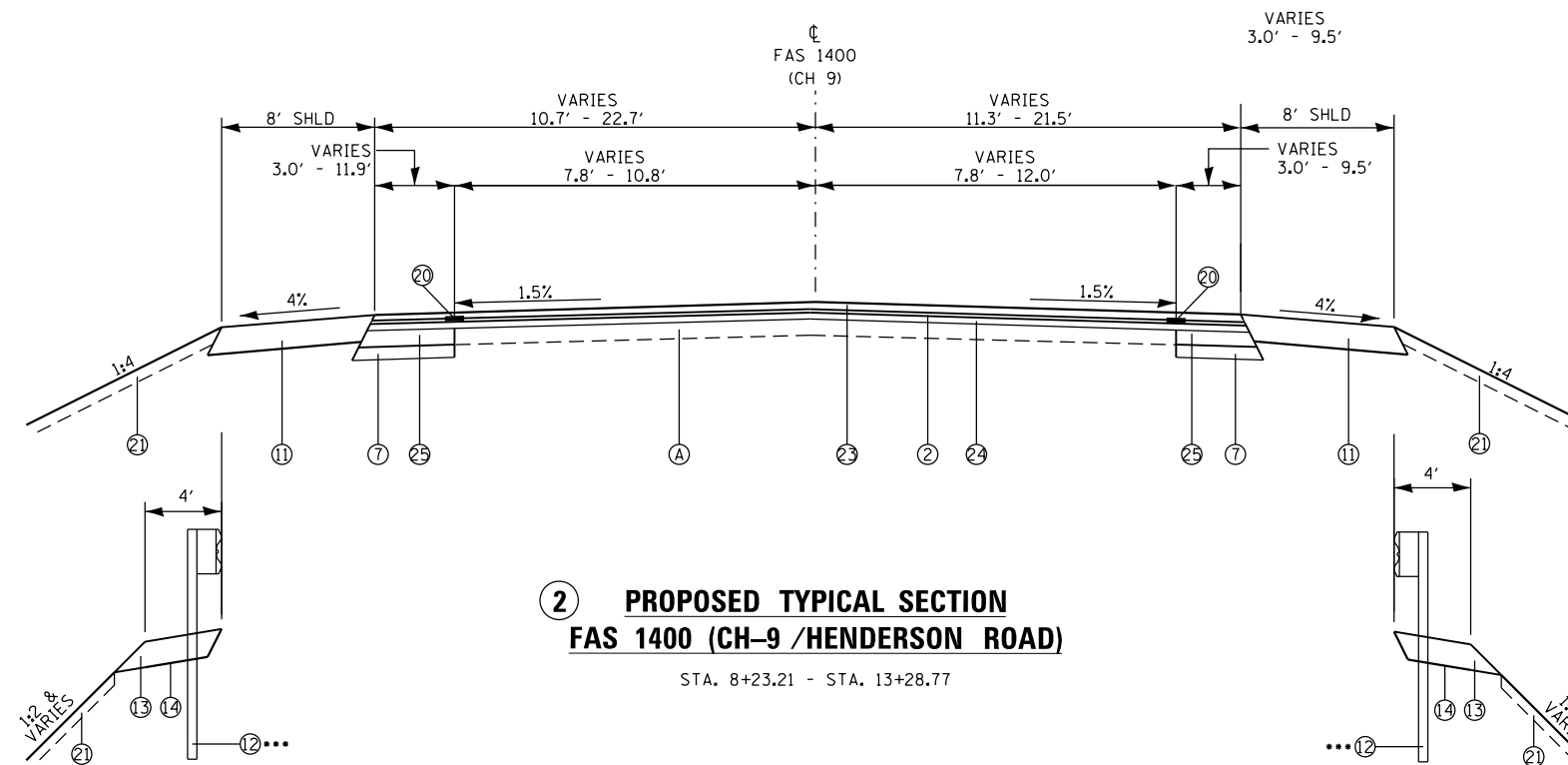
① **PROPOSED SN 048-0099**
 STA. 18+75.52 - STA. 22+74.48

EXISTING

Ⓐ BITUMINOUS PAVEMENT, 4"

PROPOSED

- Ⓐ BITUMINOUS PAVEMENT, 4"
- ⑦ STABILIZED SUBBASE, 4"
- ⑪ HOT-MIX ASPHALT SHOULDER, 8"
- ⑫ STEEL PLATE BEAM GUARDRAIL OR TRAFFIC BARRIER TERMINAL
- ⑬ GUARDRAIL AGGREGATE EROSION CONTROL, 8"
- ⑭ GEOTEXTILE FABRIC
- ⑯ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ⑰ TOPSOIL FURNISH AND PLACE, 4"
- ⑲ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1.5"
- ⑳ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.5"
- ㉑ HOT-MIX ASPHALT BASE COURSE WIDENING, 4"



② **PROPOSED TYPICAL SECTION**
FAS 1400 (CH-9) / HENDERSON ROAD
 STA. 8+23.21 - STA. 13+28.77

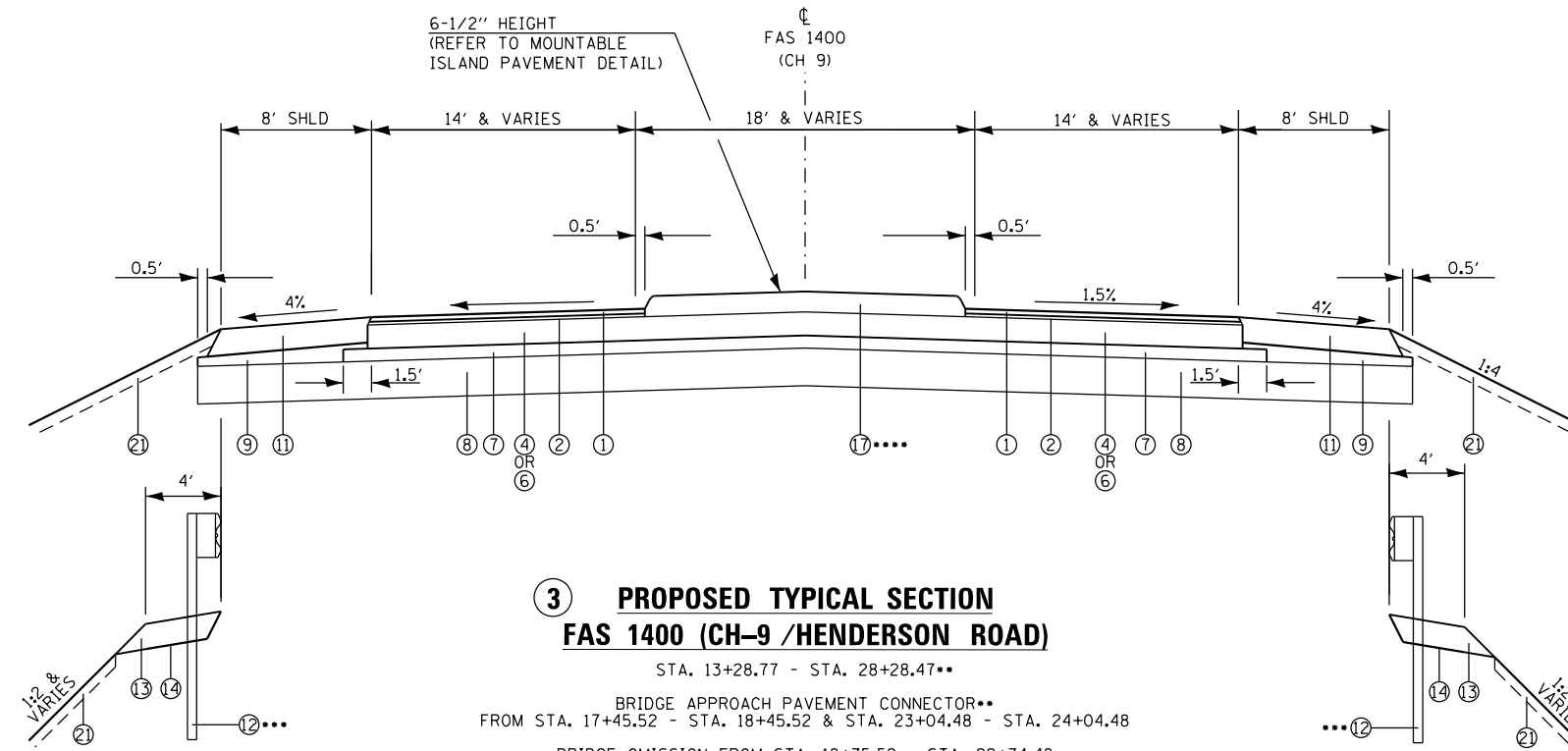
- NOTES:
- SEE THE BRIDGE PLANS FOR BRIDGE APPROACH SLAB DETAILS (STA. 18+45.52 - STA. 18+75.52 & STA. 22+74.48 - STA. 23+04.48)
 - SEE PLAN AND CROSS SECTIONS FOR TREATMENT OUTSIDE SHOULDER LIMITS

EFK Moen, LLC
 Civil Engineering Design

FILE NAME =	USER NAME = jrd	DESIGNED - JRD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS			F.A.I. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Y:\13870 IDOT I-74 CH-9\Design\Final\Plotsheets\017-022-0488502-sht-typical.dgn	PLOT SCALE = 10.0000 ' / in.	DRAWN - SJF	REVISED -					74	(48-27HB-3)BR	KNOX	220	20
MODELNAME	PLOT DATE = 8/14/2015	CHECKED - SLD	REVISED -		SCALE: N.T.S. SHEET 4 OF 6 SHEETS STA. TO STA.			CONTRACT NO. 88502				
		DATE - 7/31/2015	REVISED -		ILLINOIS FED. AID PROJECT							

•• SEE STANDARD 420401 FOR ADDITIONAL DETAILS OF BRIDGE APPROACH PAVEMENT CONNECTOR

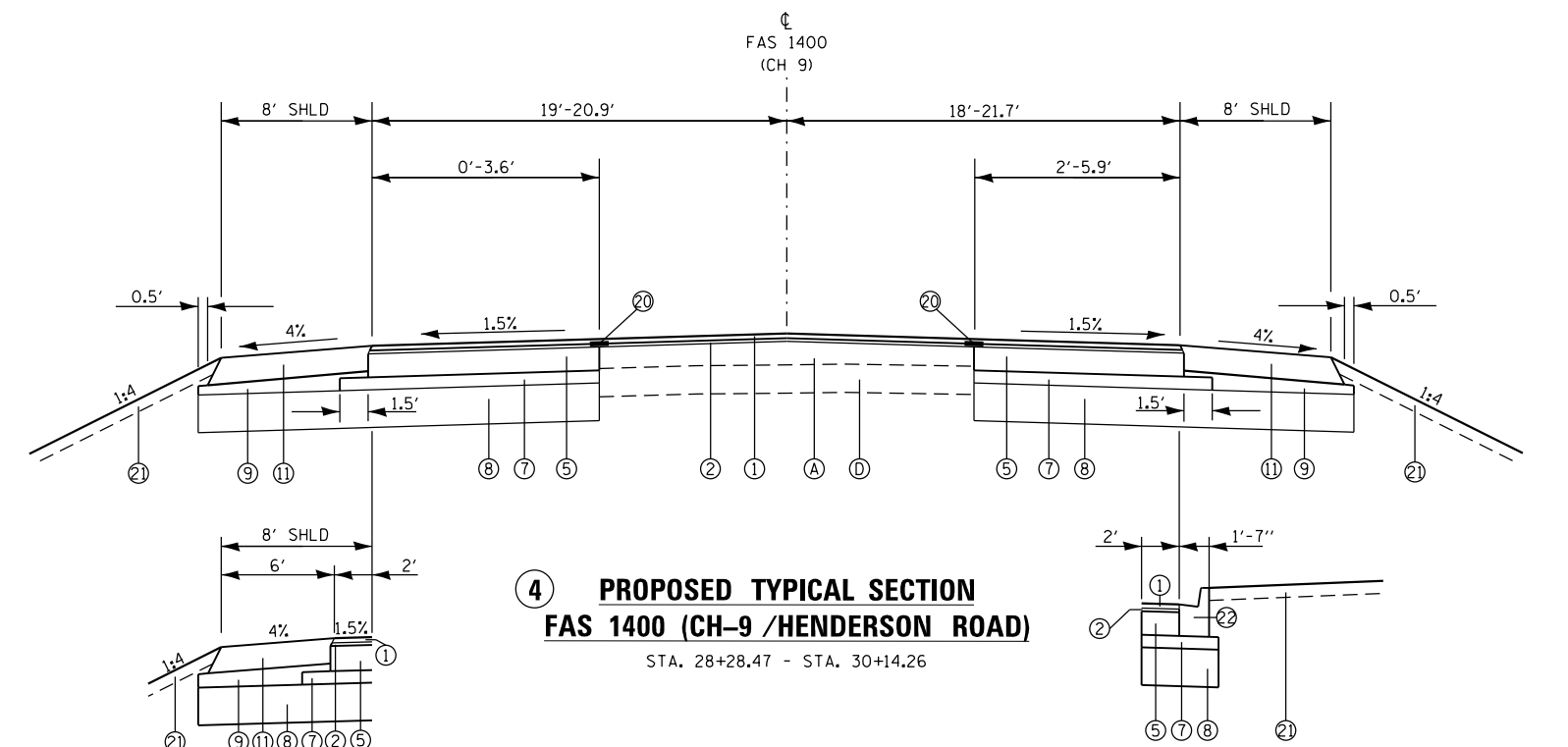
••• PROPOSED GUARDRAIL AND TRAFFIC BARRIER TERMINALS
 RT STA. 9+00.01 (CH-9) - RT STA. 12+49.62 (CH-9)
 RT STA. 12+92.50 (CH-9) - RT STA. 1+52.51 (RAMP B)
 RT STA. 16+51.38 (CH-9) - RT STA. 18+45.12 (CH-9)
 RT STA. 22+69.08 (CH-9) - RT STA. 24+62.82 (CH-9)
 LT STA. 9+82.12 (CH-9) - RT STA. 1+55.85 (RAMP A)
 LT STA. 16+87.16 (CH-9) - RT STA. 18+80.90 (CH-9)
 LT STA. 23+04.88 (CH-9) - RT STA. 24+98.62 (CH-9)



**3 PROPOSED TYPICAL SECTION
 FAS 1400 (CH-9 / HENDERSON ROAD)**

STA. 13+28.77 - STA. 28+28.47**
 BRIDGE APPROACH PAVEMENT CONNECTOR**
 FROM STA. 17+45.52 - STA. 18+45.52 & STA. 23+04.48 - STA. 24+04.48
 BRIDGE OMISSION FROM STA. 18+75.52 - STA. 22+74.48

**** MEDIAN GAPS FOR TURNING MOVEMENT BETWEEN
 STA. 13+28.77 - STA. 13+73.15
 STA. 15+07.99 - STA. 16+12.24
 STA. 24+87.47 - STA. 26+16.04
 STA. 28+25.97 - STA. 28+28.47



**4 PROPOSED TYPICAL SECTION
 FAS 1400 (CH-9 / HENDERSON ROAD)**

STA. 28+28.47 - STA. 30+14.26

- NOTES:
- SEE THE BRIDGE PLANS FOR BRIDGE APPROACH SLAB DETAILS (STA. 18+45.52 - STA. 18+75.52 & STA. 22+74.48 - STA. 23+04.48)
 - SEE PLAN AND CROSS SECTIONS FOR TREATMENT OUTSIDE SHOULDER LIMITS

EXISTING

- (A) BITUMINOUS PAVEMENT, 4"
- (D) REINFORCED CONCRETE PAVEMENT, 9"

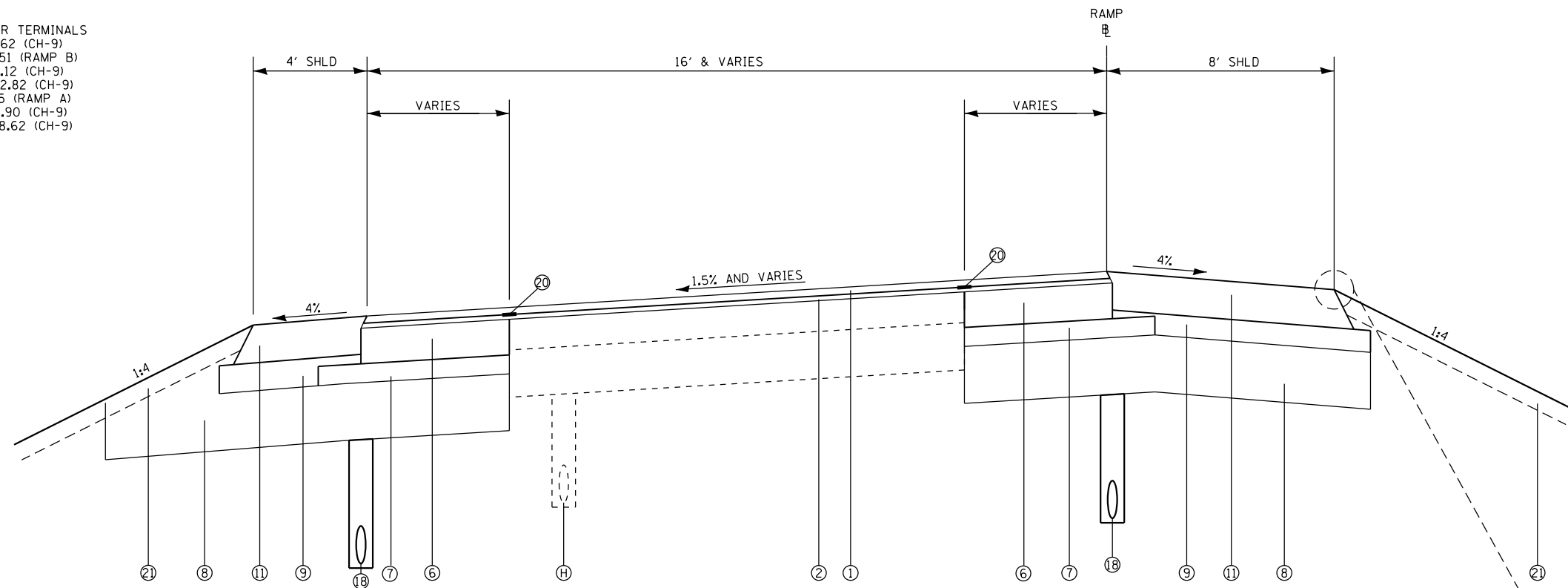
PROPOSED

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1.5"
- (2) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
- (4) PORTLAND CEMENT CONCRETE BASE COURSE, 8"
- (5) PORTLAND CEMENT CONCRETE BASE COURSE WIDENING, 8"
- (6) HIGH-EARLY STRENGTH PCC BASE COURSE, 8"
- (7) STABILIZED SUBBASE, 4"
- (8) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (9) SUBBASE GRANULAR MATERIAL, TYPE C
- (11) HMA SHOULDER, 8"
- (12) STEEL PLATE BEAM GUARDRAIL OR TRAFFIC BARRIER TERMINAL
- (13) GUARDRAIL AGGREGATE EROSION CONTROL, 8"
- (14) GEOTEXTILE FABRIC
- (17) ISLAND PAVEMENT (6")
- (20) STRIP REFLECTIVE CRACK CONTROL TREATMENT
- (21) TOPSOIL FURNISH AND PLACE, 4"
- (22) TYPE B-6.12 CURB AND GUTTER

FILE NAME = Y:\13870 IDOT 1-74 CH-9\Design\Final\Plotsheets\017-022-D488502-sht-typical.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS			F.A.I. R.T.E. = 74	SECTION = (48-27HB-3)BR	COUNTY = KNOX	TOTAL SHEETS = 220	SHEET NO. = 21
MODELNAME	PLOT SCALE = 10.0000' / in.	CHECKED - SLD	REVISED -		SCALE: N.T.S.	SHEET 5 OF 6 SHEETS	STA. TO STA.	CONTRACT NO. 88502				
	PLOT DATE = 8/14/2015	DATE - 7/31/2015	REVISED -		ILLINOIS FED. AID PROJECT							

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*** PROPOSED GUARDRAIL AND TRAFFIC BARRIER TERMINALS
 RT STA. 9+00.01 (CH-9) - RT STA. 12+49.62 (CH-9)
 RT STA. 12+92.50 (CH-9) - RT STA. 1+52.51 (RAMP B)
 RT STA. 16+51.38 (CH-9) - RT STA. 18+45.12 (CH-9)
 RT STA. 22+69.08 (CH-9) - RT STA. 24+62.82 (CH-9)
 LT STA. 9+82.12 (CH-9) - RT STA. 1+55.85 (RAMP A)
 LT STA. 16+87.16 (CH-9) - RT STA. 18+80.90 (CH-9)
 LT STA. 23+04.88 (CH-9) - RT STA. 24+98.62 (CH-9)

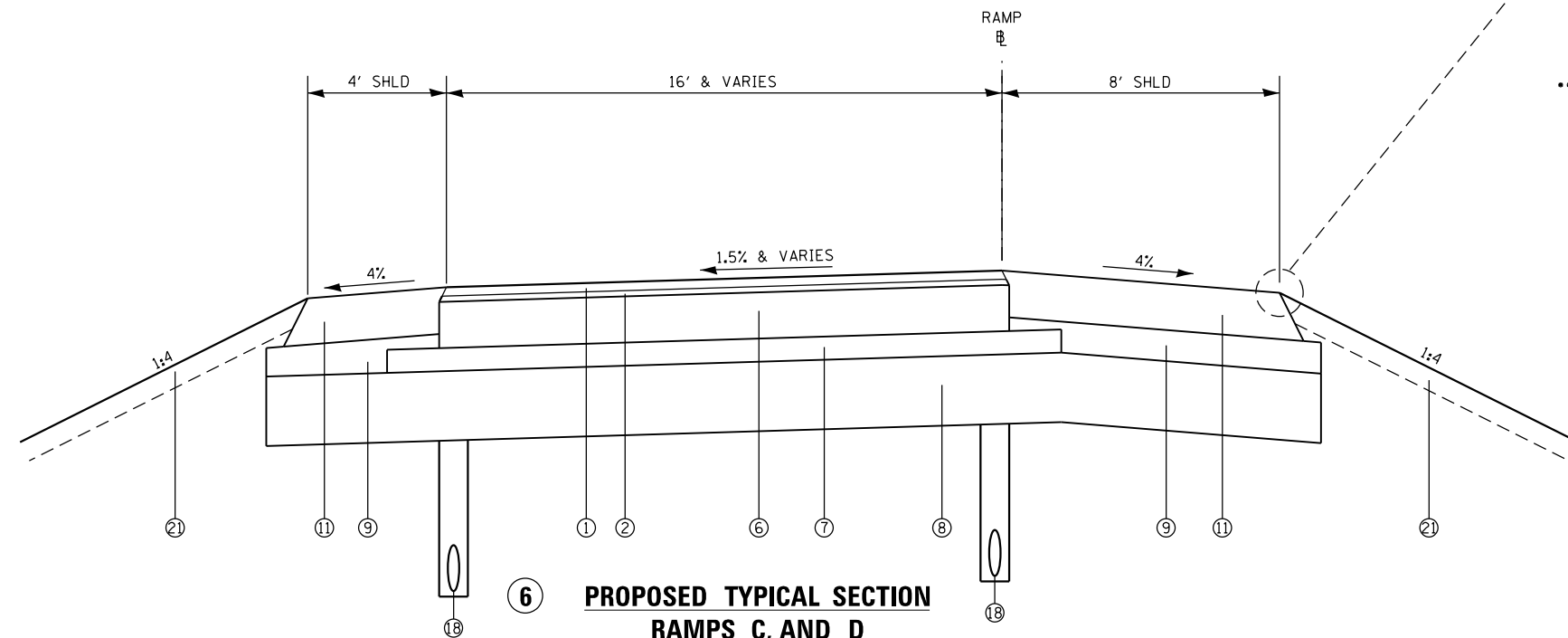


**5 PROPOSED TYPICAL SECTION
 RAMPS A AND B**

RAMP A - STA. 1+56.99 - STA. 2+76.99
 RAMP B - STA. 0+23.00 - STA. 2+00.00

PROPOSED

- ① POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 1.5"
- ② POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
- ⑥ HIGH-EARLY STRENGTH PCC BASE COURSE, 8"
- ⑦ STABILIZED SUBBASE, 4"
- ⑧ AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑨ SUBBASE GRANULAR MATERIAL, TYPE C
- ⑪ HMA SHOULDER, 8"
- ⑫ STEEL PLATE BEAM GUARDRAIL OR TRAFFIC BARRIER TERMINAL
- ⑬ GUARDRAIL AGGREGATE EROSION CONTROL, 8"
- ⑭ GEOTEXTILE FABRIC
- ⑱ PIPE UNDERDRAIN, 4"
- ⑳ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ㉑ TOPSOIL FURNISHED AND PLACE, 4"



**6 PROPOSED TYPICAL SECTION
 RAMPS C, AND D**

RAMP C - STA. 2+70.00 - STA. 5+76.20
 RAMP D - STA. 0+23.00 - STA. 2+95.00

NOTES:

1. SEE THE BRIDGE PLANS FOR BRIDGE APPROACH SLAB DETAILS (STA. 18+45.52 - STA. 18+75.52 & STA. 22+74.48 - STA. 23+04.48)
2. SEE PLAN AND CROSS SECTIONS FOR TREATMENT OUTSIDE SHOULDER LIMITS

EFK Moen, LLC
 Civil Engineering Design

FILE NAME =	USER NAME = j_d	DESIGNED - JRD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS			F.A.I. R.T.E. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Y:\13870 IDOT 1-74 CH-9\Design\Final\Plotsheets\017-022-D488502-sht-typical.dgn		DRAWN - SJF	REVISED -		74	(48-27HB-3)BR	KNOX	220	22			
PLOT SCALE = 10.0000 "/ in.		CHECKED - SLD	REVISED -		CONTRACT NO. 88502							
MODELNAME	PLOT DATE = 8/14/2015	DATE - 7/31/2015	REVISED -		SCALE: N.T.S.	SHEET 6 OF 6 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

EARTHWORK					FOR INFORMATION ONLY				
LOCATION					EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR 25% SHRINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) SHORTAGE (-) (CU YD)	FURNISHED EXCAVATION (CU YD)
RDWY.	STA.	TO	STA.	LT./RT.					
PRE-STAGE									
CH-9	8+23.21	-	15+00.00	LT./RT.	3,678	2,760	11,278	-8,518	11,404
RAMP A	1+56.99	-	2+65.00	LT./RT.	483	360	1,860	-1,500	
RAMP B	0+30.00	-	1+50.00	LT./RT.	575	430	1,816	-1,386	
SUBTOTALS (PRE-STAGE) =					4,736	3,550	14,954	-11,404	
STAGE 1									
CH-9	15+00.00	-	26+05.39	LT./RT.	630	475	940	-465	465
SUBTOTALS (STAGE 1) =					630	475	940	-465	
STAGE 2									
CH-9	15+00.00	-	25+00.00	RT.	1,796	1,345	8,341	-6,996	7,944
RAMP B	0+50.00	-	2+00.00	LT./RT.	523	390	1,676	-1,286	
I-74	492+50.00	-	496+21.00	LT./RT.	2,813	2,110	1,772	338	
SUBTOTALS (STAGE 2) =					5,132	3,845	11,789	-7,944	
STAGES 3A, 3B, 3C									
CH-9	13+28.77	-	16+49.85	RT.	105	80	38	42	USE EXCESS IN STAGE 4*
RAMP B	0+50.00	-	2+00.00	RT.	93	70	62	8	
SUBTOTALS (STAGES 3A, 3B, 3C) =					198	150	100	50	
STAGE 4									
CH-9	24+37.35	-	30+14.26	RT.	692	520	1,071	-551	600
RAMP C	2+70.00	-	5+00.00	LT./RT.	126	95	194	-99	
SUBTOTALS (STAGE 4) =					818	615	1,265	-650	
STAGE 5									
CH-9	24+00.00	-	30+14.26	LT.	465	350	1,457	-1,107	1,069
RAMP A	1+00.00	-	2+50.00	LT.	11	10	19	-9	
RAMP D	1+00.00	-	2+95.00	LT./RT.	143	105	58	47	
SUBTOTALS (STAGE 5) =					619	465	1,534	-1,069	
STAGE 6A, 6B									
CH-9	13+28.77	-	17+00.00	LT.	155	115	245	-130	1,164
RAMP A	1+56.99	-	2+50.00	RT.	134	100	65	35	
SUBTOTALS (STAGE 6A, 6B) =					289	215	310	-95	
STAGE 7									
CH-9	16+49.85	-	24+37.35	LT.	1,152	865	3,223	-2,358	EXCESS TO BE WASTED
I-74	491+75.00	-	498+00.00	LT./RT.	15,641	11,730	2,762	8,968	
SUBTOTALS (STAGE 7) =					16,793	12,595	5,985	6,610	
TOTALS (ALL STAGES) =					29,215	21,910	36,877	-14,967	22,645

* NOTE: EXCESS EARTH INCLUDED IN EARTH EXCAVATION QUANTITY PER ARTICLE 202.07(b) OF THE STANDARD SPECIFICATIONS (TOTAL EARTH EXCAVATION = 29,265 CU YD).

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Civil Engineering Design

FILE NAME =	USER NAME = jd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Y:\13070 IDOT I-74 CH-9\Design\Final\Plotsheets\023-031-D488502-sht-schedule.dgn	PLLOT SCALE = 100.0000' / 1in.	DRAWN - SJF	REVISED -					74	(48-27HB-3)BR	KNOX	220	23
MODELNAME	PLLOT DATE = 8/14/2015	CHECKED - SLD	REVISED -		SCALE: SHEET 1 OF 9 SHEETS STA. TO STA.			CONTRACT NO. 88502				
		DATE - 7/31/2015	REVISED -		ILLINOIS FED. AID PROJECT							

PVMT TEMPORARY, & PVMT REMOVAL													
			TEMPORARY			REMOVALS							
LOCATION			TEMPORARY RAMP (SQ YD)	TEMPORARY PAVEMENT (SQ YD)	SUBBASE GRANULAR MAT TYPE C (TON)	TEMPORARY PAVEMENT REMOVAL (SQ YD)	HMA SURFACE REMOVAL BUTT JOINT (SQ YD)	PAVED SHOULDER REMOVAL (SQ YD)	PAVEMENT REMOVAL (SQ YD)	MEDIAN REMOVAL (SQ YD)	HMA SURFACE REMOVAL 2.5" (SQ YD)	PAVED DITCH REMOVAL	DRIVEWAY PAVEMENT REMOVAL (SQ YD)
CH-9	17+37.19	17+45.52	43				43						
CH-9	24+04.48	24+12.81	43				43						
CH-9	30+05.93	30+14.26	35				35						
RAMP A	1+56.99	1+65.32	15				15						
RAMP B	1+91.67	2+00.00	15				15						
RAMP C	2+70.00	2+78.33	16				16						
RAMP D	2+86.67	2+95.00	16				16						
CH -9 LT / RT	8+23.21	30+14.26		1277	670	1277							
RAMP A / LT&RT	2+46.16	2+79.59		237	76	237							
RAMP C / LT&RT	5+21.62	576.81		19	10	19							
CH 9 / LT	13+45.72	29+73.18						444					
CH 9 / RT	13+45.93	28+96.03						398					
RAMP A / LT&RT	1+00.00	2+91.29						277					
RAMP B / LT&RT	0+11.69	2+00.00						315					
RAMP C / LT&RT	2+70.00	6+00.00						492					
RAMP D / LT&RT	0+11.65	2+95.00						454					
I-74 / WB & EB	493+81.00	496+21.00						171					
CH-9	8+23.21	9+42.51							22				
CH-9	8+23.21	9+98.25							32				
CH-9	13+28.77	18+7.30							1657				
RAMP A	1+56.99	2+91.29							119				
RAMP B	0+11.69	2+00.00							15				
RAMP C	2+70.00	6+00.00							724				
RAMP D	0+11.65	2+95.00							692				
RAMP A	2+67.91	2+78.21								70.8			
RAMP C	5+60.64	5+76.18							140				
CH 9	29+00.00	30+14.26									464		
I-74 / RT	491+91.00	494+24.00										233	
I-74 / LT	492+94.00	493+53.00										57	
CH 9	12+22.15	13+22.52											310
CH 9	29+89.07	30+28.22											34.0
CH 9	20+34.78	27+19.35											
CH 9	22+71.27	28+28.47							221				
CH 9	29+16.45	29+73.18							1795				
CH 9	29+50.49	30+14.26							2				
CH 9									5				
TOTAL			183	1533	756	1533	183	2550	5284	211	464	290	344

HOT MIX ASPHALT												
			POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT) (POUND)	HMA BINDER COURSE IL-19.0, N50 (TON)	STRIP REFLECTIVE CRACK CONTROL TREATMENT (FOOT)	HMA SHOULDERS 8" (SQ YD)	POLYMERIZED LEVELING BINDER (MACHINE METHOD) IL-4.75, N50 (TON)	POLYMERIZED HMA SURFACE COURSE MIX "E", N70 (TON)	POLYMERIZED HMA BINDER COURSE IL-12.5, N70 (TON)	POLYMERIZED HMA SURFACE COURSE MIX "C", N50 (TON)	HOT MIX ASPH SURFACE REMOVAL VARIABLE DEPTH (SQ YD)	MATERIAL TRANSFER DEVICE (TON)
STATION	STATION	STATION										
CH-9	8+23.21	30+14.26	4654			1336	203	153				
CH-9	24+04.48	30+14.26				644	145	214				1280
RAMP A	1+56.99	2+82.04	591			274	38	57	71			163
RAMP B	0+22.94	2+00.00	566			292	36	54	61			152
RAMP C	2+70.00	6+00.00	816			485	52	78				130
RAMP D	0+22.83	2+95.00	782			427	50	74				125
I-74 WB						88						
I-74 EB						85						
CH 9 / LT&RT	15+16.00	16+05.00										
CH-9	8+23.21	13+28.77	1910	250	506					156		
CH-9	8+23.21	13+28.77			506							
CH-9	13+28.77	13+28.77			44							
CH-9	28+28.47	29+16.45			88							
CH-9	28+28.47	28+28.47			43							
CH-9	28+28.47	30+14.26			186							
CH-9	8+23.21	30+14.26									266	
RAMP A	1+56.99	2+82.04									88	
RAMP B	0+22.94	2+00.00									181	
TOTAL			9319	250	1372	3631	524	630	132	156	535	1849

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FILE NAME = Y:\13070 IDOT I-74 CH-9\Design\Final\Plotsheets\023-031-D488502-sht-schedule.dgn	USER NAME = jd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.I. RTE. = 74	SECTION = (48-27HB-3)BR	COUNTY = KNOX	TOTAL SHEETS = 220	SHEET NO. = 25		
MODELNAME	PLOT SCALE = 100.0000' / 1" =	CHECKED - SLD	REVISED -			SCALE:	SHEET 3 OF 9 SHEETS	STA.	TO STA.	CONTRACT NO. 88502		
	PLOT DATE = 8/14/2015	DATE = 8/14/2015	REVISED -			ILLINOIS FED. AID PROJECT						

CONCRETE PAVEMENT			PORTLAND CEMENT CONC BASE COURSE 8" (SQ YD)	PORTLAND CEMENT CONC DRIVEWAY PAVEMENT 7" (SQ YD)	HIGH-EARLY-STRENGTH PCC BASE COURSE 8" (SQ YD)	PORTLAND CEMENT CONC BASE COURSE WIDENING 8" (SQ YD)	BRIDGE APPR PAVEMENT CONNECTOR (SQ YD)	CONCRETE MEDIAN SURFACE 4" (SQ FT)	ISLAND PAVEMENT 6" (SQ YD)
LOCATION									
CH-9	8+23.21	13+28.77	1874						
CH 9 / RT	12+66.96			248.31					
CH 9 / RT	30+35.45			32					
CH-9	13+28.77	17+45.52			2139				
CH-9	24+04.48	28+28.47			2168				
RAMP A	1+56.99	2+82.04			400				
RAMP B	0+22.94	2+00.00			200				
RAMP C	2+70.00	6+00.00			996				
RAMP D	0+22.84	2+95.00			898				
CH 9 / LT	28+28.47	29+16.45				25			
CH 9 / RT	28+28.47	30+14.26				65			
CH-9	17+45.52	18+63.41					689		
CH-9	22+86.58	24+04.48					689		
CH-9	13+73.15	15+07.99							232
CH-9	16+12.24	18+43.96							127
CH-9	23+06.50	24+87.47							98
CH-9	26+16.84	28+25.97							358
RAMP A	2+38.14	2+70.25						698	
RAMP C	5+43.72	5+72.91							56
TOTAL			1874	281	6800	90	1378	698	871

GUARDRAIL SCHEDULE										GUARDRAIL REMOVAL LENGTH (FOOT)	TRAFFIC BARRIER TERMINAL TYPE 1 (SPECIAL) TANGENT (EACH)	TRAFFIC BARRIER TERMINAL TYPE 2 (EACH)	TRAFFIC BARRIER TERMINAL TYPE 6 (EACH)	STEEL PLAT BEAM GUARDRAIL TYPE A, 6' POSTS (FOOT)	STEEL BEAM GUARDRAIL (SHORT RADIUS) (FOOT)	TERMINAL MARKER D A (EACH)	GUARDRAIL MARKER TYPE A (EACH)	GUARDRAIL AGG EROSION CONTROL (TON)	
LOCATION																			
9+81.07	23.61	RT	CH 9	-	12+40.84	67.12	RT	CH 9		301.14									
12+93.06	75.33	RT	CH 9	-	1+52.51	10.61	RT	RAMP B		328.1									
1+41.92	20.9	LT	RAMP B	-	18+64.75	16.55	RT	CH 9		447.7									
20+26.76	15.99	RT	CH 9	-	21+10.94	16.14	RT	CH 9		84.17									
22+69.47	15.78	RT	CH 9	-	23+11.73	16.16	RT	CH 9		42.25									
9+75.57	21.27	LT	CH 9	-	1+55.85	9.49	RT	RAMP A		600.03									
17+62.59	17.76	LT	CH 9	-	18+81.18	16.04	LT	CH 9		118.63									
20+44.99	15.75	LT	CH 9	-	21+25.44	15.83	LT	CH 9		80.45									
22+83.81	16.11	LT	CH 9	-	23+09.68	15.93	LT	CH 9		25.87									
494+13.29	23.5	WB	I-73	-	498+63.42	23.1	WB	I-73		450									
494+42.49	67.22	WB	I-74	-	494+88.29	68	WB	I-74		45.8									
491+74.68	188.41	EB	I-74	-	495+85.12	149.29	EB	I-74		413									
495+19.14	200.5	EB	I-74	-	495+62.61	196	EB	I-75		43.75									
9+00.01	21.88	RT	CH 9	-	12+49.62	69.57	RT	CH 9			1			262.5	56.25	1	4		
12+92.50	70.76	RT	CH 9	-	1+52.51	10.58	RT	RAMP B			1			237.5	56.25		4		
16+51.38	32	RT	CH 9	-	18+45.12	31	RT	CH 9				1		100.0		1	4		
22+69.08	31	RT	CH 9	-	24+62.82	31	RT	CH 9				1		100.0		1	4		
9+82.12	23.29	LT	CH 9	-	1+55.85	9.49	RT	RAMP A						506.25		1	4		
16+87.16	32	LT	CH 9	-	18+80.90	31	LT	CH 9						100.0		1	4		
23+04.88	31	LT	CH 9	-	24+98.62	32	LT	CH 9						100.0		1	4		
8+60.04		RT	CH 9	-	12+49.62		RT	CH 9										111	
12+92.50		RT	CH 9	-	1+52.51		RT	RAMP A										118	
16+11.38		RT	CH 9	-	18+42.63		RT	CH 9										55	
9+42.16		LT	CH 9	-	1+55.50		RT	RAMP A										169	
16+47.16		LT	CH 9	-	18+78.41		LT	CH 9										55	
494+63.29	68	LT	I-74 (WB)	-	494+88.29	68	LT	I-74 (WB)			1			12.5					
495+19.14	200.15	RT	I-74 (EB)	-	495+44.04	198.3	RT	I-74 (EB)			1			12.5					
TOTAL										2,981	6	4	4	1,431.25	112.5	6	28	508	

AGGREGATE				AGGREGATE SUBGRADE IMPROVEMENT 12" (SQ YD)	SUBBASE GRANULAR MAT TYPE C (TON)	STABILIZED SUBBASE 4" (SQ YD)
LOCATION						
CH-9	13+28.77	30+14.26		7088	425	6774
RAMP A	1+00.00	2+50.00		677	58	447
RAMP B	0+23.00	2+00.00		523	69	267
RAMP C	2+70.00	27+35.26 (CH-9)		1536	76	1109
RAMP D	0+23.00	2+95.00		1375	66	994
I-74 (WB)	493+81.00	494+63.00			23	
I-74 (EB)	495+40.00	496+21.00			21	
TOTAL				11199	738	9591

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DRAINAGE STRUCTURE SCHEDULE

ROUTE	STATION	OFFSET	STATION	OFFSET	NOTE	PIPE CULVERTS CLASS A 18" (JACKED) (FOOT)	PIPE CULVERTS CLASS D TYPE 3 84" (FOOT)	PIPE CULVERTS CLASS D TYPE 4 84" (FOOT)	PIPE CULVERTS CLASS A TYPE 2 36" (FOOT)	PIPE CULVERTS CLASS A TYPE 1 36" TEMPORARY (FOOT)	PIPE CULVERTS CLASS D TYPE 1 36" TEMPORARY (FOOT)	CONCRETE HEADWALL REMOVAL (EACH)	PIPE CULVERT REMOVAL (FOOT)	STORM SEWERS CLASS A TYPE 1 18" (FOOT)	STORM SEWER REMOVAL 18" (FOOT)	MANHOLES TYPE A, 4' DIA TYPE 1 FRAME CLOSED LID (EACH)	FILL EXISTING CULVERTS (EACH)
CH-9	12+00.00	66.10 / RT	13+35.40	107.19 / RT		142											
CH-9	13+81.47	70.2' LT			LOC. @ FES/PIPE CONN.		60										
CH-9	13+80.26	96.2' RT			LOC. @ FES/PIPE CONN.			15									
I-74 (WB)	493+00.00	90.6' LT	494+86.79	81.7' LT					187								
I-74 (EB)	495+18.09	214.6' RT	496+70.17	197.9' RT					153								
I-74 (WB)	PER ENGINEER FOR MEDIAN ENTRY								200								
I-74 (WB)	ADJACENT TO I-74 WEST BOUND MEDIAN SHOULDER FOR STAGING									100							
CH 9	13+81.67	101.45' / LT.										1					
CH 9	13+80.24	100.46' / RT.										1					
I-74 (WB)	493+52.27	81.3' / LT										1					
I-74 (WB)	494+56.32	81.4' / LT										1					
I-74 (WB)	494+23.93	1.3' / RT										1					
I-74 (WB)	495+13.99	0.06' / RT										1					
I-74 (EB)	495+49.45	211.16' / RT										1					
I-74 (EB)	496+33.84	202.23' / RT										1					
I-74 (EB)	496+66.97	245.44' / RT										1					
CH-9	13+81.59	100.2' LT	13+81.47	70.2' LT	84" CMP								30				
I-74 (WB)	493+52.27	81.3' LT	494+56.32	81.4' LT	36" CMP								104				
I-74 (WB)	494+23.93	1.3' RT	495+13.99	0.06' RT	36" CMP								96				
I-74 (EB)	495+49.45	211.16' RT	496+33.84	202.23' RT	36" CMP								85				
I-74 (EB)	496+45.24	202.39' RT	496+66.97	245.44' RT	18" CMP								48				
CH 9	29+10.07	39.04' / RT.	29+76.23	28.46' RT.										66			
CH-9	29+04.35	29.43' / RT.	29+77.73	28.44' RT.											74		
CH-9	29+76.23	28.46' / RT.			LOC. @ CENTER OF D.S.											1	
CH-9	12+09.25	48.5' RT	13+35.91	94.38													1
TOTAL						142	60	15	340	200	100	9	363	66	74	1	1

END SECTIONS					PRC FLARED END SECTIONS 18" (EACH)	METAL END SECTIONS 84" (EACH)	CAST IN PLACE REINFORCED CONCRETE END SECTIONS 36" (EACH)
ROUTE	STATION	OFFSET	NOTES				
CH-9	29+04.06	40' RT.	LOC. @ FES/PIPE CONN.	1			
CH-9	13+81.86	136.6' LT	LOC. @ FES/PIPE CONN.		1		
CH-9	13+80.08	117.2' RT	LOC. @ FES/PIPE CONN.	1			
I-74 (WB)	493+00.00	90.6' LT				1	
I-74 (WB)	494+86.79	81.7' LT				1	
I-74 (EB)	495+18.09	214.6' RT				1	
I-74 (EB)	496+70.17	197.9' RT				1	
TOTAL					1	2	4

PIPE UNDERDRAINS					CONC HEADWALLS FOR PIPE DRAIN (EACH)	PIPE UNDERDRAINS 4" (SPECIAL) (FOOT)	PIPE UNDERDRAINS 4" (FOOT)
STATION	OFFSET	ROUTE	STATION	OFFSET			
RAMP A	1+56.99	LT			1	17	
RAMP A	1+56.99	RT			1	16	
RAMP B	2+00.00	LT			1	16	
RAMP B	2+00.00	RT			1	16	
RAMP C	2+70.00	LT			1	16	
RAMP C	2+70.00	RT			1	16	
RAMP D	2+95.00	LT			1	16	
RAMP D	2+95.00	RT			1	16	
RAMP A	2+82.04	RT	1+57.00	RT			219
RAMP A	2+75.78	LT	1+00.00	LT			170
RAMP B	2+00.00	RT	0+23.15	RT			223
RAMP B	2+00.00	LT	0+22.94	LT			186
RAMP C	2+70.00	RT	6+00.00	RT			404
RAMP C	2+70.00	LT	5+61.69	LT			304
RAMP D	0+22.83	LT	2+95.00	LT			281
RAMP D	0+23.34	RT	2+95.00	RT			318
TOTAL					8	129	2,105

COMBINATION CURB AND GUTTER				CONCRETE CURB & GUTTER TYPE B6.12 (FOOT)	COMB CONCRETE CURB & GUTTER TYPE M-4.06 (FOOT)	CLASS SI CONCRETE (OUTLET) (CU YD)	CURB & GUTTER REMOVAL (FOOT)	CONCRETE GUTTER TRANSITION (FOOT)
ROUTE	STATION	STATION	NOTES					
CH 9	29+03.79	30+14.06	RIGHT SIDE	56				
CH 9	13+72.65	15+08.49	ALONG MAINLINE					
RAMP A	2+38.14	2+70.25	ALONG MAINLINE		12.2			
RAMP A	2+37.64	2+70.75	ALONG MAINLINE					
CH 9 / LT	29+15.88	29+73.18				4.6		
CH 9 / RT	29+02.71	29+48.61				4.7		
CH-9	29+61.96	29+73.21					11	
CH-9	28+92.55	30+14.14					122	
RAMP A	2+67.44	2+78.13					37	
RAMP C	5+60.03	5+76.71					53	
CH-9	29+48.61	29+58.61						10
TOTAL				56	12	9.3	224	10

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BARRIERS				TEMPORARY CONCRETE BARRIER (FOOT)	RELOCATE TEMP CONC. BARRIER (FOOT)	IMPACT ATTENUATOR TEMPORARY (N.R.) TL3 (EACH)	IMPACT ATTENUATOR RELOCATE (N.R.) TL3 (EACH)	IMPACT ATTENUATOR TEMPORARY (N.R.N.) TL3 (EACH)	IMPACT ATTENUATOR RELOCATE (N.R.N.) TL3 (EACH)	IMPACT ATTENUATOR (N.R.) TL3 (EACH)	M-DIRECTIONAL PRISMATIC BARRIER REFLECTOR (EACH)	BIDIRECTIONAL PRISMATIC BARRIER REFLECTOR (EACH)	REMOVE AND REINSTALL DELINEATORS (EACH)	PINNING TEMPORARY CONCRETE BARRIER (EACH)
STAGE	LOCATION													
		15+98.84	25+74.77	912.5		2								213
		15+56.13	25+43.48		875		2							204
		16+05.52	25+43.48		50		1							9
		16+05.52	27+94.19	312.5	137.5		1							105
		15+68.54	27+94.18	1,275		2			2					186
		15+80.51	25+93.09		175		2							36
		15+68.54	25+93.09		75		1							15
STAGE 2	LT	12+96.94	13+28.77					1						
	LT	18+40.88	18+72.69					1						
	LT	22+93.34	23+25.15					1						
STAGE 5	RT	16+00.12	16+49.74								3			
	RT	16+49.85	28+24.85								50			
	RT	28+24.85	27+62.35								3			
STAGE 4	LT	16+37.35	17+74.85									7		
	LT	17+74.89	18+74.82									5		
	LT	18+74.85	22+87.35									19		
	LT	22+87.39	23+87.32									5		
STAGE 1	I-74 / WB	493+75.44	494+87.94	112.5							6			
	I-74 / WB	494+87.94	495+75.15	87.5		1					5			42
	I-74 / EB	494+28.81	495+14.87	87.5		1					5			42
	I-74 / EB	495+14.98	496+26.92	112.5							6			
		494+95.40	OFFSET, .86'							1				
		495+09.79	OFFSET, 126.94'							1				
ASSUMED EX. END @ 2+32.43	RAMP A	1+56.99	3+00.00											1
ASSUMED EX. BEG @ 0+84.79	RAMP B	0+00.00	2+00.00											2
ASSUMED EX. END @ 5+17.78	RAMP C	2+70.00	2+95.00											3
ASSUMED EX. BEG @ 1+02.63	RAMP D	0+00.00	2+95.00											2
ASSUMED EX. END @ 2+32.43	RAMP A	1+56.99	3+00.00											1
ASSUMED EX. BEG @ 0+84.79	RAMP B	0+00.00	2+00.00											2
ASSUMED EX. END @ 5+17.78	RAMP C	2+70.00	2+95.00											3
ASSUMED EX. BEG @ 1+02.63	RAMP D	0+00.00	2+95.00											2
TOTAL				2,900.0	1,312.5	6	7	3	2	2	78	57	16	852

CURB AND REFLECTOR MARKING SCHEDULE										
LOCATION				REPLACEMENT REFLECTOR (EACH)	RAISED REFLECTOR PAV MARKER REMOVAL (EACH)	PAVEMENT MARKING REMOVAL (SQ FT)	PAINT PAV MARKING RAISED MEDIAN (SQ FT)	PRISMATIC CURB REFLECTOR (EACH)	PAVEMENT MARKING CURB (FOOT)	REMARKS
I-74 (WB)	490+96.00	TO	498+02.00	10	10					INSIDE EDGE LN (YEL SOLID) & CENTLINE (WHT SKIP-DASH)
I-74 (EB)	492+13.00	TO	498+67.00	10	10					INSIDE EDGE LN (YEL SOLID) & CENTLINE (WHT SKIP-DASH)
CH 9	8+23.21	RAMP A	15+01.75			255				EDGE OF PAVEMENT LEFT SIDE CH 9
RAMP A	15+01.75	RAMP D	2+95.00			487				
RAMP D	2+95.00	CH 9	30+14.26			174				
CH 9	8+23.21	RAMP B	2+00.00			276				EDGE OF PAVEMENT RIGHT SIDE CH 9
RAMP B	2+00.00	RAMP C	2+70.00			512				
RAMP C	2+70.00	CH 9	30+14.26			225				
CH 9	8+23.21	CH 9	30+14.26			1018				CENTER LINES
RAMP A	2+60.09	RAMP A	2+88.12			35				WHITE LINES AROUND ISLANDS
RAMP C	5+54.36	RAMP C	5+90.00			41				
RAMP A	2+61.90	RAMP A	2+74.17			48				STOP BARS
RAMP A	2+60.04	RAMP A	2+73.13			44				
RAMP C	5+50.40	RAMP C	5+66.54			44				
RAMP C	5+72.23	RAMP C	5+60.93			42				
CH-9	13+73.15	TO	28+28.97				842			YELLOW
RAMP A	2+38.31	TO	2+69.65				11			WHITE
RAMP C	5+43.72	TO	5+72.91				83			
CH-9	13+73.86	TO	28+25.84					129		AMBER
RAMP A	2+38.98	TO	2+39.30					22		CRYSTAL
RAMP A	2+38.05	TO	2+70.24						92	
RAMP C	5+43.86	TO	5+44.45							
TOTAL				20	20	3202	936	169	92	

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FILE NAME = Y:\13870 IDOT I-74 CH-9\Design\Final\Plotsheets\023-031-D488502-sht-schedule.dgn	USER NAME = jd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.I. RTE. = 74	SECTION = (48-27HB-3)BR	COUNTY = KNOX	TOTAL SHEETS = 220	SHEET NO. = 28		
MODELNAME	PLLOT SCALE = 100.0000' / 1in.	CHECKED - SLD	REVISED -			SCALE:	SHEET 6 OF 9 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		
	PLLOT DATE = 8/14/2015	DATE = 7/31/2015	REVISED -									

PAINT PAVEMENT MARKING SCHEDULE

LOCATION				PERF-PLASTIC PAV MARKING TYPE B, INLAID LETTERS & SYMBOLS (SQ FT)	GROOVING FOR RECESSED PAV MARKING LETTERS & SYMBOLS (SQ FT)	GROOVING FOR RECESSED PAVEMENT MARKING CURB (FOOT)	PERFORMED PLASTIC PAV MARKING LINE 4" (FOOT)	GROOVING FOR RECESSED PAVEMENT MARKING 5" (FOOT)	PERFORMED PLASTIC PAV MARKING LINE 6" (FOOT)	GROOVING FOR RECESSED PAVEMENT MARKING 7" (FOOT)	PERFORMED PLASTIC PAV MARKING LINE 8" (FOOT)	GROOVING FOR RECESSED PAVEMENT MARKING 9" (FOOT)	PERFORMED PLASTIC PAV MARKING LINE 12" (FOOT)	GROOVING FOR RECESSED PAVEMENT MARKING 13" (FOOT)	PERFORMED PLASTIC PAV MARKING LINE 24" (FOOT)	GROOVING FOR RECESSED PAVEMENT MARKING 25" (FOOT)	REMARKS
CL	13+04.38	OFFSET	2.34' LT.	15.6	15.6												CH-9 LEFT TURN ARROWS
CL	13+44.38	OFFSET	2.34' LT.	15.6	15.6												
CL	16+68.00	OFFSET	5.83' LT.	15.6	15.6												
CL	17+48.00	OFFSET	5.83' LT.	15.6	15.6												
CL	18+28.00	OFFSET	5.83' LT.	15.6	15.6												
CL	22+75.04	OFFSET	5.83' RT.	15.6	15.6												
CL	23+55.04	OFFSET	5.83' RT.	15.6	15.6												
CL	24+35.04	OFFSET	5.83' RT.	15.6	15.6												
CL	30+96.64	OFFSET	1.62' LT.	14.7	14.7												CH-9 URBAN 2-WAY LEFT TURN ARROW
CENTER	8+23.21	TO	30+68.75				5380	5380									CH-9, YELLOW CENTER LINES
RT	8+22.84	TO	30+14.26				1865	1865									CH-9, SOLID WHITE LINES RIGHT SIDE
LT	8+22.84	TO	30+14.26				1846	1846									CH-9, SOLID WHITE LINES LEFT SIDE
RAMP A	1+57.11	TO	2+82.05				350	350									RAMP A WHITE LINES RIGHT & LEFT SIDES
RAMP A	2+30.28	TO	2+76.10							210	210						WHITE LINES AROUND ISLAND
RAMP A	2+37.13	TO	2+76.96									111	111				WHITE LINES AROUND ISLAND AT 45° ANGLE
RAMP B	0+22.94	TO	2+00.00				409	409									RAMP B WHITE LINES RT & LT LINES
RAMP C	2+10.67	TO	5+61.69				825	825									RAMP C WHITE LINES RIGHT & LEFT SIDES
RAMP C	5+37.93	TO	5+87.04							176	176						WHITE LINES AROUND ISLAND
RAMP C	5+38.97	TO	5+84.47									88	88				WHITE LINES AROUND ISLAND AT 45° ANGLE
RAMP D	0+22.83	TO	2+95.00				599	599									RAMP D WHITE LINES RT & LT LINES
CL	15+48.06	TO	18+28.00														WHITE LINE CENTER TURN LANE
CL	22+75.04	TO	25+54.26						CH-9	280	280						
MEDIAN	8+74.74	TO	12+32.26									202	202				
MEDIAN	28+26.51	TO	29+05.63									78	78				
MEDIAN	15+85.75	TO	16+13.58									14	14				CH-9 BETWEEN DOUBLE CENTER LINE SOLID YELLOW AT 45° ANGLE
MEDIAN	24+85.97	TO	25+14.31									14	14				
RAMP A	2+45.54	TO	2+63.58												22	22	RAMP STOP BARS
RAMP A	2+62.57	TO	2+52.82												23	23	
RAMP C	5+44.08	TO	5+58.37												23	23	
RAMP C	5+54.68	TO	5+68.22												20	20	CH-9 LEFT TURN STOP BAR
CL	15+86.00	TO	15+86.00												12	12	
CL	25+14.06	TO	25+14.06												12	12	
I-74 (WB)	490+96.00	TO	498+02.00			706	706	706	180	180							YELLOW EDGE OF PAVEMENT AND CENTERLINE (WHITE SKIP DASH)
I-74 (EB)	492+13.00	TO	498+67.00			654	654	654	160	160							
RAMP A	0+60.00			24.3	24.3												
RAMP C	4+47.00			24.3	24.3												
TOTAL				188	188	1360	12634	12634	340	340	946	946	507	507	112	112	

SIGNING REMOVAL

STATION				REMOVE SIGN PANEL TYPE 1 (SQ FT)		REMOVE GROUND MOUNTED SIGN SUPPORT (EACH)	
STATION	SIDE	TYPE	SIZE				
CH-9							
11+71	LT	M1-6	24" X 24"	4		1	
13+44	RT	W14-3	40" X 40" X 30"	3.9		1	
17+62	RT	R12-I108	36" X 24"	6		1	
22+72	LT	R12-I108	36" X 24"	6		1	
TOTALS				19.9		4	

TRAFFIC CONTROL

LOCATION			TRAFFIC CONTROL SURVEILLANCE (CAL DA)	TEMPORARY BRIDGE TRAFFIC SIGNALS (SPECIAL) (EACH)	SHOULDER RUMBLE STRIPS 16" (FOOT)	TEMPORARY RUMBLE STRIPS (EACH)
CH 9	8+23.21	30+14.26	730	1		
I-74 (WB)	493+81.00	494+63.00			82	
I-74 (EB)	495+40.00	496+21.00			82	
RT	STAGE 1	0+80.00				1
RT	STAGE 1	4+20.00				1
RT	STAGE 1	9+20.00				1
TOTAL			730	1	164	3

EFK Moen, LLC
Civil Engineering Design

FILE NAME = Y:\13870 IDOT I-74 CH-9\Design\Final\Plotsheets\023-031-D488502-sht-schedule.dgn	USER NAME = jd	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - SLD	REVISOR -	REVISOR -
PLOT DATE = 8/14/2015	DATE - 7/31/2015	REVISOR -	REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET 7 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	29
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

TEMPORARY PAVEMENT MARKING SCHEDULE					SHORT TERM PMK	TEMP PMK LINE 4"	TEMP PMK LINE 24"	WORK ZONE PMK REMOV
LOCATION OR STAGE	LOCATION	STATION	LOCATION	STATION	(FOOT)	(FOOT)	(FOOT)	(SQ FT)
EDGE LINES	CH-9 RT	8+23.21	CH-9 RT	30+14.26	80			27
	CH-9 LT	8+23.21	CH-9 LT	30+14.26	80			27
	RAMP A BL	1+00.00	RAMP A BL	2+82.04	20			7
	RAMP B BL	0+22.94	RAMP B BL	2+00.00	20			7
	RAMP C BL	2+70.00	RAMP C BL	6+00.00	36			12
	RAMP D BL	0+22.83	RAMP D BL	2+95.00	28			9
CENTER LINES & MEDIANS	CH 9 CL	8+23.21	CH 9 CL	30+68.75	424			141
CORNER ISLANDS	RAMP A	2+30.21	RAMP A	2+79.10	32			11
	RAMP C	5+37.93	RAMP C	5+87.04	20			7
STOP BARS	CH-9	15+87.00	CH-9	25+13.06	24			24
	RAMP A	2+53.59	RMP A	2+64.15	45			45
	RAMP C	5+43.30	RMP C	5+67.52	43			43
LT TURN BAYS	CH-9 LT	15+48.06	CH-9 LT	18+28.00	12			4
	CH-9 RT	22+75.04	CH-9 RT	25+54.26	12			4
STAGE 1	CH-9 LT EOP	6+47.44		27+10.57		2064		688
	CH-9 LT & RT CL	26+01.40		27+29.06		493		164
	CH-9 RT EOP	6+47.44		27+14.24		2067		689
	RMP A LT & RT EOP	14+91.45		15+11.38		121		
	RMP C LT & RT EOP	25+86.55		26+18.17		126		
STAGE 2	CH-9 LT EOP	6+47.44		27+30.46		2083		316
	CH-9 LT & RT CL	26+59.97		27+31.85		277		
	CH-9 RT EOP	6+47.44		27+30.46		2085		316
STAGE 3	CH-9 LT EOP	13+90.92		15+95.45		205		82
	CH-9 LT & RT CL							92
	CH-9 RT EOP	12+68.32		15+95.45		328		82
	RMP C LT & RT EOP	25+86.55		26+18.17				42
STAGE 4	CH-9 LT EOP	24+84.98		29+10.00		425		506
	CH-9 LT & RT CL	30+39.59		31+86.80		590		197
	CH-9 RT EOP	24+84.98		31+86.80		703		640
STAGE 5	CH-9 LT EOP	11+55.08		30+93.94		1941		219
	CH-9 CL	11+43.84		30+98.42		3913		442
	CH-9 RT EOP	11+35.07		29+96.22		1863		186
STAGE 6	CH-9 LT EOP	24+37.41		27+84.95		1864		
	CH-9 LT & RT CL	24+37.41		27+85.95		5149		
	CH-9 RT EOP	24+37.41		27+58.81		1808		
	RAMP B LT EOP	0+29.35		2+00.00		177		
	RAMP B RT EOP	0+28.08		2+00.00		195		
	RAMP C LT EOP	2+69.99		5+58.22		298		
	RAMP C RT EOP	2+69.99		6+00.00		392		
	RAMP D LT EOP	0+05.67		2+95.00		292		
	RAMP D RT EOP	0+23.01		2+95.00		325		
	RMP A LT & RT EOP	14+91.45		15+11.38		243		81
STAGE 7	CH-9 LT EOP	11+55.08		27+84.95				544
	CH-9 CL	11+43.84		24+37.41				863
	CH-9 LT & RT CL	24+37.41		27+85.95				447
	CH-9 RT EOP	11+35.07		27+58.81				542
STAGE 8	CH-9 LT EOP	12+87.24		29+08.50		1629		543
	CH-9 LT, CL	11+77.35		28+85.76		1715		571
	CH-9 RT, CL	11+71.95		29+01.82		1756		585
	CH-9 RT EOP	12+78.46		29+08.50		1665		555
STAGE 1	CH-9 N STOP BAR	6+46.30		6+46.30			11	21
	RMP A STOP BAR	14+91.45		15+07.41			16	32
	RMP C STOP BAR	26+02.71		26+18.17			16	32
	CH-9 S. STOP BAR	27+41.46		27+41.46			12	24
	C. E. STOP BAR	12+68.09		12+83.08			15	30
STAGE 3	CH-9 N. STOP BAR	12+27.26		12+27.31			11	23
	C. E. STOP BAR	12+66.96		12+81.96			15	30
STAGE 4	CH-9 S. STOP BAR	30+50.59		30+50.59			11	23
	C. E. STOP BAR	30+05.94		30+20.94			15	30
STAGE 5	RMP C STOP BAR	25+83.08		26+05.55			25	49
	RMP C STOP BAR	26+43.74		26+55.78			23	45
STAGE 6A, 6B, & 6C	RMP A STOP BAR	14+00.00					41	82
	RMP A STOP BAR	15+00.00					38	76
WINTER SHUT-DOWN	CH-9 LT. EOP	8+23.16		29+16.45		682		
	CH-9 CL	8+23.16		29+16.45		2560		
	CH-9 RT EOP	8+23.16		29+16.45		605		
	RAMP A LT EOP	2+62.02		2+00.88		61		
	RAMP A RT EOP	2+61.46		2+00.81		61		
	RAMP A STOP BAR	2+62.02					16	32
	RAMP B LT EOP	0+29.35		2+00.00		177		
	RAMP B RT EOP	0+28.08		2+00.00		195		
	RAMP C LT EOP	2+69.99		5+58.22		298		
	RAMP C RT EOP	2+69.99		6+00.00		392		
	RAMP D LT EOP	0+05.67		2+95.00		292		
	RAMP D RT EOP	0+23.01		2+95.00		325		
	TOTAL					876	42,440	264

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\$MODELNAME\$	PLOT DATE = 8/14/2015	DATE - 7/31/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET 8 OF 9 SHEETS STA. TO STA.

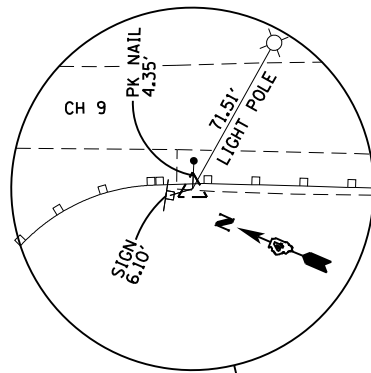
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	30
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

SIGNING															
ROUTE	STATION	SIDE	TYPE	SIZE	SIGN PANEL TYPE 1 (SQ FT)	RELOCATE SIGN PANEL TYPE 1 (SQ FT)	RELOCATE SIGN PANEL TYPE 2 (SQ FT)	RELOCATE SIGN PANEL TYPE 3 (SQ FT)	TELESCOPING STEEL SIGN SUPPORT (FOOT)	BASE FOR TELESCOPING STEEL SIGN SUPPORT (EACH)	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY (POUND)	WOOD SIGN SUPPORT (FOOT)	DRILLED SHAFT CONCRETE FOUNDATIONS (CU YD)	REMOVE CONCRETE FOUNDATION - GROUND MOUNT (EACH)	
CH-9	10+88	RT	GUIDE SIGN	132" X 78"				71.5			896.5		2.4	2	
	11+29	LT	M1-6	24" X 24"	4							15.98			
	12+29	LT	NO CL I II III TRCK ACCESS	24" X 36"		6						16.97			
	13+29	LT	R5-2	24" X 24"		4							18.55		
			2 MILES AHD 8 TON WEIGHT LMT	24" X 30"		5									
	14+05	RT	R3-2	24" X 24"		4			9	1					
	14+06	RT	M3-4(I)	24" X 12"		2							18.79		
			M1-1	24" SHIELD		4									
			M6-3(I)	21" X 15"		2.2									
			M3-2(I)	24" X 12"		2									
			M1-1	24" SHIELD		4									
	15+76	LT	R3-2	24" X 24"			4						14.07		
			R3-1	24" X 24"			4								
	15+83	LT	GUIDE SIGN	108" X 96"				72			1008.5		2.4	2	
	16+27	RT	R4-7c	18" X 30"		3.8			9.50	1					
	16+87	RT	M3-4(I)	24" X 12"		2							17.70		
			M1-1	24" SHIELD		4									
			M5-1(I)	21" X 15"		2.2									
	23+51	LT	R2-1	24" X 30"			5					15.98			
	24+00	RT	SPEED ZONE AHEAD	24" X 30"			5					15.98			
	24+50	LT	M3-2(I)	24" X 12"		2							17.74		
			M1-1	24" SHIELD		4									
			M5-1(I)	21" X 15"		2.2									
	24+72	LT	R4-7c	18" X 30"			3.8		9.50	1					
	25+19	RT	GUIDE SIGN	102" X 96"				68			785.0		1.4	2	
25+33	RT	R3-1	24" X 24"			4						14.65			
		R3-2	24" X 24"			4									
27+23	LT	M3-2(I)	24" X 12"		2							16.71			
		M1-1	24" SHIELD		4										
		M6-3(I)	21" X 15"		2.2										
		M3-4(I)	24" X 12"		2										
		M1-1	24" SHIELD		4										
28+26	RT	R3-2	24" X 24"			4		9	1			18.26			
		GUIDE SIGN	42" X 18"			5.3									
31+34	LT	SPECIFIC SERVICE SIGN	30" X 60"				12.5					15.32			
		M2-1(I)	30" X 21"		4.4										
RAMP A	0+48	RT	M1-1	24" SHIELD		4						14.47			
			R5-1a	36" X 24"			6								
			M4-5	24" X 12"			2								
	0+48	RT	M1-6	24" SHIELD			4					16.15			
			M6-1(I)	21" X 15"			2.2								
			R5-1a	36" X 24"			6								
	2+33	RT	R1-1	36" STOP			9					17.98			
			R5-1	36" X 36"			9								
			R6-1	36" X 12"		3									
	2+48	LT	R6-1	36" X 12"			3					16.62			
			R6-1	36" X 12"			3								
			R1-1	36" X 36"			9								
	2+62	LT	R6-1	36" X 12"			3					15.16			
			R5-1	36" X 36"			9								
	2+65	RT	R1-1	36" STOP			9					11.08			
R6-1			36" X 12"			3									
RAMP B	1+23	RT	R6-1	36" X 12"			3					18.83			
			R5-I100	48" X 60"			20								
			R5-1a	36" X 24"			6								
	4+35	LT	R5-1a	36" X 24"			6					14.54			
			R1-1	36" STOP			9								
			R6-1	36" X 12"			3								
	5+35	LT	R6-1	36" X 12"			3					16.62			
			R6-1	36" X 12"			3								
			R1-1	36" STOP			9								
	5+43	RT	R5-1	36" X 36"			9					18.90			
			R6-1	36" X 12"			3								
			R6-1	36" X 12"		3									
	5+48	LT	R6-1	36" X 12"			3					15.16			
			R5-1	36" X 36"			9								
	5+60	LT	R1-1	36" STOP			9					11.08			
R6-1			36" X 12"			3									
RAMP D	1+38	RT	R6-1	36" X 12"			3				17.44				
			R5-I100	48" X 60"			20								
TOTALS					78.2	203.5	52.5	211.5	60	6	2,690	413	6.2	6	

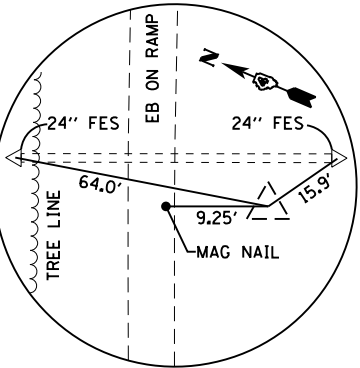
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		DRAWN - SJF	REVISED -		74	(48-27HB-3)BR	KNOX	220	31				
		CHECKED - SLD	REVISED -						CONTRACT NO. 88502				
MODELNAME	PLOT DATE = 8/14/2015	DATE - 7/31/2015	REVISED -		SCALE:	SHEET 9 OF 9 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				

PROP. CURVE RAMP A
 PI STA. = 1+26.90
 $\Delta = 24^\circ 17' 10''$ (LT)
 $D = 13^\circ 48' 22''$
 $R = 415.00'$
 $T = 89.29'$
 $L = 175.91'$
 $E = 9.50'$
 P.C. STA = 0+37.61
 P.T. STA = 2+13.51



CONTROL POINT #1022
 STA 13+50.23 21.52' RT.
 $N = 1550393.500$
 $E = 2260450.390$
 $Z = 761.26$



CONTROL POINT #6000
 STA 00+00.00 17.48' RT.
 $N = 1549402.730$
 $E = 2261438.840$
 $Z = 759.07$

PR C FAS 1400 (CH 9/HENDERSON RD)

POT STA 7+79.53
 $N = 1550927.208$
 $E = 2260247.124$
 BEGIN PROJECT
 8+23.21

PC STA 0+37.61
 $N = 1550330.291$
 $E = 2260779.329$
 +56.99
 END CONST.

PT STA 2+13.51
 $N = 1550301.886$
 $E = 2260607.062$

POT STA 2+46.53
 $N = 1550173.109$
 $E = 2260299.986$

C STA 14+95.53 CH 9 =
 B STA 3+00.00 RAMP A =
 B STA 0+00.00 RAMP B
 $N = 1550270.177$
 $E = 2260526.600$

C STA 20+00.00 CH 9 =
 C STA 494+63.32 I-74
 $N = 1549804.874$
 $E = 2260726.602$

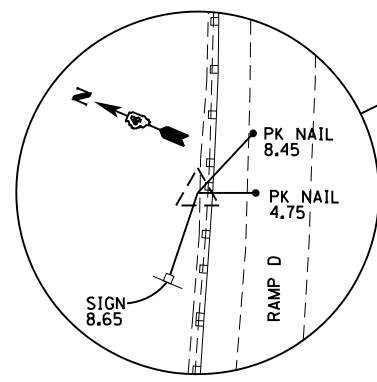
PC STA 3+01.50
 $N = 1549181.379$
 $E = 2260680.656$

PT STA 0+66.93
 $N = 1549185.741$
 $E = 2260447.174$

POT STA 5+02.40
 $N = 1549421.476$
 $E = 2261438.243$

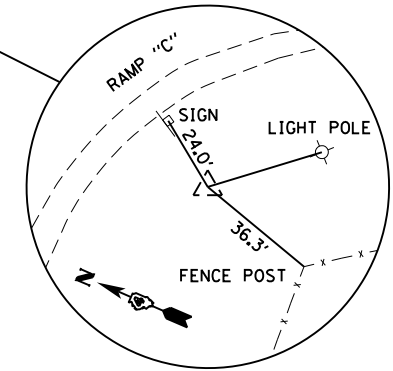
C STA 26+31.55 CH 9 =
 B STA 6+00.00 RAMP C =
 B STA 0+00.00 RAMP D
 $N = 1549224.650$
 $E = 2260976.001$

POT STA 35+84.30
 $N = 1548349.334$
 $E = 2261352.240$
 END PROJECT
 30+14.26



CONTROL POINT #1019
 STA 3+20.83 14.34' RT.
 $N = 1550157.030$
 $E = 2260226.040$
 $Z = 755.75$

PT STA 0 483+74.27
 $N = 1549962.322$
 $E = 2259648.989$

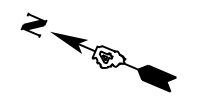


CONTROL POINT #1002
 TBM "A"
 STA 5+47.33 53.83' RT.
 $N = 1549163.748$
 $E = 2260931.689$
 $Z = 767.58$

BENCHMARKS:

TBM A - CONTROL POINT NO. 1002-5/8" IRON ROD IN SOUTHEAST QUADRANT OF EXISTING INTERSECTION BETWEEN C.H. 9 AND THE EASTBOUND OFF RAMP LOCATED 64.76' RIGHT OF STATION 26+70.01 ELEVATION 767.58.

PROP. CURVE RAMP C
 PI STA. = 1+85.28
 $\Delta = 18^\circ 48' 38''$ (LT)
 $D = 8^\circ 01' 08''$
 $R = 714.50'$
 $T = 118.35'$
 $L = 234.57'$
 $E = 9.74'$
 P.C. STA = 0+66.93
 P.T. STA = 3+01.50



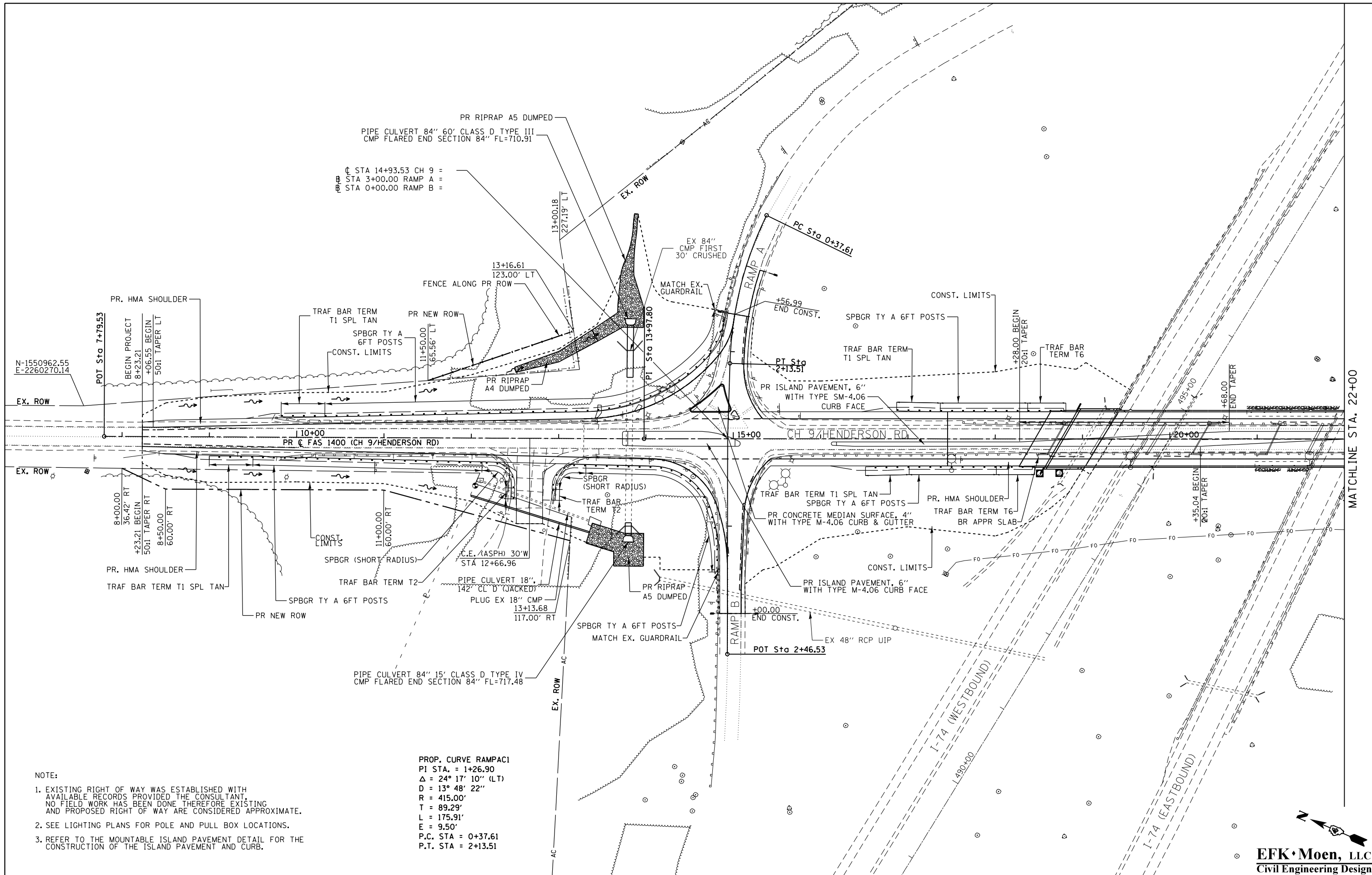
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		CHECKED - SLD	REVISED -
		DATE - 7/31/2015	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

LINE DIAGRAM, ALIGNMENT, TIES AND BENCHMARKS	
SCALE: 1" = 100'	SHEET NO. 1 OF 1 SHEET
STA. 7+79.53. TO STA 35+84.30	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	32
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				



- NOTE:
- EXISTING RIGHT OF WAY WAS ESTABLISHED WITH AVAILABLE RECORDS PROVIDED THE CONSULTANT. NO FIELD WORK HAS BEEN DONE THEREFORE EXISTING AND PROPOSED RIGHT OF WAY ARE CONSIDERED APPROXIMATE.
 - SEE LIGHTING PLANS FOR POLE AND PULL BOX LOCATIONS.
 - REFER TO THE MOUNTABLE ISLAND PAVEMENT DETAIL FOR THE CONSTRUCTION OF THE ISLAND PAVEMENT AND CURB.

PROP. CURVE RAMPAC1
 P.I. STA. = 1+26.90
 $\Delta = 24^\circ 17' 10''$ (LT)
 $D = 13^\circ 48' 22''$
 $R = 415.00'$
 $T = 89.29'$
 $L = 175.91'$
 $E = 9.50'$
 P.C. STA = 0+37.61
 P.T. STA = 2+13.51

MATCHLINE STA. 22+00



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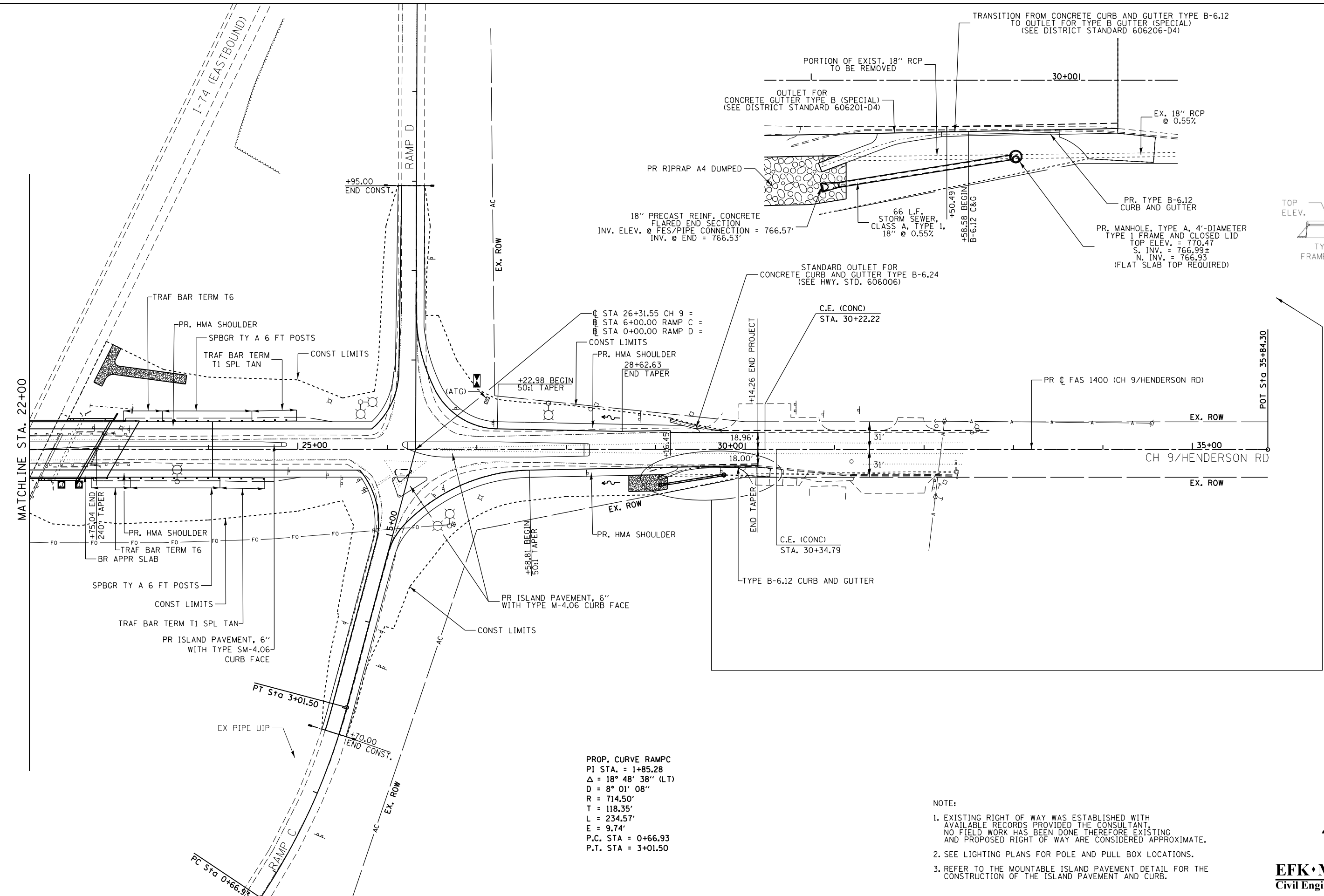
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		CHECKED - SLD	REVISED -
		DATE - 7/31/2015	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DESIGN PLAN

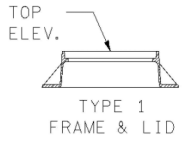
SCALE: 1" = 50' SHEET NO. 1 OF 2 SHEETS STA. 7+79.63 TO STA. 22+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	33
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				



PROP. CURVE RAMPC
 PI STA. = 1+85.28
 $\Delta = 18^\circ 48' 38''$ (LT)
 $D = 8^\circ 01' 08''$
 $R = 714.50'$
 $T = 118.35'$
 $L = 234.57'$
 $E = 9.74'$
 P.C. STA = 0+66.93
 P.T. STA = 3+01.50

- NOTE:
- EXISTING RIGHT OF WAY WAS ESTABLISHED WITH AVAILABLE RECORDS PROVIDED THE CONSULTANT. NO FIELD WORK HAS BEEN DONE THEREFORE EXISTING AND PROPOSED RIGHT OF WAY ARE CONSIDERED APPROXIMATE.
 - SEE LIGHTING PLANS FOR POLE AND PULL BOX LOCATIONS.
 - REFER TO THE MOUNTABLE ISLAND PAVEMENT DETAIL FOR THE CONSTRUCTION OF THE ISLAND PAVEMENT AND CURB.



FILE NAME = Y:\13870 IDOT 1-74 CH-9\Design\Final	USER NAME = jd	DESIGNED - JRD	REVISED -
Plotsheets\034-D488502-sht-plan02.dgn		DRAWN - MSK	REVISED -
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PLOT DATE = 8/14/2015		DATE - 7/31/2015	REVISED -

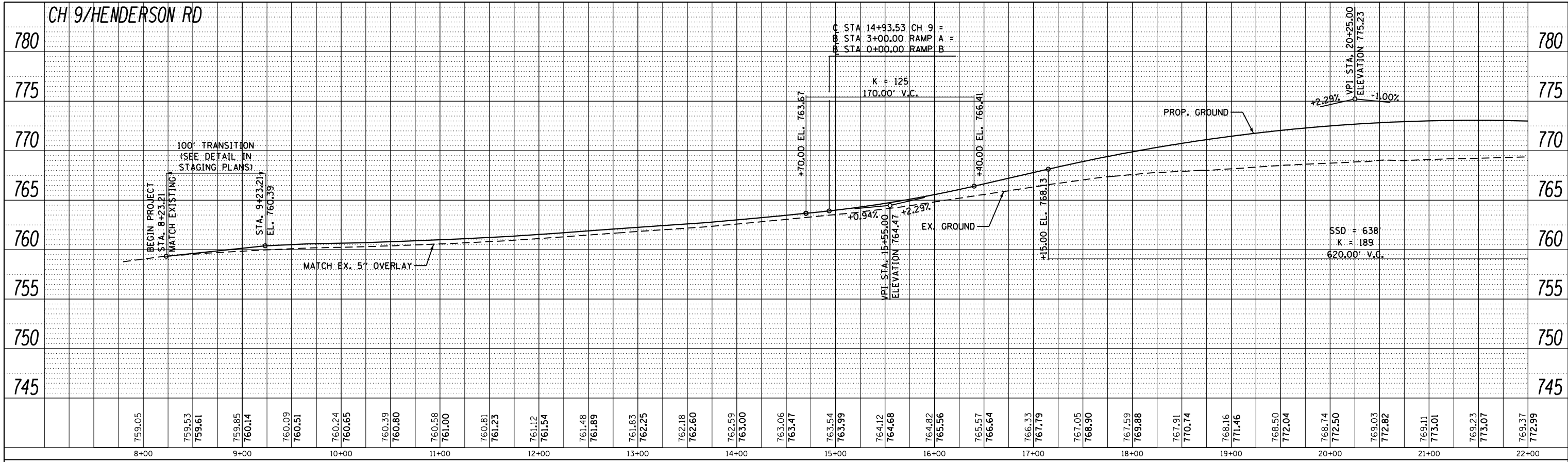
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DESIGN PLAN
 SCALE: 1" = 50' SHEET NO. 2 OF 2 SHEETS STA. 22+00.00 TO STA. 35+84.41

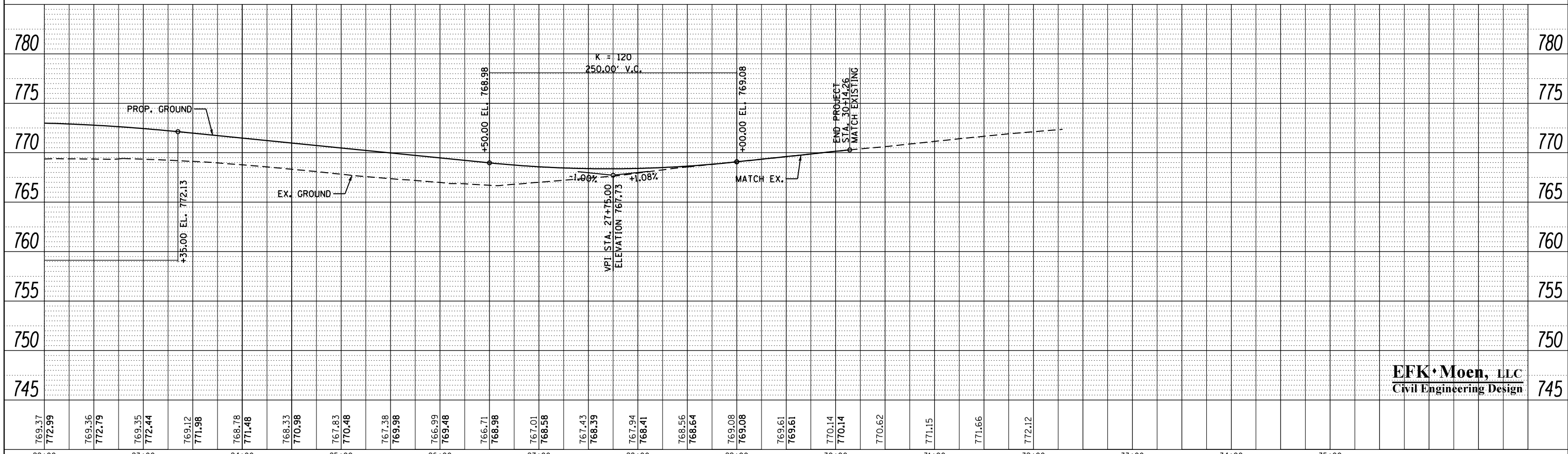
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	34
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

EFK Moen, LLC
 Civil Engineering Design

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		
	CHECKED		
	FILE NAME		



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
	NOTATIS		
	NO.		



EFK·Moen, LLC
Civil Engineering Design

FILE NAME =	USER NAME = jd	DESIGNED - JRD	REVISED -
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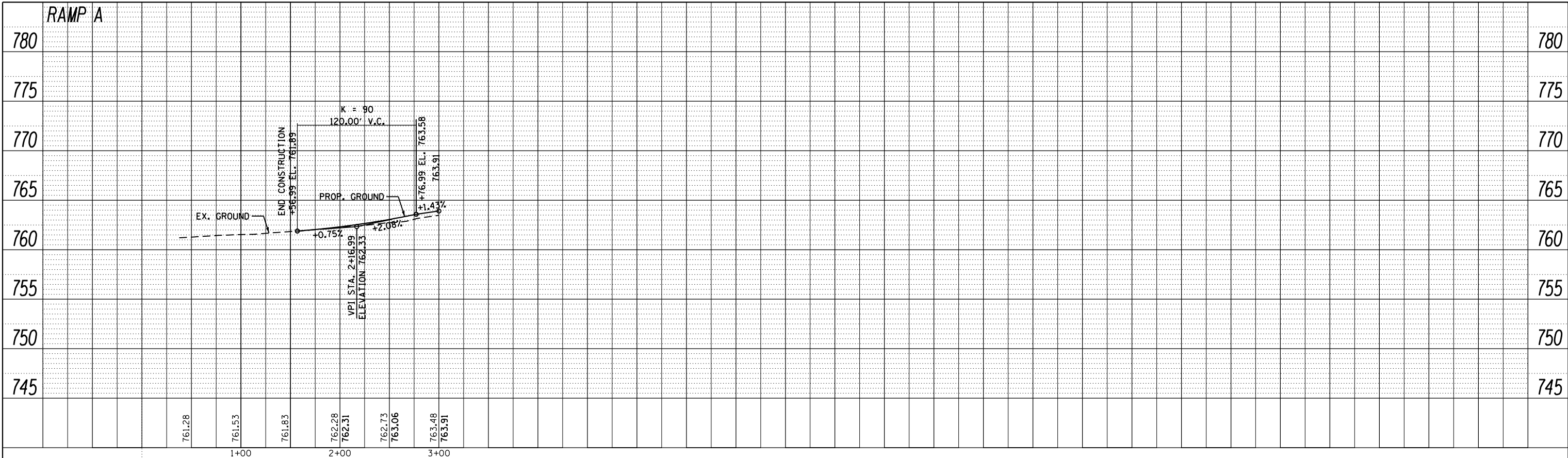
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DESIGN PROFILE

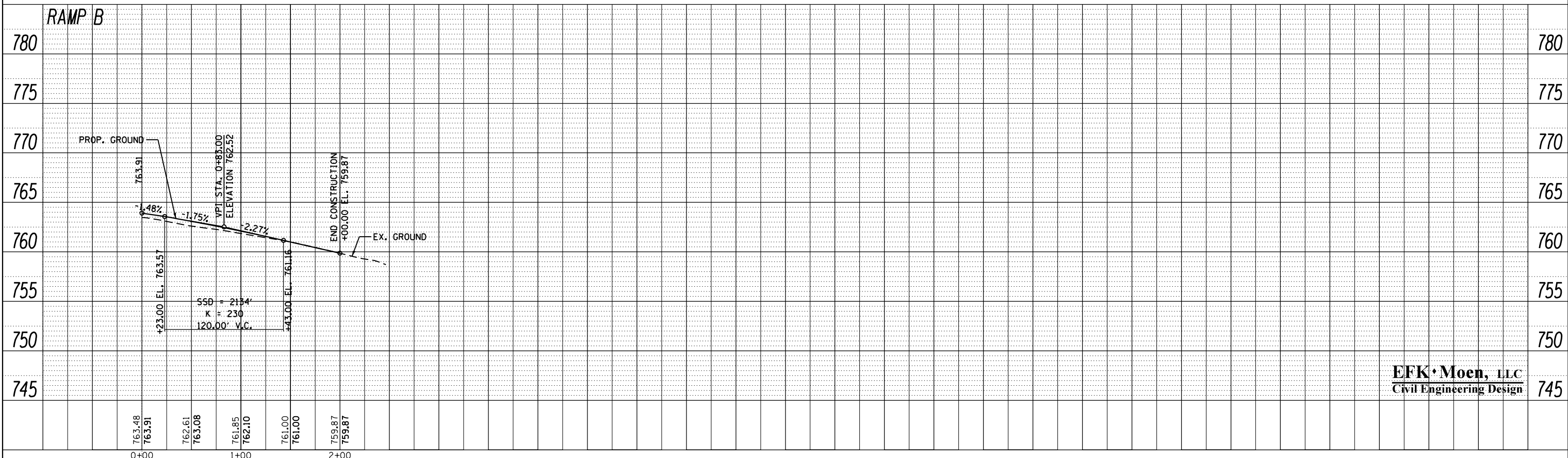
SCALE: 50'H : 5'V SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	35
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		
	CHECKED		
	FILE NAME		



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
	NOT AT THIS OFFICE		
	NO.		



EFK Moen, LLC
Civil Engineering Design

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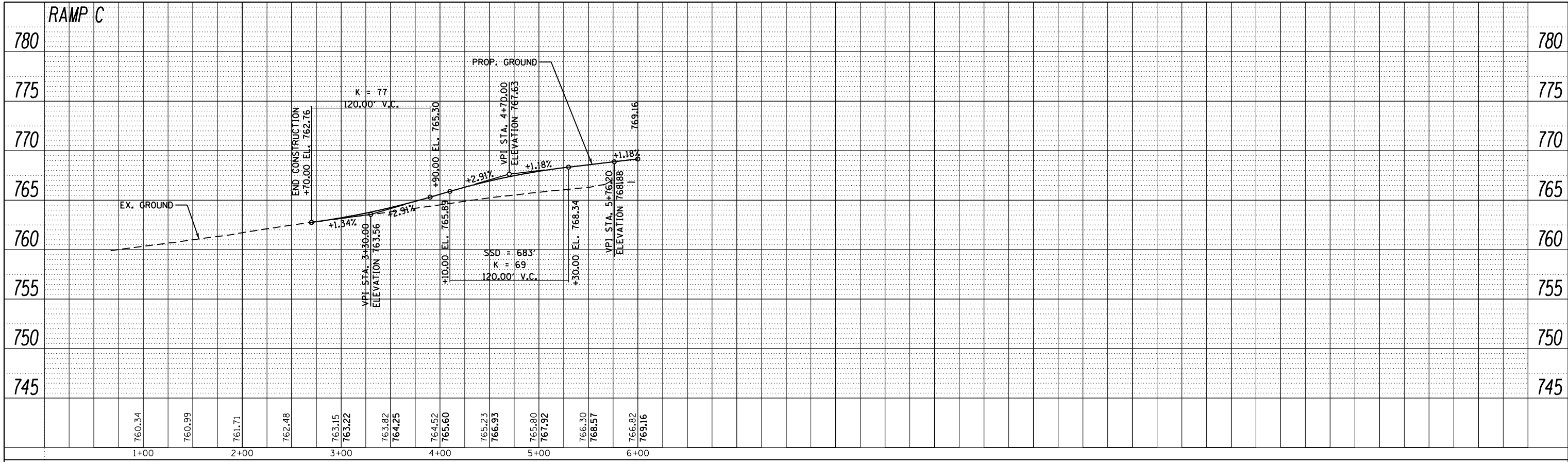
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DESIGN PROFILE

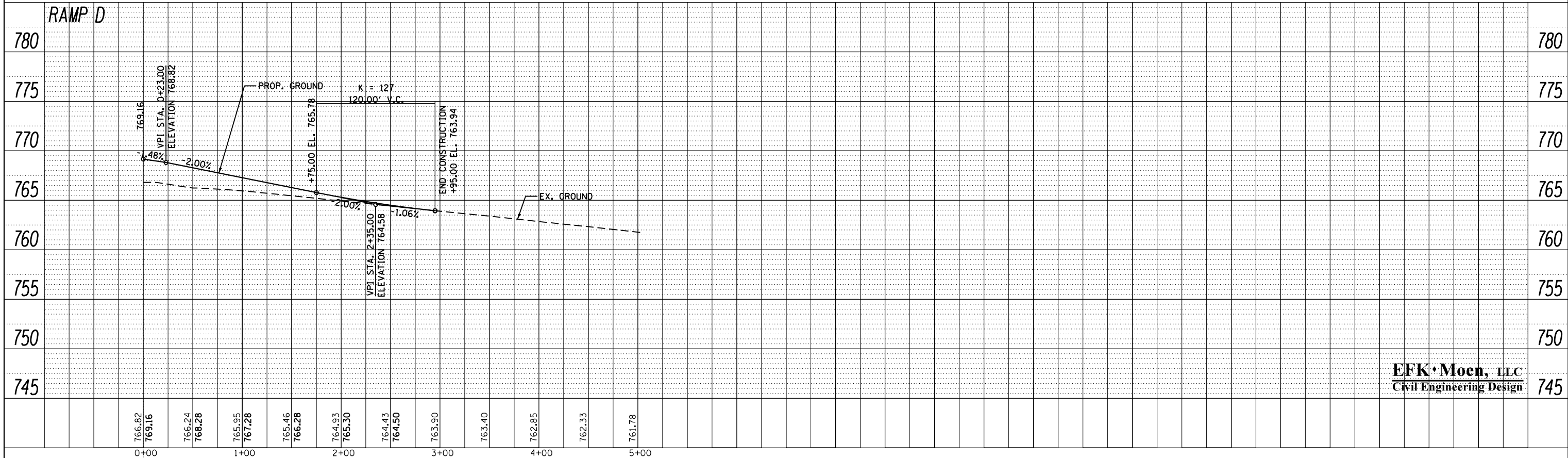
SCALE: 50'H : 5'V SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	36
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		
	CHECKED		
	FILE NAME		



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
	NOTATIS		
	CPAD		
	NO.		



EFK·Moen, LLC
Civil Engineering Design

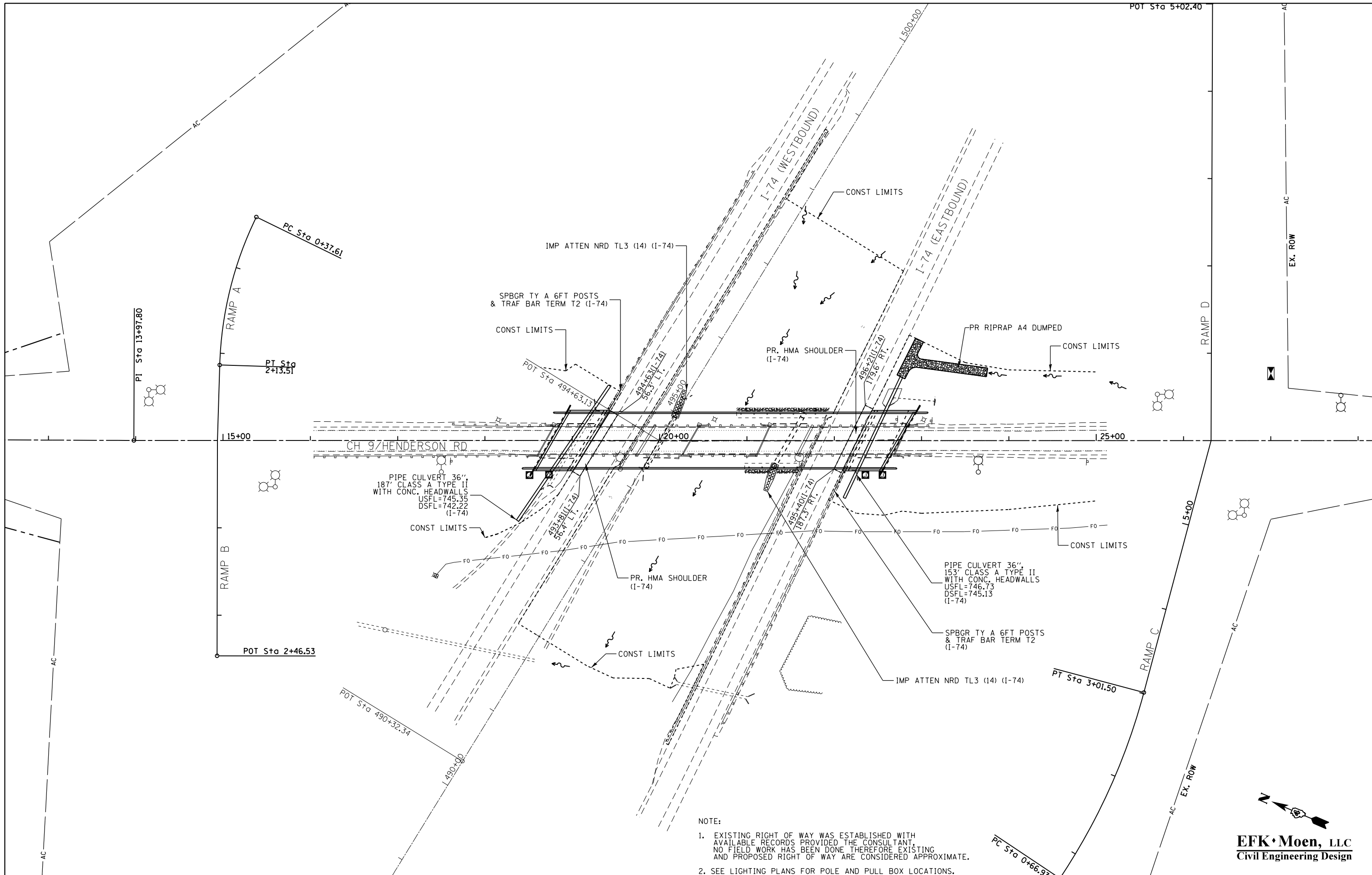
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		DRAWN -	REVISED -
		JRD	
		CHECKED -	REVISED -
		SLD	
MODELNAME	PLOT DATE =	DATE -	REVISED -
	8/14/2015	7/31/2015	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DESIGN PROFILE

SCALE: 50'H : 5'V SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	37
				CONTRACT NO. 88502
ILLINOIS FED. AID PROJECT				



NOTE:
 1. EXISTING RIGHT OF WAY WAS ESTABLISHED WITH AVAILABLE RECORDS PROVIDED THE CONSULTANT. NO FIELD WORK HAS BEEN DONE THEREFORE EXISTING AND PROPOSED RIGHT OF WAY ARE CONSIDERED APPROXIMATE.
 2. SEE LIGHTING PLANS FOR POLE AND PULL BOX LOCATIONS.

EFK Moen, LLC
 Civil Engineering Design

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PLOT DATE = 8/14/2015	DATE - 7/31/2015		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DESIGN PLAN

SCALE: 1" = 50' SHEET NO. 1 OF 1 SHEETS STA. 489+00.00 TO STA. 500+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	38
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				



1 W20-3
48" X 48"



2 R11-2
48" X 30"



3 M6-2(R)
21" X 15"



4 M6-3
21" X 15"



5 M4-8a
24" X 24"



6 M4-8
24" X 12"



7 W20-2
48" X 48"



8 M1-6
24" X 24"



9 M6-1(L)
21" X 15"



10 M1-1.2
24" X 24"



11 M3-2
24" X 12"



12 M6-1(R)
21" X 15"



13 M5-2(R)
21" X 15"



14 M5-1(L)
21" X 15"



15 SPECIAL
24" X 18"



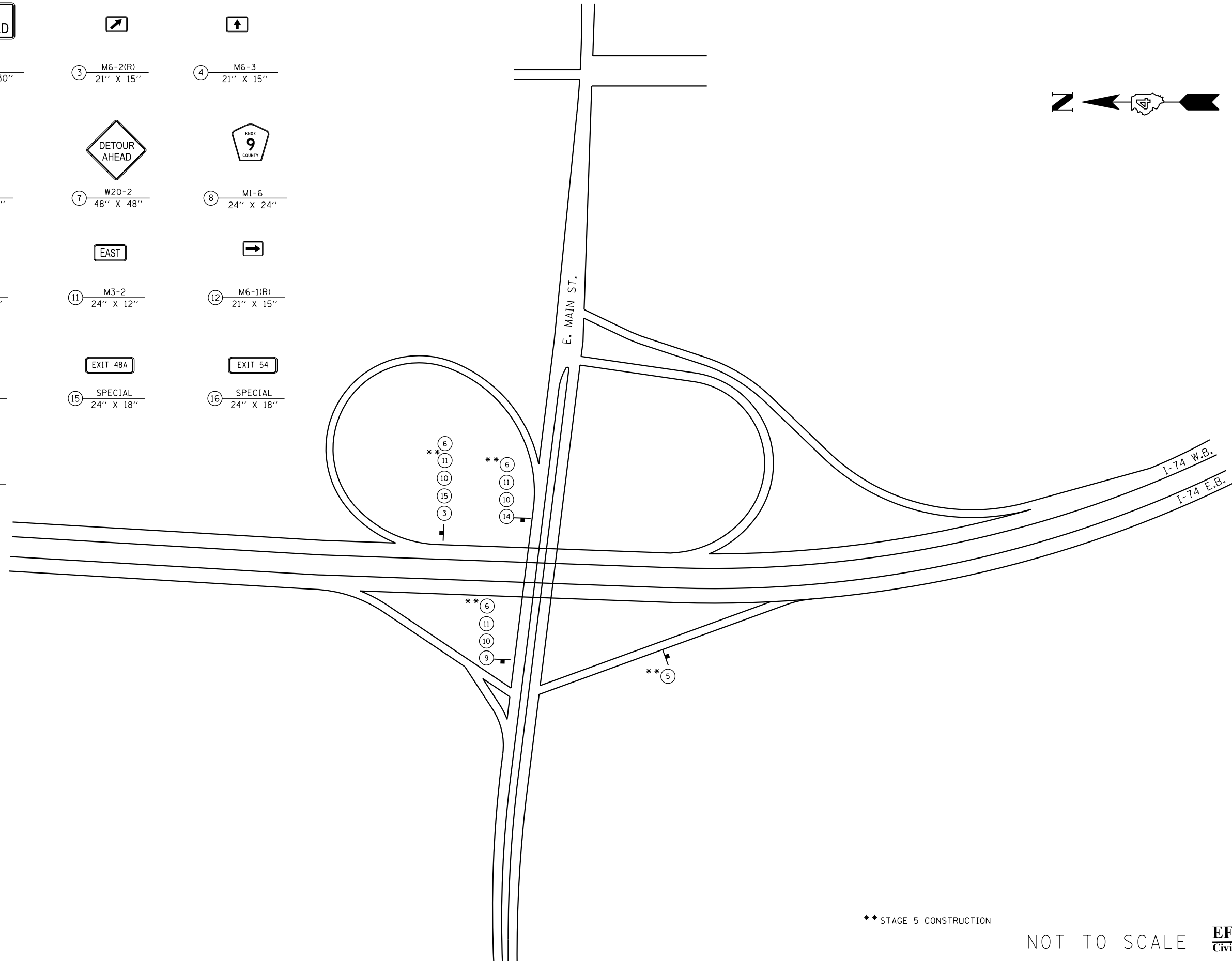
16 SPECIAL
24" X 18"



17 SPECIAL
24" X 18"



18 M5-1(R)
21" X 15"



** STAGE 5 CONSTRUCTION

NOT TO SCALE

EFK Moen, LLC
Civil Engineering Design

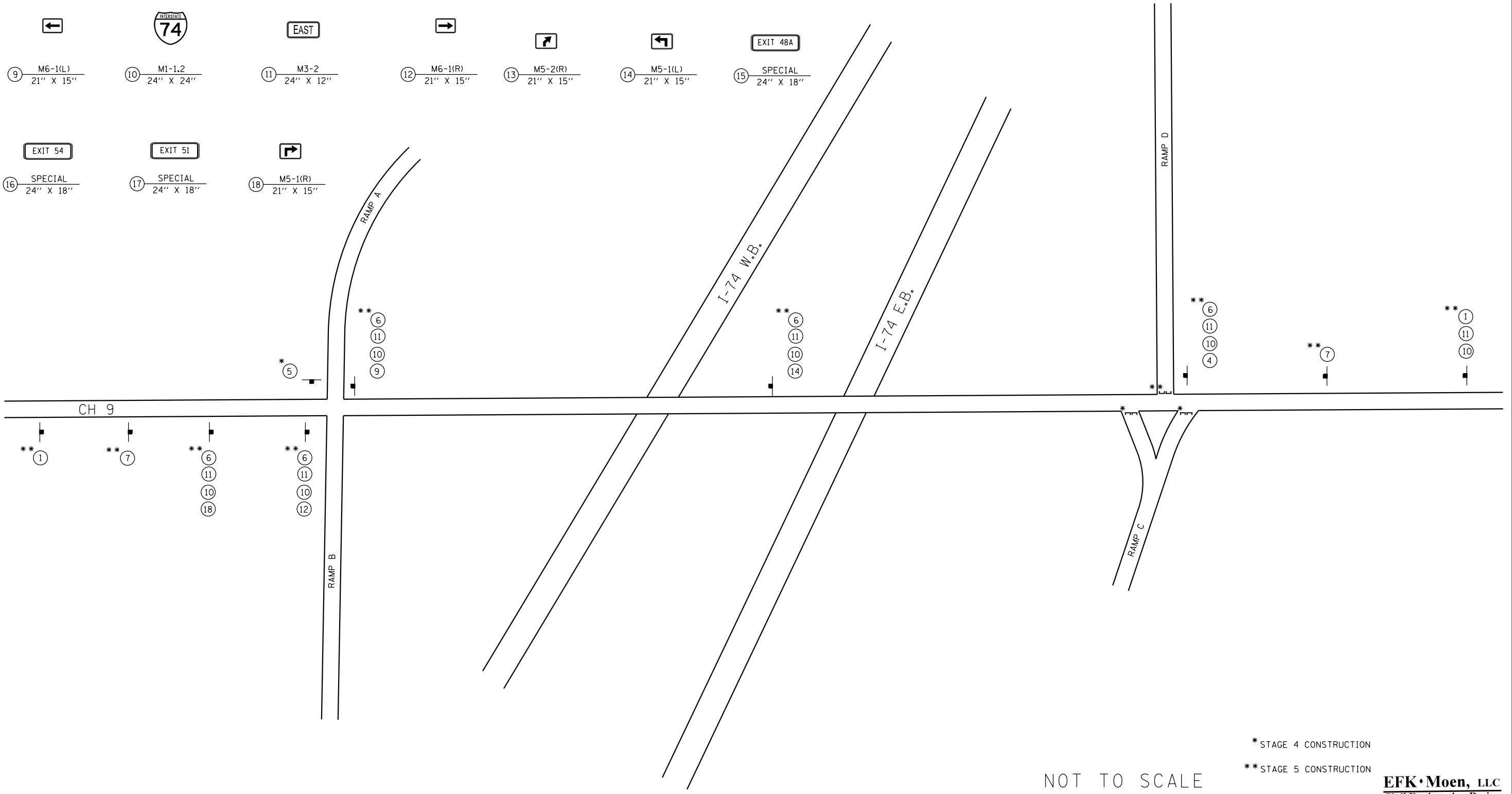
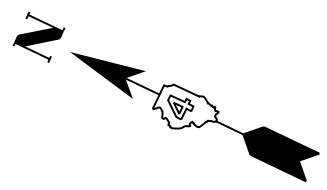
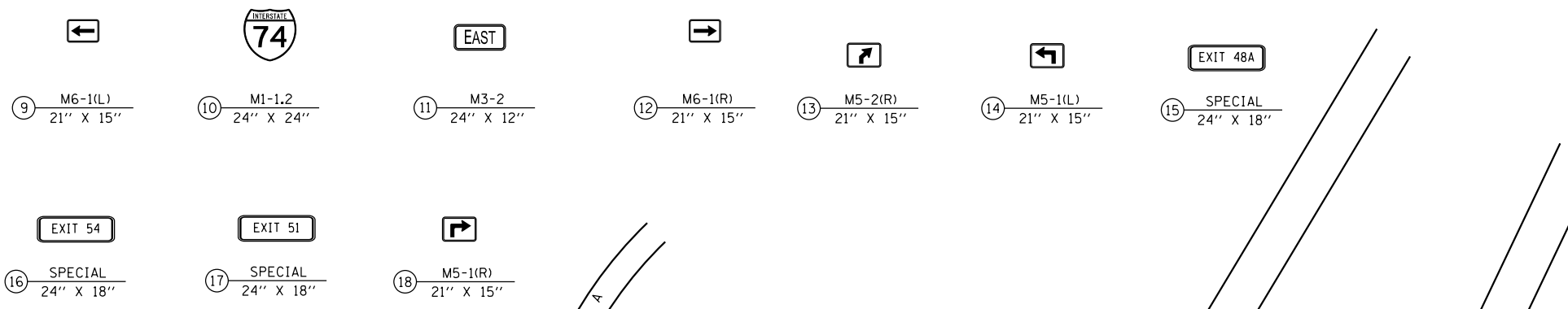
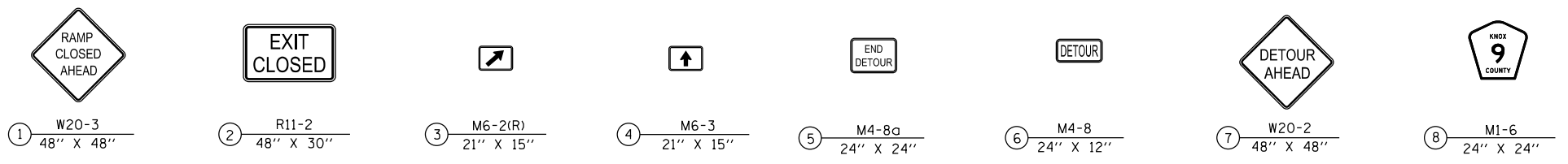
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		CHECKED - SLD	REVISED -
		DATE - 7/31/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING DETOUR AND ROAD CLOSURE DETAIL
- EXIT 48A (GALESBURG)

SCALE: N.T.S. SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	40
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				



NOT TO SCALE

* STAGE 4 CONSTRUCTION
 ** STAGE 5 CONSTRUCTION

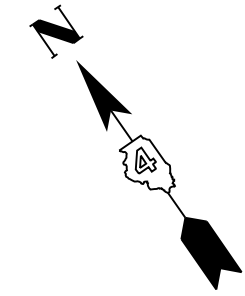
EFK Moen, LLC
 Civil Engineering Design

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	PLOT DATE = 8/14/2015	CHECKED - SLD	REVISED -
		DATE - 7/31/2015	REVISED -

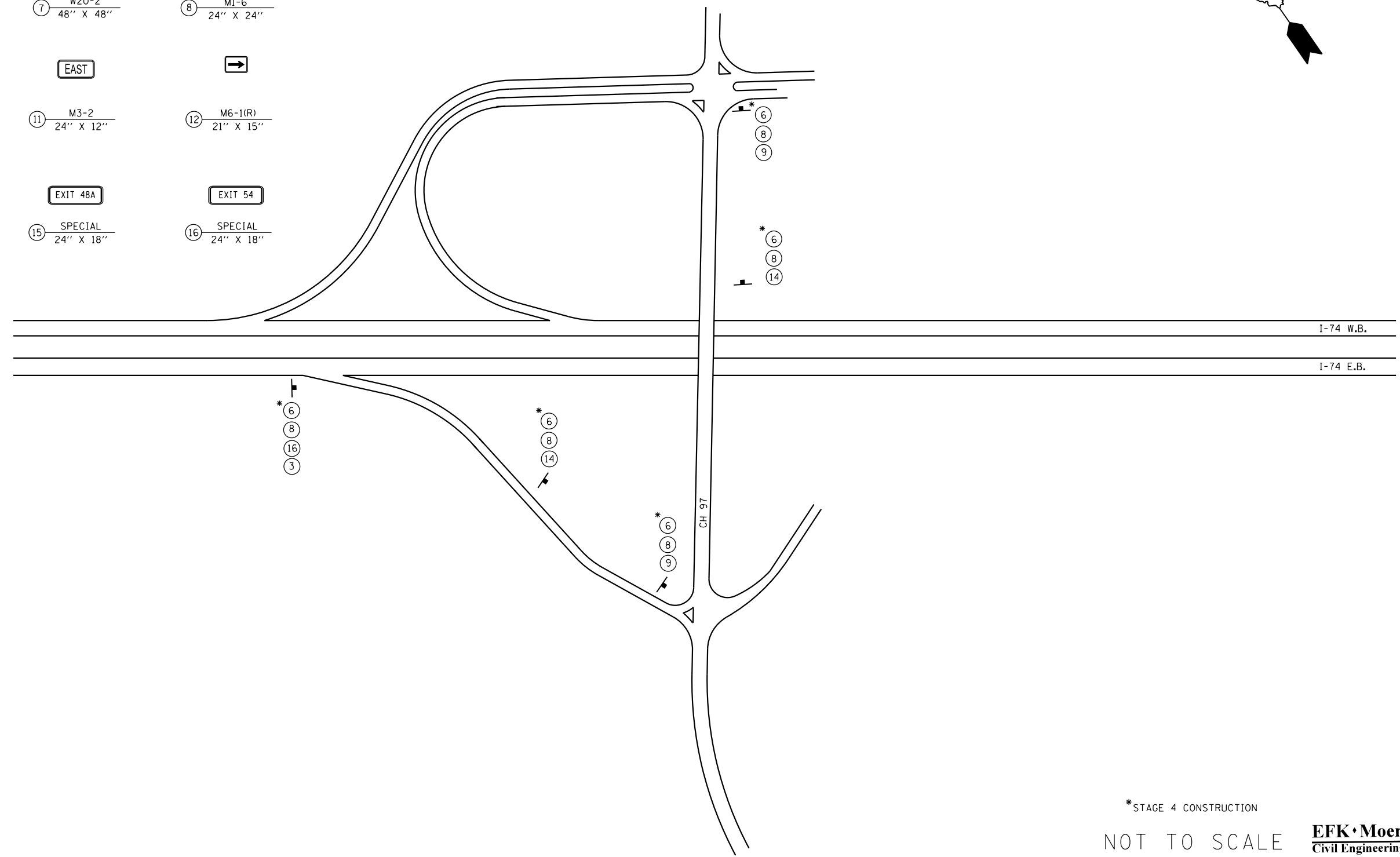
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING DETOUR AND ROAD CLOSURE DETAIL			
- EXIT 51 (KNOXVILLE)			
SCALE: N.T.S.	SHEET 3 OF 4 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	41
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				



- | | | | |
|--|---|---|---|
| ① RAMP CLOSED AHEAD
W20-3
48" X 48" | ② EXIT CLOSED
R11-2
48" X 30" | ③ ↗
M6-2(R)
21" X 15" | ④ ↑
M6-3
21" X 15" |
| ⑤ END DETOUR
M4-8a
24" X 24" | ⑥ DETOUR
M4-8
24" X 12" | ⑦ DETOUR AHEAD
W20-2
48" X 48" | ⑧ KNOX COUNTY 9
M1-6
24" X 24" |
| ⑨ ←
M6-1(L)
21" X 15" | ⑩ INTERSTATE 74
M1-1.2
24" X 24" | ⑪ EAST
M3-2
24" X 12" | ⑫ →
M6-1(R)
21" X 15" |
| ⑬ ↗
M5-2(R)
21" X 15" | ⑭ ↖
M5-1(L)
21" X 15" | ⑮ EXIT 48A
SPECIAL
24" X 18" | ⑯ EXIT 54
SPECIAL
24" X 18" |
| ⑰ EXIT 51
SPECIAL
24" X 18" | ⑱ ↗
M5-1(R)
21" X 15" | | |



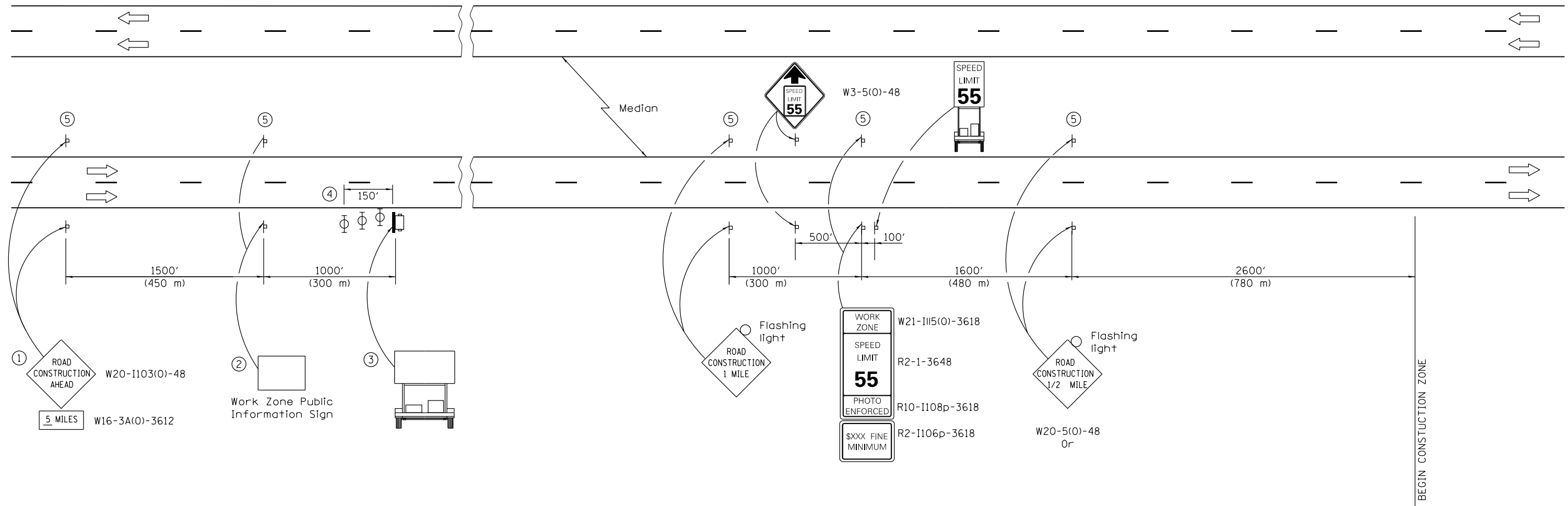
*STAGE 4 CONSTRUCTION

NOT TO SCALE

EFK Moen, LLC
Civil Engineering Design

FILE NAME = Y:\13070 IDOT I-74 CH-9\Design\Final\Plotsheets\042-D488502-sht-stagedetour4.dgn	USER NAME = jd	DESIGNED - BJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGING DETOUR AND ROAD CLOSURE DETAIL - EXIT 54 (CH-97, US RTE. 150)	F.A.I. RTE. = 74	SECTION = (48-27HB-3)BR	COUNTY = KNOX	TOTAL SHEETS = 220	SHEET NO. = 42		
MODELNAME	PLOT SCALE = 60.00' / in.	CHECKED - SLD	REVISED -			SCALE: N.T.S.	SHEET 4 OF 4 SHEETS	STA. TO STA.	CONTRACT NO. 88502			
	PLOT DATE = 8/14/2015	DATE = 7/31/2015	REVISED -			ILLINOIS FED. AID PROJECT						

STAGING DETAIL: APPROACH TO CONSTRUCTION ZONE



SYMBOLS

- Portable changeable message sign
- Sign
- Type II barricade, drum, or vertical barricade with monodirectional flashing light

- ① The Road Construction Ahead sign shall be located 3 to 5 miles in advance of the project limits.
- ② The message and size of the Work Zone Public Information Sign shall be as specified by the Department.
- ③ The message board shall be used to display status of lanes within the project. The primary messages shall be: REDUCE SPEED on page 1 and 5 MILES AHEAD on page 2
- ④ Three, Type II barricades, drums, or vertical barricades at 50' (15 m) centers.
- ⑤ This sign shall be omitted when median width is less than 10' (3 m).

GENERAL NOTES

The first two signs and the message board are stationary.
 All dimensions are in inches (millimeters) unless otherwise shown.

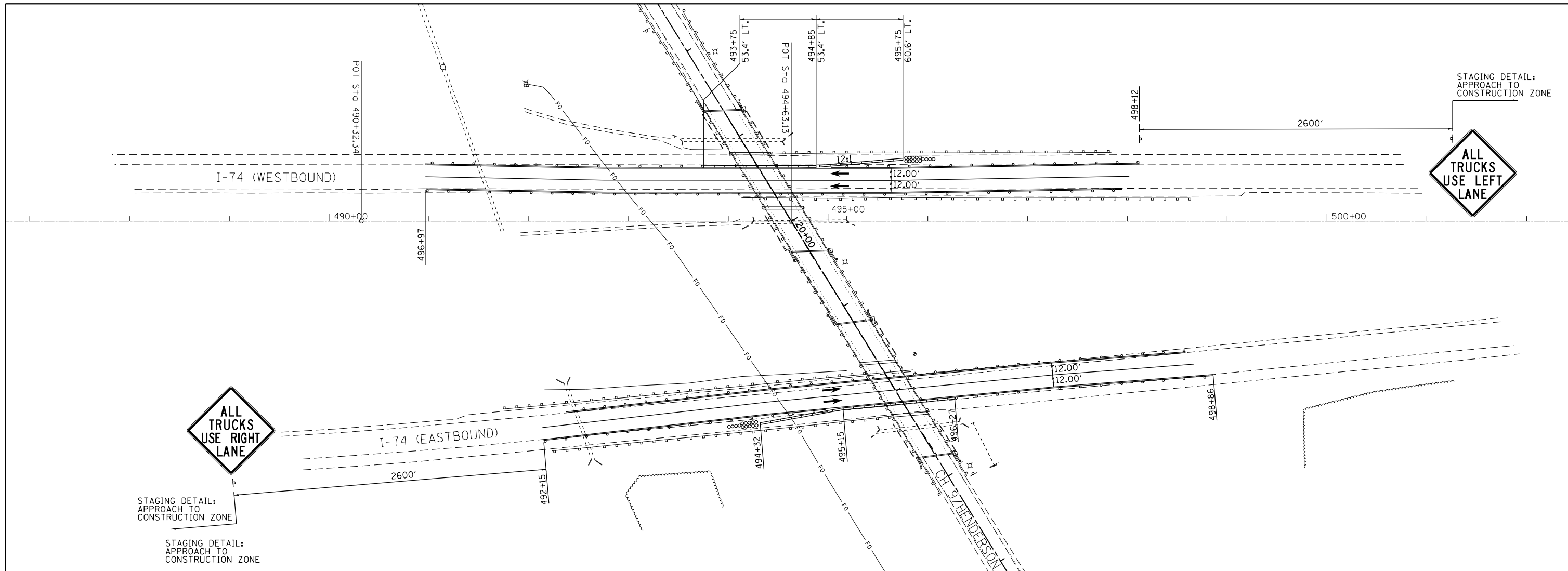
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		DRAWN to construction zone.dgn	REVISED -
	PLOT SCALE = 10.0000' / in.	CHECKED - SLD	REVISED -
	PLOT DATE = 8/14/2015	DATE - 7/31/2015	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STAGING DETAIL
 INTERSTATE 74

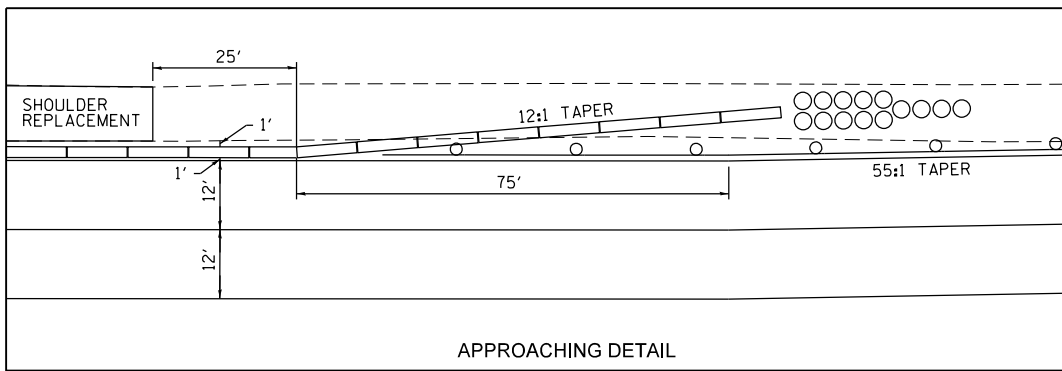
SCALE: N. T. S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	43
CONTRACT NO. 88502			ILLINOIS FED. AID PROJECT	

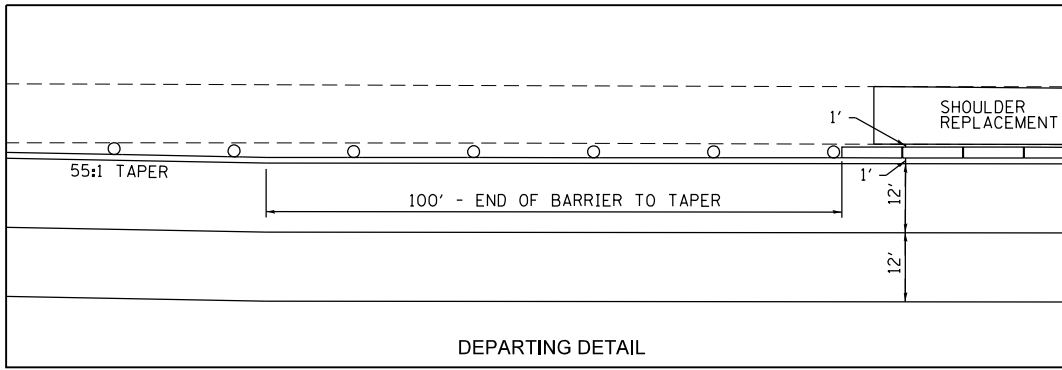


STAGING DETAIL:
APPROACH TO
CONSTRUCTION ZONE

STAGING DETAIL:
APPROACH TO
CONSTRUCTION ZONE



APPROACHING DETAIL



DEPARTING DETAIL

- NOTES:
- INTERSTATE TRAFFIC SHALL BE SHIFTED DURING THE REMOVAL OF THE EXISTING BRIDGES AND AS DIRECTED BY THE ENGINEER PER THIS STAGING DETAIL AND STAGING DETAIL: APPROACH TO CONSTRUCTION ZONE INCLUDED IN THIS PLAN SET.

APPLICABLE IDOT HIGHWAY STANDARDS:
701901-04 704001-07

TRAFFIC CONTROL LEGEND:	
	SIGN
	TEMPORARY CONCRETE BARRIER W/ MONODIRECTIONAL PRISMATIC REFLECTOR
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE, TEST LEVEL 3)
	DRUMS WITH STEADY BURNING LIGHT



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	PLOT DATE = 8/14/2015	DATE - 7/31/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING DETAIL
INTERSTATE 74

SCALE: 1" = 50' SHEET NO. 1 OF 1 SHEETS STA. 487+00 TO STA. 502+00

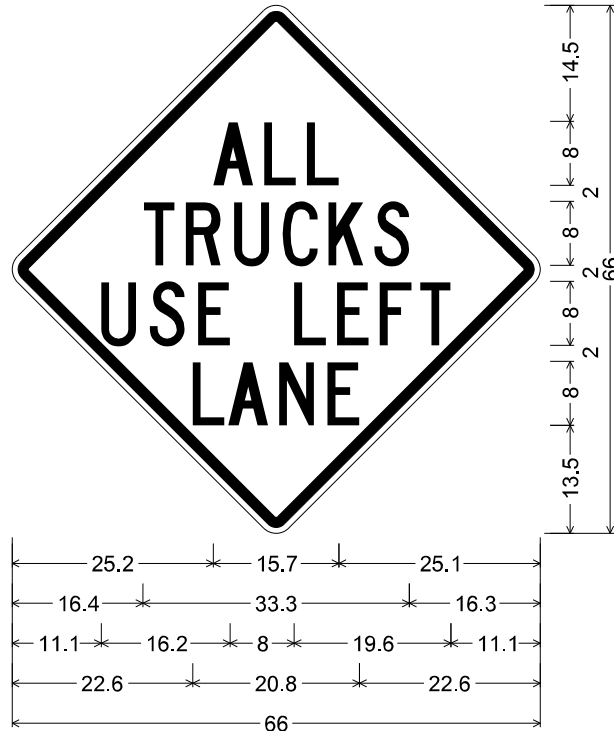
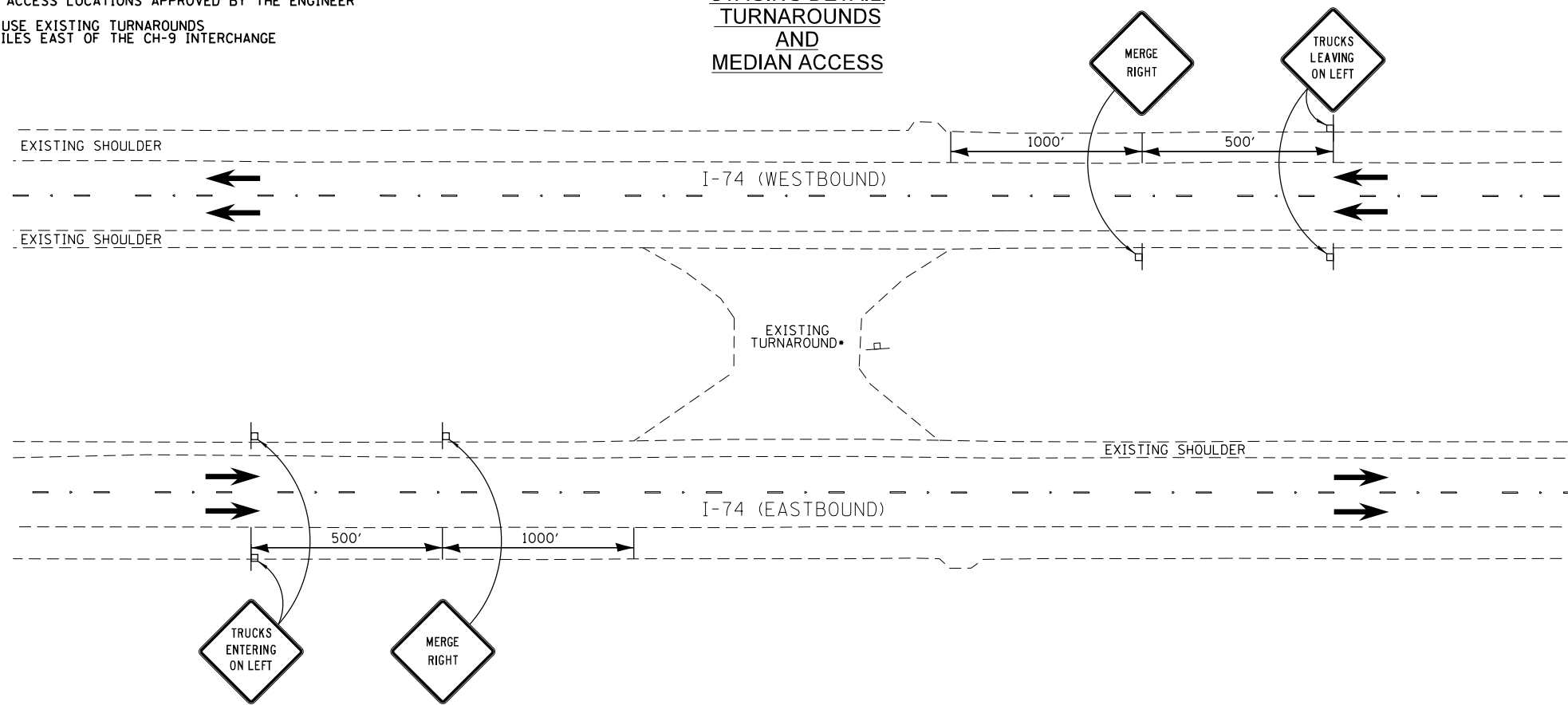
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	44
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

EFK·Moen, LLC
Civil Engineering Design

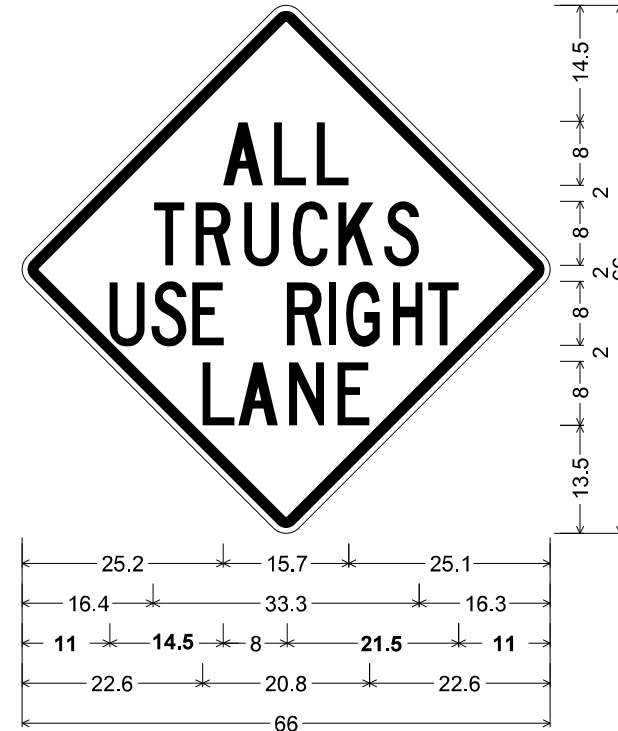
NOTE: SIGNING SHOWN SHALL APPLY TO MEDIAN ACCESS LOCATIONS APPROVED BY THE ENGINEER

- AUTHORIZED AND CONSTRUCTION TRAFFIC MAY USE EXISTING TURNAROUNDS APPROXIMATELY 2.0 MILES WEST AND 2.0 MILES EAST OF THE CH-9 INTERCHANGE

**STAGING DETAIL:
TURNAROUNDS
AND
MEDIAN ACCESS**



W8-6 SPECIAL;
48.0" across sides 2.3" Radius, 1.3" Border, 0.8" Indent, Black on Orange;
[ALL] C; [TRUCKS] C; [USE LEFT] C;
[LANE] C;

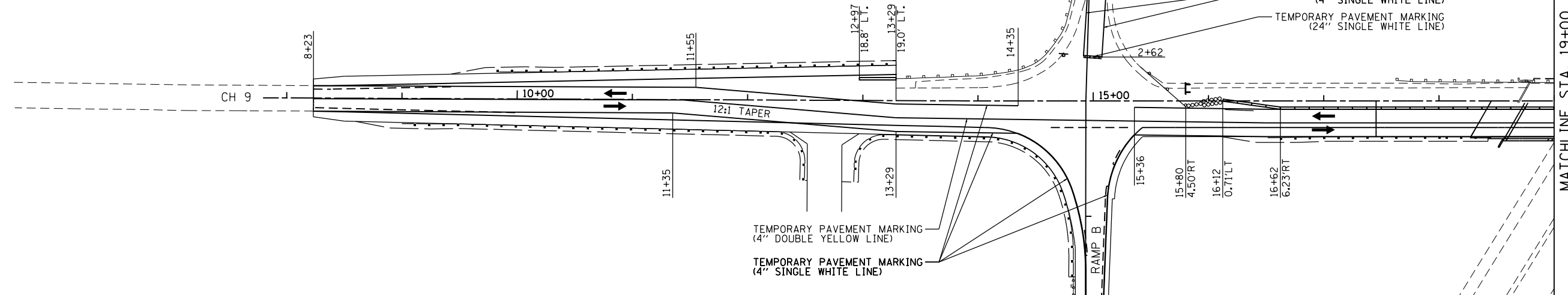
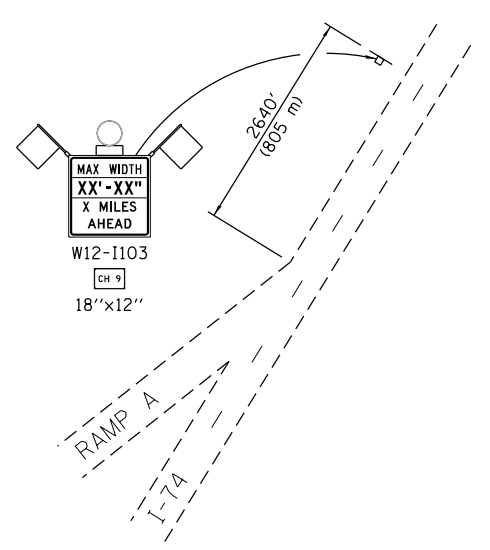
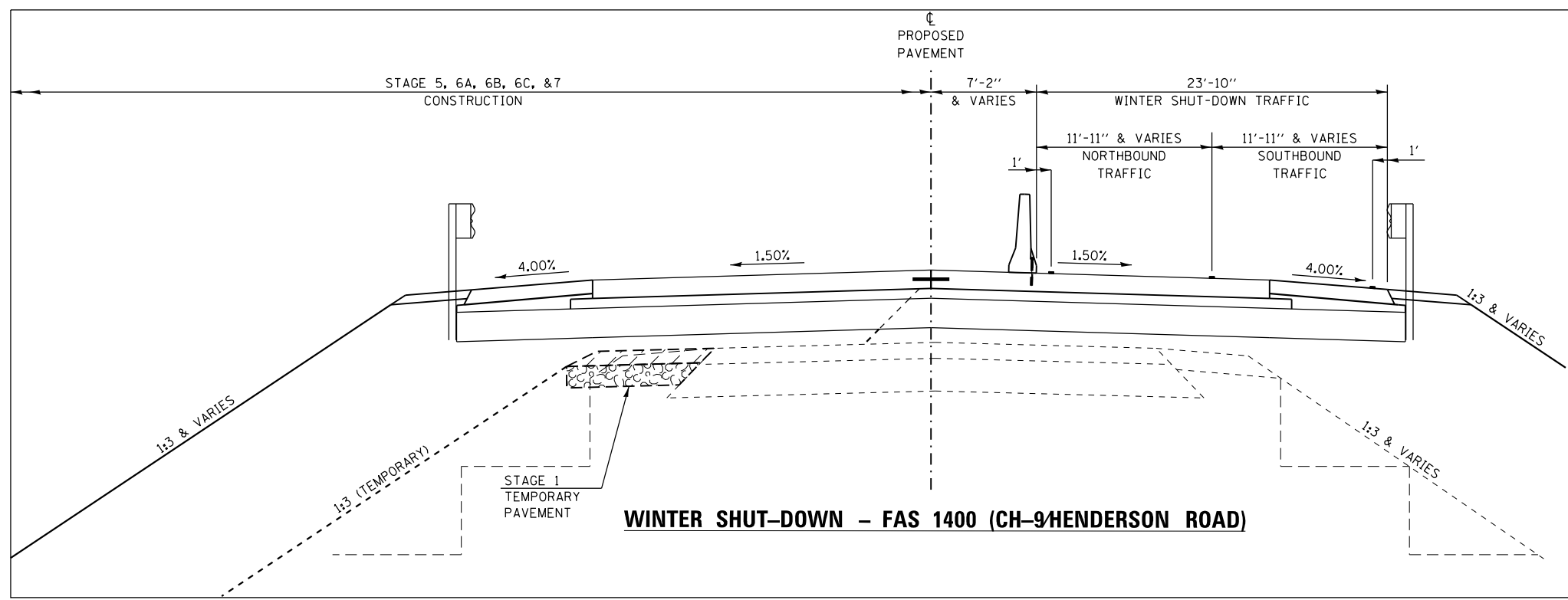


W8-6 SPECIAL;
48.0" across sides 2.3" Radius, 1.3" Border, 0.8" Indent, Black on Orange;
[ALL] C; [TRUCKS] C; [USE RIGHT] C;
[LANE] C;

EFK Moen, LLC
Civil Engineering Design

FILE NAME = Y:\13070 IDOT I-74 CH-9\Design\Final\Plotsheets\045-D488502-sht-staging detail T... DRAWN: JRD	USER NAME = jd	DESIGNED - JRD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGING DETAIL INTERSTATE 74			F.A.I. RTE. = 74	SECTION = (48-27HB-3)BR	COUNTY = KNOX	TOTAL SHEETS = 220	SHEET NO. = 45
	PLOT SCALE = 80.0000' / in.	CHECKED - SLD	REVISED -					CONTRACT NO. 88502				
	PLOT DATE = 8/14/2015	DATE = 7/31/2015	REVISED -					ILLINOIS FED. AID PROJECT				

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



WINTER SHUT-DOWN SUGGESTED CONSTRUCTION SEQUENCE:
 1. PREPARE AND MAINTAIN THE CONSTRUCTION SITE ACCORDING TO IDOT CONSTRUCTION MEMORANDUM NO. 01-77 (WINTER SHUT-DOWN PROCEDURES).
 2. PREPARE FOR STAGE 6A CONSTRUCTION.

APPLICABLE IDOT HIGHWAY STANDARDS:
 635011-02 701901-04
 701001-02 704001-07
 701006-05
 701011-04

APPLICABLE DISTRICT STANDARDS:
 701331-D4

TRAFFIC CONTROL LEGEND:	
	WORK AREA
	TEMPORARY PAVEMENT
	TEMPORARY CONCRETE BARRIER W/ MONODIRECTIONAL OR BIDIRECTIONAL PRISMATIC REFLECTOR
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE NARROW), TEST LEVEL 3
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
	DRUMS WITH STEADY BURNING LIGHT
	SIGN
	TYPE III BARRICADE
	TEMPORARY RUMBLE STRIPS
	TEMPORARY TRAFFIC SIGNAL
	DETECTOR LOOPS

NOTES:
 1. TEMPORARY CONCRETE BARRIER SHALL BE SECURED TO THE PAVEMENT ACCORDING TO SAFETY ENGINEERING POLICY MEMORANDUM 4-15 AND THE STANDARD SPECIFICATIONS.
 2. THE CONTRACTOR SHALL AVOID LEAVING DROP-OFFS GREATER THAN 2" DURING CONSTRUCTION INACTIVITY ON THIS PROJECT. ANY DROP-OFFS GREATER THAN 2" WILL NEED TO BE PROTECTED ACCORDING TO SAFETY ENGINEERING POLICY MEMORANDUM 4-15 OR AS DIRECTED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.
 3. SEE STRUCTURE PLANS FOR TEMPORARY SHEET PILING & BRIDGE STAGING DETAILS.
 4. TEMPORARY SHORING WILL BE REQUIRED BETWEEN THE FOLLOWING APPROXIMATE ROADWAY STATIONS:
 STA. 17+72 TO STA. 18+56.92
 STA. 22+91.07 TO STA. 24+44

EFK Moen, LLC
 Civil Engineering Design

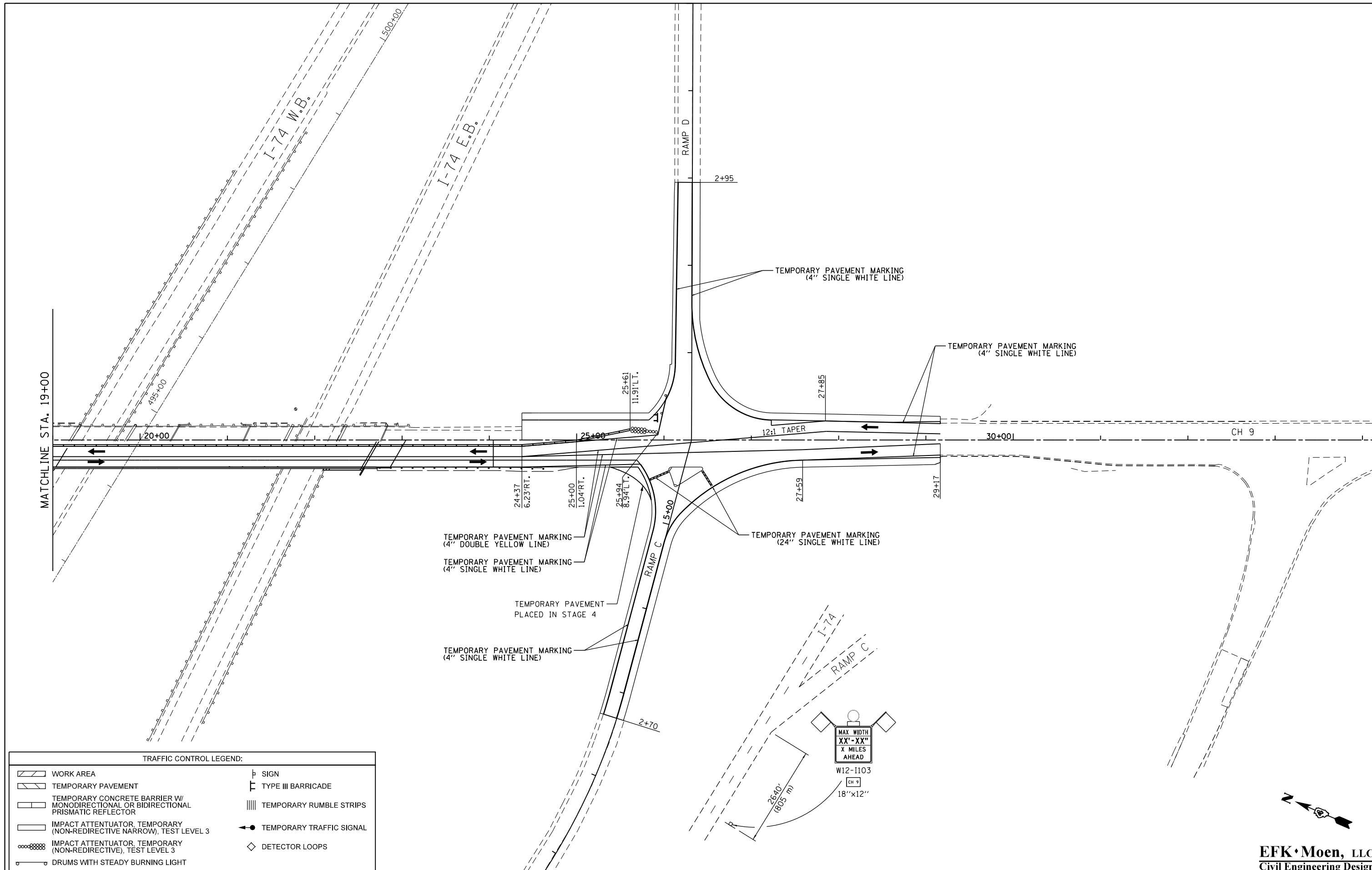
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PLOT DATE = 8/14/2015	DATE - 7/31/2015	REVISIONS -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WINTER SHUTDOWN
 SCALE: 50' = 1" SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	46
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 19+00



TRAFFIC CONTROL LEGEND:

	WORK AREA		SIGN
	TEMPORARY PAVEMENT		TYPE III BARRICADE
	TEMPORARY CONCRETE BARRIER W/ MONODIRECTIONAL OR BIDIRECTIONAL PRISMATIC REFLECTOR		TEMPORARY RUMBLE STRIPS
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE NARROW), TEST LEVEL 3		TEMPORARY TRAFFIC SIGNAL
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3		DETECTOR LOOPS
	DRUMS WITH STEADY BURNING LIGHT		

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PLOT DATE = 8/14/2015		DATE - 7/31/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WINTER SHUTDOWN

SCALE: 50' = 1" SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	47
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

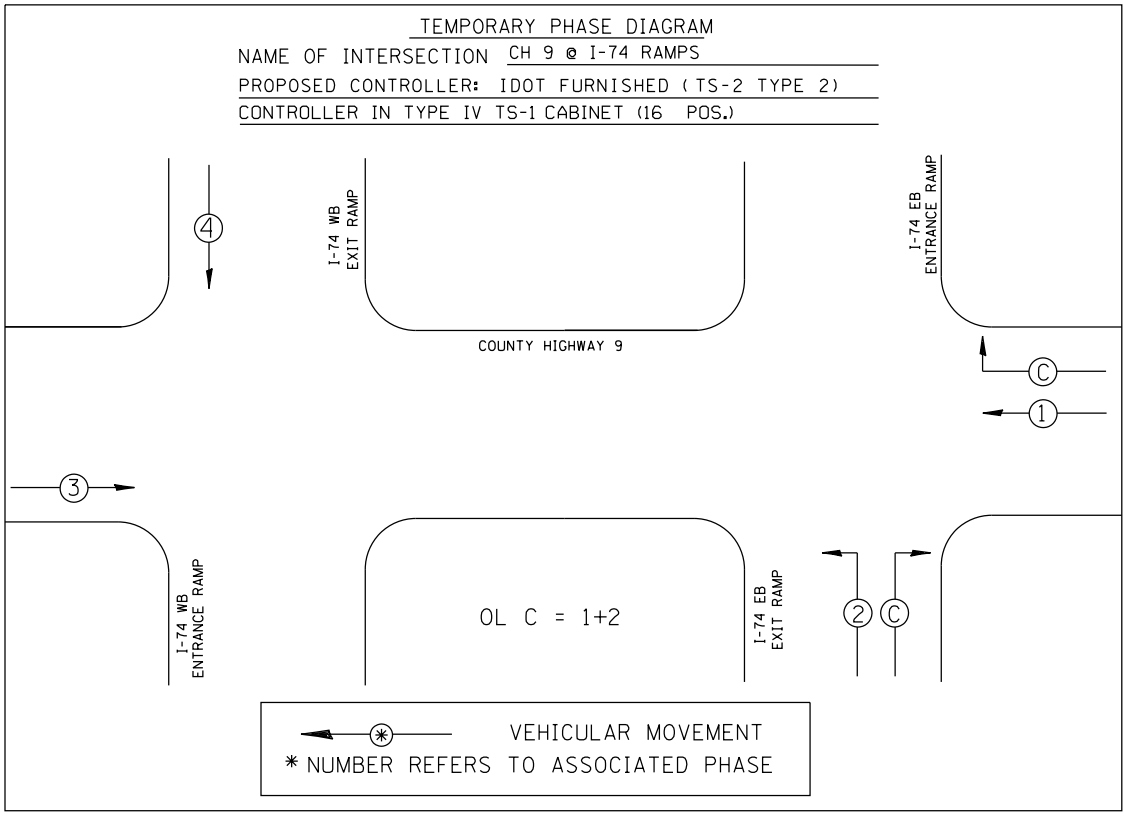
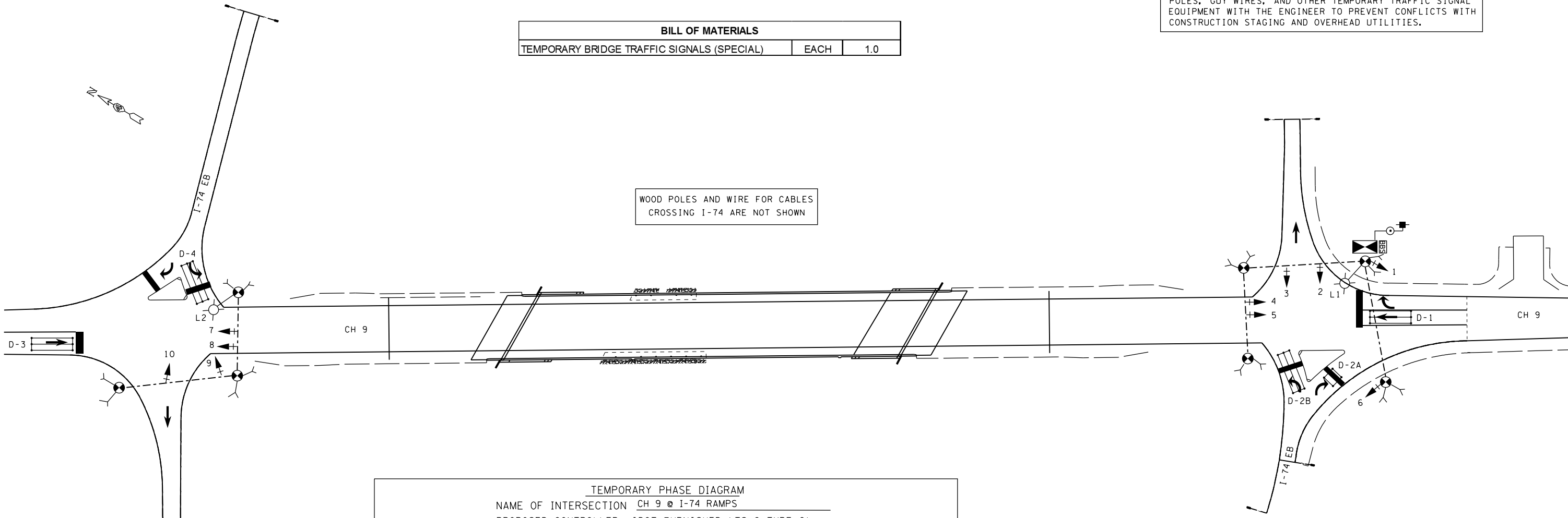
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THE CONTRACTOR SHALL COORDINATE THE PLACEMENT OF WOOD POLES, GUY WIRES, AND OTHER TEMPORARY TRAFFIC SIGNAL EQUIPMENT WITH THE ENGINEER TO PREVENT CONFLICTS WITH CONSTRUCTION STAGING AND OVERHEAD UTILITIES.

BILL OF MATERIALS		
TEMPORARY BRIDGE TRAFFIC SIGNALS (SPECIAL)	EACH	1.0

WOOD POLES AND WIRE FOR CABLES CROSSING I-74 ARE NOT SHOWN



TEMPORARY BRIDGE TRAFFIC SIGNAL CONSTRUCTION NOTES

- T1. THE CONTRACTOR SHALL PROVIDE AND INSTALL EQUIPMENT WITH RESPECT TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THIS SHALL INCLUDE ALL CABLES, SIGNAL HEADS, CONDUIT, DETECTOR LOOPS, WOOD POLES, GUY WIRE, LUMINAIRES, SERVICE, AND ALL OTHER EQUIPMENT REQUIRED FOR THE INSTALLATION.
- T2. IN PAVEMENT DETECTOR LOOPS SHALL BE USED TO PROVIDE DETECTION FOR THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- T3. THE DEPARTMENT WILL FURNISH A TRAFFIC SIGNAL CONTROLLER, CABINET AND BATTERY BACKUP SYSTEM FOR THE TEMPORARY TRAFFIC SIGNALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE CABINET AND ALL EQUIPMENT FOR THE DURATION OF THE TEMPORARY TRAFFIC SIGNALS. THE CABINET WILL BE SET UP AND TESTED BY THE DEPARTMENT. THE CONTRACTOR SHALL PICK UP THE CABINET AND RELATED EQUIPMENT FROM THE IDOT TRAFFIC BUILDING LOCATED 1025 W. DETWEILLER LN., PEORIA AND DELIVER THEM TO THE JOB SITE. UPON REMOVAL OF THE SIGNALS, THE CONTRACTOR SHALL TRANSPORT THE EQUIPMENT BACK TO THE IDOT TRAFFIC BUILDING.
- T4. ALL SPAN WIRE MOUNTED HEADS SHALL HAVE AN EIGHT FOOT MINIMUM SPACING BETWEEN HEADS.
- T5. AERIAL TRAFFIC SIGNAL CABLE AND SPAN WIRE SHALL BE FURNISHED AND INSTALLED AS REQUIRED AND SHOWN ON THE PLAN SHEETS.
- T6. THE TEMPORARY TRAFFIC SIGNAL SPAN WIRES AND CABLES SHALL BE ATTACHED TO THE WOOD POLES IN A MANNER APPROVED BY THE ENGINEER. ALL CABLES SHALL MAINTAIN A 18 FT. MINIMUM CLEARANCE ABOVE THE HIGHEST POINT OF THE ROADWAY.
- T7. ALL TRAFFIC SIGNAL SECTIONS SHALL HAVE 12" LED LENSES.
- T8. THE TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE PLACED AS INDICATED ON THE PLANS OR DIRECTED BY THE ENGINEER.
- T9. THE CONTRACTOR SHALL FURNISH ENOUGH SLACK CABLE TO RELOCATE THE HEADS TO ANY POSITION REQUIRED FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS.
- T10. THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT, AND MATERIALS REQUIRED TO RELOCATE THE TEMPORARY TRAFFIC SIGNAL HEADS IN ACCORDANCE WITH THE PROPOSED CONSTRUCTION STAGING.
- T11. THE TRAFFIC SIGNAL INSTALLATION SHALL CONFORM TO ALL APPLICABLE MUTCD STANDARDS.
- T13. ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.

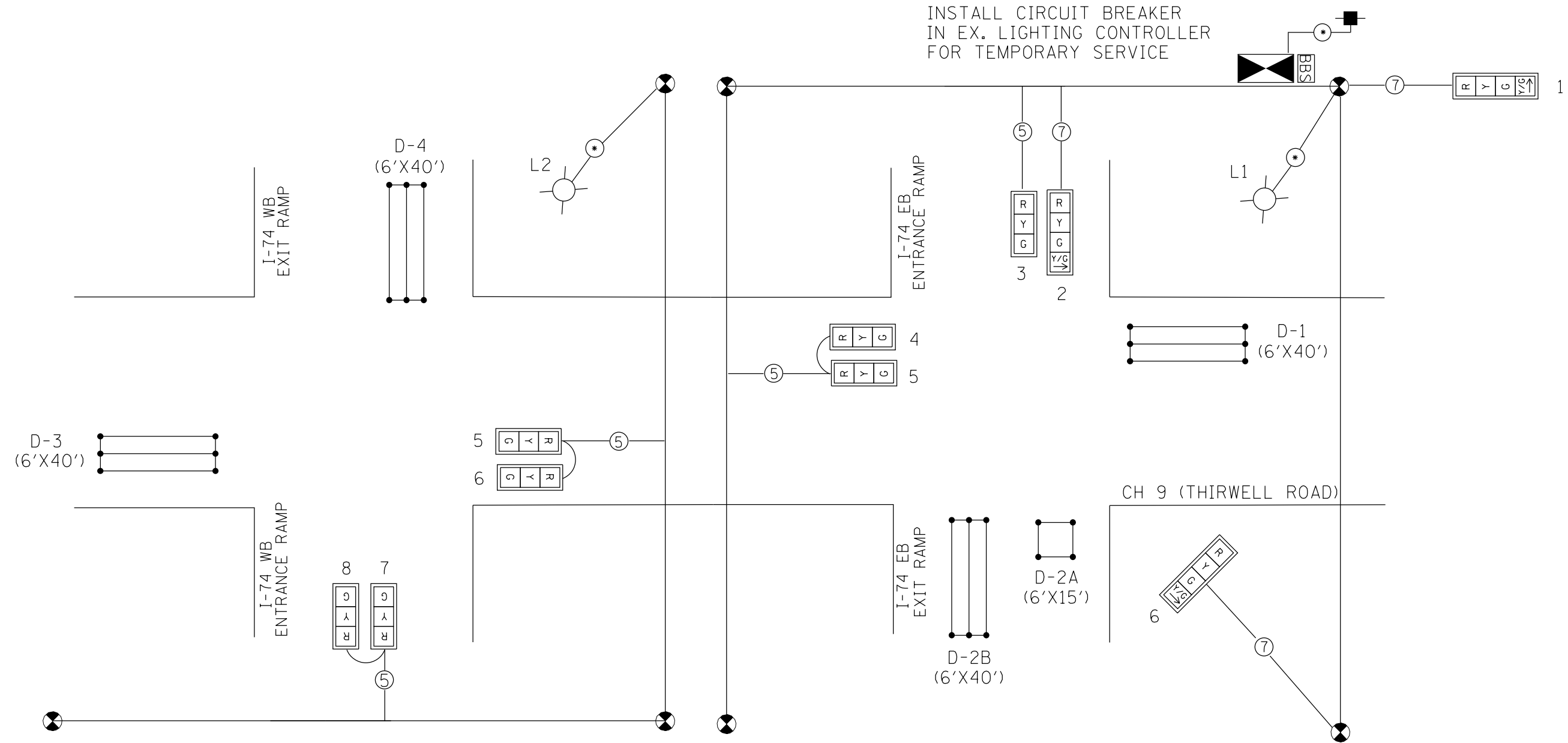
TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL SPAN WIRE AND CABLE
- ⊙ TEMPORARY WOOD POLE WITH GUY WIRES
- ⊕ TEMPORARY TRAFFIC SIGNAL HEAD WITH BACKPLATE
- ⊠ TEMPORARY CONTROLLER CABINET
- ⊞ TEMPORARY BBS (IDOT FURNISHED)
- TEMPORARY SERVICE INSTALLATION

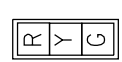







* PREPARED BY IDOT

FILE NAME = Y:\13070 IDOT I-74 CH-9\Design\Final\Plotsheets\IDOT Temporary Signal Phasing Sheet\DRW19_1-74 @ CH 9 - Temporary Bridge Signals.dgn	USER NAME = jdardeen	DESIGNED - IDOT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY BRIDGE TRAFFIC SIGNALS I-74 COUNTY HIGHWAY 9	F.A.I. R.T.E. = 74	SECTION = (48-27HB-3)BR	COUNTY = KNOX	TOTAL SHEETS = 220	SHEET NO. = 48		
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			SCALE:	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.	CONTRACT NO. 88502		
	PLOT DATE = 8/14/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT						

INSTALL CIRCUIT BREAKER
IN EX. LIGHTING CONTROLLER
FOR TEMPORARY SERVICE



TEMPORARY TRAFFIC SIGNALS LEGEND

-  TEMP. 3 SEC. SIGNAL HEAD W/REFLECTIVE BACKPLATE
-  TEMP. 5/C NO. 14 SIGNAL CABLE
-  TEMP. 7/C NO. 14 SIGNAL CABLE
-  TEMP. CONTROLLER (IDOT FURNISHED)
-  TEMP. SERVICE INSTALLATION
-  TEMP. CABLE (1/C NO. 6) X 3
-  TEMP. BBS UNIT (IDOT FURNISHED)
-  TEMP. DETECTOR LOOP LEAD-IN

* PREPARED BY IDOT

FILE NAME =	USER NAME = jdardeen	DESIGNED - IDOT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY BRIDGE TRAFFIC SIGNALS I-74 COUNTY HIGHWAY 9	F.A.I. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Y:\13870 IDOT I-74 CH-9\Design\Final\Plotsheets\IDOT Temporary Signal Phasing Sheet\BRW\9-1-74 CH 9 - Temporary Bridge Signals.dgn	DRW	REVISED	REVISED			74	(48-27HB-3)BR	KNOX	220	49
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -			CONTRACT NO. 88502		ILLINOIS FED. AID PROJECT		
	PLOT DATE = 8/14/2015	DATE -	REVISED -	SCALE:	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.			

PRESTAGE

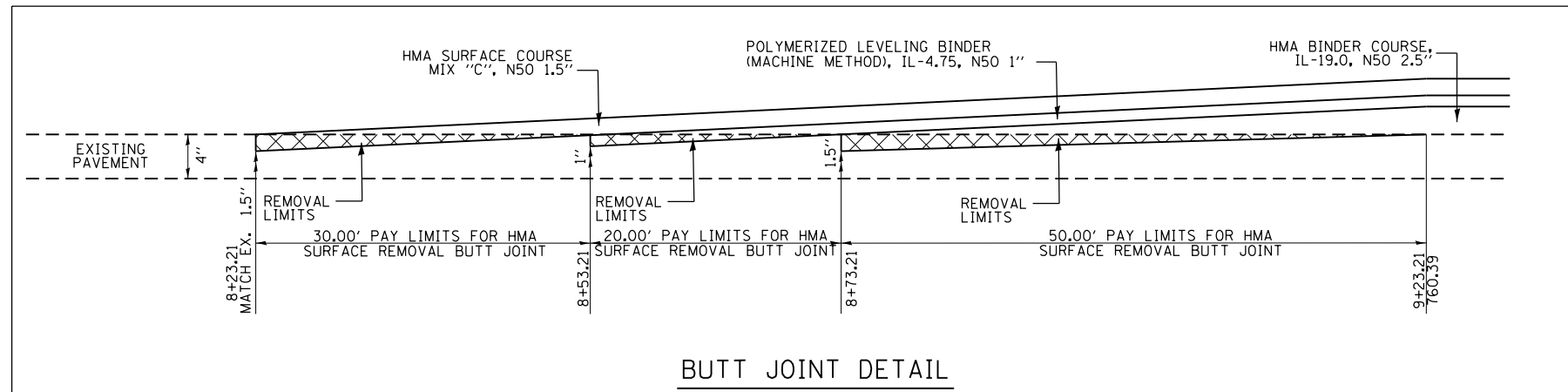
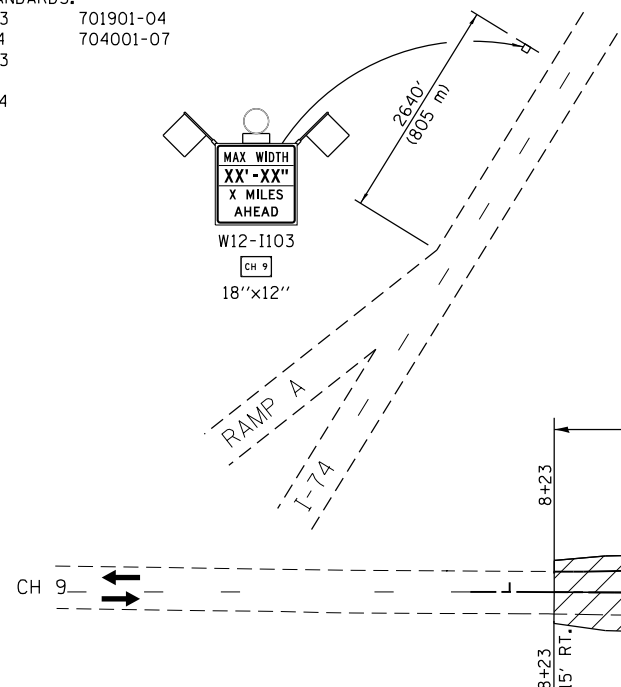
1. WIDEN CH 9 STATION 8+23 TO 13+28, ONE SIDE AT A TIME.
2. PLACE LEVELING BINDER OVER EXISTING PAVEMENT, DO NOT PLACE SURFACE COURSE UNTIL FINAL STAGE.
3. PRESTAGE PHASE TO BE CONSTRUCTED WITH STANDARD FLAGGER CONTROL.

STAGE 1 SUGGESTED CONSTRUCTION SEQUENCE:

1. REMOVE EXISTING ISLANDS (ON RAMPS A & C) AND APPLY TEMPORARY PAVEMENT TO ISLAND AREAS.
2. APPLY TEMPORARY PAVEMENT TO AREAS INDICATED ON THE STAGE 1 CONSTRUCTION PLAN. REMOVAL OF THE EAST SHOULDER ON CH-9 BETWEEN RAMPS A & D WILL BE REQUIRED.
3. REDUCE TRAFFIC TO 1 LANE ON THE WEST SIDE OF THE EXISTING ROADWAY AND BRIDGES UTILIZING IDOT HIGHWAY STANDARD 701321.
4. CONSTRUCT FULL-DEPTH DECK REPAIRS ON THE EAST SIDE OF THE EXISTING BRIDGES (REFER TO BRIDGE PRE-STAGE CONSTRUCTION INFORMATION LOCATED ON PROPOSED BRIDGE STRUCTURAL PLANS).
5. CONSTRUCT PROPOSED IMPROVEMENTS, EXCEPT HOT-MIX ASPHALT SURFACE COURSE, AS INDICATED ON THE STAGE 1 CONSTRUCTION PLAN.

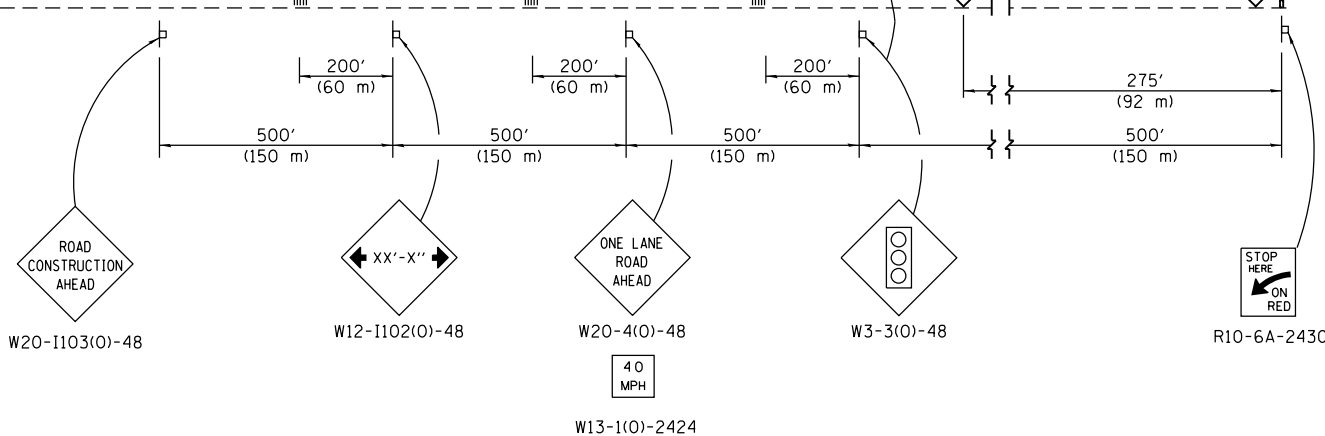
APPLICABLE IDOT HIGHWAY STANDARDS:

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701001-02	701301-04	704001-07
701006-05	701306-03	
701011-04	701321-14	
701201-04	701326-04	



BUTT JOINT DETAIL

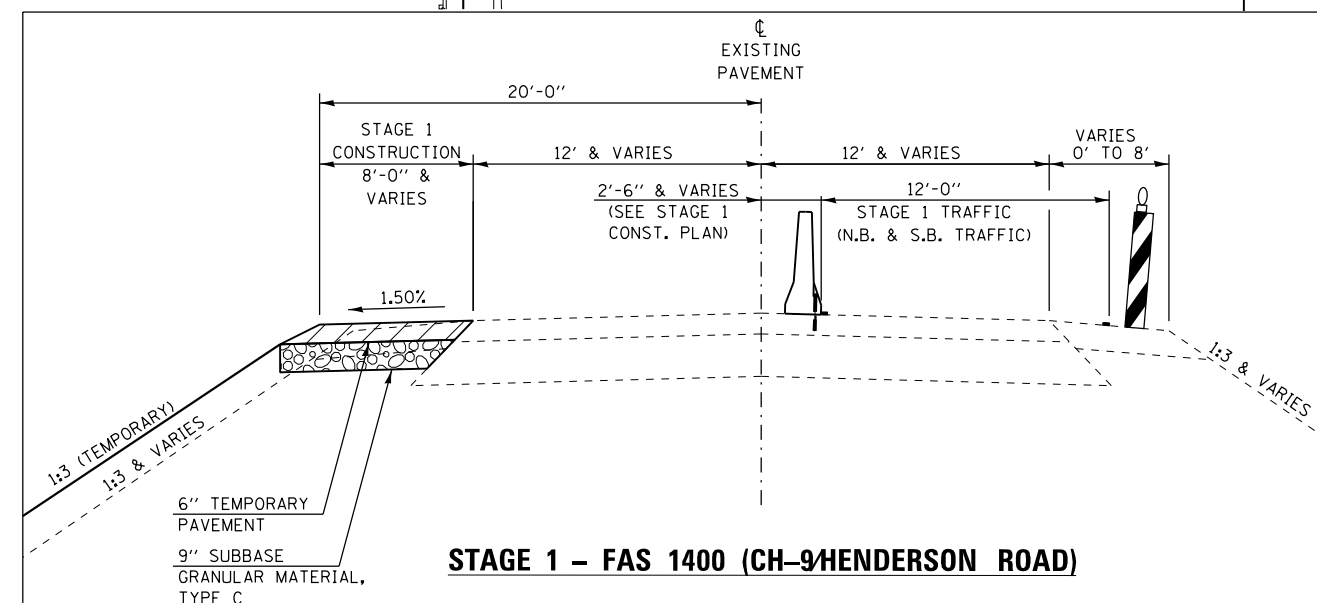
CH 9/HENDERSON RD



TRAFFIC CONTROL LEGEND:	
	WORK AREA
	TEMPORARY PAVEMENT
	TEMPORARY CONCRETE BARRIER W/ MONODIRECTIONAL OR BIDIRECTIONAL PRISMATIC REFLECTOR
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE NARROW), TEST LEVEL 3
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
	DRUMS WITH STEADY BURNING LIGHT
	SIGN
	TYPE III BARRICADE
	TEMPORARY RUMBLE STRIPS
	TEMPORARY TRAFFIC SIGNAL
	DETECTOR LOOPS

NOTES:

1. TEMPORARY CONCRETE BARRIER SHALL BE SECURED TO THE PAVEMENT ACCORDING TO SAFETY ENGINEERING POLICY MEMORANDUM 4-15 AND THE STANDARD SPECIFICATIONS.
2. THE CONTRACTOR SHALL AVOID LEAVING DROP-OFFS GREATER THAN 2" DURING CONSTRUCTION INACTIVITY ON THIS PROJECT. ANY DROP-OFFS GREATER THAN 2" WILL NEED TO BE PROTECTED ACCORDING TO SAFETY ENGINEERING POLICY MEMORANDUM 4-15 OR AS DIRECTED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.
3. SEE STRUCTURE PLANS FOR BRIDGE STAGING DETAILS.



STAGE 1 - FAS 1400 (CH-9/HENDERSON ROAD)

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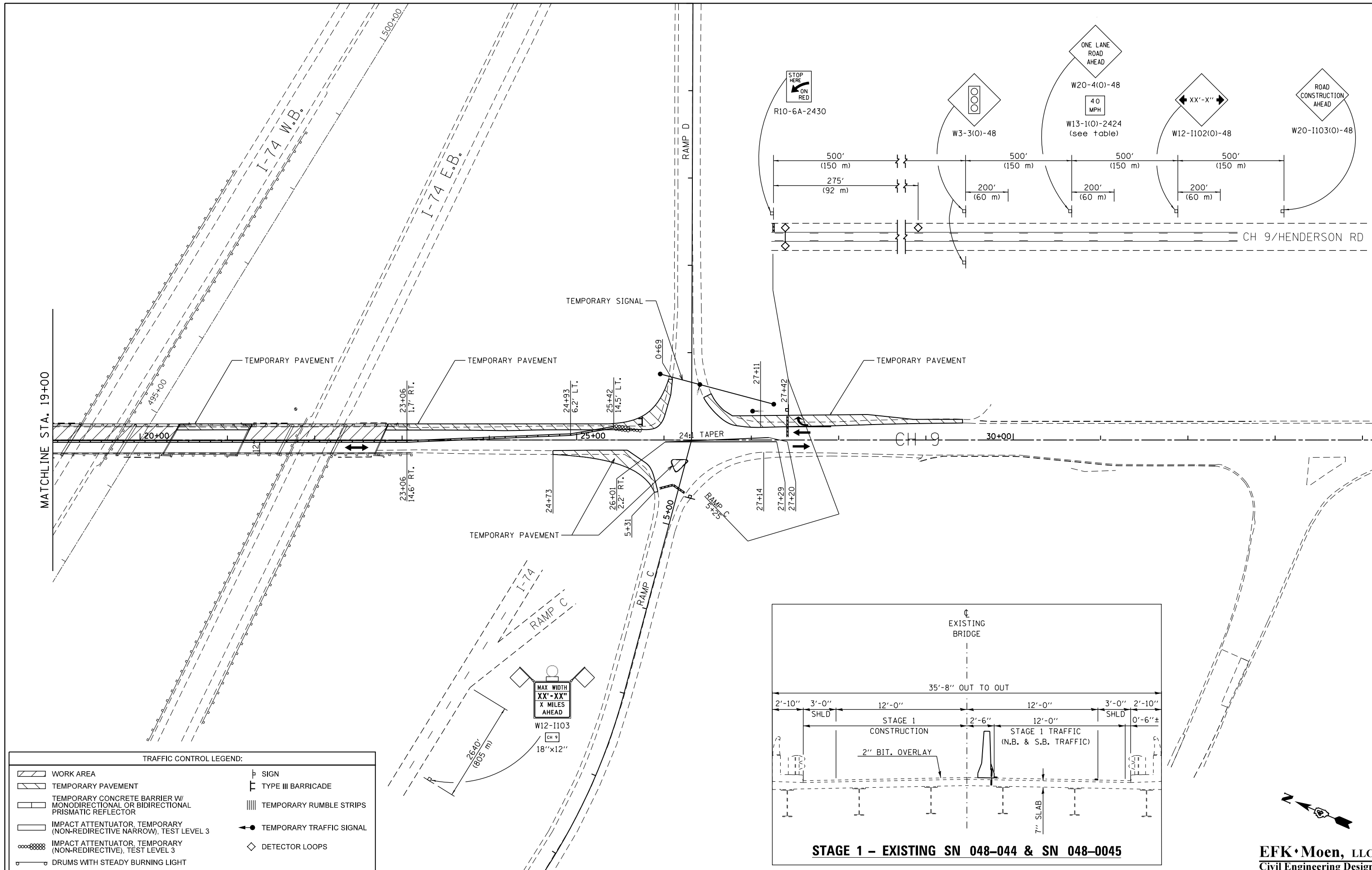
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		CHECKED - SLD	REVISED -
		DATE - 7/24/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING AND TRAFFIC CONTROL PLAN
STAGE 1

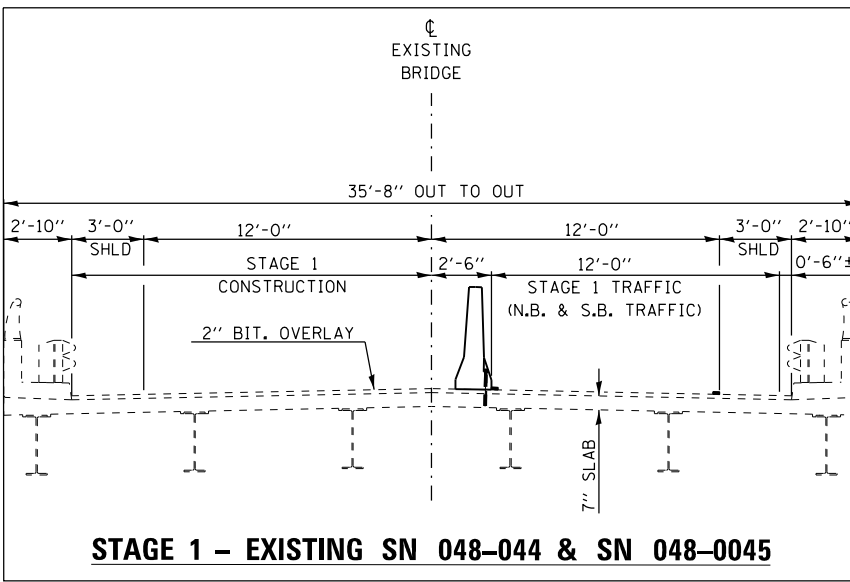
SCALE: 50' = 1" SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	218	50
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				



TRAFFIC CONTROL LEGEND:

	WORK AREA		SIGN
	TEMPORARY PAVEMENT		TYPE III BARRICADE
	TEMPORARY CONCRETE BARRIER W/ MONODIRECTIONAL OR BIDIRECTIONAL PRISMATIC REFLECTOR		TEMPORARY RUMBLE STRIPS
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE NARROW), TEST LEVEL 3		TEMPORARY TRAFFIC SIGNAL
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3		DETECTOR LOOPS
	DRUMS WITH STEADY BURNING LIGHT		



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		DATE - 7/31/2015	REVISED -

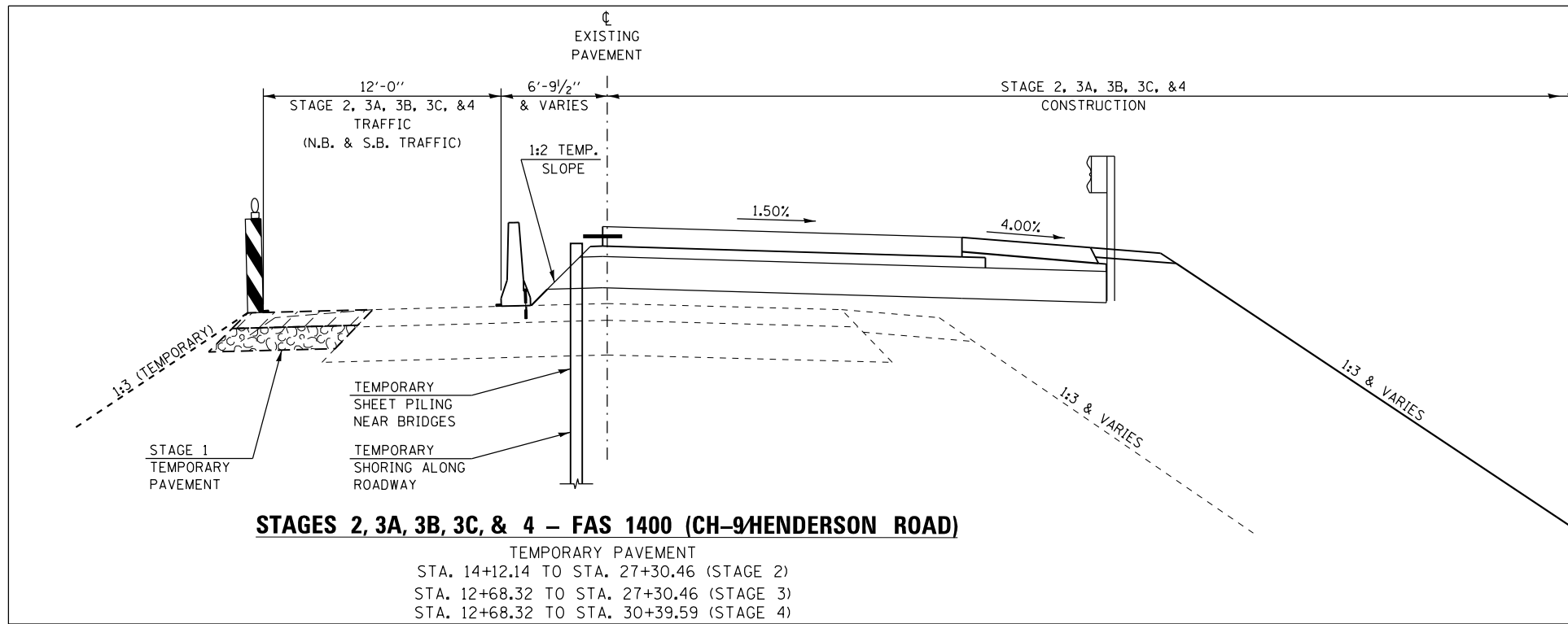
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGING AND TRAFFIC CONTROL PLAN			
STAGE 1			
SCALE: 50' = 1"	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.

F.A.I. RTE. 74	SECTION (48-27HB-3)BR	COUNTY KNOX	TOTAL SHEETS 220	SHEET NO. 51
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

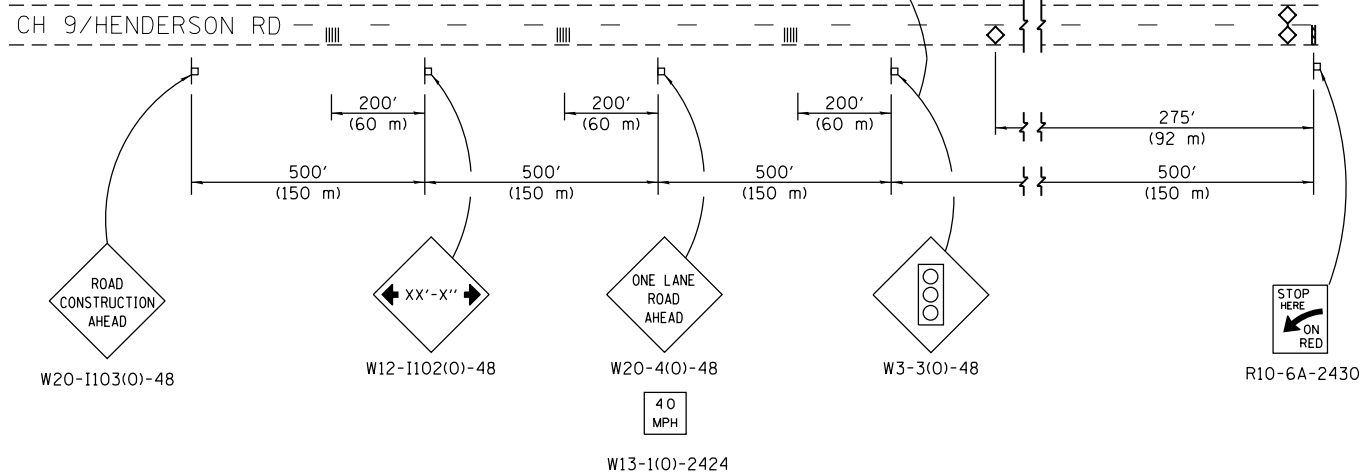
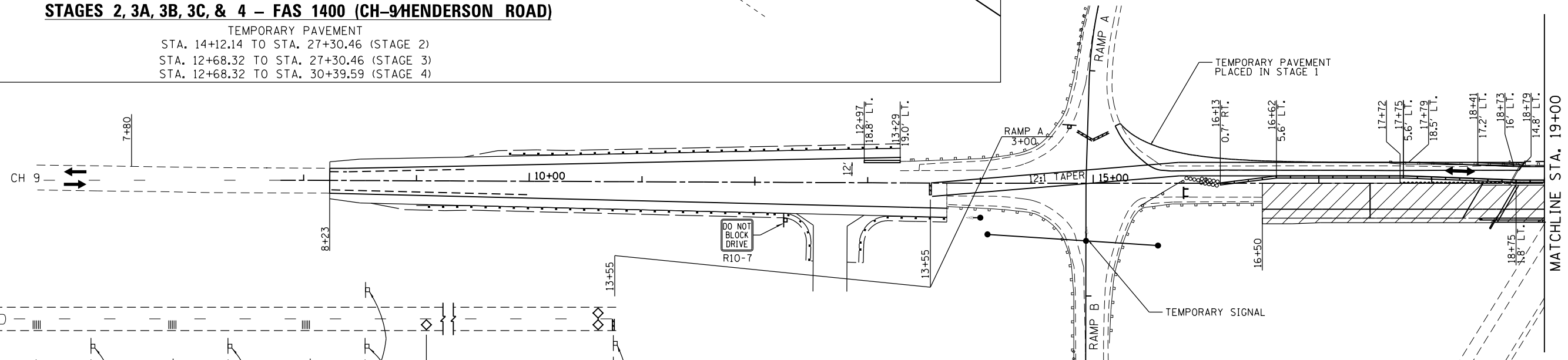
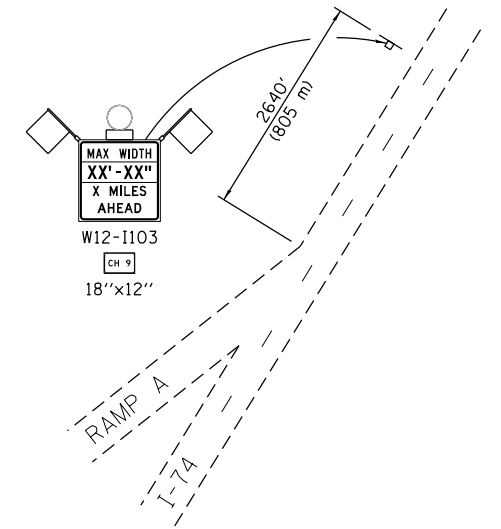
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STAGES 2, 3A, 3B, 3C, & 4 – FAS 1400 (CH-9 HENDERSON ROAD)

TEMPORARY PAVEMENT
 STA. 14+12.14 TO STA. 27+30.46 (STAGE 2)
 STA. 12+68.32 TO STA. 27+30.46 (STAGE 3)
 STA. 12+68.32 TO STA. 30+39.59 (STAGE 4)



- STAGE 2 SUGGESTED CONSTRUCTION SEQUENCE:**
1. SHIFT TRAFFIC TO 1 LANE ON THE EAST SIDE OF THE EXISTING ROADWAY/BRIDGES UTILIZING IDOT HIGHWAY STANDARD 701321.
 2. REMOVE THE WEST SIDE OF THE EXISTING BRIDGES UNDER LANE SHIFTS AND INTERMITTENT CLOSURES ON I-74 FOR BEAM REMOVAL (15 MINUTES MAXIMUM).
 3. CONSTRUCT THE WEST SIDE OF THE PROPOSED BRIDGE UNDER LANE SHIFTS AND INTERMITTENT CLOSURES ON I-74 FOR BEAM INSTALLATION (15 MINUTES MAXIMUM). (REFER TO BRIDGE STAGE 1 CONSTRUCTION INFORMATION LOCATED ON PROPOSED BRIDGE STRUCTURAL PLANS).
 4. CONSTRUCT PROPOSED IMPROVEMENTS, EXCEPT HOT-MIX ASPHALT SURFACE COURSE, AS INDICATED ON THE STAGE 2 CONSTRUCTION PLAN.
 5. INGRESS/EGRESS AT ENTRANCES SHOULD BE MAINTAINED AT ALL TIMES.

APPLICABLE IDOT HIGHWAY STANDARDS:

635011-02	701301-04	701446-06
701001-02	701306-03	701901-04
701006-05	701321-14	704001-07
701011-04	701326-04	
701101-04	701400-08	
701106-02	701401-09	
701201-04	701402-10	
701206-03	701411-09	

- NOTES:**
1. TEMPORARY CONCRETE BARRIER SHALL BE SECURED TO THE PAVEMENT ACCORDING TO SAFETY ENGINEERING POLICY MEMORANDUM 4-15 AND THE STANDARD SPECIFICATIONS.
 2. THE CONTRACTOR SHALL AVOID LEAVING DROP-OFFS GREATER THAN 2" DURING CONSTRUCTION INACTIVITY ON THIS PROJECT. ANY DROP-OFFS GREATER THAN 2" WILL NEED TO BE PROTECTED ACCORDING TO SAFETY ENGINEERING POLICY MEMORANDUM 4-15 OR AS DIRECTED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.
 3. SEE STRUCTURE PLANS FOR TEMPORARY SHEET PILING & BRIDGE STAGING DETAILS.
 4. TEMPORARY SHORING WILL BE REQUIRED BETWEEN THE FOLLOWING APPROXIMATE ROADWAY STATIONS:
 STA. 17+72 TO STA. 18+56.92
 STA. 22+91.07 TO STA. 24+44

TRAFFIC CONTROL LEGEND:

	WORK AREA		SIGN
	TEMPORARY PAVEMENT		TYPE III BARRICADE
	TEMPORARY CONCRETE BARRIER W/ MONODIRECTIONAL OR BIDIRECTIONAL PRISMATIC REFLECTOR		TEMPORARY RUMBLE STRIPS
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE NARROW), TEST LEVEL 3		TEMPORARY TRAFFIC SIGNAL
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3		DETECTOR LOOPS
	DRUMS WITH STEADY BURNING LIGHT		

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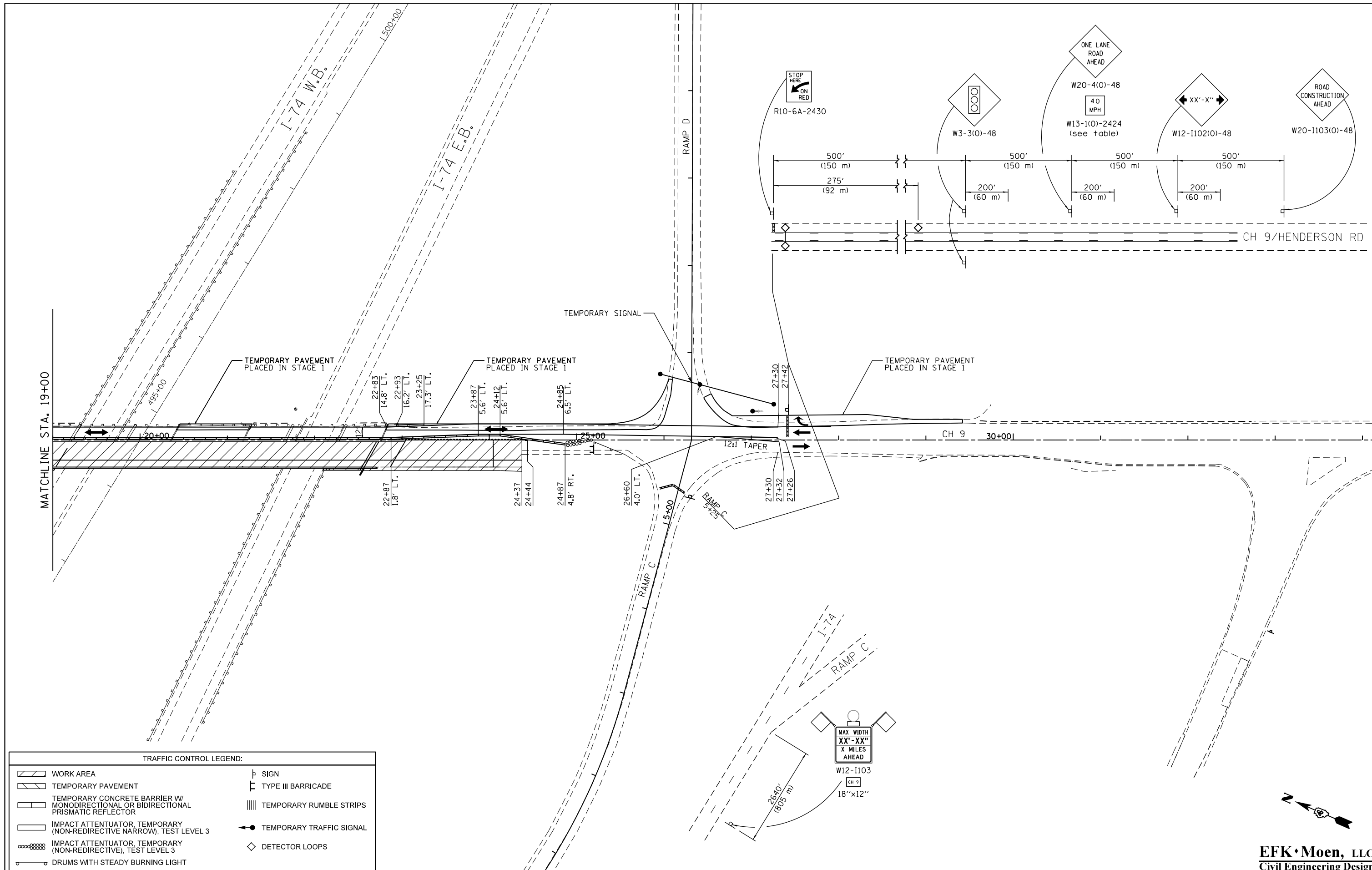
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STAGING AND TRAFFIC CONTROL PLAN
 STAGE 2**

SCALE: 50' = 1" SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE. 74	SECTION (48-27HB-3)BR	COUNTY KNOX	TOTAL SHEETS 220	SHEET NO. 52
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

EFK Moen, LLC
 Civil Engineering Design



TRAFFIC CONTROL LEGEND:

WORK AREA	SIGN
TEMPORARY PAVEMENT	TYPE III BARRICADE
TEMPORARY CONCRETE BARRIER W/ MONODIRECTIONAL OR BIDIRECTIONAL PRISMATIC REFLECTOR	TEMPORARY RUMBLE STRIPS
IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE NARROW), TEST LEVEL 3	TEMPORARY TRAFFIC SIGNAL
IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	DETECTOR LOOPS
DRUMS WITH STEADY BURNING LIGHT	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

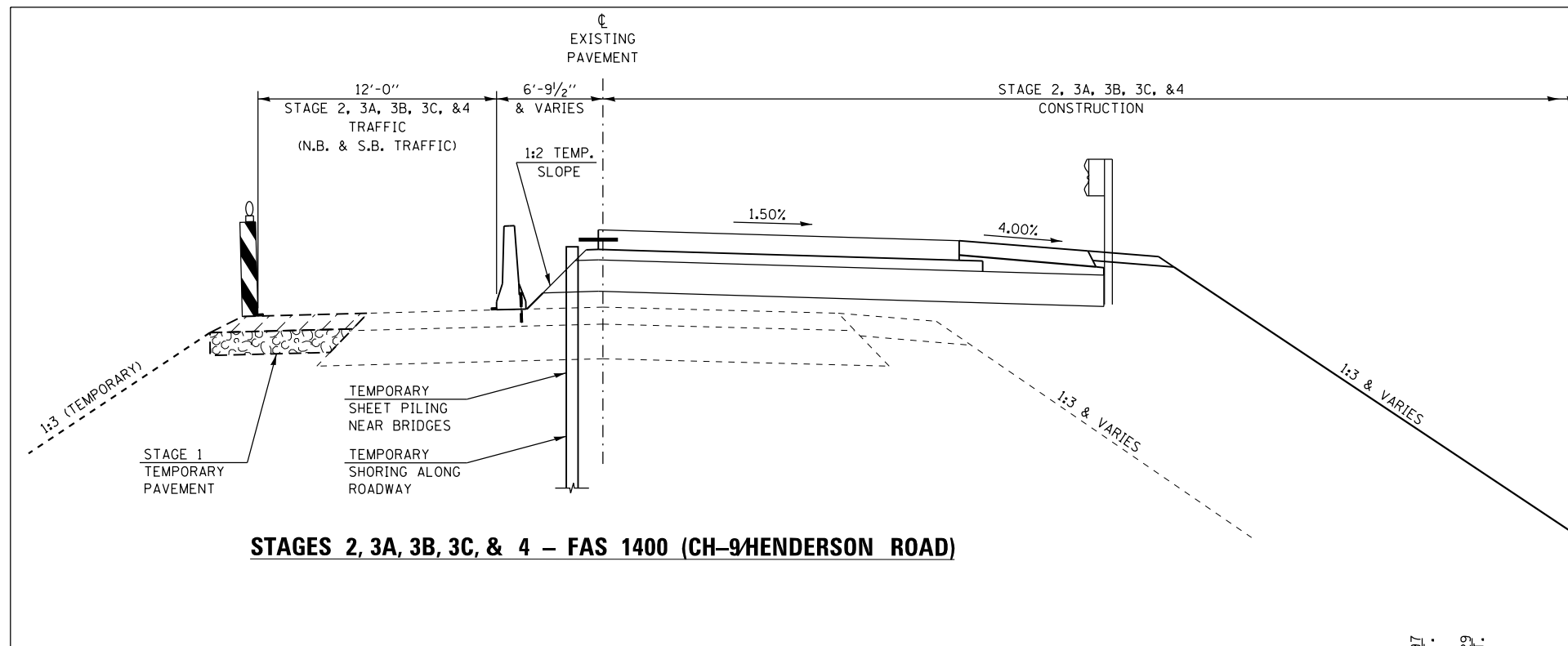
**STAGING AND TRAFFIC CONTROL PLAN
STAGE 2**

SCALE: 50' = 1" SHEET NO. 2 OF 2 SHEETS STA. TO STA.

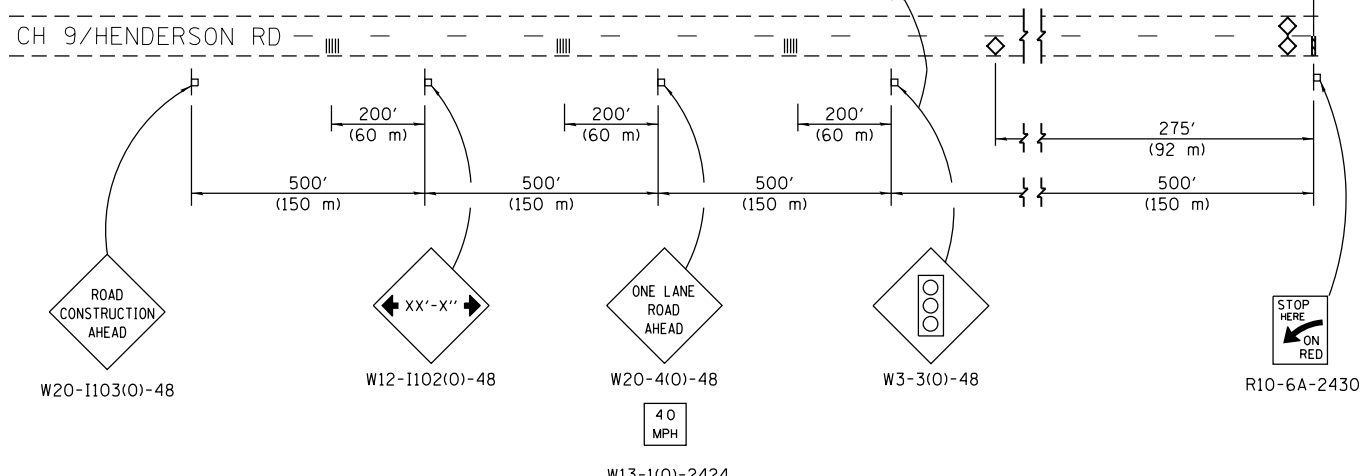
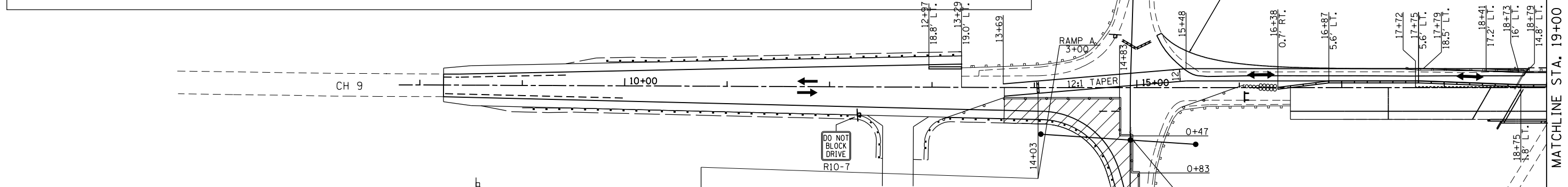
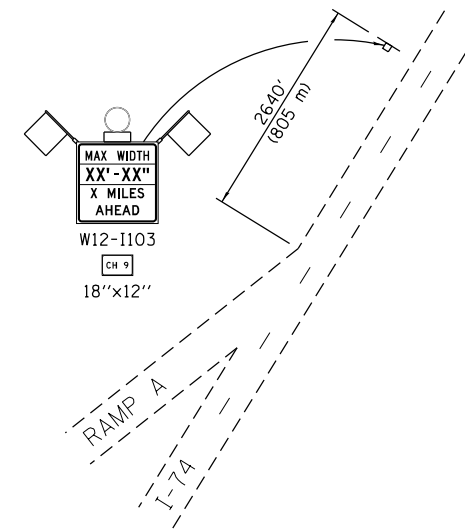
F.A.I. RTE. 74	SECTION (48-27HB-3)BR	COUNTY KNOX	TOTAL SHEETS 220	SHEET NO. 53
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

EFK Moen, LLC
Civil Engineering Design





STAGES 2, 3A, 3B, 3C, & 4 – FAS 1400 (CH-9/HENDERSON ROAD)



STAGE 3A SUGGESTED CONSTRUCTION SEQUENCE:
 1. SHIFT RAMP B TRAFFIC TO SOUTHERN SIDE OF EXISTING RAMP B.
 2. CONSTRUCT PROPOSED IMPROVEMENTS, EXCEPT HOT-MIX ASPHALT SURFACE COURSE, ON THE NORTHWEST CORNER OF THE CH-9/RAMP B INTERSECTION AS INDICATED ON THE STAGE 3A CONSTRUCTION PLAN.

APPLICABLE IDOT HIGHWAY STANDARDS:

635011-02	701206-03	701456-03
701001-02	701301-04	701901-04
701006-05	701306-03	704001-07
701011-04	701321-14	
701201-04	701326-04	

- NOTES:**
- TEMPORARY CONCRETE BARRIER SHALL BE SECURED TO THE PAVEMENT ACCORDING TO SAFETY ENGINEERING POLICY MEMORANDUM 4-15 AND THE STANDARD SPECIFICATIONS.
 - THE CONTRACTOR SHALL AVOID LEAVING DROP-OFFS GREATER THAN 2" DURING CONSTRUCTION INACTIVITY ON THIS PROJECT. ANY DROP-OFFS GREATER THAN 2" WILL NEED TO BE PROTECTED ACCORDING TO SAFETY ENGINEERING POLICY MEMORANDUM 4-15 OR AS DIRECTED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.
 - SEE STRUCTURE PLANS FOR TEMPORARY SHEET PILING & BRIDGE STAGING DETAILS.
 - TEMPORARY SHORING WILL BE REQUIRED BETWEEN THE FOLLOWING APPROXIMATE ROADWAY STATIONS:
 STA. 17+72 TO STA. 18+56.92
 STA. 22+91.07 TO STA. 24+44

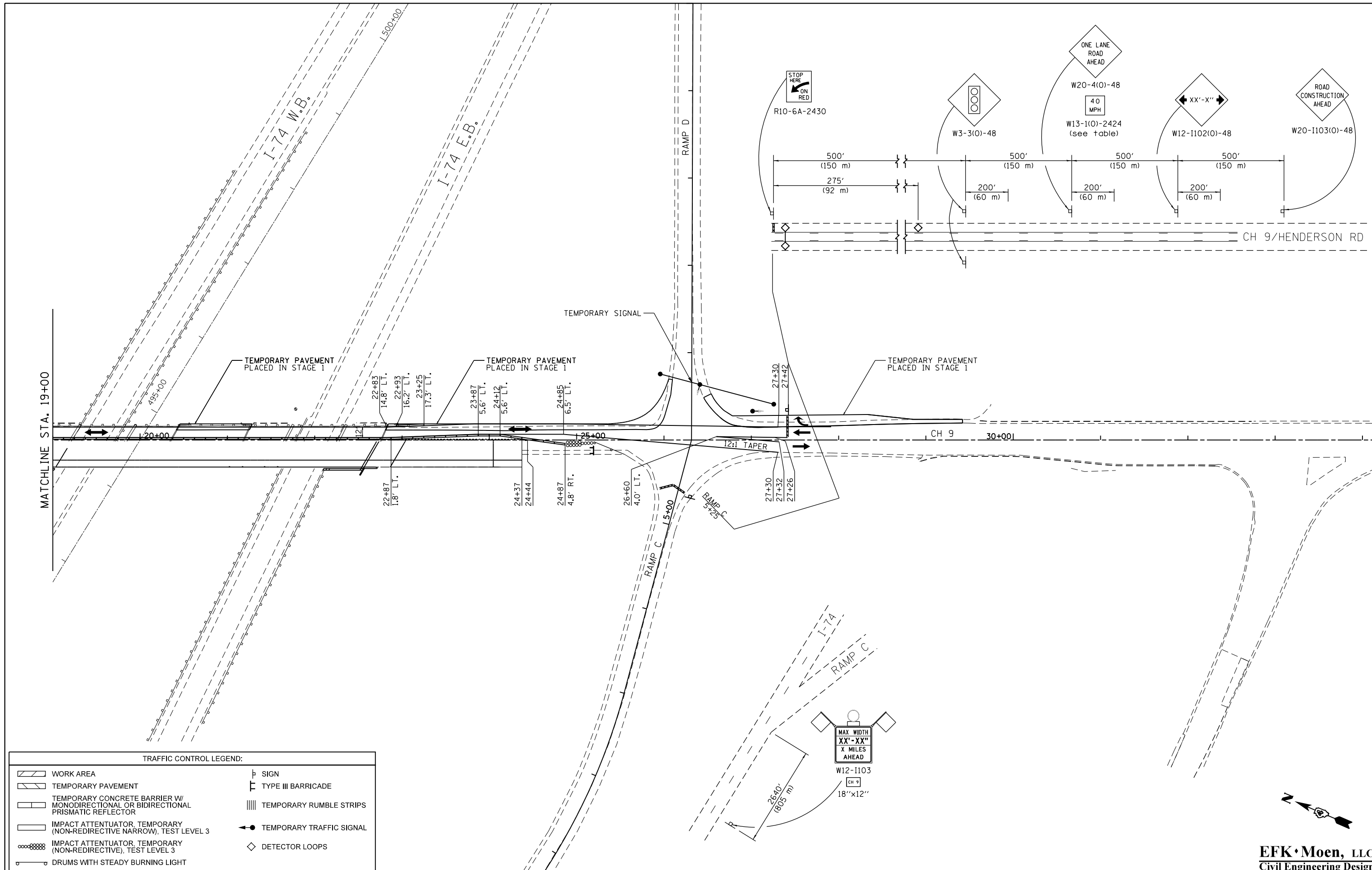
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PLOT DATE = 8/14/2015	DATE - 7/31/2015		REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGING AND TRAFFIC CONTROL PLAN			
STAGE 3A			
SCALE: 50' = 1"	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.

F.A.I. RTE. 74	SECTION (48-27HB-3)BR	COUNTY KNOX	TOTAL SHEETS 220	SHEET NO. 54
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

EFK Moen, LLC
Civil Engineering Design



TRAFFIC CONTROL LEGEND:

	WORK AREA		SIGN
	TEMPORARY PAVEMENT		TYPE III BARRICADE
	TEMPORARY CONCRETE BARRIER W/ MONODIRECTIONAL OR BIDIRECTIONAL PRISMATIC REFLECTOR		TEMPORARY RUMBLE STRIPS
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE NARROW), TEST LEVEL 3		TEMPORARY TRAFFIC SIGNAL
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3		DETECTOR LOOPS
	DRUMS WITH STEADY BURNING LIGHT		

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

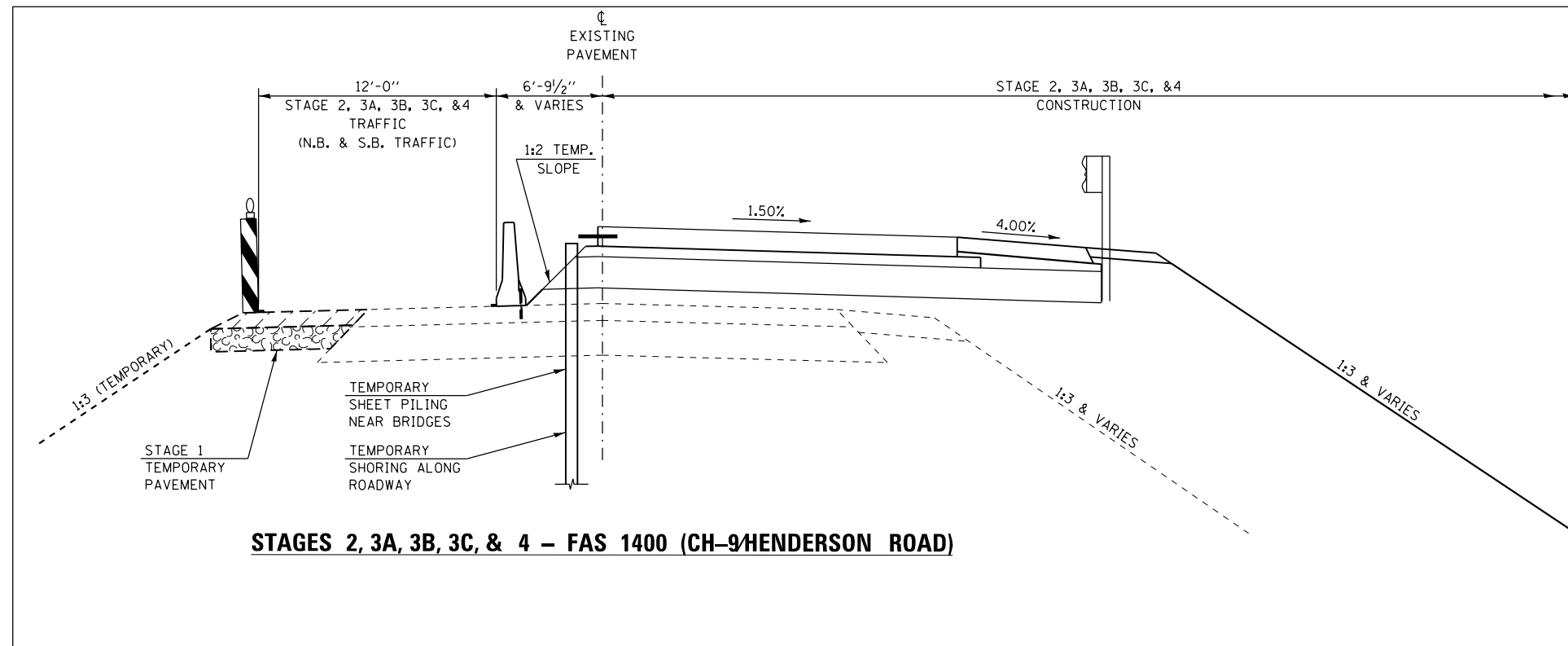
**STAGING AND TRAFFIC CONTROL PLAN
STAGE 3A**

SCALE: 50' = 1" SHEET NO. 2 OF 2 SHEETS STA. TO STA.

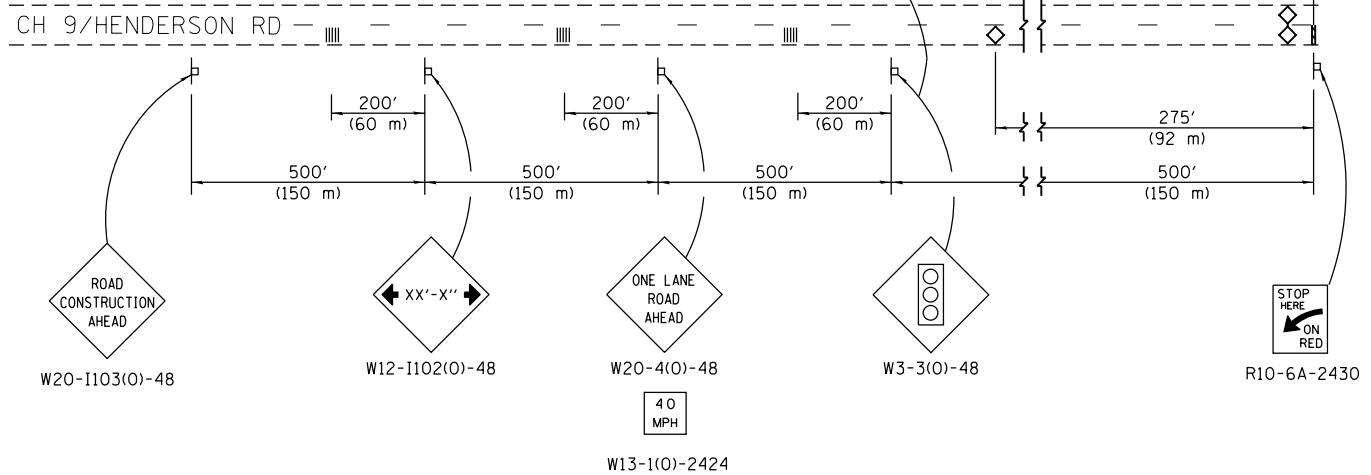
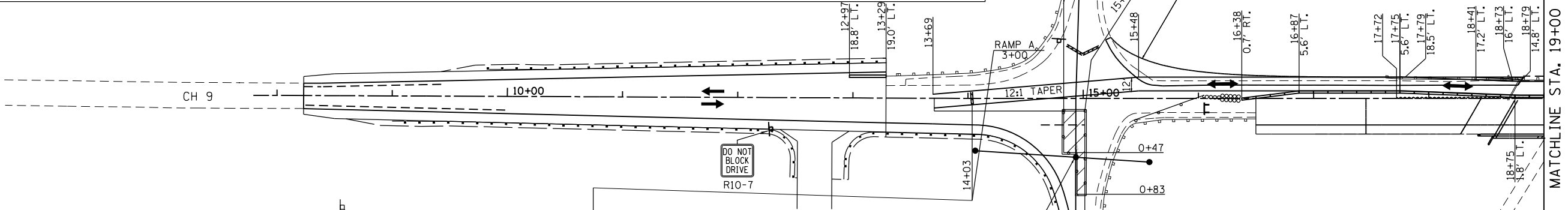
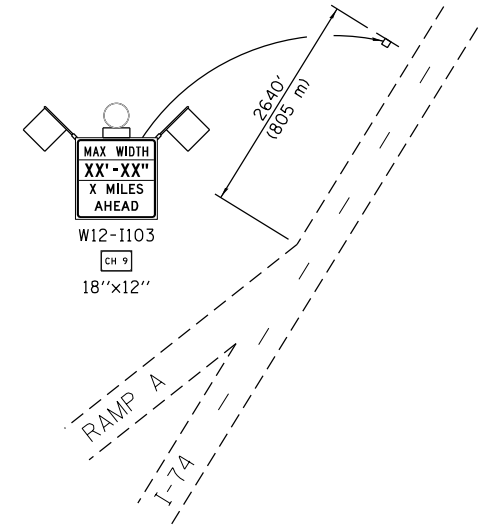
F.A.I. RTE. = 74	SECTION = (48-27HB-3)BR	COUNTY = KNOX	TOTAL SHEETS = 220	SHEET NO. = 55
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

EFK Moen, LLC
Civil Engineering Design





STAGES 2, 3A, 3B, 3C, & 4 – FAS 1400 (CH-9/HENDERSON ROAD)



- STAGE 3B SUGGESTED CONSTRUCTION SEQUENCE:**
1. THIS STAGE SHOULD BE CONSTRUCTED OVER A WEEKEND.
 2. DIVERT RAMP B TRAFFIC AROUND STAGE 3B CONSTRUCTION ZONE.
 3. CONSTRUCT PROPOSED IMPROVEMENTS, EXCEPT HOT-MIX ASPHALT SURFACE COURSE, NEAR THE CENTERLINE OF RAMP B AS INDICATED ON THE STAGE 3B CONSTRUCTION PLAN.

- APPLICABLE IDOT HIGHWAY STANDARDS:**
- | | | |
|-----------|-----------|-----------|
| 635011-02 | 701206-03 | 701456-03 |
| 701001-02 | 701301-04 | 701901-04 |
| 701006-05 | 701306-03 | 704001-07 |
| 701011-04 | 701321-14 | |
| 701201-04 | 701326-04 | |

- NOTES:**
1. TEMPORARY CONCRETE BARRIER SHALL BE SECURED TO THE PAVEMENT ACCORDING TO SAFETY ENGINEERING POLICY MEMORANDUM 4-15 AND THE STANDARD SPECIFICATIONS.
 2. THE CONTRACTOR SHALL AVOID LEAVING DROP-OFFS GREATER THAN 2" DURING CONSTRUCTION INACTIVITY ON THIS PROJECT. ANY DROP-OFFS GREATER THAN 2" WILL NEED TO BE PROTECTED ACCORDING TO SAFETY ENGINEERING POLICY MEMORANDUM 4-15 OR AS DIRECTED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.
 3. SEE STRUCTURE PLANS FOR TEMPORARY SHEET PILING & BRIDGE STAGING DETAILS.
 4. TEMPORARY SHORING WILL BE REQUIRED BETWEEN THE FOLLOWING APPROXIMATE ROADWAY STATIONS:
 STA. 17+72 TO STA. 18+56.92
 STA. 22+91.07 TO STA. 24+44

TRAFFIC CONTROL LEGEND:

	WORK AREA		SIGN
	TEMPORARY PAVEMENT		TYPE III BARRICADE
	TEMPORARY CONCRETE BARRIER W/ MONODIRECTIONAL OR BIDIRECTIONAL PRISMATIC REFLECTOR		TEMPORARY RUMBLE STRIPS
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE NARROW), TEST LEVEL 3		TEMPORARY TRAFFIC SIGNAL
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3		DETECTOR LOOPS
	DRUMS WITH STEADY BURNING LIGHT		

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		CHECKED - SLD	REVISED -
		DATE - 7/31/2015	REVISED -

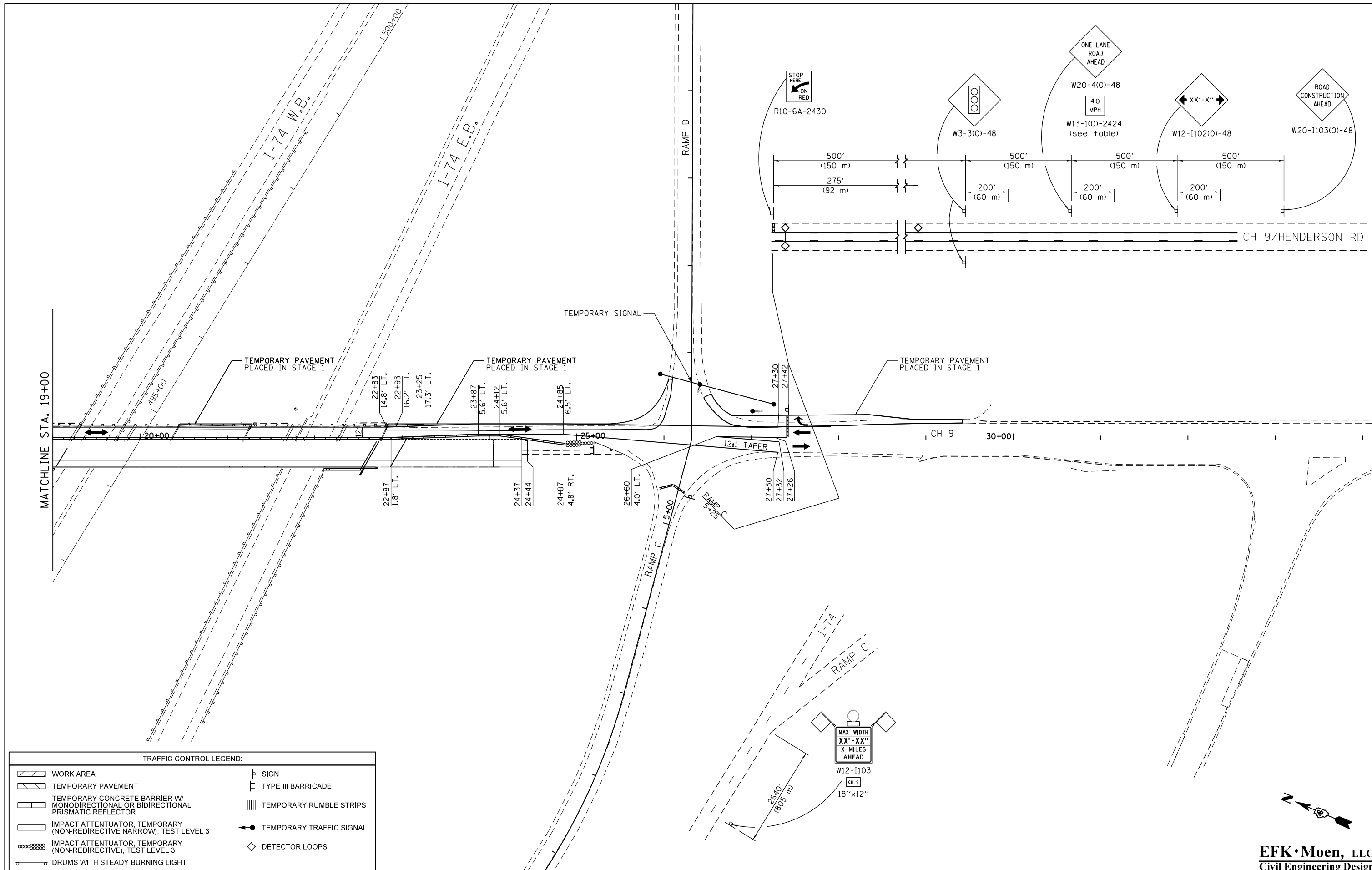
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGING AND TRAFFIC CONTROL PLAN
STAGE 3B**

SCALE: 50' = 1" SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	56
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

EFK Moen, LLC
Civil Engineering Design



TRAFFIC CONTROL LEGEND:

	WORK AREA		SIGN
	TEMPORARY PAVEMENT		TYPE III BARRICADE
	TEMPORARY CONCRETE BARRIER W/ MONODIRECTIONAL OR BIDIRECTIONAL PRISMATIC REFLECTOR		TEMPORARY RUMBLE STRIPS
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE NARROW), TEST LEVEL 3		TEMPORARY TRAFFIC SIGNAL
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3		DETECTOR LOOPS
	DRUMS WITH STEADY BURNING LIGHT		

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	PLOT DATE = 8/14/2015	DATE - 7/31/2015	REVISED -

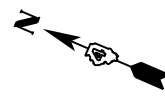
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

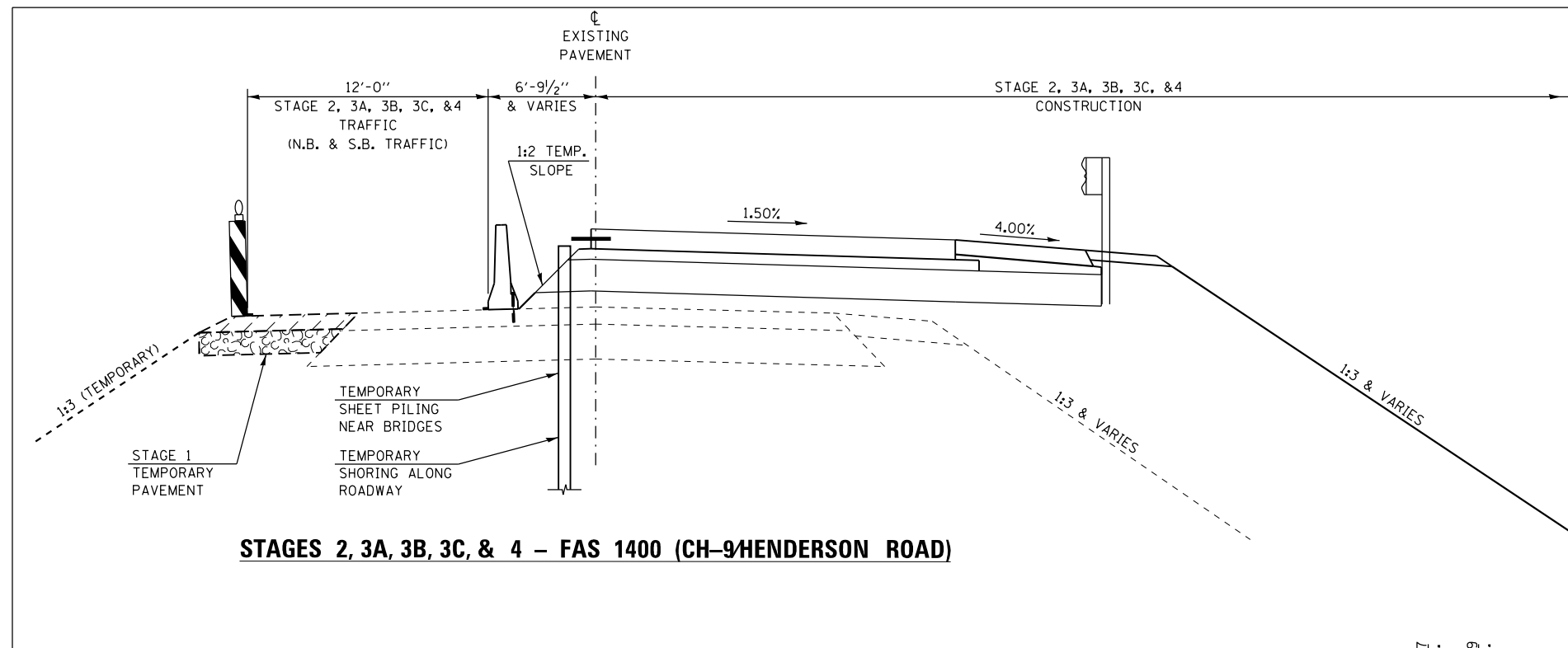
**STAGING AND TRAFFIC CONTROL PLAN
STAGE 3B**

SCALE: 50' = 1" SHEET NO. 2 OF 2 SHEETS STA. TO STA.

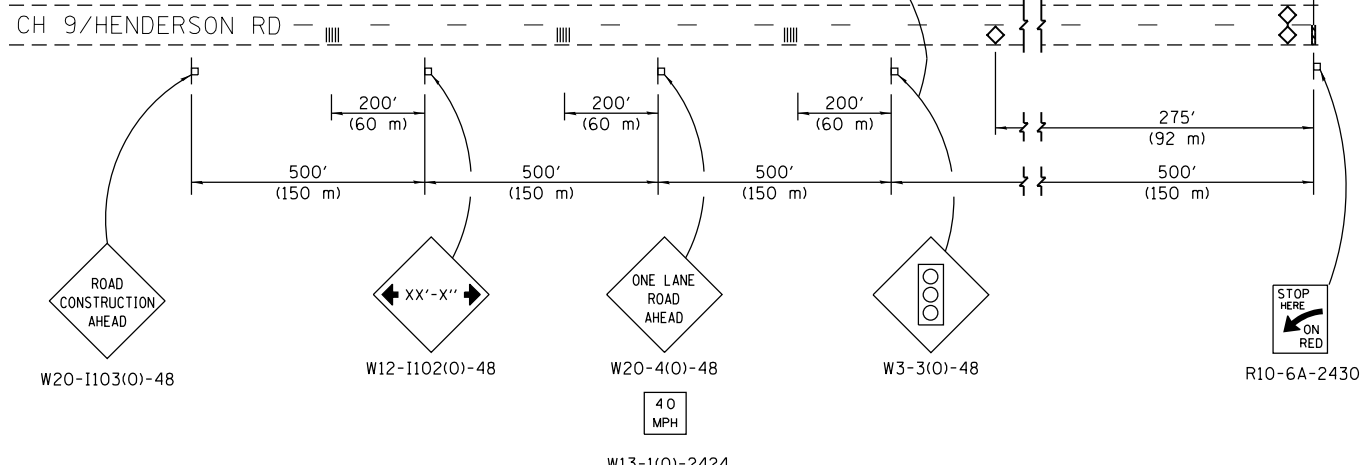
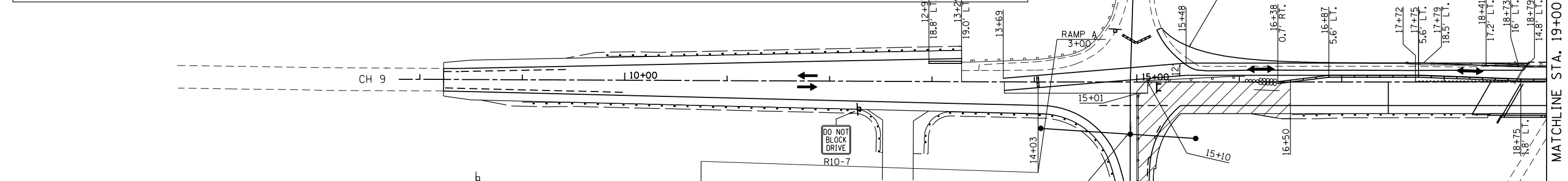
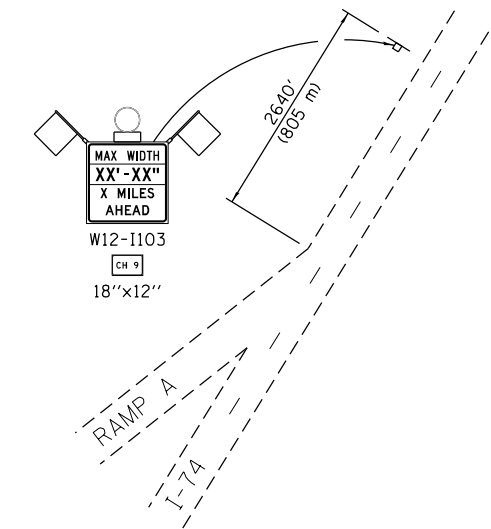
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	57
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

EFK Moen, LLC
Civil Engineering Design





STAGES 2, 3A, 3B, 3C, & 4 – FAS 1400 (CH-9/HENDERSON ROAD)



- STAGE 3C SUGGESTED CONSTRUCTION SEQUENCE:**
1. SHIFT RAMP B TRAFFIC TO NORTHERN SIDE OF EXISTING RAMP B.
 2. CONSTRUCT PROPOSED IMPROVEMENTS, EXCEPT HOT-MIX ASPHALT SURFACE COURSE, ON THE SOUTHWEST CORNER OF THE CH-9/RAMP B INTERSECTION AS INDICATED ON THE STAGE 3C CONSTRUCTION PLAN.
 3. SHIFT RAMP B TRAFFIC BACK TO CENTER OF RAMP B.

- APPLICABLE IDOT HIGHWAY STANDARDS:**
- | | | |
|-----------|-----------|-----------|
| 635011-02 | 701206-03 | 701456-03 |
| 701001-02 | 701301-04 | 701901-04 |
| 701006-05 | 701306-03 | 704001-07 |
| 701011-04 | 701321-14 | |
| 701201-04 | 701326-04 | |

- NOTES:**
1. TEMPORARY CONCRETE BARRIER SHALL BE SECURED TO THE PAVEMENT ACCORDING TO SAFETY ENGINEERING POLICY MEMORANDUM 4-15 AND THE STANDARD SPECIFICATIONS.
 2. THE CONTRACTOR SHALL AVOID LEAVING DROP-OFFS GREATER THAN 2" DURING CONSTRUCTION INACTIVITY ON THIS PROJECT. ANY DROP-OFFS GREATER THAN 2" WILL NEED TO BE PROTECTED ACCORDING TO SAFETY ENGINEERING POLICY MEMORANDUM 4-15 OR AS DIRECTED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.
 3. SEE STRUCTURE PLANS FOR TEMPORARY SHEET PILING & BRIDGE STAGING DETAILS.
 4. TEMPORARY SHORING WILL BE REQUIRED BETWEEN THE FOLLOWING APPROXIMATE ROADWAY STATIONS:
 STA. 17+72 TO STA. 18+56.92
 STA. 22+91.07 TO STA. 24+44

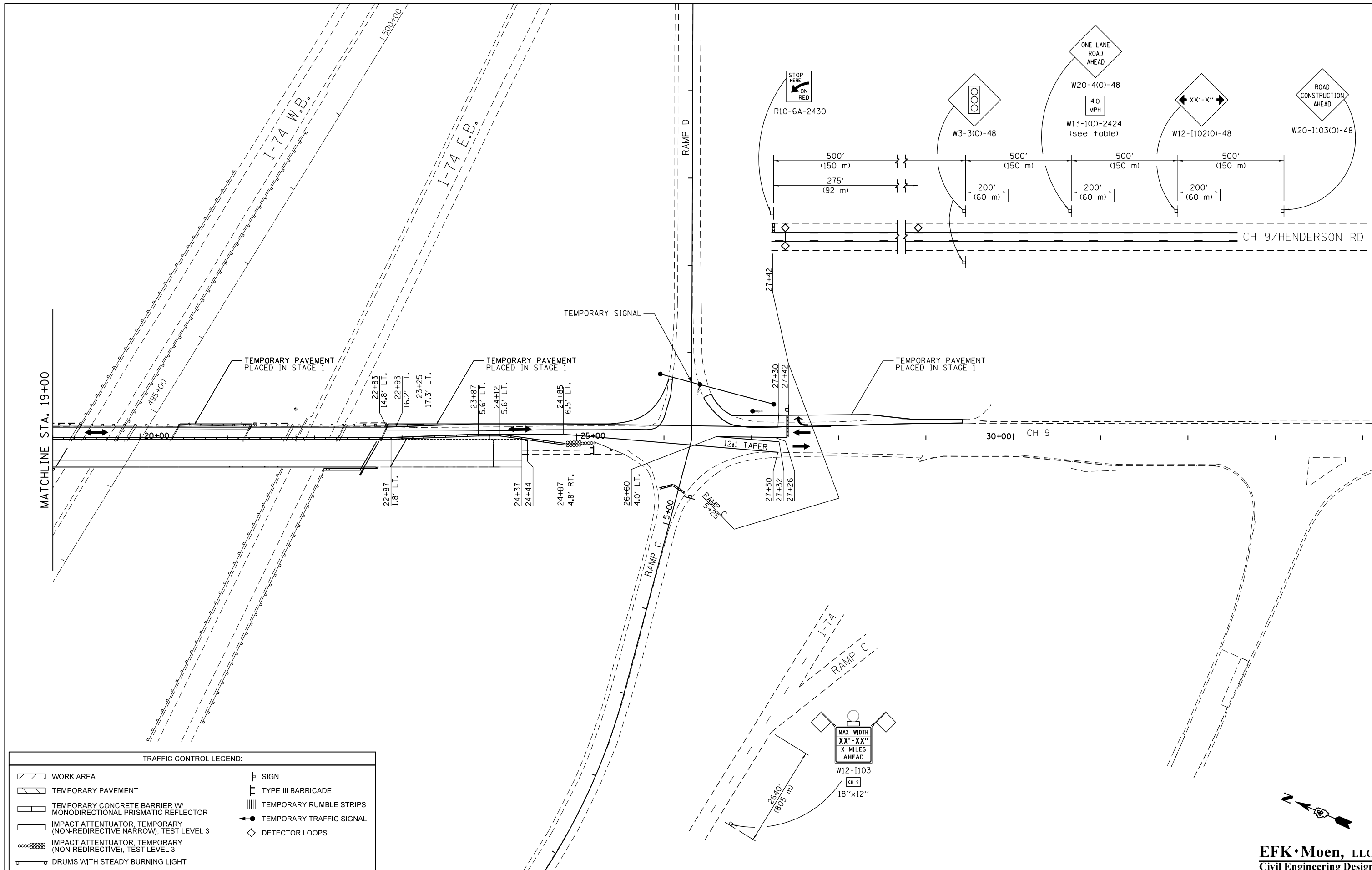
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		CHECKED - SLD	REVISED -
		DATE - 7/31/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGING AND TRAFFIC CONTROL PLAN STAGE 3C			
SCALE: 50' = 1"	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.

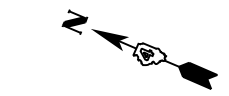
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	58
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

EFK Moen, LLC
Civil Engineering Design



TRAFFIC CONTROL LEGEND:

	WORK AREA		SIGN
	TEMPORARY PAVEMENT		TYPE III BARRICADE
	TEMPORARY CONCRETE BARRIER W/ MONODIRECTIONAL PRISMATIC REFLECTOR		TEMPORARY RUMBLE STRIPS
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE NARROW), TEST LEVEL 3		TEMPORARY TRAFFIC SIGNAL
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3		DETECTOR LOOPS
	DRUMS WITH STEADY BURNING LIGHT		



EFK Moen, LLC
Civil Engineering Design

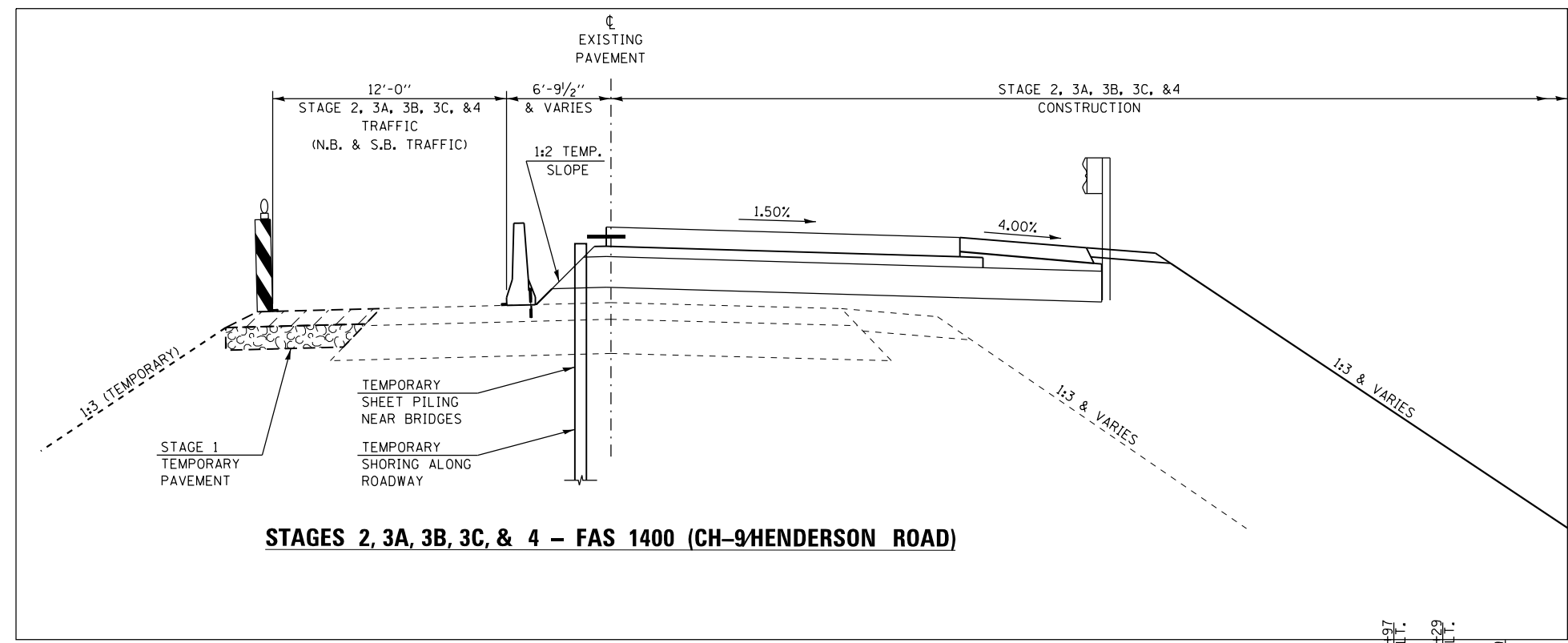
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PLOT DATE = 8/14/2015	DATE - 7/31/2015		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

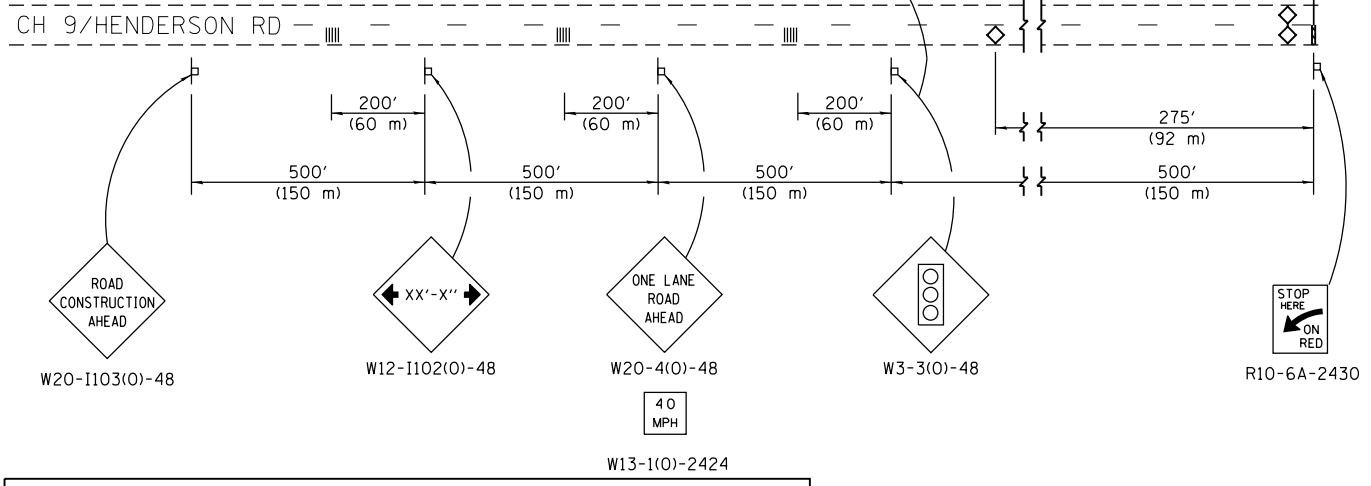
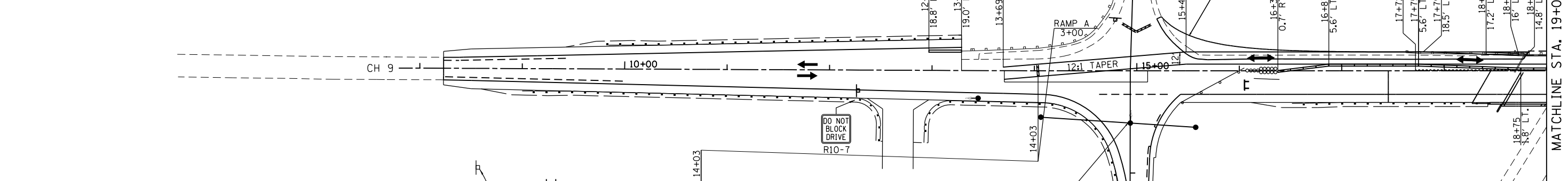
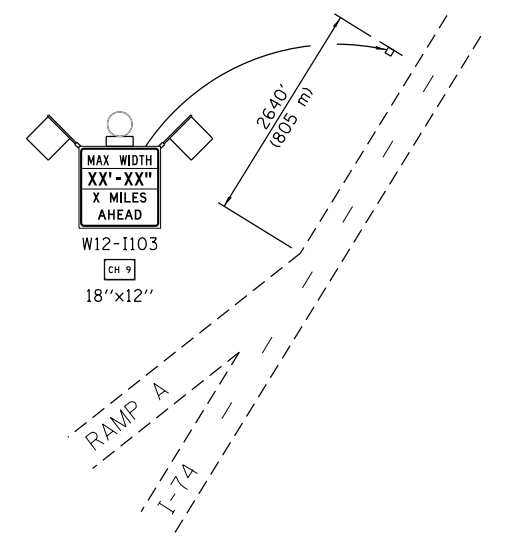
STAGING AND TRAFFIC CONTROL PLAN
STAGE 3C

SCALE: 50' = 1" SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	59
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				



STAGES 2, 3A, 3B, 3C, & 4 – FAS 1400 (CH-9/HENDERSON ROAD)



- STAGE 4 SUGGESTED CONSTRUCTION SEQUENCE (1 WEEK CLOSURE MAX.):**
1. EXTEND STAGE 3C TEMPORARY CONCRETE BARRIER NEAR RAMPS C & D SOUTHWARD AND CLOSE RAMP C UTILIZING THE STAGE 4 INTERSTATE DETOUR PLAN.
 2. CONSTRUCT PROPOSED IMPROVEMENTS, EXCEPT HOT-MIX ASPHALT SURFACE COURSE, AS INDICATED ON THE STAGE 4 CONSTRUCTION PLAN.
 3. APPLY TEMPORARY PAVEMENT TO THE NORTHWEST CORNER OF THE CH-9/RAMP C INTERSECTION (FOR STAGE 5 THRU STAGE 7 TRAFFIC).
 4. PLACE TEMPORARY CONCRETE BARRIER AND TRAFFIC CONTROL DEVICES FOR STAGE 5 CONSTRUCTION.

- APPLICABLE IDOT HIGHWAY STANDARDS:**
- | | | |
|-----------|-----------|-----------|
| 635011-02 | 701206-03 | 701451-03 |
| 701001-02 | 701301-04 | 701901-04 |
| 701006-05 | 701306-03 | 704001-07 |
| 701011-04 | 701321-14 | |
| 701201-04 | 701326-04 | |

TRAFFIC CONTROL LEGEND:

	WORK AREA		SIGN
	TEMPORARY PAVEMENT		TYPE III BARRICADE
	TEMPORARY CONCRETE BARRIER W/ MONODIRECTIONAL OR BIDIRECTIONAL PRISMATIC REFLECTOR		TEMPORARY RUMBLE STRIPS
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE NARROW), TEST LEVEL 3		TEMPORARY TRAFFIC SIGNAL
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3		DETECTOR LOOPS
	DRUMS WITH STEADY BURNING LIGHT		

- NOTES:**
1. TEMPORARY CONCRETE BARRIER SHALL BE SECURED TO THE PAVEMENT ACCORDING TO SAFETY ENGINEERING POLICY MEMORANDUM 4-15 AND THE STANDARD SPECIFICATIONS.
 2. THE CONTRACTOR SHALL AVOID LEAVING DROP-OFFS GREATER THAN 2" DURING CONSTRUCTION INACTIVITY ON THIS PROJECT. ANY DROP-OFFS GREATER THAN 2" WILL NEED TO BE PROTECTED ACCORDING TO SAFETY ENGINEERING POLICY MEMORANDUM 4-15 OR AS DIRECTED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.
 3. SEE STRUCTURE PLANS FOR TEMPORARY SHEET PILING & BRIDGE STAGING DETAILS.
 4. TEMPORARY SHORING WILL BE REQUIRED BETWEEN THE FOLLOWING APPROXIMATE ROADWAY STATIONS:
 STA. 17+72 TO STA. 18+56.92
 STA. 22+91.07 TO STA. 24+44

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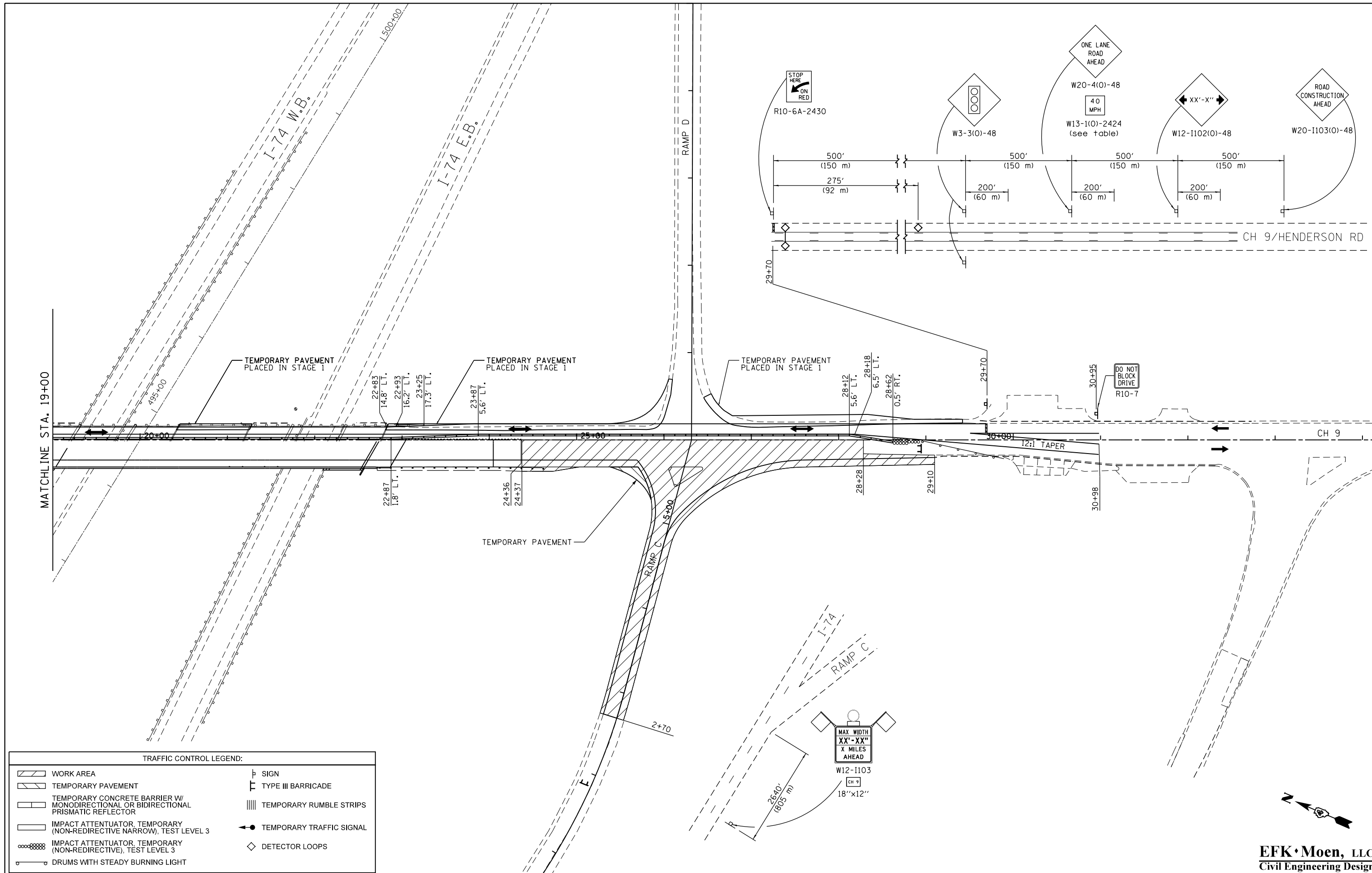
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGING AND TRAFFIC CONTROL PLAN
STAGE 4**

SCALE: 50' = 1" SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE. 74	SECTION (48-27HB-3)BR	COUNTY KNOX	TOTAL SHEETS 220	SHEET NO. 60
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

EFK Moen, LLC
Civil Engineering Design



TRAFFIC CONTROL LEGEND:

WORK AREA	SIGN
TEMPORARY PAVEMENT	TYPE III BARRICADE
TEMPORARY CONCRETE BARRIER W/ MONODIRECTIONAL OR BIDIRECTIONAL PRISMATIC REFLECTOR	TEMPORARY RUMBLE STRIPS
IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE NARROW), TEST LEVEL 3	TEMPORARY TRAFFIC SIGNAL
IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	DETECTOR LOOPS
DRUMS WITH STEADY BURNING LIGHT	

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		DATE - 7/31/2015	REVISED -

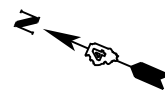
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

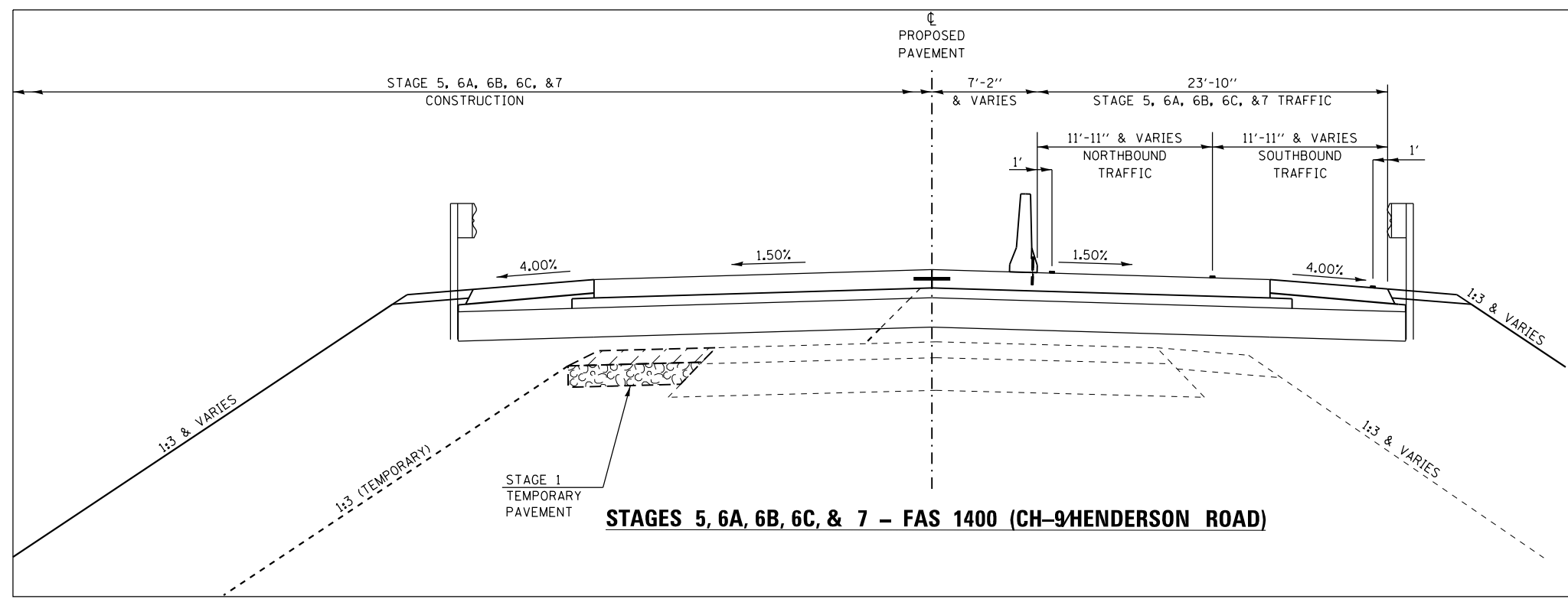
**STAGING AND TRAFFIC CONTROL PLAN
STAGE 4**

SCALE: 50' = 1" SHEET NO. 2 OF 2 SHEETS STA. TO STA.

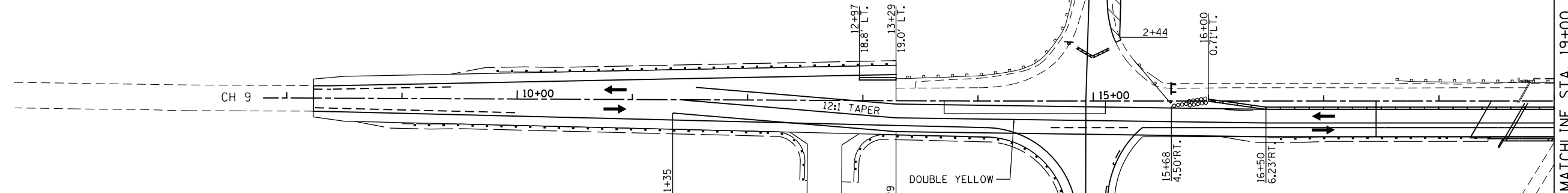
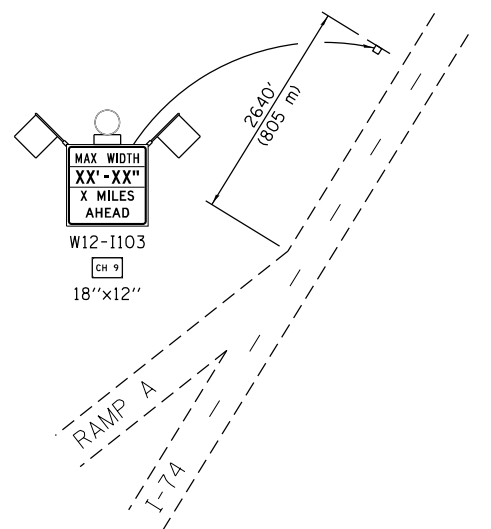
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	61
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

EFK Moen, LLC
Civil Engineering Design





STAGES 5, 6A, 6B, 6C, & 7 - FAS 1400 (CH-9/HENDERSON ROAD)



- STAGE 5 SUGGESTED CONSTRUCTION SEQUENCE (1 WEEK CLOSURE MAX.):
1. SHIFT TRAFFIC TO 2 LANES ON THE WEST SIDE OF THE PROPOSED ROADWAY/BRIDGE PER IDOT DISTRICT 4 STANDARD DETAIL 701331-D4 & OPEN RAMP C TO TRAFFIC.
 2. CLOSE RAMP D UTILIZING THE STAGE 5 INTERSTATE DETOUR PLAN AND REMOVE ANY REMAINING UNUSED TEMPORARY CONCRETE BARRIER OR TRAFFIC CONTROL DEVICES FROM STAGE 4.
 3. CONSTRUCT PROPOSED IMPROVEMENTS, EXCEPT HOT-MIX ASPHALT SURFACE COURSE, AS INDICATED ON STAGE 5 CONSTRUCTION PLAN.
 4. APPLY TEMPORARY PAVEMENT TO AREAS INDICATED ON THE STAGE 5 CONSTRUCTION PLAN. REMOVAL OF THE SOUTH SHOULDER ON RAMP A WILL BE REQUIRED.
 5. REMOVE SOUTHERN PORTION OF STAGE 5 TEMPORARY CONCRETE BARRIER NEAR RAMPS C/D AND OPEN RAMP D TO TRAFFIC.
 6. PLACE TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES FOR WINTER SHUT-DOWN PERIOD IF APPLICABLE. OTHERWISE PROCEED ONTO STAGE 6A CONSTRUCTION.

APPLICABLE IDOT HIGHWAY STANDARDS:

635011-02	701201-04	701326-04
701001-02	701206-03	701451-03
701006-05	701301-04	701901-04
701011-04	701306-03	704001-07

APPLICABLE DISTRICT STANDARDS:
701331-D4

TRAFFIC CONTROL LEGEND:

	WORK AREA		SIGN
	TEMPORARY PAVEMENT		TYPE III BARRICADE
	TEMPORARY CONCRETE BARRIER W/ MONODIRECTIONAL OR BIDIRECTIONAL PRISMATIC REFLECTOR		TEMPORARY RUMBLE STRIPS
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE NARROW), TEST LEVEL 3		TEMPORARY TRAFFIC SIGNAL
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3		DETECTOR LOOPS
	DRUMS WITH STEADY BURNING LIGHT		

- NOTES:
1. TEMPORARY CONCRETE BARRIER SHALL BE SECURED TO THE PAVEMENT ACCORDING TO SAFETY ENGINEERING POLICY MEMORANDUM 4-15 AND THE STANDARD SPECIFICATIONS.
 2. THE CONTRACTOR SHALL AVOID LEAVING DROP-OFFS GREATER THAN 2" DURING CONSTRUCTION INACTIVITY ON THIS PROJECT. ANY DROP-OFFS GREATER THAN 2" WILL NEED TO BE PROTECTED ACCORDING TO SAFETY ENGINEERING POLICY MEMORANDUM 4-15 OR AS DIRECTED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.
 3. SEE STRUCTURE PLANS FOR TEMPORARY SHEET PILING & BRIDGE STAGING DETAILS.
 4. TEMPORARY SHORING (PLACED IN STAGE 2) MAY BE REQUIRED TO REMAIN-IN-PLACE BETWEEN THE FOLLOWING APPROXIMATE ROADWAY STATIONS:
STA. 17+72 TO STA. 18+56.92
STA. 22+91.07 TO STA. 24+44

EFK Moen, LLC
Civil Engineering Design

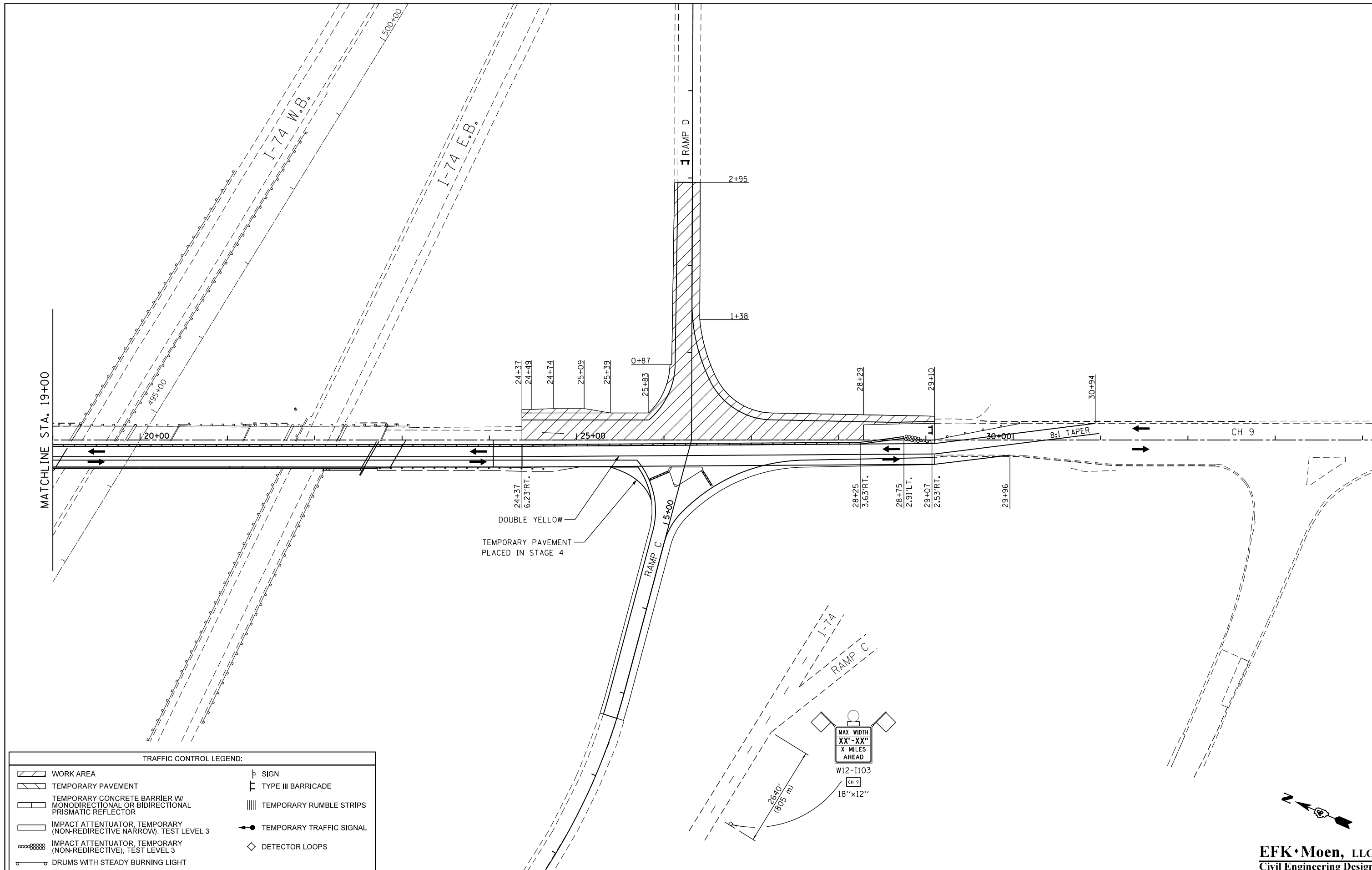
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PLOT DATE = 8/14/2015		CHECKED - SLD	REVISED -
		DATE - 7/31/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING AND TRAFFIC CONTROL PLAN
STAGE 5

SCALE: 50' = 1" SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	62
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				



TRAFFIC CONTROL LEGEND:

	WORK AREA		SIGN
	TEMPORARY PAVEMENT		TYPE III BARRICADE
	TEMPORARY CONCRETE BARRIER W/ MONODIRECTIONAL OR BIDIRECTIONAL PRISMATIC REFLECTOR		TEMPORARY RUMBLE STRIPS
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE NARROW), TEST LEVEL 3		TEMPORARY TRAFFIC SIGNAL
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3		DETECTOR LOOPS
	DRUMS WITH STEADY BURNING LIGHT		

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	PLOT DATE = 8/14/2015	DATE - 7/31/2015	REVISED -

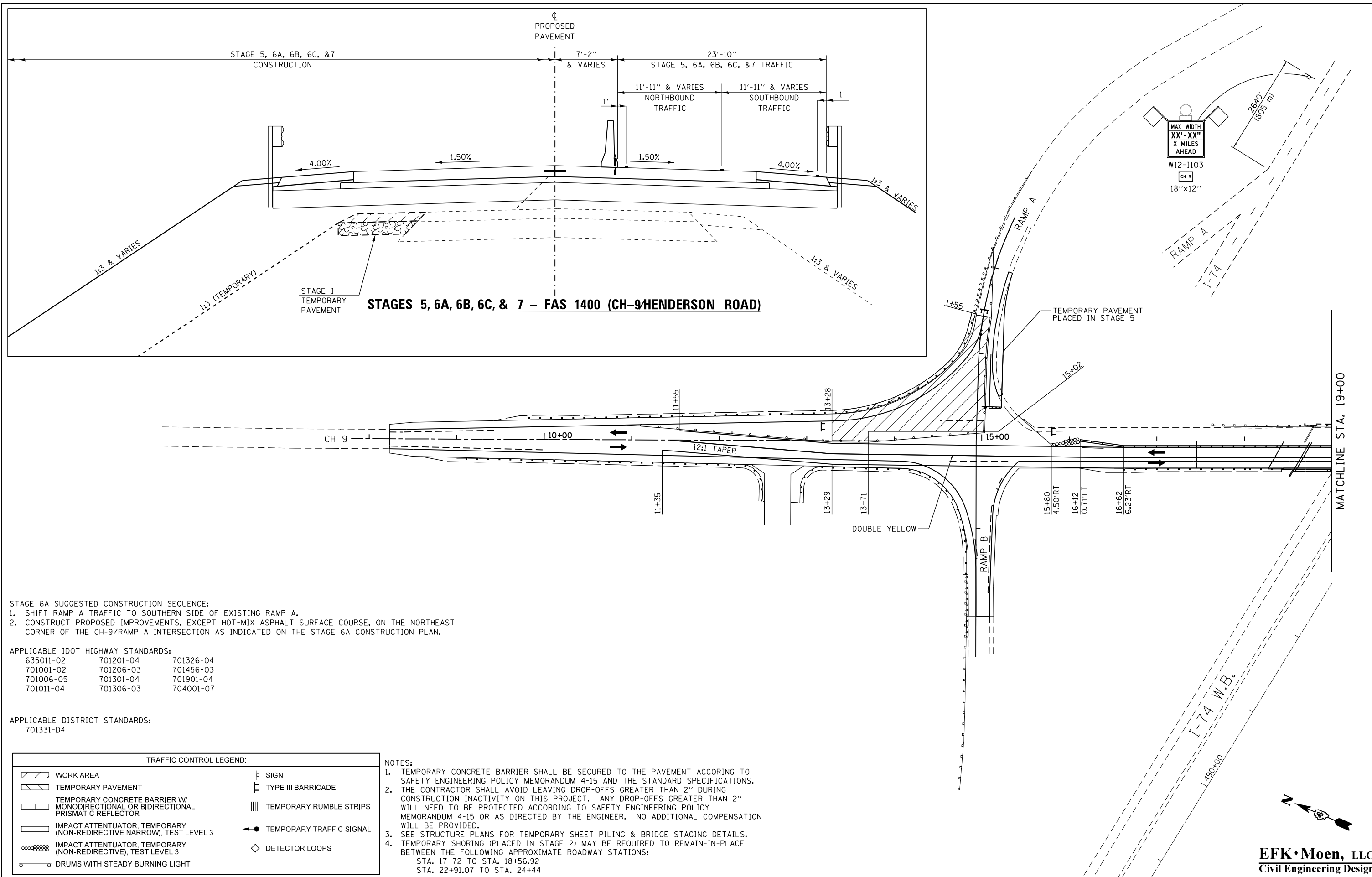
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGING AND TRAFFIC CONTROL PLAN
STAGE 5**

SCALE: 50' = 1" SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	63
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

EFK Moen, LLC
Civil Engineering Design



STAGE 6A SUGGESTED CONSTRUCTION SEQUENCE:
 1. SHIFT RAMP A TRAFFIC TO SOUTHERN SIDE OF EXISTING RAMP A.
 2. CONSTRUCT PROPOSED IMPROVEMENTS, EXCEPT HOT-MIX ASPHALT SURFACE COURSE, ON THE NORTHEAST CORNER OF THE CH-9/RAMP A INTERSECTION AS INDICATED ON THE STAGE 6A CONSTRUCTION PLAN.

APPLICABLE IDOT HIGHWAY STANDARDS:

635011-02	701201-04	701326-04
701001-02	701206-03	701456-03
701006-05	701301-04	701901-04
701011-04	701306-03	704001-07

APPLICABLE DISTRICT STANDARDS:
 701331-D4

TRAFFIC CONTROL LEGEND:	
	WORK AREA
	TEMPORARY PAVEMENT
	TEMPORARY CONCRETE BARRIER W/ MONODIRECTIONAL OR BIDIRECTIONAL PRISMATIC REFLECTOR
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE NARROW), TEST LEVEL 3
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
	DRUMS WITH STEADY BURNING LIGHT
	SIGN
	TYPE III BARRICADE
	TEMPORARY RUMBLE STRIPS
	TEMPORARY TRAFFIC SIGNAL
	DETECTOR LOOPS

NOTES:
 1. TEMPORARY CONCRETE BARRIER SHALL BE SECURED TO THE PAVEMENT ACCORDING TO SAFETY ENGINEERING POLICY MEMORANDUM 4-15 AND THE STANDARD SPECIFICATIONS.
 2. THE CONTRACTOR SHALL AVOID LEAVING DROP-OFFS GREATER THAN 2" DURING CONSTRUCTION INACTIVITY ON THIS PROJECT. ANY DROP-OFFS GREATER THAN 2" WILL NEED TO BE PROTECTED ACCORDING TO SAFETY ENGINEERING POLICY MEMORANDUM 4-15 OR AS DIRECTED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.
 3. SEE STRUCTURE PLANS FOR TEMPORARY SHEET PILING & BRIDGE STAGING DETAILS.
 4. TEMPORARY SHORING (PLACED IN STAGE 2) MAY BE REQUIRED TO REMAIN-IN-PLACE BETWEEN THE FOLLOWING APPROXIMATE ROADWAY STATIONS:
 STA. 17+72 TO STA. 18+56.92
 STA. 22+91.07 TO STA. 24+44

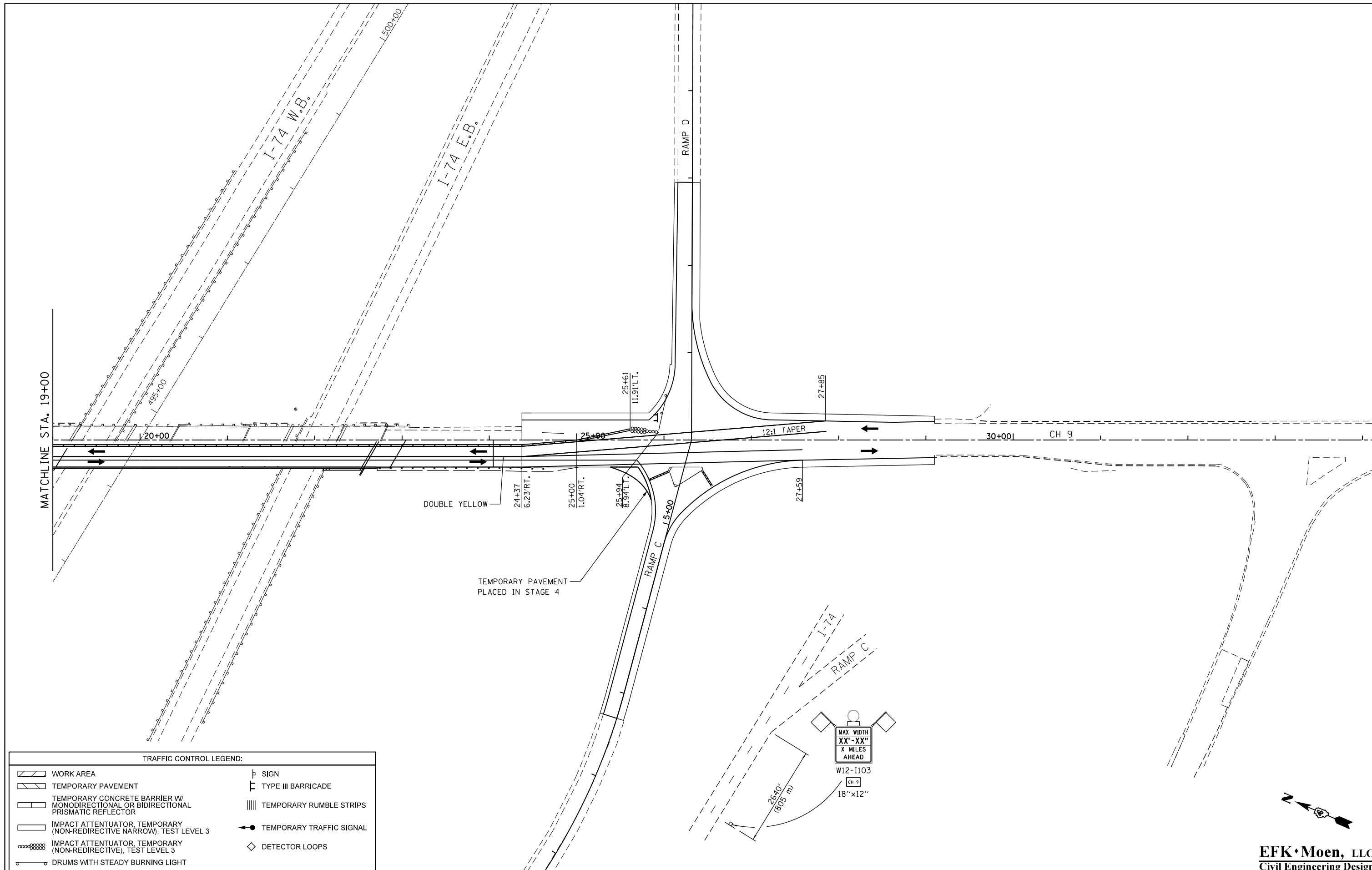
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		CHECKED - SLD	REVISED -
		DATE - 7/31/2015	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STAGING AND TRAFFIC CONTROL PLAN
 STAGE 6A
 SCALE: 50' = 1" SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE. 74	SECTION (48-27HB-3)BR	COUNTY KNOX	TOTAL SHEETS 220	SHEET NO. 64
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

EFK Moen, LLC
 Civil Engineering Design



TRAFFIC CONTROL LEGEND:

	WORK AREA		SIGN
	TEMPORARY PAVEMENT		TYPE III BARRICADE
	TEMPORARY CONCRETE BARRIER W/ MONODIRECTIONAL OR BIDIRECTIONAL PRISMATIC REFLECTOR		TEMPORARY RUMBLE STRIPS
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE NARROW), TEST LEVEL 3		TEMPORARY TRAFFIC SIGNAL
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3		DETECTOR LOOPS
	DRUMS WITH STEADY BURNING LIGHT		

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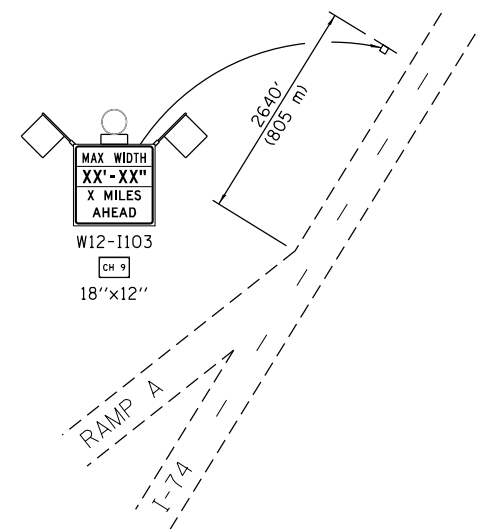
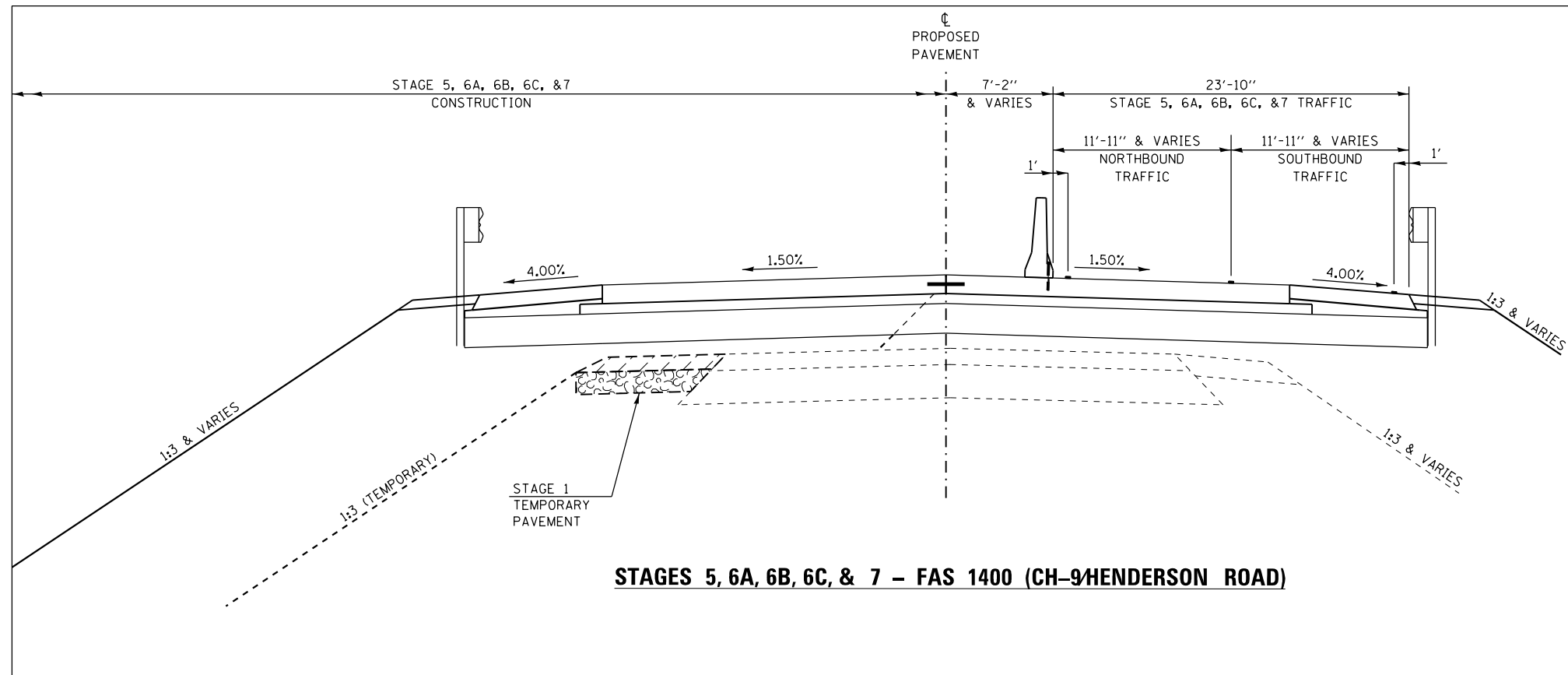
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGING AND TRAFFIC CONTROL PLAN
STAGE 6A**

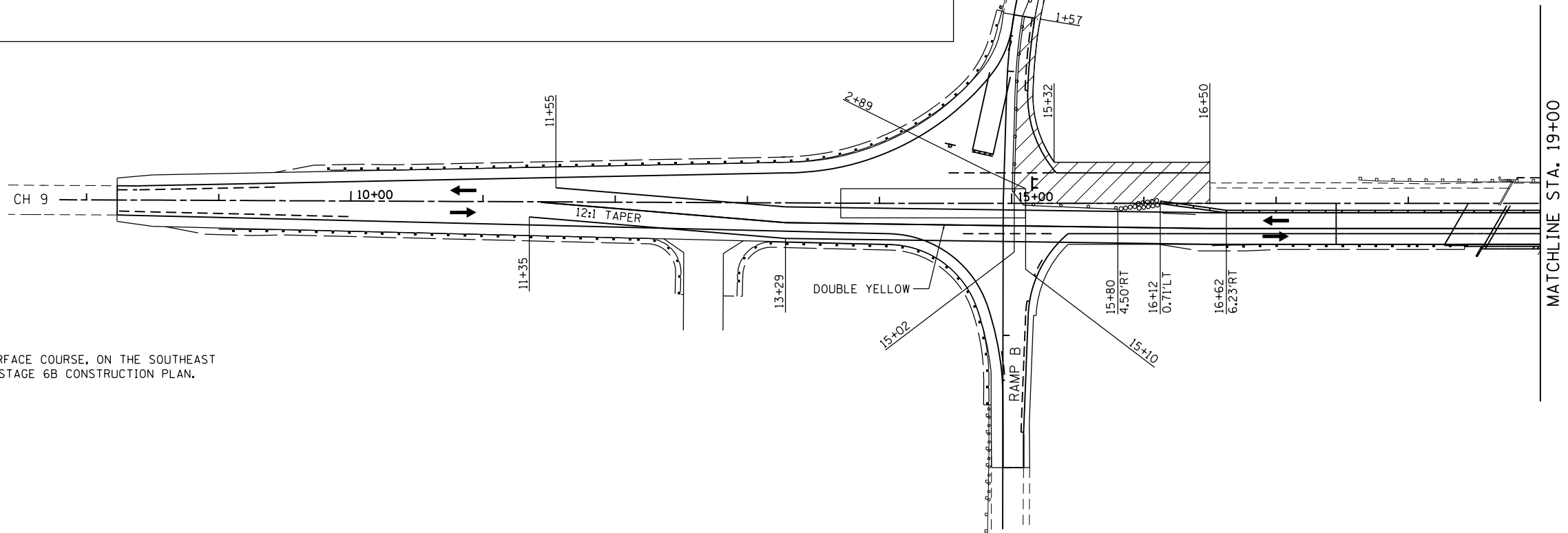
SCALE: 50' = 1" SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	65
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

EFK Moen, LLC
Civil Engineering Design



STAGES 5, 6A, 6B, 6C, & 7 - FAS 1400 (CH-9/HENDERSON ROAD)



STAGE 6B SUGGESTED CONSTRUCTION SEQUENCE:
 1. SHIFT RAMP A TRAFFIC TO NORTHERN SIDE OF EXISTING RAMP A.
 2. CONSTRUCT PROPOSED IMPROVEMENTS, EXCEPT HOT-MIX ASPHALT SURFACE COURSE, ON THE SOUTHEAST CORNER OF THE CH-9/RAMP A INTERSECTION AS INDICATED ON THE STAGE 6B CONSTRUCTION PLAN.

APPLICABLE IDOT HIGHWAY STANDARDS:

635011-02	701201-04	701326-04
701001-02	701206-03	701456-03
701006-05	701301-04	701901-04
701011-04	701306-03	704001-07

APPLICABLE DISTRICT STANDARDS:
 701331-D4

TRAFFIC CONTROL LEGEND:

	WORK AREA		SIGN
	TEMPORARY PAVEMENT		TYPE III BARRICADE
	TEMPORARY CONCRETE BARRIER W/ MONODIRECTIONAL OR BIDIRECTIONAL PRISMATIC REFLECTOR		TEMPORARY RUMBLE STRIPS
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE NARROW), TEST LEVEL 3		TEMPORARY TRAFFIC SIGNAL
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3		DETECTOR LOOPS
	DRUMS WITH STEADY BURNING LIGHT		

NOTES:
 1. TEMPORARY CONCRETE BARRIER SHALL BE SECURED TO THE PAVEMENT ACCORDING TO SAFETY ENGINEERING POLICY MEMORANDUM 4-15 AND THE STANDARD SPECIFICATIONS.
 2. THE CONTRACTOR SHALL AVOID LEAVING DROP-OFFS GREATER THAN 2" DURING CONSTRUCTION INACTIVITY ON THIS PROJECT. ANY DROP-OFFS GREATER THAN 2" WILL NEED TO BE PROTECTED ACCORDING TO SAFETY ENGINEERING POLICY MEMORANDUM 4-15 OR AS DIRECTED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.
 3. SEE STRUCTURE PLANS FOR TEMPORARY SHEET PILING & BRIDGE STAGING DETAILS.
 4. TEMPORARY SHORING (PLACED IN STAGE 2) MAY BE REQUIRED TO REMAIN-IN-PLACE BETWEEN THE FOLLOWING APPROXIMATE ROADWAY STATIONS:
 STA. 17+72 TO STA. 18+56.92
 STA. 22+91.07 TO STA. 24+44



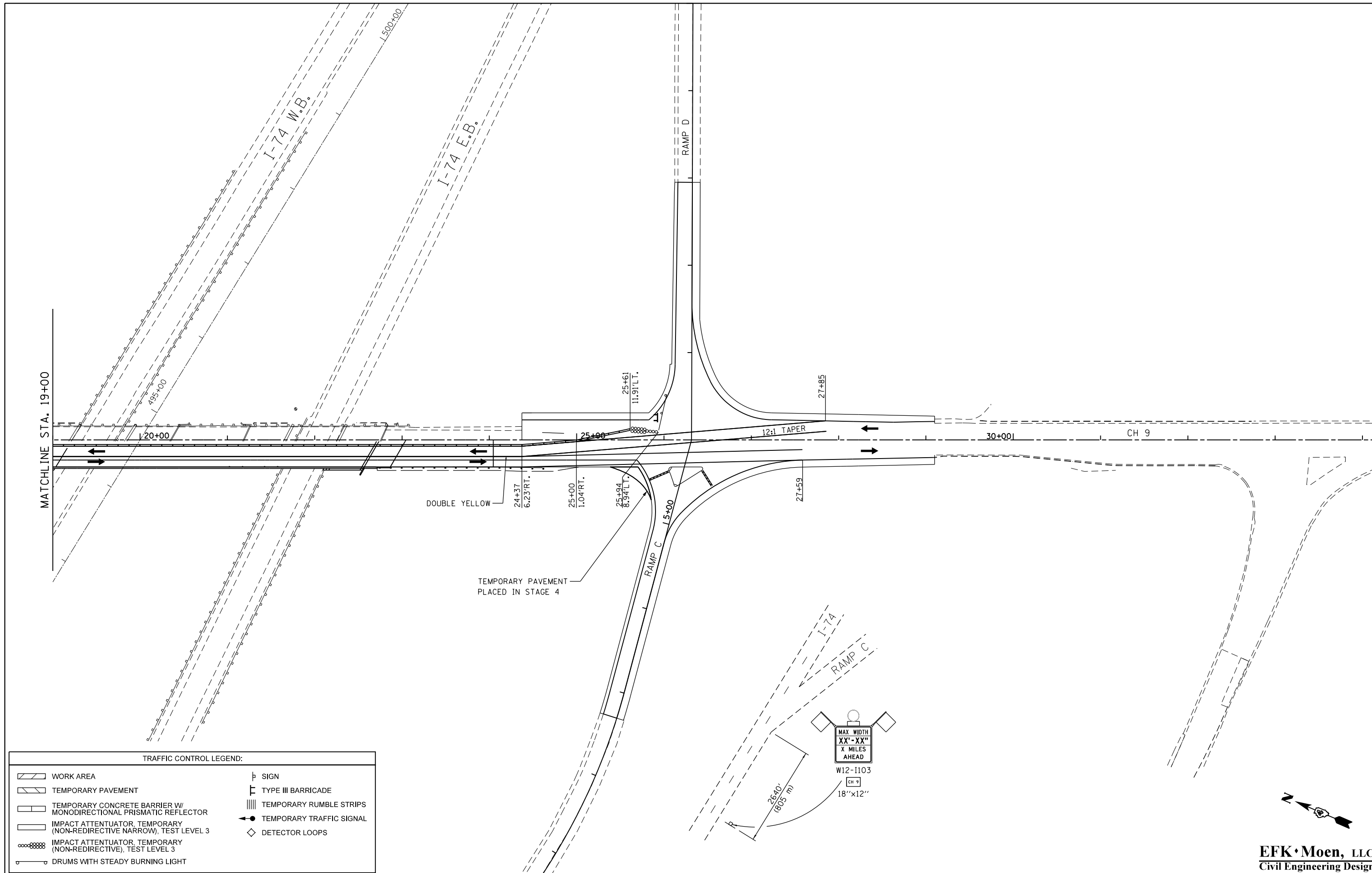
EFK Moen, LLC
 Civil Engineering Design

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

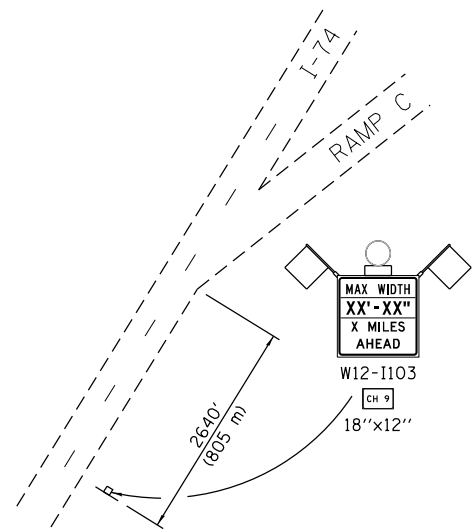
STAGING AND TRAFFIC CONTROL PLAN
 STAGE 6B
 SCALE: 50' = 1" SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	66
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				



TRAFFIC CONTROL LEGEND:

	WORK AREA		SIGN
	TEMPORARY PAVEMENT		TYPE III BARRICADE
	TEMPORARY CONCRETE BARRIER W/ MONODIRECTIONAL PRISMATIC REFLECTOR		TEMPORARY RUMBLE STRIPS
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE NARROW), TEST LEVEL 3		TEMPORARY TRAFFIC SIGNAL
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3		DETECTOR LOOPS
	DRUMS WITH STEADY BURNING LIGHT		



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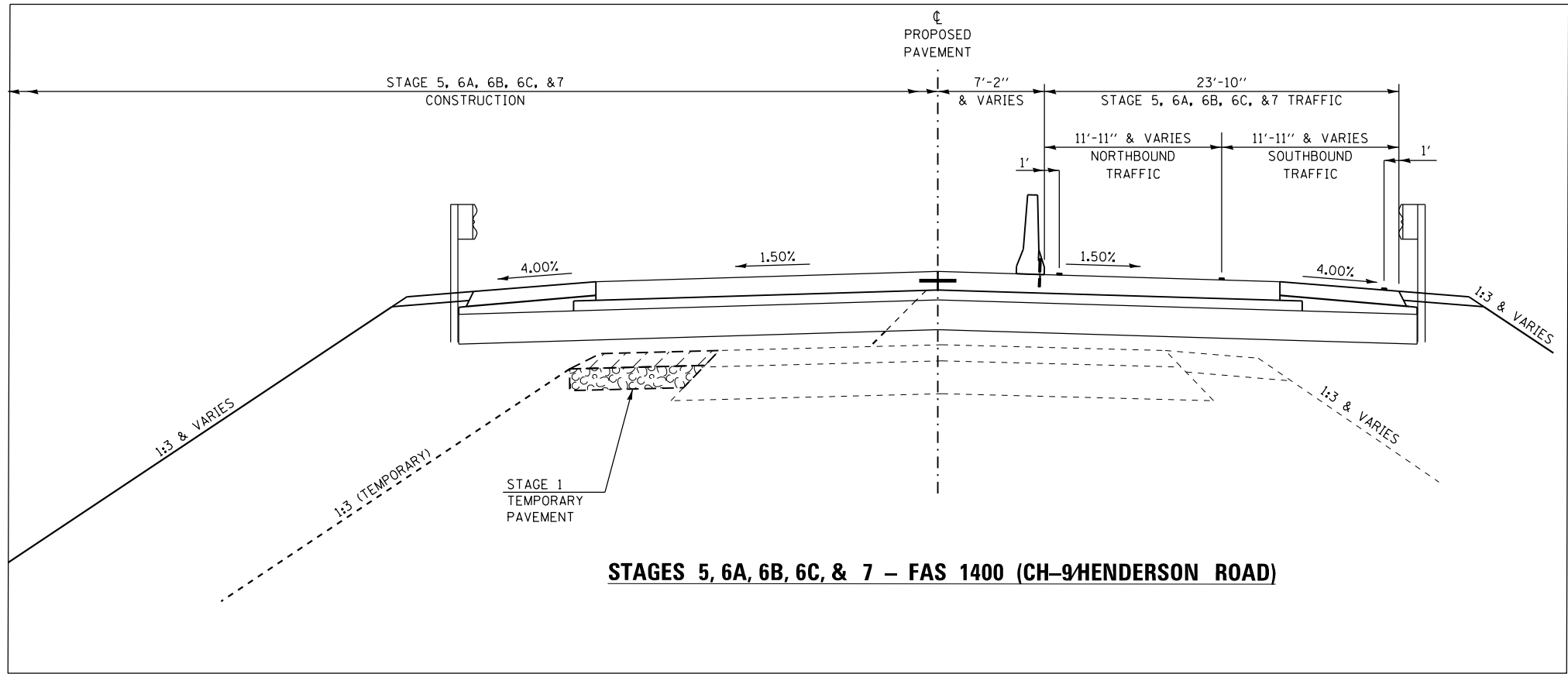
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING AND TRAFFIC CONTROL PLAN
STAGE 6B

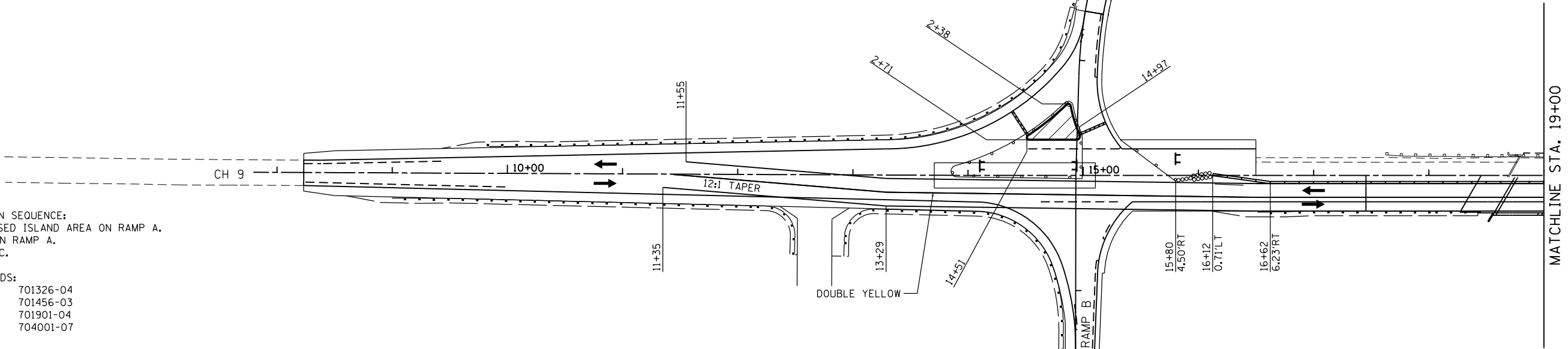
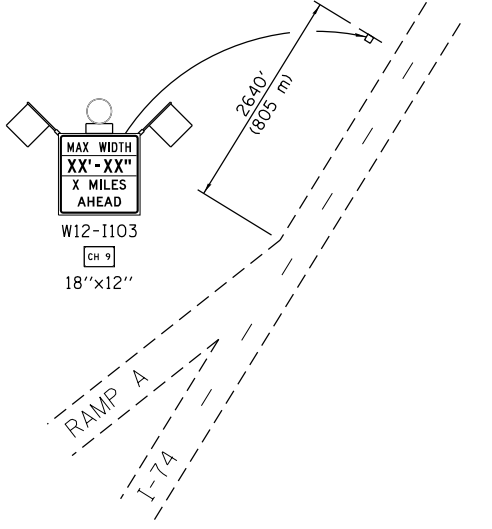
SCALE: 50' = 1" SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	67
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

EFK Moen, LLC
Civil Engineering Design



STAGES 5, 6A, 6B, 6C, & 7 – FAS 1400 (CH-9/HENDERSON ROAD)



- STAGE 6C SUGGESTED CONSTRUCTION SEQUENCE:
1. DIVERT TRAFFIC AROUND PROPOSED ISLAND AREA ON RAMP A.
 2. CONSTRUCT PROPOSED ISLAND ON RAMP A.
 3. FULLY OPEN RAMP A TO TRAFFIC.

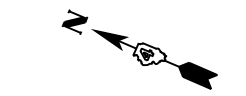
APPLICABLE IDOT HIGHWAY STANDARDS:

635011-02	701201-04	701326-04
701001-02	701206-03	701456-03
701006-05	701301-04	701901-04
701011-04	701306-03	704001-07

APPLICABLE DISTRICT STANDARDS:
701331-D4

TRAFFIC CONTROL LEGEND:	
	WORK AREA
	TEMPORARY PAVEMENT
	TEMPORARY CONCRETE BARRIER W/ MONODIRECTIONAL OR BIDIRECTIONAL PRISMATIC REFLECTOR
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE NARROW), TEST LEVEL 3
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
	DRUMS WITH STEADY BURNING LIGHT
	SIGN
	TYPE III BARRICADE
	TEMPORARY RUMBLE STRIPS
	TEMPORARY TRAFFIC SIGNAL
	DETECTOR LOOPS

- NOTES:
1. TEMPORARY CONCRETE BARRIER SHALL BE SECURED TO THE PAVEMENT ACCORDING TO SAFETY ENGINEERING POLICY MEMORANDUM 4-15 AND THE STANDARD SPECIFICATIONS.
 2. THE CONTRACTOR SHALL AVOID LEAVING DROP-OFFS GREATER THAN 2" DURING CONSTRUCTION INACTIVITY ON THIS PROJECT. ANY DROP-OFFS GREATER THAN 2" WILL NEED TO BE PROTECTED ACCORDING TO SAFETY ENGINEERING POLICY MEMORANDUM 4-15 OR AS DIRECTED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.
 3. SEE STRUCTURE PLANS FOR TEMPORARY SHEET PILING & BRIDGE STAGING DETAILS.
 4. TEMPORARY SHORING (PLACED IN STAGE 2) MAY BE REQUIRED TO REMAIN-IN-PLACE BETWEEN THE FOLLOWING APPROXIMATE ROADWAY STATIONS:
STA. 17+72 TO STA. 18+56.92
STA. 22+91.07 TO STA. 24+44



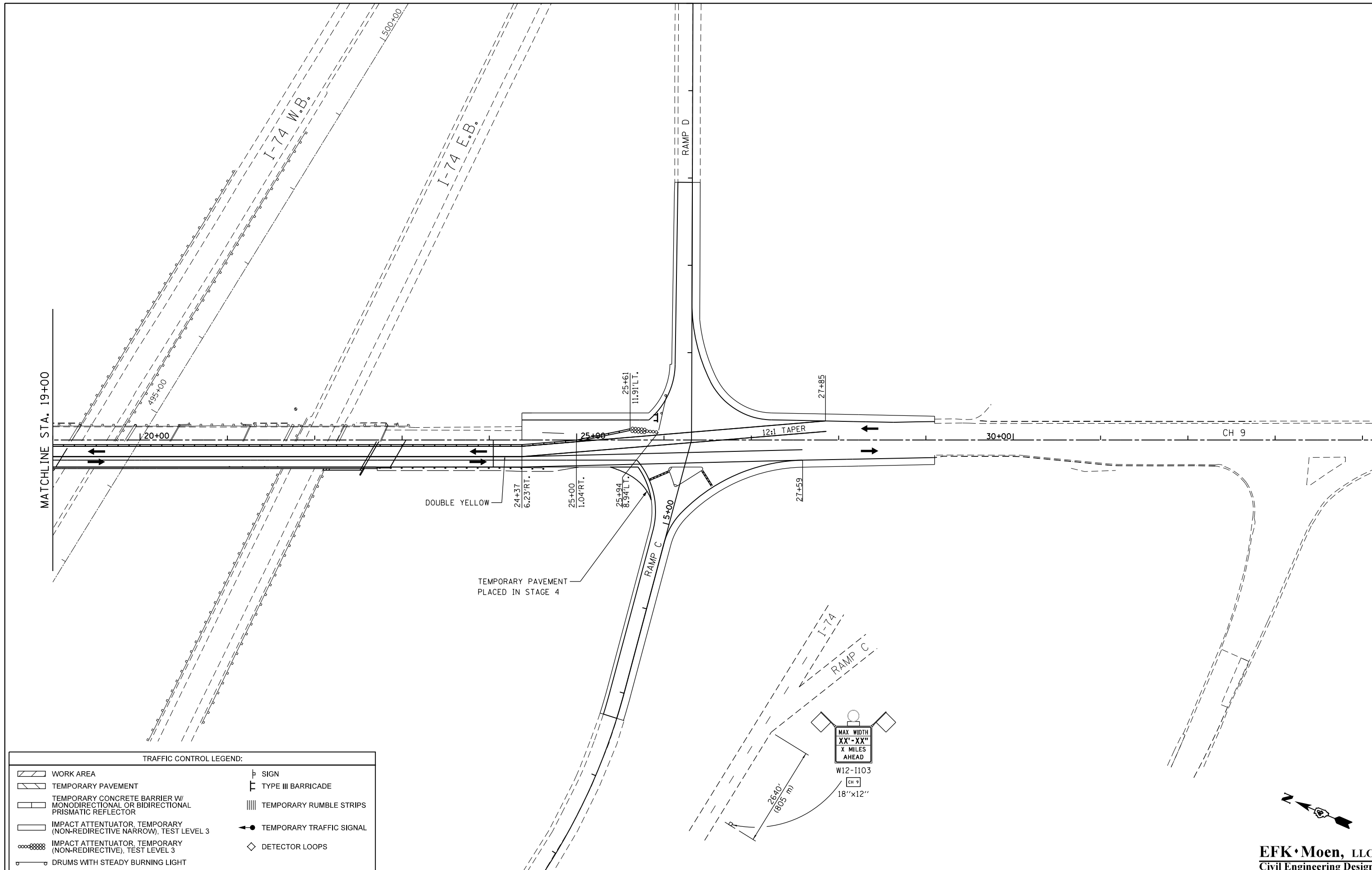
EFK Moen, LLC
Civil Engineering Design

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

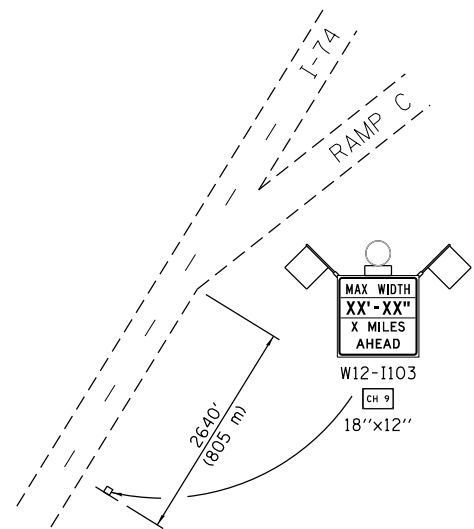
STAGING AND TRAFFIC CONTROL PLAN	
STAGE 6C	
SCALE: 50' = 1"	SHEET NO. 1 OF 2 SHEETS
STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	68
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				



TRAFFIC CONTROL LEGEND:

	WORK AREA		SIGN
	TEMPORARY PAVEMENT		TYPE III BARRICADE
	TEMPORARY CONCRETE BARRIER W/ MONODIRECTIONAL OR BIDIRECTIONAL PRISMATIC REFLECTOR		TEMPORARY RUMBLE STRIPS
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE NARROW), TEST LEVEL 3		TEMPORARY TRAFFIC SIGNAL
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3		DETECTOR LOOPS
	DRUMS WITH STEADY BURNING LIGHT		



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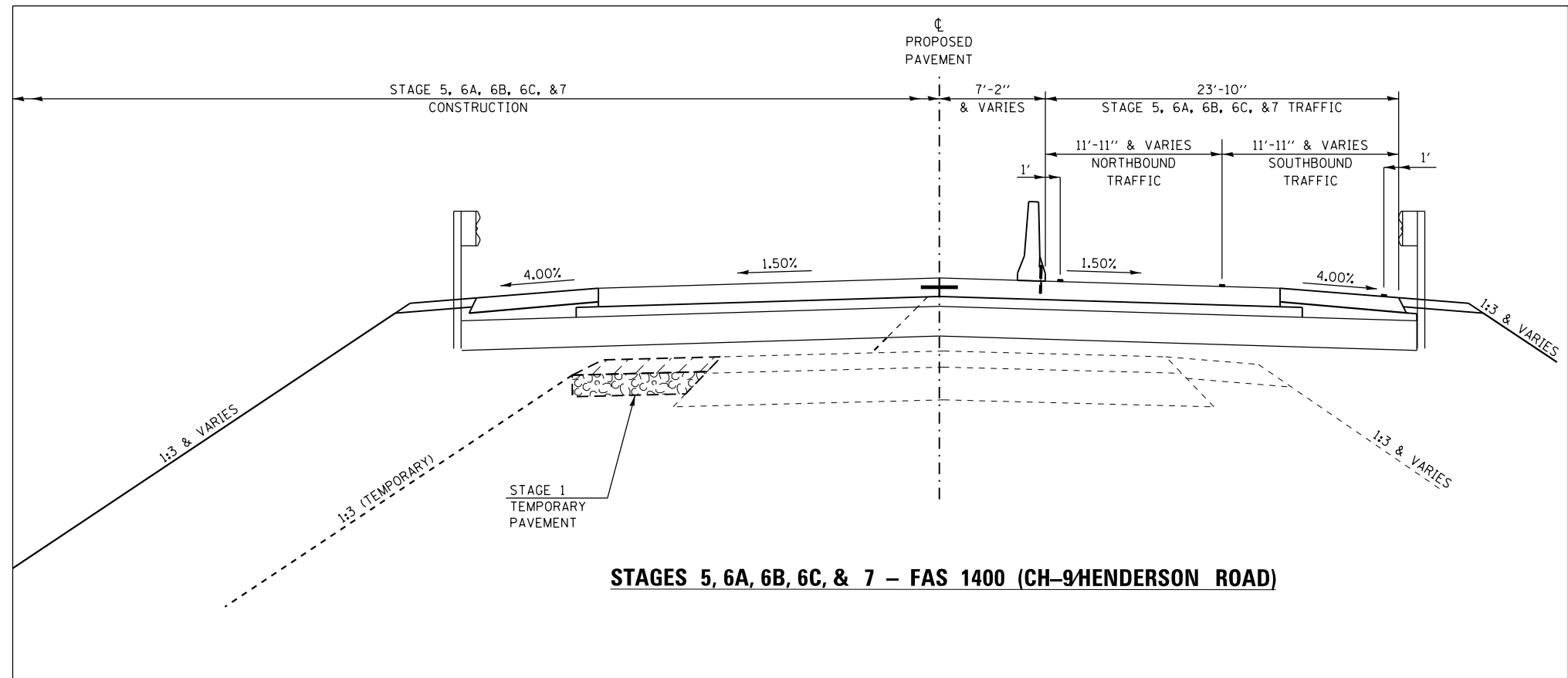
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGING AND TRAFFIC CONTROL PLAN
STAGE 6C**

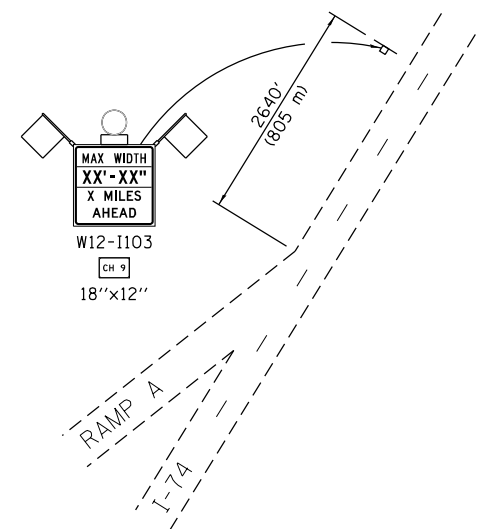
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F.A.I. RTE. 74	SECTION (48-27HB-3)BR	COUNTY KNOX	TOTAL SHEETS 220	SHEET NO. 69
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

EFK Moen, LLC
Civil Engineering Design



STAGES 5, 6A, 6B, 6C, & 7 – FAS 1400 (CH-9/HENDERSON ROAD)



- STAGE 7 SUGGESTED CONSTRUCTION SEQUENCE:**
1. MODIFY TRAFFIC CONTROL NEAR RAMPS A & B AS NECESSARY FOR STAGE 7 CONSTRUCTION.
 2. REMOVE THE EAST SIDE OF THE EXISTING BRIDGE UNDER LANE SHIFTS AND INTERMITTENT CLOSURES ON I-74 FOR BEAM REMOVAL (15 MINUTES MAXIMUM).
 3. CONSTRUCT THE EAST SIDE OF THE PROPOSED BRIDGE UNDER LANE SHIFTS AND INTERMITTENT CLOSURES ON I-74 FOR BEAM INSTALLATION (15 MINUTES MAXIMUM). (REFER TO BRIDGE STAGE 2 CONSTRUCTION INFORMATION LOCATED ON PROPOSED BRIDGE STRUCTURAL PLANS).
 4. CONSTRUCT PROPOSED IMPROVEMENTS, EXCEPT HOT-MIX ASPHALT SURFACE COURSE, AS INDICATED ON THE STAGE 7 CONSTRUCTION PLAN.
 5. OPEN CH-9 TO TRAFFIC & REMOVE TEMPORARY PAVEMENT TO THE NORTHWEST CORNER OF THE CH-9/RAMP C INTERSECTION.

APPLICABLE IDOT HIGHWAY STANDARDS:

635011-02	701206-03	701402-10
701001-02	701301-04	701411-09
701006-05	701306-03	701428
701011-04	701326-04	701446-06
701101-04	701400-08	701901-04
701106-02	701401-09	704001-07
701201-04		

APPLICABLE DISTRICT STANDARDS:
701331-D4

TRAFFIC CONTROL LEGEND:

	WORK AREA		SIGN
	TEMPORARY PAVEMENT		TYPE III BARRICADE
	TEMPORARY CONCRETE BARRIER W/ MONODIRECTIONAL OR BIDIRECTIONAL PRISMATIC REFLECTOR		TEMPORARY RUMBLE STRIPS
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE NARROW), TEST LEVEL 3		TEMPORARY TRAFFIC SIGNAL
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3		DETECTOR LOOPS
	DRUMS WITH STEADY BURNING LIGHT		

- NOTES:**
1. TEMPORARY CONCRETE BARRIER SHALL BE SECURED TO THE PAVEMENT ACCORDING TO SAFETY ENGINEERING POLICY MEMORANDUM 4-15 AND THE STANDARD SPECIFICATIONS.
 2. THE CONTRACTOR SHALL AVOID LEAVING DROP-OFFS GREATER THAN 2" DURING CONSTRUCTION INACTIVITY ON THIS PROJECT. ANY DROP-OFFS GREATER THAN 2" WILL NEED TO BE PROTECTED ACCORDING TO SAFETY ENGINEERING POLICY MEMORANDUM 4-15 OR AS DIRECTED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.
 3. SEE STRUCTURE PLANS FOR TEMPORARY SHEET PILING & BRIDGE STAGING DETAILS.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

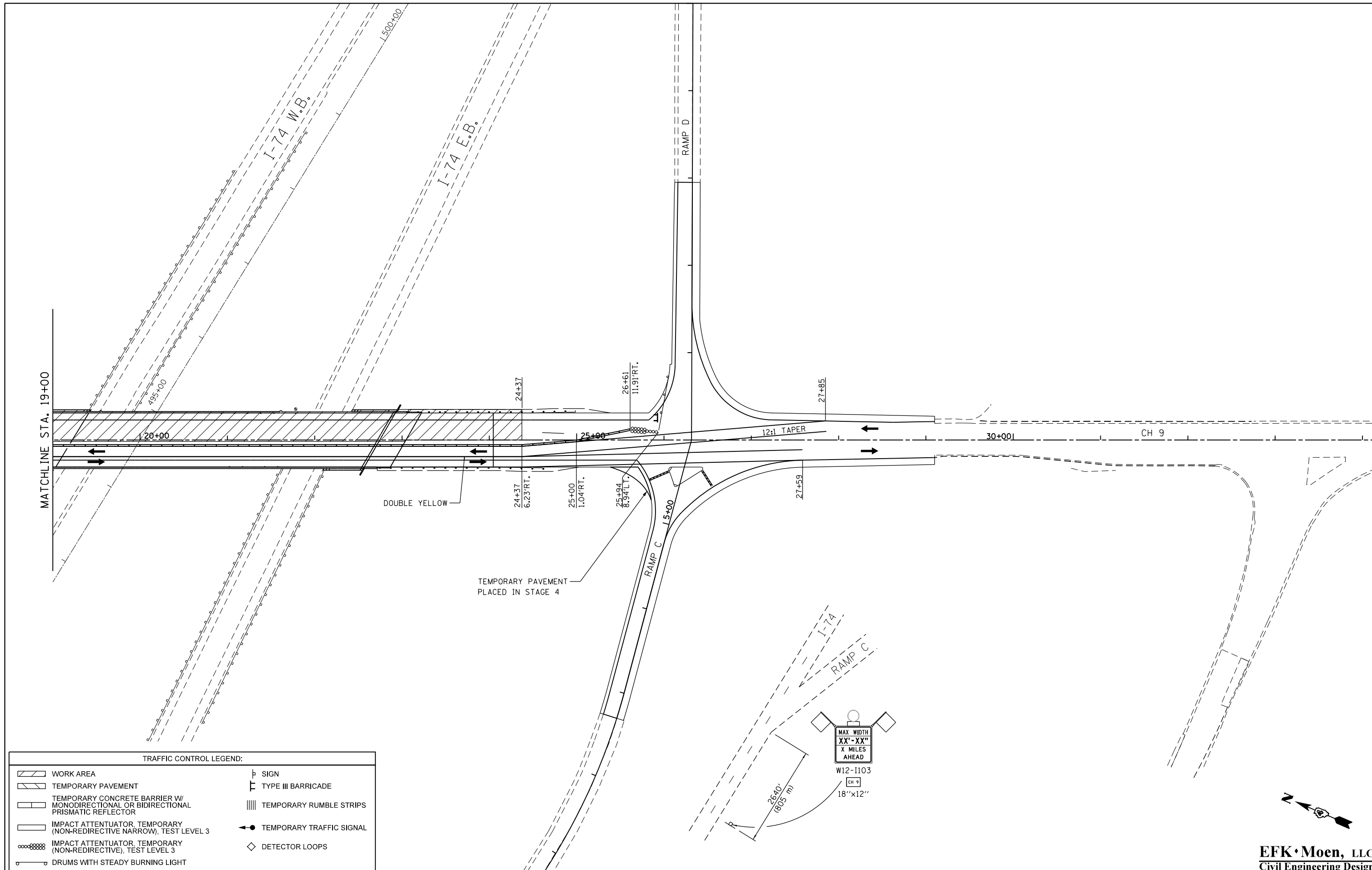
**STAGING AND TRAFFIC CONTROL PLAN
STAGE 7**

SCALE: 50' = 1" SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	70
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

EFK Moen, LLC
Civil Engineering Design

MATCHLINE STA. 19+00



TRAFFIC CONTROL LEGEND:

WORK AREA	SIGN
TEMPORARY PAVEMENT	TYPE III BARRICADE
TEMPORARY CONCRETE BARRIER W/ MONODIRECTIONAL OR BIDIRECTIONAL PRISMATIC REFLECTOR	TEMPORARY RUMBLE STRIPS
IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE NARROW), TEST LEVEL 3	TEMPORARY TRAFFIC SIGNAL
IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	DETECTOR LOOPS
DRUMS WITH STEADY BURNING LIGHT	

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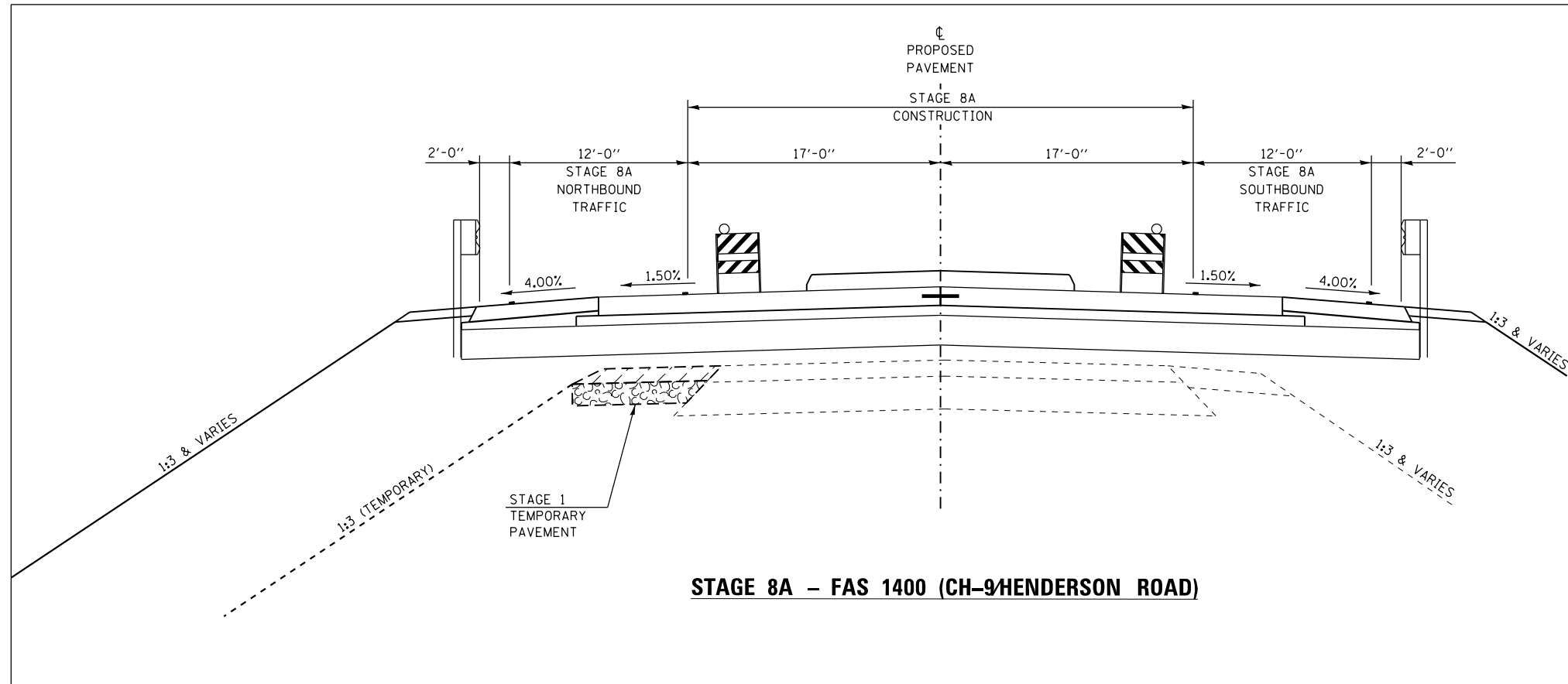
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGING AND TRAFFIC CONTROL PLAN
STAGE 7**

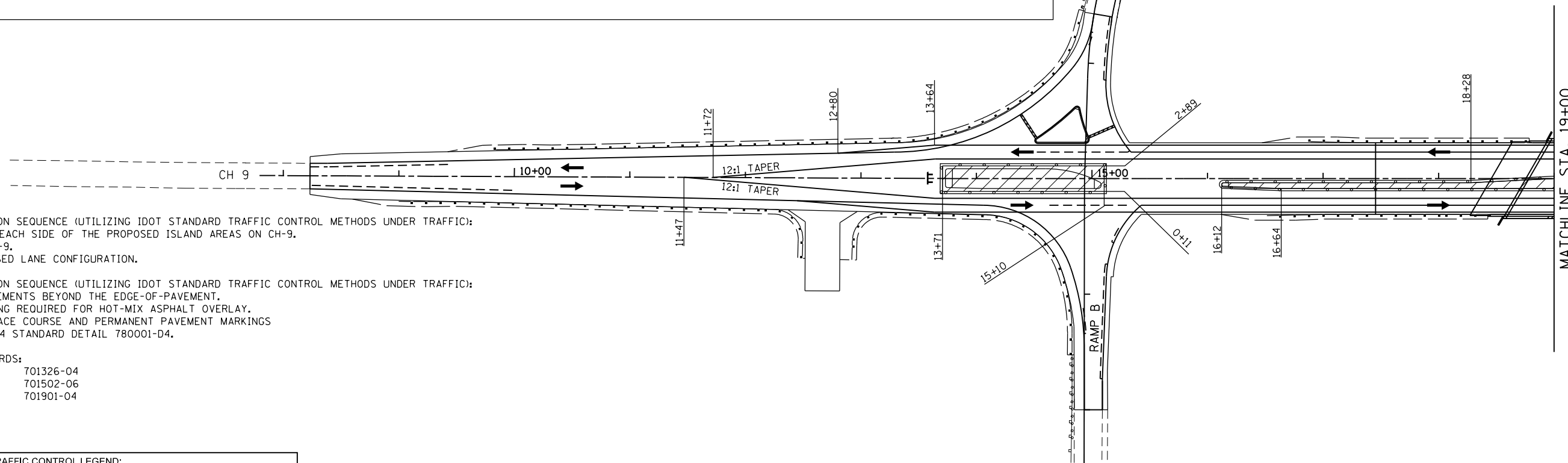
SCALE: 50' = 1" SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	71
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

EFK Moen, LLC
Civil Engineering Design



STAGE 8A - FAS 1400 (CH-9/HENDERSON ROAD)



STAGE 8A SUGGESTED CONSTRUCTION SEQUENCE (UTILIZING IDOT STANDARD TRAFFIC CONTROL METHODS UNDER TRAFFIC):

1. SHIFT TRAFFIC TO 1 LANE ON EACH SIDE OF THE PROPOSED ISLAND AREAS ON CH-9.
2. CONSTRUCT ISLANDS ALONG CH-9.
3. SHIFT TRAFFIC TO THE PROPOSED LANE CONFIGURATION.

STAGE 8B SUGGESTED CONSTRUCTION SEQUENCE (UTILIZING IDOT STANDARD TRAFFIC CONTROL METHODS UNDER TRAFFIC):

1. CONSTRUCT REMAINING IMPROVEMENTS BEYOND THE EDGE-OF-PAVEMENT.
2. CONDUCT ANY PAVEMENT MILLING REQUIRED FOR HOT-MIX ASPHALT OVERLAY.
3. APPLY HOT-MIX ASPHALT SURFACE COURSE AND PERMANENT PAVEMENT MARKINGS ACCORDING TO IDOT DISTRICT 4 STANDARD DETAIL 780001-D4.

APPLICABLE IDOT HIGHWAY STANDARDS:

701001-02	701206-03	701326-04
701006-05	701301-04	701502-06
701011-04	701306-03	701901-04
701201-04		

APPLICABLE DISTRICT STANDARDS:

701331-D4

TRAFFIC CONTROL LEGEND:	
	WORK AREA
	TEMPORARY PAVEMENT
	TEMPORARY CONCRETE BARRIER W/ MONODIRECTIONAL OR BIDIRECTIONAL PRISMATIC REFLECTOR
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE NARROW), TEST LEVEL 3
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
	DRUMS WITH STEADY BURNING LIGHT
	SIGN
	TYPE III BARRICADE
	TEMPORARY RUMBLE STRIPS
	TEMPORARY TRAFFIC SIGNAL
	DETECTOR LOOPS

NOTES:

1. THE CONTRACTOR SHALL AVOID LEAVING DROP-OFFS GREATER THAN 2" DURING CONSTRUCTION INACTIVITY ON THIS PROJECT. ANY DROP-OFFS GREATER THAN 2" WILL NEED TO BE PROTECTED ACCORDING TO SAFETY ENGINEERING POLICY MEMORANDUM 4-15 OR AS DIRECTED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.
2. SEE STRUCTURE PLANS FOR BRIDGE STAGING DETAILS.



EFK Moen, LLC
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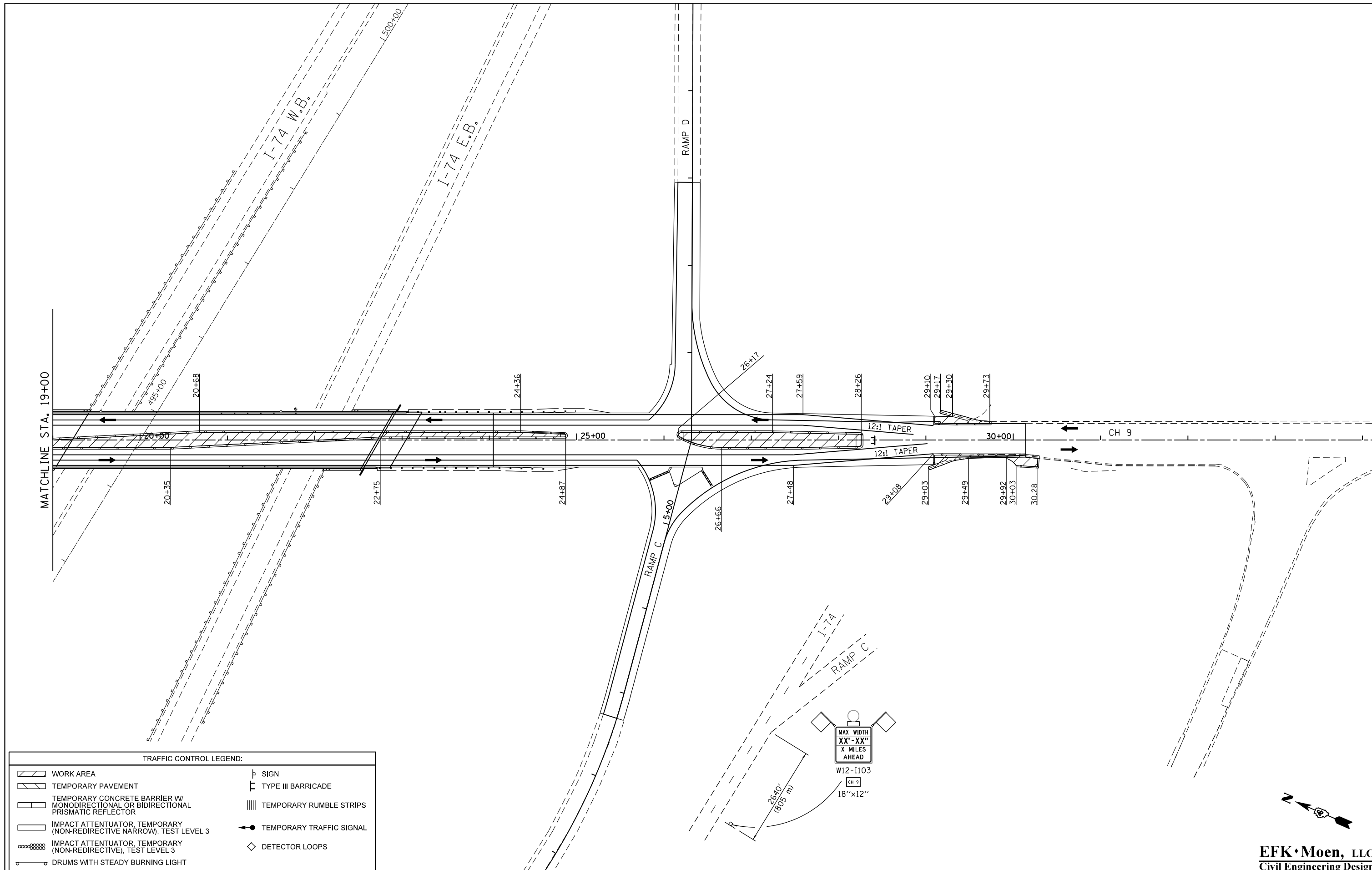
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		DATE - 7/31/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING AND TRAFFIC CONTROL PLAN
STAGE 8

SCALE: 50' = 1" SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	72
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				



TRAFFIC CONTROL LEGEND:

	WORK AREA		SIGN
	TEMPORARY PAVEMENT		TYPE III BARRICADE
	TEMPORARY CONCRETE BARRIER W/ MONODIRECTIONAL OR BIDIRECTIONAL PRISMATIC REFLECTOR		TEMPORARY RUMBLE STRIPS
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE NARROW), TEST LEVEL 3		TEMPORARY TRAFFIC SIGNAL
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3		DETECTOR LOOPS
	DRUMS WITH STEADY BURNING LIGHT		

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		DATE - 7/31/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGING AND TRAFFIC CONTROL PLAN
STAGE 8**




SCALE: 50' = 1" SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	73
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

EFK Moen, LLC
Civil Engineering Design

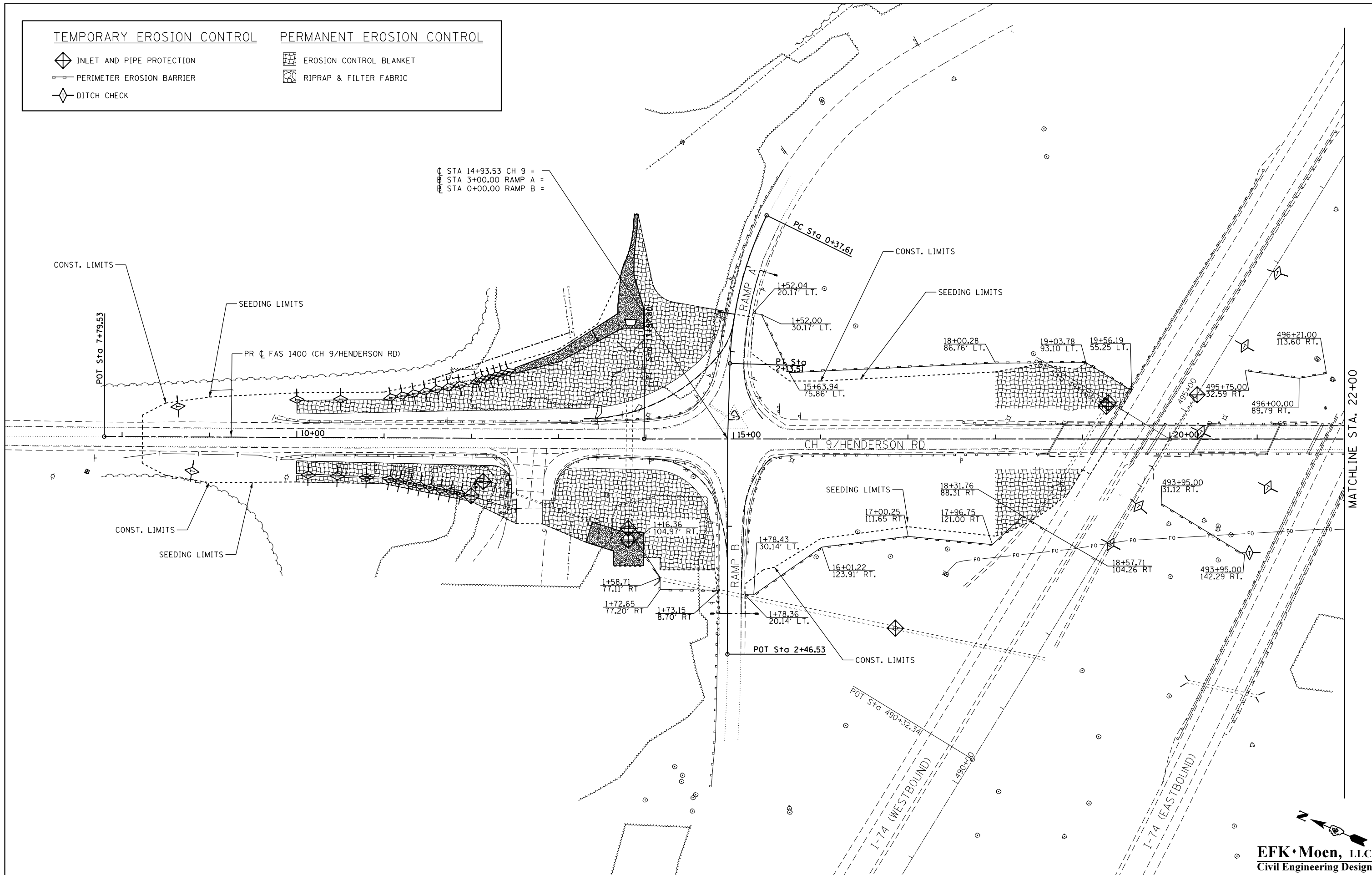
TEMPORARY EROSION CONTROL

PERMANENT EROSION CONTROL

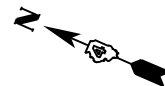
-  INLET AND PIPE PROTECTION
-  PERIMETER EROSION BARRIER
-  DITCH CHECK

-  EROSION CONTROL BLANKET
-  RIPRAP & FILTER FABRIC

C STA 14+93.53 CH 9 =
 B STA 3+00.00 RAMP A =
 B STA 0+00.00 RAMP B =



MATCHLINE STA. 22+00



EFK Moen, LLC
Civil Engineering Design

FILE NAME = Y:\13070 IDOT I-74 CH-9\Design\Final	USER NAME = jd	DESIGNED - JRD	REVISED -
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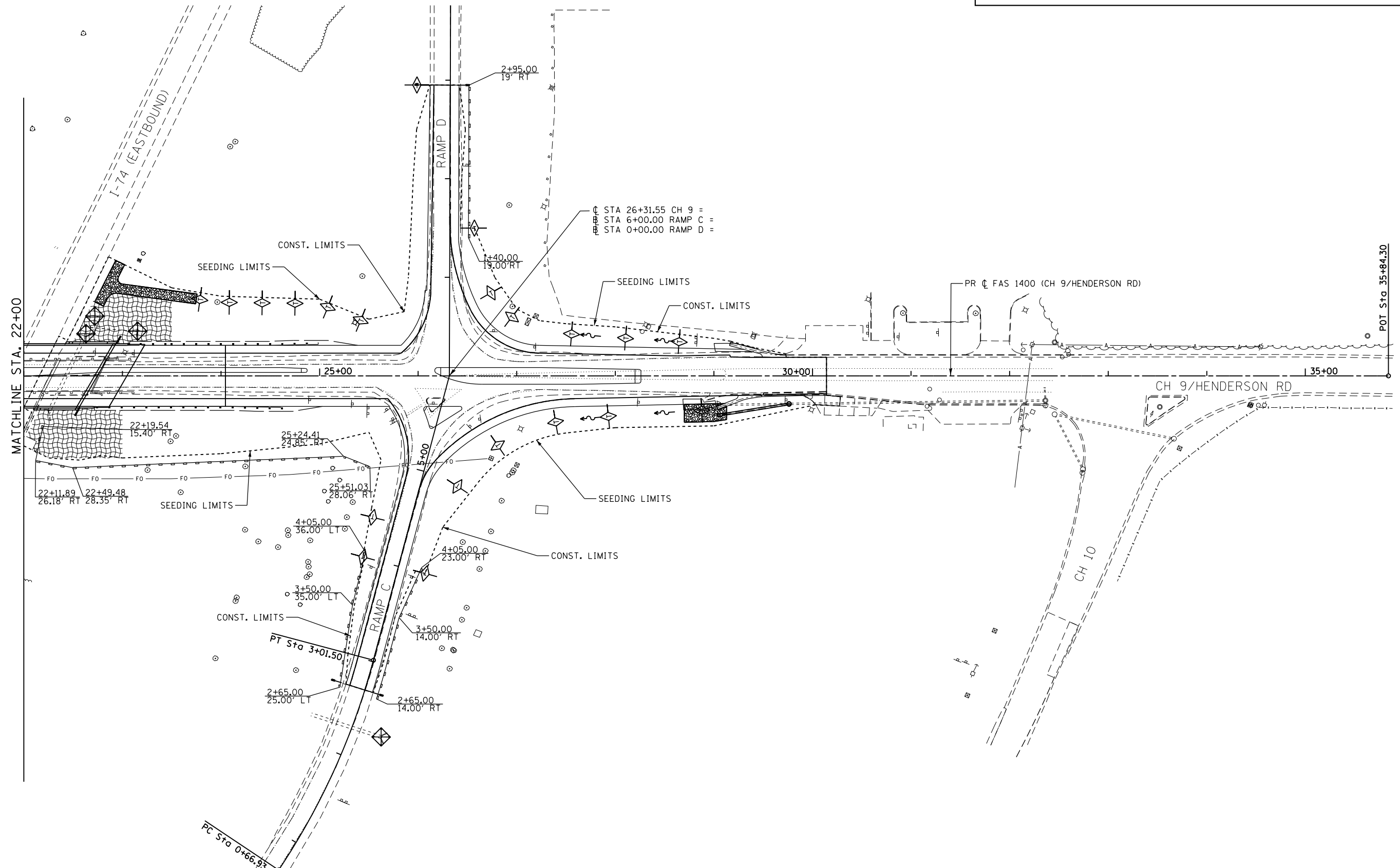
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL

SCALE: 1" = 50' SHEET NO. 1 OF 2 SHEETS STA. 7+79.53 TO STA. 22+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	74
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

TEMPORARY EROSION CONTROL		PERMANENT EROSION CONTROL	
	INLET AND PIPE PROTECTION		EROSION CONTROL BLANKET
	PERIMETER EROSION BARRIER		RIPRAP & FILTER FABRIC
	DITCH CHECK		



EFK Moen, LLC
Civil Engineering Design

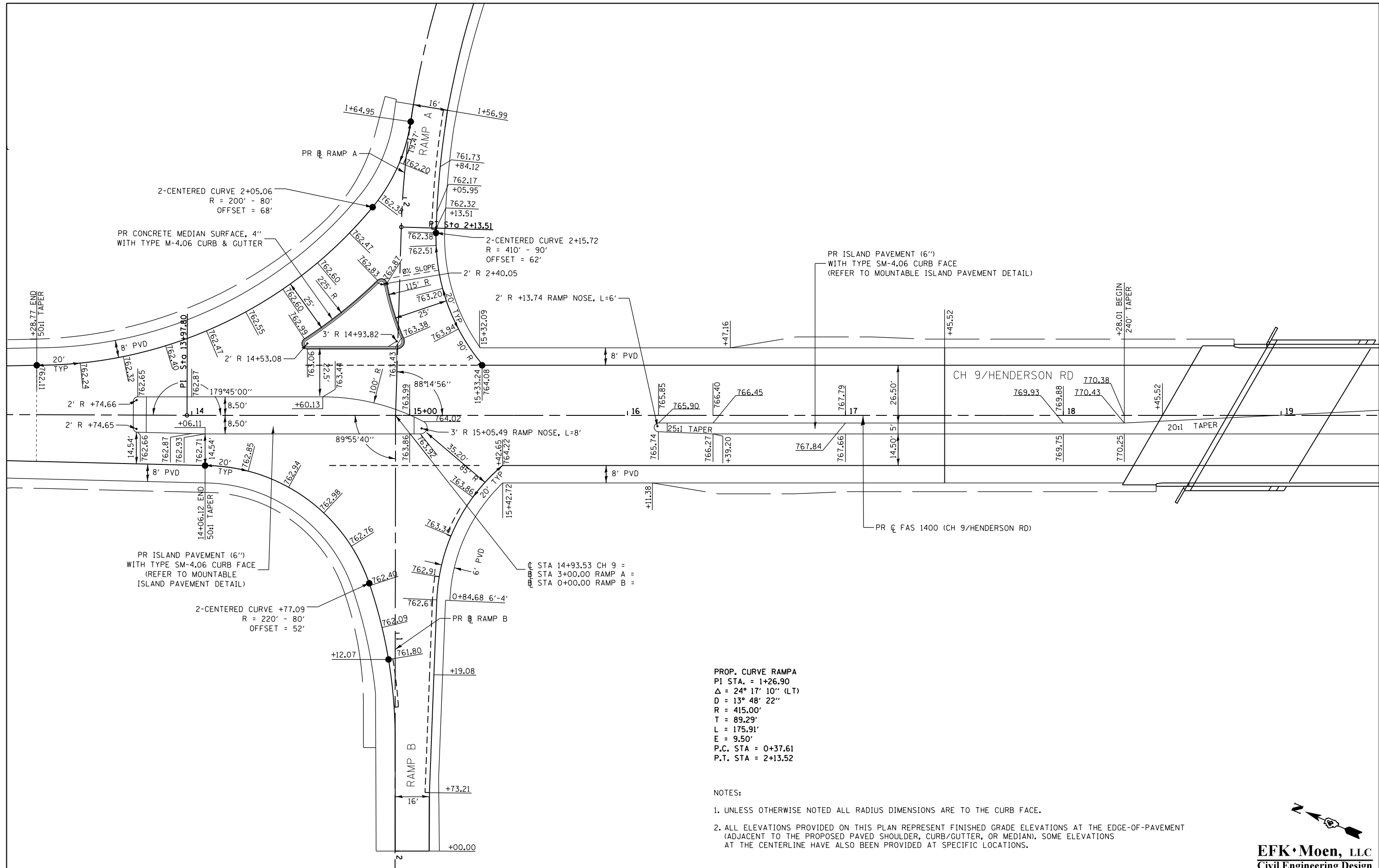
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PLOT DATE = 8/14/2015	DATE - 7/31/2015		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL

SCALE: 1" = 50' SHEET NO. 2 OF 2 SHEETS STA. 22+00.00 TO STA. 35+84.41

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	75
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				



PROP. CURVE RAMP A
 PI STA. = 1+26.90
 $\Delta = 24^\circ 17' 10''$ (LT)
 $D = 13^\circ 48' 22''$
 $R = 415.00'$
 $T = 89.29'$
 $L = 175.91'$
 $E = 9.50'$
 P.C. STA = 0+37.61
 P.T. STA = 2+13.52

- NOTES:
1. UNLESS OTHERWISE NOTED ALL RADIUS DIMENSIONS ARE TO THE CURB FACE.
 2. ALL ELEVATIONS PROVIDED ON THIS PLAN REPRESENT FINISHED GRADE ELEVATIONS AT THE EDGE-OF-PAVEMENT (ADJACENT TO THE PROPOSED PAVED SHOULDER, CURB/GUTTER, OR MEDIAN). SOME ELEVATIONS AT THE CENTERLINE HAVE ALSO BEEN PROVIDED AT SPECIFIC LOCATIONS.



EFK·Moen, LLC
 Civil Engineering Design

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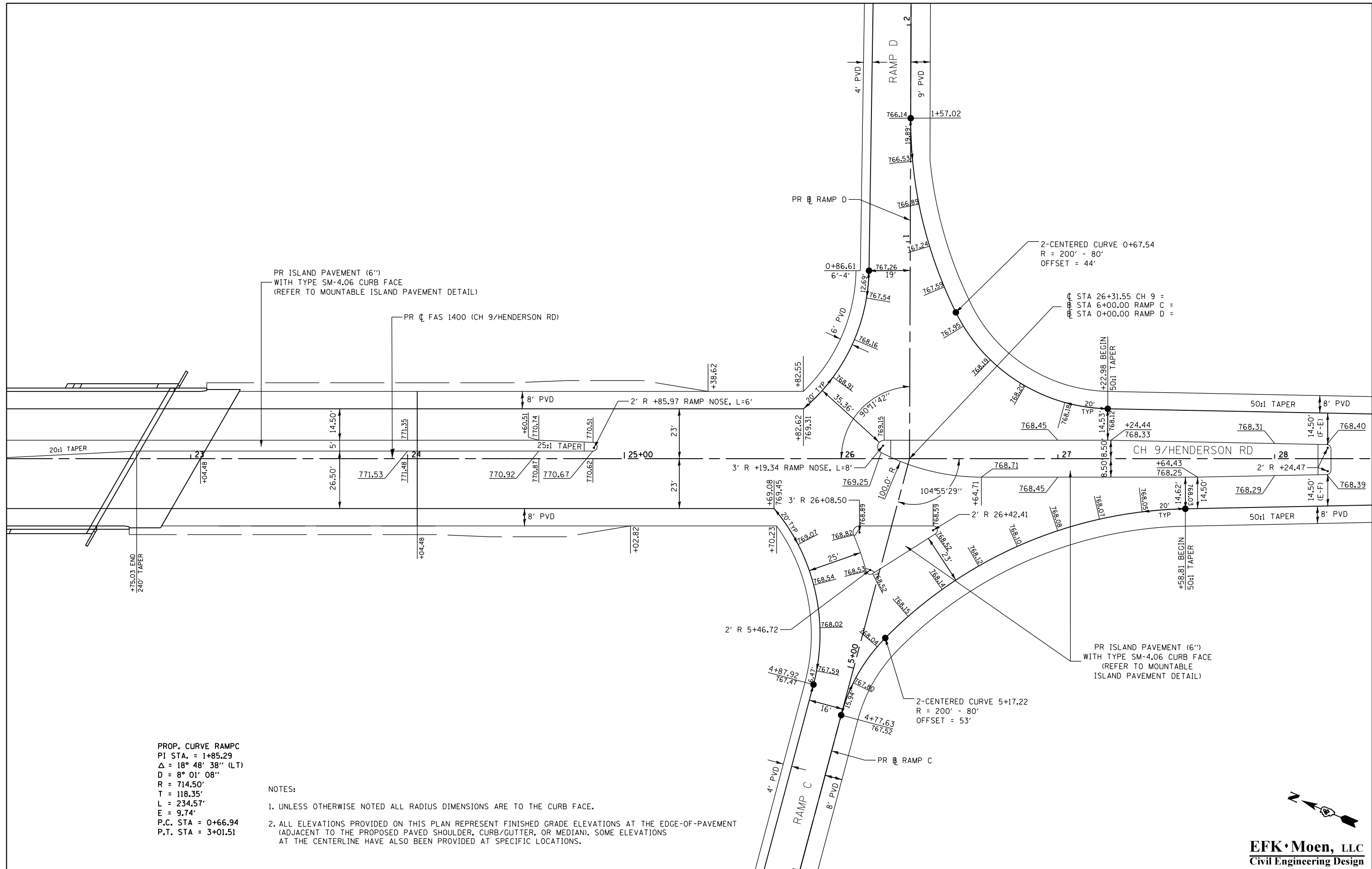
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL SHEET

SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	76
CONTRACT NO. 88502				

ILLINOIS FED. AID PROJECT



PROP. CURVE RAMP C
 PI STA. = 1+85.29
 $\Delta = 18^\circ 48' 38''$ (LT)
 D = 8° 01' 08"
 R = 714.50'
 T = 118.35'
 L = 234.57'
 E = 9.74'
 P.C. STA = 0+66.94
 P.T. STA = 3+01.51

- NOTES:
- UNLESS OTHERWISE NOTED ALL RADIUS DIMENSIONS ARE TO THE CURB FACE.
 - ALL ELEVATIONS PROVIDED ON THIS PLAN REPRESENT FINISHED GRADE ELEVATIONS AT THE EDGE-OF-PAVEMENT (ADJACENT TO THE PROPOSED PAVED SHOULDER, CURB/GUTTER, OR MEDIAN). SOME ELEVATIONS AT THE CENTERLINE HAVE ALSO BEEN PROVIDED AT SPECIFIC LOCATIONS.



EFK Moen, LLC
 Civil Engineering Design

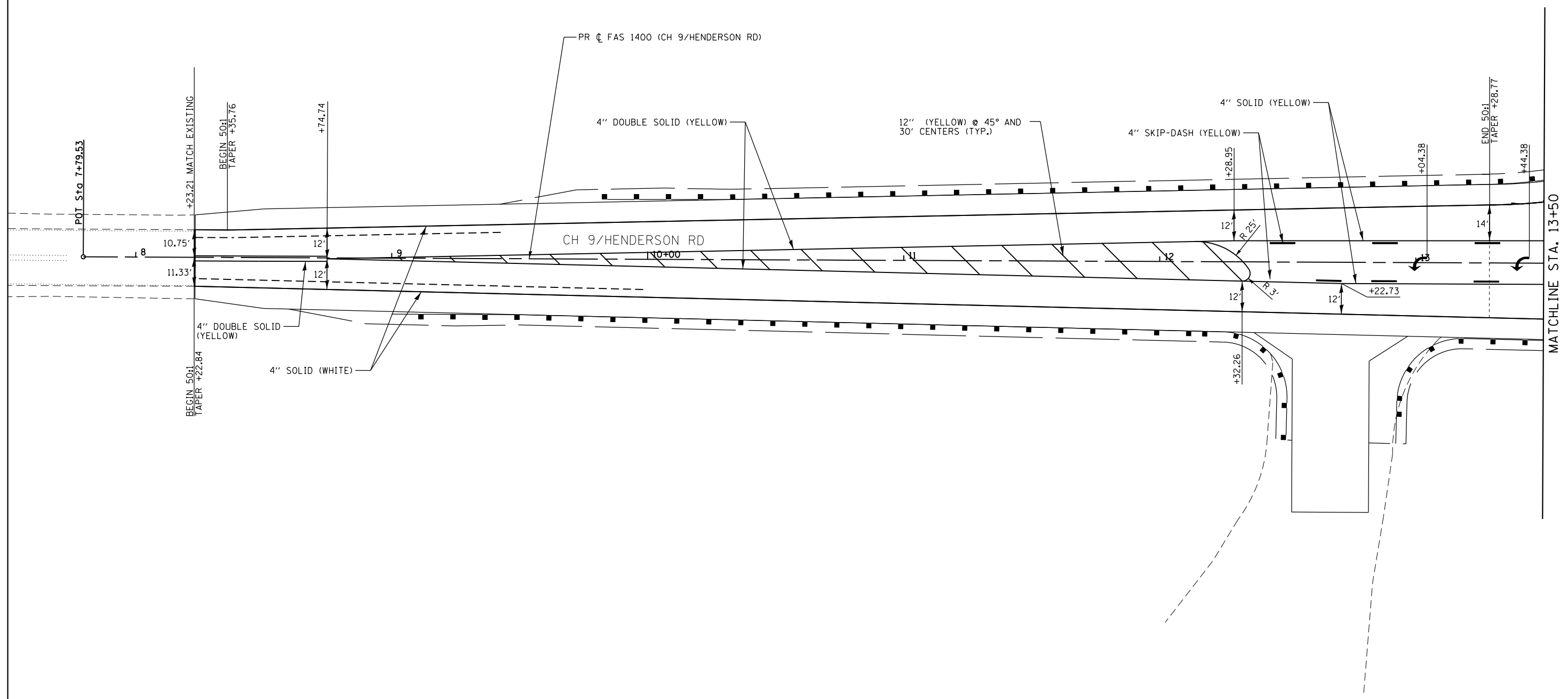
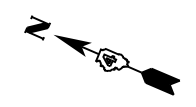
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MODELNAME	PLOT DATE = 8/14/2015	DATE - 7/31/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL SHEET

SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	77
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				



MATCHLINE STA. 13+50

EFK Moen, LLC
Civil Engineering Design

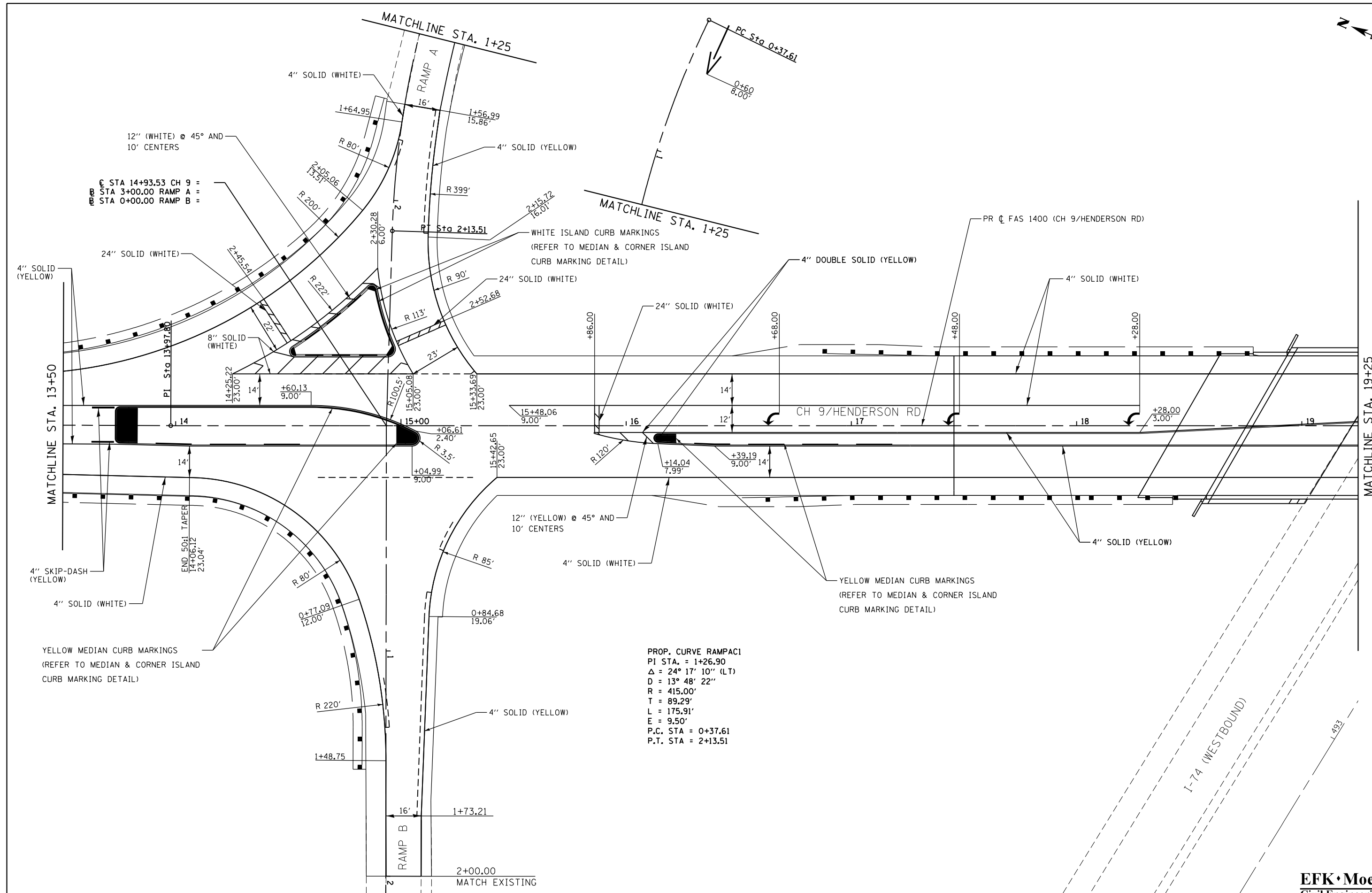
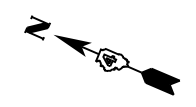
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	PLOT DATE = 8/14/2015	DATE - 7/31/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING

SCALE: 1" = 20' SHEET NO. 1 OF 5 SHEETS STA. 7+79.53 TO STA. 13+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	78
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				



PROP. CURVE RAMPAC1
 PI STA. = 1+26.90
 Δ = 24° 17' 10'' (LT)
 D = 13° 48' 22''
 R = 415.00'
 T = 89.29'
 L = 175.91'
 E = 9.50'
 P.C. STA = 0+37.61
 P.T. STA = 2+13.51

EFK Moen, LLC
 Civil Engineering Design

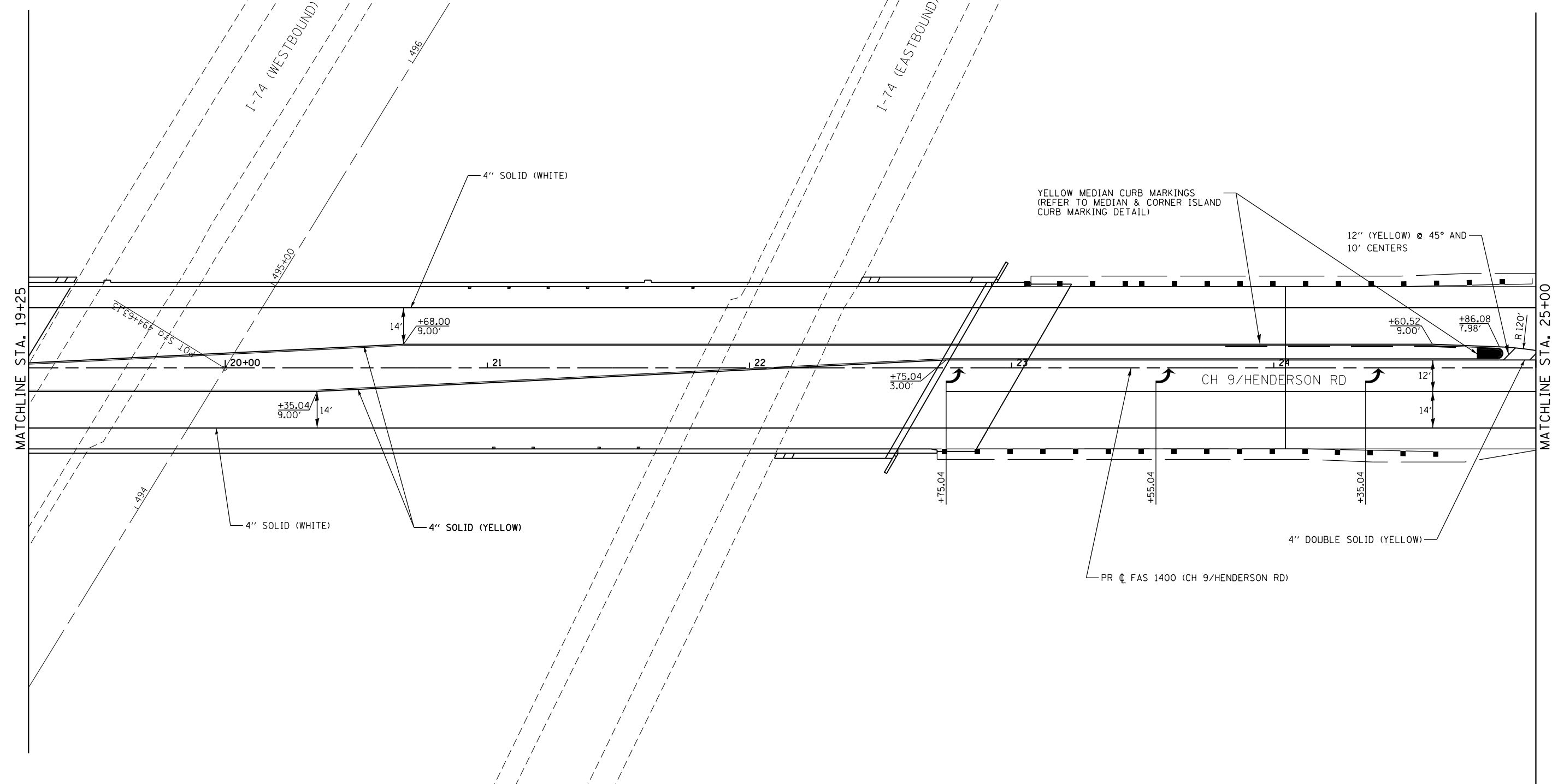
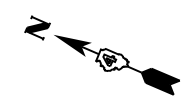
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PLOT DATE = 8/14/2015	DATE - 7/31/2015		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING

SCALE: 1" = 20' SHEET NO. 2 OF 5 SHEETS STA. 13+50.00 TO STA. 19+25.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	79
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				



EFK Moen, LLC
Civil Engineering Design

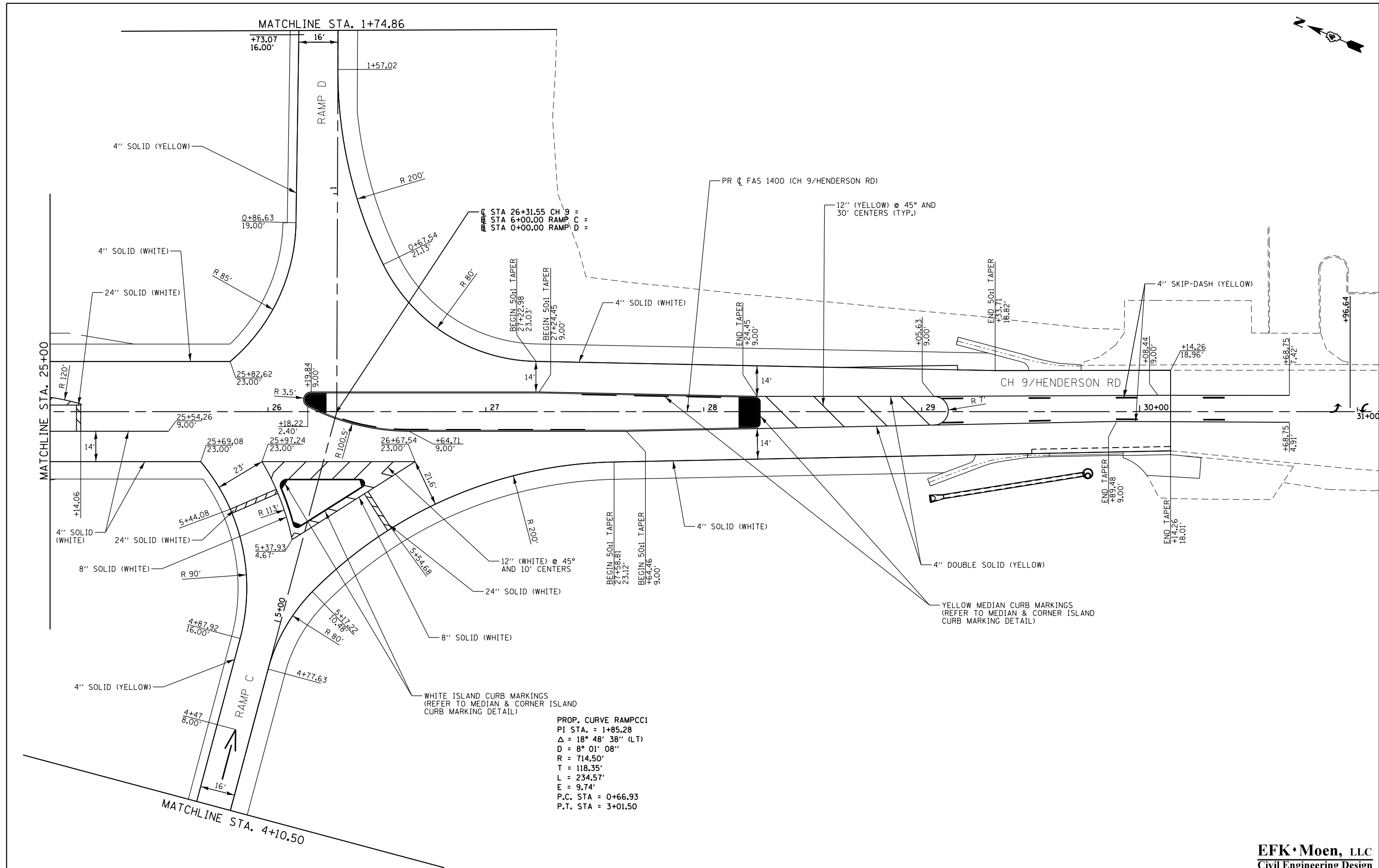
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PLOT DATE = 8/14/2015		DATE - 7/31/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING

SCALE: 1" = 20' SHEET NO. 3 OF 5 SHEETS STA. 19+25.00 TO STA. 25+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	80
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				



RAMP
 STA 26+31.55 CH 9
 STA 6+00.00 RAMP
 STA 0+00.00 RAMP

PROP. CURVE RAMPCC1
 PI STA. = 1+85.28
 $\Delta = 18^\circ 48' 38''$ (LT)
 D = 8° 01' 08"
 R = 714.50'
 T = 118.35'
 L = 234.57'
 E = 9.74'
 P.C. STA = 0+66.93
 P.T. STA = 3+01.50

EFK Moen, LLC
 Civil Engineering Design

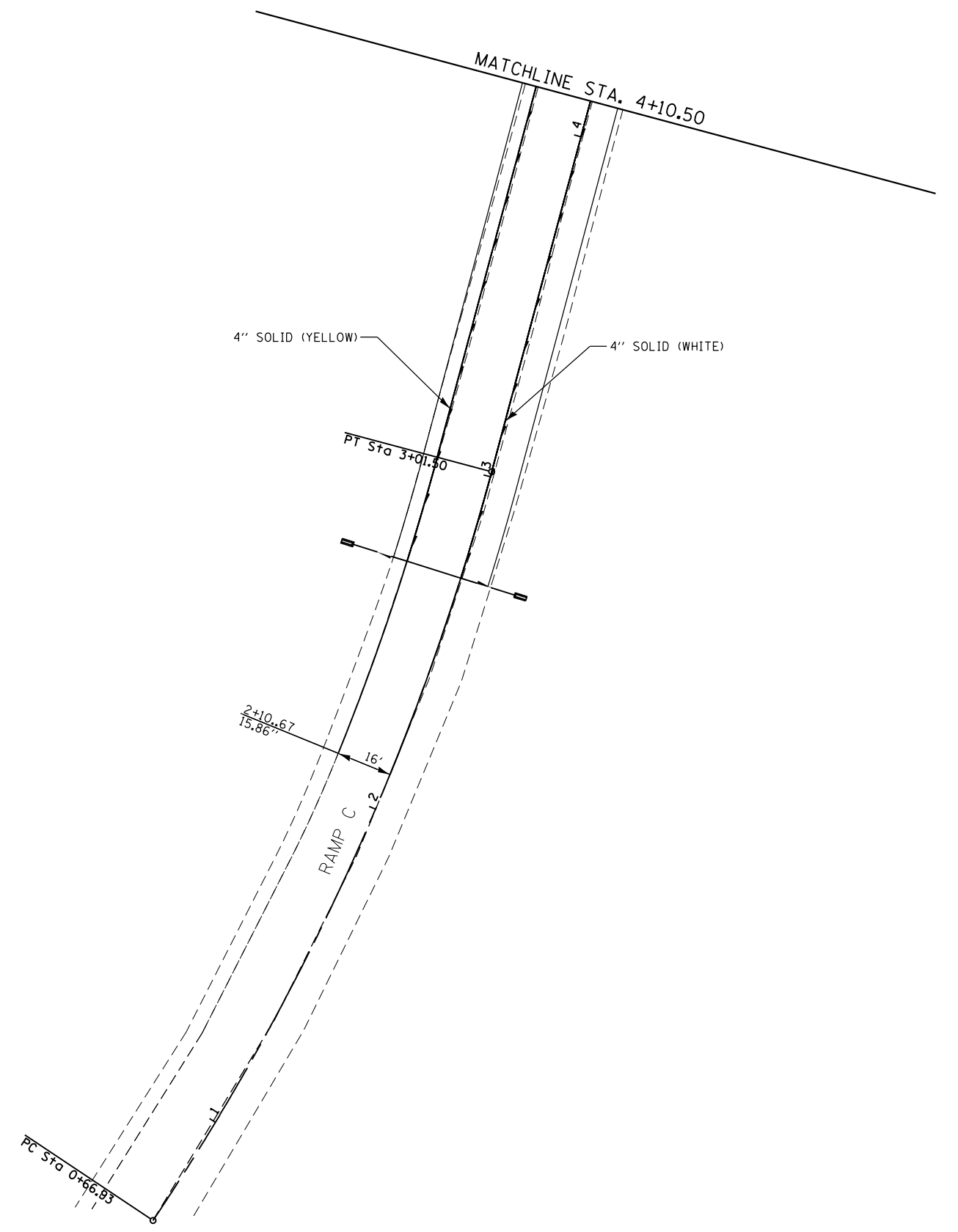
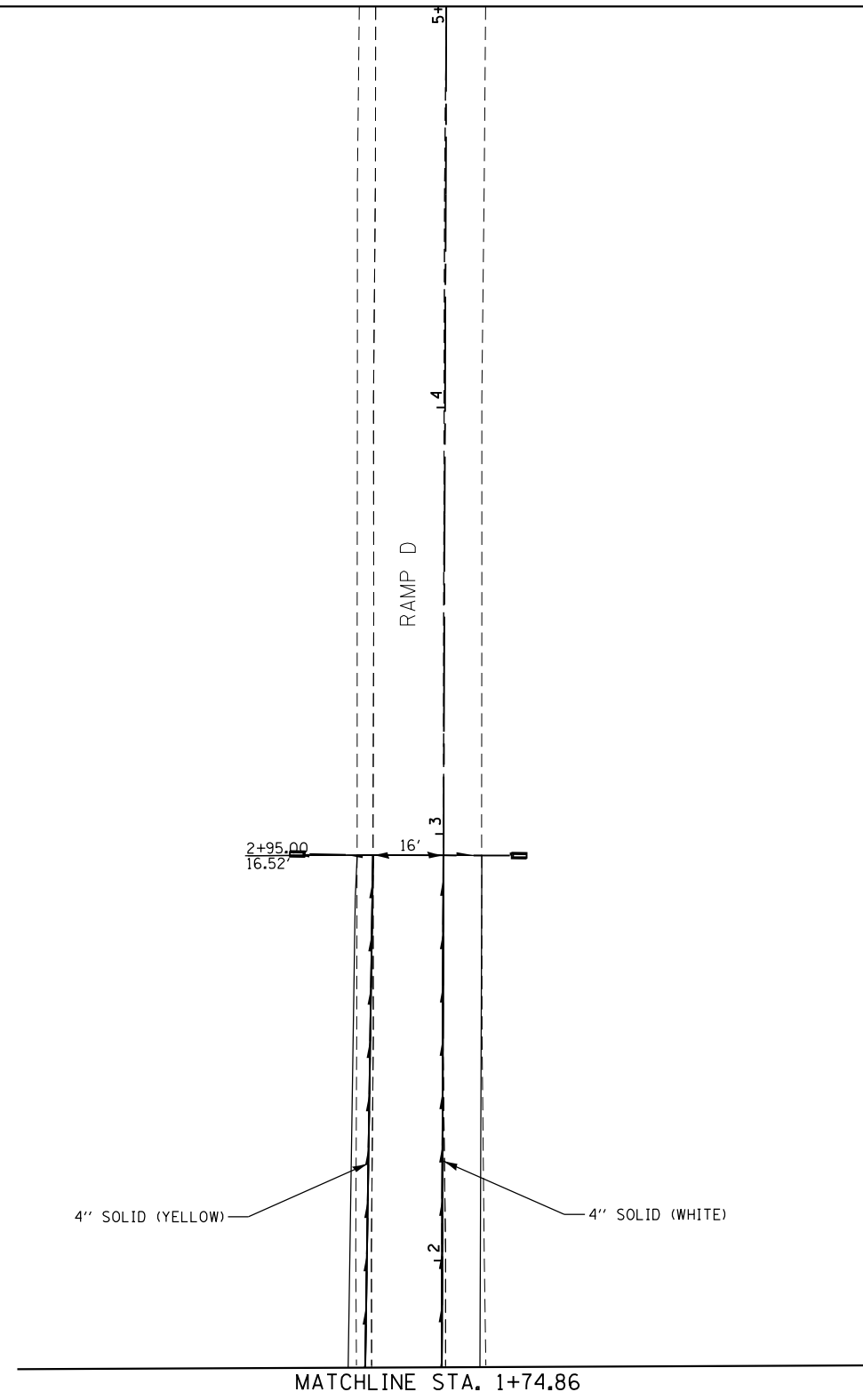
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PLOT DATE = 8/14/2015	DATE - 7/31/2015		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING

SCALE: 1" = 20' SHEET NO. 4 OF 5 SHEETS STA. 25+00.00 TO STA. 30+14.20

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	81
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

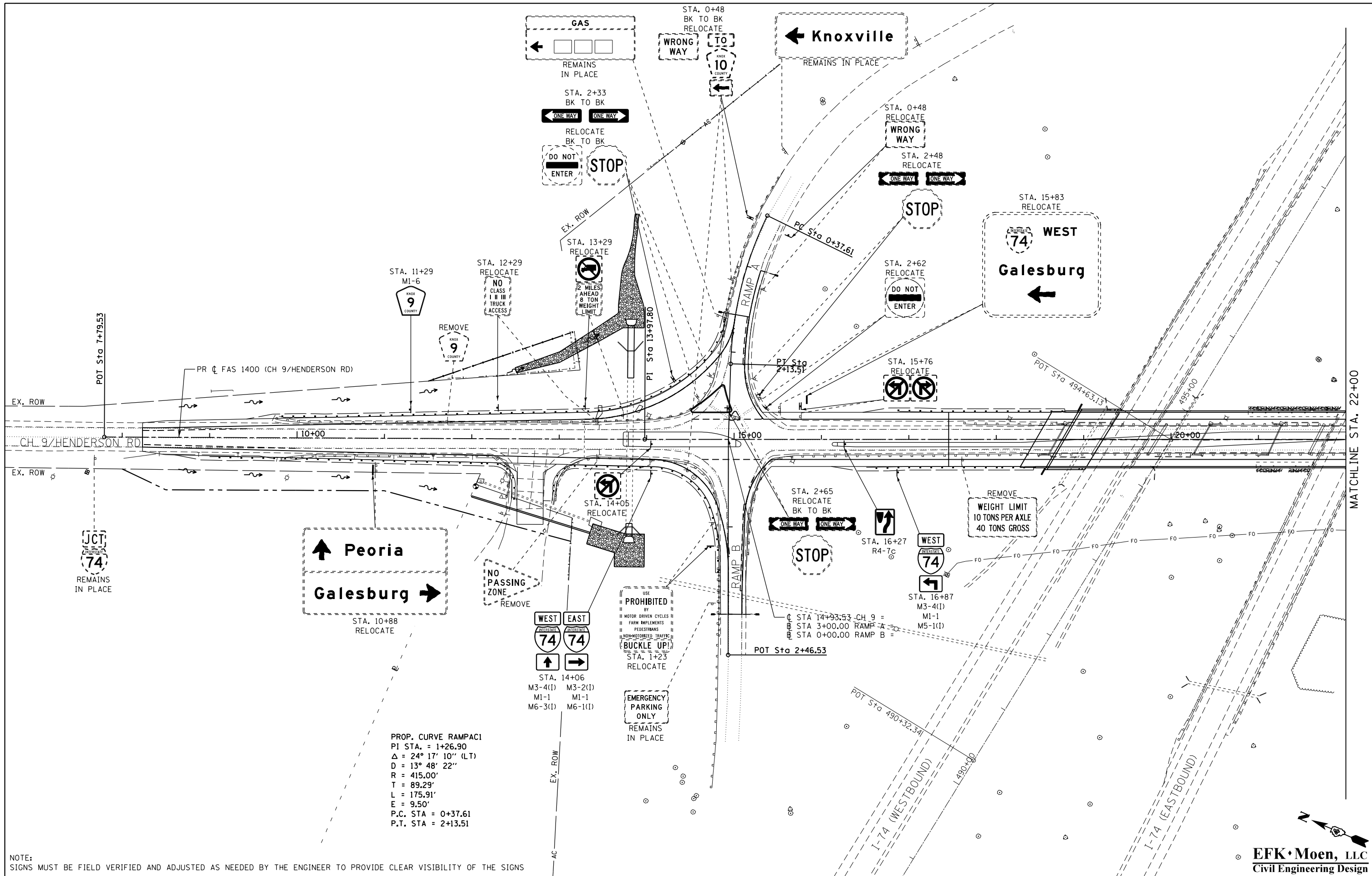
PAVEMENT MARKING

SCALE: 1" = 20' SHEET NO. 5 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	82
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

EFK Moen, LLC
Civil Engineering Design

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	PLOT DATE = 8/14/2015	DATE - 7/31/2015	REVISED -



NOTE:
SIGNS MUST BE FIELD VERIFIED AND ADJUSTED AS NEEDED BY THE ENGINEER TO PROVIDE CLEAR VISIBILITY OF THE SIGNS

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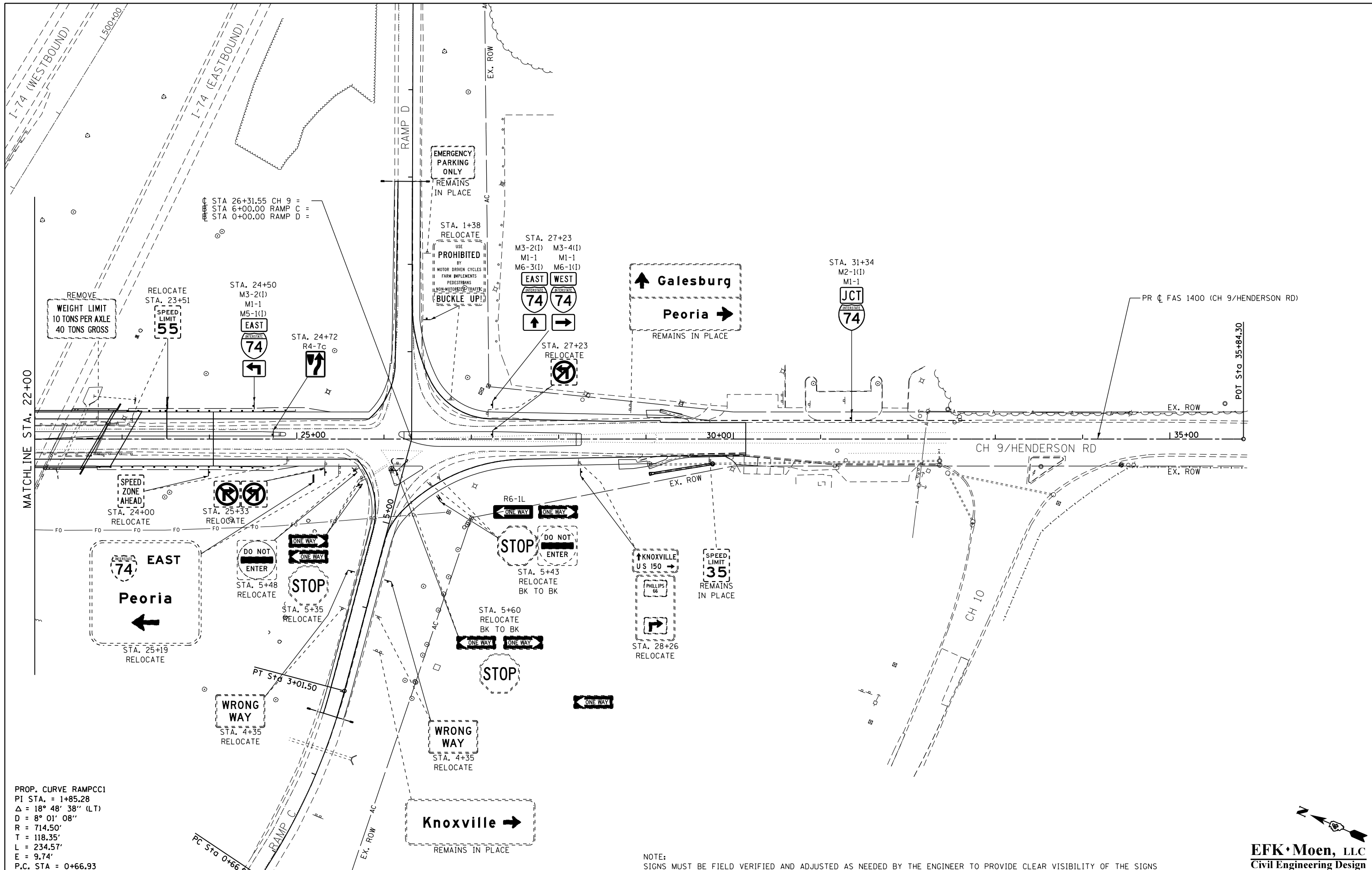
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNING PLAN

SCALE: 1" = 50' SHEET NO. 1 OF 2 SHEETS STA. 7+79.53 TO STA. 22+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	83
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

EFK Moen, LLC
Civil Engineering Design



PROP. CURVE RAMPCC1
 PI STA. = 1+85.28
 $\Delta = 18^\circ 48' 38''$ (LT)
 $D = 8^\circ 01' 08''$
 $R = 714.50'$
 $T = 118.35'$
 $L = 234.57'$
 $E = 9.74'$
 P.C. STA = 0+66.93

FILE NAME = Y:\13070 IDOT I-74 CH-9\Design\Final\Plotsheets\084-D488502-sht-sign02.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -
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PLOT DATE = 8/14/2015	DATE - 7/31/2015		REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
 SCALE: 1" = 50'
 SHEET NO. 2 OF 2 SHEETS
 STA. 22+00.00 TO STA. 35+84.30

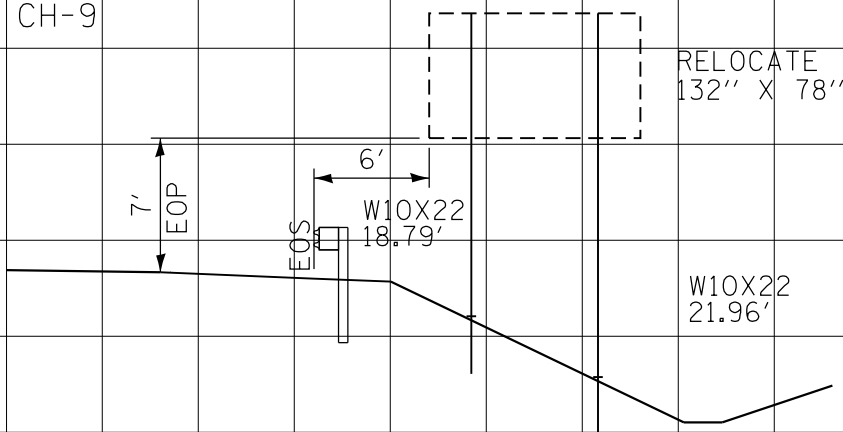
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74	(48-27HB-3)BR	KNOX	220	84
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

EFK Moen, LLC
 Civil Engineering Design

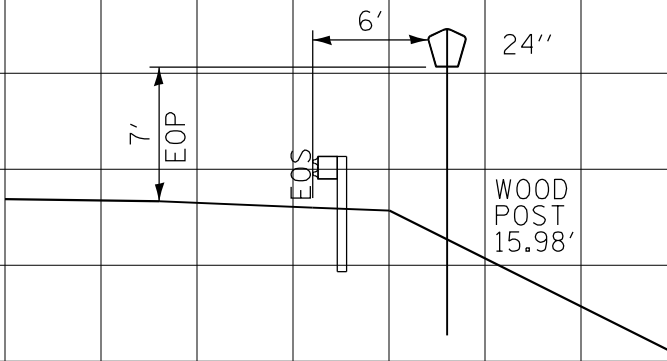
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BY	
FINAL SURVEY	
TEMPLATES	
NOTE BOOK	
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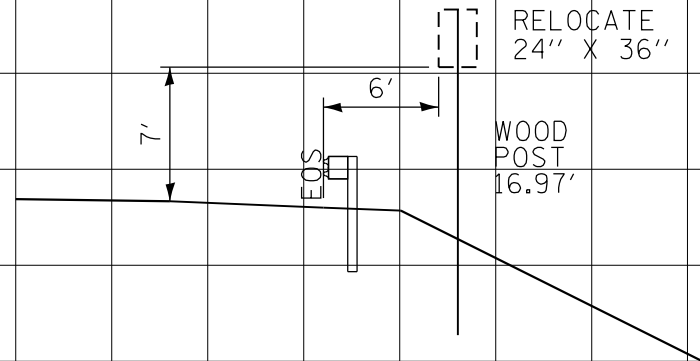
STA. 10+88, RT
CH-9



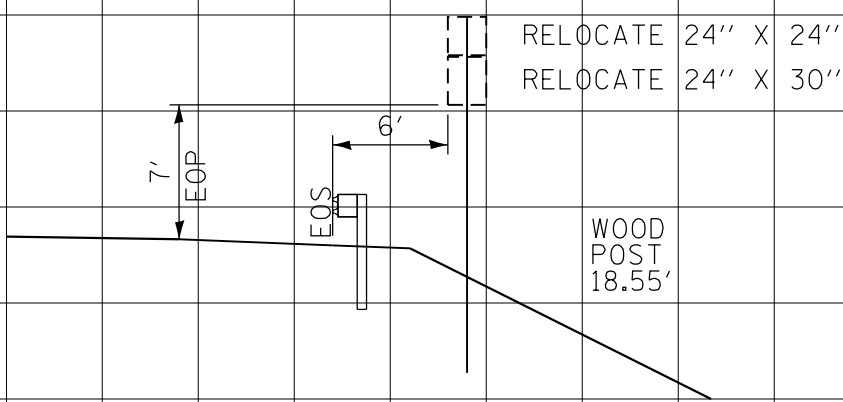
STA. 11+29, LT
CH-9



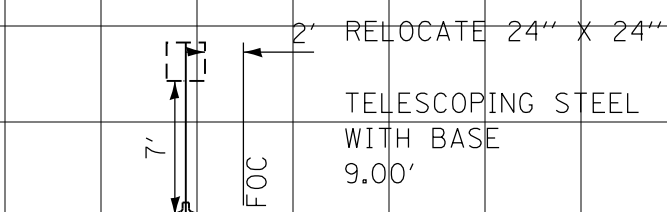
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CH-9



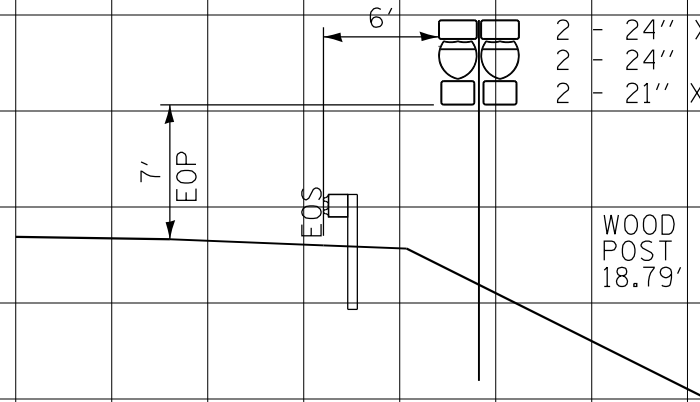
STA. 13+29, LT
CH-9



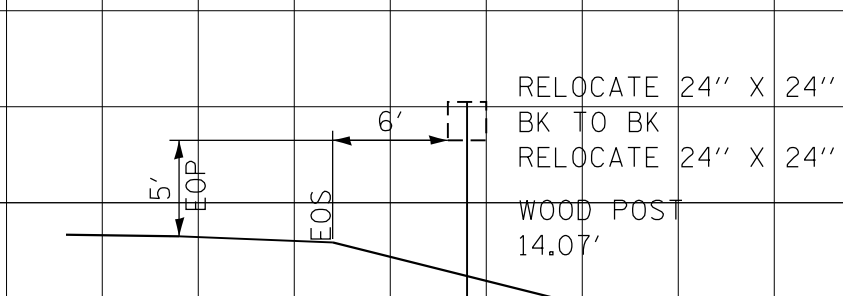
STA. 14+05, RT
CH-9



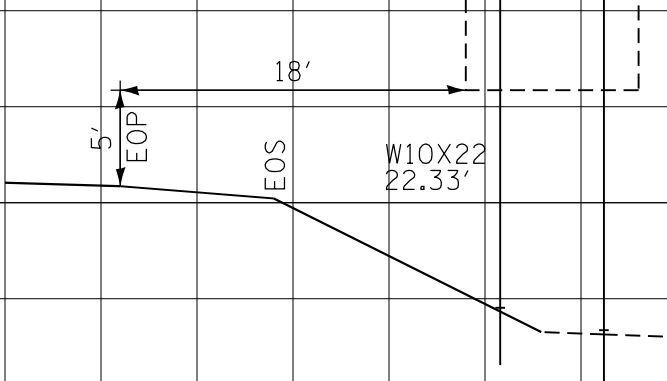
STA. 14+06, RT
CH-9



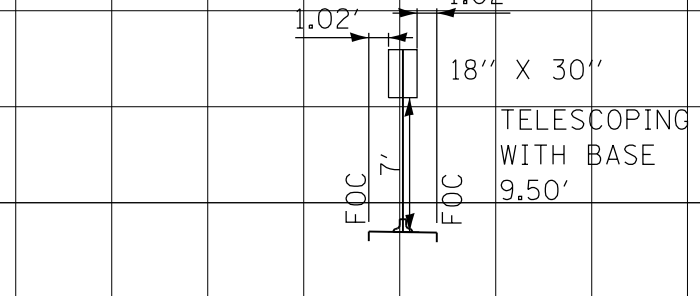
STA. 15+76, LT
CH-9



STA. 15+83, LT
CH-9



STA. 16+27, RT
CH-9



EFK Moen, LLC
Civil Engineering Design

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

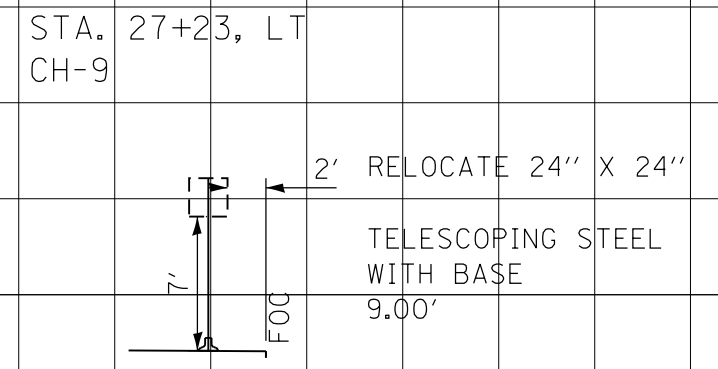
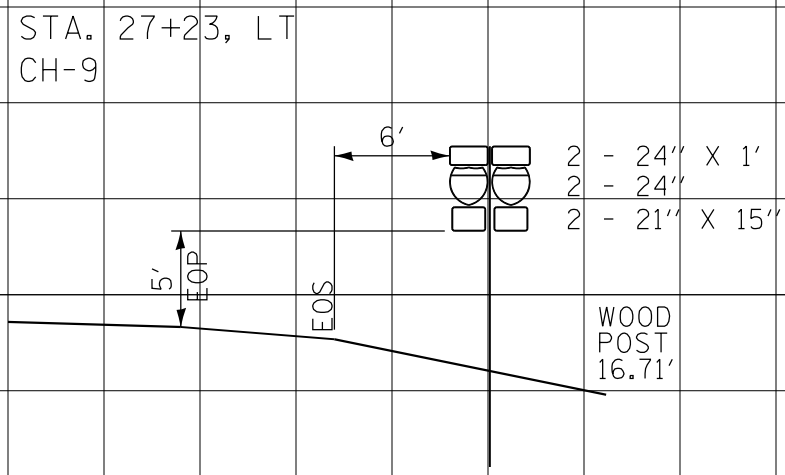
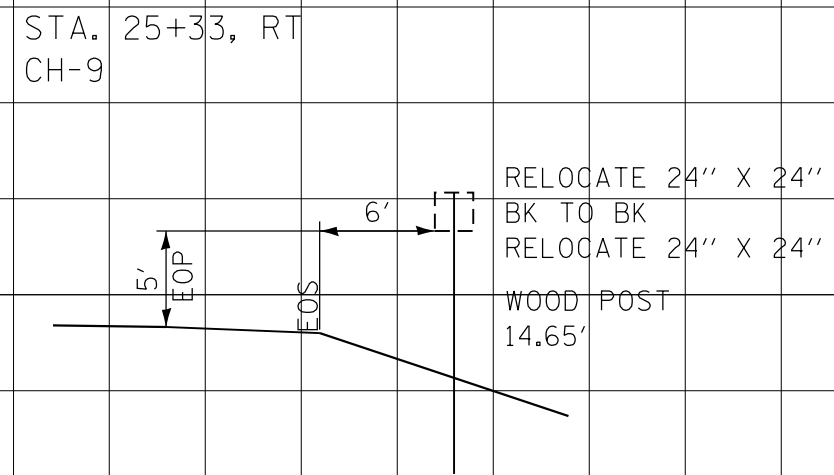
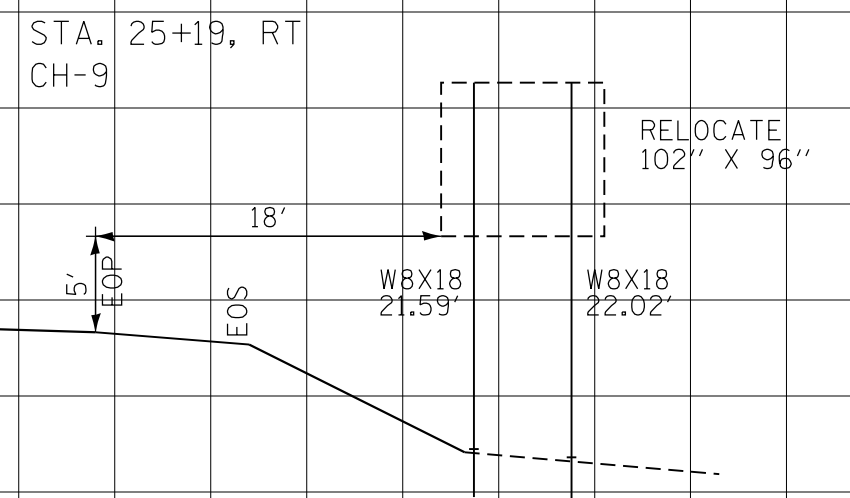
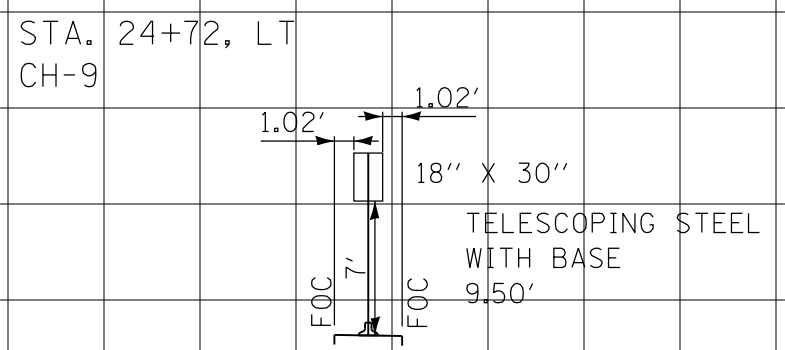
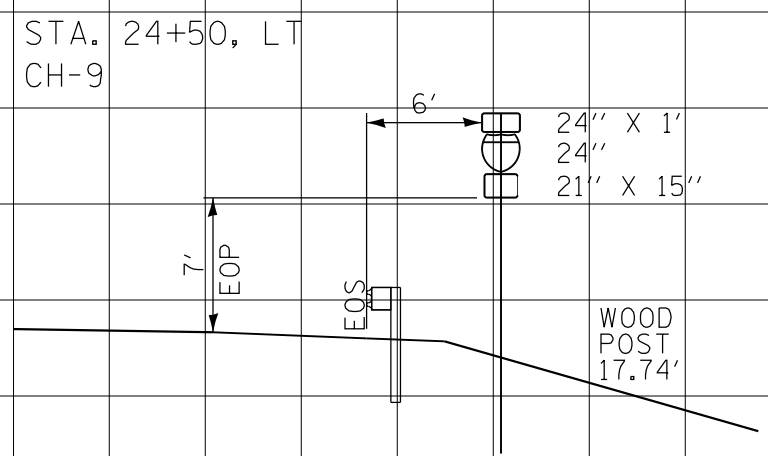
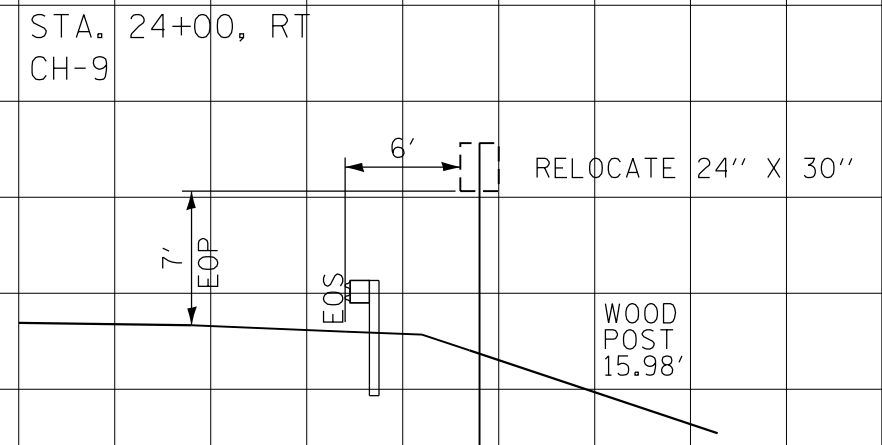
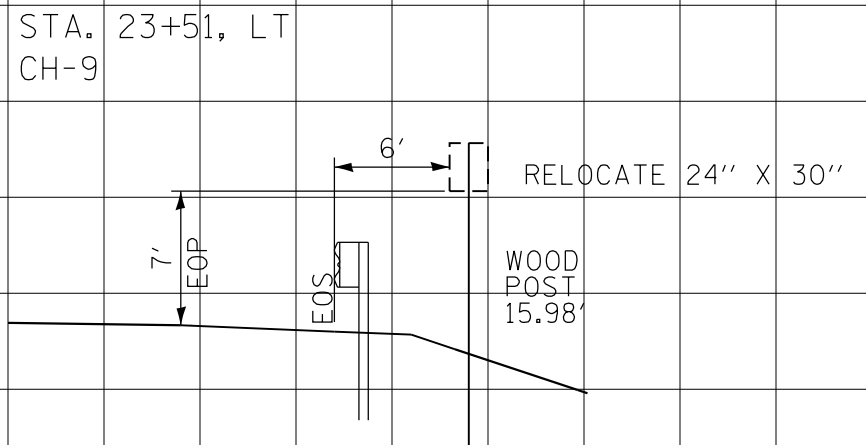
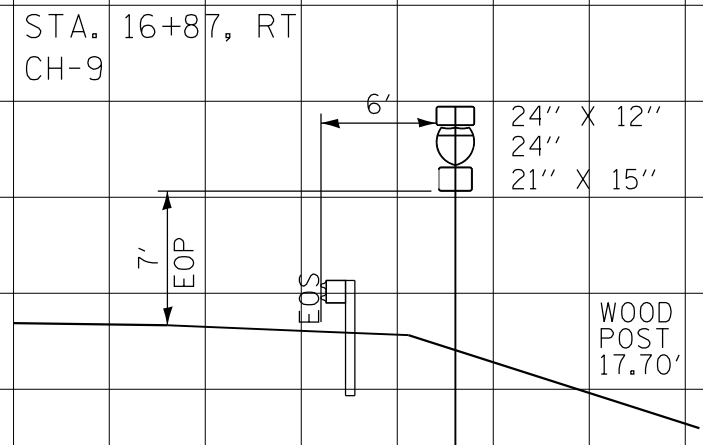
GROUND MOUNT SIGN
CROSS SECTIONS

SCALE: 5'V : 5'H SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	85
				CONTRACT NO. 88502
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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



EFK Moen, LLC
Civil Engineering Design

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GROUND MOUNT SIGN
CROSS SECTIONS

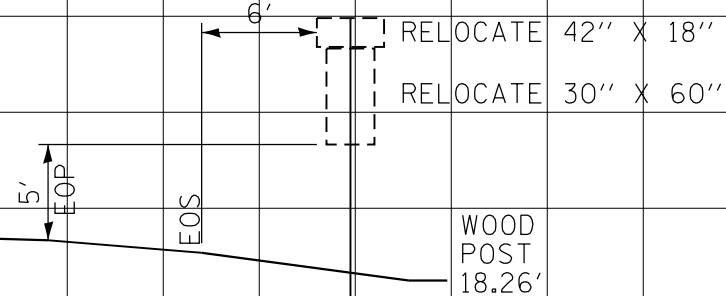
SCALE: 5'V : 5'H SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	86
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

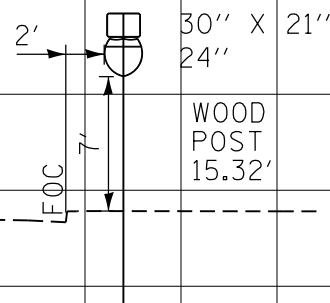
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DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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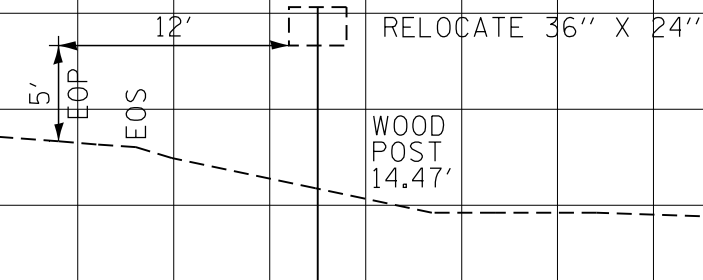
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CH-9



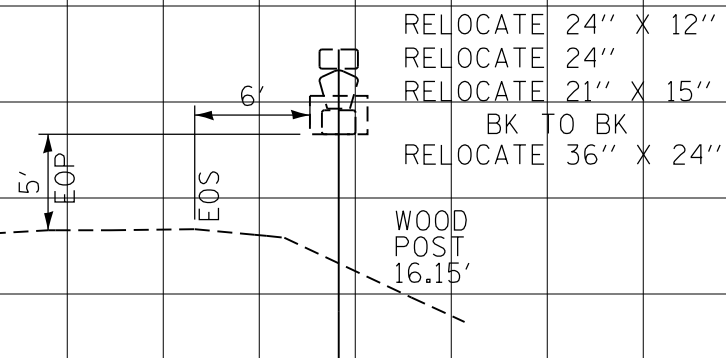
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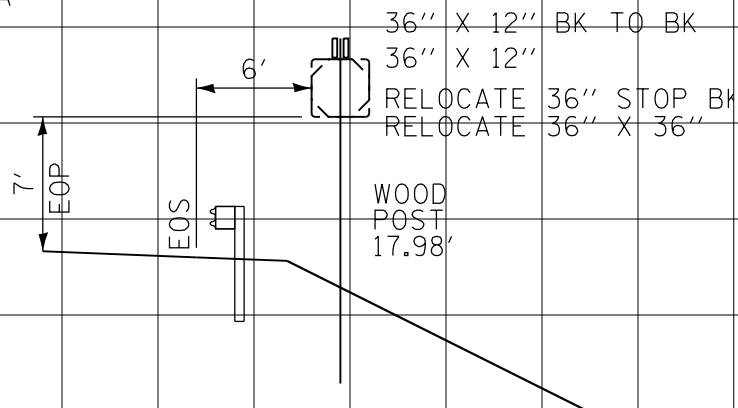
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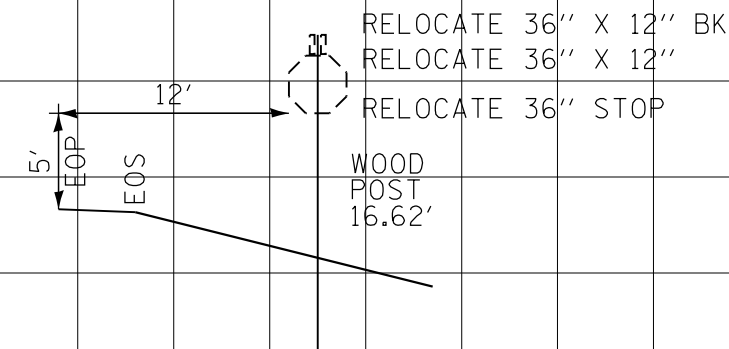
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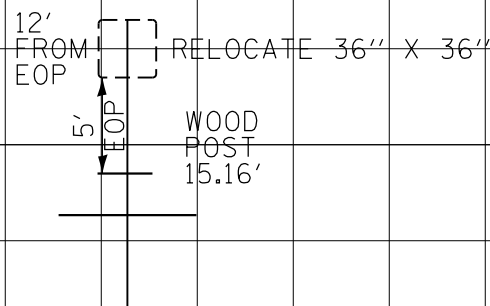
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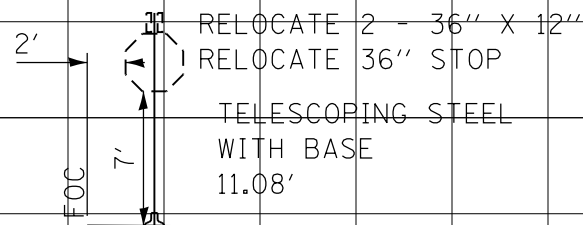
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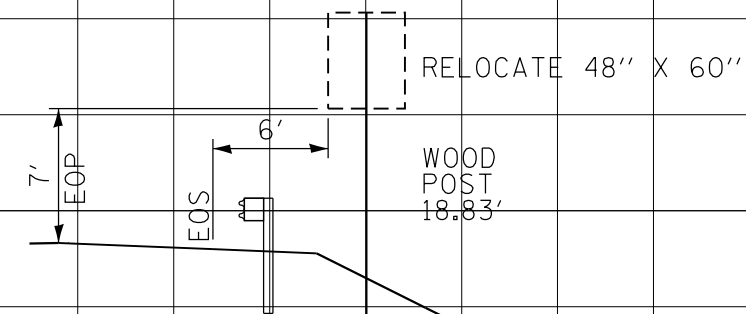
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STA. 2+65, RT
RAMP A



STA. 1+23, RT
RAMP B



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Civil Engineering Design

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		CHECKED - SLD	REVISED -
		DATE - 7/31/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GROUND MOUNT SIGN
CROSS SECTIONS

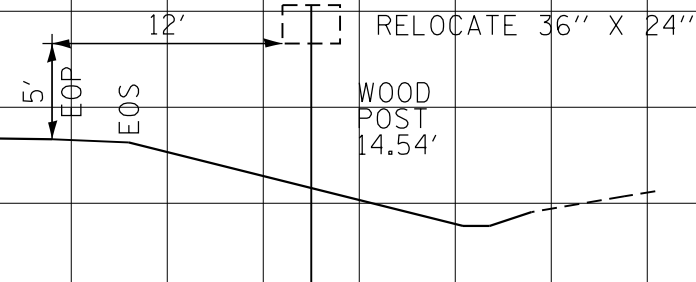
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

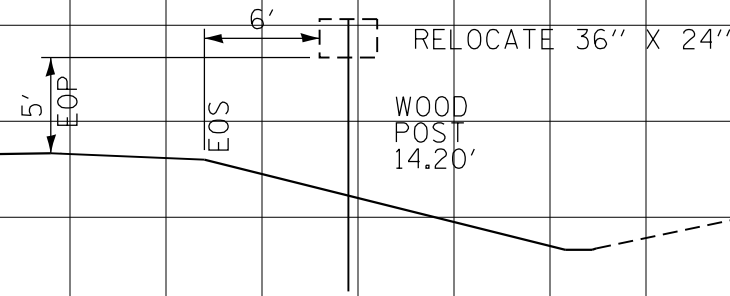
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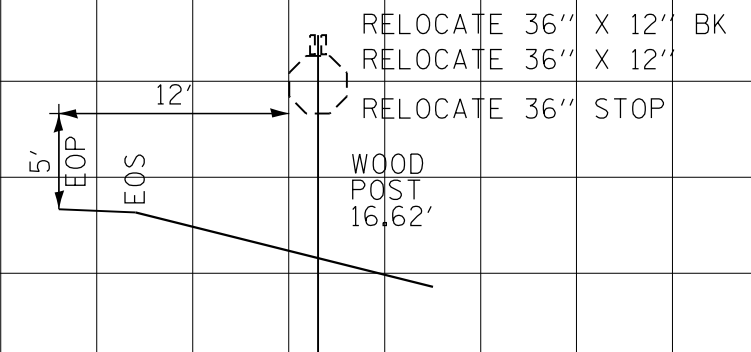
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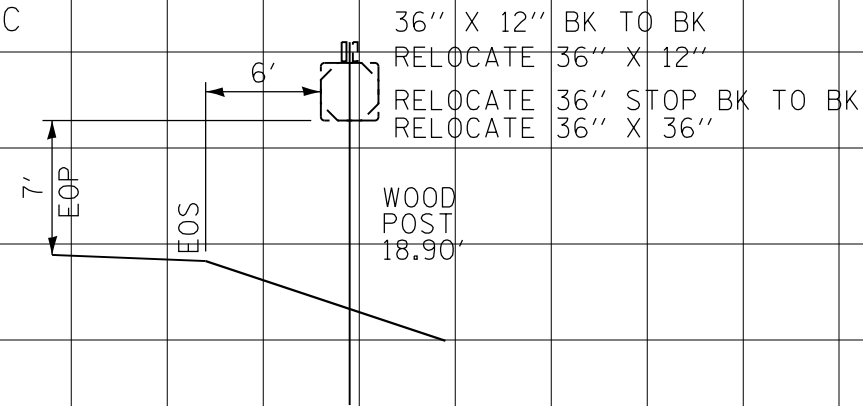
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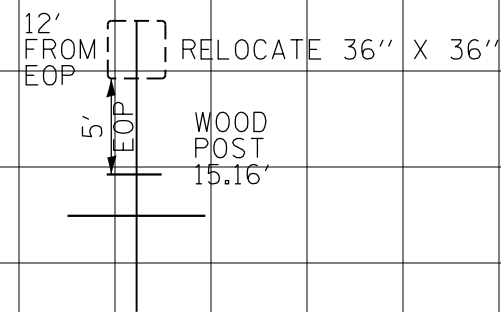
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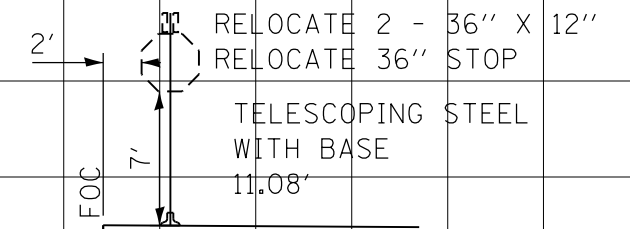
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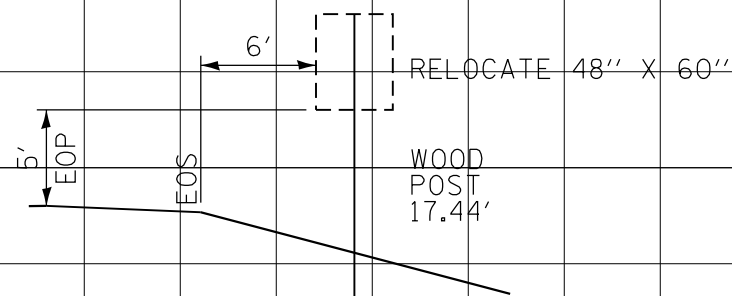
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STA. 5+60, LT
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STA. 1+38, RT
RAMP D



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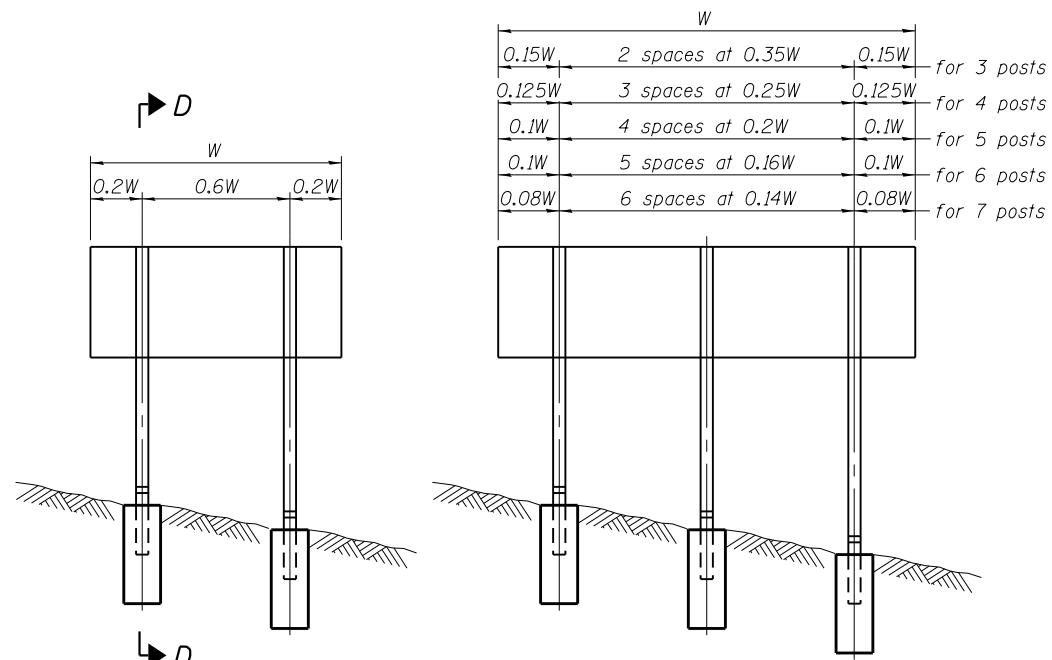
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

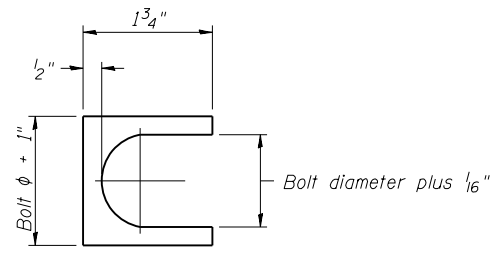
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CROSS SECTIONS

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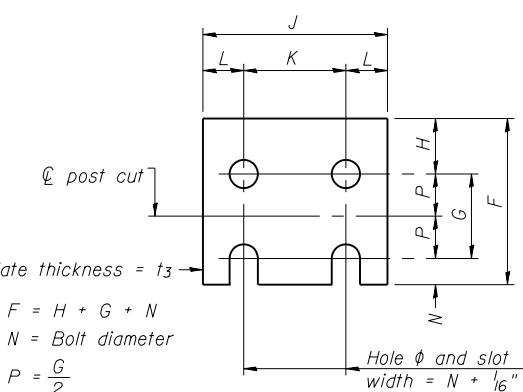
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74	(48-27HB-3)BR	KNOX	220	88
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				



0.15W	2 spaces at 0.35W	0.15W	for 3 posts
0.125W	3 spaces at 0.25W	0.125W	for 4 posts
0.1W	4 spaces at 0.2W	0.1W	for 5 posts
0.1W	5 spaces at 0.16W	0.1W	for 6 posts
0.08W	6 spaces at 0.14W	0.08W	for 7 posts

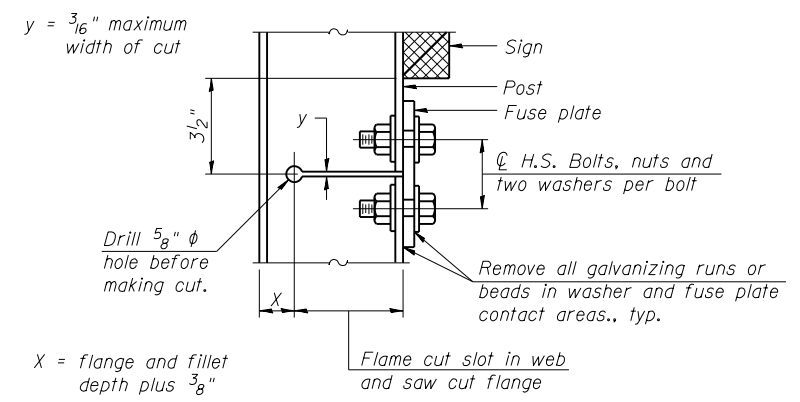


SHIM DETAIL
Furnish two 0.01" thick and two 0.03" thick stainless steel or brass (ASTM B36) shims per post.

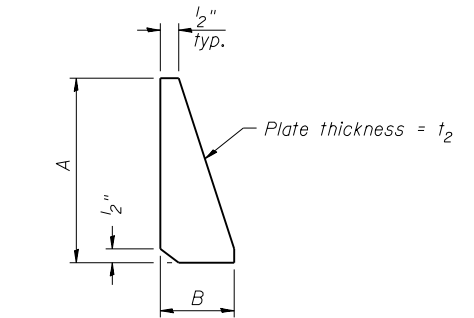


N = Bolt Diameter	G	H
1/2"	2"	1 1/8"
5/8"	2 1/4"	1 1/4"
3/4"	2 1/2"	1 3/8"
7/8"	2 3/4"	1 1/2"
1"	3"	1 5/8"
1 1/8"	3 1/4"	1 3/4"
1 1/4"	3 1/2"	1 7/8"

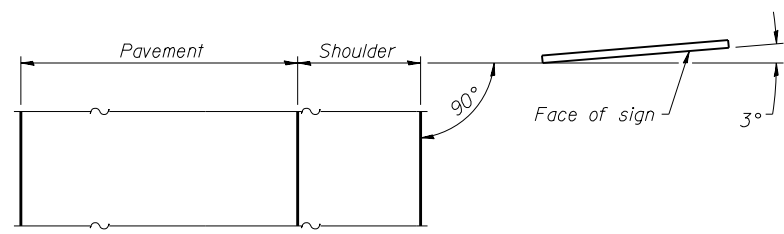
FUSE PLATE DETAIL
(Install with notches down.)



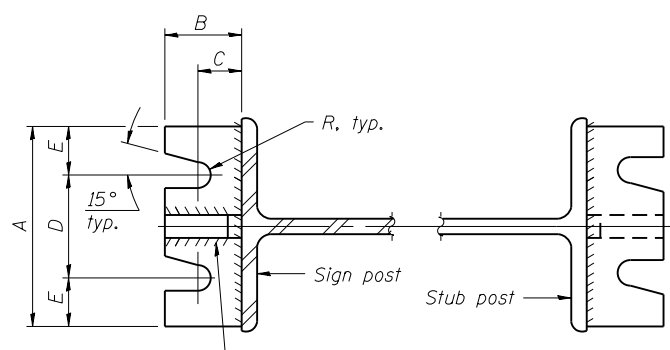
DETAIL H



STIFFENER PLATE DETAIL
Diameter

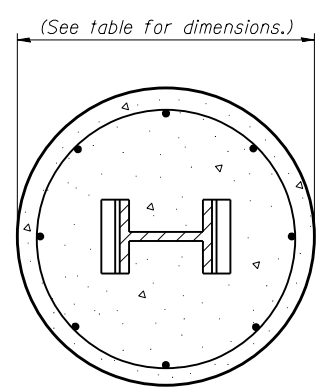


LOCATION SKETCH

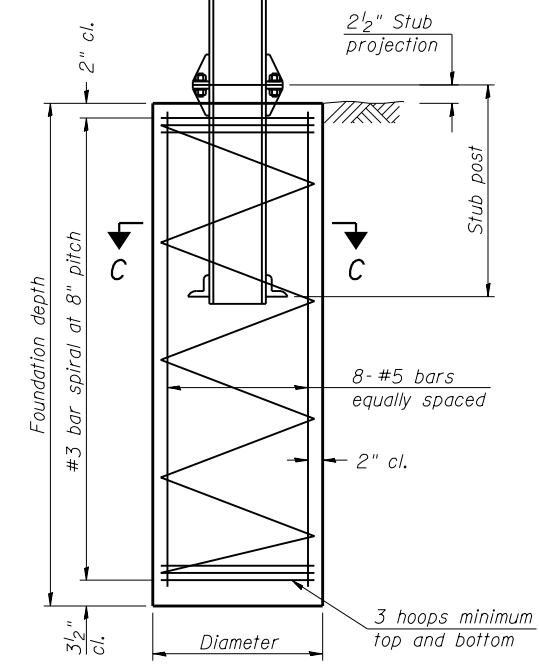


SECTION A-A

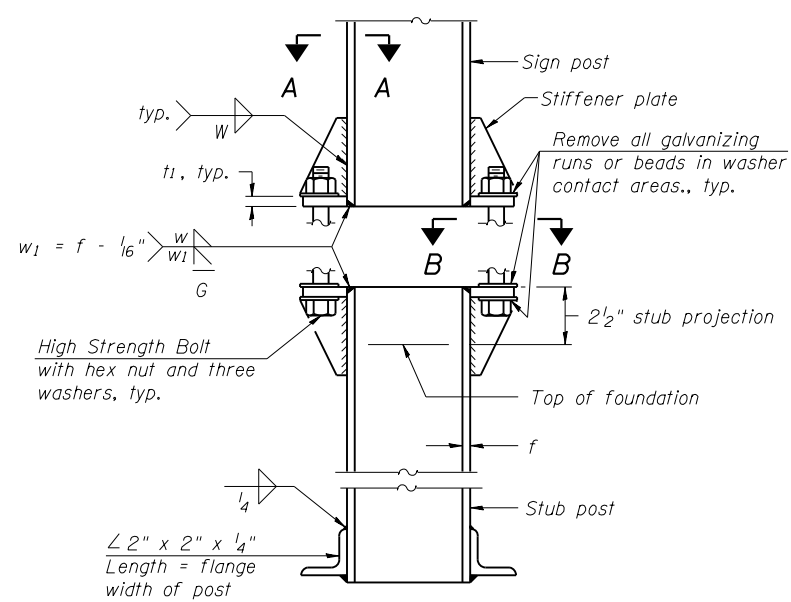
SECTION B-B



SECTION C-C



SECTION D-D



ELEVATION SIGN POST & STUB POST

GENERAL NOTES

Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 727.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 80 m.p.h. wind with 30% gust factor, normal to sign.

DESIGN STRESSES:
Structural steel - 20,000 p.s.i.
Reinforcing steel - 20,000 p.s.i.
Concrete - 1,400 p.s.i.
Footing soil pressure - 2,000 p.s.f.

After fabrication, the post, fuse plate and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.

Work this sheet with Base Sheet BAW-A-2.

BAW-A-1

6-1-12

(Sheet 1 of 2)

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PLOT DATE = 8/14/2015	DATE - 7/31/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BREAK-AWAY WIDE FLANGE
STEEL SIGN POST DETAILS

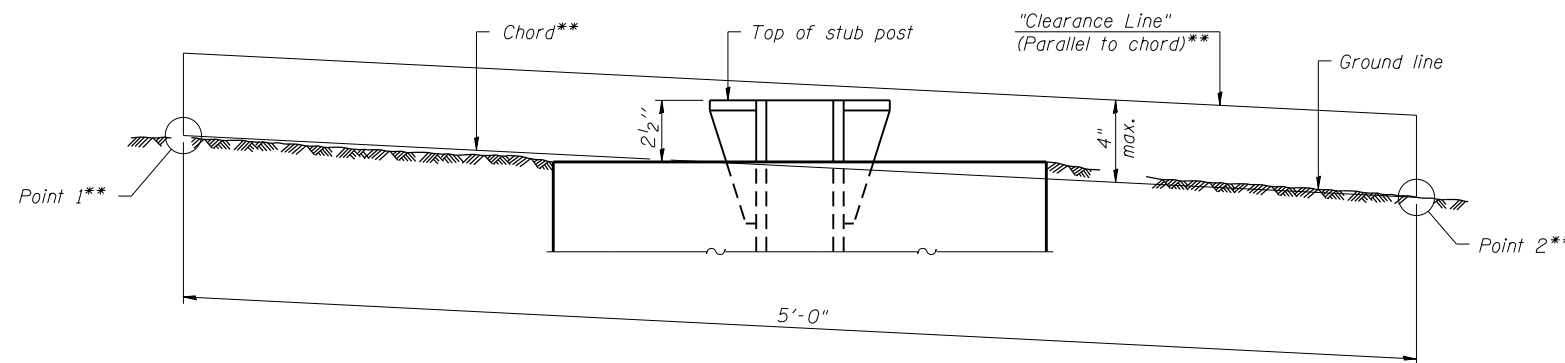
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	89
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

POST	CONCRETE FOUNDATION TABLE							POST TO STUB POST CONNECTION DATA										FUSE PLATE DATA				
	Foundation			Reinforcement			Stub Post Length	Bolt Size	A	B	C	D	E	t ₁	t ₂	R	W	J	K	L	t ₃	
	Diameter	* Minimum Depth	Concrete (1) cu. yds.)	Vertical Bars Length	Bar Spirals Diameter	Length																lbs. (2)
W6x9	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-3"	5/8" x 3/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	11/32"	1/4"	4"	2 1/4"	7/8"	1/4"
W6x15	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	5/8" x 3/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	11/32"	1/4"	6"	3 1/2"	1 1/4"	3/8"
W8x18	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	3/4" x 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	13/32"	5/16"	5 1/4"	2 3/4"	1 1/4"	3/8"
W10x22	2'-6"	6'-6"	1.18	6'-3"	2'-2 1/2"	105'-0"	92	3'-0"	3/4" x 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	13/32"	5/16"	5 3/4"	2 3/4"	1 1/2"	1/2"
W10x26	2'-6"	7'-0"	1.27	6'-9"	2'-2 1/2"	112'-0"	98	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	15/32"	3/8"	5 3/4"	2 3/4"	1 1/2"	5/8"
W12x26	2'-6"	7'-9"	1.41	7'-6"	2'-2 1/2"	119'-0"	107	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	15/32"	3/8"	6 1/2"	3 1/2"	1 1/2"	5/8"
W14x30	3'-0"	7'-3"	1.90	7'-0"	2'-8 1/2"	145'-0"	113	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	15/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W14x38	3'-0"	8'-0"	2.09	7'-9"	2'-8 1/2"	153'-0"	122	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	17/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W16x45	3'-0"	8'-6"	2.23	8'-3"	2'-8 1/2"	162'-0"	130	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	17/32"	3/8"	7"	3 1/2"	1 3/4"	1/2"

*Dimensional changes required for varying site conditions shall be approved by the Engineer.

POST	FUSE PLATE BOLT SIZE																				
	Sign Height																				
	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"	22'-0"	23'-0"	24'-0"
W6x9	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
W6x15	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	—	—	—	—	—	—	—	—	—	—	—	—
W8x18	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	—	—	—	—	—	—	—	—	—	—	—
W10x22	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	—	—	—	—	—	—	—	
W10x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	—	—	—	—	—	—	
W12x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	—	—	—	—	—	
W14x30	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	—	—	—	—	
W14x38	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"
W16x45	—	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"



**ELEVATION
GROUND LINE & STUB POST**

** For all "Point 1" and "Point 2" locations, "Clearance Line" must be at or above top of stub post.

- ① Quantity includes all concrete necessary for one foundation.
- ② Includes reinforcement bars and spiral hooping for one foundation.

BAW-A-2

6-1-12

(Sheet 2 of 2)

FILE NAME =	USER NAME = jrd	DESIGNED -	REVISED -
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	PLOT DATE = 8/14/2015	DATE - 7/31/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BREAK-AWAY WIDE FLANGE
STEEL SIGN POST TABLES**

SCALE: N.A. SHEET 2 OF 2 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-27HB-3)BR	KNOX	220	90
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

LIGHTING SCHEDULE OF QUANTITIES

GENERAL NOTES:

1. NO POLE TO BE INSTALLED IN THE FLOWLINE OF DITCH. POLE SETBACK TO BE ADJUSTED IF NECESSARY AS DIRECTED BY THE ENGINEER.
2. UNIT DUCT SHALL BE SCHEDULE 40
3. BREAKAWAY COUPLINGS SHALL NOT BE REUSED
4. LEVELING PLATES FOR BRIDGE MOUNTED LIGHT POLES SHALL BE ACCORDING TO THE PLANS AND SHALL BE GALVANIZED STEEL.
5. ALL OR PART OF THE TEMPORARY LIGHTING SYSTEM MAY BE ELIMINATED WHERE THE ROADWAY LIGHTING CAN BE COVERED BY THE EXISTING AND/OR PROPOSED LIGHTING AS APPROVED BY THE ENGINEER.

PAY ITEM	DESCRIPTION	QTY	UNITS
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	345	FT
81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC	535	FT
81300555	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 8"	4	EA
81603030	UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	1,500	FT
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	535	FT
81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	1,070	FT
82103900	LUMINAIRE, SODIUM VAPOR, MULTI MOUNT, 250 WATT	6	EA
82500330	LIGHTING CONTROLLER, PEDISTAL MOUNTED, 240 VOLT, 60 AMP	1	EA
83060830	LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., TENON MOUNT	2	EA
83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	46	FT
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15" BOLT CIRCLE	4	EA
84200804	REMOVAL OF POLE FOUNDATION	7	EA
84400105	RELOCATE EXISTING LIGHTING UNIT	7	EA
84500110	REMOVAL OF LIGHTING CONTROLLER	1	EA
X8110522	CONDUIT ATTACHED TO STRUCTURE, 2" DIA. STAINLESS STEEL	10	FT
X8410102	TEMPORARY LIGHTING SYSTEM	1	LSUM

MAKE SURE THAT THE FOLLOWING CHECK BOXES ARE CHECKED:

- ITEM # 25 NIGHT TIME INSPECTION OF ROADWAY LIGHTING (RECURRING SPECIAL PROVISIONS LIST)
- ITEM #13 COILABLE NONMETALLIC CONDUIT (IN BDE SPECIAL PROVISION CHECKLIST)

LIST THE FOLLOWING HWY STANDARDS ON THE MAST LIST

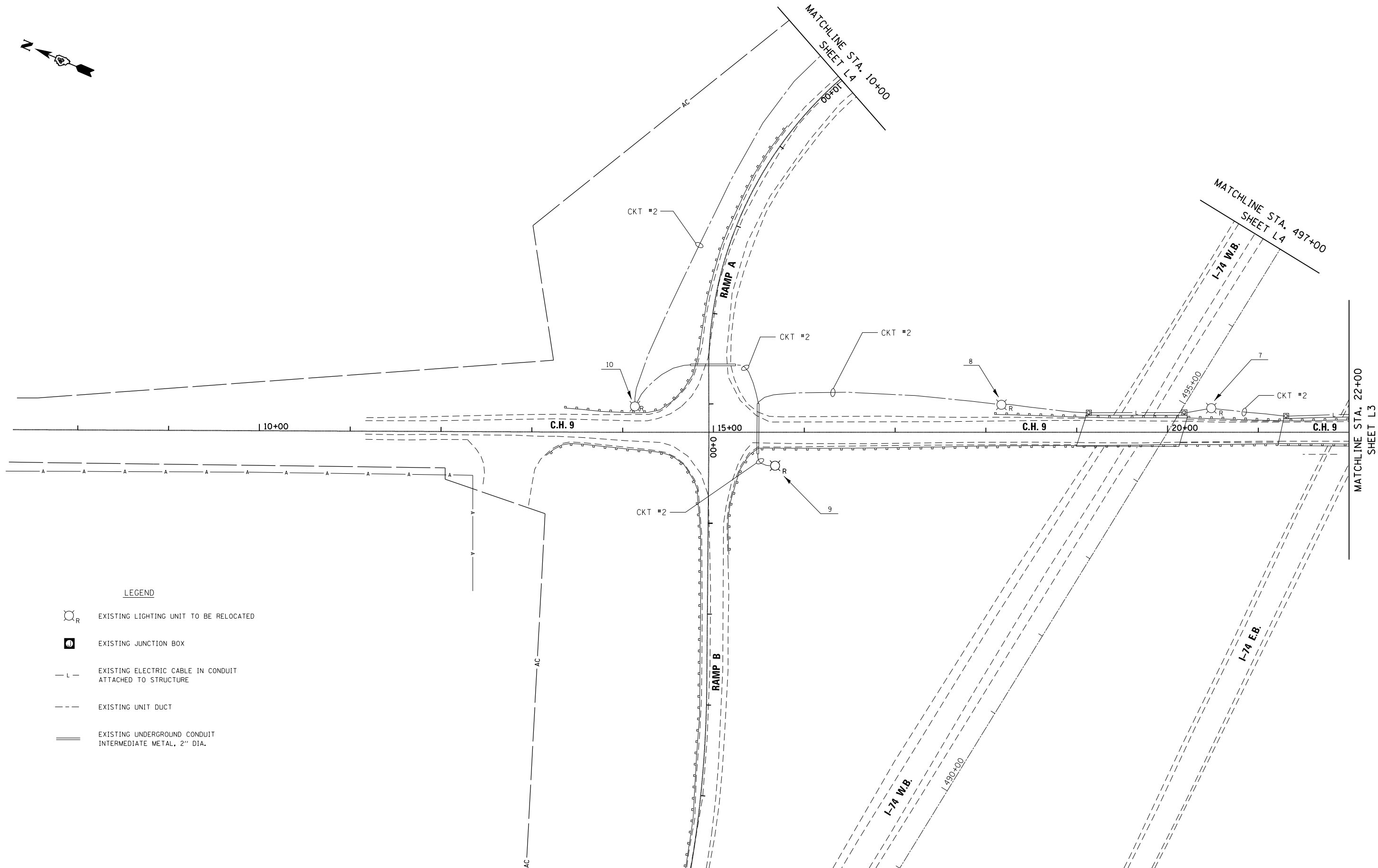
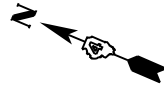
- 812001 RACEWAY EMBEDDED IN STRUCTURE
- 821101-01 LUMINAIRE WIRING DIAGRAM
- 825011-03 LIGHTING CONTROLLER PEDISTAL MOUNTED, 240V
- 830021-02 LIGHT POLE STEEL TENNON TOP
- 830026 TEMPORARY ROADWAY LIGHTING
- 836001-02 LIGHT POLE FOUNDATION
- 838001 BREAKAWAY DEVICES

INDEX OF SHEETS

- L1 GENERAL NOTES, SCHEDULES AND INDEX OF SHEETS
- L2-L5 LIGHTING REMOVAL PLANS
- L6-L9 TEMPORARY LIGHTING PLANS
- L10-L13 PROPOSED LIGHTING PLANS
- L14 WIRING DIAGRAMS
- L15 LUMINAIRE PERFORMANCE TABLE

REV,
L1

FILE NAME =	USER NAME = jcd	DESIGNED - IDOT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, SCHEDULES AND INDEX OF SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -			1400	(48-27HB-3)BY, BY-1	KNOX	220	91	
	PLOT SCALE = 100.0162 / 1 in.	CHECKED -	REVISED -			CONTRACT NO. 88502					
	PLOT DATE = 8/14/2015	DATE - 7/31/2015	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE: 1" = 50'		SHEET NO. 1 OF 2 SHEETS		STA. 7+79.63 TO STA. 22+00.00			



LEGEND

- EXISTING LIGHTING UNIT TO BE RELOCATED
- EXISTING JUNCTION BOX
- EXISTING ELECTRIC CABLE IN CONDUIT ATTACHED TO STRUCTURE
- EXISTING UNIT DUCT
- EXISTING UNDERGROUND CONDUIT INTERMEDIATE METAL, 2" DIA.

FILE NAME =	USER NAME = jd	DESIGNED - IDOT	REVISED -
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	PLOT SCALE = 100.0162' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/14/2015	DATE - 7/31/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING REMOVAL PLANS







SCALE: 1" = 50' SHEET NO. 1 OF 4 SHEETS STA. 7+79.63 TO STA. 22+00.00

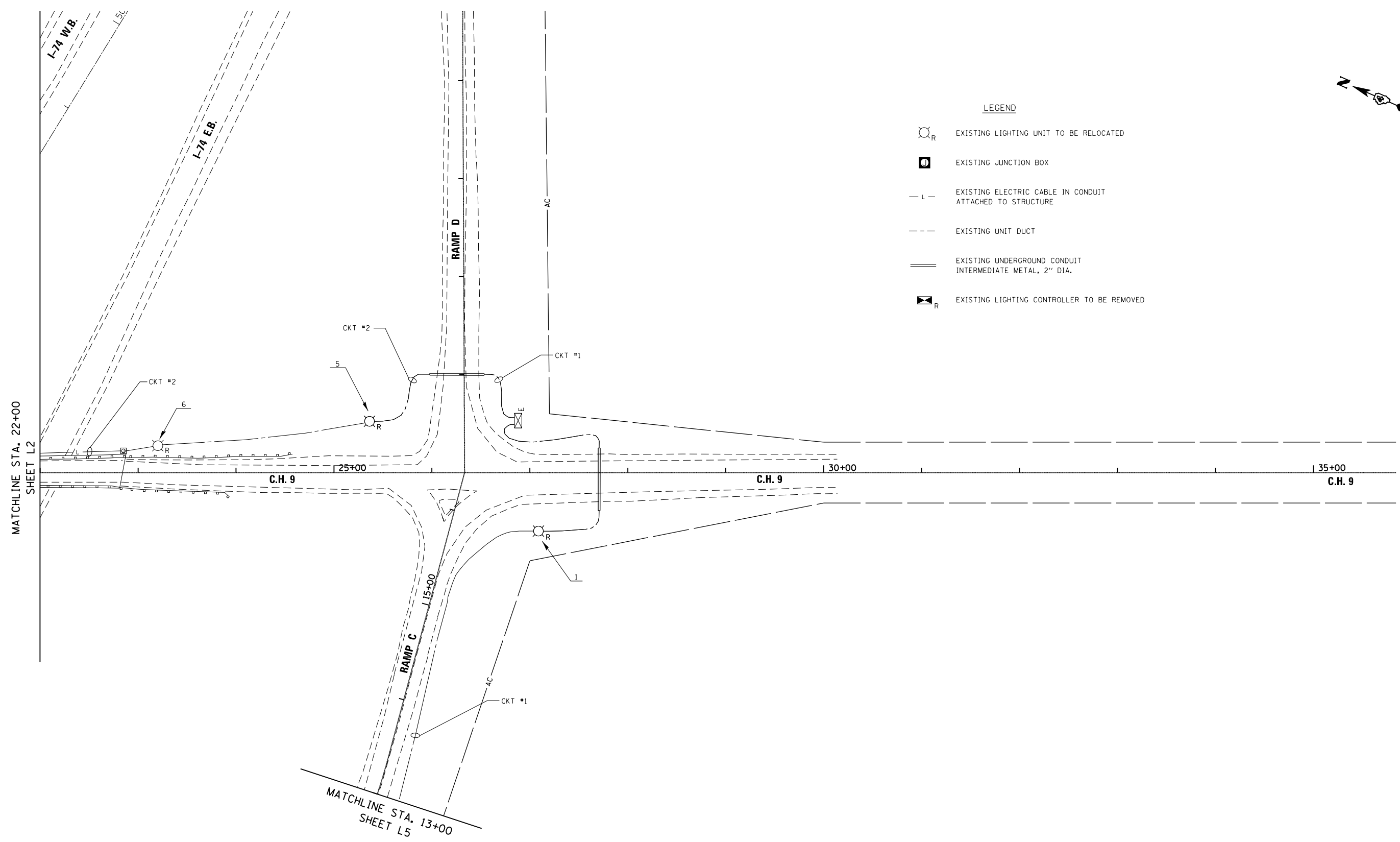
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1400	(48-27HB-3)BY, BY-1	KNOX	220	92
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

L2



LEGEND

-  EXISTING LIGHTING UNIT TO BE RELOCATED
-  EXISTING JUNCTION BOX
-  EXISTING ELECTRIC CABLE IN CONDUIT ATTACHED TO STRUCTURE
-  EXISTING UNIT DUCT
-  EXISTING UNDERGROUND CONDUIT INTERMEDIATE METAL, 2" DIA.
-  EXISTING LIGHTING CONTROLLER TO BE REMOVED



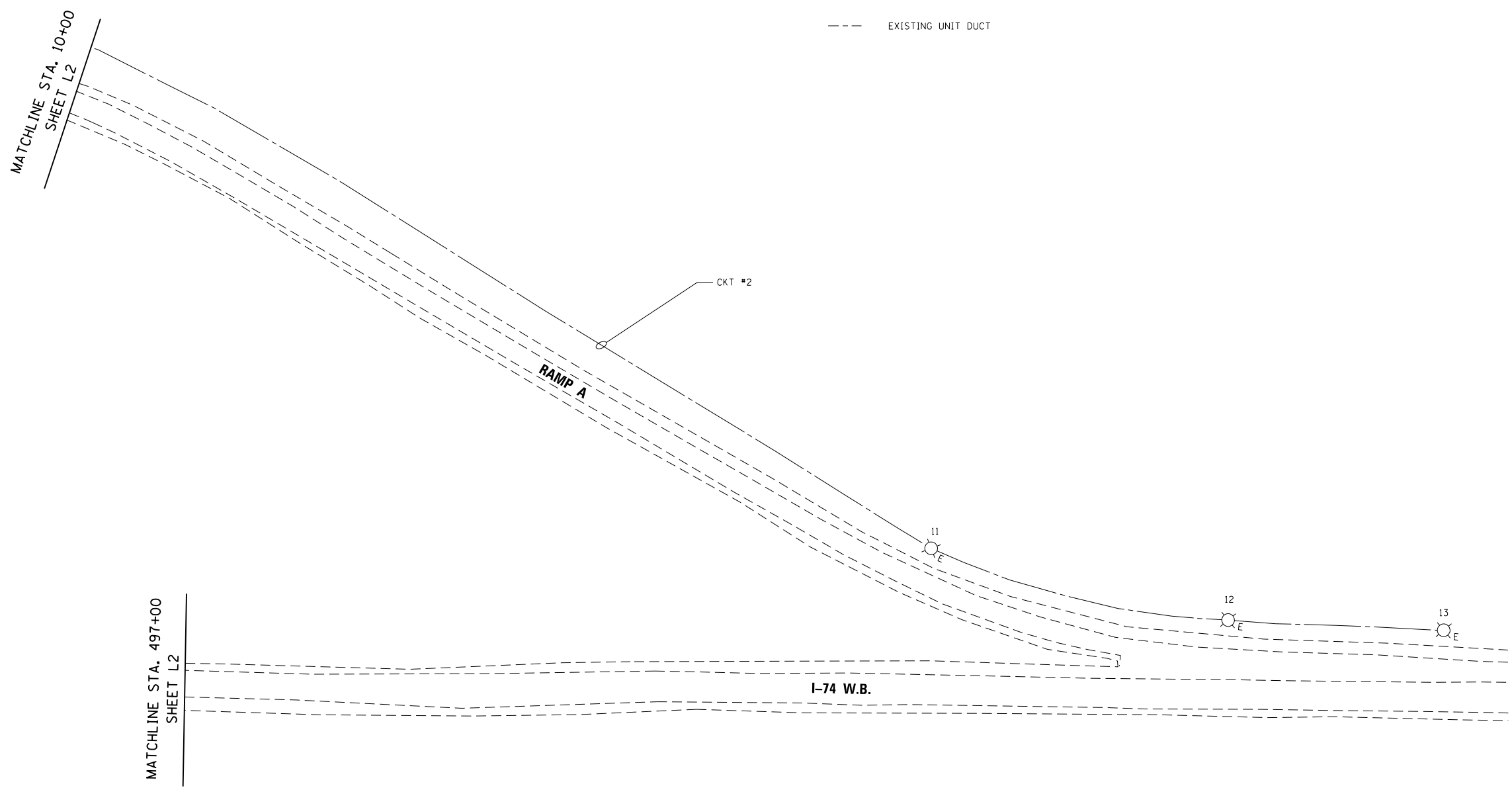
L3

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PLOT DATE = 8/14/2015	DATE = 7/31/2015	REVISED -		SCALE: 1" = 50' SHEET NO. 2 OF 4 SHEETS STA. 22+00.00 TO STA. 35+84.41		CONTRACT NO. 88502				
						ILLINOIS FED. AID PROJECT				



LEGEND

- ⊙_E EXISTING LIGHTING UNIT
- EXISTING UNIT DUCT



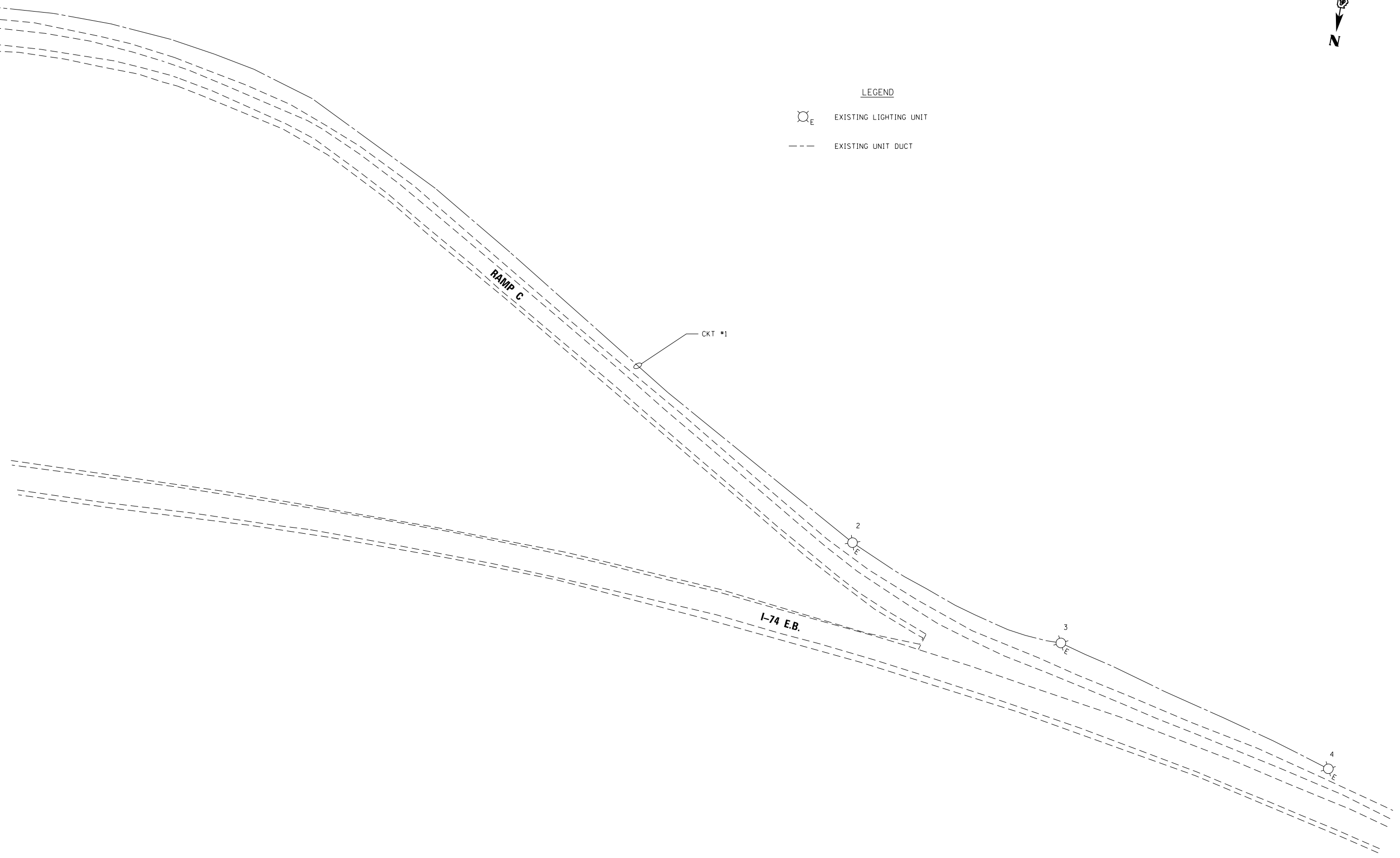
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PLOT DATE = 8/14/2015	DATE - 7/31/2015	REVISED -	SCALE: 1" = 50'		SHEET NO. 3 OF 4 SHEETS	STA. 10+00.00 TO STA.	CONTRACT NO. 88502					
							ILLINOIS FED. AID PROJECT					

MATCHLINE STA. 13+00
SHEET L3



LEGEND

- ⊙_E EXISTING LIGHTING UNIT
- EXISTING UNIT DUCT



L5

FILE NAME =	USER NAME = jcd	DESIGNED - IDOT	REVISED -
FILEL		DRAWN -	REVISED -
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	PLOT DATE = 8/14/2015	DATE - 7/31/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

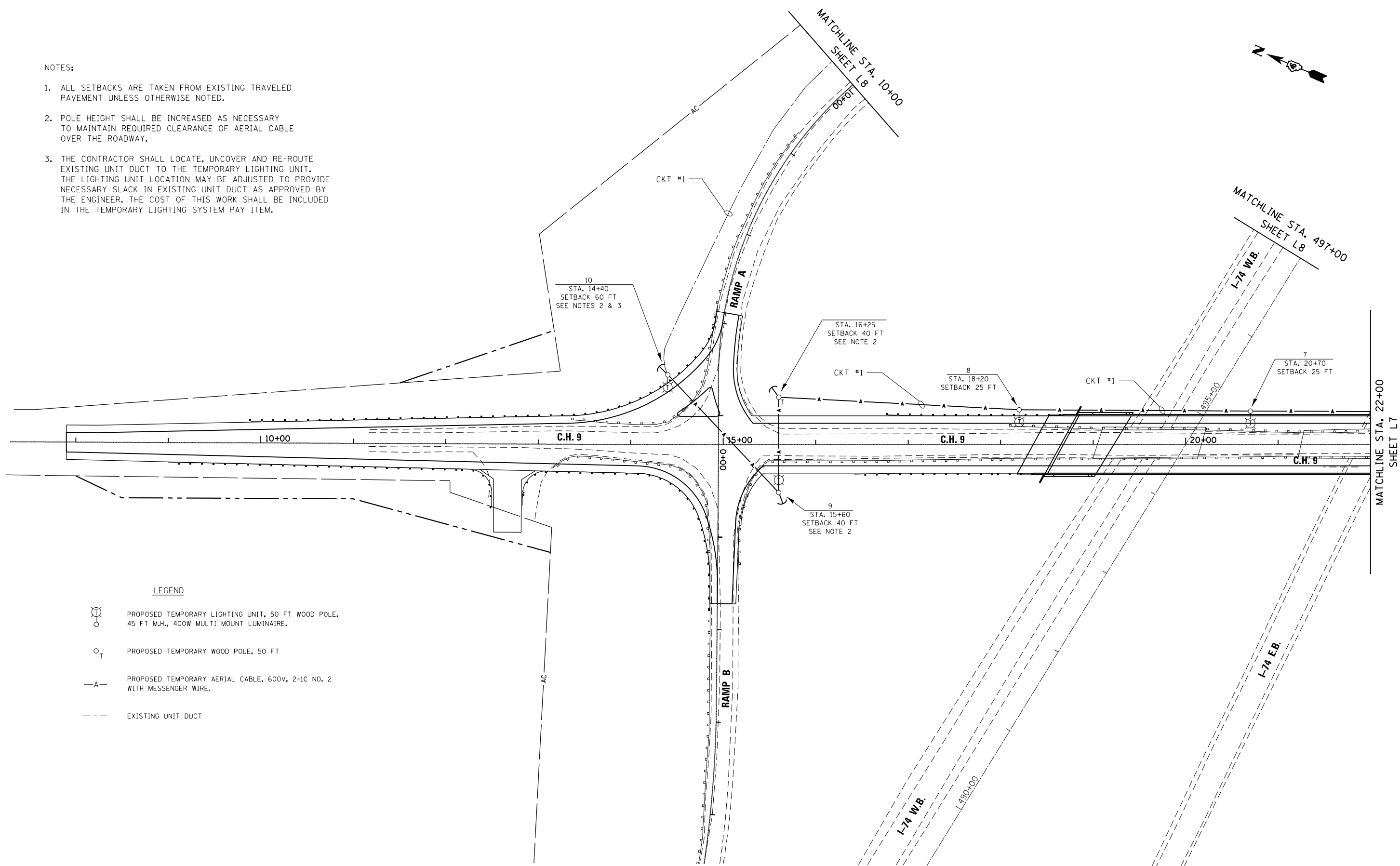
LIGHTING REMOVAL PLANS

SCALE: 1" = 50' SHEET NO. 4 OF 4 SHEETS STA. 13+00.00 TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1400	(48-27HB-3)BY, BY-1	KNOX	220	95
CONTRACT NO. 88502				
ILLINOIS FED. AID PROJECT				

NOTES:

1. ALL SETBACKS ARE TAKEN FROM EXISTING TRAVELED PAVEMENT UNLESS OTHERWISE NOTED.
2. POLE HEIGHT SHALL BE INCREASED AS NECESSARY TO MAINTAIN REQUIRED CLEARANCE OF AERIAL CABLE OVER THE ROADWAY.
3. THE CONTRACTOR SHALL LOCATE, UNCOVER AND RE-ROUTE EXISTING UNIT DUCT TO THE TEMPORARY LIGHTING UNIT. THE LIGHTING UNIT LOCATION MAY BE ADJUSTED TO PROVIDE NECESSARY SLACK IN EXISTING UNIT DUCT AS APPROVED BY THE ENGINEER. THE COST OF THIS WORK SHALL BE INCLUDED IN THE TEMPORARY LIGHTING SYSTEM PAY ITEM.



LEGEND

- PROPOSED TEMPORARY LIGHTING UNIT, 50 FT WOOD POLE, 45 FT M.H., 400W MULTI MOUNT LUMINAIRE.
- PROPOSED TEMPORARY WOOD POLE, 50 FT
- PROPOSED TEMPORARY AERIAL CABLE, 600V, 2-1C NO. 2 WITH MESSENGER WIRE.
- EXISTING UNIT DUCT

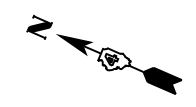
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	PLOT DATE = 8/14/2015	DATE - 7/31/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

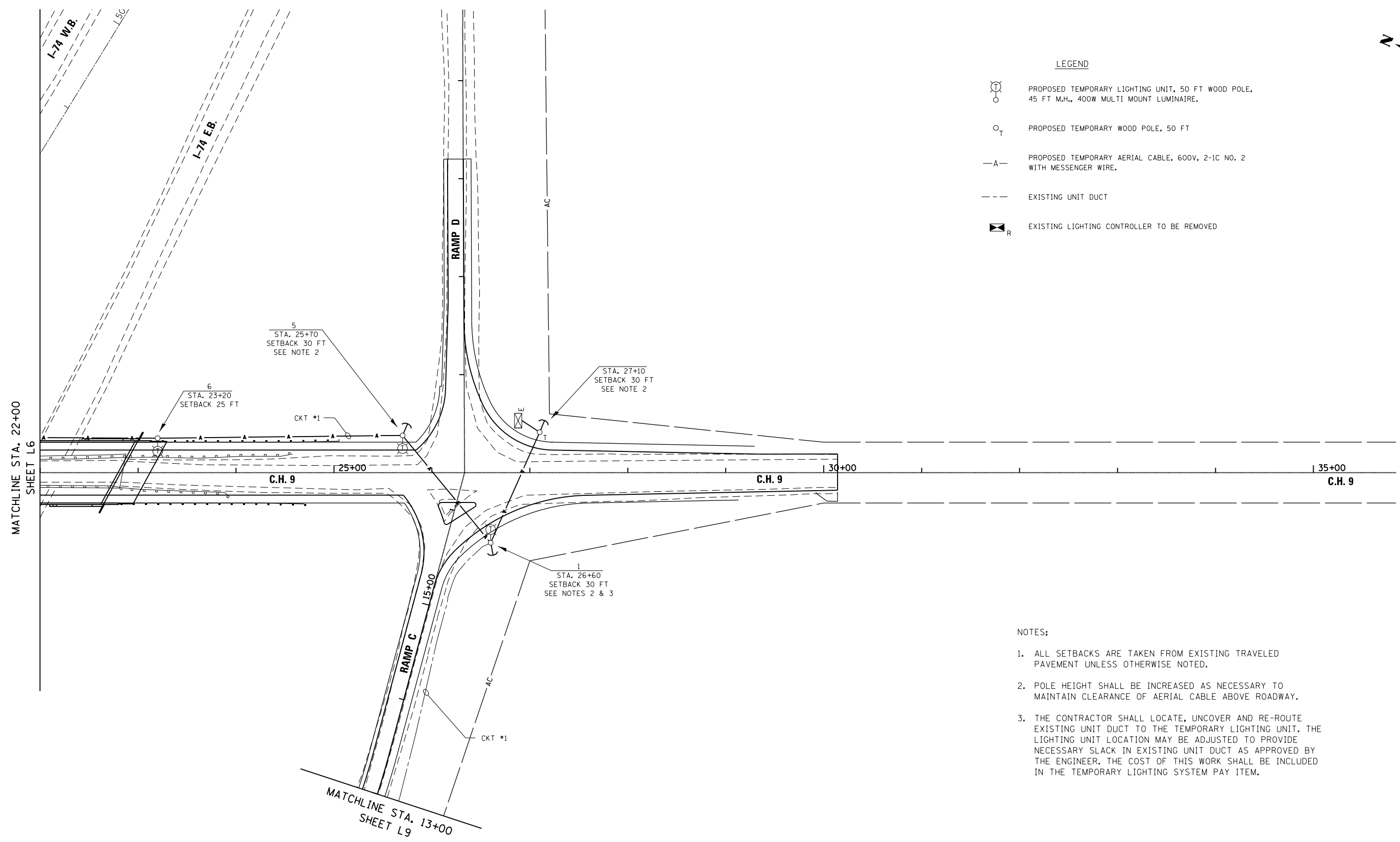
TEMPORARY LIGHTING PLAN

SCALE: 1" = 50' SHEET NO. 1 OF 4 SHEETS STA. 7+79.63 TO STA. 22+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1400	(48-27HB-3)BY, BY-1	KNOX	220	96
CONTRACT NO. 88502			ILLINOIS FED. AID PROJECT	



- LEGEND**
- PROPOSED TEMPORARY LIGHTING UNIT, 50 FT WOOD POLE, 45 FT M.H., 400W MULTI MOUNT LUMINAIRE.
 - PROPOSED TEMPORARY WOOD POLE, 50 FT
 - PROPOSED TEMPORARY AERIAL CABLE, 600V, 2-1C NO. 2 WITH MESSENGER WIRE.
 - EXISTING UNIT DUCT
 - EXISTING LIGHTING CONTROLLER TO BE REMOVED





- NOTES:**
1. ALL SETBACKS ARE TAKEN FROM EXISTING TRAVELED PAVEMENT UNLESS OTHERWISE NOTED.
 2. POLE HEIGHT SHALL BE INCREASED AS NECESSARY TO MAINTAIN CLEARANCE OF AERIAL CABLE ABOVE ROADWAY.
 3. THE CONTRACTOR SHALL LOCATE, UNCOVER AND RE-ROUTE EXISTING UNIT DUCT TO THE TEMPORARY LIGHTING UNIT. THE LIGHTING UNIT LOCATION MAY BE ADJUSTED TO PROVIDE NECESSARY SLACK IN EXISTING UNIT DUCT AS APPROVED BY THE ENGINEER. THE COST OF THIS WORK SHALL BE INCLUDED IN THE TEMPORARY LIGHTING SYSTEM PAY ITEM.

FILE NAME =	USER NAME = jcd	DESIGNED - IDOT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY LIGHTING PLAN	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		CHECKED -	REVISED -			CONTRACT NO. 88502					
		DATE - 7/31/2015	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE: 1" = 50'	SHEET NO. 2 OF 4 SHEETS		STA. 22+00.00 TO STA. 35+84.41			



MATCHLINE STA. 10+00
SHEET L6

LEGEND

-  EXISTING LIGHTING UNIT
-  EXISTING UNIT DUCT

MATCHLINE STA. 497+00
SHEET L6

RAMP A

CKT #2

11
E

12
E

13
E



I-74 W.B.

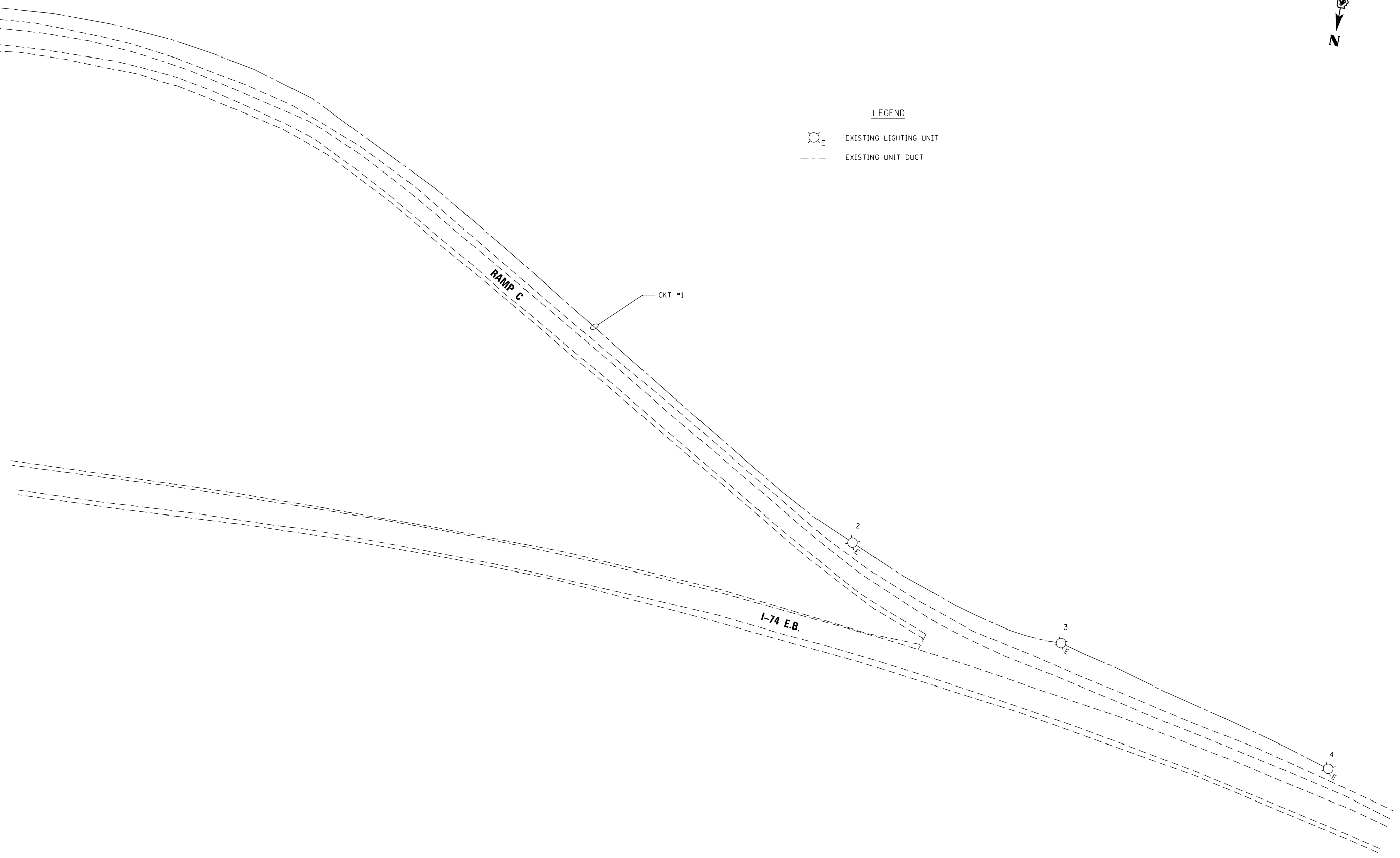
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	PLOT SCALE = 100.0162' / 1" =	CHECKED -	REVISED -					1400	(48-27HB-3)BY, BY-1	KNOX	220	98
PLOT DATE = 8/14/2015	DATE - 7/31/2015	REVISED -			SCALE: 1" = 50'	SHEET NO. 3 OF 4 SHEETS	STA. 10+00.00 TO STA.	CONTRACT NO. 88502				
							ILLINOIS FED. AID PROJECT					

MATCHLINE STA. 13+00
SHEET L7



LEGEND

-  EXISTING LIGHTING UNIT
-  EXISTING UNIT DUCT



L9

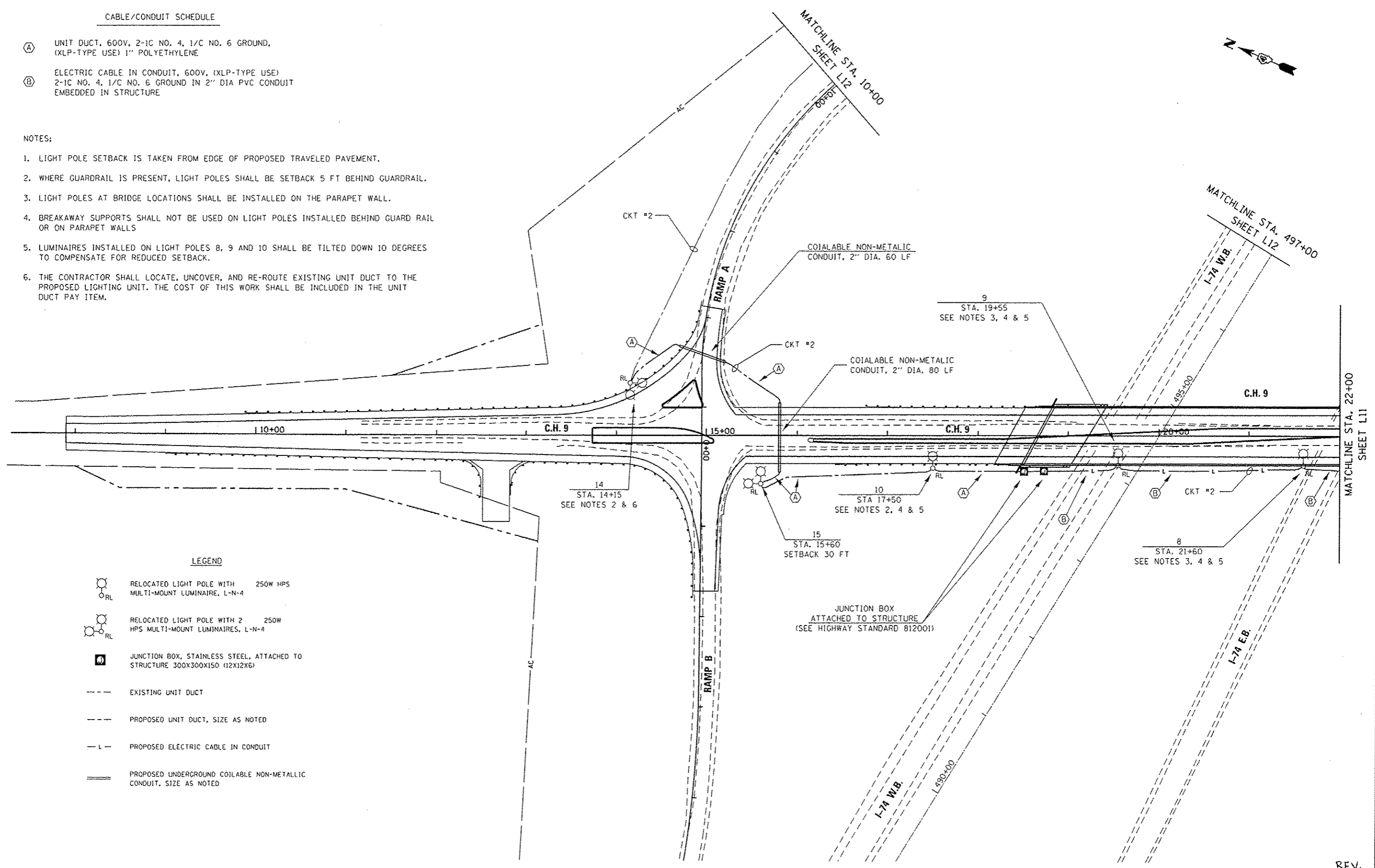
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	PLOT SCALE = 100.0162' / in.	CHECKED -	REVISED -					1400	(48-27HB-3)BY, BY-1	KNOX	220	99
PLOT DATE = 8/14/2015	DATE - 7/31/2015	REVISED -			SCALE: 1" = 50'	SHEET NO. 4 OF 4 SHEETS	STA. 13+00.00 TO STA.	CONTRACT NO. 88502				
							ILLINOIS FED. AID PROJECT					

CABLE/CONDUIT SCHEDULE

- (A) UNIT DUCT, 600V, 2-1C NO. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE) 1" POLYETHYLENE
- (B) ELECTRIC CABLE IN CONDUIT, 600V, (XLP-TYPE USE) 2-1C NO. 4, 1/C NO. 6 GROUND IN 2" DIA PVC CONDUIT EMBEDDED IN STRUCTURE

NOTES:

1. LIGHT POLE SETBACK IS TAKEN FROM EDGE OF PROPOSED TRAVELED PAVEMENT.
2. WHERE GUARDRAIL IS PRESENT, LIGHT POLES SHALL BE SETBACK 5 FT BEHIND GUARDRAIL.
3. LIGHT POLES AT BRIDGE LOCATIONS SHALL BE INSTALLED ON THE PARAPET WALL.
4. BREAKAWAY SUPPORTS SHALL NOT BE USED ON LIGHT POLES INSTALLED BEHIND GUARD RAIL OR ON PARAPET WALLS
5. LUMINAIRES INSTALLED ON LIGHT POLES 8, 9 AND 10 SHALL BE TILTED DOWN 10 DEGREES TO COMPENSATE FOR REDUCED SETBACK.
6. THE CONTRACTOR SHALL LOCATE, UNCOVER, AND RE-ROUTE EXISTING UNIT DUCT TO THE PROPOSED LIGHTING UNIT. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT DUCT PAY ITEM.



LEGEND

- RELOCATED LIGHT POLE WITH MULTI-MOUNT LUMINAIRE, L-N-4 250W HPS
- RELOCATED LIGHT POLE WITH 2 HPS MULTI-MOUNT LUMINAIRES, L-N-4 250W
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE 300X300X150 (12X12X6)
- EXISTING UNIT DUCT
- PROPOSED UNIT DUCT, SIZE AS NOTED
- PROPOSED ELECTRIC CABLE IN CONDUIT
- PROPOSED UNDERGROUND COILABLE NON-METALLIC CONDUIT, SIZE AS NOTED

REV.
L10

FILE NAME : #FILE#	USER NAME : jjs	DESIGNED - IDOT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED LIGHTING PLAN	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE : 1/8" = 100.0162' / 1" = 100'	DRAWN -	REVISED -			1400	(48-27HB-3)BY, BY-1	KNOX	220	100
PLOT DATE : 8/14/2015	CHECKED -	REVISED -	DATE : 7/31/2015	REVISED -	SCALE: 1" = 50'	SHEET NO. 1 OF 4 SHEETS	STA. 7+79.63 TO STA. 22+00.00	CONTRACT NO. 88502		
ILLINOIS FED. AID PROJECT										