

04-26-13 LETTING ITEM 113

FOR INDEX OF SHEETS, SEE SHEET NO. 2

HIGHWAY CLASSIFICATION
PRINCIPAL ARTERIAL

DESIGN DESIGNATION
3800(20) ARTERIAL 23.39 (PCC-20)

TRAFFIC DATA
CUMBERLAND AVENUE
2010 ADT = 45,500
2030 ADT = 47,000

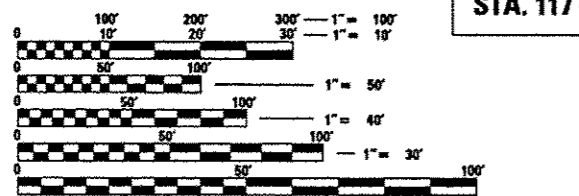
POSTED SPEED LIMIT = 35 MPH
DESIGN SPEED = 40 MPH

PROJECT DESCRIPTION

THE PROPOSED IMPROVEMENT CONSISTS OF THE RECONSTRUCTION, RESURFACING AND WIDENING OF CUMBERLAND AVENUE, BRIDGE REPLACEMENT, RETAINING WALLS, AND TRAFFIC SIGNAL MODERNIZATION.

RETAINING WALL
SN: 016-W004

PROJECT LOCATED IN THE CITY OF CHICAGO AND VILLAGE OF PARK RIDGE



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
DIGGER - CHICAGO UTILITY ALERT NETWORK
1-312-744-7000

DISTRICT 1 - DESIGN/CONSULTANT SERVICES SECTION
BRIAN KUTTAB (847) 705-4431

CONTRACT NO. 60J14

STATE OF ILLINOIS

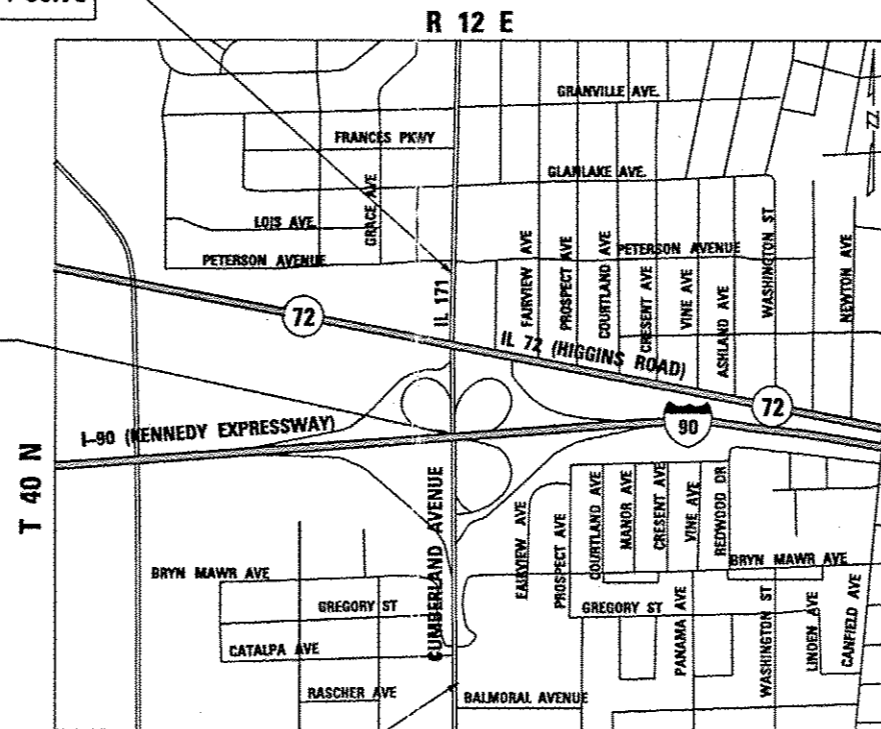
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED HIGHWAY

I-90 AT CUMBERLAND AVENUE (I-90) BRIDGE REPLACEMENT, INTERSECTION IMPROVEMENT, DRAINAGE, TRAFFIC SIGNALS, SURVEILLANCE, STORM SEWER JACKING, AND LIGHTING

SECTION 1616B
PROJECT NO. ACNHPP-0090(400)
COOK COUNTY
C-91-186-10

END PROJECT
STATION 132 + 00.73



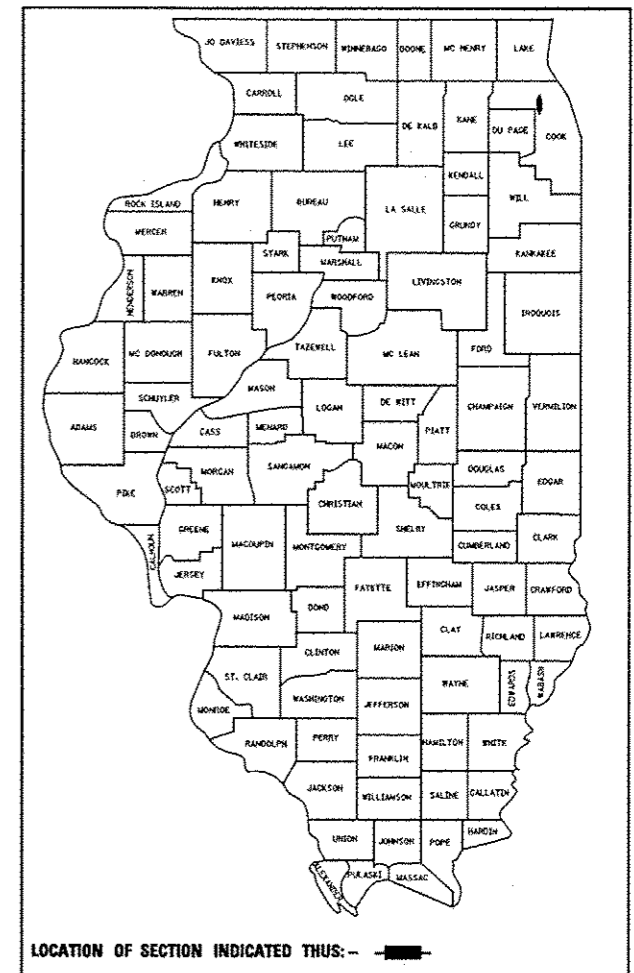
BEGIN PROJECT
STATION 94 + 99.21

LOCATION MAP
SCALE
1" = 1000'

GROSS LENGTH CUMBERLAND AVE = 3,701.52 FEET = 0.7 MILES
NET LENGTH CUMBERLAND AVE = 3,701.52 FEET = 0.7 MILES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	1
		ILLINOIS	CONTRACT NO. 60J14	

D-91-186-10



LOCATION OF SECTION INDICATED THIS: -

JARROD J. CEBULSKI, P.E.
062-050473
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
EXP. DATE: 11/30/13

ATALAY YARGOGLU, S.E.
081-005358
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
EXP. DATE: 11/30/14

RICHARD A. YOUNG, P.E.
062-054600
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
EXP. DATE: 11/30/13

PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
SUBMITTED December 5, 2012
John Fortmann, S.E.
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
March 22, 2013
John D. Baranzelli, P.E. J.D.B.
ENGINEER OF DESIGN AND ENVIRONMENT
March 22, 2013
Omer Osham, P.E. J.O.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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LIST OF STATE STANDARDS

000001 - 04	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
202001 - 01	EARTH MEDIAN DITCH CHECK
280001 - 07	TEMPORARY EROSION CONTROL SYSTEMS
420001 - 07	PAVEMENT JOINTS
420106 - 04	36' JOINTED PCC PAVEMENT
420111 - 03	PCC PAVEMENT ROUNDOUTS
420401 - 09	BRIDGE APPROACH PAVEMENT
424001 - 07	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011 - 01	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021 - 01	DEPRESSED CORNER FOR SIDEWALK
515001 - 03	NAME PLATE FOR BRIDGES
542301 - 03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542311 - 04	GRATING FOR CONCRETE FLARED END SECTION FOR 24" THRU 54" PIPE
602001 - 02	CATCH BASIN, TYPE A
602011 - 02	CATCH BASIN, TYPE C
602301 - 03	INLET, TYPE A
602401 - 03	MANHOLE, TYPE A
602601 - 02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701 - 02	MANHOLE STEPS
604001 - 03	FRAMES AND LIDS, TYPE 1
604046 - 02	FRAME AND GRATE TYPE 10
604091 - 02	FRAME AND GRATE TYPE 24
606001 - 04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606201 - 02	TYPE B GUTTER (INLET, OUTLET, & ENTRANCE)
606301 - 04	PC CONCRETE ISLANDS AND MEDIANS
606306 - 03	CORRUGATED PC CONCRETE MEDIANS
630001 - 10	STEEL PLATE BEAM GUARDRAIL
631026 - 06	TRAFFIC BARRIER TERMINAL, TYPE 5
631031 - 11	TRAFFIC BARRIER TERMINAL, TYPE 6
635006 - 03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011 - 02	REFLECTOR MARKER AND MOUNTING DETAILS
638001 - 02	GLARE SCREEN BLADES
701101 - 03	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701400 - 06	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701402 - 09	LANE CLOSURE FREEWAY/EXPRESSWAY WITH BARRIER
701411 - 08	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS \geq 45 MPH
701427 - 01	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION FOR SPEEDS \leq 40 MPH
701601 - 08	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606 - 08	URBAN LANE CLOSURE MULTILANE 2W WITH MOUNTABLE MEDIAN
701701 - 08	URBAN LANE CLOSURE, MULTILANE, INTERSECTION
701801 - 05	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901 - 02	TRAFFIC CONTROL DEVICES
704001 - 07	TEMPORARY CONCRETE BARRIER
720001 - 01	SIGN PANEL MOUNTING DETAILS
720006 - 03	SIGN PANEL ERECTION DETAILS
720011 - 01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
728001 - 01	TELESCOPING STEEL SIGN SUPPORT
729001 - 01	APPLICATION OF TYPE A AND B METAL POSTS (FOR SIGNS & MARKERS)
731001 - 01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
814001 - 02	HANDHOLES
814006 - 02	DOUBLE HANDHOLES
857001 - 01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001 - 01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001 - 02	TRAFFIC SIGNAL GROUNDING & BONDING
877001 - 05	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877002 - 02	STEEL MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
878001 - 09	CONCRETE FOUNDATION DETAILS
880001 - 01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006 - 01	TRAFFIC SIGNAL MOUNTING DETAILS
886001 - 01	DETECTOR LOOP INSTALLATIONS

PATRICK ENGINEERING	PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME : skoepen@dyg.Lisla	DESIGNED - CPK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS AND STATE STANDARDS	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		PLOT CONFIG : PDFIGray_Small1.plt	DRAWN - MJP	REVISED -			2746	1616B	COOK	404	2
		PLOT SCALE : 1:100	CHECKED - JAH	REVISED -	SCALE: NA	SHEET	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
		PLOT DATE : 3/23/2013 7:26:39 PM	DATE - 2/18/2013	REVISED -							

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)
- 10 FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS & GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE UTILITY COMPANIES.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED - ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL. ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR (4) WEIGHTED SANDBAGS PER BARRICADE.
- ALL STORM SEWER CONNECTIONS WITH PIPES 27 INCHES DIAMETER AND SMALLER SHALL BE MADE WITH PRECAST "TEE" OR "WYE" PIPES. FOR PROPOSED STORM SEWER PIPES LARGER THAN 27 INCHES DIAMETER, OPENINGS OF THE SPECIFIED DIAMETER SHALL BE MADE IN THE PIPE AT THE TIME IT IS MANUFACTURED. PRECAST "TEE" AND "WYE" PIPE CONNECTIONS FOR PROPOSED STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST FOR THE STORM SEWERS.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1-1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45MPH. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- THE COST OF MAKING ANY SEWER CONNECTIONS TO AN EXISTING DRAINAGE STRUCTURE OR PIPE SHALL BE INCLUDED IN THE COST OF THE NEW SEWER OR STRUCTURE.
- ANY ABANDONED UTILITY OR SEWER ENCOUNTERED DURING CONSTRUCTION OR ANY EXISTING UTILITY OR SEWER ABANDONED AS PART OF THE CONSTRUCTION THAT IS NOT BEING FILLED WITH CLSM AS PER PLAN, SHALL BE PLUGGED AS DIRECTED BY THE ENGINEER AND ABANDONED IN PLACE. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
- DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DUST AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
- CONTRACTOR SHALL MAINTAIN THE CONVEYANCE OF ALL FLOWS DURING CONSTRUCTION OF THIS PROJECT. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE AND PUBLIC DRAINS, SEWERS, CULVERTS, AND OTHER DRAINAGE FACILITIES. THE CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME THAT THE PERMANENT CONNECTIONS WITH SEWERS OR CULVERTS ARE BUILT AND IN SERVICE. THIS WORK WILL BE INCLUDED IN THE COST OF THE CONTRACT.

- THE ELEVATIONS SHOWN IN THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT OR SURFACE COURSE, UNLESS OTHERWISE INDICATED.
- ROADWAY WIDTHS AND RADII ARE GIVEN TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
- DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.**
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN IN THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK WILL BE AT THE CONTRACTOR'S EXPENSE.
- THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK CLEANUPS OR THAT IS PRE-QUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.
- THE CONCRETE GUTTER TRANSITION ON RAMP 6 SHALL BE INCLUDED IN THE COST OF CONCRETE GUTTER, TYPE B.**
- FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR JPC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLANS.
- PLAN DIMENSIONS AND DETAILS RELATIVE TO CTA TRACK ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY THE MINIMUM HORIZONTAL CLEARANCE DIMENSIONS FROM CENTERLINE OF TRACK TO THE FACE OF THE PROPOSED WALL PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. THE ALLOWABLE HORIZONTAL PERMANENT CLEARANCE SHALL BE 7'-2" MINIMUM FROM CENTERLINE OF TRACK TO EDGE OF PIER, AND THE ALLOWABLE HORIZONTAL TEMPORARY CLEARANCE DURING CONSTRUCTION SHALL BE 6'-1" FROM CENTERLINE OF TRACK TO EDGE OF PIER.

CITY OF CHICAGO

- ALL CATCH BASINS IN THE CITY OF CHICAGO MUST MEET THE DEPARTMENT OF SEWERS STANDARDS.
- PERMITS FROM THE DEPARTMENT OF SEWERS ARE REQUIRED FOR ALL UNDERGROUND STORM, UNDERGROUND STORM, SANITARY OR COMBINED SEWER SYSTEM CONSTRUCTION; AND FOR ALL WORK INVOLVING ADJUSTMENT OF SEWER STRUCTURES. THE DEPARTMENT OF SEWERS PERMIT MUST BE OBTAINED BY A LICENSED SEWER DRAIN LAYER PRIOR TO START OF CONSTRUCTION. THE LICENSED SEWER CONTRACTOR/SUBCONTRACTOR MUST SUBMIT TWO SETS OF PLANS APPROVED BY THE DEPARTMENT OF SEWERS FOR THE ISSUE OF SEWER PERMIT TO SUITE 410, 333 SOUTH STATE STREET, CHICAGO, IL 60604-3971. INSPECTION WILL BE PROVIDED BY THE DEPARTMENT OF SEWERS.
- IN CASE OF DAMAGE TO CITY OF CHICAGO SEWERS, PRIVATE AND PUBLIC DRAINS, SEWER STRUCTURES AND/OR BENCH MONUMENTS, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE DEPARTMENT OF SEWERS AT (312) 747-7892 OR (312) 747-7893.
- BENCH MONUMENT LOCATIONS WITHIN THE LIMITS OF THE IMPROVEMENT CAN BE FROM THE DEPARTMENT OF SEWERS AT 410, 333 SOUTH STATE STREET CHICAGO, IL 60604-3971. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF REPLACING ANY BENCH MONUMENT DAMAGED OR DESTROYED DURING CONSTRUCTION.
- SIDEWALK ACCESSIBILITY RAMPS SHALL NOT BE CONSTRUCTED DIRECTLY OVER EXISTING OR PROPOSED DRAINAGE STRUCTURES.
- ALL BROKEN, CRACKED, WORN OR OTHERWISE DAMAGED OR BICYCLE UNSAFE FRAMES BE REPLACED WITH NEW DEPARTMENT OF SEWERS STANDARD FRAMES AND GRATES OR LIDS. OLD FRAMES AND GRATES OR LIDS SHALL BE DELIVERED TO THE DEPARTMENT OF SEWERS AT 39TH STREET AND ASHLAND AVENUE.
- PERFORATED LIDS SHALL BE PLACED ON ALL MANHOLES AND CATCH BASINS.

- CITY OF CHICAGO WATER VALVE VAULTS AND SEWER STRUCTURES SHALL NOT BE CLOSED, COVERED OR OTHERWISE OBSTRUCTED DURING CONSTRUCTION WITHOUT WRITTEN PERMISSION FROM THE CITY OF CHICAGO DEPARTMENT OF WATER AND/OR DEPARTMENT OF SEWERS.
- CURB AND GUTTER CONSTRUCTION SHALL PROVIDE A MINIMUM CURB HEIGHT OF 75 MM (3")
- BACKFILL MATERIAL UNDER SIDEWALKS SHALL BE FA-2.
- THE CONTRACTOR IS RESPONSIBLE FOR THE ADEQUATE PROTECTION OF THE EXISTING SEWERS, DRAIN CONNECTIONS, SEWER STRUCTURES AND BENCH MONUMENTS DURING CONSTRUCTION OF NEW UTILITIES AND/OR ADJUSTMENTS TO EXISTING UTILITIES AND THE USE OF HEAVY EQUIPMENT WITHIN THE LIMITS OF THE PROJECT.
- MANHOLES, CATCH BASINS AND INLETS MUST BE PROTECTED FROM ENTRY OF ASPHALT/DEBRIS INTO THE SEWER SYSTEM DURING CONSTRUCTION. THE CONTRACTOR SHALL MARK LOCATIONS OF ALL SEWER STRUCTURES ON THE SIDEWALK BEFORE STARTING PAVEMENT REMOVAL/REPLACEMENT. ADJUSTMENT OF FRAMES AND LIDS OF SEWER STRUCTURES MUST BE COMPLETED PRIOR TO STREET RESURFACING.
- IN LOCATIONS WHERE THE MAIN SEWER IS NOT BEING REPLACED AND THE EXISTING DRAINAGE FACILITIES ARE DISTURBED OR DAMAGED DURING CONSTRUCTION BY THE CONTRACTOR, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO RESTORE AND REPLACE THE DAMAGED FACILITIES AT HIS/HER EXPENSE TO THE SATISFACTION OF THE DEPARTMENT OF SEWERS. THE SEWER FLOWS MUST BE MAINTAINED AT ALL TIMES.
- AS-BUILT PLANS MUST BE SUBMITTED SOON AFTER WORK COMPLETION. FINAL PAYMENT SHALL NOT BE MADE TO THE CONTRACTOR UNTIL THE DEPARTMENT OF SEWERS ACKNOWLEDGES RECEIPT OF AS-BUILT PLANS.
- THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ENGINEER AND KENNETH P. MARTIN OF THE CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION (312) 744-7863 TO REMOVE AND SALVAGE THE EXISTING PRE-CAST AND IRRIGATION COMPONENTS IN THE EXISTING LANDSCAPED AREAS SOUTH OF I-90. THE CONTRACTOR SHALL SALVAGE THE RPZ, VALVES, METERS, AND CONTROLLERS FOR THE CDOT IRRIGATION SYSTEM. PAYMENT FOR THE SALVAGE OF THE IRRIGATION SYSTEM SHALL BE INCLUDED IN THE PAY ITEM FOR MEDIAN REMOVAL (SPECIAL).**
- THE RESIDENT ENGINEER AND THE CONTRACTOR SHALL FIELD VERIFY THE CITY'S EXISTING SEWER FACILITIES INCLUDING PUBLIC AND PRIVATE DRAIN CONNECTIONS IN THE LIMITS OF THE REFERENCED PROJECTS FOR ANY CONFLICTS DUE TO THE PROPOSED IMPROVEMENTS. ANY CONFLICT SHOULD BE RESOLVED WITH THE DEPARTMENT OF WATER MANAGEMENT PRIOR TO START OF CONSTRUCTION.

CONTRACTOR SHALL MILL BEFORE PATCHING

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS	THICKNESS
PAVEMENT RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 mm)	4% @ 90 GYR	1-3/4"
POLYMERIZED LEVELING BINDER (MACHINE METHOD), (IL-4.75), N50	3.5% @ 50 GYR	3/4"
I-90 RAMP 6 AND BRYN MAWR SPUR RAMP		
STABILIZED SUBBASE HOT-MIX ASPHALT	2% @ 30 GYR	4-1/2"
SHOULDER RECONSTRUCTION		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm)	4% @ 70 GYR	1-1/2"
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	4% @ 70 GYR	4-1/2"
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19MM)	4% @ 90 GYR	10"
COMMERCIAL ENTRANCES		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm)	4% @ 50 GYR	2"
HOT-MIX ASPHALT BASE COURSE, (HMA BINDER IL-19mm)	4% @ 50 GYR	8"
TEMPORARY PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5mm)	4% @ 50 GYR	2"
TEMPORARY PAVEMENT (HMA BINDER IL-19mm)	4% @ 50 GYR	8"

THE UNIT WEIGHT TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ IN. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS. "P.C.C. TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS"; THE THICKNESS SHALL BE 10".

PATRICK ENGINEERING INC.
4070 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

USER NAME * kwoepfen@rdg.lislet
PLOT CONFIG * PDFIOreg_Small.plt
PLOT SCALE * 1:100
PLOT DATE * 2/10/2013 4:16:55 PM

DESIGNED - CPK
DRAWN - MJP
CHECKED - JAH
DATE - 2/18/2013

REVISED -
REVISED -
REVISED -
REVISED -


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES AND
MIXTURE REQUIREMENTS**

F.A.U. RTE. 2746	SECTION 1616B	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 3
60314				


SUMMARY OF QUANTITIES		UNIT	URBAN 90% FED. 10% STATE TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION			0003 RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDSCP	0040 RET. WALL
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	643	643				
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	193	193				
20200100	EARTH EXCAVATION	CU YD	17,360	17,360				
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	4,580	4,580				
20400800	FURNISHED EXCAVATION	CU YD	475	475				
20800150	TRENCH BACKFILL	CU YD	1,353	1,353				
* 21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	1,915	1,915				
* 21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	47,110				47,110	
* 21101805	COMPOST FURNISH AND PLACE, 2"	SQ YD	5,011				5,011	
* 25000312	SEEDING CLASS 4A	ACRE	1.1				1.1	
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	877				877	
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	877				877	

* SPECIALTY ITEM

 PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME * kwoppen@rdg.lisle PLOT CONFIG * PDFID-ry_Small.plt PLOT SCALE * 1:100 PLOT DATE * 2/18/2013 4:37:02 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		SUMMARY OF QUANTITIES				F.A.J. R.T.E. 2746	SECTION 1616B	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 4
	SCALE: NA		SHEET S00-01 OF 36		STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		60J14					

SUMMARY OF QUANTITIES			CONSTRUCTION CODE					
CODE NO.	ITEM DESCRIPTION	UNIT	90% FED. 10% STATE TOTAL	URBAN				
				0003 RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDSCP	0040 RET. WALL
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	877				877	
* 25100115	MULCH, METHOD 2	ACRE	9.9	9.9				
* 25100630	EROSION CONTROL BLANKET	SQ YD	348	348.0				
* 25200110	SODDING, SALT TOLERANT	SQ YD	47,110				47,110	
* 25200200	SUPPLEMENTAL WATERING	UNIT	707				707	
* 28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	24,516	24,516				
28000305	TEMPORARY DITCH CHECKS	FOOT	370	370				
28000400	PERIMETER EROSION BARRIER	FOOT	6,356	6,356				
28000510	INLET FILTERS	EACH	114	114				
28100107	STONE RIPRAP, CLASS A4	SQ YD	34	34				
28200200	FILTER FABRIC	SQ YD	34	34				
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	23,901	23,901				

• SPECIALTY ITEM

 PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME - koeppen@rdwy.lisle	DESIGNED - CPK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT CONFIG - PDF\Greg_Small.plt	DRAWN - MJJ	REVISED -					2746	1616B	COOK	404	5
	PLOT SCALE - 1/8"=1'	CHECKED - JAH	REVISED -					60J14				
	PLOT DATE - 2/18/2013 4:37:08 PM	DATE - 2/18/2013	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
SCALE: NA SHEET 000-02 OF 36 STA. TO STA.												

SUMMARY OF QUANTITIES		UNIT	TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION			RDWY	BRIDGE	SIGNALS LIGHTING	LNDSCP	RET. WALL
31200502	STABILIZED SUBBASE HOT-MIX ASPHALT, 4 1/2"	SQ YD	4,081	4,081				
35300410	PORTLAND CEMENT CONCRETE BASE COURSE 9 1/2"	SQ YD	4,010	4,010				
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	174	174				
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	9,308	9,308				
40600300	AGGREGATE (PRIME COAT)	TON	178	178				
40600400	MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS	TON	134	134				
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	1,840	1,840				
40600895	CONSTRUCTING TEST STRIP	EACH	2	2				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	229	229				
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	252	252				
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	4,942	4,942				
42000411	PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)	SQ YD	14,586	14,586				

URBAN
901-FED
101-STATE

• SPECIALTY ITEM



PATRICK ENGINEERING INC
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

USER NAME - tkoeppen(Rdwy.Lisls)	DESIGNED - CPK	REVISED -
PLOT CONFIG - PDF(Grey_Small).plt	DRAWN - MJP	REVISED -
PLOT SCALE - 1:1000	CHECKED - JAH	REVISED -
PLOT DATE - 2/18/2013 4:37:13 PM	DATE - 2/18/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION


SUMMARY OF QUANTITIES

SCALE: NA SHEET S00-03 OF 36 STA. TO STA.

F.A.U. RTE. 2746	SECTION 1616B	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 6
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			60J14	


SUMMARY OF QUANTITIES		UNIT	URBAN 90% FED. 10% STATE TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION			0003 RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDSCP	0040 RET. WALL
42001300	PROTECTIVE COAT	SQ YD	23,769	23,769				
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	174	174				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	37,376		37,376			
42400800	DETECTABLE WARNINGS	SQ FT	746		746			
44000100	PAVEMENT REMOVAL	SQ YD	15,032	15,032				
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	5,184	5,184				
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	41,574	41,574				
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	196	196				
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	8,548	8,548				
44000600	SIDEWALK REMOVAL	SQ FT	25,405	25,005	400			
44003100	MEDIAN REMOVAL	SQ FT	22,839	22,839				
44003510	MEDIAN REMOVAL, PARTIAL DEPTH	SQ FT	815	815				

• SPECIALTY ITEM

 PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME * kkooppen@dvj.lisle.il.gov PLOT CONFIG * PDF(Grey_Small).plt PLOT SCALE * 1:100 PLOT DATE * 2/18/2013 4:37:48 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		SUMMARY OF QUANTITIES				F.A.U. RTE. 2746	SECTION 1616B	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 7
					SCALE: NA	SHEET	S00-04 OF 36	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				


SUMMARY OF QUANTITIES		UNIT	URBAN 90% FED. 10% STATE TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION			0003 RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDSCP	0040 RET. WALL
44004000	PAVED DITCH REMOVAL	FOOT	665	665				
44004250	PAVED SHOULDER REMOVAL	SQ YD	1,943	1,943				
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	114	114				
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	2,063	2,063				
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	2		1			1
50104650	SLOPE WALL REMOVAL	SQ YD	831		831			
50157300	PROTECTIVE SHIELD	SQ YD	2,530		2,530			
50200100	STRUCTURE EXCAVATION	CU YD	5,295		4,206			1,089
50300225	CONCRETE STRUCTURES	CU YD	2,162.8		1,602.8			560.0
50300255	CONCRETE SUPERSTRUCTURE	CU YD	660.3		660.3			
50300260	BRIDGE DECK GROOVING	SQ YD	4,176		4,176			
50300280	CONCRETE ENCASEMENT	CU YD	14.0		14.0			

• SPECIALTY ITEM

 PATRICK ENGINEERING 4970 VARSITY DRIVE LISLE, IL 60532 630.944.8888 www.patrickengineering.com	USER NAME = vkooppen@dwg.Lisle	DESIGNED - CPK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.U. RTE. 2746	SECTION 1616B	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 8
	PLOT CONFIG = PDF (Grey, Small).plt	DRAWN - MJP	REVISED -		SCALE: NA	SHEET	S00-05 OF 36	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	60J14
	PLOT SCALE = 1:100	CHECKED - JAH	REVISED -									
	PLOT DATE = 2/18/2013 4:37:24 PM	DATE - 2/18/2013	REVISED -									


SUMMARY OF QUANTITIES		UNIT	URBAN 90% FED. 10% STATE TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION			0003 RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDSCP	0040 RET. WALL
50300300	PROTECTIVE COAT	SQ YD	5,641		5,369			272
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		1			
50500505	STUD SHEAR CONNECTORS	EACH	22,500		22,500			
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	657,380		610,570			46,810
50800515	BAR SPLICERS	EACH	2,834		2,834			
50800530	MECHANICAL SPLICERS	EACH	504		504			
50901730	BRIDGE FENCE RAILING	FOOT	645		645			
51100100	SLOPE WALL, 4"	SQ YD	562		562			
51201600	FURNISHING STEEL PILES, HP 12X53	FOOT	7,308		7,308			
51202305	DRIVING PILES	FOOT	7,308		7,308			
51203600	TEST PILE STEEL, HP 12X53	EACH	4		4			
51500100	NAME PLATES	EACH	1		1			

• SPECIALTY ITEM

 PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LESLIE, IL 60532 patrickengineering.com	USER NAME = kkooppen(Rdwg-L121e) PLOT CONFIG = PDF(Grey-Small).plt PLOT SCALE = 1:100 PLOT DATE = 2/18/2013 4:37:29 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.U. RTE. 2746	SECTION 1616B	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 9
	SCALE: NA	SHEET 500-06 OF 36	STA. TO STA.		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT	60J14						


SUMMARY OF QUANTITIES			UNIT	URBAN 90% FED. 10% STATE TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION	RDWY			0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDSCP	0040 RET. WALL	
51602000	PERMANENT CASING	FOOT	1,093		1,093				
* 51603000	DRILLED SHAFT IN SOIL	CU YD	389.5		389.5				
* 51604000	DRILLED SHAFT IN ROCK	CU YD	44.0		44.0				
52000110	PREFORMED JOINT STRIP SEAL	FOOT	282		282				
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	40		40				
52100520	ANCHOR BOLTS, 1"	EACH	80		80				
52100540	ANCHOR BOLTS, 1 1/2"	EACH	40		40				
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2	2					
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1	1					
54247090	GRATING FOR CONCRETE FLARED END SECTION 12"	EACH	2	2					
54247130	GRATING FOR CONCRETE FLARED END SECTION 24"	EACH	1	1					
550A0330	STORM SEWERS, CLASS A, TYPE 2 10"	FOOT	5	5					

• SPECIALTY ITEM

 PATRICK ENGINEERING INC. 4970 VARGITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = theoppan(Rdwj,Lisle) PLOT CONFIG = PDF(Grey_Small).plt PLOT SCALE = 1:100 PLOT DATE = 2/18/2013 4:37:35 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/16/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		SUMMARY OF QUANTITIES				F.A.U. RTE. 2746	SECTION 1616B	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 10 60J14
	SCALE: NA		SHEET 500-07 OF 36		STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

SUMMARY OF QUANTITIES		UNIT	URBAN 901.FED. 101.STATE TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION			0003 RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDSCP	0040 RET. WALL
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	2,521	2,521				
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	31	31				
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	89	89				
55100500	STORM SEWER REMOVAL 12"	FOOT	1,209	1,209				
55200200	STORM SEWER JACKED IN PLACE, 12"	FOOT	87	87				
56400100	FIRE HYDRANTS TO BE MOVED	EACH	1	1				
58700300	CONCRETE SEALER	SQ FT	12,025		12,025			
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	1,182		841			341
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	4	4				
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	1	1				
60107700	PIPE UNDERDRAINS 6"	FOOT	448	448				
60107800	PIPE UNDERDRAINS 8"	FOOT	213	213				

• SPECIALTY ITEM

 PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = kwoepfen@dwg.Lisle1 PLOT CONFIG = PDF(Grey_Small).plt PLOT SCALE = 1:100 PLOT DATE = 2/19/2013 4:37:48 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.U. RTE. 2746	SECTION 1616B	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 11
	SCALE: NA	SHEET 500-08 OF 36	STA. TO STA.		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	60J14					

SUMMARY OF QUANTITIES		UNIT	URBAN 90% FED. 10% STATE TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION			0003 RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDS CP	0040 RET. WALL
60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	77	77				
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	3	3				
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	1				
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	16	16				
60203905	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1				
60207805	CATCH BASINS, TYPE C, TYPE 10 FRAME AND GRATE	EACH	19	19				
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	4	4				
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4				
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	2	2				
60236200	INLETS, TYPE 1, TYPE 8 GRATE	EACH	1	1				
60236700	INLETS, TYPE A, TYPE 10 FRAME AND GRATE	EACH	1	1				
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	15	15				

• SPECIALTY ITEM

PATRICK ENGINEERING
 PATRICK ENGINEERING INC
 4970 VARSITY DRIVE
 LISLE, IL 60532
 patrickengineering.com

USER NAME = koeppen@rdwy.L121a
 PLOT CONFIG = PDF (Grey_Small).plt
 PLOT SCALE = 1:1000
 PLOT DATE = 2/18/2013 4:07:46 PM

DESIGNED - CPK
 DRAWN - MJP
 CHECKED - JAH
 DATE - 2/18/2013

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION


SUMMARY OF QUANTITIES

SCALE: NA SHEET 500-09 OF 36 STA. TO STA.

F.A.U. RTE. 2746	SECTION 1616B	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 12
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	


SUMMARY OF QUANTITIES		UNIT	URBAN 90% FED. 10% STATE TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION			0003 RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDSCP	0040 RET. WALL
60250200	CATCH BASINS TO BE ADJUSTED	EACH	16	16				
60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1	1				
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	5	5				
60255500	MANHOLES TO BE ADJUSTED	EACH	29	29				
60258200	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	6	6				
60260100	INLETS TO BE ADJUSTED	EACH	4	4				
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	4	4				
60404950	FRAMES AND GRATES, TYPE 24	EACH	4	4				
60406000	FRAMES AND GRATES, TYPE 1, OPEN LID	EACH	6	6				
60406100	FRAMES AND GRATES, TYPE 1, CLOSED LID	EACH	24	24				
60500040	REMOVING MANHOLES	EACH	29	29				
60500060	REMOVING INLETS	EACH	5	5				

• SPECIALTY ITEM

 PATRICK ENGINEERING INC 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = kjoepen@rdwy-lisle PLOT CONFIG = PDF10reg-5small.plt PLOT SCALE = 1:100 PLOT DATE = 2/18/2013 4:37:52 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		SUMMARY OF QUANTITIES				F.A.U. RTE. 2746	SECTION 1616B	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 13
					SCALE: NA	SHEET	S00-10 OF 36	STA.	TO STA.	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				


SUMMARY OF QUANTITIES		UNIT	CONSTRUCTION CODE					
CODE NO.	ITEM DESCRIPTION		URBAN 90% FED. 10% STATE TOTAL	0003 RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDSCP	0040 RET. WALL
60500070	REMOVING MANHOLES TO MAINTAIN FLOW	EACH	12	12				
60500090	REMOVING INLETS TO MAINTAIN FLOW	EACH	5	5				
60602800	CONCRETE GUTTER, TYPE B	FOOT	610.0	610.0				
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	4,371.0	4,371.0				
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	5,092.0	5,092.0				
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	73.0	73.0				
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	112.0	112.0				
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	7,947	7,947				
60619200	CONCRETE MEDIAN, TYPE SB-6.06	SQ FT	34	34				
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	9,825	9,825				
60624600	CORRUGATED MEDIAN	SQ FT	590	590				
* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	1,212.5			1,212.5		

* SPECIALTY ITEM

 PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = kroeppen@dwg.Lisite PLOT CONFIG = PDF (Gray_Small).plt PLOT SCALE = 1:180 PLOT DATE = 2/18/2013 4:37:58 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE = 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.U. RTE. 2746	SECTION 1616B	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 14
	SCALE: NA	SHEET S00-11 OF 36	STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	60J14						

SUMMARY OF QUANTITIES		UNIT	TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION			RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDSCP	0040 RET. WALL
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	4			4		
* 63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	2			2		
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2			2		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4			4		
63200310	GUARDRAIL REMOVAL	FOOT	1,057			1,057		
66400505	CHAIN LINK FENCE, 8'	FOOT	165	165				
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	20	20				
* 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1				
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2				
67100100	MOBILIZATION	L SUM	1	1				
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	487			487		
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	112			112		

* SPECIALTY ITEM

 PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME * kwoepfen@rdw.lisle PLOT CONFIG * PDFI@reg-small.plt PLOT SCALE * 1:100 PLOT DATE * 2/18/2013 4:38:03 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		SUMMARY OF QUANTITIES				F.A.J. RTE. 2746	SECTION 1616B	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 15
	SCALE: NA SHEET S00-12 OF 36 STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		60J14									

SUMMARY OF QUANTITIES		UNIT	CONSTRUCTION CODE					
CODE NO.	ITEM DESCRIPTION		TOTAL	RDWY	BRIDGE	SIGNALS LIGHTING	LNDSCP	RET. WALL
70300100	SHORT TERM PAVEMENT MARKING	FOOT	28,131	28,131				
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1,384	1,384				
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	42,860	42,860				
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	10,512	10,512				
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	341	341				
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	1,233	1,233				
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	57,250	57,250				
70400100	TEMPORARY CONCRETE BARRIER	FOOT	3,475.0	3,475.0				
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	6,237.5	6,237.5				
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	5	5				
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	8	8				
* 72000100	SIGN PANEL - TYPE 1	SQ FT	623		623			

URBAN
90% FED.
10% STATE

0003

* SPECIALTY ITEM

PATRICK ENGINEERING
PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

USER NAME = ckoppen@dy.Lisla
PLOT CONFIG = PDF(Dwg, Small).pl
PLOT SCALE = 1:100
PLOT DATE = 2/18/2013 4:38:09 PM

DESIGNED - CPK
DRAWN - MJP
CHECKED - JAH
DATE - 2/18/2013

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES


SCALE: NA SHEET 500-13 OF 36 STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	16
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			60J14	

SUMMARY OF QUANTITIES		UNIT	CONSTRUCTION CODE					
CODE NO.	ITEM DESCRIPTION		90% FED. 10% STATE TOTAL	0003 RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDSCP	0040 RET. WALL
* 72000200	SIGN PANEL - TYPE 2	SQ FT	155			155		
* 72000300	SIGN PANEL - TYPE 3	SQ FT	910			910		
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	768			768		
* 73000100	WOOD SIGN SUPPORT	FOOT	32			32		
* 73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	67			67		
* 73304000	OVERHEAD SIGN STRUCTURE-BRIDGE MOUNTED	FOOT	62			62		
* 73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	7.1			7.1		
* 73602000	REMOVE OVERHEAD SIGN STRUCTURE- BRIDGE MOUNTED	EACH	3			3		
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	2,475	2,475				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	26,006	26,006				
* 78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	3,398	3,398				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	14,117	14,117				


URBAN

* SPECIALTY ITEM

 PATRICK ENGINEERING INC 4070 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = kwoepfen@dwg-lisle PLOT CONFIG = PDFI@reg-small.plt PLOT SCALE = 1:100 PLOT DATE = 2/18/2013 4:38:15 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.U. RTE. 2746	SECTION 1616B	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 17
	SCALE: NA	SHEET 500-14 OF 36	STA. TO STA.		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	60J14					

SUMMARY OF QUANTITIES			CONSTRUCTION CODE					
CODE NO.	ITEM DESCRIPTION	UNIT	URBAN 90% FED. 10% STATE TOTAL	CONSTRUCTION CODE				
				0003 RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDSCP	0040 RET. WALL
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	5,529	5,529				
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2,049	2,049				
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1,304	1,304				
* 78005100	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1,456	1,456				
* 78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	15,275	15,275				
* 78005130	EPOXY PAVEMENT MARKING - LINE 6"	FOOT	8,855	8,855				
* 78005150	EPOXY PAVEMENT MARKING - LINE 12"	FOOT	1,090	1,090				
* 78005180	EPOXY PAVEMENT MARKING - LINE 24"	FOOT	772	772				
* 78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	474	474				
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	982	982				
* 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	2,445	2,445				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	847	847				

* SPECIALTY ITEM


 PATRICK ENGINEERING 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME * kwoopen(Rdwg_Lisle) PLOT CONFIG * PDFtoReg_Small.plt PLOT SCALE * 1:100 PLOT DATE * 2/18/2013 4:36:22 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.U. RTE. 2746 SECTION 1616B COUNTY COOK ILLINOIS FED. AID PROJECT	TOTAL SHEETS 404 SHEET NO. 18 60J14
	SCALE: NA SHEET S00-15 OF 36 STA. TO STA.				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
	O:\100T\21050_036_CumberlandAve\Drawings\CADD Sheets\0160J14-500_01.dgn								

SUMMARY OF QUANTITIES		UNIT	TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION			RDWY	BRIDGE	SIGNALS LIGHTING	LNDSCP	RET. WALL
* 78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	30	30				
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	25			25		
* 78200530	BARRIER WALL MARKERS, TYPE C	EACH	278	278				
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4			4		
78300100	PAVEMENT MARKING REMOVAL	SQ FT	41,879	41,879				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	877	877				
* 80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1			1		
* 80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	3			3		
* 81100605	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL	FOOT	1,112			1,112		
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	11,700			11,700		
* 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	357			357		
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	4,618			4,618		

URBAN
90% FED.
10% STATE

0003


* SPECIALTY ITEM

 PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME * kkoopan@rdwy.lisle.il.gov PLOT CONFIG * PDF0reg_Small.plt PLOT SCALE * 1:100 PLOT DATE * 2/19/2013 4:38:30 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES SCALE: NA SHEET 500-16 OF 36 STA. TO STA.	F.A.U. RYE. 2746 SECTION 1616B COUNTY COOK FEDERAL ROAD DIST. NO. ILLINOIS FED. AID PROJECT	TOTAL SHEETS 404 SHEET NO. 19 60J14
	0:\1001\21850_086_CumberlandAve\Drawings\CADD_Sheets\0160J14-S00_RI.dgn						

SUMMARY OF QUANTITIES		UNIT	TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION			0003 RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDSCP	0040 RET. WALL
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	2,016			2,016		
* 81028350	UNDERGROUND CONDUIT, PVC, 2" DIA	FOOT	2,852			2,852		
* 81028370	UNDERGROUND CONDUIT, PVC, 3" DIA	FOOT	1,856			1,856		
* 81100320	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	1,350			1,350		
* 81100705	CONDUIT ATTACHED TO STRUCTURE, 2 1/2" DIA., PVC COATED GALVANIZED STEEL	FOOT	1,335			1,335		
* 81100805	CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL	FOOT	30			30		
* 81101005	CONDUIT ATTACHED TO STRUCTURE, 4" DIA., PVC COATED GALVANIZED STEEL	FOOT	267	267				
* 81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC	FOOT	1,185			1,185		
* 81300220	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	16			16		
* 81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	20			20		
* 81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	4			4		
* 81300730	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 16" X 14" X 6"	EACH	2			2		


URBAN
90% FED.
10% STATE

• SPECIALTY ITEM

 PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = tkoeppe@rdwy.lisle.il.gov PLOT CONFIG = PDF0Gray_Small.plt PLOT SCALE = 1:1000 PLOT DATE = 2/18/2013 4:38:07 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.U. RTE. 2746	SECTION 1616B	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 20
	SCALE: NA	SHEET 500-17 OF 36	STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	60,114						


SUMMARY OF QUANTITIES		UNIT	URBAN 70% FED. 10% STATE TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION			RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDSCP	0040 RET. WALL
* 81400100	HANDHOLE	EACH	26			26		
* 81400200	HEAVY-DUTY HANDHOLE	EACH	43			43		
* 81400300	DOUBLE HANDHOLE	EACH	7			7		
* 81603080	UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	28,828			28,828		
* 81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	5,341			5,341		
* 81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	1,074			1,074		
* 81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	3,222			3,222		
* 81702220	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C 350MCM	FOOT	1,275			1,275		
* 81800300	AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	6,663			6,663		
* 82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	7			7		
* 82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	48			48		
* 82107200	UNDERPASS LUMINAIRE, 100 WATT, HIGH PRESSURE SODIUM VAPOR	EACH	16			16		

• SPECIALTY ITEM

 PATRICK ENGINEERING 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = kcooper@dyg.Ltalco PLOT CONFIG = PDF(Grey_Small).plt PLOT SCALE = 1:1000 PLOT DATE = 2/18/2013 4:38:43 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.U. RTE. 2746	SECTION 1616B	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 21
	SCALE: NA	SHEET 000-18 OF 36	STA. TO STA.		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	60J14					


SUMMARY OF QUANTITIES		UNIT	URBAN 90% FED. 10% STATE TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION			0003 RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDS CP	0040 RET. WALL
* 83050760	LIGHT POLE ALUMINUM, 47.5 FT. M.H., 8 FT. MAST ARM	EACH	23			23		
* 83050770	LIGHT POLE ALUMINUM, 47.5 FT. M.H., 10 FT., MAST ARM	EACH	11			11		
* 83057355	LIGHT POLE WOOD, 60 FOOT, CLASS 4, WITH 15 FT MAST ARM	EACH	7			7		
* 83057475	LIGHT POLE WOOD, 90 FOOT, CLASS 3, WITH 15 FT MAST ARM	EACH	4			4		
* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	352			352		
* 83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	25			25		
* 84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	18			18		
* 84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	34			34		
* 84200804	REMOVAL OF POLE FOUNDATION	EACH	37			37		
* 84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	19			19		
* 84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1			1		
* 84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	2			2		

• SPECIALTY ITEM

 PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 pat@patrickengineering.com	USER NAME = kwoepfen@dyg.lisle PLOT CONFIG = PDF Gray_Small plt PLOT SCALE = 1:100 PLOT DATE = 2/18/2013 4:36:49 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F-AJ RTE 2746	SECTION 1616B	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 22
	SCALE: NA SHEET S00-19 OF 36 STA. TO STA.				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				60J14				


SUMMARY OF QUANTITIES		UNIT	URBAN 90% FED. 10% STATE TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION			0003 RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDSCP	0040 RET. WALL
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1			1		
* 86000300	MASTER CONTROLLER IN TYPE V CABINET	EACH	1			1		
* 86400100	TRANSCEIVER - FIBER OPTIC	EACH	4			4		
* 87000885	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (XLP-TYPE TC) 2/C NO. 6 AND NO. 8	FOOT	4,096			4,096		
* 87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	7,639			7,639		
* 87301125	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 12 3/C	FOOT	80			80		
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	3,401			3,401		
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3,402			3,402		
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	9,319			9,319		
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	4,637			4,637		
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	14,605			14,605		
* 87301727	ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 19 6C	FOOT	3,566			3,566		

* SPECIALTY ITEM

 PATRICK ENGINEERING INC 4970 VARSITY DRIVE LISLE, IL 60532 patrickengr.com	USER NAME = kkooppen@rdwy.lisle PLOT CONFIG = PDFI@reg_3m011.plt PLOT SCALE = 1/16"=1' PLOT DATE = 2/18/2013 4:30:54 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		SUMMARY OF QUANTITIES		F.A.U. RTE. 2746	SECTION 1616B	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 23
	SCALE: NA SHEET 500-20 OF 36 STA. TO STA.				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		60J14					


SUMMARY OF QUANTITIES		UNIT	URBAN 90% FED 10% STATE TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION			0003 RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDSCP	0040 RET. WALL
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2C	FOOT	329			329		
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	3,443			3,443		
* 87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2			2		
* 87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	10			10		
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4			4		
* 87502710	TRAFFIC SIGNAL POST, ALUMINUM 17 FT.	EACH	15			15		
* 87700130	STEEL MAST ARM ASSEMBLY AND POLE, 18 FT.	EACH	1			1		
* 87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	2			2		
* 87700180	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1			1		
* 87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	2			2		
* 87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1			1		
* 87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1			1		

• SPECIALTY ITEM

 PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = koeppentRdwg.Lisa PLOT CONFIG = PDF0reg_Small.plt PLOT SCALE = 1:1000 PLOT DATE = 2/18/2013 4:37:00 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		SUMMARY OF QUANTITIES		F.A.U. RTE. 2746	SECTION 1616B	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 24
	SCALE: NA SHEET 500-21 OF 36 STA. TO STA.				FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT		60J14					


SUMMARY OF QUANTITIES		UNIT	URBAN 90% FED. 10% STATE TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION			0003 RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDSCP	0040 RET. WALL
* 87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1			1		
* 87702850	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 24 FT.	EACH	2			2		
* 87702880	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1			1		
* 87702890	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT.	EACH	1			1		
* 87702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1			1		
* 87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1			1		
* 87703040	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 62 FT.	EACH	1			1		
* 87703080	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 68 FT.	EACH	1			1		
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	74			74		
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	16			16		
* 87800200	CONCRETE FOUNDATION, TYPE D	FOOT	12			12		
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	40			40		

• SPECIALTY ITEM

 PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = kkoepfen@deg.Lisle PLOT CONFIG = PDF(Grey,Small).plt PLOT SCALE = 1:1000 PLOT DATE = 2/10/2013 4:39:05 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		SUMMARY OF QUANTITIES				F.A.U. RTE. 2746	SECTION 1616B	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 25
	SCALE: NA		SHEET 500-22 OF 36		STA. TO STA.		FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		60J14			


SUMMARY OF QUANTITIES		UNIT	URBAN 90% FED. 10% STATE TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION			0003 RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDSCP	0040 RET. WALL
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	127			127		
* 87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	46			46		
* 87900200	DRILL EXISTING HANDHOLE	EACH	28			28		
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	29			29		
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	11			11		
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4			4		
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	15			15		
* 88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1			1		
* 88030310	SIGNAL HEAD, LED, 3-FACE, 3 SECTION, BRACKET MOUNTED	EACH	1			1		
* 88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	16			16		
* 88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	24			24		
* 88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	3			3		

* SPECIALTY ITEM

 PATRICK ENGINEERING PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME * theppen@dwg.Lisa PLOT CONFIG * PDF(Cray_Small).plt PLOT SCALE * 1/100 PLOT DATE * 2/18/2013 4:39:11 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.U. RTE. 2746	SECTION 1616B	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 26
	SCALE: NA	SHEET 500-23 OF 36	STA.		TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT 60J14							


SUMMARY OF QUANTITIES		UNIT	URBAN 90% FED. 10% STATE TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION			0003 RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDSCP	0040 RET. WALL
* 88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	3			3		
* 88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	7			7		
* 88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4			4		
* 88055160	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	2			2		
* 88055165	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2			2		
* 88055170	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2			2		
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	12			12		
* 88102757	PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2			2		
* 88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	28			28		
* 88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	44			44		
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	50			50		
* 88600100	DETECTOR LOOP, TYPE I	FOOT	2,717			2,717		

• SPECIALTY ITEM

 PATRICK ENGINEERING 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME * kwoopani@rdwy.lisle.il.gov PLOT CONFIG * PDFtoGray_Small.plt PLOT SCALE * 1:100 PLOT DATE * 2/18/2013 4:09:06 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.U. RTE. 2746 SECTION 1616B COUNTY COOK TOTAL SHEETS 404 SHEET NO. 27 60J14
	SCALE: NA SHEET 500-24 OF 36 STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						


SUMMARY OF QUANTITIES		UNIT	URBAN 90% FED. 10% STATE TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION			0003 RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDS CP	0040 RET. WALL
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	18			18		
* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	6			6		
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	22,164			22,164		
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3			3		
* 89502380	REMOVE EXISTING HANDHOLE	EACH	43			43		
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	51			51		
* X8730312	ELECTRIC CABLE IN CONDUIT, NO. 18 4/C, TWISTED, SHIELDED LEAD-IN	FOOT	3,267			3,267		
X0322400	PILE EXTRACTION	EACH	96		96			
* X0322441	DIGITAL LOOP DETECTOR SENSOR UNIT (4 CHANNEL)	EACH	7			7		
* X0322442	TONE EQUIPMENT 3 FREQUENCY PROGRAMMABLE RECEIVER	EACH	32			32		
* X0322443	TONE EQUIPMENT 3 FREQUENCY PROGRAMMABLE TRANSMITTER	EACH	32			32		
* X0322444	TONE EQUIPMENT - POWER SUPPLY	EACH	8			8		

* SPECIALTY ITEM

 PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME * kkoepfen@rdwy.lisle1 PLOT CONFIG * PDFtoGray_Small.plt PLOT SCALE * 1:100 PLOT DATE * 2/18/2013 4:39:22 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.J. RTE. 2746	SECTION 16168	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 28
	SCALE: NA	SHEET SQ-25 OF 36	STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	60J14						

SUMMARY OF QUANTITIES		UNIT	URBAN ADJ. FED. 10% STATE TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION			0003 RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDSCP	0040 RET. WALL
* X0322445	TONE EQUIPMENT MOUNTING FRAME	EACH	4			4		
* X0322446	CABINET HOUSING EQUIPMENT, TYPE III	EACH	4			4		
* X0322689	POLE, STEEL, ANCHOR BASE, 10" DIA., 7-GAUGE, 34'-6"	EACH	3			3		
* X0322690	POLE, STEEL, ANCHOR BASE, 10" DIA., 3-GAUGE, 34'-6"	EACH	3			3		
* X0322713	FLASHING BEACON, BRACKET MOUNTED	EACH	2			2		
* 81028730	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	355			355		
X0323160	VIDEO INSPECTION OF STORM SEWER	FOOT	12,221	12,221				
* X0324571	MAINTENANCE OF STREET LIGHTING SYSTEM (CITY OF CHICAGO)	L SUM	1			1		
* X0326326	CABLE IN CONDUIT, TRIPLEX, 2-1/C NO. 6 AND 1-1/C NO. 8 GROUND	FOOT	5,266			5,266		
X0326401	BARRIER WALL REMOVAL	FOOT	185		185			
* X0326451	VIDEO SYSTEM DETECTION CAMERA	EACH	12			12		
X0326694	PLUG EXISTING STORM SEWERS	CU YD	1	1				


* SPECIALTY ITEM

 PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = kwoopen@rdg.lisle PLOT CONFIG = PDF Gray_Small p1t PLOT SCALE = 1/8"=1'-0" PLOT DATE = 2/18/2013 4:39:27 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.U. RTE. 2746 SECTION 1616B COUNTY COOK FEDERAL DIST. NO. ILLINOIS FED. AID PROJECT	TOTAL SHEETS 404 SHEET NO. 29 60J14
	SCALE: NA SHEET 500-26 OF 36 STA. TO STA.		Rev.						

SUMMARY OF QUANTITIES		UNIT	CONSTRUCTION CODE					
CODE NO.	ITEM DESCRIPTION		TOTAL	0003 RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDSCP	0040 RET. WALL
* X0326968	JUNCTION BOX, POLE OR POST MOUNTED	EACH	33			33		
* X0327392	WOOD POLE, 60 FT., CLASS 4	EACH	9			9		
X2020502	BRACED EXCAVATION	CU YD	87		87			
X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	1,274		1,047			227
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	200	200				
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	3	3				
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	5	5				
X4023000	TEMPORARY ACCESS (ROAD)	EACH	1	1				
X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	1,521	1,521				
X4403700	MEDIAN REMOVAL (SPECIAL)	SQ FT	6,048	6,048				
X5030272	BRIDGE DECK (SHRINKAGE REDUCING ADMIXTURE)	CU YD	966.6		966.6			
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	57	57				

LRBON
907. FED.
10/STATE
TOTAL


• SPECIALTY ITEM

 PATRICK ENGINEERING INC 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = kwoepen@dwg.lisle PLOT CONFIG = PDF(Gray_Small).plt PLOT SCALE = 1:100 PLOT DATE = 2/18/2013 4:39:32 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.U. RTE. 2746	SECTION 1616B	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 30
	SCALE: NA SHEET 500-27 OF 36 STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT 60J14									

SUMMARY OF QUANTITIES		UNIT	URBAN 90% FED. 10% STATE TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION			0003 RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDSCP	0040 RET. WALL
X6370050	CONCRETE BARRIER WALL (SPECIAL)	FOOT	47		47			
X6643100	CHAIN LINK FENCE GATES, 28 INCH	EACH	2	2				
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	18	18				
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1				
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1				
X7030025	WET REFLECTIVE TEMPORARY TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	1,384	1,384				
X7030030	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4 INCH	FOOT	75,835	75,835				
X7030035	WET REFLECTIVE TEMPORARY TAPE TYPE III, 5 INCH	FOOT	2,964	2,964				
X7030040	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 6 INCH	FOOT	8,790	8,790				
X7030045	WET REFLECTIVE TEMPORARY TAPE TYPE III, 8 INCH	FOOT	3,320	3,320				
X7030050	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 12 INCH	FOOT	943	943				
X7030055	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 24 INCH	FOOT	758	758				


• SPECIALTY ITEM

NOTE: ALL FUNDING IS 80% FEDERAL / 20% STATE

 PATRICK ENGINEERING 4670 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = tkoppen@idg.Lisle PLOT CONFIG = PDF(Gray_Small).p1s PLOT SCALE = 1/8"=1'-0" PLOT DATE = 2/18/2013 4:39:38 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	P.A.U. RTE. 2746 SECTION 1616B COUNTY COOK TOTAL SHEETS 404 SHEET NO. 31	ILLINOIS FED. AID PROJECT 60J14
	SCALE: NA SHEET 500-28 OF 36 STA. TO STA.	FED. ROAD DIST. NO.					


SUMMARY OF QUANTITIES		UNIT	URBAN 90% FED. 10% STATE TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION			0003	0010	0021	0031	0040
				RDWY	BRIDGE	SIGNALS LIGHTING	LNDSCP	RET. WALL
* X7330310	OVERHEAD SIGN STRUCTURE - SPAN, DUAL MONOTUBE	FOOT	42			42		
* X8040100	ELECTRIC CONNNECTION TO SIGN STRUCTURE	EACH	1			1		
* X8040310	ELECTRIC SERVICE DISCONNECT	EACH	1			1		
* X8210055	FLUORESCENT LUMINAIRE FOR SIGN LIGHTING	EACH	4			4		
* X8251388	LIGHTING CONTROLLER, BASE MOUNTED, 480 VOLT, 200 AMP (DUAL), RADIO SCADA	EACH	1			1		
* X8850102	INDUCTION LOOP	FOOT	468			468		
* X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	3			3		
* X8570231	FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	1			1		
* X8620200	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	4			4		
* X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	6,663			6,663		
* X8800101	PEDESTRIAN PUSH-BUTTON, SPECIAL	EACH	11			11		
* X8950077	REMOVE AND RELOCATE EXISTING LIGHTING CONTROLLER	EACH	2			2		

* SPECIALTY ITEM

 PATRICK ENGINEERING INC 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME * koeppen@rdwy.lisle PLOT CONFIG * PDF0reg_Small.plt PLOT SCALE * 1:100 PLOT DATE * 2/18/2013 4:39:43 PM	DESIGNED - CPK DRAWN - NJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		SUMMARY OF QUANTITIES			F.A.U. R.T.E. 2746	SECTION 1616B	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 32
	SCALE: NA SHEET 500-29 OF 36 STA. TO STA.				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				60314				

SUMMARY OF QUANTITIES		UNIT	LIRBAN 90% FED. 10% STATE TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION			0003 RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDSCP	0040 RET. WALL
Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	436	436				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1				
Z0018004	DRAINAGE SCUPPERS, DS-12	EACH	10		10			
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	58	58				
Z0018800	DRAINAGE SYSTEM	L SUM	1		1			
Z0021904	SILICONE JOINT SEALER, 1"	FOOT	335		335			
Z0026407	TEMPORARY SHEET PILING	SQ FT	1,248		1,248			
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	982	982				
* Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	55		55			
* Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	16		16			
* Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	2		2			
* Z0033050	COAXIAL CABLE IN CONDUIT	FOOT	2,471		2,471			


* SPECIALTY ITEM

 PATRICK ENGINEERING 4870 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = tkooppen@rdwy.lisile PLOT CONFIG = PDF (Gray, Small).plt PLOT SCALE = 1:100 PLOT DATE = 2/18/2013 4:37:48 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.U. RTE. 2746	SECTION 1616B	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 33
	SCALE: NA	SHEET 500-30 OF 36	STA. TO STA.		ILLINOIS FED. AID PROJECT 60J14							

SUMMARY OF QUANTITIES		UNIT	CONSTRUCTION CODE					
CODE NO.	ITEM DESCRIPTION		URBAN 90% FED 10% STATE TOTAL	0003 RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDSCP	0040 RET. WALL
Z0042300	PORTLAND CEMENT CONCRETE SIDEWALK CURB	FOOT	762	762				
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES, 4"	FOOT	1,050		430			620
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1				
Z0056606	STORM SEWER (WATER MAIN REQUIREMENTS) 10 INCH	FOOT	26	26				
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	157	157				
Z0062456	TEMPORARY PAVEMENT	SQ YD	3,150	3,150				
Z0073002	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	1,908		1,908			
* Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	3		3			
Z0076600	TRAINEES	HOUR	0	0				
* A2000320	TREE, ACER MIYABEI MORTON (STATE MIYABE MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED STREET	EACH	3				3	
* A2012116	TREE, AESCULUS X AUTUMN SPLENDOR (AUTUMN SPLENDORBUCKEYE), 2" CALIPER, BALLED AND BURLAPPED	EACH	1				1	
* A2002920	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	3				3	


• SPECIALTY ITEM

NOTE: ALL FUNDING IS 80% FEDERAL / 20% STATE

 PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME * ksoepent@dy.lisle	DESIGNED - CPK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.U. RTE. 2746	SECTION 1616B	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 34
	PLOT CONFIG = PDF/Gray_Small.plt	DRAWN - MJP	REVISED -		CHECKED - JAH	REVISED -	SCALE: NA	SHEET 500-31 OF 36	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	60J14
PLOT SCALE = 1:188	PLOT DATE = 2/18/2013 4:39:55 PM	DATE = 2/18/2013	REVISED -									


SUMMARY OF QUANTITIES		UNIT	URBAN 90% FED. 10% STATE TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION			0003 RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDSCP	0040 RET. WALL
* A2005020	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	3				3	
* A2006520	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	6				6	
* A2006572	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 9' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	6				6	
X6020270	MANHOLE, TYPE B, TYPE 1 FRAME, CLOSE LID (CITY OF CHICAGO) 4' DIA.	EACH	1	1				
* X0370046	ELECTRIC CABLE IN CONDUIT NO 2 3/C (CDOT)	FOOT	776			776		
* X0370047	INSTALL LIGHT POLE, MAST ARM, AND LUMINAIRE (CHICAGO)	EACH	7			7		
* XB440116	RELOCATE EXISTING LIGHTING UNIT, SPECIAL	EACH	10			10		
* X0370048	SERVICE INSTALLATION, 200 AMPERE (CDOT)	EACH	2			2		
* X0370049	UNDERGROUND CONDUIT, PVC, 2" DIA., SCHEDULE 80 (CDOT)	FOOT	96			96		
* X8301040	MAST ARM, ALUMINUM, 10 FT.	EACH	8			8		
* X8301042	MAST ARM, ALUMINUM, 12 FT.	EACH	2			2		
* X0327586	REMOVE AND REPLACE FUSE KIT	EACH	92			92		

* SPECIALTY ITEM

 PATRICK ENGINEERING INC 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = tkoepfani@eng.lisle PLOT CONFIG = PDFtoGray_Small.plt PLOT SCALE = 1:1000 PLOT DATE = 2/18/2013 4:40:00 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		SUMMARY OF QUANTITIES			F.A.U. RTE. 2746	SECTION 1616B	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 35
	SCALE: NA SHEET 500-32 OF 36 STA. TO STA.				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				60J14				


SUMMARY OF QUANTITIES		UNIT	URBAN 90% FED. 10% STATE TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION			0003 RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDSCP	0040 RET. WALL
	<i>ADVANCED TRANSPORTATION</i>							
X0370050	CONTROLLER, TRAFFIC, 16 LOAD BAY, "P" CABINET (CDOT)	EACH	4			4		
X0370010	COAXIAL JUMPER CABLE (CDOT)	EACH	4			4		
X0370013	CONCRETE FOUNDATION FOR TYPE "P" BASE MOUNTED TRAFFIC SIGNAL CONTROLLER (CDOT)	EACH	4			4		
X0370014	CONCRETE FOUNDATION, 20" DIAMETER, 3/4" ANCHOR RODS, 13" BOLT CIRCLE (CDOT)	EACH	1			1		
X0370068	CONCRETE FOUNDATION, 24" DIAMETER, 1 1/4" ANCHOR RODS, 15" BOLT CIRCLE (CDOT)	EACH	1			1		
X0370015	CONCRETE FOUNDATION, 30" DIAMETER, 1 1/2" ANCHOR RODS, 16 1/2" BOLT CIRCLE (CDOT)	EACH	1			1		
X0370016	CONCRETE FOUNDATION, 30" DIAMETER, 1 1/4" ANCHOR RODS, 17 1/4" BOLT CIRCLE (CDOT)	EACH	1			1		
X0370051	CUT OFF POLE AND INSTALL CAP (CDOT)	EACH	1			1		
X0370018	ELECTRIC CABLE IN CONDUIT NO. 14 19/C (CDOT)	FOOT	5,288			5,288		
X0370052	ELECTRIC CABLE IN CONDUIT NO. 4 2/C (CDOT)	FOOT	577			577		
X0370053	ELECTRIC CABLE NO. 14 3/C, SHIELDED (CDOT)	FOOT	2,471			2,471		
X0370021	ELECTRICAL HANDHOLE, 30", 24" FRAME AND LID (CDOT)	EACH	4			4		

* SPECIALTY ITEM

 PATRICK ENGINEERING INC 4970 VARSITY DRIVE LISLE, IL 60532 pat@patrickengineering.com	USER NAME = kjoepen@dwg.Lisle1 PLOT CONFIG = PDFtoGray_Small.plt PLOT SCALE = 1:100 PLOT DATE = 2/18/2013 4:48:05 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.U. RTE. 2746	SECTION 1616B	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 36
	SCALE: NA	SHEET 500-33 OF 36	STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	60J14						

SUMMARY OF QUANTITIES		UNIT	URBAN 90% FED. 10% STATE TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION			0003 RDWY	0010 BRIDGE	0021 SIGNALS LIGHTING	0031 LNDSCP	0040 RET. WALL
* X0370022	ELECTRICAL HANDHOLE, 36", 24" FRAME AND LID (CDOT)	EACH	9			9		
* X0370023	ELECTRICAL MANHOLE, 3' X 4' X 4', 24" FRAME AND LID (CDOT)	EACH	3			3		
* X0370024	FIBER OPTIC ADD-IN FOR LOCAL CONTROLLER (CDOT)	EACH	1			1		
* X0370025	FIBER OPTIC ADD-IN FOR MASTER CONTROLLER (CDOT)	EACH	1			1		
* X0370027	FIBER OPTIC HYBRID CABLE IN CONDUIT (CDOT)	FOOT	1,045			1,045		
* X0370026	FIBER OPTIC STAR MODEM (CDOT)	EACH	2			2		
* X0370028	HARNESS CABLE, #16, 8/C (CDOT)	FOOT	1,824			1,824		
* X0370029	INTERFACE PANEL, 2 CAMERA (CDOT)	EACH	2			2		
* X0370054	INTERFACE PANEL, 4 CAMERA (CDOT)	EACH	1			1		
* X0370055	INTERFACE PANEL, 8 CAMERA (CDOT)	EACH	1			1		
* X8130350	JUNCTION BOX EMBEDDED IN STRUCTURE, SPECIAL	EACH	6			6		
* 85800100	FLASHER CONTROLLER	EACH	6			6		
* 88000105	FLASHING BEACON INSTALLATION	EACH	6			6		


• SPECIALTY ITEM

 PATRICK ENGINEERING INC 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = tkcopen(Rdw.L191e) PLOT CONFIG = PDF(Grey_Small.plt) PLOT SCALE = 1:100 PLOT DATE = 2/18/2013 4:40:11 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.U. RTE. 2746 SECTION 1616B COUNTY COOK TOTAL SHEETS 404 SHEET NO. 37	ILLINOIS FED. AID PROJECT 60J14
	SCALE: NA SHEET 500-34 OF 36 STA. TO STA.	FED. ROAD DIST. NO.							

SUMMARY OF QUANTITIES		UNIT	URBAN 90% FED 10% STATE TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION			0003	0010	0021	0031	0040
				RDWY	BRIDGE	SIGNALS LIGHTING	LNDSCP	RET. WALL
* X0370056	MAST ARM, STEEL, MONOTUBE, 16 FT. (CDOT)	EACH	1			1		
* X0370057	MAST ARM, STEEL, MONOTUBE, 20 FT. (CDOT)	EACH	1			1		
* X0370058	MAST ARM, STEEL, MONOTUBE, 26 FT. (CDOT)	EACH	2			2		
* X0370059	MAST ARM, STEEL, MONOTUBE, 30 FT. (CDOT)	EACH	2			2		
* X0370060	MAST ARM, STEEL, MONOTUBE, 35 FT. (CDOT)	EACH	2			2		
* X0370061	MAST ARM, STEEL, MONOTUBE, 40 FT. (CDOT)	EACH	4			4		
* X0370062	MAST ARM, STEEL, MONOTUBE, 44 FT. (CDOT)	EACH	4			4		
* X0370030	POLE, STEEL, ANCHOR BASE, 11" DIA., 3-GAUGE, 34'-6" (CDOT)	EACH	2			2		
* X0370031	POLE, STEEL, ANCHOR BASE, 12 1/2" DIA., 3-GAUGE, 34'-6" (CDOT)	EACH	10			10		
* X0370063	SERVICE INSTALLATION, 100 AMPERE, (CDOT)	EACH	2			2		
* X0327589	TRAFFIC CONTROL LED-SIGNAL HEAD (2 SECTION, 1 FACE) AND PEDESTAL	EACH	6			6		
* X0950425	REMOVE EXISTING TRAFFIC SURVEILLANCE EQUIPMENT	L SUM	1			1		

12

• SPECIALTY ITEM


 PATRICK ENGINEERING 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = thopper@dwg.lisleil.com PLOT CONFIO = PDF (Gray, Small, pl)	DESIGNED - CPK DRAWN - MJP	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.U. RTE. 2746	SECTION 1616B	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 38
	PLOT SCALE = 1:180 PLOT DATE = 2/18/2013 4:48:17 PM	CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED -		SCALE: NA	SHEET 500-35 OF 36	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
	60J14											

SUMMARY OF QUANTITIES		UNIT	URBAN 90% FED. 10% STATE TOTAL	CONSTRUCTION CODE				
CODE NO.	ITEM DESCRIPTION			0003	0010	0021	0031	0040
				RDWY	BRIDGE	SIGNALS LIGHTING	LNDSCP	RET. WALL
* X0370064	UNDERGROUND CONDUIT, PVC, 3" DIA. SCHEDULE 80 (CDOT)	FOOT	4,232			4,232		
* X0370042	VIDEO CABLE HARNESS (CDOT)	EACH	12			12		
* X0370065	VIDEO DETECTION CARD RACK, 4 CAMERA (CDOT)	EACH	1			1		
* X0370066	VIDEO DETECTION CARD RACK, 8 CAMERA (CDOT)	EACH	1			1		
* X0370044	VIDEO DETECTION POWER SUPPLY (CDOT)	EACH	4			4		
* X0370067	VIDEO PROCESSOR CARD (CDOT)	EACH	2			2		
* X0370045	VIDEO PROCESSOR CARD AND RACK (CDOT)	EACH	2			2		
* Z0077800	WOOD POST	EACH	3			3		
⊙ Z0076600	TRAINEES	HOUR	2500	2500				
⊙ Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	2500	2500				

⊙ 0042

• SPECIALTY ITEM

Rev.

 PATRICK ENGINEERING INC. 4670 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME * kwoepfen@rdwy-lisle PLOT CONFIG * PDF(Grey_Small).pl PLOT SCALE * 1:100 PLOT DATE * 2/18/2013 4:48:23 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.U. R.T.E. 2746 SECTION 1616B COUNTY COOK TOTAL SHEETS 404 SHEET NO. 39	ILLINOIS FED. AID PROJECT 60J14
	SCALE: NA SHEET 500-36 OF 36 STA. TO STA.				FEDERAL ROAD DIST. NO.				

Q:\100T\21858.006_Cumberland\Drawings\CADD_Sheets\0168J14-500.01.dgn

40603595 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90

LOCATION	STATION	TO	STATION	TON
CUMBERLAND NB/SB	94+99.21	TO	95+39.55	31.9
CUMBERLAND NB	95+39.55	TO	97+01.74	68.8
CUMBERLAND SB	95+39.55	TO	97+01.74	56.9
CUMBERLAND NB	97+01.74	TO	99+47.29	116.3
CUMBERLAND SB	97+01.74	TO	99+11.81	84.3
BRYN MAWR INT. INCL. CATALPA	00+00.00	TO	00+00.00	718.2
CUMBERLAND NB	101+03.32	TO	106+22.16	203.8
CUMBERLAND SB	101+05.33	TO	104+54.07	212.7
CUMBERLAND SB	104+54.07	TO	107+54.07	150.3
CUMBERLAND SB	107+54.07	TO	110+11.59	100.9
CUMBERLAND NB	106+22.16	TO	108+23.58	110.2
CUMBERLAND NB	108+23.58	TO	108+53.02	20.8
CUMBERLAND NB	108+53.02	TO	109+64.00	80.3
RAMP 6 INT. INCL. RAMP RESURFACING	00+00.00	TO	00+00.00	620.8
CUMBERLAND - E OF CL	126+09.44	TO	128+75.99	95.3
CUMBERLAND - E OF CL	128+75.99	TO	132+00.73	86.4
CUMBERLAND - W OF CL	126+40.34	TO	126+93.80	30.4
CUMBERLAND - W OF CL	126+93.80	TO	128+33.46	68.3
CUMBERLAND - W OF CL	128+33.46	TO	132+00.73	121.6
HIGGINS - N OF CL	03+47.39	TO	05+03.37	51.1
HIGGINS - N OF CL	05+03.37	TO	06+26.97	37.4
HIGGINS - N OF CL	06+26.97	TO	08+25.70	70.4
HIGGINS - N OF CL	08+25.70	TO	08+49.67	9.9
HIGGINS - S OF CL	03+47.39	TO	05+02.43	68.2
HIGGINS - S OF CL	05+02.43	TO	08+74.92	194.7
CUMBERLAND AT HIGGINS INT.	00+00.00	TO	00+00.00	521.4
HIGGINS - N OF CL	10+78.85	TO	13+16.63	124.3
HIGGINS - N OF CL	13+16.63	TO	14+15.48	53.2
HIGGINS - S OF CL	11+98.39	TO	14+50.51	65.9
HIGGINS AT I-90 WB EXIT RAMP INT.	00+00.00	TO	00+00.00	185.7
TOTAL				4,942

20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)

LOCATION	STATION	OFFSET	UNIT
CUMBERLAND	106+31.62	-68.32	LT 16
CUMBERLAND	118+95.12	71.63	RT 16
CUMBERLAND	119+31.34	80.71	RT 18
CUMBERLAND	120+07.75	367.76	RT 23
CUMBERLAND	120+37.93	336.40	RT 19
CUMBERLAND	120+75.20	364.78	RT 16
CUMBERLAND	125+88.18	-104.78	LT 20
CUMBERLAND	126+35.67	-49.28	LT 21
CUMBERLAND	127+17.23	-49.18	LT 22
CUMBERLAND	127+92.91	32.57	RT 22
TOTAL			193

44201771 CLASS D PATCHES, TYPE IV, 10 INCH

LOCATION	STATION	TO	STATION	SQ YD
RAMP 2	01+14.87	TO	01+24.87	28.87
CUMBERLAND	111+94.10	TO	112+04.10	39.11
RAMP 6 PRE-STAGE	22+16.59	TO	22+80.34	46.00
TOTAL				114

20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)

LOCATION	STATION	OFFSET	UNIT
BRYN MAWR CURVE	99+68.04	-70.83	LT 12
BRYN MAWR CURVE	99+71.59	-93.21	LT 8
BRYN MAWR CURVE	99+71.46	-103.49	LT 10
BRYN MAWR CURVE	99+73.85	-113.31	LT 8
BRYN MAWR CURVE	99+70.76	-122.45	LT 10
BRYN MAWR CURVE	99+74.76	-130.90	LT 8
BRYN MAWR CURVE	99+68.04	-138.21	LT 10
BRYN MAWR CURVE	99+74.13	-144.37	LT 8
CUMBERLAND	105+33.58	2.35	RT 6
CUMBERLAND	105+55.75	3.98	LT 7
CUMBERLAND	105+67.67	-65.56	LT 14
CUMBERLAND	105+79.51	1.53	RT 7
CUMBERLAND	105+99.81	-66.77	LT 14
CUMBERLAND	106+04.92	4.76	RT 7
CUMBERLAND	106+64.00	-70.78	LT 14
CUMBERLAND	106+96.57	-73.50	LT 12
CUMBERLAND	107+28.57	-76.09	LT 12
CUMBERLAND	107+77.17	9.88	RT 8
CUMBERLAND	107+94.76	-83.52	LT 11
CUMBERLAND	108+04.41	1.60	RT 7
CUMBERLAND	108+28.88	5.59	RT 7
CUMBERLAND	108+52.97	0.85	RT 8
CUMBERLAND	108+53.54	-105.11	LT 12
CUMBERLAND	108+82.24	-123.36	LT 14
CUMBERLAND	109+07.10	-138.82	LT 14
CUMBERLAND	109+70.92	-79.80	LT 10
CUMBERLAND	109+82.44	-87.28	LT 9
CUMBERLAND	109+94.77	-94.26	LT 9
CUMBERLAND	110+07.97	-103.33	LT 9
CUMBERLAND	110+09.30	-85.45	LT 10
CUMBERLAND	112+29.02	-73.06	LT 9
CUMBERLAND	112+41.24	-68.17	LT 8
CUMBERLAND	112+79.12	-68.24	LT 15
CUMBERLAND	113+09.51	-68.04	LT 8
CUMBERLAND	113+11.53	304.07	RT 9
CUMBERLAND	113+36.89	-67.60	LT 8
CUMBERLAND	113+42.96	159.98	RT 8
CUMBERLAND	113+52.53	349.80	RT 10
CUMBERLAND	113+68.76	-67.07	LT 10
CUMBERLAND	113+95.91	-64.36	LT 8
CUMBERLAND	114+03.07	173.30	RT 6
CUMBERLAND	114+24.85	-61.31	LT 8
CUMBERLAND	114+30.85	73.68	LT 8
CUMBERLAND	114+52.93	-61.09	LT 13
CUMBERLAND	114+60.97	66.44	RT 7
CUMBERLAND	114+80.40	-59.08	LT 8
CUMBERLAND	114+86.34	74.23	LT 9
CUMBERLAND	115+05.09	-56.38	LT 6
CUMBERLAND	115+37.07	-59.67	LT 12
CUMBERLAND	115+64.94	-56.48	LT 9
CUMBERLAND	116+56.64	50.50	RT 10
CUMBERLAND	116+53.33	60.87	RT 10
CUMBERLAND	116+51.37	68.69	RT 10
CUMBERLAND	116+59.38	66.59	RT 10
CUMBERLAND	116+79.84	62.46	RT 10
CUMBERLAND	116+78.83	70.43	RT 7
CUMBERLAND	116+78.25	80.18	RT 6
CUMBERLAND	119+72.06	-239.32	LT 7
CUMBERLAND	119+72.25	-248.74	LT 8
CUMBERLAND	119+77.23	-255.32	LT 8
CUMBERLAND	119+79.56	-233.89	LT 7
CUMBERLAND	119+85.94	-245.33	LT 6
CUMBERLAND	119+86.11	-256.07	LT 6
CUMBERLAND	119+75.03	273.26	RT 14
CUMBERLAND	120+15.68	282.74	RT 15
CUMBERLAND	120+94.75	243.24	RT 6
CUMBERLAND	120+95.36	232.50	RT 7
CUMBERLAND	124+56.39	517.56	RT 8
CUMBERLAND	126+92.31	-49.70	LT 14
TOTAL			643

35300410 PCC BASE COURSE (WIDENING)

LOCATION	STATION	TO	STATION	SQ YD
BRYN MAWR	06+30.60	TO	07+58.45	454.6
BRYN MAWR	07+33.57	TO	07+57.07	21.8
HIGGINS	03+47.37	TO	06+55.57	199.4
HIGGINS	04+91.78	TO	06+36.55	199.1
HIGGINS	06+85.50	TO	09+45.00	115.5
HIGGINS	10+03.67	TO	13+18.05	171.7
HIGGINS	10+25.80	TO	14+53.81	72.6
HIGGINS	11+42.57	TO	14+24.52	186.4
HIGGINS	14+93.26	TO	16+12.64	27.6
HIGGINS	15+09.89	TO	15+16.96	1.4
HIGGINS	15+22.37	TO	15+68.40	40.1
HIGGINS	16+53.60	TO	16+60.12	0.5
CUMBERLAND	96+29.71	TO	99+63.06	174.6
CUMBERLAND	99+11.58	TO	99+85.86	16.2
CUMBERLAND	99+58.81	TO	100+01.58	33.8
CUMBERLAND	100+69.09	TO	105+16.90	236.2
CUMBERLAND	100+59.83	TO	101+38.67	51.9
CUMBERLAND	100+77.70	TO	101+02.22	10.9
CUMBERLAND	104+06.42	TO	106+59.96	77.4
CUMBERLAND	101+44.67	TO	110+35.28	419.3
CUMBERLAND	107+24.40	TO	109+98.98	56.2
CUMBERLAND	109+63.38	TO	110+62.37	53.2
CUMBERLAND	111+20.00	TO	111+40.00	7.1
CUMBERLAND	111+14.12	TO	112+26.79	55.8
CUMBERLAND	111+43.68	TO	111+57.74	5.4
CUMBERLAND	111+46.00	TO	112+26.84	357.5
CUMBERLAND	123+43.61	TO	124+47.10	300.0
CUMBERLAND	123+49.22	TO	124+82.57	230.4
CUMBERLAND	124+49.47	TO	124+80.06	13.8
CUMBERLAND	124+70.32	TO	124+87.72	15.9
CUMBERLAND	124+47.08	TO	124+71.25	26.2
CUMBERLAND	125+55.67	TO	125+78.03	37.8
CUMBERLAND	125+38.45	TO	125+55.16	13.3
CUMBERLAND	125+76.23	TO	128+33.46	326.3
TOTAL				4,010

42400200 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

LOCATION	STATION	TO	STATION	SQ FT
CUMBERLAND	91+41.62	TO	27.77 LT	229.2
CUMBERLAND	92+30.90	TO	28.11 LT	393.0
CUMBERLAND	92+84.12	TO	29.05 LT	319.6
CUMBERLAND	91+43.62	TO	28.00 RT	430.8
CUMBERLAND	91+89.04	TO	30.02 RT	241.6
CUMBERLAND	92+88.17	TO	28.50 RT	165.2
CUMBERLAND	99+01.89	TO	53.95 LT	347.6
CUMBERLAND	99+22.97	TO	42.51 RT	239.5
CUMBERLAND	100+85.43	TO	51.89 LT	6205.8
CUMBERLAND	109+69.67	TO	46.50 LT	673.9
CUMBERLAND	109+63.41	TO	72.43 RT	1148.0
CUMBERLAND/ISLAND	110+33.42	TO	59.88 RT	125.0
CUMBERLAND/ISLAND	111+23.65	TO	62.16 RT	56.4
CUMBERLAND	111+37.77	TO	61.51 LT	295.7
CUMBERLAND	112+40.00	TO	74.30 LT	1921.5
CUMBERLAND	111+72.15	TO	61.58 RT	2940.0
CUMBERLAND	119+52.24	TO	55.60 LT	1440.6
CUMBERLAND	119+59.03	TO	67.29 RT	1366.8
CUMBERLAND	121+67.13	TO	49.79 LT	1207.8
CUMBERLAND	121+60.55	TO	62.33 RT	2355.8
CUMBERLAND	123+58.76	TO	65.04 LT	1099.4
CUMBERLAND/ISLAND	124+45.77	TO	49.51 RT	199.2
CUMBERLAND	126+24.24	TO	39.65 RT	319.1
CUMBERLAND	127+08.07	TO	39.24 RT	49.8
HIGGINS	10+15.03	TO	41.51 LT	648.6
HIGGINS	11+13.22	TO	41.50 LT	234.3
HIGGINS	11+67.13	TO	41.50 LT	1406.8
HIGGINS	11+52.97	TO	44.50 RT	1608.1
HIGGINS	13+68.13	TO	39.65 LT	253.0
HIGGINS/ISLAND	14+96.84	TO	40.95 RT	97.7
HIGGINS	14+97.05	TO	37.05 LT	168.1
HIGGINS	15+46.20	TO	43.41 RT	159.5
BRYN MAWR	6+30.03	TO	67.63 RT	1424.4
RAMP 6	15+62.53	TO	29.60 LT	3552.2
SPUR	5+55.02	TO	11.16 RT	236.4
SPUR	5+22.56	TO	11.92 RT	28.6
SPUR	0+00	TO	2.50 RT	3385.8
TOTAL				36,976

PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

USER NAME = tkoeppen(Rdwy_L1a1e)
PLOT CONFIG = PDF(Grey_Small).plt
PLOT SCALE = 1:1000
PLOT DATE = 2/18/2013 6:27:23 PM

DESIGNED - CPK
DRAWN - MJP
CHECKED - JAH
DATE - 2/18/2013

REVISED -
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REVISED -


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
ROADWAY PAY ITEM SCHEDULES**

SCALE: NA SHEET SCH-01 OF 3 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	40
				60J14

CUMBERLAND AVENUE EARTHWORK			REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL				SUITABLE EARTH EXCAVATION (CUT)				SUITABLE EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%)				EMBANKMENT (FILL)				EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)			
STATION	TO	STATION	PRE-STAGE	STAGE 1	STAGE 2	STAGE 3	PRE-STAGE	STAGE 1	STAGE 2	STAGE 3	PRE-STAGE	STAGE 1	STAGE 2	STAGE 3	PRE-STAGE	STAGE 1	STAGE 2	STAGE 3	PRE-STAGE	STAGE 1	STAGE 2	STAGE 3
			CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
96+29.69	TO	97+00.00	0	0	2	0	0	0	7	0	0	0	6	0	0	0	0	0	0	0	6	0
97+00.00	TO	97+50.00	0	0	2	0	0	0	14	0	0	0	12	0	0	0	0	0	0	0	12	0
97+50.00	TO	98+00.00	0	0	3	0	0	0	21	0	0	0	18	0	0	0	0	0	0	0	18	0
98+00.00	TO	98+50.00	0	0	4	0	0	0	26	0	0	0	22	0	0	0	0	0	0	0	22	0
98+50.00	TO	99+00.00	0	0	5	0	0	0	32	0	0	0	28	0	0	0	0	0	0	0	28	0
99+00.00	TO	101+00.00	0	6	37	0	0	35	127	0	0	30	108	0	0	0	0	0	0	30	108	0
101+00.00	TO	101+50.00	0	1	13	0	0	9	30	13	0	8	26	0	0	0	0	0	0	8	26	0
101+50.00	TO	102+00.00	0	0	13	0	0	0	34	0	0	0	29	0	0	0	0	0	0	0	29	0
102+00.00	TO	102+50.00	0	0	14	0	0	0	35	0	0	0	30	0	0	0	0	0	0	0	30	0
102+50.00	TO	103+00.00	0	0	14	0	0	0	34	0	0	0	28	0	0	0	0	0	0	0	28	0
103+00.00	TO	103+50.00	0	0	14	0	0	0	34	0	0	0	29	0	0	0	0	0	0	0	29	0
103+50.00	TO	104+00.00	0	0	14	0	0	0	36	0	0	0	31	0	0	0	0	0	0	0	31	0
104+00.00	TO	104+50.00	0	0	13	0	0	0	34	0	0	0	29	0	0	0	0	0	0	0	29	0
104+50.00	TO	105+00.00	0	0	12	0	0	0	27	0	0	0	23	0	0	0	0	0	0	0	23	0
105+00.00	TO	105+50.00	0	0	16	0	0	0	13	0	0	0	11	0	0	0	0	0	0	0	11	0
105+50.00	TO	106+00.00	0	0	10	0	0	0	4	10	0	0	4	0	0	12	0	0	0	0	-8	0
106+00.00	TO	106+50.00	0	0	0	0	0	0	4	0	0	0	3	0	0	0	0	0	0	0	3	0
106+50.00	TO	107+00.00	0	0	0	0	0	0	4	0	0	0	3	0	0	0	0	0	0	0	3	0
107+00.00	TO	107+50.00	0	0	1	0	0	0	9	0	0	0	8	0	0	0	0	0	0	0	8	0
107+50.00	TO	108+00.00	0	0	3	0	0	0	15	0	0	0	13	0	0	0	0	0	0	0	13	0
108+00.00	TO	108+50.00	0	0	6	0	0	0	15	0	0	0	13	0	0	0	0	0	0	0	13	0
108+50.00	TO	109+00.00	0	0	10	0	0	0	25	0	0	0	22	0	0	8	0	0	0	0	14	0
109+00.00	TO	109+50.00	0	0	12	0	0	0	61	0	0	0	52	0	0	1	0	0	0	0	50	0
109+50.00	TO	110+00.00	0	6	16	0	0	14	47	16	0	12	40	0	0	0	0	0	0	12	40	0
110+00.00	TO	110+20.00	0	5	7	0	0	15	2	0	0	13	2	0	0	12	0	0	0	13	-10	0
110+20.00	TO	111+70.00	0	55	31	0	0	255	37	0	0	217	31	0	0	4	150	0	0	213	-119	0
111+70.00	TO	112+20.00	0	17	8	0	0	74	27	0	0	63	23	0	0	4	1	0	0	59	22	0
112+20.00	TO	112+50.00	0	8	6	0	0	16	27	9	0	14	23	8	0	3	0	0	0	10	23	8
112+50.00	TO	113+00.00	0	17	12	0	0	31	59	31	0	26	50	26	0	7	5	0	0	19	44	26
113+00.00	TO	113+50.00	0	15	15	0	0	38	64	34	0	32	55	29	0	4	5	0	0	27	49	29
113+50.00	TO	114+00.00	0	14	19	0	0	42	65	27	0	36	55	23	0	6	13	0	0	29	42	23
114+00.00	TO	114+50.00	0	18	23	0	0	43	53	15	0	36	45	13	0	11	23	0	0	26	22	13
114+50.00	TO	115+00.00	0	23	25	0	0	46	38	9	0	39	33	8	0	31	44	5	0	8	-12	3
115+00.00	TO	115+50.00	0	37	26	0	0	45	24	2	0	38	21	2	0	121	94	17	0	-83	-73	-15
115+50.00	TO	116+00.00	0	54	28	0	0	37	17	0	0	32	14	0	0	308	121	46	0	-277	-106	-46
116+00.00	TO	116+50.00	0	49	22	0	0	16	8	0	0	14	7	0	0	420	207	99	0	-406	-200	-99
116+50.00	TO	116+52.35	0	2	1	0	0	0	0	0	0	0	0	0	0	19	11	6	0	-19	-11	-6
BRIDGE																						
119+13.35	TO	119+50.00	0	38	38	0	0	0	0	0	0	0	0	0	0	521	330	116	0	-521	-330	-116
119+50.00	TO	120+00.00	0	47	47	0	0	0	9	0	0	0	8	0	0	557	340	122	0	-557	-332	-122
120+00.00	TO	120+50.00	0	36	37	0	0	0	21	0	0	0	18	0	0	323	182	76	0	-323	-164	-76
120+50.00	TO	121+00.00	0	30	34	0	0	0	27	0	0	0	23	0	0	220	91	55	0	-220	-69	-55
121+00.00	TO	121+75.00	0	36	31	0	0	49	43	0	0	42	36	0	0	153	38	48	0	-111	-2	-48
121+75.00	TO	122+00.00	0	10	9	0	0	30	15	0	0	26	13	0	0	5	2	10	0	21	10	-9
122+00.00	TO	122+50.00	0	21	20	0	0	55	33	2	0	47	28	2	0	21	18	12	0	26	10	-10
122+50.00	TO	123+00.00	0	52	52	0	0	180	35	9	0	153	30	8	0	33	46	4	0	120	-16	4
123+00.00	TO	123+55.00	3	127	93	0	11	249	20	8	10	212	17	7	1	20	34	0	9	192	-17	7
123+55.00	TO	124+20.00	26	198	102	0	62	139	0	0	52	118	0	0	32	0	0	0	21	118	0	0
124+20.00	TO	126+00.00	242	282	0	0	191	118	0	0	162	191	100	0	85	0	0	0	78	100	0	0
126+00.00	TO	126+50.00	81	0	0	0	36	0	0	0	31	0	0	0	0	0	0	0	30	0	0	0
126+50.00	TO	127+00.00	63	0	0	0	43	0	0	0	37	0	0	0	0	0	0	0	36	0	0	0
127+00.00	TO	127+50.00	53	0	0	0	34	0	0	0	29	0	0	0	0	0	0	0	29	0	0	0
127+50.00	TO	128+00.00	33	0	0	0	17	0	0	0	15	0	0	0	0	0	0	0	14	0	0	0
128+00.00	TO	128+50.00	13	0	0	0	9	0	0	0	8	0	0	0	0	0	0	0	7	0	0	0
128+50.00	TO	128+75.99	1	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
CUMBERLAND AVE MEDIAN AREAS			0	0	0	0	0	0	0	142	0	0	0	121	0	0	0	0	0	0	0	121
TOTALS =			515	1,205	919	0	405	1,536	1,314	290	344	1,305	1,117	247	119	2,794	1,790	615	225	-1,489	-673	-368

 PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = tkceppen(Rdwy_Lisle) PLOT CONFIG = PDF(Grey_Small).plt PLOT SCALE = 1:1000 PLOT DATE = 2/18/2013 6:27:29 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES EARTHWORK SCHEDULE	F.A.U. RTE. = 2746 SECTION = 1616B COUNTY = COOK TOTAL SHEETS = 404 SHEET NO. = 41	60J14
	SCALE: NA SHEET = SCH-02 OF 3 STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

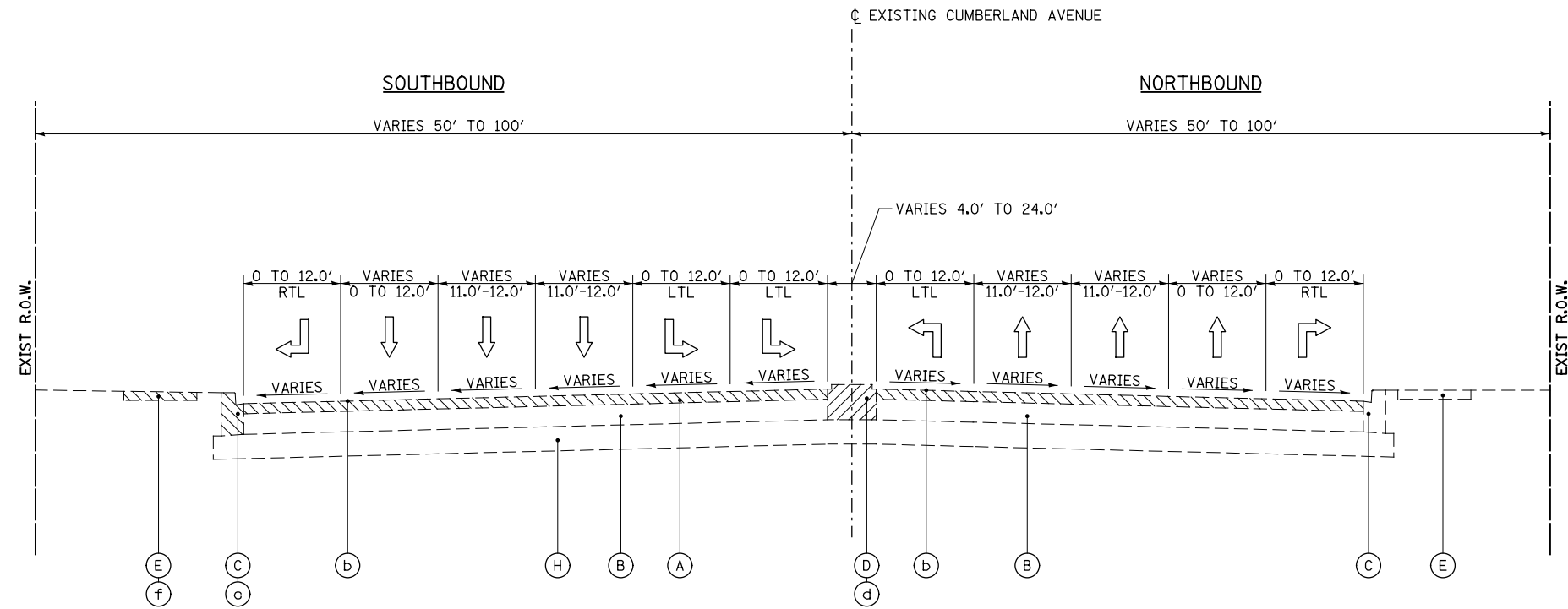
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HIGGINS ROAD EARTHWORK			REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL		SUITABLE EARTH EXCAVATION (CUT)		SUITABLE EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%)		EMBANKMENT (FILL)		EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	
STATION	TO	STATION	PRE-STAGE	STAGE 1	PRE-STAGE	STAGE 1	PRE-STAGE	STAGE 1	PRE-STAGE	STAGE 1	PRE-STAGE	STAGE 1
			CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
3+50.00	TO	4+00.00	5	0	25	0	21	0	0	0	21	0
4+00.00	TO	4+50.00	9	0	51	0	43	0	0	0	43	0
4+50.00	TO	5+00.00	11	0	67	0	57	0	0	0	57	0
5+00.00	TO	5+50.00	10	0	57	0	48	0	0	0	48	0
5+50.00	TO	6+00.00	6	0	32	0	27	0	0	0	27	0
6+00.00	TO	6+50.00	6	0	17	0	14	0	0	0	14	0
11+00.00	TO	11+50.00	8	8	24	24	21	21	0	11	21	10
11+50.00	TO	12+00.00	8	2	26	3	22	2	0	23	22	-21
12+00.00	TO	12+50.00	9	4	27	3	23	2	0	23	23	-21
12+50.00	TO	13+00.00	9	6	25	3	21	2	0	13	21	-10
13+00.00	TO	13+50.00	4	8	11	3	10	3	0	4	10	-1
13+50.00	TO	14+00.00	0	8	0	4	0	3	0	2	0	1
14+00.00	TO	14+22.00	0	2	0	1	0	1	0	1	0	0
HIGGINS RD MEDIAN & ISLAND AREAS			0	0	45	446	38	379	0	0	38	379
TOTALS =			87	39	407	486	346	413	0	76	346	337

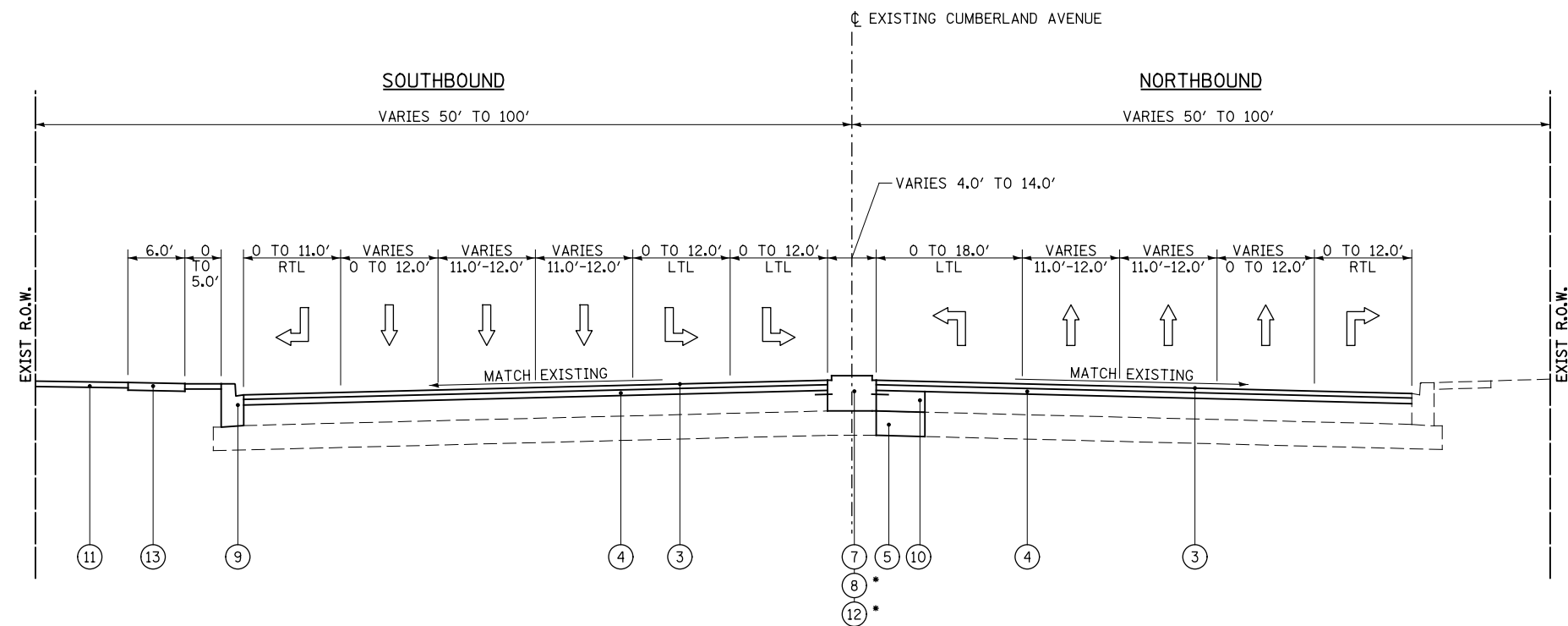
BRYN MAWR SPUR EARTHWORK			REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	SUITABLE EARTH EXCAVATION (CUT)	SUITABLE EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%)	EMBANKMENT (FILL)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
STATION	TO	STATION	STAGE 2	STAGE 2	STAGE 2	STAGE 2	STAGE 2
			CU YD	CU YD	CU YD	CU YD	CU YD
1+00.00	TO	1+50.00	17	101	86	62	24
1+50.00	TO	2+00.00	23	61	52	54	-3
2+00.00	TO	2+50.00	29	66	56	40	16
2+50.00	TO	3+00.00	19	76	65	24	41
3+00.00	TO	3+50.00	13	80	68	27	41
3+50.00	TO	4+00.00	11	83	70	28	43
4+00.00	TO	4+50.00	14	96	81	22	60
4+50.00	TO	4+74.00	16	93	79	6	72
4+74.00	TO	5+00.00	27	146	124	3	121
TOTALS =			170	800	680	266	415

RAMP 6 EARTHWORK			REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	SUITABLE EARTH EXCAVATION (CUT)	SUITABLE EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%)	EMBANKMENT (FILL)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
STATION	TO	STATION	STAGE 2	STAGE 2	STAGE 2	STAGE 2	STAGE 2
			CU YD	CU YD	CU YD	CU YD	CU YD
12+82.00	TO	13+00.00	1	20	17	0	17
13+00.00	TO	13+50.00	3	54	46	4	42
13+50.00	TO	14+00.00	2	48	41	4	36
14+00.00	TO	14+50.00	1	46	39	1	38
14+50.00	TO	15+00.00	3	47	40	6	34
15+00.00	TO	15+50.00	5	46	39	13	26
15+50.00	TO	16+00.00	5	49	41	33	9
16+00.00	TO	16+50.00	4	54	46	50	-4
16+50.00	TO	17+00.00	3	58	49	51	-2
17+00.00	TO	17+50.00	3	58	50	53	-3
17+50.00	TO	18+00.00	4	59	50	54	-4
18+00.00	TO	18+50.00	4	60	51	56	-5
18+50.00	TO	19+00.00	4	60	51	62	-11
19+00.00	TO	19+50.00	3	57	49	67	-18
19+50.00	TO	20+00.00	3	52	44	72	-28
20+00.00	TO	20+50.00	3	41	34	79	-44
20+50.00	TO	21+00.00	10	78	67	72	-5
21+00.00	TO	21+50.00	21	137	116	64	52
21+50.00	TO	21+95.00	38	195	165	47	118
21+95.00	TO	22+45.00	49	268	228	19	209
22+45.00	TO	22+61.89	14	86	73	0	73
TOTALS =			183	1,571	1,335	804	531

EARTHWORK SUMMARY TABLE						
ITEM	UNIT	PRE-STAGE	STAGE 1	STAGE 2	STAGE 3	TOTAL
CUMBERLAND AVE WIDENING AND RECONSTRUCTION						
EARTH EXCAVATION (20200100)	CU YD	405	1,536	1,314	290	3,545
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)	CU YD	515	1,205	919	0	2,640
FURNISHED EXCAVATION (20400800)	CU YD	-225	1,489	673	368	
HIGGINS ROAD WIDENING						
EARTH EXCAVATION (20200100)	CU YD	407	486	0	0	893
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)	CU YD	87	39	0	0	126
FURNISHED EXCAVATION (20400800)	CU YD	-346	-337	0	0	
BRYN MAWR SPUR CONSTRUCTION						
EARTH EXCAVATION (20200100)	CU YD	0	0	800	0	800
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)	CU YD	0	0	170	0	170
FURNISHED EXCAVATION (20400800)	CU YD	0	0	-411	0	
BRYN MAWR AVE WIDENING						
EARTH EXCAVATION (20200100)	CU YD	0	0	429	0	429
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)	CU YD	0	0	113	0	113
FURNISHED EXCAVATION (20400800)	CU YD	0	0	-364	0	
RAMP 6 RECONSTRUCTION						
EARTH EXCAVATION (20200100)	CU YD	0	0	1,571	0	1,571
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)	CU YD	0	0	183	0	183
FURNISHED EXCAVATION (20400800)	CU YD	0	0	-531	0	
RAMP 7 WIDENING						
EARTH EXCAVATION (20200100)	CU YD	0	215	0	0	215
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)	CU YD	0	74	0	0	74
FURNISHED EXCAVATION (20400800)	CU YD	0	-108	0	0	
NORTHWEST RAMP INFIELD						
EARTH EXCAVATION (20200100)	CU YD	1516	0	0	0	1,516
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)	CU YD	385	0	0	0	385
TOPSOIL EXCAVATION AND PLACEMENT (21101505)	CU YD	577	0	0	0	577
FURNISHED EXCAVATION (20400800)	CU YD	108	0	0	0	
NORTHEAST RAMP INFIELD						
EARTH EXCAVATION (20200100)	CU YD	731	0	0	0	731
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)	CU YD	385	0	0	0	385
TOPSOIL EXCAVATION AND PLACEMENT (21101505)	CU YD	578	0	0	0	578
FURNISHED EXCAVATION (20400800)	CU YD	461	0	0	0	
SOUTHEAST RAMP INFIELD						
EARTH EXCAVATION (20200100)	CU YD	3163	0	0	0	3,163
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)	CU YD	505	0	0	0	505
TOPSOIL EXCAVATION AND PLACEMENT (21101505)	CU YD	758	0	0	0	758
FURNISHED EXCAVATION (20400800)	CU YD	51	0	0	0	
I-90 (UNDER BRIDGE) - SOUTH ABUTMENT						
EARTH EXCAVATION (20200100)	CU YD	0	395	528	462	1,386
FURNISHED EXCAVATION (20400800)	CU YD	0	-340	-450	-395	
I-90 (UNDER BRIDGE) - NORTH ABUTMENT						
EARTH EXCAVATION (20200100)	CU YD	0	714	952	833	2,499
FURNISHED EXCAVATION (20400800)	CU YD	0	-610	-810	-710	
RAMP 2 TEMPORARY WIDENING						
EARTH EXCAVATION (20200100)	CU YD	61	0	0	474	535
FURNISHED EXCAVATION (20400800)	CU YD	422	0	0	-403	
RAMP 4 TEMPORARY WIDENING						
EARTH EXCAVATION (20200100)	CU YD	0	32	0	42	75
FURNISHED EXCAVATION (20400800)	CU YD	0	15	0	-36	
GRAND TOTALS						
EARTH EXCAVATION (20200100)	CU YD	6,283	3,379	5,594	2,102	17,360
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)	CU YD	1,877	1,318	1,385	0	4,580
FURNISHED EXCAVATION (20400800)	CU YD	471	0	0	0	475
TOPSOIL EXCAVATION AND PLACEMENT (21101505)	CU YD	1913	0	0	0	1,915



EXISTING TYPICAL SECTION
STA. 94+99.21 TO STA. 112+16.80



PROPOSED TYPICAL SECTION
STA. 94+99.21 TO STA. 112+16.80
*STA. 105+54.07 TO STA. 110+11.59

EXISTING LEGEND

- (A) HMA OVERLAY, 4"±
- (B) P.C.C. PAVEMENT, 9"±
- (C) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24
- (D) CONCRETE MEDIAN
- (E) P.C.C. SIDEWALK, 5"
- (F) CONCRETE RETAINING WALL
- (G) PAVED SHOULDER
- (H) AGGREGATE SUBGRADE, 12"

REMOVAL LEGEND

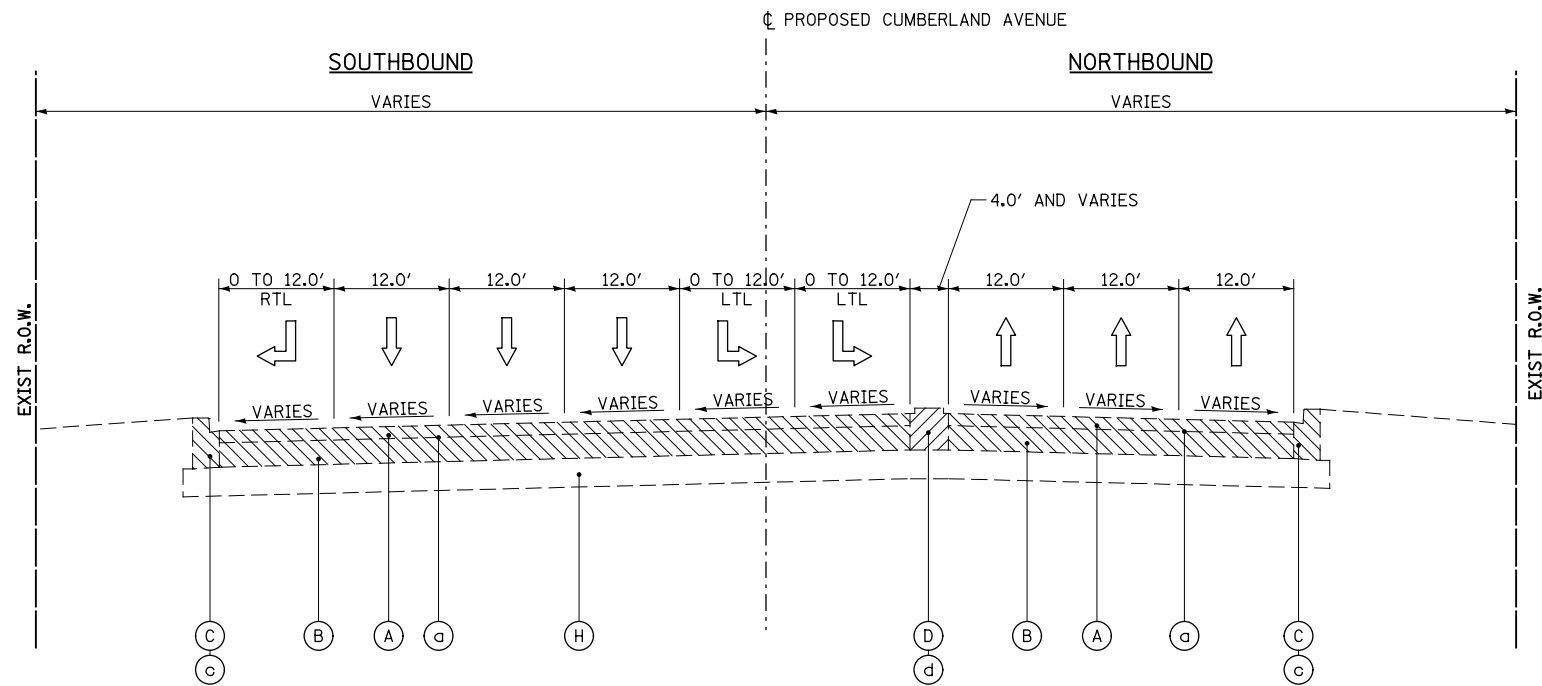
- (a) PAVEMENT REMOVAL
- (b) HOT-MIX ASPHALT REMOVAL, 2-1/2"
- (c) COMBINATION CURB AND GUTTER REMOVAL
- (d) MEDIAN REMOVAL
- (e) PAVED SHOULDER REMOVAL
- (f) SIDEWALK REMOVAL

PROPOSED LEGEND

- (1) PORTLAND CEMENT CONCRETE PAVEMENT, 9 1/2" (JOINTED)
- (2) STABILIZED SUBBASE HOT-MIX ASPHALT, 4 1/2"
- (3) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- (4) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (5) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (6) HOT MIX ASPHALT SHOULDERS, 6"
- (7) CONCRETE MEDIAN, TYPE SB-6.12
- (8) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (9) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (10) PORTLAND CEMENT CONCRETE BASE COURSE, 9 1/2"
- (11) TOPSOIL FURNISH AND PLACE, 4"
EROSION CONTROL BLANKET
(SEE LANDSCAPING PLAN)
- (12) CONCRETE MEDIAN SURFACE, 4"
- (13) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (14) CONCRETE RETAINING WALL (SEE STRUCTURAL PLAN)

PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = tkoeppen(Rdwy_Lisle) PLOT CONFIG = PDF(Grey_Small).plt PLOT SCALE = 1:20 PLOT DATE = 2/18/2013 6:41:18 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS CUMBERLAND AVENUE		F.A.U. RTE. 2746 SECTION 1616B COUNTY COOK TOTAL SHEETS 404 SHEET NO. 43 60J14
	SCALE: NTS SHEET TYP-01 OF 7 STA. TO STA.				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

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EXISTING TYPICAL SECTION

STA. 112+16.80 TO STA. 116+30.74

BRIDGE LOCATION: (SEE STRUCTURAL PLANS)
 STA. 116+30.74 TO STA. 119+53.74

EXISTING LEGEND

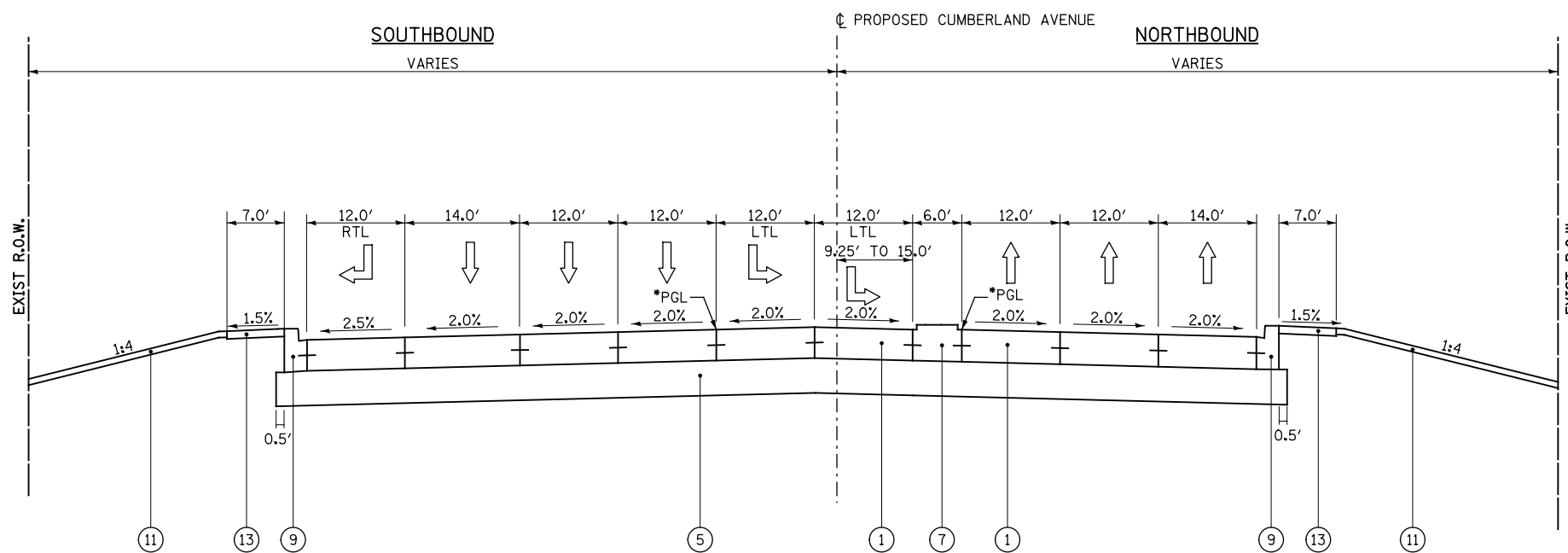
- (A) HMA OVERLAY, 4"±
- (B) P.C.C. PAVEMENT, 9"±
- (C) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24
- (D) CONCRETE MEDIAN
- (E) P.C.C. SIDEWALK, 5"
- (F) CONCRETE RETAINING WALL
- (G) PAVED SHOULDER
- (H) AGGREGATE SUBGRADE, 12"

REMOVAL LEGEND

- (a) PAVEMENT REMOVAL
- (b) HOT-MIX ASPHALT REMOVAL, 2-1/2"
- (c) COMBINATION CURB AND GUTTER REMOVAL
- (d) MEDIAN REMOVAL
- (e) PAVED SHOULDER REMOVAL
- (f) SIDEWALK REMOVAL

PROPOSED LEGEND

- (1) PORTLAND CEMENT CONCRETE PAVEMENT, 9 1/2" (JOINTED)
- (2) STABILIZED SUBBASE HOT-MIX ASPHALT, 4 1/2"
- (3) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- (4) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (5) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (6) HOT MIX ASPHALT SHOULDERS, 6"
- (7) CONCRETE MEDIAN, TYPE SB-6.12
- (8) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (9) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (10) PORTLAND CEMENT CONCRETE BASE COURSE, 9 1/2"
- (11) TOPSOIL FURNISH AND PLACE, 4" EROSION CONTROL BLANKET (SEE LANDSCAPING PLAN)
- (12) CONCRETE MEDIAN SURFACE, 4"
- (13) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (14) CONCRETE RETAINING WALL (SEE STRUCTURAL PLAN)



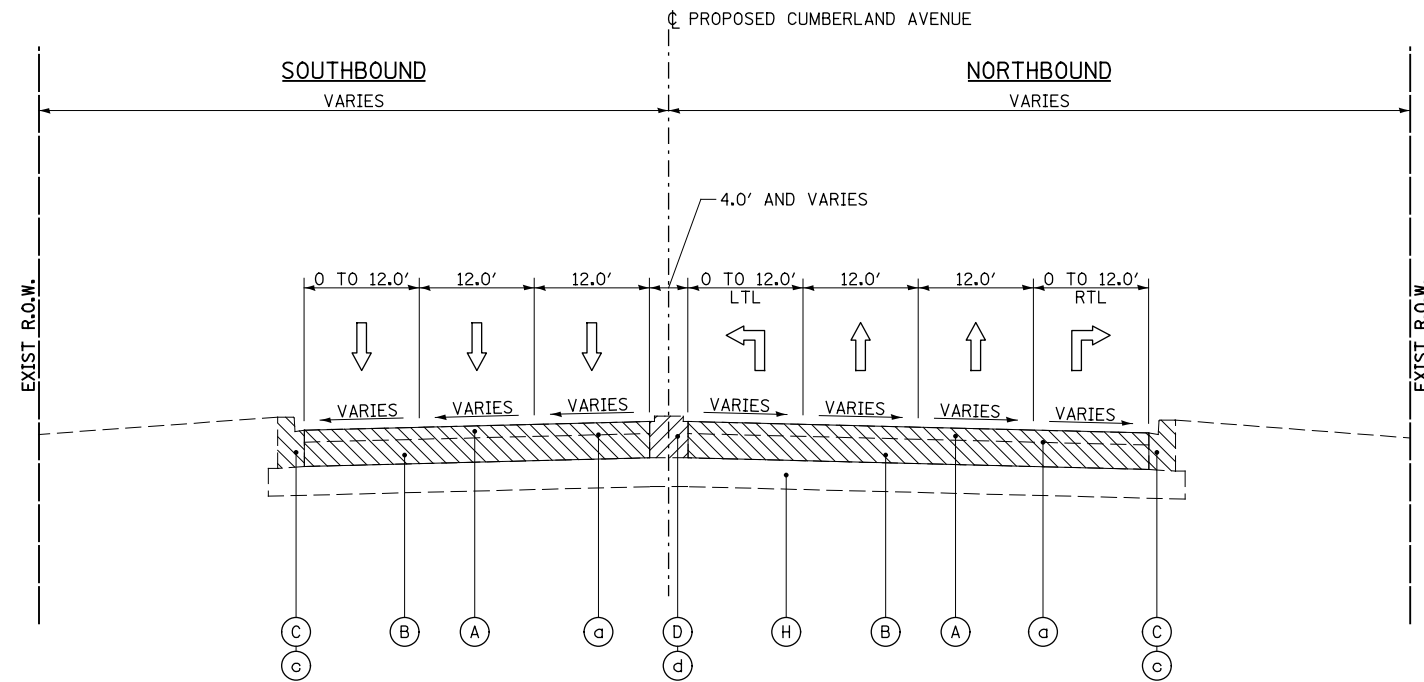
PROPOSED TYPICAL SECTION

STA. 112+26.84 TO STA. 116+22.85

BRIDGE LOCATION: (SEE STRUCTURAL PLANS)
 STA. 116+22.85 TO STA. 119+55.86

*SEE SHEET INT 06 OF 10 FOR PGL TRANSITION DETAIL

PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = tkoeppen(Rdwy_Lisle) PLOT CONFIG = PDF(Grey_Small).plt PLOT SCALE = 1:20 PLOT DATE = 2/18/2013 6:41:19 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS CUMBERLAND AVENUE			F.A.U. RTE. 2746 SECTION 1616B COUNTY COOK TOTAL SHEETS 404 SHEET NO. 44
	SCALE: NTS SHEET TYP-02 OF 7 STA. TO STA.				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT 60J14			



EXISTING TYPICAL SECTION

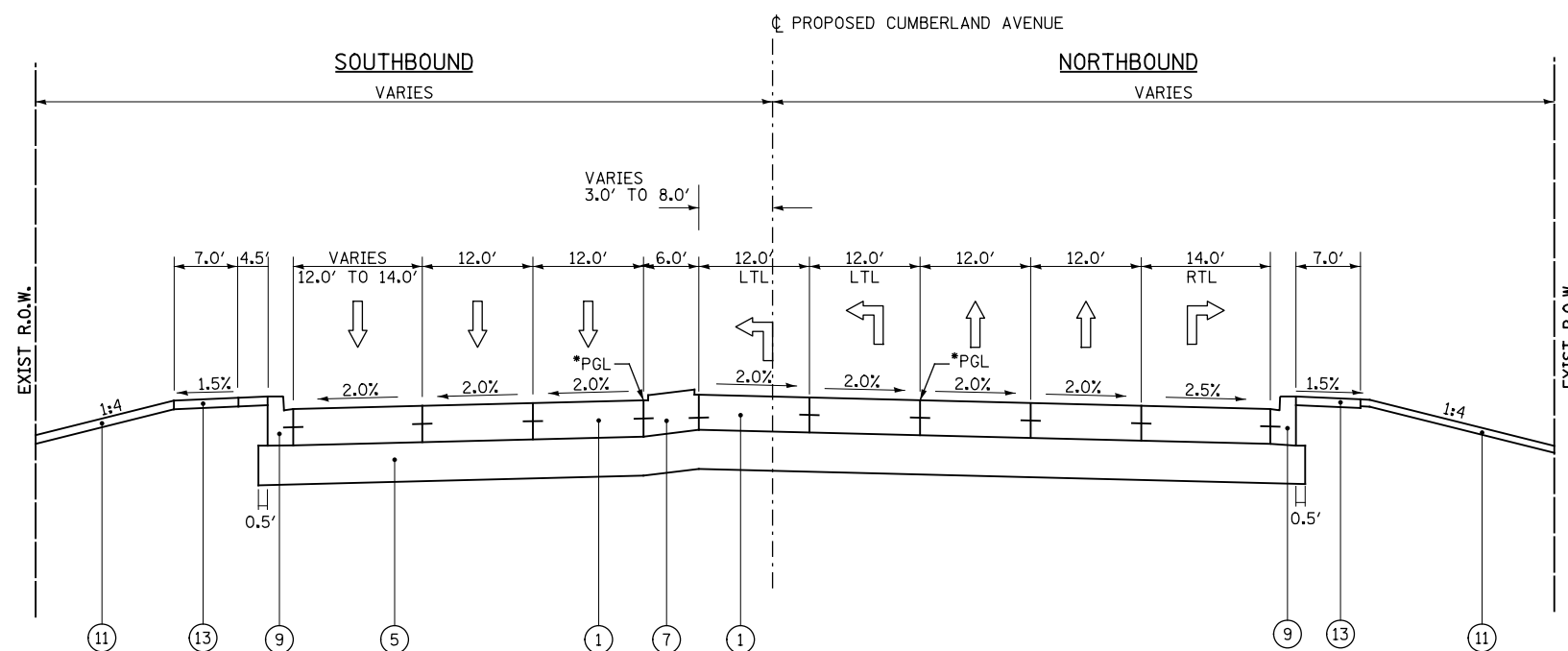
STA. 119+53.74 TO STA. 123+54.78
 BRIDGE LOCATION: (SEE STRUCTURAL PLANS)
 STA. 116+30.74 TO STA. 119+53.74

EXISTING LEGEND

- (A) HMA OVERLAY, 4"±
- (B) P.C.C. PAVEMENT, 9"±
- (C) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24
- (D) CONCRETE MEDIAN
- (E) P.C.C. SIDEWALK, 5"
- (F) CONCRETE RETAINING WALL
- (G) PAVED SHOULDER
- (H) AGGREGATE SUBGRADE, 12"

REMOVAL LEGEND

- (a) PAVEMENT REMOVAL
- (b) HOT-MIX ASPHALT REMOVAL, 2-1/2"
- (c) COMBINATION CURB AND GUTTER REMOVAL
- (d) MEDIAN REMOVAL
- (e) PAVED SHOULDER REMOVAL
- (f) SIDEWALK REMOVAL



PROPOSED TYPICAL SECTION

STA. 119+55.86 TO STA. 123+43.66
 BRIDGE LOCATION: (SEE STRUCTURAL PLANS)
 STA. 116+22.85 TO STA. 119+55.86

*SEE SHEET INT 06 OF 10 FOR PGL TRANSITION DETAIL

PROPOSED LEGEND

- (1) PORTLAND CEMENT CONCRETE PAVEMENT, 9 1/2" (JOINTED)
- (2) STABILIZED SUBBASE HOT-MIX ASPHALT, 4 1/2"
- (3) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- (4) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (5) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (6) HOT MIX ASPHALT SHOULDERS, 6"
- (7) CONCRETE MEDIAN, TYPE SB-6.12
- (8) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (9) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (10) PORTLAND CEMENT CONCRETE BASE COURSE, 9 1/2"
- (11) TOPSOIL FURNISH AND PLACE, 4" EROSION CONTROL BLANKET (SEE LANDSCAPING PLAN)
- (12) CONCRETE MEDIAN SURFACE, 4"
- (13) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (14) CONCRETE RETAINING WALL (SEE STRUCTURAL PLAN)

EXISTING LEGEND

- (A) HMA OVERLAY, 4"±
- (B) P.C.C. PAVEMENT, 9"±
- (C) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24
- (D) CONCRETE MEDIAN
- (E) P.C.C. SIDEWALK, 5"
- (F) CONCRETE RETAINING WALL
- (G) PAVED SHOULDER
- (H) AGGREGATE SUBGRADE, 12"

REMOVAL LEGEND

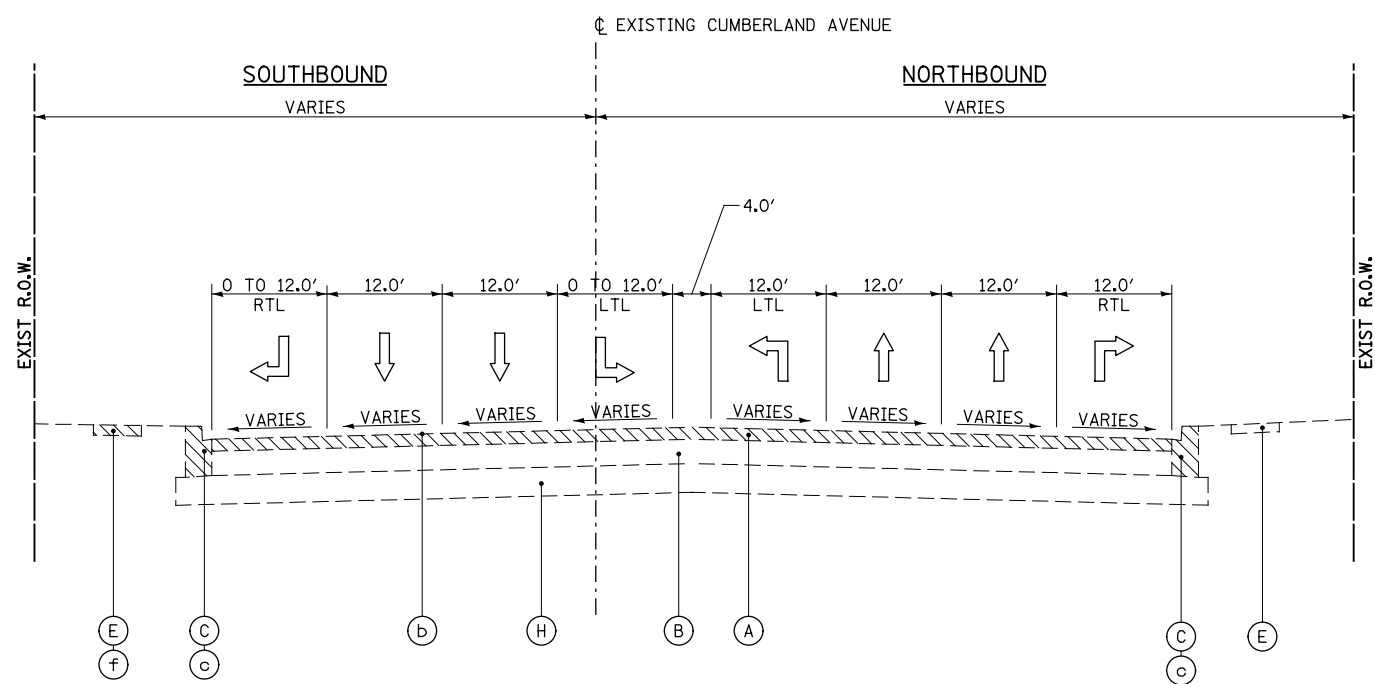
- (a) PAVEMENT REMOVAL
- (b) HOT-MIX ASPHALT REMOVAL, 2-1/2"
- (c) COMBINATION CURB AND GUTTER REMOVAL
- (d) MEDIAN REMOVAL
- (e) PAVED SHOULDER REMOVAL
- (f) SIDEWALK REMOVAL

PROPOSED LEGEND

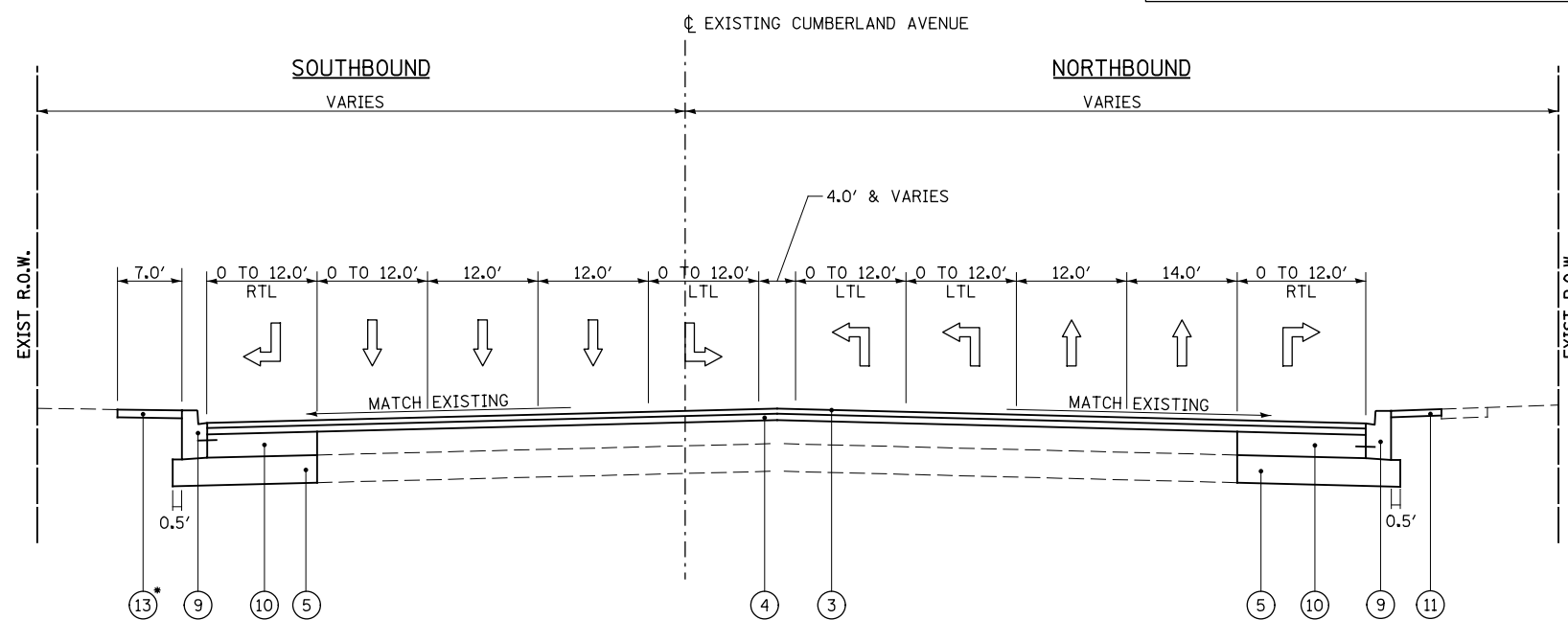
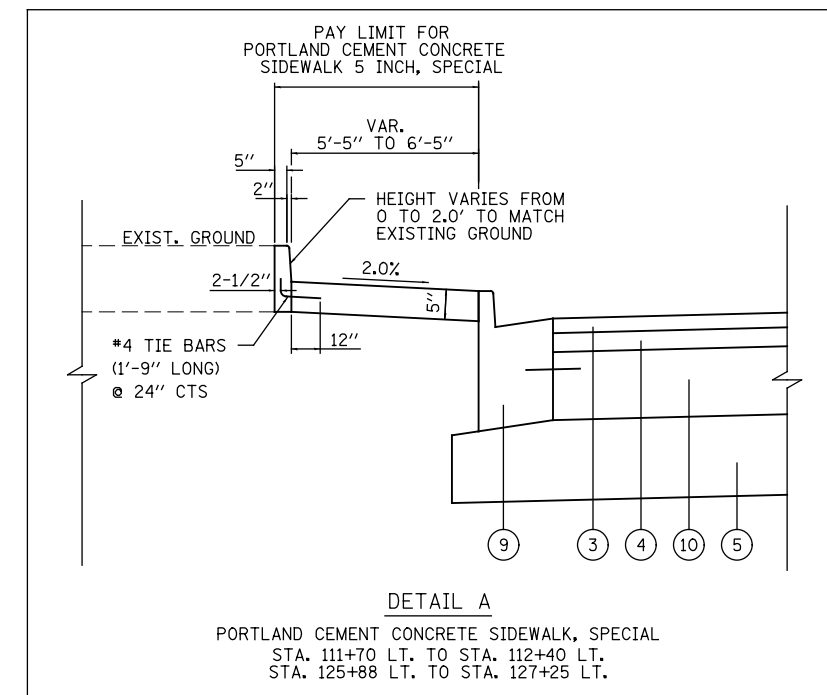
- (1) PORTLAND CEMENT CONCRETE PAVEMENT, 9 1/2" (JOINTED)
- (2) STABILIZED SUBBASE HOT-MIX ASPHALT, 4 1/2"
- (3) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- (4) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (5) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (6) HOT MIX ASPHALT SHOULDERS, 6"
- (7) CONCRETE MEDIAN, TYPE SB-6.12
- (8) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (9) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (10) PORTLAND CEMENT CONCRETE BASE COURSE, 9 1/2"
- (11) TOPSOIL FURNISH AND PLACE, 4" EROSION CONTROL BLANKET (SEE LANDSCAPING PLAN)
- (12) CONCRETE MEDIAN SURFACE, 4"
- (13) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (14) CONCRETE RETAINING WALL (SEE STRUCTURAL PLAN)

**STRUCTURAL PAVEMENT DESIGN INFORMATION
BLOCK FOR CUMBERLAND AVENUE**

STRUCTURAL TRAFFIC:	YEAR	2030
PV=	39,480	SU= 3,760 MU= 3,760
ROAD/STREET CLASSIFICATION:	CLASS	1
P=	8%	S= 37% M= 37%
TRAFFIC FACTOR:	Actual TF=	23.39 AC Type=
	Minimum TF=	4.13
AC GRADE:	Binder=	Surface=
SUBGRADE SUPPORT RATING:		
SSR=	2.00	(Sta. _____ to _____)
SSR=		(Sta. _____ to _____)



EXISTING TYPICAL SECTION
STA. 123+54.78 TO STA. 132+00.73



PROPOSED TYPICAL SECTION
STA. 123+54.78 TO STA. 132+00.73

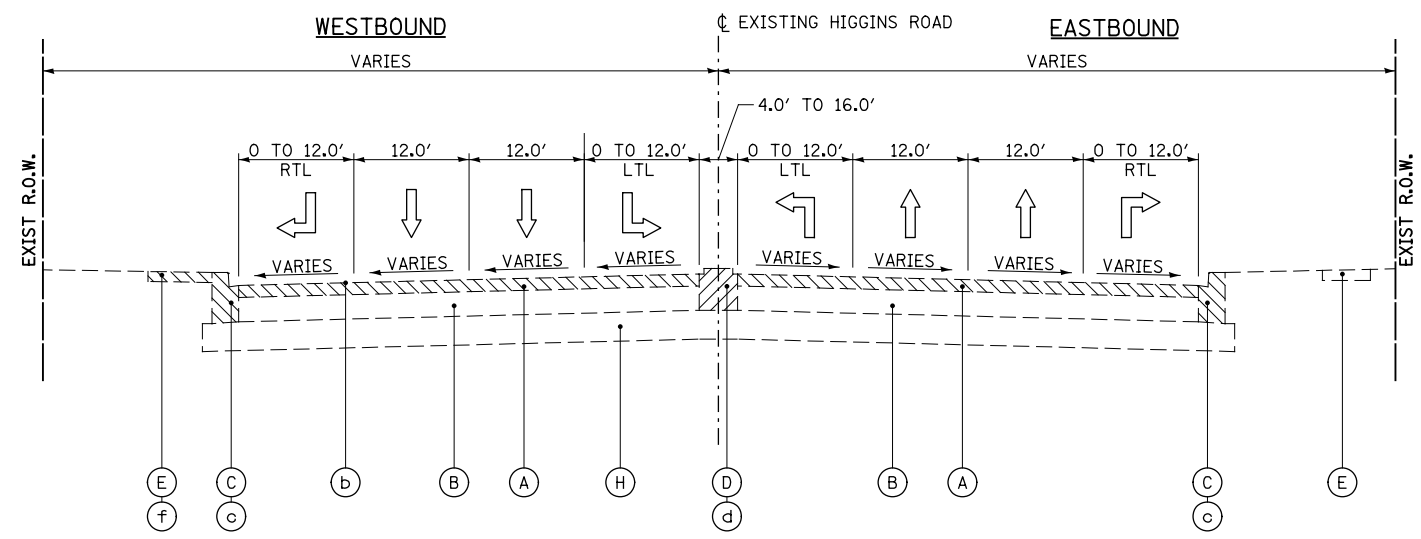
*SEE DETAIL A FOR PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
I-90 RAMP 6 & BRYN MAWR SPUR	
SCALE: NTS	SHEET TYP-04 OF 7
STA. _____ TO STA. _____	STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	46
				60J14
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



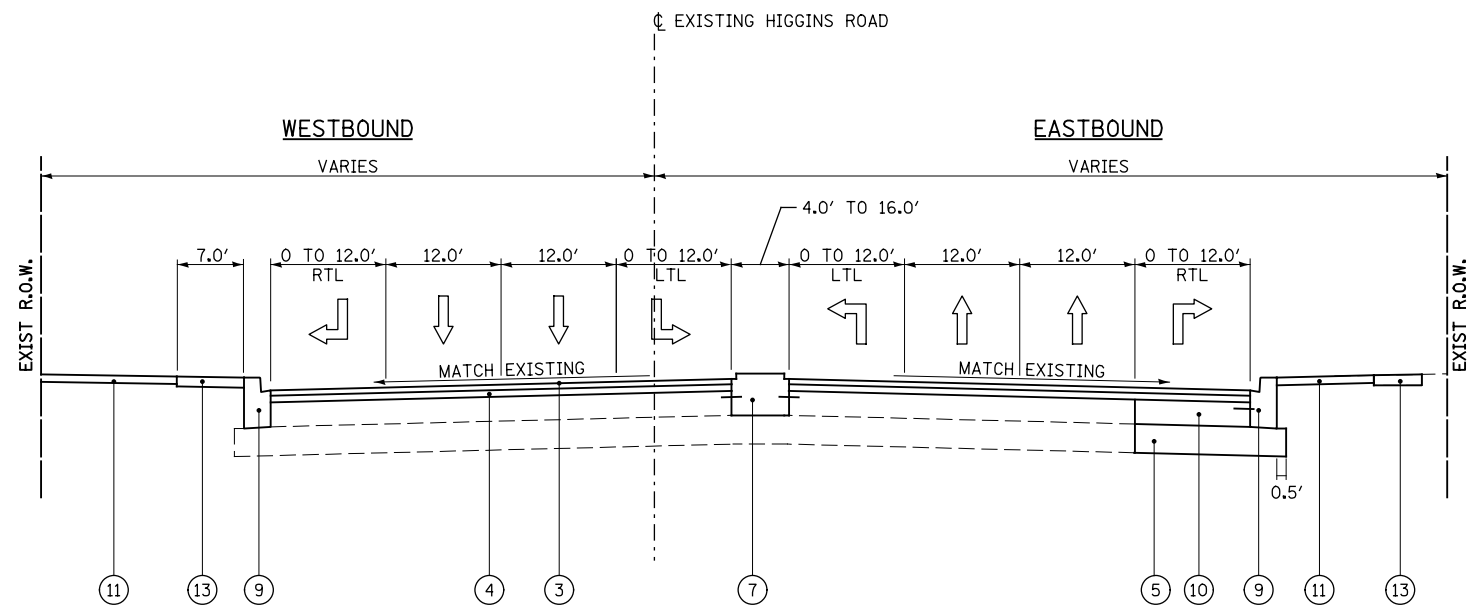
EXISTING TYPICAL SECTION
STA. 3+47.33 TO STA. 16+60.80

EXISTING LEGEND

- (A) HMA OVERLAY, 4"±
- (B) P.C.C. PAVEMENT, 9"±
- (C) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24
- (D) CONCRETE MEDIAN
- (E) P.C.C. SIDEWALK, 5"
- (F) CONCRETE RETAINING WALL
- (G) PAVED SHOULDER
- (H) AGGREGATE SUBGRADE, 12"

REMOVAL LEGEND

- (a) PAVEMENT REMOVAL
- (b) HOT-MIX ASPHALT REMOVAL, 2-1/2"
- (c) COMBINATION CURB AND GUTTER REMOVAL
- (d) MEDIAN REMOVAL
- (e) PAVED SHOULDER REMOVAL
- (f) SIDEWALK REMOVAL



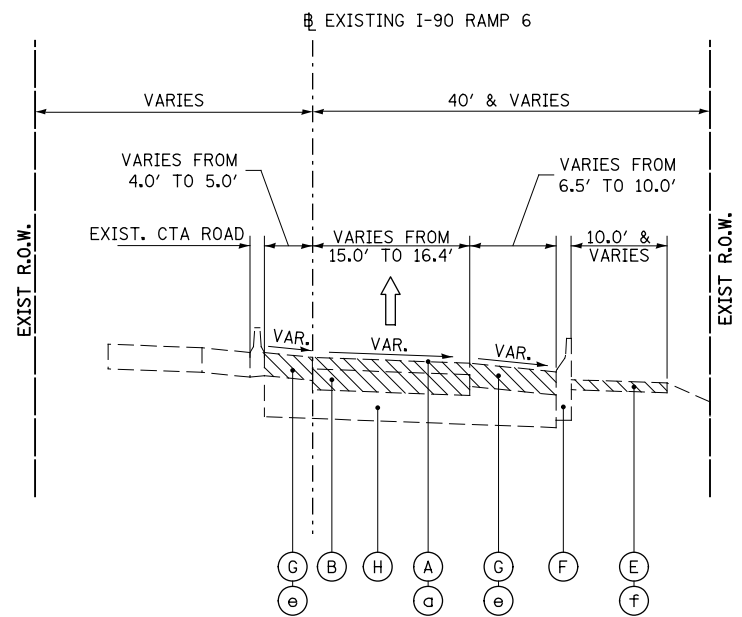
PROPOSED TYPICAL SECTION
STA. 3+47.33 TO STA. 16+60.80

PROPOSED LEGEND

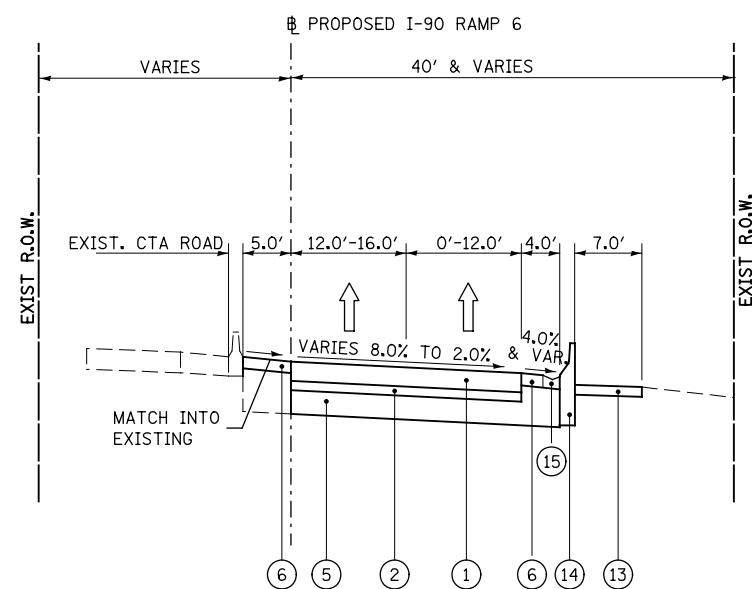
- (1) PORTLAND CEMENT CONCRETE PAVEMENT, 9 1/2" (JOINTED)
- (2) STABILIZED SUBBASE HOT-MIX ASPHALT, 4 1/2"
- (3) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- (4) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (5) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (6) HOT MIX ASPHALT SHOULDERS, 6"
- (7) CONCRETE MEDIAN, TYPE SB-6.12
- (8) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (9) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (10) PORTLAND CEMENT CONCRETE BASE COURSE, 9 1/2"
- (11) TOPSOIL FURNISH AND PLACE, 4" EROSION CONTROL BLANKET (SEE LANDSCAPING PLAN)
- (12) CONCRETE MEDIAN SURFACE, 4"
- (13) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (14) CONCRETE RETAINING WALL (SEE STRUCTURAL PLAN)

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	SCALE: NTS SHEET TYP-05 OF 7 STA. TO STA.				60J14			

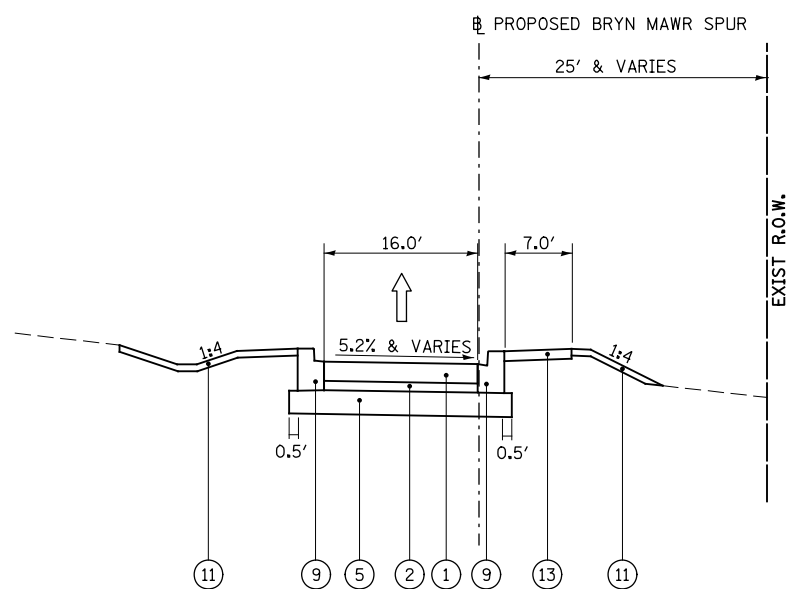
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EXISTING TYPICAL SECTION
STA. 12+82.51 TO STA. 20+80.00



PROPOSED TYPICAL SECTION
STA. 12+82.51 TO STA. 20+80.00



PROPOSED TYPICAL SECTION
STA. 1+00.00 TO STA. 4+50.00

EXISTING LEGEND

- (A) HMA OVERLAY, 4"±
- (B) P.C.C. PAVEMENT, 9"±
- (C) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24
- (D) CONCRETE MEDIAN
- (E) P.C.C. SIDEWALK, 5"
- (F) CONCRETE RETAINING WALL
- (G) PAVED SHOULDER
- (H) AGGREGATE SUBGRADE, 12"

REMOVAL LEGEND

- (a) PAVEMENT REMOVAL
- (b) HOT-MIX ASPHALT REMOVAL, 2-1/2"
- (c) COMBINATION CURB AND GUTTER REMOVAL
- (d) MEDIAN REMOVAL
- (e) PAVED SHOULDER REMOVAL
- (f) SIDEWALK REMOVAL

PROPOSED LEGEND

- (1) PORTLAND CEMENT CONCRETE PAVEMENT, 9 1/2" (JOINTED)
- (2) STABILIZED SUBBASE HOT-MIX ASPHALT, 4 1/2"
- (3) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- (4) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (5) AGGREGATE SUBGRADE IMPROVEMENT, 12" (THICKNESS VARIES UNDER SHOULDER)
- (6) HOT MIX ASPHALT SHOULDERS, 6"
- (7) CONCRETE MEDIAN, TYPE SB-6.12
- (8) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (9) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (10) PORTLAND CEMENT CONCRETE BASE COURSE, 9 1/2"
- (11) TOPSOIL FURNISH AND PLACE, 4" EROSION CONTROL BLANKET (SEE LANDSCAPING PLAN)
- (12) CONCRETE MEDIAN SURFACE, 4"
- (13) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (14) CONCRETE RETAINING WALL (SEE STRUCTURAL PLAN)
- (15) CONCRETE GUTTER, TYPE B

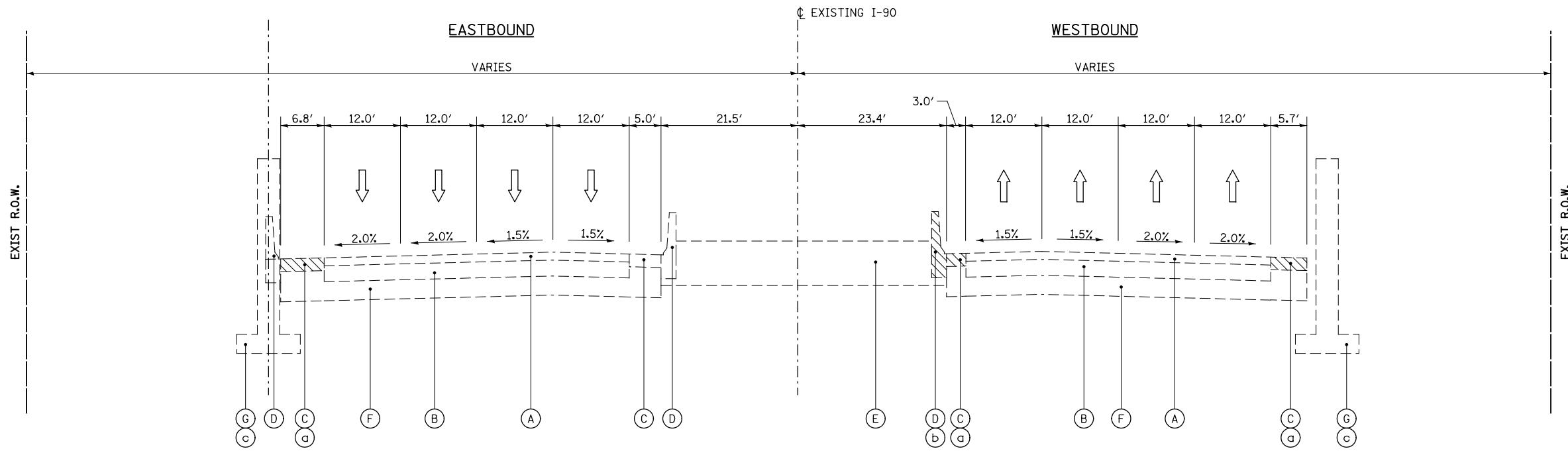
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
CUMBERLAND AVENUE**

SCALE: NTS SHEET TYP-06 OF 7 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	48
				60J14

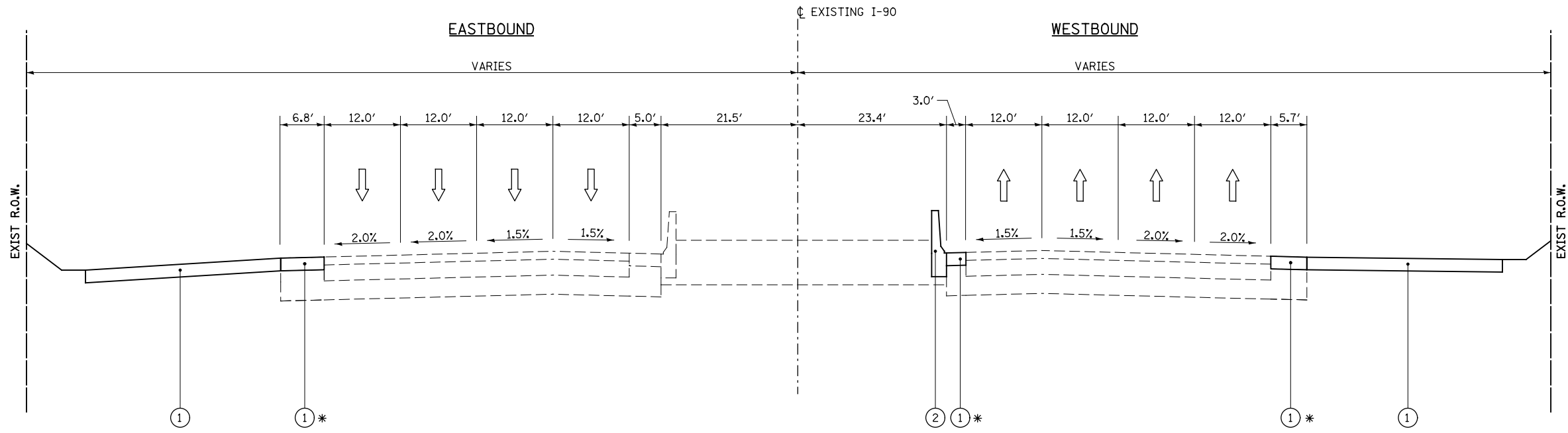


EXISTING TYPICAL SECTION
I-90 UNDER CUMBERLAND AVENUE

- EXISTING LEGEND**
- (A) HMA SURFACE COURSE, 4"±
 - (B) HMA BASE COURSE 9"±
 - (C) HMA SHOULDER
 - (D) CONCRETE PARAPET
 - (E) CTA PLATFORM
 - (F) AGGREGATE SUBGRADE, 12"
 - (G) CONCRETE PIER

- REMOVAL LEGEND**
- (a) SHOULDER REMOVAL
 - (b) CONCRETE BARRIER WALL REMOVAL
 - (c) CONCRETE PIER TO BE REMOVED

- PROPOSED LEGEND**
- (1) HOT MIX ASPHALT SHOULDER, 6"
 - (2) CONCRETE BARRIER WALL (SPECIAL)
 - (3) AGGREGATE SHOULDER IMPROVEMENT, 12"



PROPOSED TYPICAL SECTION
I-90 UNDER CUMBERLAND AVENUE
* SHOULDER REPLACED 138' & 122.6' IN EB AND WB DIRECTIONS RESPECTIVELY.

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DATE - 2/18/2013

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

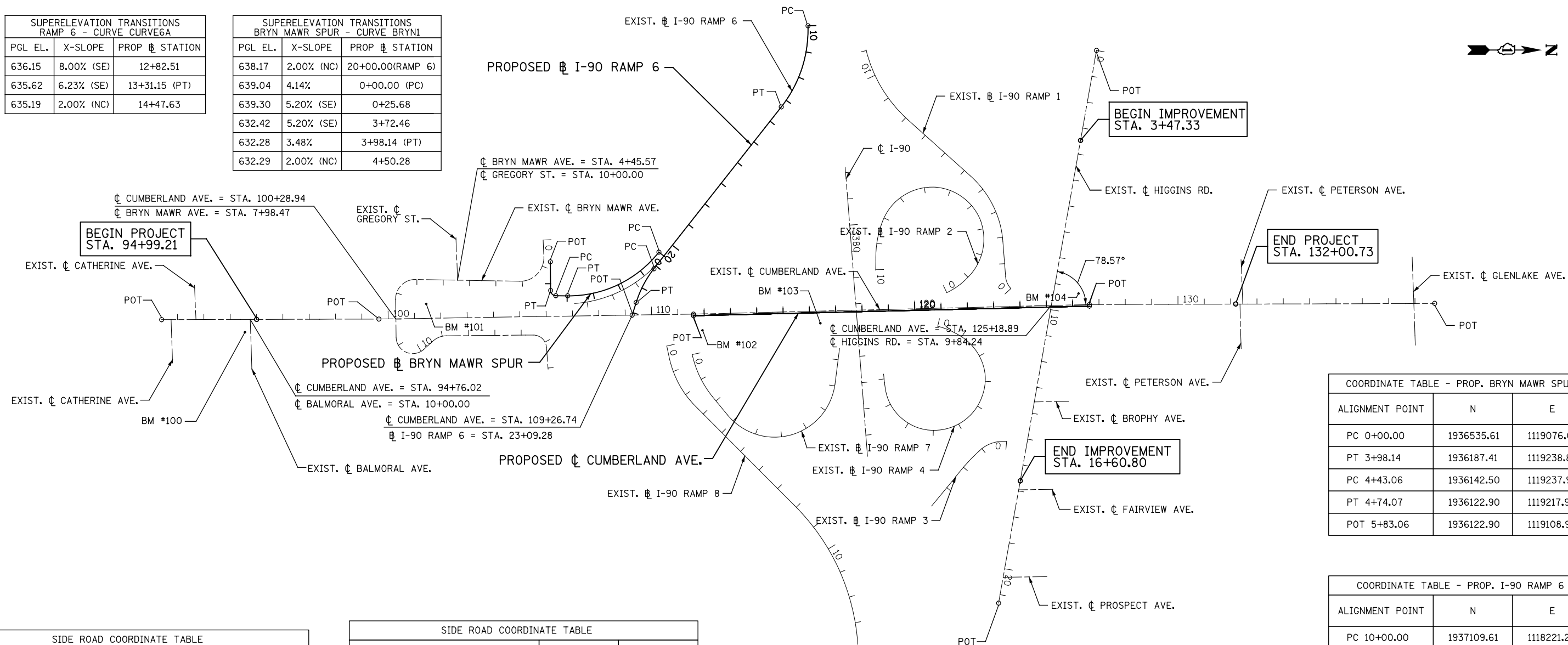
**TYPICAL SECTIONS
I-90**

SCALE: NTS SHEET TYP-07 OF 7 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	49
				60J14
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SUPERELEVATION TRANSITIONS RAMP 6 - CURVE CURVE6A		
PGL EL.	X-SLOPE	PROP STATION
636.15	8.00% (SE)	12+82.51
635.62	6.23% (SE)	13+31.15 (PT)
635.19	2.00% (NC)	14+47.63

SUPERELEVATION TRANSITIONS BRYN MAWR SPUR - CURVE BRYN1		
PGL EL.	X-SLOPE	PROP STATION
638.17	2.00% (NC)	20+00.00(RAMP 6)
639.04	4.14%	0+00.00 (PC)
639.30	5.20% (SE)	0+25.68
632.42	5.20% (SE)	3+72.46
632.28	3.48%	3+98.14 (PT)
632.29	2.00% (NC)	4+50.28



BEGIN PROJECT
STA. 94+99.21

BEGIN IMPROVEMENT
STA. 3+47.33

END PROJECT
STA. 132+00.73

END IMPROVEMENT
STA. 16+60.80

SIDE ROAD COORDINATE TABLE		
LOCATION	N	E
CL CUMBERLAND AVE. = 91+75.33 CL CATHERINE AVE. = 10+00.00	1934680.60	1119315.28
CL CUMBERLAND AVE. = 92+69.61 CL CATHERINE AVE. = 10+00.00	1934774.88	1119315.89
CL CUMBERLAND AVE. = 94+76.02 CL BALMORAL AVE. = 10+00.00	1934981.29	1119317.23
CL CUMBERLAND AVE. = 100+28.94 CL BRYN MAWR AVE. = 7+98.47	1935534.19	1119319.98
CL CUMBERLAND AVE. = 125+18.89 CL HIGGINS ROAD = 9+84.24	1938023.97	1119292.31
CL CUMBERLAND AVE. = 132+35.25 CL PETERSON AVE. = 10+00.00	1938740.29	1119293.08
CL CUMBERLAND AVE. = 132+46.32 CL PETERSON AVE. = 10+00.00	1938751.36	1119293.26
CL CUMBERLAND AVE. = 138+95.75 CL GLENLAKE AVE. = 10+00.00	1938751.36	1119297.03

SIDE ROAD COORDINATE TABLE		
LOCATION	N	E
CL HIGGINS ROAD = 13+56.36 CL BROPHY AVE. = 10+00.00	1937955.73	1119658.12
CL HIGGINS ROAD = 16+95.41 CL FAIRVIEW AVE. = 10+00.00	1937893.56	1119991.42
CL HIGGINS ROAD = 20+32.87 CL PROSPECT AVE. = 10+00.00	1937831.68	1120323.16
CL BRYN MAWR AVE. = 4+45.57 CL GREGORY ST. = 10+00.00	1935770.05	1119175.49

PROP. CURVE CURVE6A
PI STA. = 11+72.63
Δ = 39° 56' 41" (RT)
D = 12° 03' 44"
R = 475.00'
T = 172.63'
L = 331.15'
E = 30.40'
e = 8.0%
P.C. STA. = 10+00.00
P.T. STA. = 13+31.15
DESIGN SPEED = 40 MPH

PROP. CURVE CURVE6B
PI STA. = 21+86.97
Δ = 20° 51' 00" (LT)
D = 14° 19' 26"
R = 400.00'
T = 73.59'
L = 145.56'
E = 6.71'
e = NC
P.C. STA. = 21+13.38
P.T. STA. = 22+58.94
DESIGN SPEED = 40 MPH

PROP. CURVE BRYN1
PI STA. = 2+14.24
Δ = 52° 26' 27" (RT)
D = 13° 10' 17"
R = 435.00'
T = 214.24'
L = 398.14'
E = 49.90'
e = 5.2%
P.C. STA. = 0+00.00
P.T. STA. = 3+98.14
DESIGN SPEED = 30 MPH

PROP. CURVE BRYN2
PI STA. = 4+62.66
Δ = 88° 50' 25" (RT)
D = 286° 28' 44"
R = 20.00'
T = 19.60'
L = 31.01'
E = 8.00'
e = NC
P.C. STA. = 4+43.06
P.T. STA. = 4+74.07
DESIGN SPEED = 20 MPH

COORDINATE TABLE - PROP. BRYN MAWR SPUR		
ALIGNMENT POINT	N	E
PC 0+00.00	1936535.61	1119076.03
PT 3+98.14	1936187.41	1119238.85
PC 4+43.06	1936142.50	1119237.94
PT 4+74.07	1936122.90	1119217.94
POT 5+83.06	1936122.90	1119108.96

COORDINATE TABLE - PROP. I-90 RAMP 6		
ALIGNMENT POINT	N	E
PC 10+00.00	1937109.61	1118221.24
PT 13+31.15	1937005.32	1118528.51
PC 21+13.38	1936516.04	1119138.82
PT 22+58.94	1936447.42	1119266.28
POT 23+09.28	1936431.98	1119314.19

COORDINATE TABLE - PROP. CUMBERLAND AVE.		
ALIGNMENT POINT	N	E
POT 111+59.26	1936664.53	1119318.53
POT 126+63.60	1938168.70	1119295.97

COORDINATE TABLE - EXIST. CUMBERLAND AVE.		
ALIGNMENT POINT	N	E
POT 91+39.41	1934644.69	1119315.05
POT 99+64.55	1935469.80	1119320.39
POT 111+59.26	1936664.49	1119312.69
POT 126+63.55	1938168.61	1119290.14
POT 139+74.94	1939479.97	1119297.44

COORDINATE TABLE - HIGGINS ROAD		
ALIGNMENT POINT	N	E
POT 0+00.00	1938204.44	1118324.76
POT 21+32.52	1937813.41	1120421.12

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CHECKED - JAH
DATE - 2/18/2013

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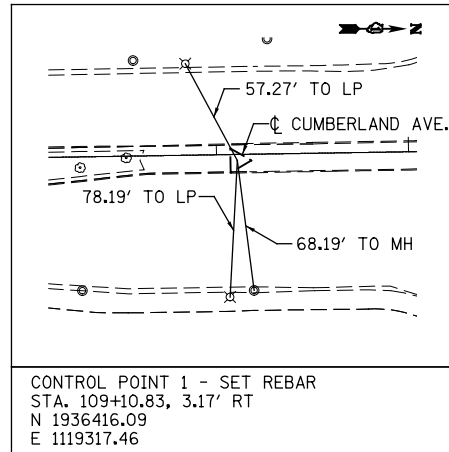
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES & BENCHMARKS

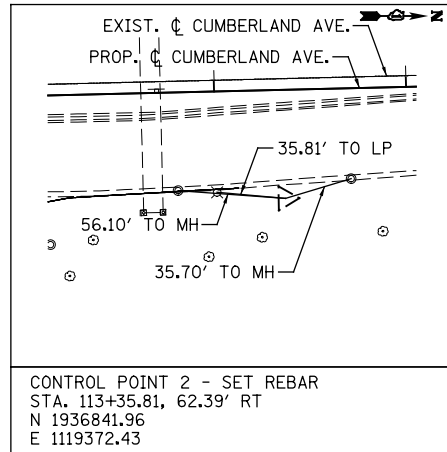
SCALE: 1"=200' SHEET ALI-01 OF 2

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	50

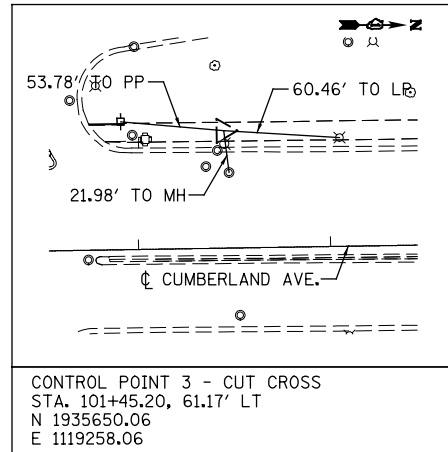
60J14
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



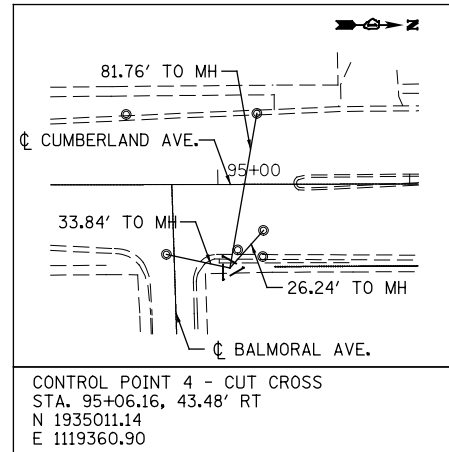
CONTROL POINT 1 - SET REBAR
 STA. 109+10.83, 3.17' RT
 N 1936416.09
 E 1119317.46



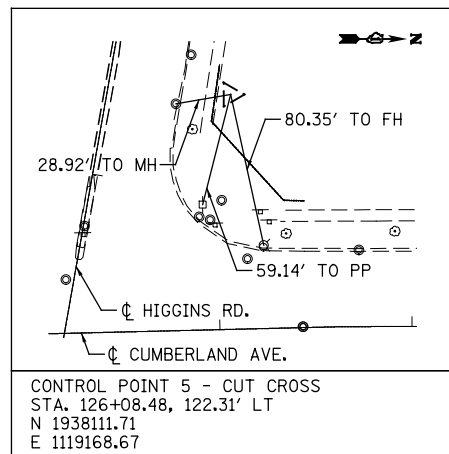
CONTROL POINT 2 - SET REBAR
 STA. 113+35.81, 62.39' RT
 N 1936841.96
 E 1119372.43



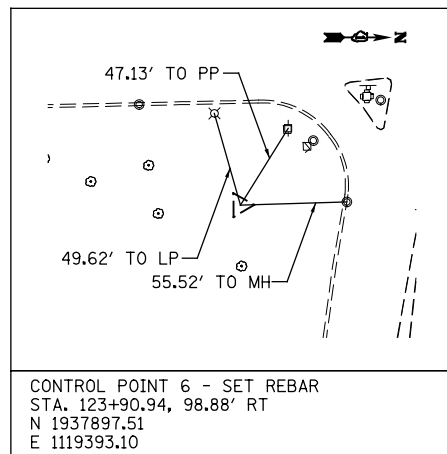
CONTROL POINT 3 - CUT CROSS
 STA. 101+45.20, 61.17' LT
 N 1935650.06
 E 1119258.06



CONTROL POINT 4 - CUT CROSS
 STA. 95+06.16, 43.48' RT
 N 1935011.14
 E 1119360.90



CONTROL POINT 5 - CUT CROSS
 STA. 126+08.48, 122.31' LT
 N 1938111.71
 E 1119168.67



CONTROL POINT 6 - SET REBAR
 STA. 123+90.94, 98.88' RT
 N 1937897.51
 E 1119393.10

BENCHMARKS

BM100: CUT CROSS IN BOLT ON FIRE HYDRANT AT SOUTHEAST CORNER OF CUMBERLAND AVENUE AND BALMORAL AVENUE. FIRE HYDRANT IS 15 FEET SOUTH OF INTERSECTION AND EAST OF CUMBERLAND.

ELEVATION - 634.42
 STA. 94+55.73, 48.35' RT
 N 1934960.68
 E 1119365.45

BM101: CUT CROSS IN BOLT ON FIRE HYDRANT AT NORTHWEST CORNER OF CUMBERLAND AVENUE AND BRYN MAWR AVENUE. FIRE HYDRANT IS 100 FEET NORTH OF INTERSECTION AND WEST OF CUMBERLAND.

ELEVATION - 635.67
 STA. 101+45.25, 54.74' LT
 N 1935650.15
 E 1119264.49

BM102: CUT CROSS ON BOLT FOR TRAFFIC SIGNAL AND NORTHWEST CORNER OF CUMBERLAND AVENUE AND THE RAMP FROM NORTHBOUND CUMBERLAND TO EASTBOUND I-90. MARK IS 40 FEET NORTH OF CENTERLINE OF INTERSECTION.

ELEVATION - 645.68
 STA. 111+92.56, 62.18' RT
 N 1936698.72
 E 1119374.37

BM103: CUT SQUARE AT SOUTHEAST CORNER OF BRIDGE AT BEGINNING OF METAL HAND RAIL.

ELEVATION - 657.65
 STA. 116+40.43, 46.16' RT
 N 1937146.30
 E 1119351.63

BM104: CUT CROSS IN BOLT ON FIRE HYDRANT AT NORTHWEST CORNER OF INTERSECTION OF CUMBERLAND AVENUE AND HIGGINS ROAD. FIRE HYDRANT IS 50 FEET NORTH OF INTERSECTION AND WEST OF CUMBERLAND.

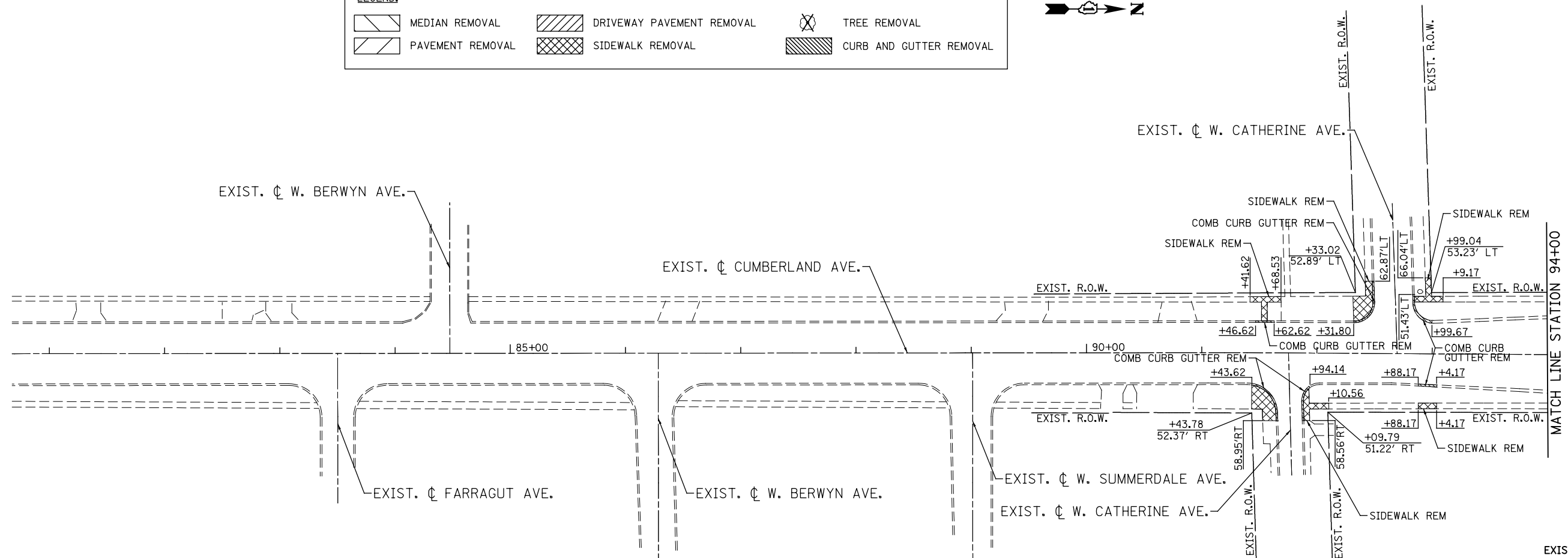
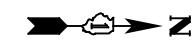
ELEVATION - 638.62
 STA. 126+23.58, 42.94' LT
 N 1938128.00
 E 1119247.80

PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = tkceppen(Rdwy_Lisle) PLOT CONFIG = PDF(Grey_Small).plt PLOT SCALE = 1:100 PLOT DATE = 2/18/2013 4:47:52 PM	DESIGNED - CPK DRAWN - MJP CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT, TIES & BENCHMARKS				F.A.U. RTE. 2746 SECTION 1616B COUNTY COOK TOTAL SHEETS 404 SHEET NO. 51
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					60J14				

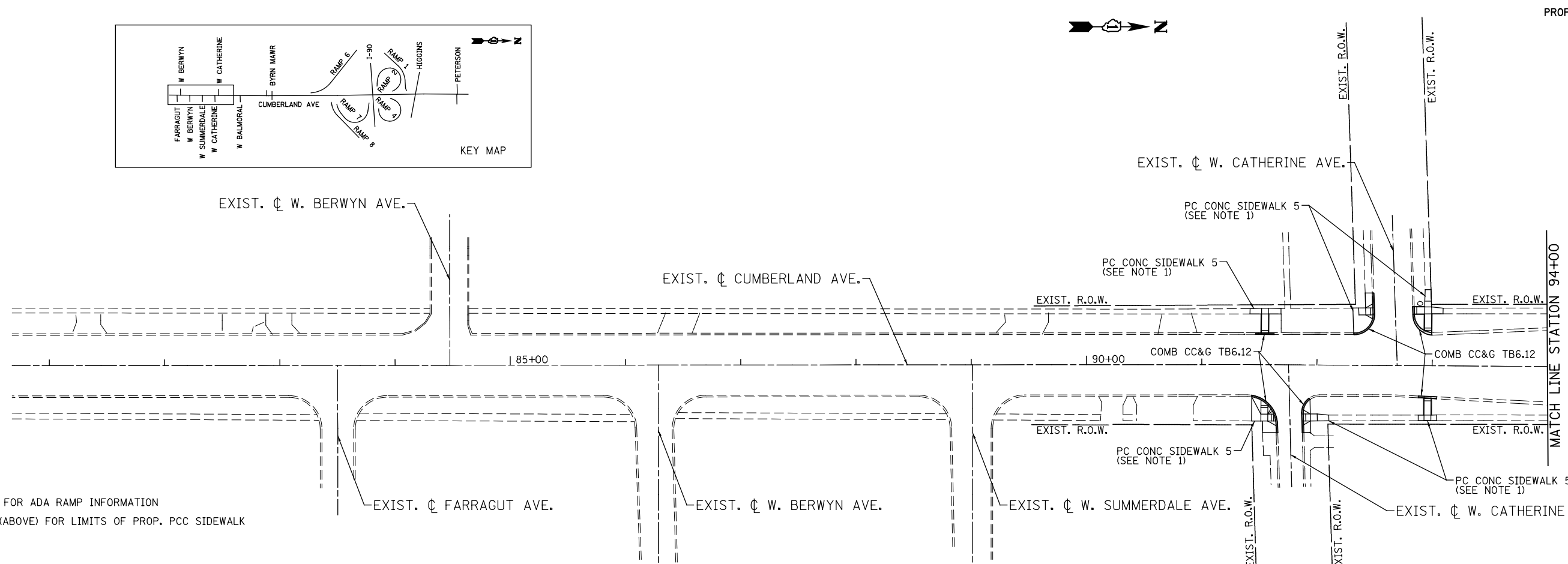
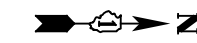
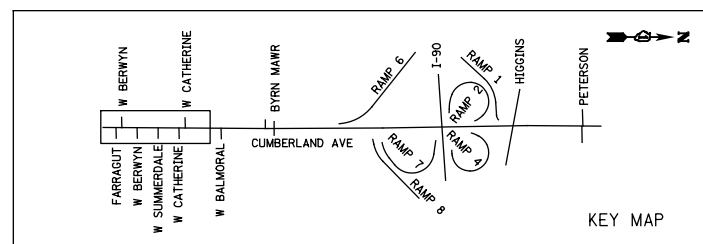
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LEGEND:

	MEDIAN REMOVAL		DRIVEWAY PAVEMENT REMOVAL		TREE REMOVAL
	PAVEMENT REMOVAL		SIDEWALK REMOVAL		CURB AND GUTTER REMOVAL



EXISTING



PROPOSED

- NOTES**
- SEE ADA DETAIL SHEETS FOR ADA RAMP INFORMATION
 - SEE SIDEWALK REMOVAL (ABOVE) FOR LIMITS OF PROP. PCC SIDEWALK

<p>PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com</p>	USER NAME = tkceppniRdwj_L1sle	DESIGNED - JSS	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
CUMBERLAND AVENUE**

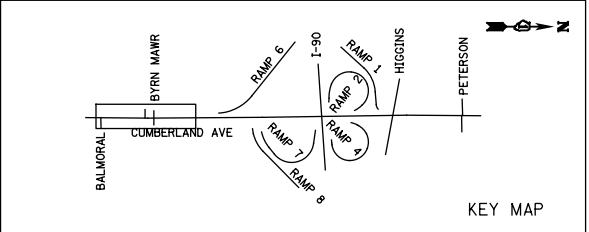
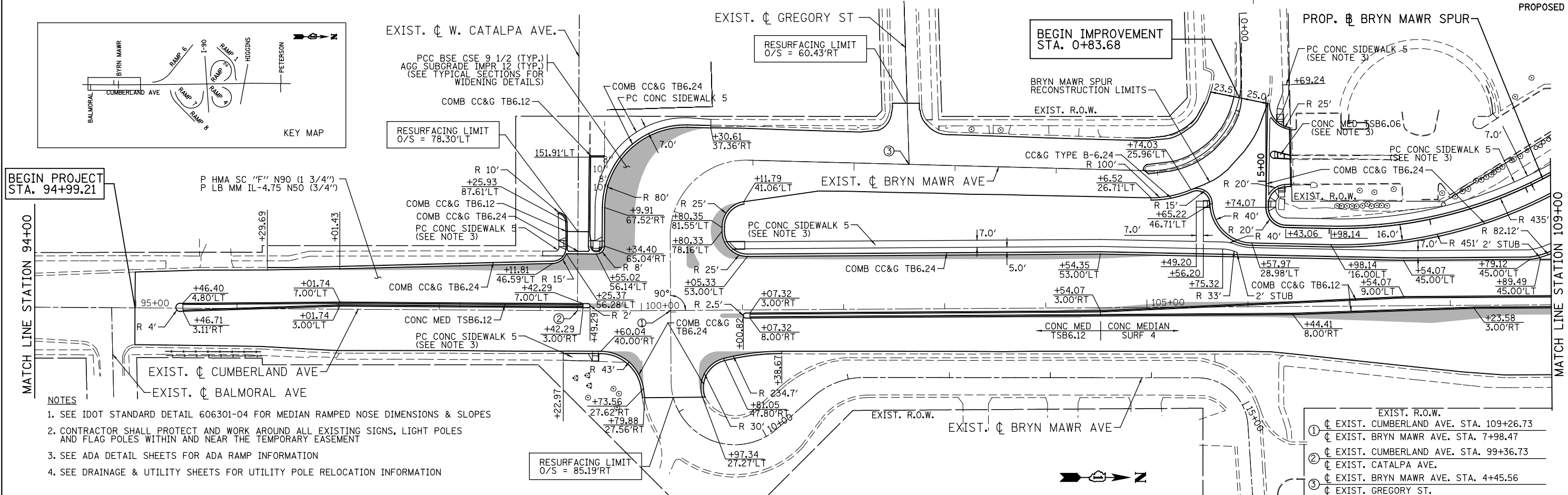
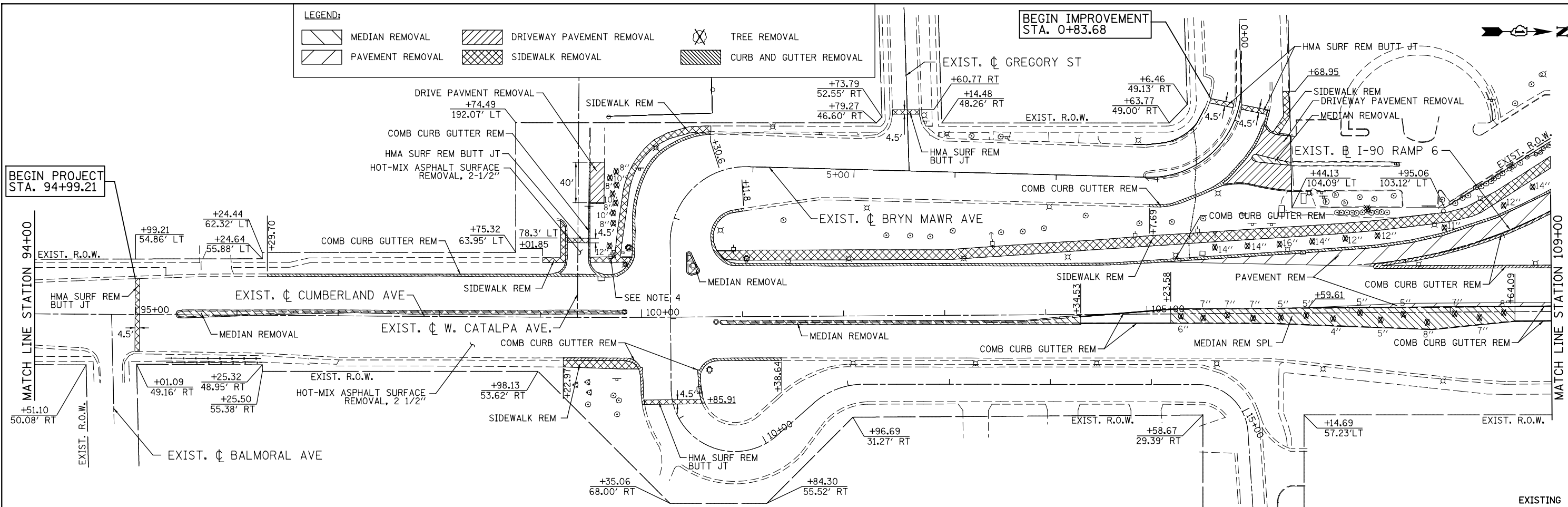
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	52
				60J14
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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LEGEND:

	MEDIAN REMOVAL		DRIVEWAY PAVEMENT REMOVAL		TREE REMOVAL
	PAVEMENT REMOVAL		SIDEWALK REMOVAL		CURB AND GUTTER REMOVAL



BEGIN PROJECT STA. 94+99.21

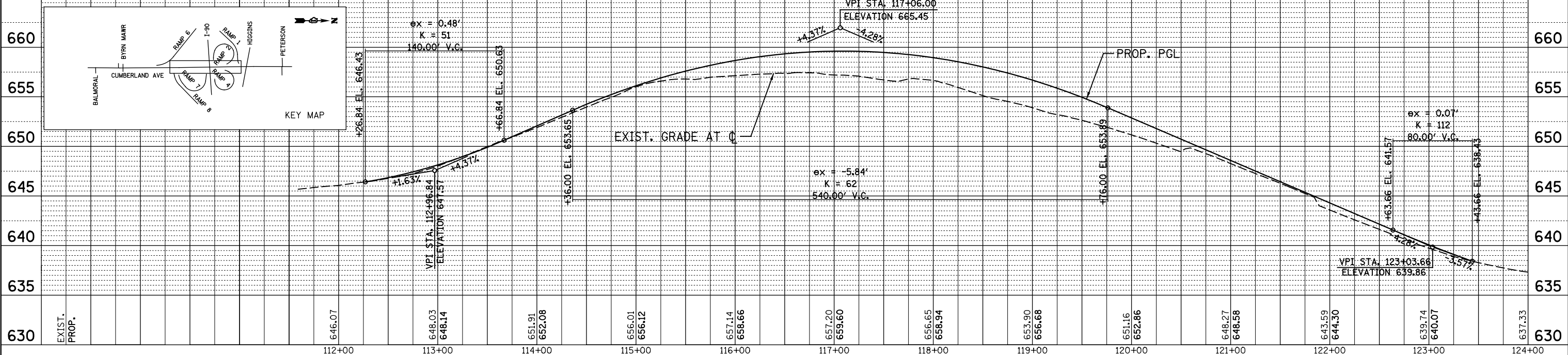
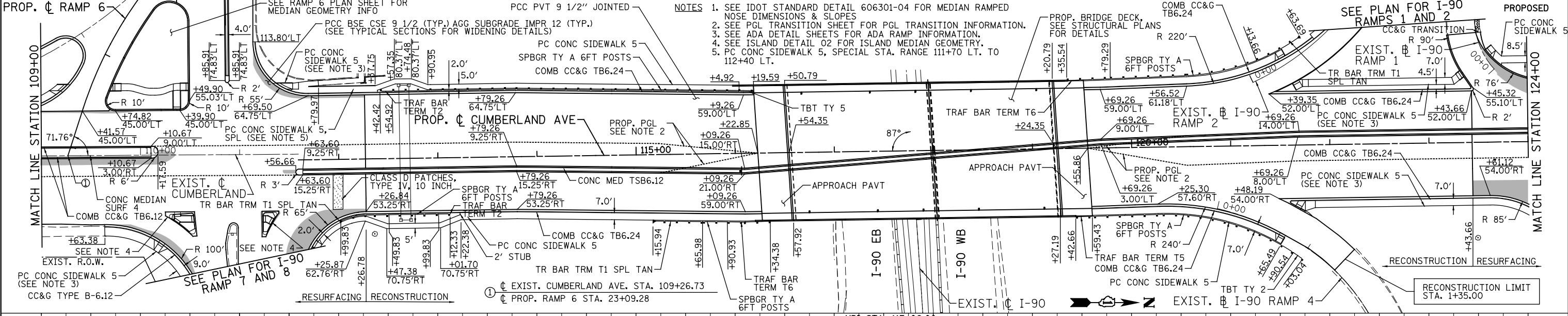
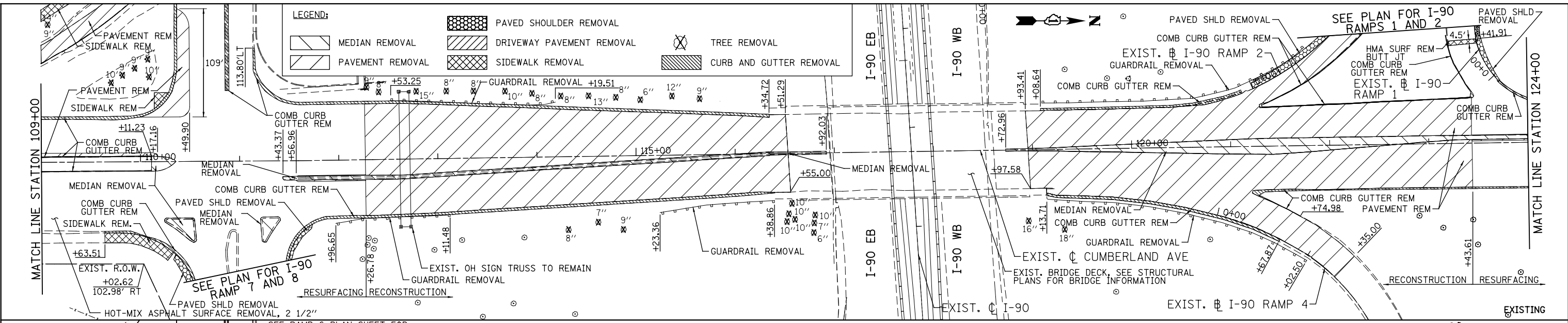
BEGIN IMPROVEMENT STA. 0+83.68

- NOTES**
- SEE IDOT STANDARD DETAIL 606301-04 FOR MEDIAN RAMPED NOSE DIMENSIONS & SLOPES
 - CONTRACTOR SHALL PROTECT AND WORK AROUND ALL EXISTING SIGNS, LIGHT POLES AND FLAG POLES WITHIN AND NEAR THE TEMPORARY EASEMENT
 - SEE ADA DETAIL SHEETS FOR ADA RAMP INFORMATION
 - SEE DRAINAGE & UTILITY SHEETS FOR UTILITY POLE RELOCATION INFORMATION

- EXIST. R.O.W.
- EXIST. CUMBERLAND AVE. STA. 109+26.73
 - EXIST. BRYN MAWR AVE. STA. 7+98.47
 - EXIST. CUMBERLAND AVE. STA. 99+36.73
 - EXIST. CATALPA AVE.
 - EXIST. BRYN MAWR AVE. STA. 4+45.56
 - EXIST. GREGORY ST.

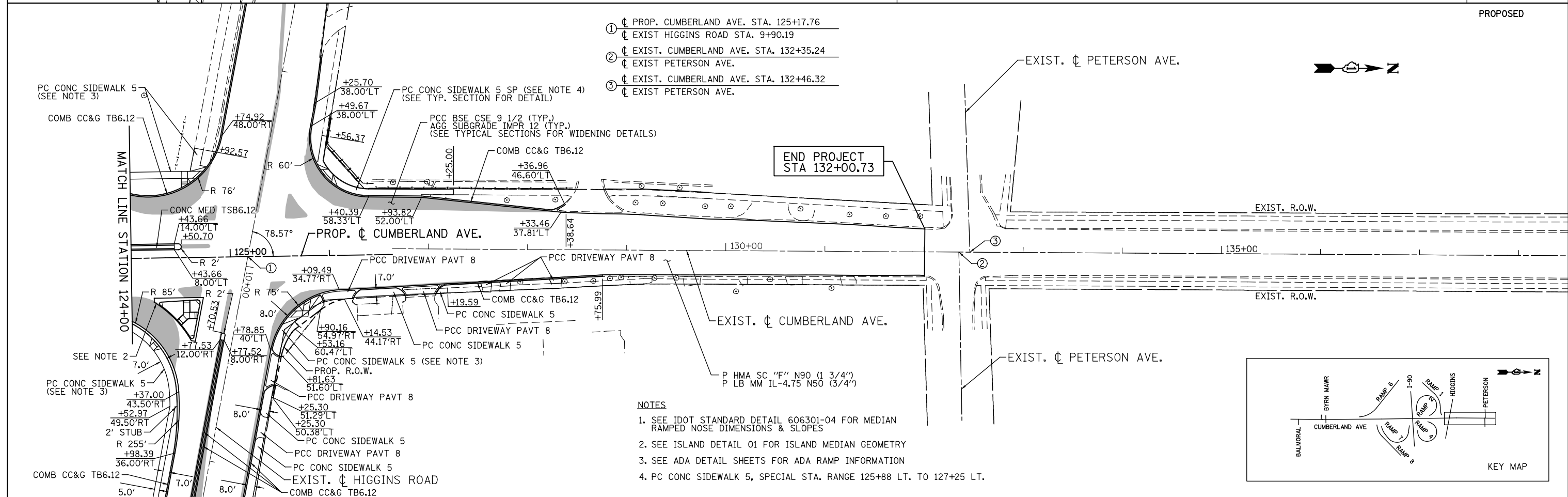
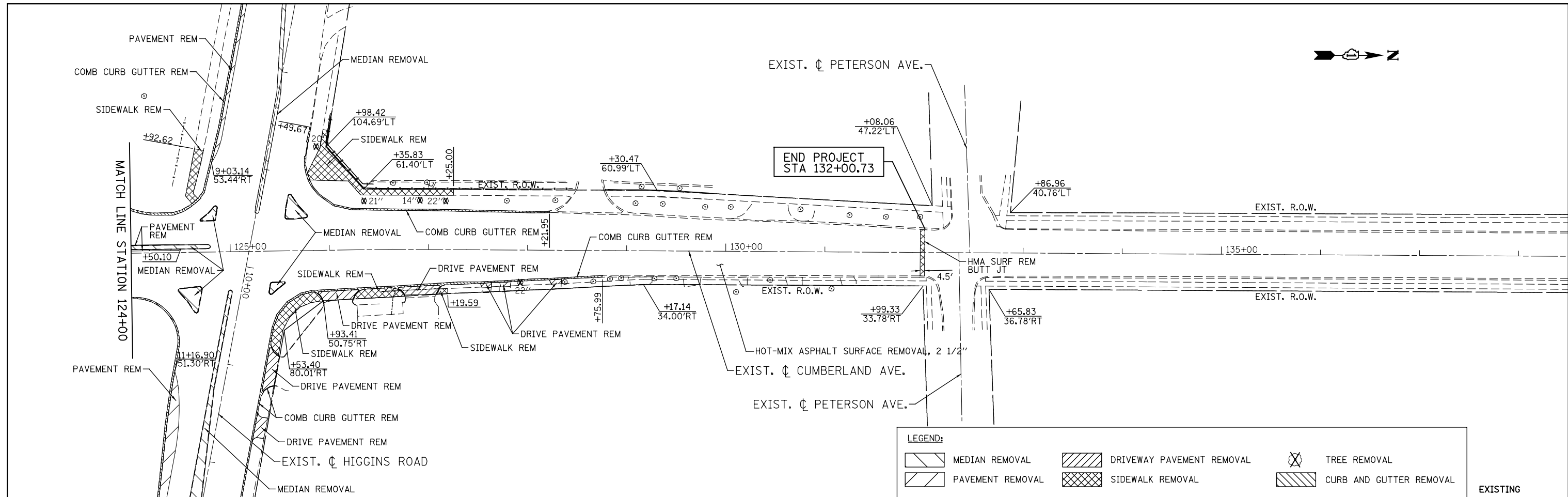
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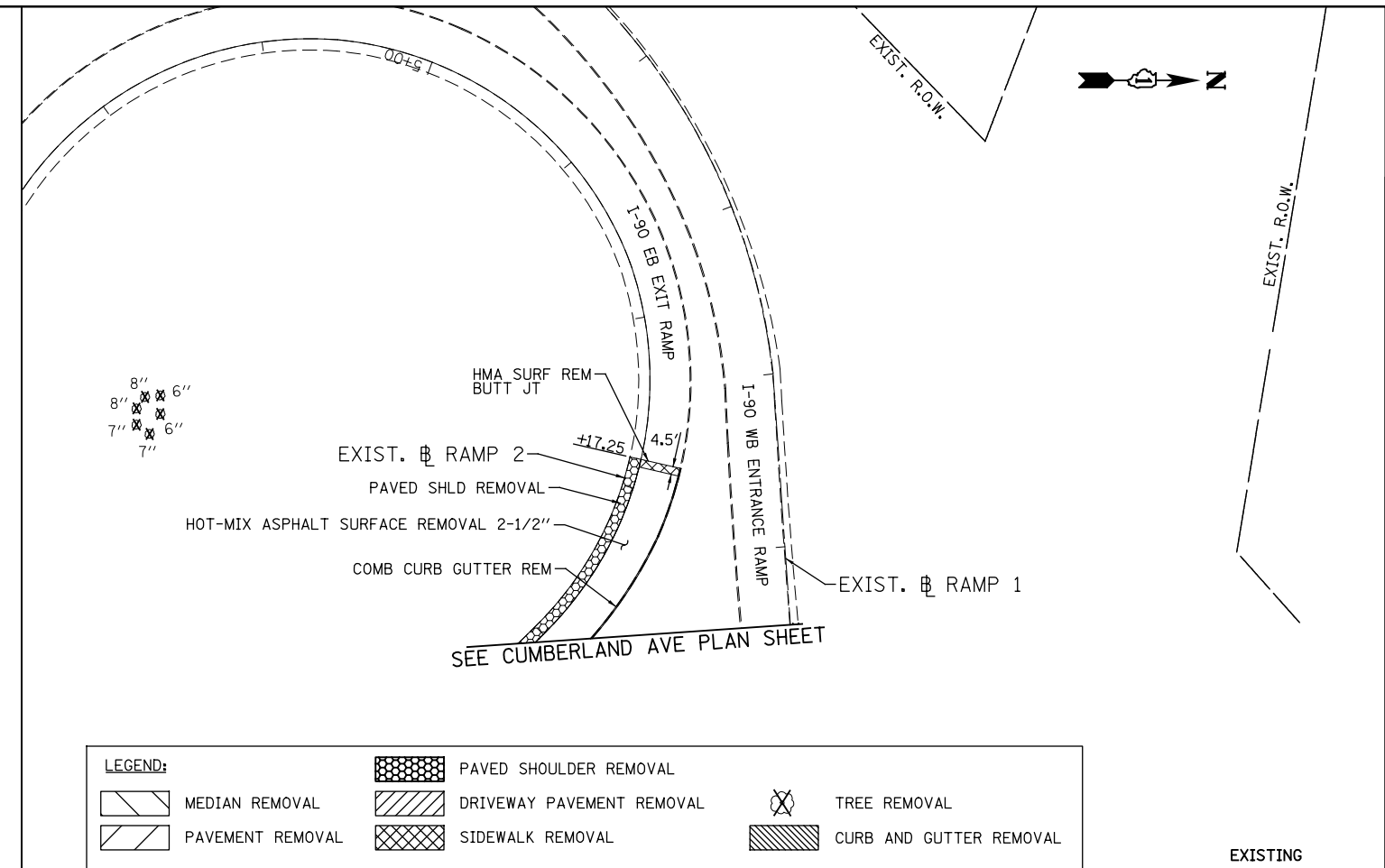
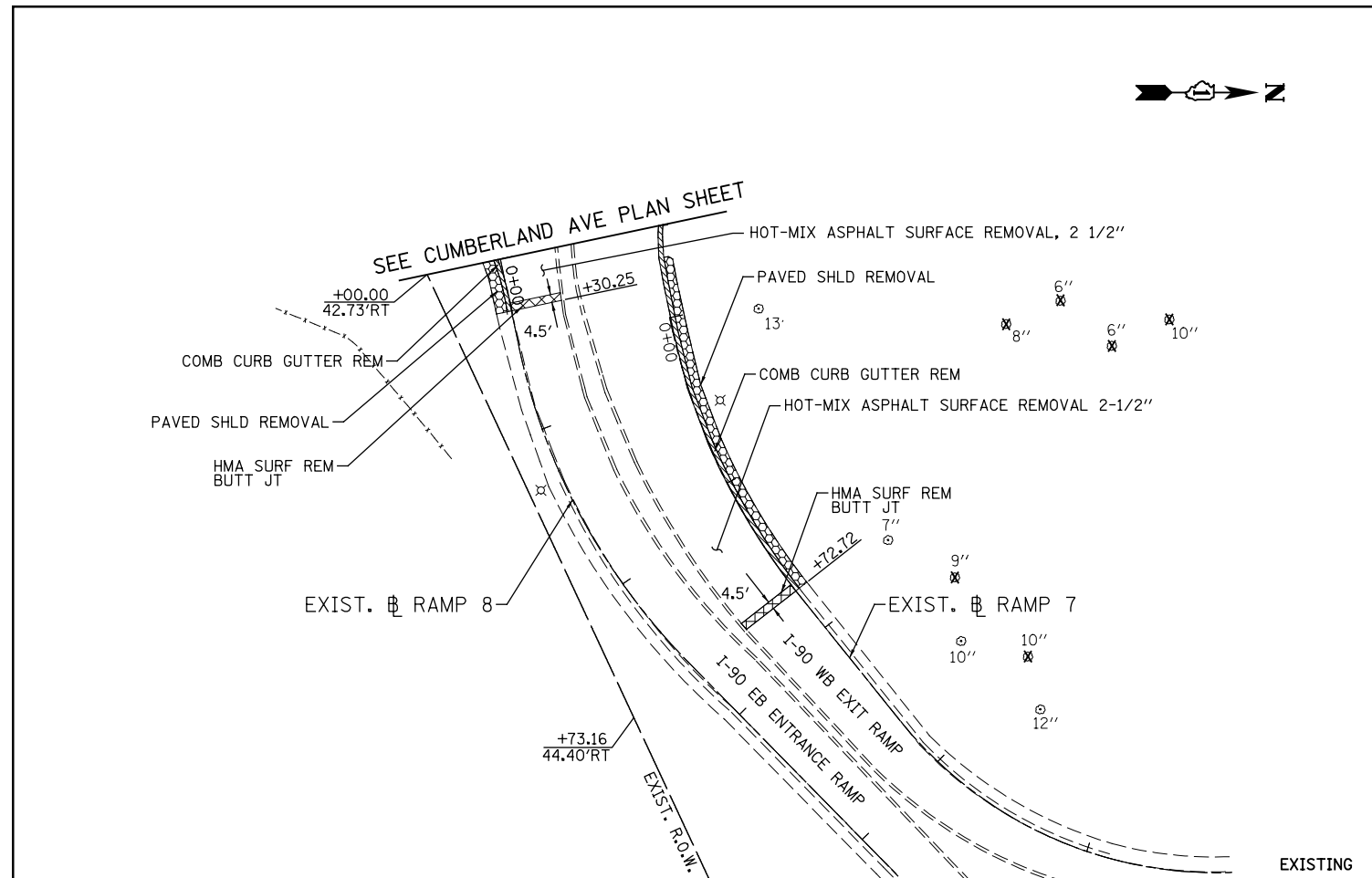


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	SCALE: 1"=50' SHEET NO. PP-03 OF 9 STA. 109+00 TO STA. 124+00				FED. ROAD DIST. NO.				ILLINOIS FED. AID PROJECT				

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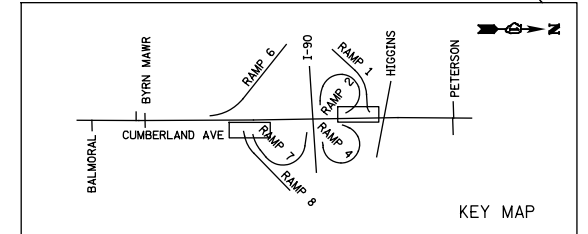
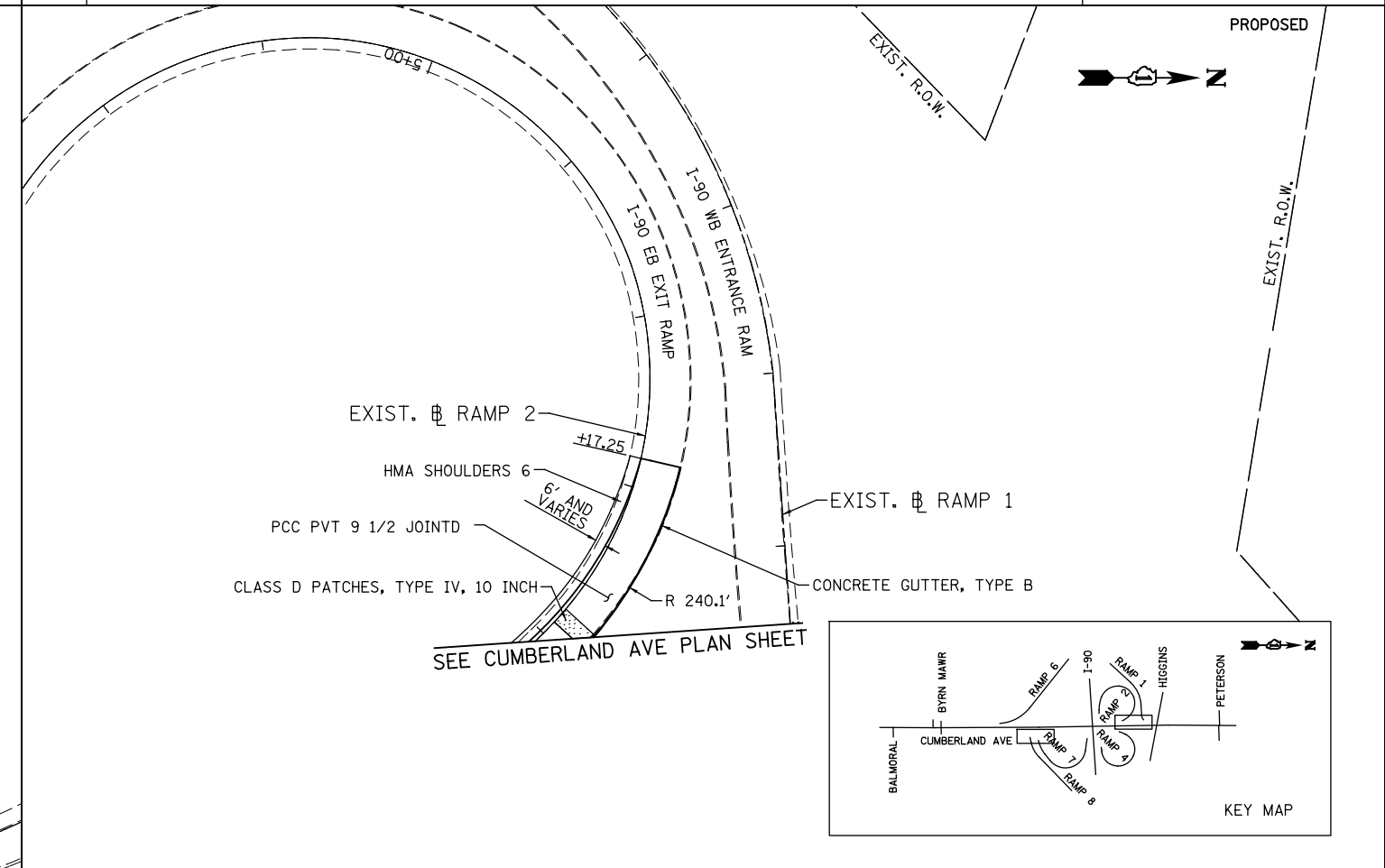
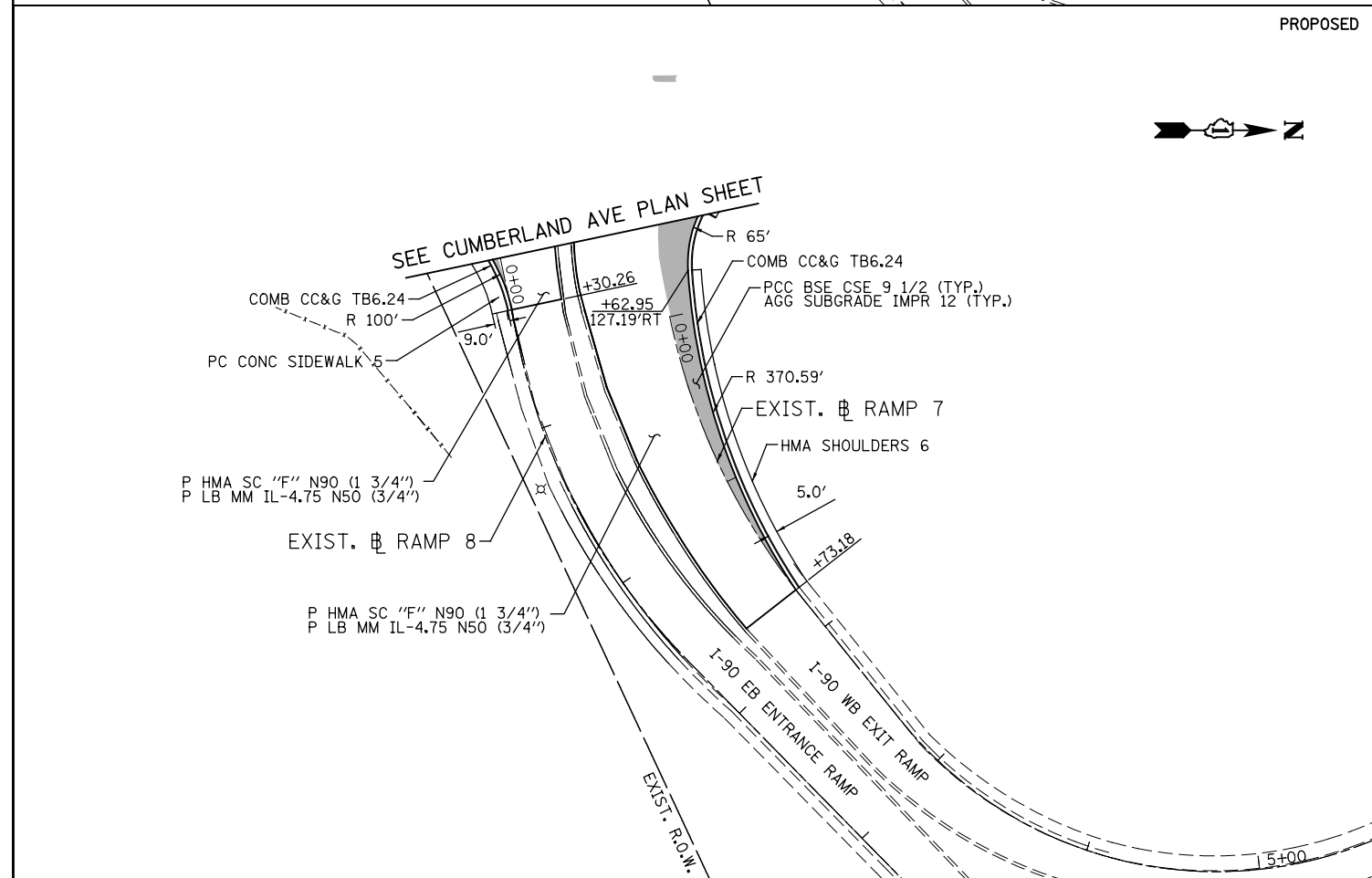


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	SCALE: 1"=50' SHEET PP-04 OF 9 STA. 124+00 TO STA. 132+00.73				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		



LEGEND:

	MEDIAN REMOVAL		PAVED SHOULDER REMOVAL		TREE REMOVAL
	PAVEMENT REMOVAL		DRIVEWAY PAVEMENT REMOVAL		CURB AND GUTTER REMOVAL
			SIDEWALK REMOVAL		



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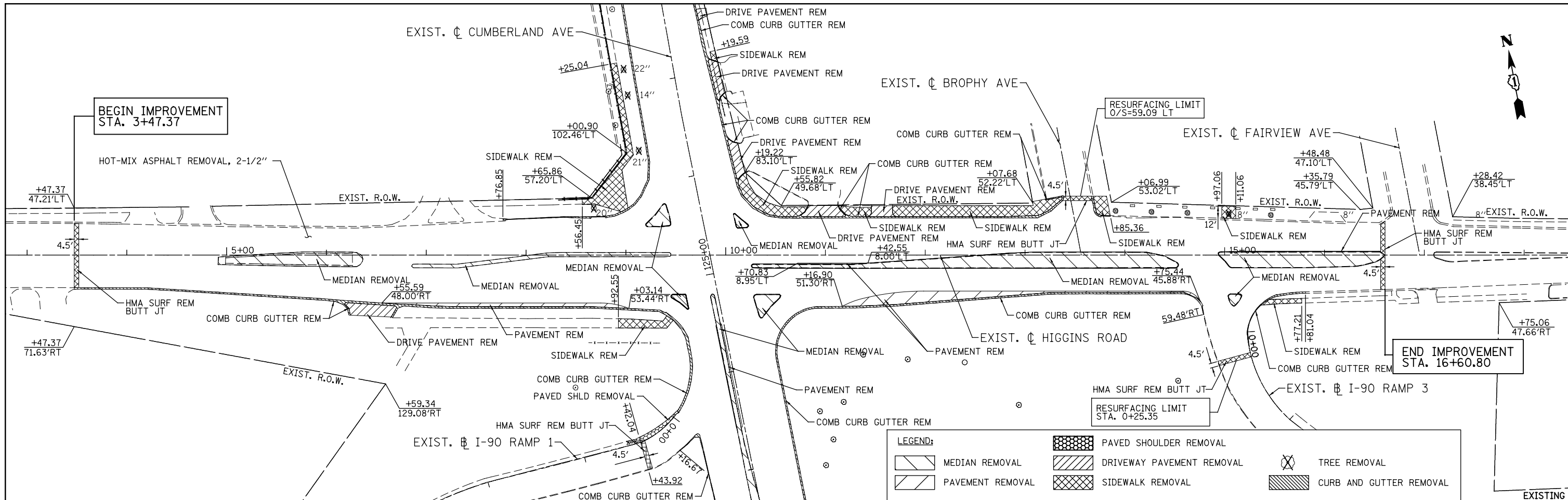
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
I-90 RAMPS 1 & 7**

SCALE: 1"=50' SHEET PP-05 OF 9 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	56
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			60J14	

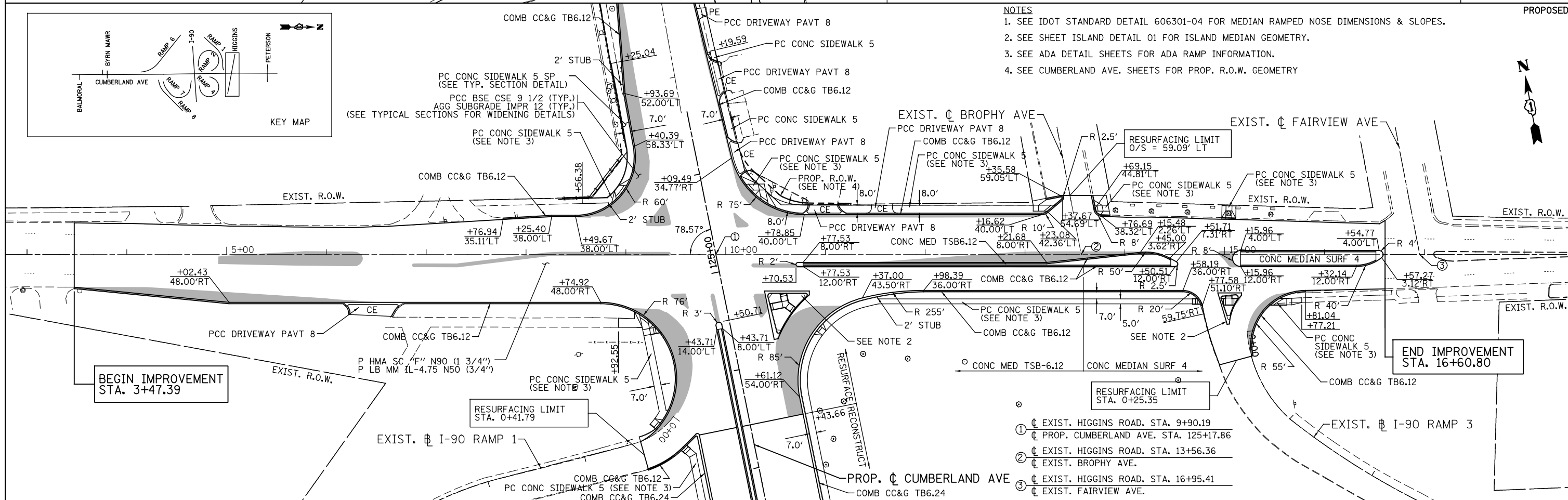
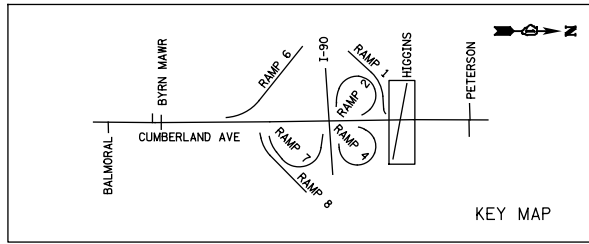
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LEGEND:

- PAVED SHOULDER REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- MEDIAN REMOVAL
- PAVEMENT REMOVAL
- TREE REMOVAL
- CURB AND GUTTER REMOVAL

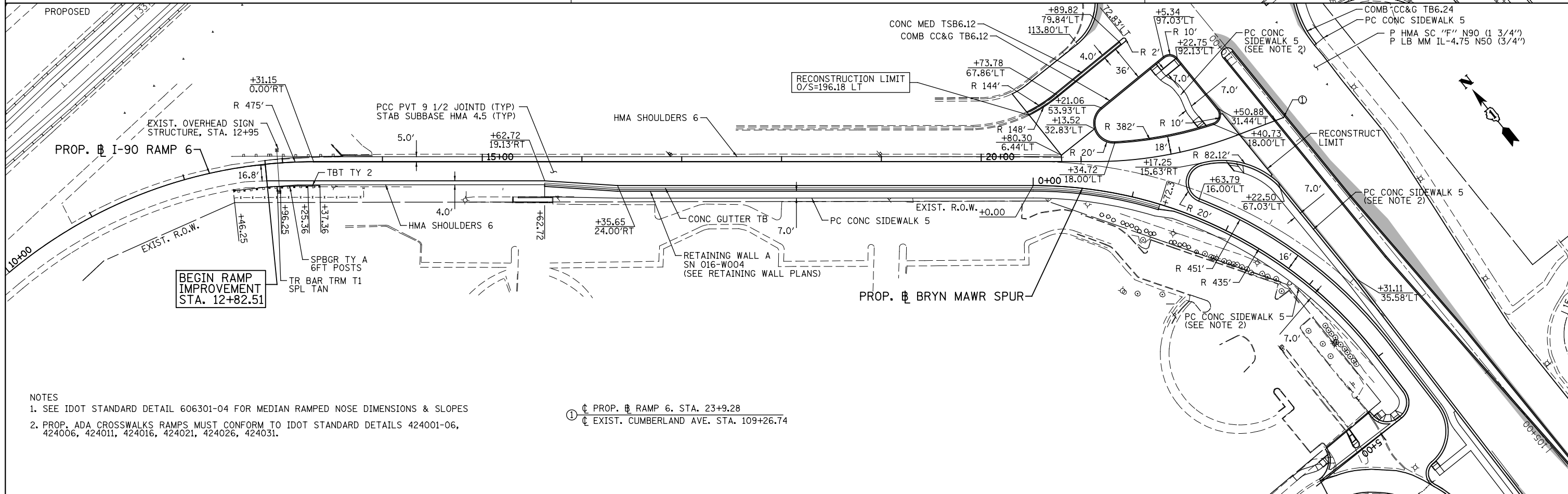
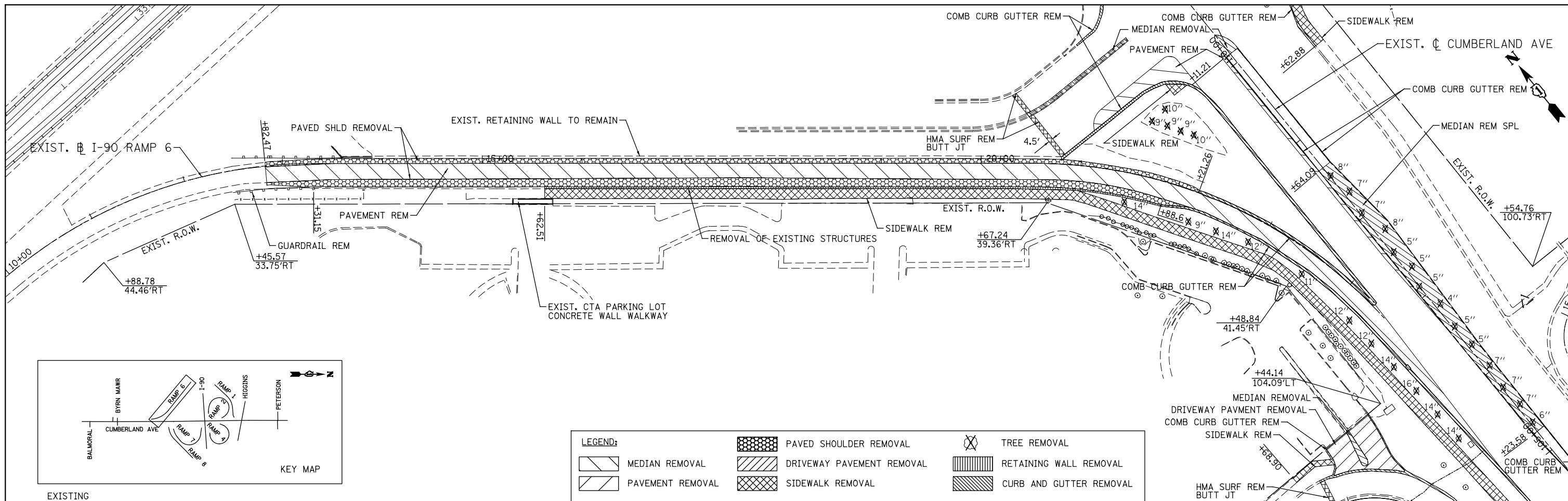
- NOTES**
- SEE IDOT STANDARD DETAIL 606301-04 FOR MEDIAN RAMPED NOSE DIMENSIONS & SLOPES.
 - SEE SHEET ISLAND DETAIL 01 FOR ISLAND MEDIAN GEOMETRY.
 - SEE ADA DETAIL SHEETS FOR ADA RAMP INFORMATION.
 - SEE CUMBERLAND AVE. SHEETS FOR PROP. R.O.W. GEOMETRY



- NOTES**
- EXIST. HIGGINS ROAD. STA. 9+90.19
 - EXIST. CUMBERLAND AVE. STA. 125+17.86
 - EXIST. HIGGINS ROAD. STA. 13+56.36
 - EXIST. BROPHY AVE.
 - EXIST. HIGGINS ROAD. STA. 16+95.41
 - EXIST. FAIRVIEW AVE.

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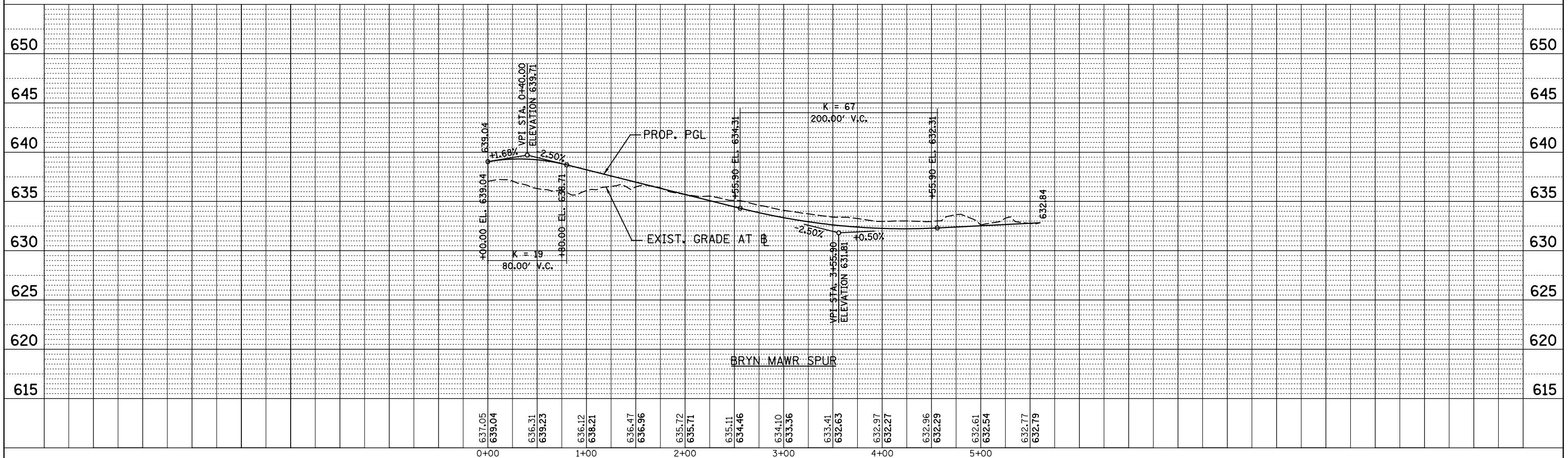
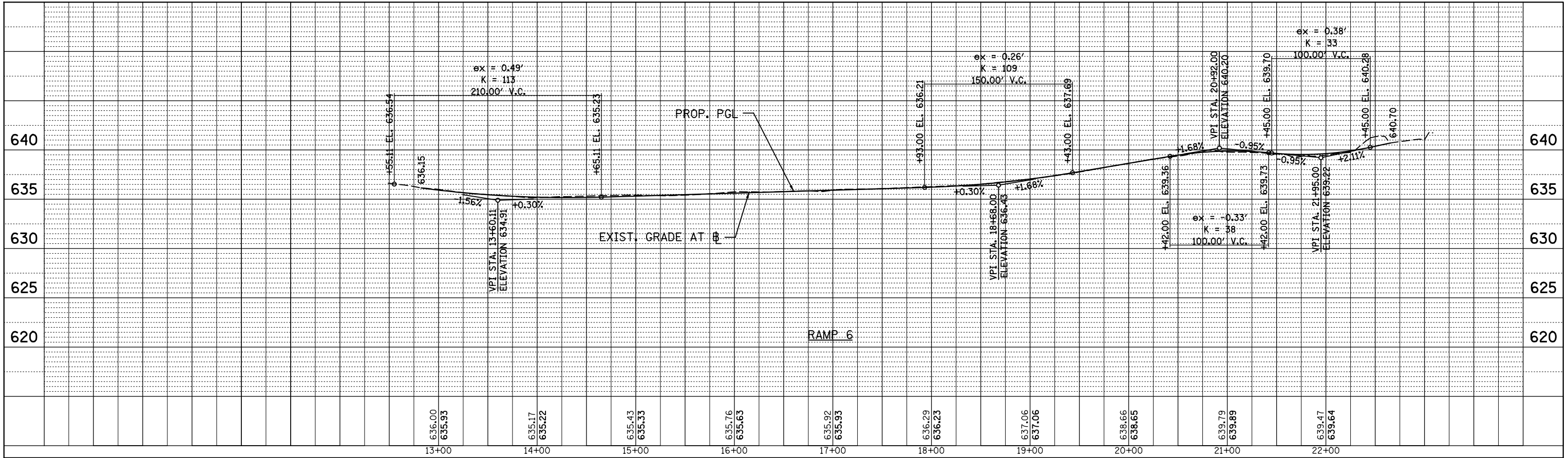


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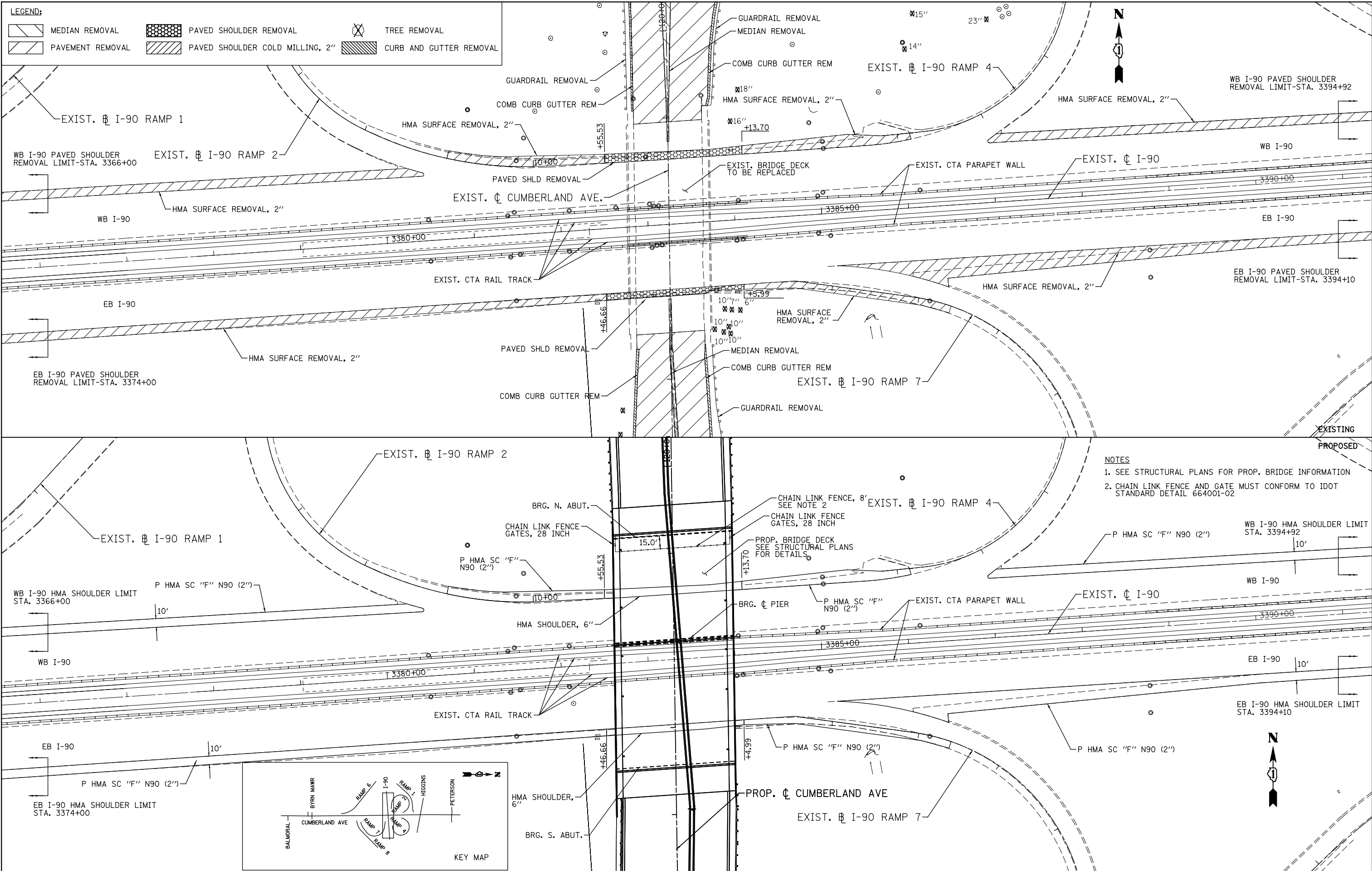
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	GRADES CHECKED		
	STRUCTURE NOTATIONS CHKD		
	NOTE BOOK NO.		
	CHECKED		
	DATE		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
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	STRUCTURE NOTATIONS CHKD		
	NOTE BOOK NO.		
	CHECKED		
	DATE		
	FILE NAME		



USER NAME = tkoeppen(Rdwy_Lisle)	DESIGNED - CPK	REVISED -	PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		ROADWAY PLAN AND PROFILE RAMP 6 & BRYN MAWR SPUR		F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN AND PROFILE
INTERSTATE 90**

SCALE: 1"=50' SHEET PP-09 OF 9 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	60
60J14				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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MAINTENANCE OF TRAFFIC GENERAL NOTES

1. THE TRAFFIC CONTROL PLANS SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT. HOWEVER, THE CONTRACTOR MAY IMPROVE OR MODIFY THE TRAFFIC CONTROL PLANS TO MEET CONSTRUCTION NEEDS BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
2. THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGES MADE TO THE STAGING.
3. CONTRACTOR SHALL MAINTAIN A MINIMUM OF ONE THROUGH LANE IN EACH DIRECTION THROUGHOUT THE PROJECT AREA AT ALL TIMES. IN EXISTING THREE LANE SECTIONS ALONG CUMBERLAND AVENUE, TWO THROUGH LANES IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES.
4. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS TO ALL ENTRANCES, APPROACHES, AND TEMPORARY ROADS WITHIN THE PROJECT LIMITS. THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR TEMPORARY ACCESS (PRIVATE ENTRANCE), TEMPORARY ACCESS (COMMERCIAL ENTRANCE), OR TEMPORARY ACCESS (ROAD).
5. ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE COVERED OR REMOVED IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
6. THE CONTRACTOR SHALL PROVIDE, INSTALL, MAINTAIN AND REMOVE ALL SIGNS AND SIGN SUPPORTS REQUIRED FOR TRAFFIC CONTROL AND PROTECTION. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LUMP SUM FOR "TRAFFIC CONTROL AND PROTECTION SPECIAL".
7. THE CONTRACTOR SHALL PLACE A CHANGEABLE MESSAGE SIGN AT EACH END OF THE PROJECT AND/OR AS DIRECTED BY THE ENGINEER TO INFORM MOTORISTS OF UPCOMING CONSTRUCTION ACTIVITIES. THE MESSAGE SIGNS WITH THE APPROPRIATE INFORMATION SHALL BE IN PLACED TWO WEEKS BEFORE START OF CONSTRUCTION ACTIVITY. THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE PER CALENDAR MONTH, "CHANGEABLE MESSAGE SIGN".
8. THE CONTRACTOR SHALL PLACE "DRIVEWAY ENTRANCE" SIGNS AT EVERY COMMERCIAL ENTRANCE WITHIN THE PROJECT LIMITS WHERE ENTRANCE IS OBSTRUCTED DUE TO CONSTRUCTION AND/OR AS DIRECTED BY THE ENGINEER. SEE TEMPORARY INFORMATION SIGNS DETAIL FOR FURTHER INFORMATION.
9. ALL TEMPORARY INFORMATION SIGNS SHALL BE PAID FOR SEPARATELY IN THE UNIT PRICE PER SQUARE FOOT FOR "TEMPORARY INFORMATION SIGNING".
10. THE CONTRACTOR SHALL REPLACE THE CENTER MEDIAN WITH TEMPORARY PAVEMENT AS SOON AS POSSIBLE TO PREVENT WATER FROM ACCUMULATING IN THE MEDIAN. THE CONTRACTOR SHALL PUMP ANY WATER THAT ACCUMULATES IN THE MEDIAN BEFORE THE TEMPORARY PAVEMENT IS CONSTRUCTED. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE YARD FOR "TEMPORARY PAVEMENT."
11. ANY SAW CUTTING OF THE EXISTING PAVEMENT FOR STAGE CONSTRUCTION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE YARD FOR "PAVEMENT REMOVAL".
12. THE CONTRACTOR SHALL USE LEG EXTENSIONS FOR TYPE II BARRICADES OR PROVIDE A 2 FT WIDTH EARTH FILL PAD FOR DRUMS TO MEET MINIMUM BARRICADE HEIGHT (SEE STAGING TYPICAL CROSS SECTION SHEETS). THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LUMP SUM FOR "TRAFFIC CONTROL AND PROTECTION SPECIAL".
13. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY, OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY

SHALL RESPOND TO ANY REQUEST MADE BY THE ENGINEER FOR CORRECTION WITHIN TWO HOURS FROM THE TIME OF NOTIFICATION.

14. WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.

15. ALL TEMPORARY PAVEMENT MARKINGS PROPOSED WITHIN THE WORK AREA SHALL BE COMPLETED PRIOR TO THE CONTRUCTION STAGE CHANGE.

16. ALL DRAINAGE STRUCTURES THAT ARE REQUIRED TO BE INSTALLED IN THE PRESTAGE TO MAINTAIN POSITIVE DRAINAGE AND ARE IN THE PROPOSED TEMPORARY PAVEMENT ARE REQUIRED TO BE ADJUSTED TO THE PROPOSED TEMPORARY PAVEMENT ELEVATION WITH A TYPE 1 FRAME, OPEN LID, AND THEN ADJUSTED TO FINAL GRADE WITH THE PLAN FRAME AND GRATE ONCE THE TEMPORARY PAVEMENT IS REMOVED.

17. THE ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

18. ALL BUS ROUTES OPERATED BY PACE AND CTA SHALL BE MAINTAINED DURING CONSTRUCTION.

19. THE EXISTING ABOVE-GRADE PORTION OF THE TSC SYSTEM (SIGNALS, ADVANCE FLASHERS, CABINETS) AND THE EQUIPMENT FOUNDATIONS SHALL BE REMOVED AT THE START OF THE PROJECT.

20. FROM NOVEMBER 1 TO APRIL 1, THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF TWO THROUGH LANES IN EACH DIRECTION. IN ADDITION, THE CONTRACTOR SHALL MAINTAIN ALL TURN LANES WITHIN THE PROJECT LIMITS FROM NOVEMBER 1 TO APRIL 1.

 PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = tkoeppen(Rdwy_L1s1e)	DESIGNED - CPK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL GENERAL NOTES			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 1:100	CHECKED - JAH	REVISED -	DATE	2/18/2013	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	60J14				
PLOT DATE = 2/18/2013 7:17:35 PM	DATE	2/18/2013	REVISED -									

SEQUENCE OF CONSTRUCTION

PRESTAGE

CONSTRUCTION

- (1) PREPARE THE TEMPORARY SIGNALS AT ALL SIGNALIZED INTERSECTIONS
- (2) REMOVE THE CORNER ISLANDS AT THE INTERSECTION OF CUMBERLAND AVE AND HIGGINS ROAD. REPLACE THE ISLANDS WITH THE PROPOSED BASE COURSE WIDENING AND 2 1/2" OF TEMPORARY PAVEMENT.
- (3) RELOCATE ANY UTILITIES IN CONFLICT WITH PROPOSED WORK.
- (4) REMOVE ANY TREES IN CONFLICT WITH PROPOSED WORK.
- (5) GRADE THE RAMP INFIELDS PER THE DRAINAGE PLAN.
- (6) CONSTRUCT THE PROPOSED DRAINAGE STRUCTURES AND ASSOCIATED PIPE REQUIRED TO MAINTAIN DRAINAGE DURING CONSTRUCTION. (STRUCTURE 1, 129, 130, 132, 311, 312, AND 313).
- (7) CONSTRUCT THE TEMPORARY PAVEMENT AND PROPOSED BASE COURSE WIDENING AT LOCATIONS SHOWN ON THE PLANS.
- (8) REMOVE CONFLICTING EXISTING SIGNS. RELOCATE EXISTING SIGNS AS NEEDED.
- (9) REMOVE ALL EXISTING RAISED PAVEMENT MARKERS AND MARKINGS IN CONFLICT WITH MOT STRIPING.

MAINTENANCE OF TRAFFIC

- (1) MAINTAIN TRAFFIC PER PLAN
- (2) UTILIZE IDOT STANDARDS 701101, 701601, 701606, 701701, 701901 AND TC-17.

STAGE 1

CONSTRUCTION

- (1) PLACE STAGE 1 TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS. SET TRAFFIC AND ACTIVATE SIGNAL HEADS FOR THE TEMPORARY TRAFFIC SIGNALS AT ALL SIGNALIZED INTERSECTIONS PER THE TEMPORARY SIGNAL PLANS.
- (2) CONSTRUCT DRAINAGE IMPROVEMENTS IN THE WORK AREA FOR THIS STAGE.
- (3) CONSTRUCT THE BASE COURSE WIDENING ALONG THE NORTHBOUND LANES OF CUMBERLAND AVE.
- (4) CONSTRUCT THE NORTHBOUND LANES WITHIN THE RECONSTRUCTION LIMITS ALONG CUMBERLAND AVE. AS SHOWN ON THE PLANS.
- (5) CONSTRUCT THE STAGE 1 PORTIONS OF THE CUMBERLAND AVE. BRIDGE AND CENTER PIER.
- (6) CONSTRUCT PORTIONS OF RAMP 6 AND THE CTA ENTRANCE NEEDED FOR FUTURE STAGES.
- (7) PLACE THE GROUND MOUNTED TEMPORARY INFORMATION SIGNING ALONG I-90 AT THE LOCATIONS SHOWN IN THE PLANS.

MAINTENANCE OF TRAFFIC

- (1) TRAFFIC SHALL BE MAINTAINED PER STAGE 1 PLANS.
- (2) THE EXISTING LANE CONFIGURATIONS ALONG I-90 SHALL BE MAINTAINED FOR THE DURATION OF THIS STAGE WITH THE FOLLOWING EXCEPTION:
FOR THE CONSTRUCTION OF THE PROPOSED CENTER PIER ON I-90, TRAFFIC ALONG I-90 SHALL BE MAINTAINED PER THE I-90 MAINTENANCE OF TRAFFIC DETAIL FOR CENTER PIER CONSTRUCTION AND THE I-90 RAMP 4 DETOUR PLAN WHEN APPLICABLE. SEE THE SPECIAL PROVISIONS.

STAGE 1 SUB-STAGE 1

CONSTRUCTION

- (1) CONSTRUCT DRAINAGE IMPROVEMENTS IN THE WORK AREA FOR THIS STAGE.
- (2) COMPLETE THE CONSTRUCTION OF I-90 RAMP 4 AND THE BASE COURSE WIDENING OF THE SOUTH EAST QUADRANT OF HIGGINS AVE.

MAINTENANCE OF TRAFFIC

- (1) TRAFFIC SHALL BE MAINTAINED PER STAGE 1 SUB-STAGE 1 PLANS.

STAGE 2

CONSTRUCTION

- (1) PLACE STAGE 2 TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS. SET TRAFFIC AND ACTIVATE SIGNAL HEADS FOR THE TEMPORARY TRAFFIC SIGNALS AT ALL SIGNALIZED INTERSECTIONS PER THE TEMPORARY SIGNAL PLANS.
- (2) CONSTRUCT DRAINAGE IMPROVEMENTS IN THE WORK AREA FOR THIS STAGE.
- (3) CONSTRUCT THE BASE COURSE WIDENING ALONG THE SOUTHBOUND LANES OF CUMBERLAND AVE.
- (4) CONSTRUCT THE SOUTHBOUND LANES WITHIN THE RECONSTRUCTION LIMITS ALONG CUMBERLAND AVE. AS SHOWN ON THE PLANS.
- (5) CONSTRUCT THE STAGE 2 PORTIONS OF THE CUMBERLAND AVE. BRIDGE AND CENTER PIER.
- (6) CONSTRUCT THE BRYN MAWR SPUR RAMP, THE SOUTH HALF OF I-90 RAMP 6, AND THE PROPOSED RETAINING WALL ALONG RAMP 6.
- (7) PLACE THE GROUND MOUNTED TEMPORARY INFORMATION SIGNING ALONG I-90 AT THE LOCATIONS SHOWN IN THE PLANS.

MAINTENANCE OF TRAFFIC

- (1) TRAFFIC SHALL BE MAINTAINED PER STAGE 2 PLANS.
- (2) THE EXISTING LANE CONFIGURATIONS ALONG I-90 SHALL BE MAINTAINED FOR THE DURATION OF THIS STAGE WITH THE FOLLOWING EXCEPTION:
FOR THE CONSTRUCTION OF THE PROPOSED CENTER PIER ON I-90, TRAFFIC ALONG I-90 SHALL BE MAINTAINED PER THE I-90 MAINTENANCE OF TRAFFIC DETAIL FOR CENTER PIER CONSTRUCTION AND THE I-90 RAMP 4 DETOUR PLAN WHEN APPLICABLE. SEE THE SPECIAL PROVISIONS.

STAGE 2 SUBSTAGE 1

CONSTRUCTION

- (1) CONSTRUCT THE REMAINING PORTION OF I-90 RAMP 2, AND THE REMAINING HALF OF I-90 RAMP 6. COMPLETE THE BASE COURSE WIDENING ALONG BRYN MAWR AVE.
- (2) CONSTRUCT DRAINAGE IMPROVEMENTS IN THE WORK AREA FOR THIS STAGE.

MAINTENANCE OF TRAFFIC

- (1) TRAFFIC SHALL BE MAINTAINED PER STAGE 2 SUB-STAGE 1 PLANS.


STAGE 3

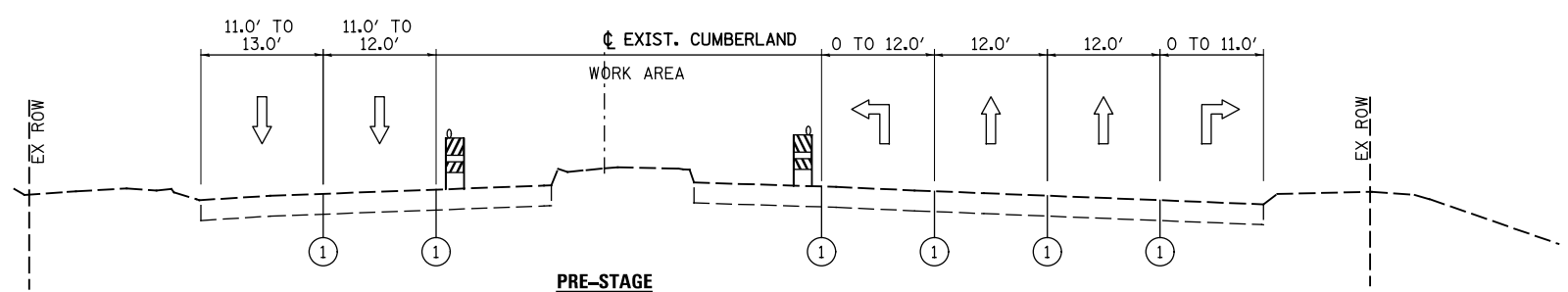
CONSTRUCTION

- (1) PLACE STAGE 3 TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS. SET TRAFFIC AND ACTIVATE SIGNAL HEADS FOR THE TEMPORARY TRAFFIC SIGNALS AT ALL SIGNALIZED INTERSECTIONS PER THE TEMPORARY SIGNAL PLANS.
- (2) CONSTRUCT THE STAGE 3 PORTIONS OF THE CUMBERLAND AVE. BRIDGE AND CENTER PIER.
- (3) REMOVE ANY EXISTING TEMPORARY PAVEMENT. FINISH CONSTRUCTION OF THE REMAINING DRAINAGE STRUCTURES, MEDIANS, MEDIAN CURB AND GUTTER, LEFT TURN LANES AND THRU LANES AS SHOWN ON THE PLANS.
- (4) MILL AND RESURFACE THE PAVEMENT ALONG CUMBERLAND AVENUE, BRYN MAWR AVENUE, HIGGINS ROAD, EXISTING CTA ENTRANCE, AND I-90 RAMPS 3, 7, AND 8 WITHIN THE WIDENING AND RESURFACING LIMITS SHOWN IN THE PLANS.
- (5) INSTALL PERMANENT PAVEMENT MARKINGS, RAISED PAVEMENT REFLECTORS AND LANDSCAPING. COMPLETE THE INSTALLATION OF PROPOSED TRAFFIC SIGNALS AT ALL SIGNALIZED INTERSECTIONS IN THE JOB LIMITS.
- (6) REMOVE TEMPORARY TRAFFIC SIGNALS AT THE INTERSECTIONS.
- (7) COMPLETE THE LIGHTING IMPROVEMENTS WITHIN THE PROJECT LIMITS.
- (8) INSTALL THE PERMANENT SIGNING.
- (9) COMPLETE THE PIPE JACKING DRAINAGE IMPROVEMENTS ALONG I-90 (EB) AFTER STAGE 3 IS COMPLETE.

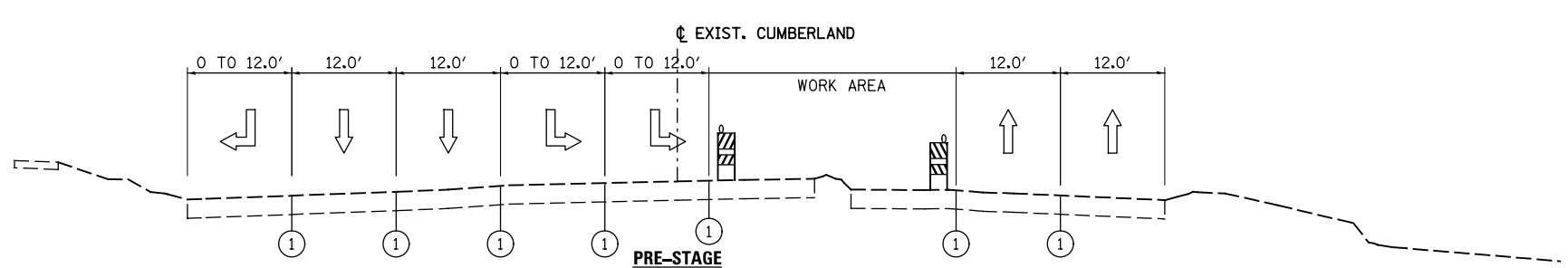
MAINTENANCE OF TRAFFIC

- (1) TRAFFIC SHALL BE MAINTAINED PER STAGE 3 PLANS.
- (2) THE EXISTING LANE CONFIGURATIONS ALONG I-90 SHALL BE MAINTAINED FOR THE DURATION OF THIS STAGE WITH THE FOLLOWING EXCEPTION:
FOR THE CONSTRUCTION OF THE PROPOSED CENTER PIER ON I-90 (WB) AND THE PIPE JACKING OPERATIONS (EB), TRAFFIC ALONG I-90 SHALL BE MAINTAINED PER THE I-90 MAINTENANCE OF TRAFFIC DETAILS AND THE I-90 RAMP 4 DETOUR PLAN WHEN APPLICABLE. SEE THE SPECIAL PROVISIONS.
- (3) UTILIZE IDOT STANDARDS 701101, 701400, 701401, 701601, 701606, 701701, AND 701901.

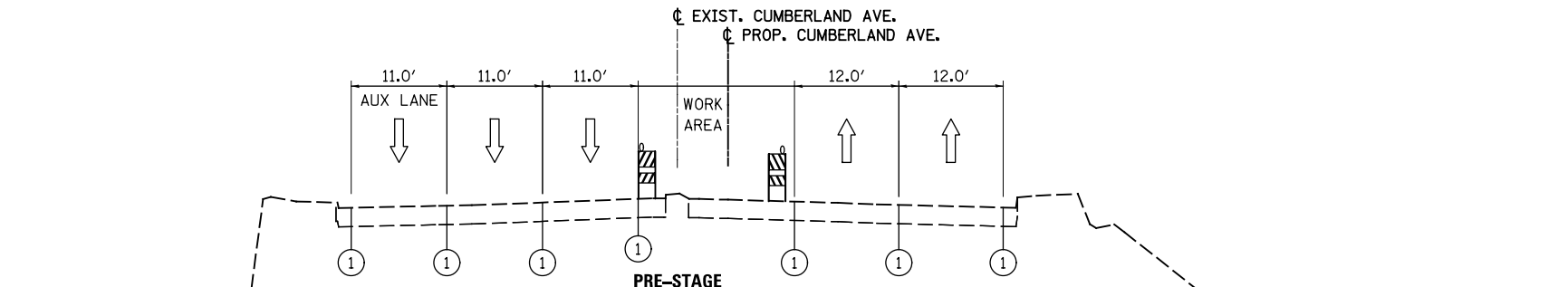
 PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = tkoeppen(Rdwy_Lisle)	DESIGNED - CPK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL SEQUENCE OF CONSTRUCTION			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 2/18/2013 7:17:41 PM	DATE - 2/18/2013	REVISED -										



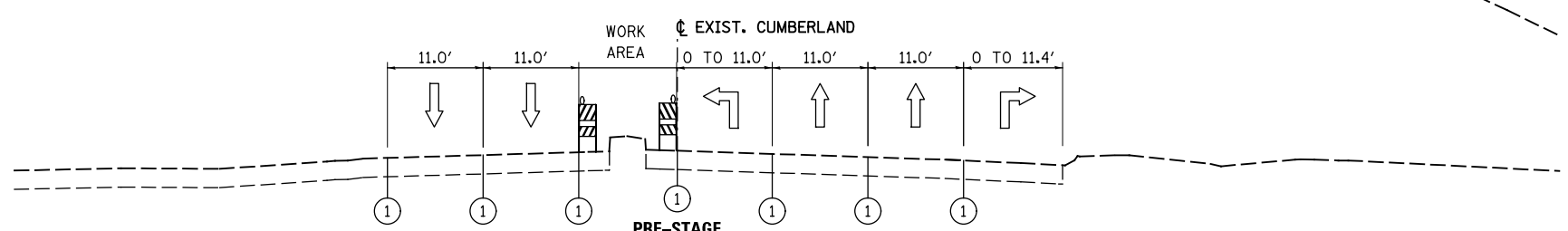
BEGIN PROJECT STA. 94+99.21 TO CTA ENTRANCE / RAMP 7&8 INTERSECTION AT 110+00.00



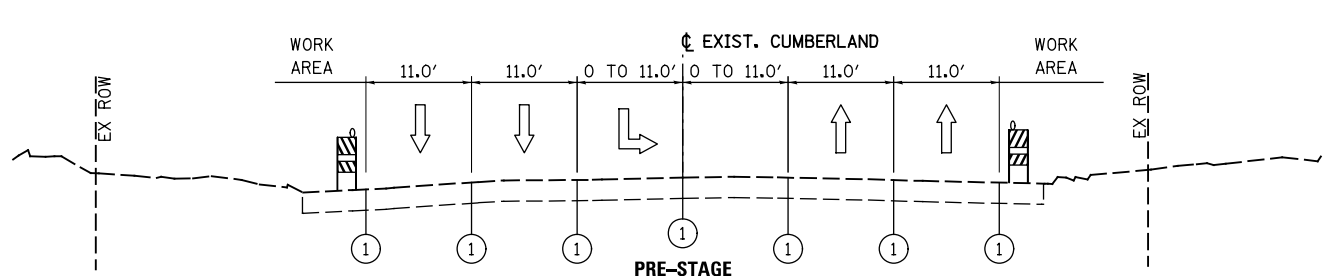
CTA ENTRANCE / RAMP 7&8 INTERSECTION AT 110+00.00 TO STA. 116+27.71



STA. 116+27.71 TO STA. 121+43.21
BRIDGE LOCATION: (SEE STRUCTURAL PLANS)
STA. 116+30.74 TO STA. 119+53.74



STA. 121+43.21 TO HIGGINS AVE AT STA. 125+00



HIGGINS AVE AT STA. 125+00 TO END PROJECT STA. 132+00.73

- LEGEND**
- ① TEMPORARY PAVEMENT MARKING
 - ② WET REF TEM TAPE T3
 - ③ EPOXY PVT MK
 - TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS (50 FT C-C @ TANGENTS, 25 FT C-C @ TAPERS & 12 FT C-C ALONG RADII)
 - TEMPORARY CONCRETE BARRIER
 - TEMPORARY PAVEMENT
 - GUARDRAIL

NOTE:
SEE THE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR DETAILED LANE CONFIGURATIONS AND TEMPORARY PAVEMENT LOCATIONS.

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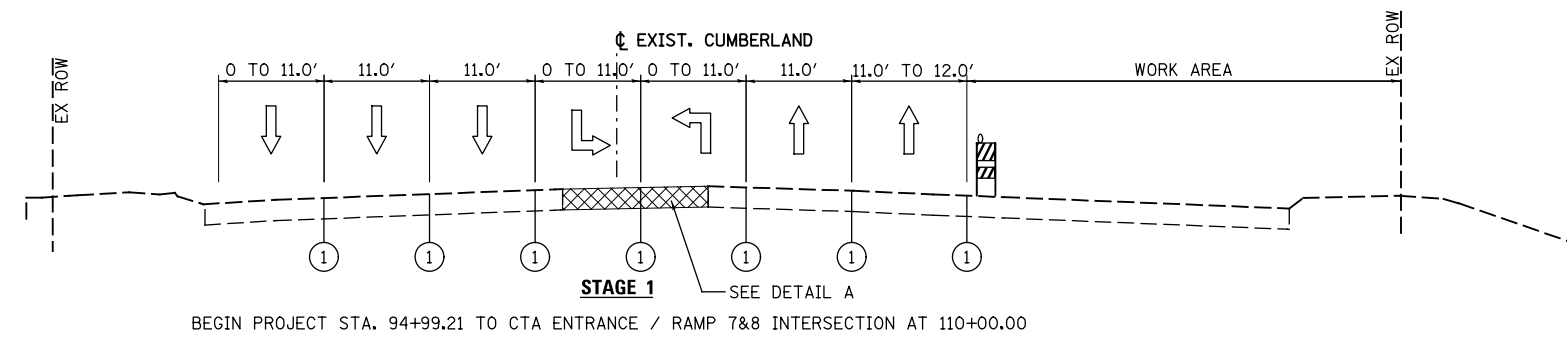
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
TYPICAL SECTIONS PRE-STAGE CUMBERLAND AVE**

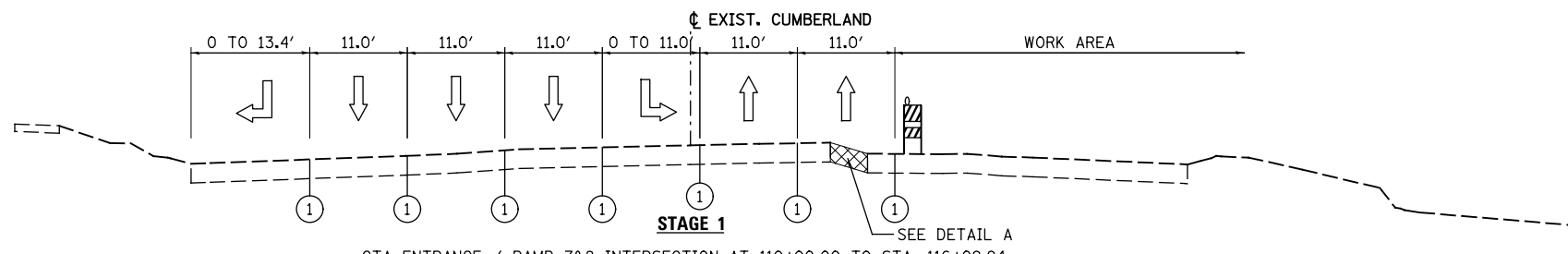
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				60J14
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

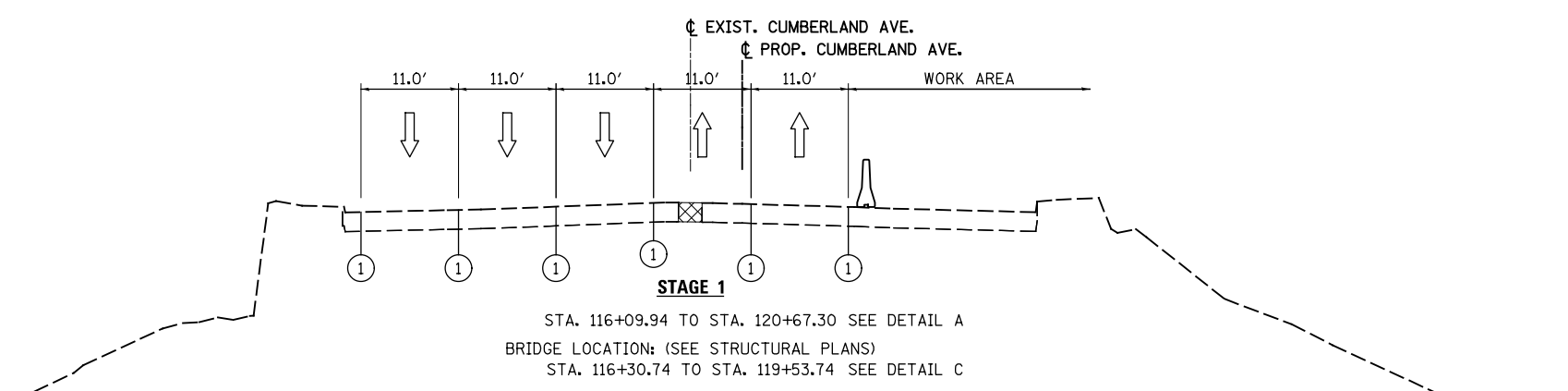
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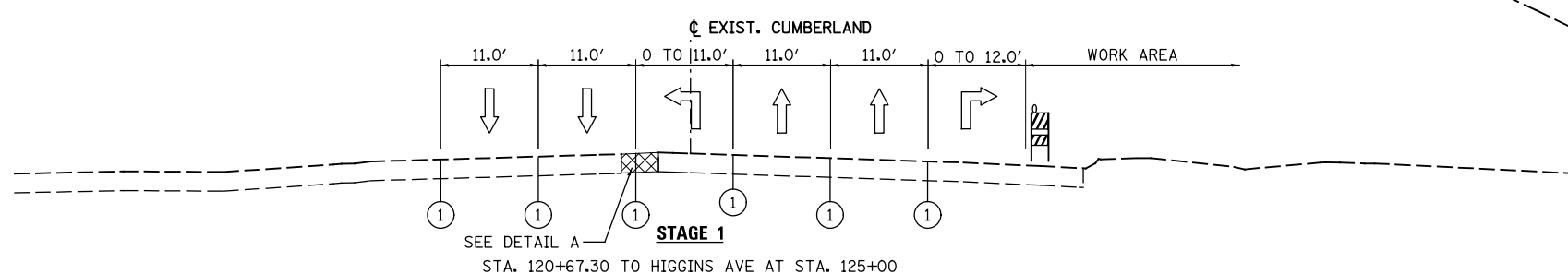
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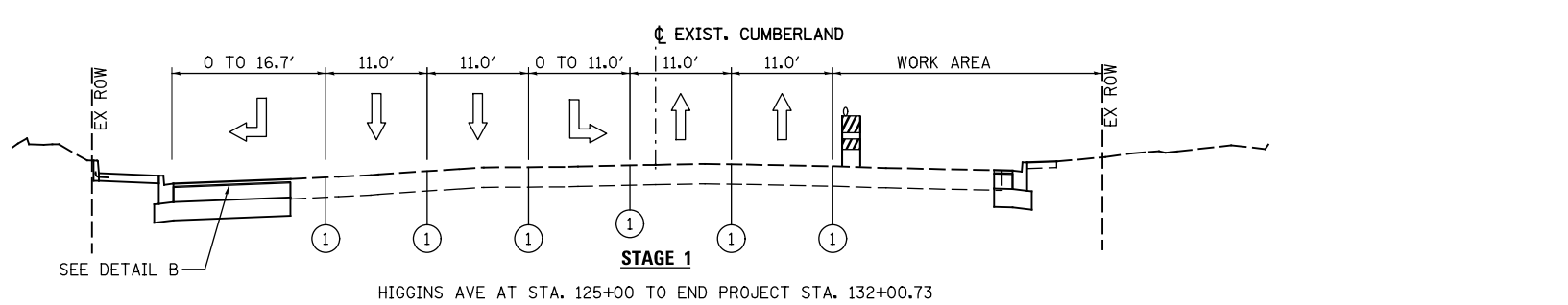
CTA ENTRANCE / RAMP 7&8 INTERSECTION AT 110+00.00 TO STA. 116+09.94



STA. 116+09.94 TO STA. 120+67.30 SEE DETAIL A
BRIDGE LOCATION: (SEE STRUCTURAL PLANS)
STA. 116+30.74 TO STA. 119+53.74 SEE DETAIL C



SEE DETAIL A
STA. 120+67.30 TO HIGGINS AVE AT STA. 125+00

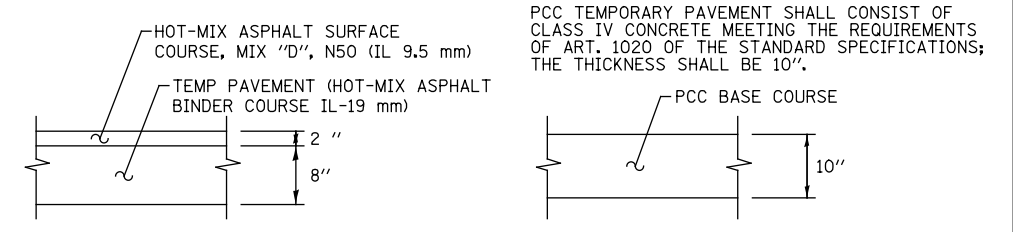


HIGGINS AVE AT STA. 125+00 TO END PROJECT STA. 132+00.73

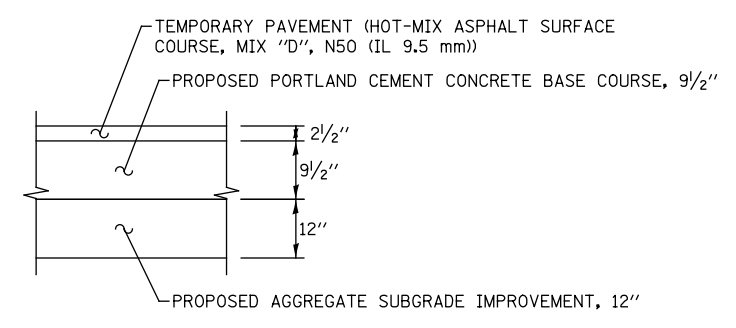
TEMPORARY PAVEMENT DETAILS:

DETAIL A - FULL DEPTH TEMPORARY PAVEMENT

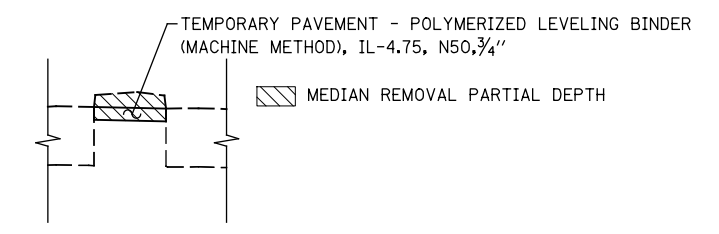
(CONTRACTOR HAS THE OPTION OF USING HMA OR PCC SECTION FOR TEMPORARY PAVEMENT)



DETAIL B - PCC BASE COURSE WIDENING AREAS DURING STAGED CONSTRUCTION



DETAIL C - MEDIAN REMOVAL PARTIAL DEPTH OVER THE CUMBERLAND AVE BRIDGE



LEGEND

- ① TEMPORARY PAVEMENT MARKING
- ② WET REF TEM TAPE T3
- ③ EPOXY PVT MK
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS (50 FT C-C @ TANGENTS, 25 FT C-C @ TAPERS & 12 FT C-C ALONG RADII)
- TEMPORARY CONCRETE BARRIER
- TEMPORARY PAVEMENT
- GUARDRAIL

NOTE:
SEE THE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR DETAILED LANE CONFIGURATIONS AND TEMPORARY PAVEMENT LOCATIONS.

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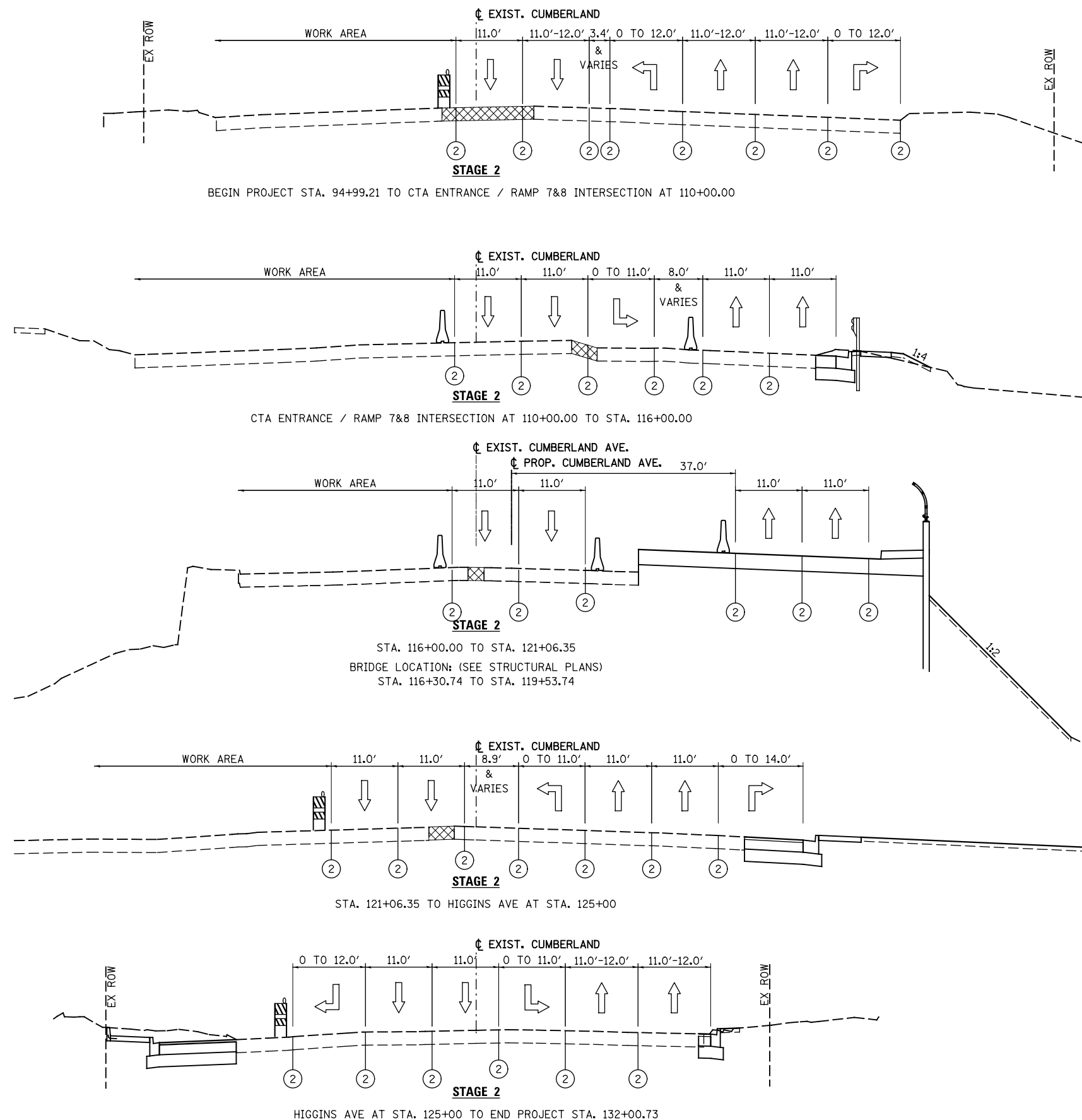
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
TYPICAL SECTIONS STAGE 1 CUMBERLAND AVE**

SCALE: NA SHEET MOT-04 OF 42 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	64
				60J14
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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- LEGEND**
- ① TEMPORARY PAVEMENT MARKING
 - ② WET REF TEM TAPE T3
 - ③ EPOXY PVT MK
 - TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS (50 FT C-C @ TANGENTS, 25 FT C-C @ TAPERS & 12 FT C-C ALONG RADII)
 - TEMPORARY CONCRETE BARRIER
 - TEMPORARY PAVEMENT
 - GUARDRAIL

NOTE:
SEE THE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR DETAILED LANE CONFIGURATIONS AND TEMPORARY PAVEMENT LOCATIONS.

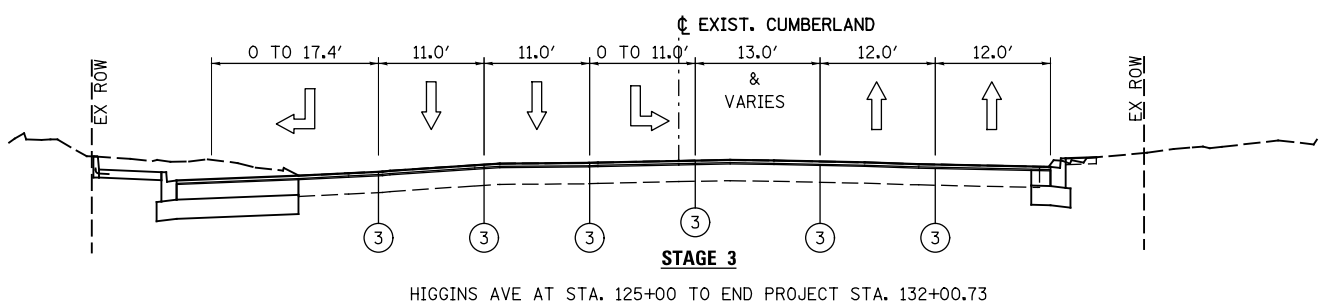
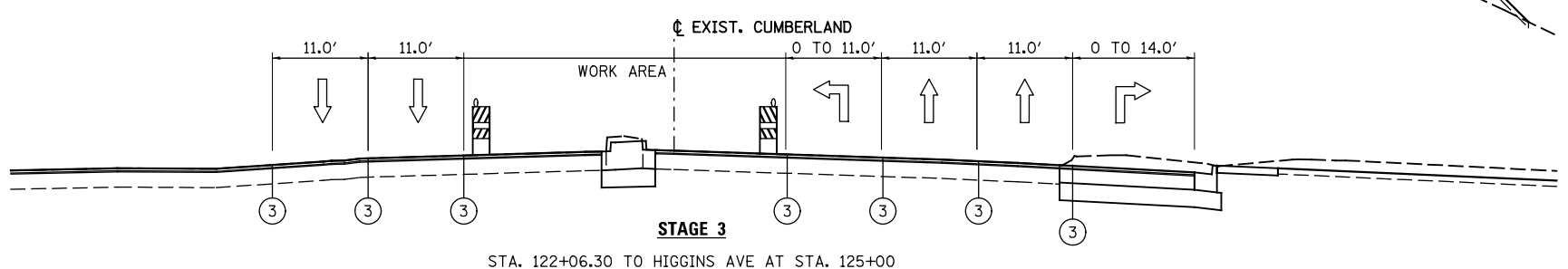
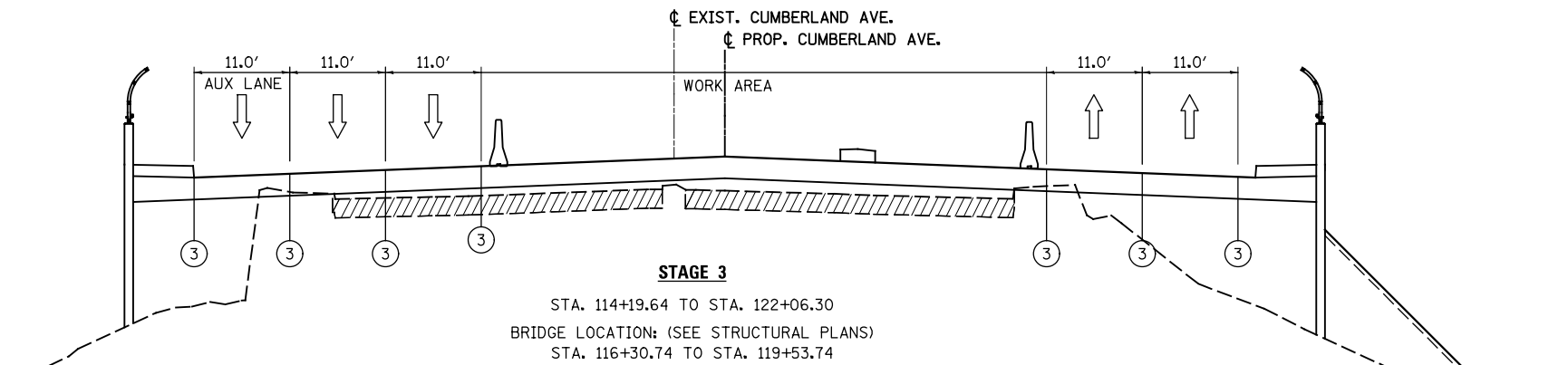
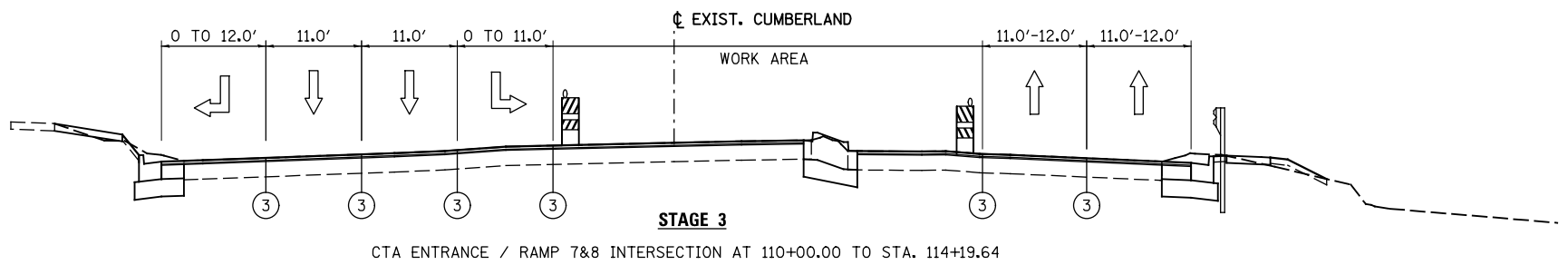
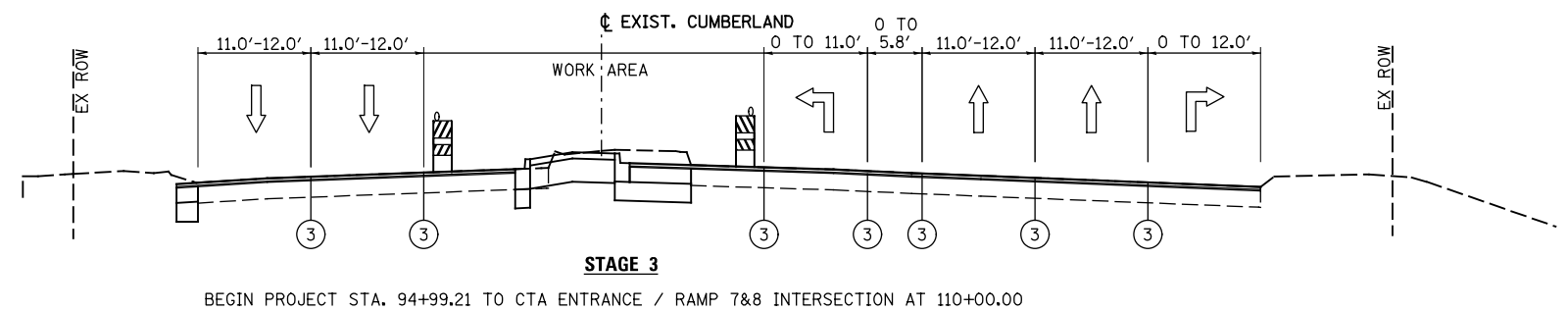
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
TYPICAL SECTIONS STAGE 2 CUMBERLAND AVE**

SCALE: NA SHEET MOT-05 OF 42 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	65
				60J14
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



- LEGEND**
- ① TEMPORARY PAVEMENT MARKING
 - ② WET REF TEM TAPE T3
 - ③ EPOXY PVT MK
 - ▤ TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS (50 FT C-C @ TANGENTS, 25 FT C-C @ TAPERS & 12 FT C-C ALONG RADII)
 - ▤ TEMPORARY CONCRETE BARRIER
 - ▤ TEMPORARY PAVEMENT
 - ▤ GUARDRAIL

NOTE:
SEE THE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR DETAILED LANE CONFIGURATIONS AND TEMPORARY PAVEMENT LOCATIONS.

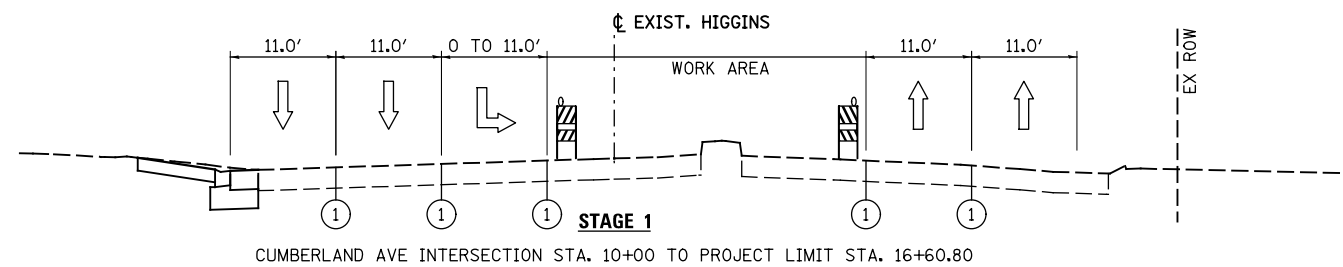
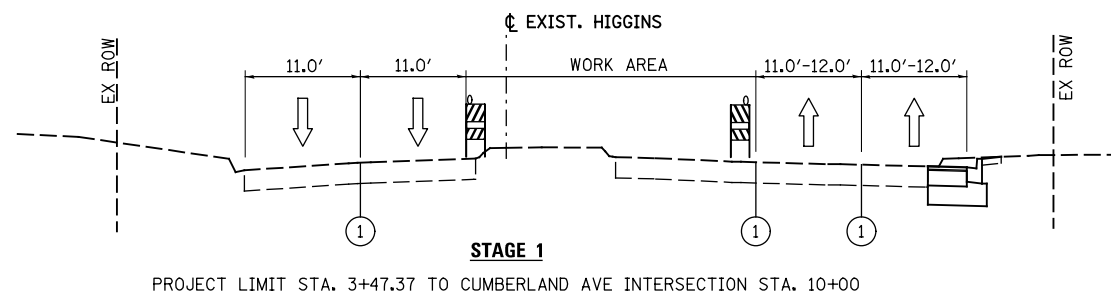
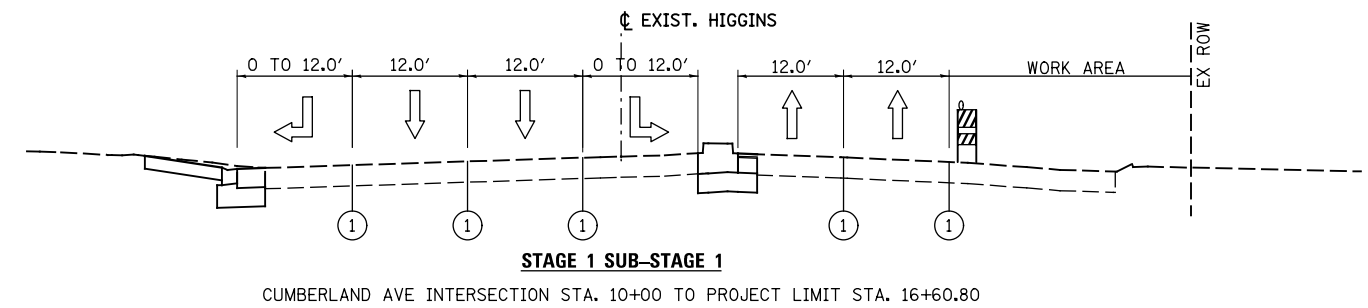
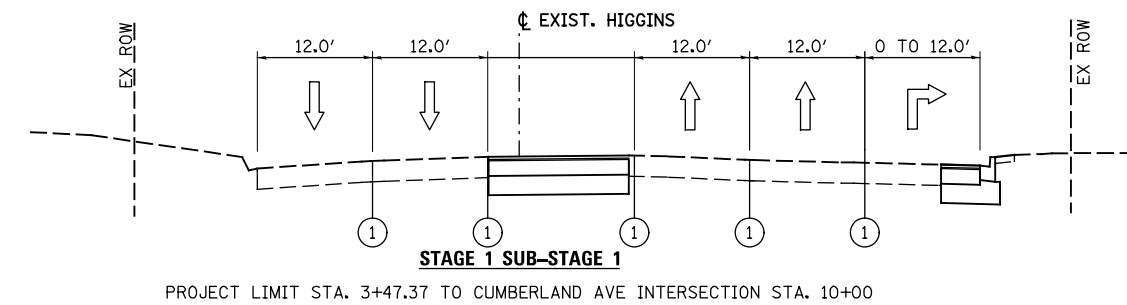
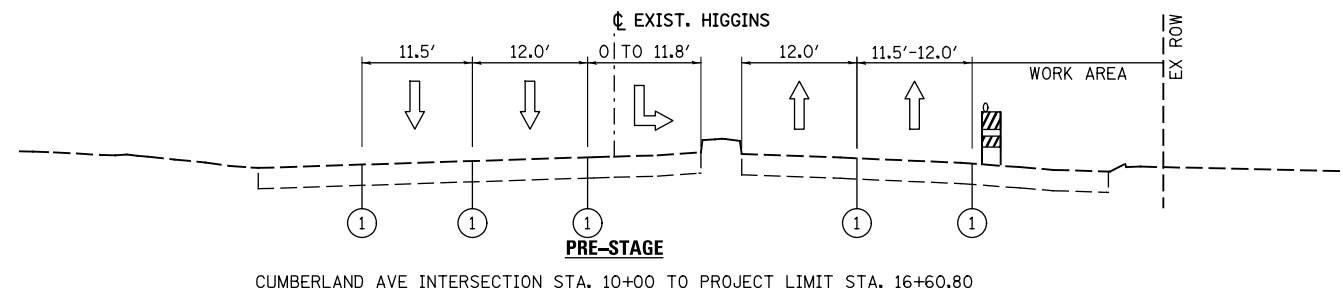
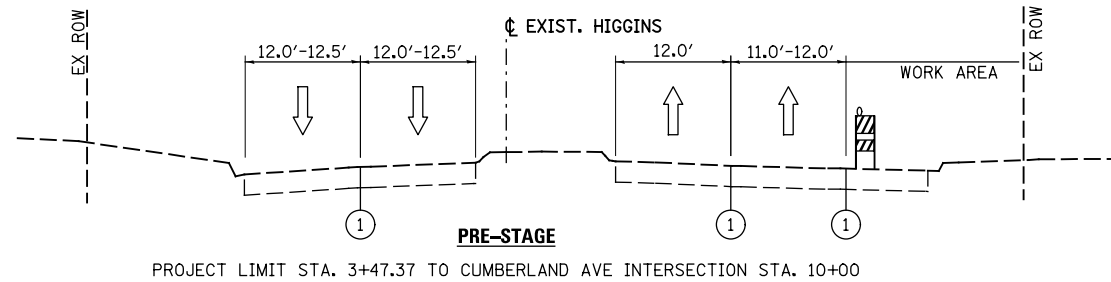
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
TYPICAL SECTIONS STAGE 3 CUMBERLAND AVE**

SCALE: NA SHEET MOT-06 OF 42 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	66
				60J14
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LEGEND

- ① TEMPORARY PAVEMENT MARKING
- ② WET REF TEM TAPE T3
- ③ EPOXY PVT MK
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS (50 FT C-C @ TANGENTS, 25 FT C-C @ TAPERS & 12 FT C-C ALONG RADII)
- TEMPORARY CONCRETE BARRIER
- TEMPORARY PAVEMENT
- GUARDRAIL

NOTE:

1. SEE THE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR DETAILED LANE CONFIGURATIONS AND TEMPORARY PAVEMENT LOCATIONS.
2. FOR STAGE 2, HIGGINS RD SHALL BE STRIPED WITH WET REF TEM TAPE T3 IN THE SAME LOCATIONS AS THE PROPOSED PAVEMENT MARKINGS.
3. FOR STAGE 3, HIGGINS RD SHALL BE STRIPED WITH EPOXY PVT MK IN THE SAME LOCATIONS AS THE PROPOSED PAVEMENT MARKINGS.

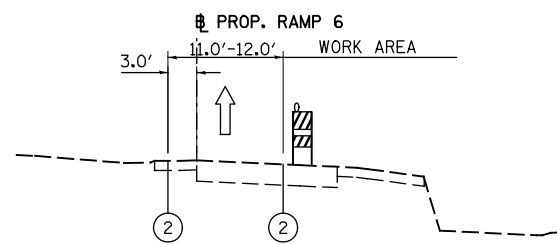
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

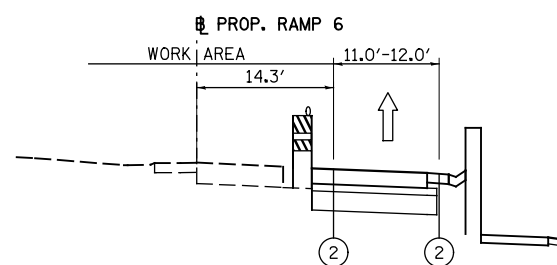
**SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
TYPICAL SECTIONS HIGGINS AVE**

SCALE: NA SHEET MOT-07 OF 42 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	67
				60J14
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				







STAGE 2 I-90 RAMP 6



STAGE 2 SUB-STAGE 1 I-90 RAMP 6

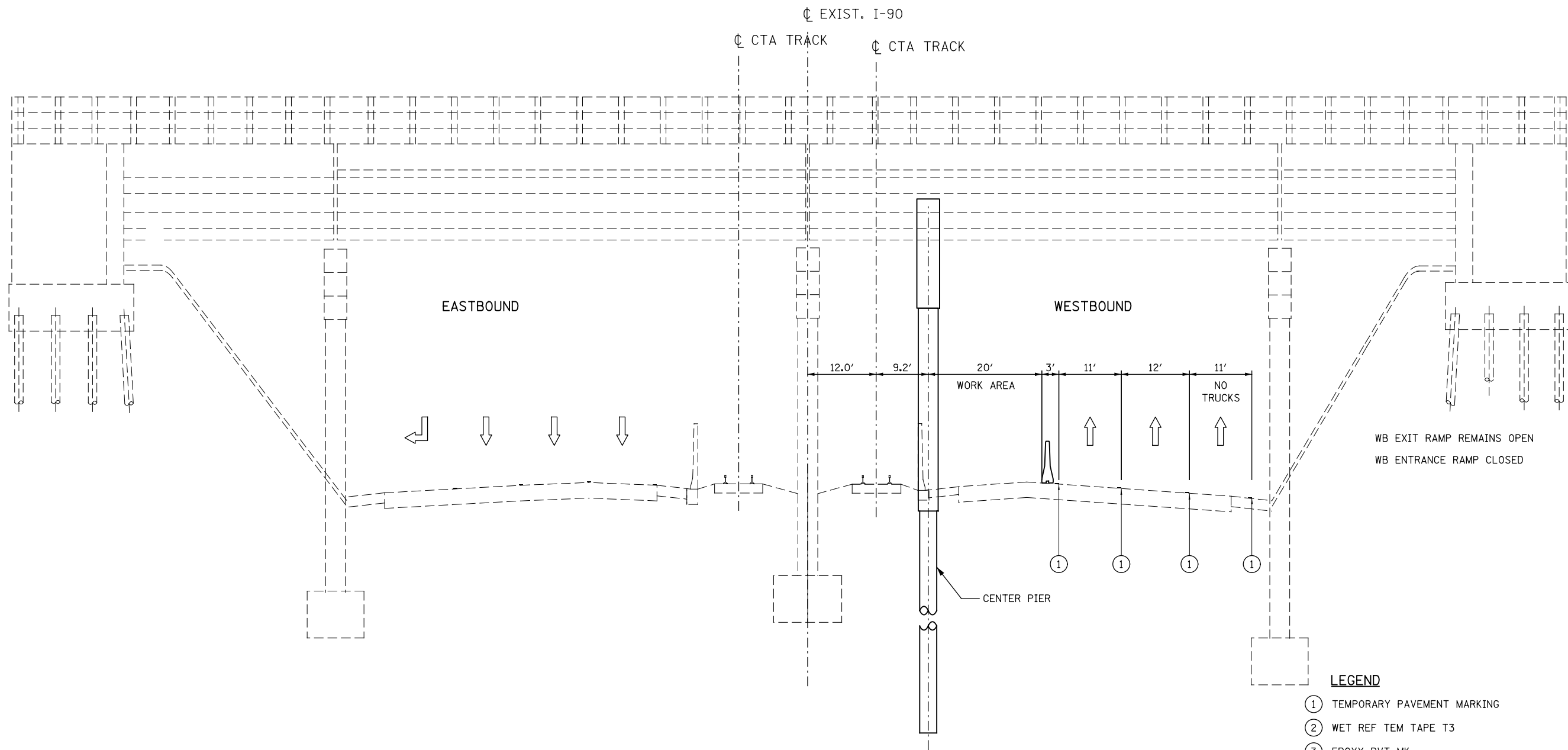
LEGEND

- ① TEMPORARY PAVEMENT MARKING
- ② WET REF TEM TAPE T3
- ③ EPOXY PVT MK
-  TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS (50 FT C-C @ TANGENTS, 25 FT C-C @ TAPERS & 12 FT C-C ALONG RADII)
-  TEMPORARY CONCRETE BARRIER
-  TEMPORARY PAVEMENT
-  GUARDRAIL

NOTE:

SEE THE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR DETAILED LANE CONFIGURATIONS AND TEMPORARY PAVEMENT LOCATIONS.

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	DRAWN - CPK	REVISED -		SCALE: NA	SHEET	MOT-08 OF 42	STA.	TO STA.	2746	1616B	COOK	404
CHECKED - JAH DATE - 2/18/2013	REVISIONS REVISIONS REVISIONS											60J14
								FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



WESTBOUND I-90 LANE SHIFT FOR CENTER PIER
 BELOW GRADE CENTER PIER CONSTRUCTION
 MAINTAIN 3 LANES

LEGEND

- ① TEMPORARY PAVEMENT MARKING
- ② WET REF TEM TAPE T3
- ③ EPOXY PVT MK
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS (50 FT C-C @ TANGENTS, 25 FT C-C @ TAPERS & 12 FT C-C ALONG RADII)
- TEMPORARY CONCRETE BARRIER
- TEMPORARY PAVEMENT
- GUARDRAIL

NOTE:
 SEE THE DETAIL FOR I-90 CENTER PIER CONSTRUCTION

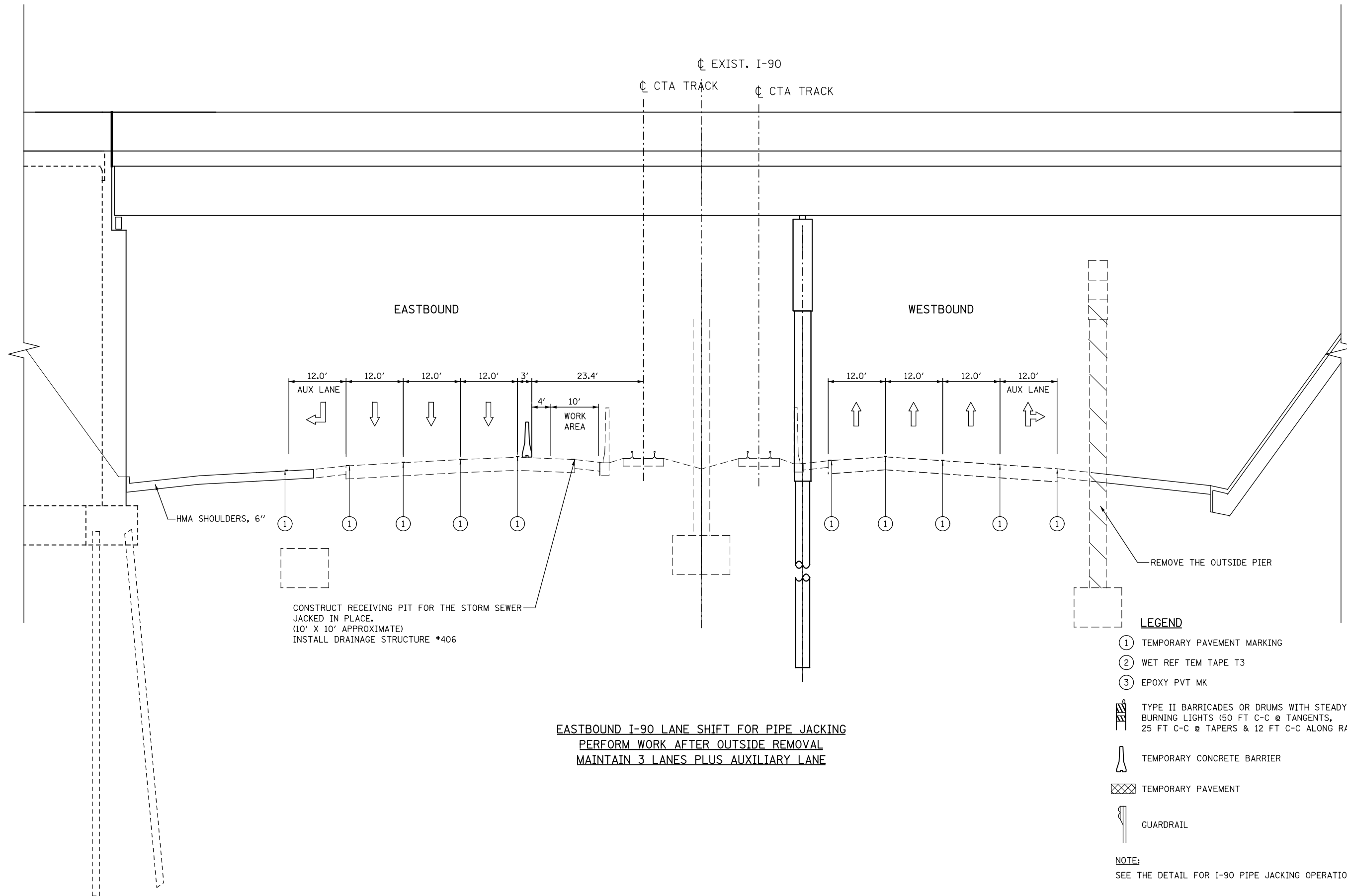
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
 TYPICAL SECTIONS I-90 CENTER PIER CONSTRUCTION

SCALE: NA SHEET MOT-09 OF 42 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	69
				60J14
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



CONSTRUCT RECEIVING PIT FOR THE STORM SEWER
 JACKED IN PLACE.
 (10' X 10' APPROXIMATE)
 INSTALL DRAINAGE STRUCTURE #406

EASTBOUND I-90 LANE SHIFT FOR PIPE JACKING
PERFORM WORK AFTER OUTSIDE REMOVAL
MAINTAIN 3 LANES PLUS AUXILIARY LANE

LEGEND

- ① TEMPORARY PAVEMENT MARKING
- ② WET REF TEM TAPE T3
- ③ EPOXY PVT MK
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS (50 FT C-C @ TANGENTS, 25 FT C-C @ TAPERS & 12 FT C-C ALONG RADII)
- TEMPORARY CONCRETE BARRIER
- TEMPORARY PAVEMENT
- GUARDRAIL

NOTE:
 SEE THE DETAIL FOR I-90 PIPE JACKING OPERATIONS

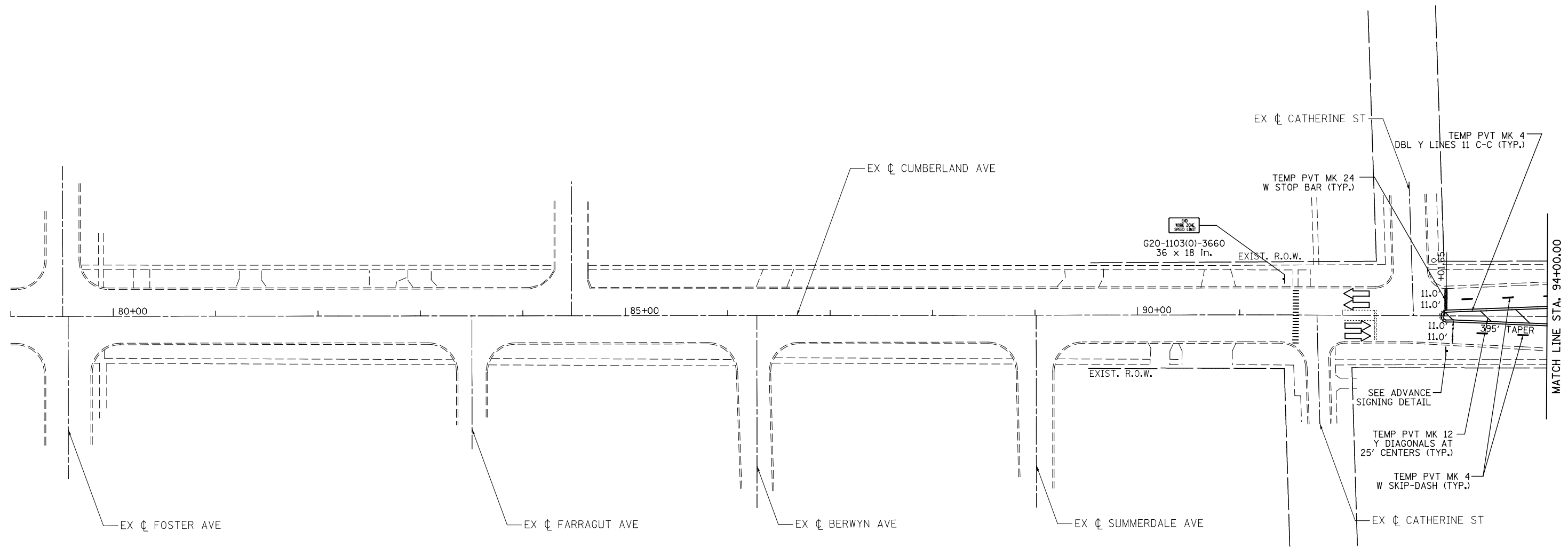
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
TYPICAL SECTIONS I-90 PIPE JACKING OPERATIONS

SCALE: NA SHEET MOT-10 OF 42 STA. TO STA.

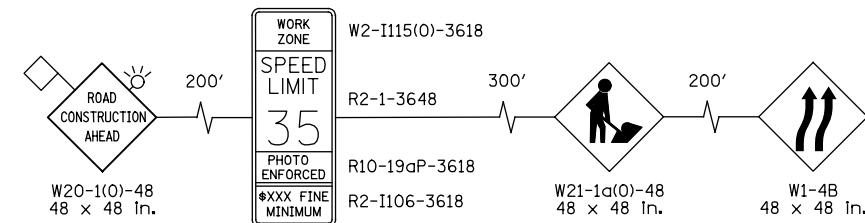
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	70
			60J14	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTE:
SIGN W21-1a(O)-48 SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT.

LEGEND			
	WORK AREA		TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 20 FT CENTERS MONO-DIRECTIONAL ALONG TAPERS, AND 12 FT CENTERS ALONG RADII.
	TEMPORARY PAVEMENT		IMP ATTN TEMP FRN TL3
	PROP. BASE COURSE WIDENING WITH 2 1/2" OF TEMPORARY PAVEMENT		TEMPORARY CONCRETE BARRIER
			VERTICAL PANEL WITH STEADY BURNING LIGHT 50 FT C-C
			DIRECTION OF TRAFFIC
			TYPE III BARRICADES WITH FLASHING LIGHTS

ADVANCE SIGNING DETAIL:



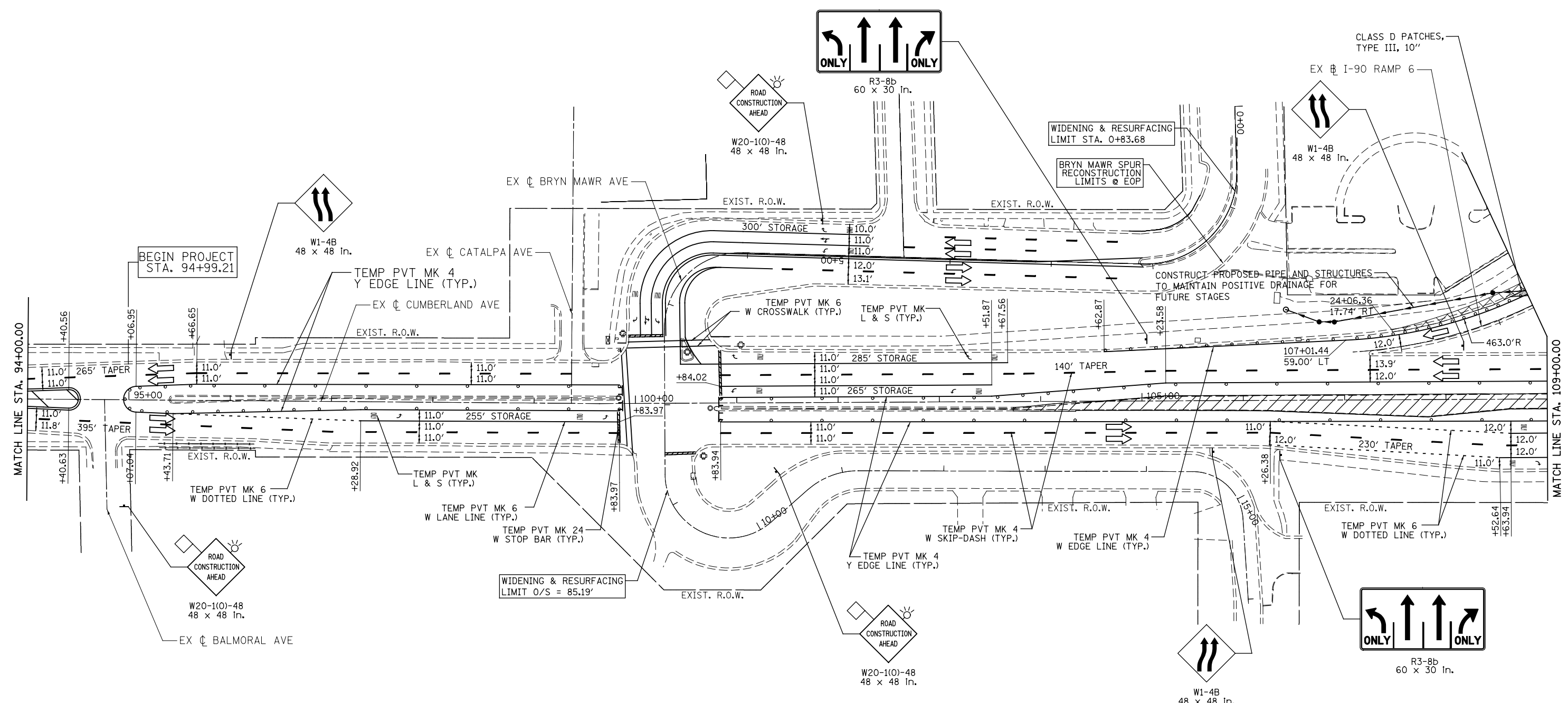
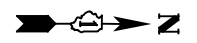
PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = tkceppen(Rdwy_Lisle)	DESIGNED - CPK	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
PRE-STAGE CUMBERLAND AVENUE**

SCALE: 1"=50' SHEET MOT-11 OF 42 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	71
				60J14
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



LEGEND	
	WORK AREA
	TEMPORARY PAVEMENT
	PROP. BASE COURSE WIDENING WITH 2 1/2" OF TEMPORARY PAVEMENT
	TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 20 FT CENTERS MONO-DIRECTIONAL ALONG TAPERS, AND 12 FT CENTERS ALONG RADII.
	IMP ATTN TEMP FRN TL3
	TEMPORARY CONCRETE BARRIER
	DIRECTION OF TRAFFIC
	VERTICAL PANEL WITH STEADY BURNING LIGHT 50 FT C-C
	TYPE III BARRICADES WITH FLASHING LIGHTS

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LISLE, IL 60532
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DRAWN - CPK
CHECKED - JAH
DATE - 2/18/2013

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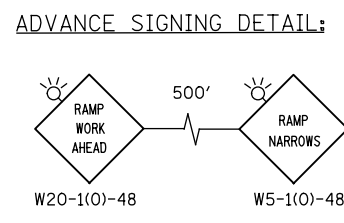
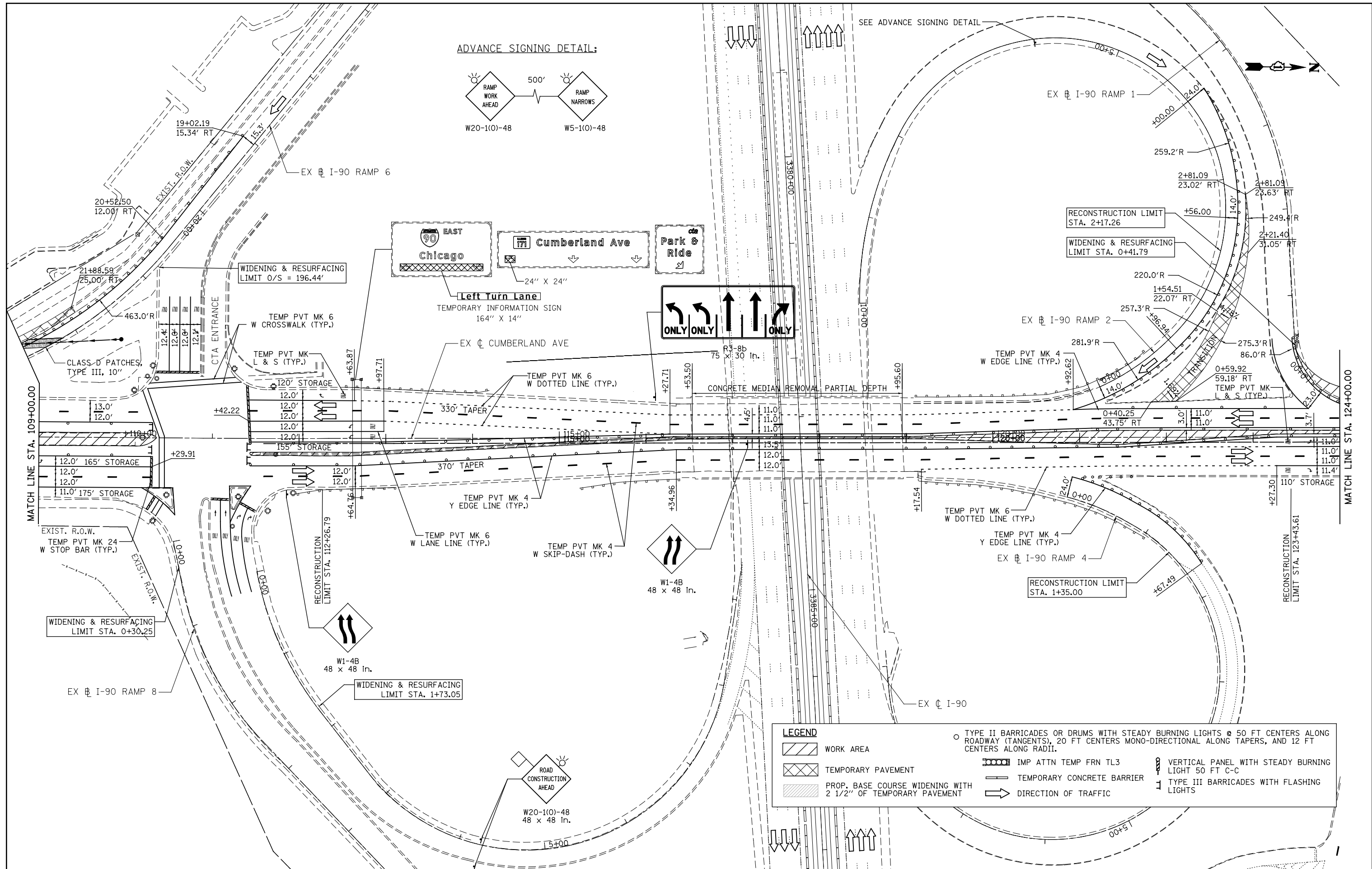
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
PRE-STAGE CUMBERLAND AVENUE**

SCALE: 1"=50' SHEET MOT-12 OF 42 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	72
				60J14
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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LEGEND

WORK AREA	TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 20 FT CENTERS MONO-DIRECTIONAL ALONG TAPERS, AND 12 FT CENTERS ALONG RADII.
TEMPORARY PAVEMENT	IMP ATTN TEMP FRN TL3
PROP. BASE COURSE WIDENING WITH 2 1/2" OF TEMPORARY PAVEMENT	TEMPORARY CONCRETE BARRIER
	DIRECTION OF TRAFFIC
	VERTICAL PANEL WITH STEADY BURNING LIGHT 50 FT C-C
	TYPE III BARRICADES WITH FLASHING LIGHTS

 PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = tkceppen(Rdwy_Lisle)	DESIGNED - CPK	REVISED -
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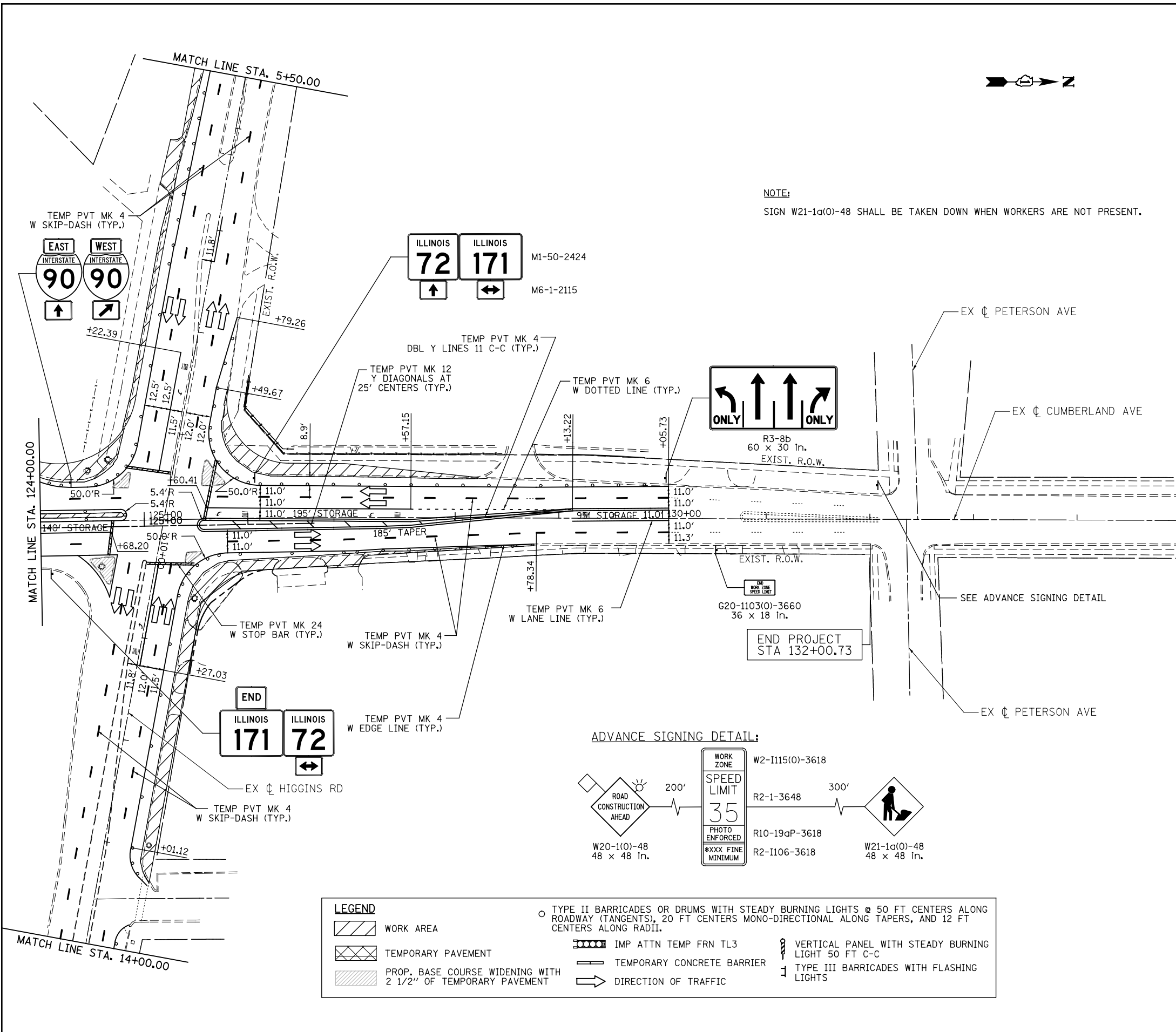
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
PRE-STAGE CUMBERLAND AVENUE**

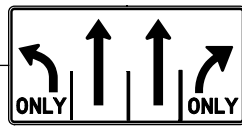
SCALE: 1"=50'	SHEET MOT-13 OF 42	STA. TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	73
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				60J14

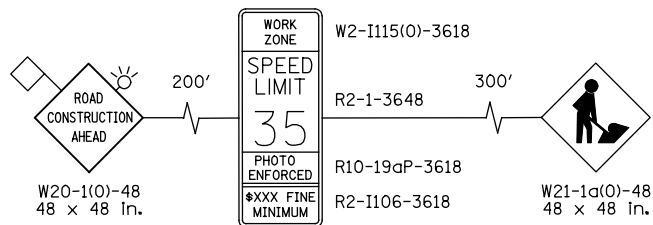
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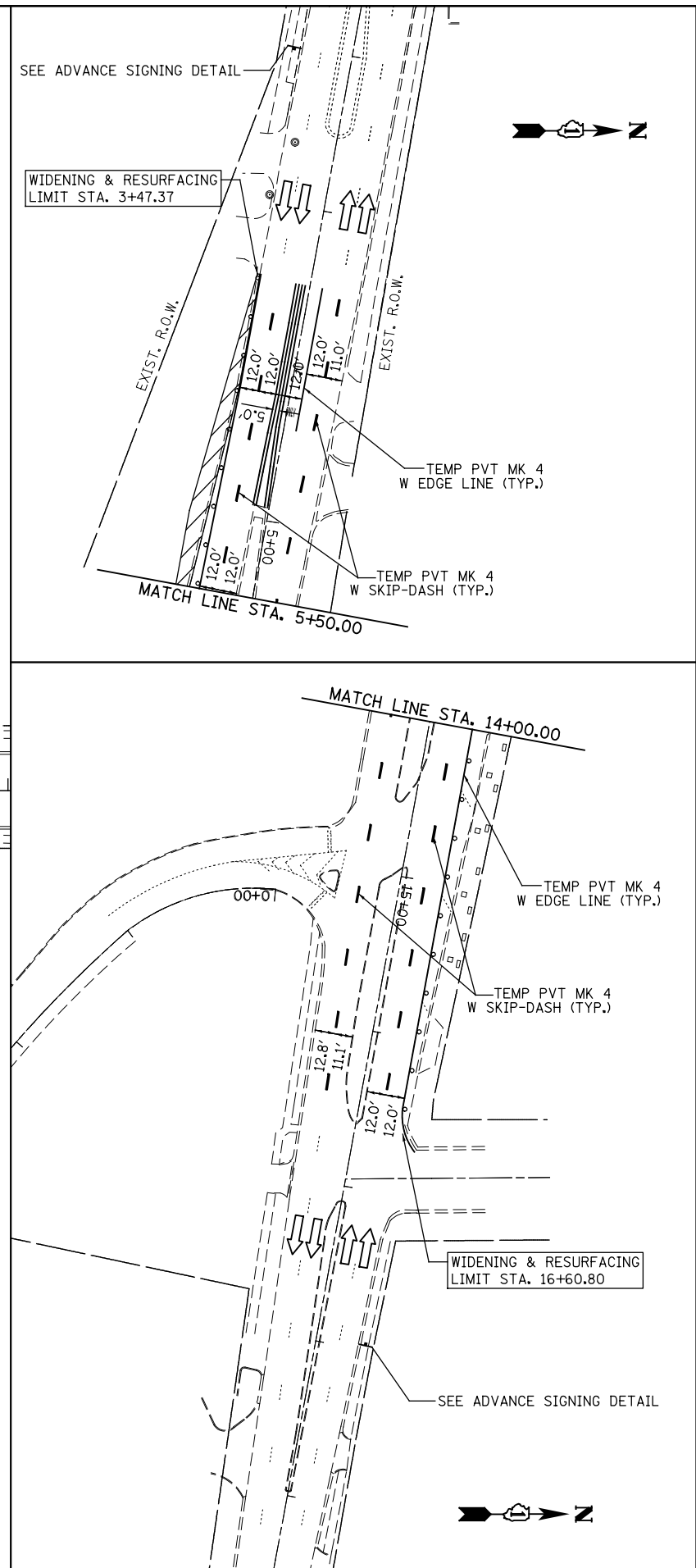
NOTE:
SIGN W21-1a(0)-48 SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT.



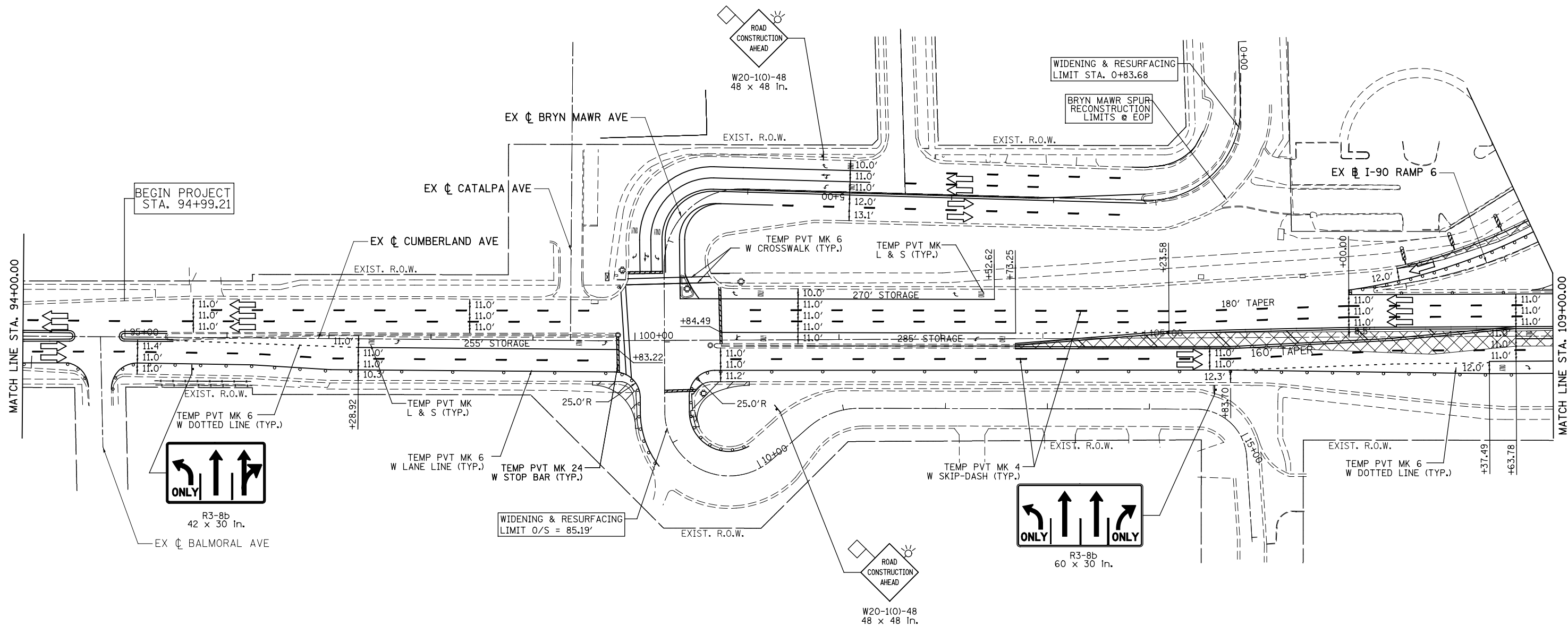
ADVANCE SIGNING DETAIL:



LEGEND	
	WORK AREA
	TEMPORARY PAVEMENT
	PROP. BASE COURSE WIDENING WITH 2 1/2" OF TEMPORARY PAVEMENT
	TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 20 FT CENTERS MONO-DIRECTIONAL ALONG TAPERS, AND 12 FT CENTERS ALONG RADII.
	IMP ATTN TEMP FRN TL3
	TEMPORARY CONCRETE BARRIER
	DIRECTION OF TRAFFIC
	VERTICAL PANEL WITH STEADY BURNING LIGHT 50 FT C-C
	TYPE III BARRICADES WITH FLASHING LIGHTS



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LEGEND	
	WORK AREA
	TEMPORARY PAVEMENT
	PROP. BASE COURSE WIDENING WITH 2 1/2" OF TEMPORARY PAVEMENT
	TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 20 FT CENTERS MONO-DIRECTIONAL ALONG TAPERS, AND 12 FT CENTERS ALONG RADII.
	IMP ATTN TEMP FRN TL3
	TEMPORARY CONCRETE BARRIER
	DIRECTION OF TRAFFIC
	VERTICAL PANEL WITH STEADY BURNING LIGHT 50 FT C-C
	TYPE III BARRICADES WITH FLASHING LIGHTS

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4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

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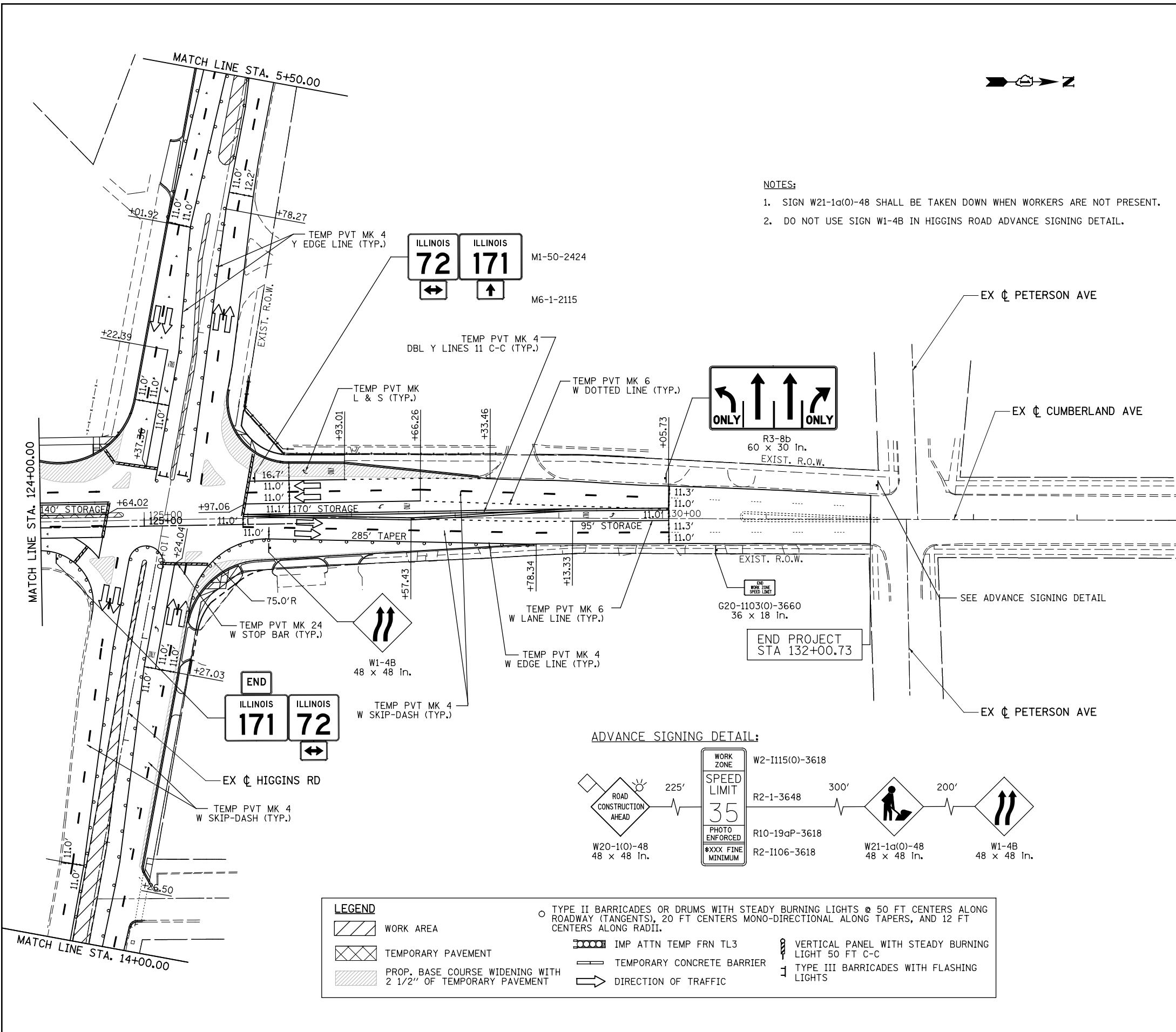
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

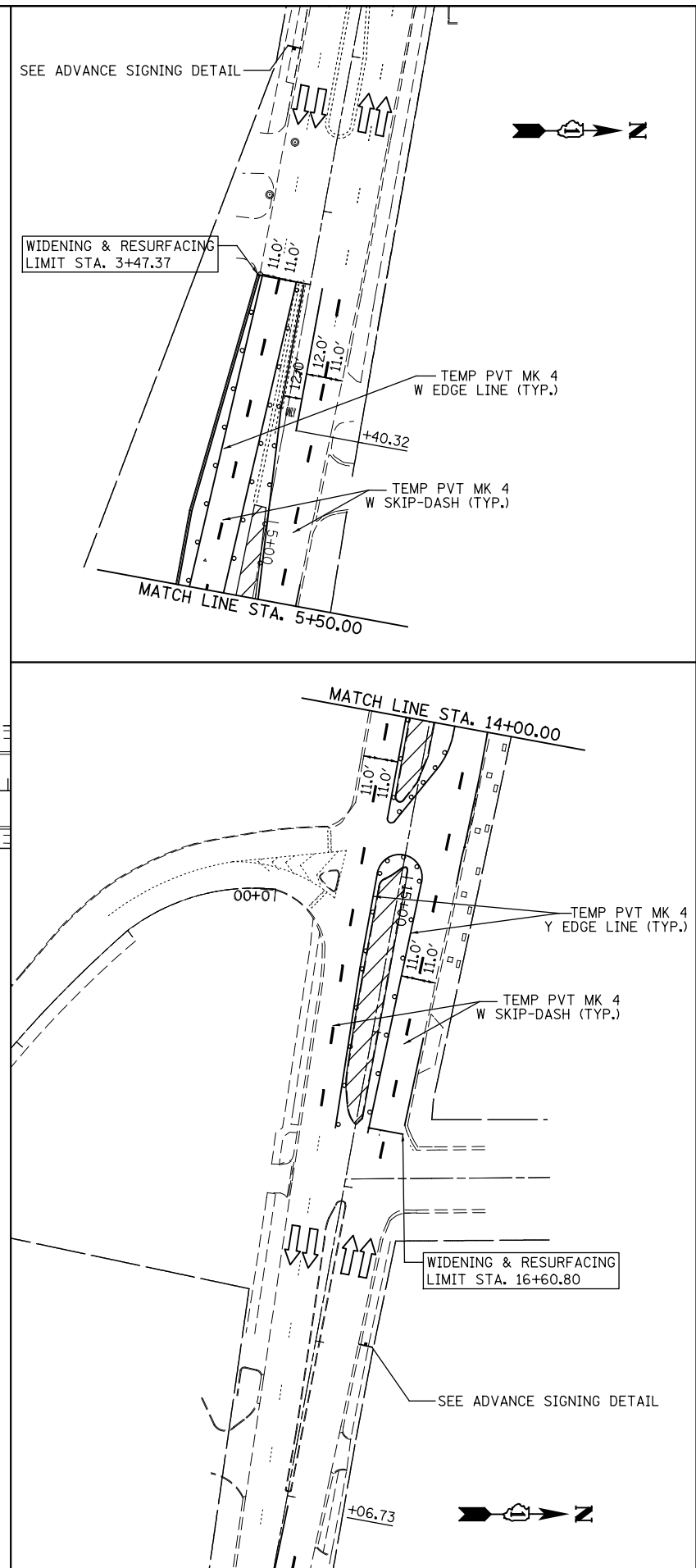
**SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
STAGE 1 CUMBERLAND AVENUE**

SCALE: 1"=50' SHEET MOT-16 OF 42 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	76
				60J14



- NOTES:**
- SIGN W21-1a(0)-48 SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT.
 - DO NOT USE SIGN W1-4B IN HIGGINS ROAD ADVANCE SIGNING DETAIL.



LEGEND

WORK AREA	TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 20 FT CENTERS MONO-DIRECTIONAL ALONG TAPERS, AND 12 FT CENTERS ALONG RADII.
TEMPORARY PAVEMENT	VERTICAL PANEL WITH STEADY BURNING LIGHT 50 FT C-C
PROP. BASE COURSE WIDENING WITH 2 1/2" OF TEMPORARY PAVEMENT	DIRECTION OF TRAFFIC
IMP ATTN TEMP FRN TL3	TYPE III BARRICADES WITH FLASHING LIGHTS
TEMPORARY CONCRETE BARRIER	

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 LISLE, IL 60532
 patrickengineering.com

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

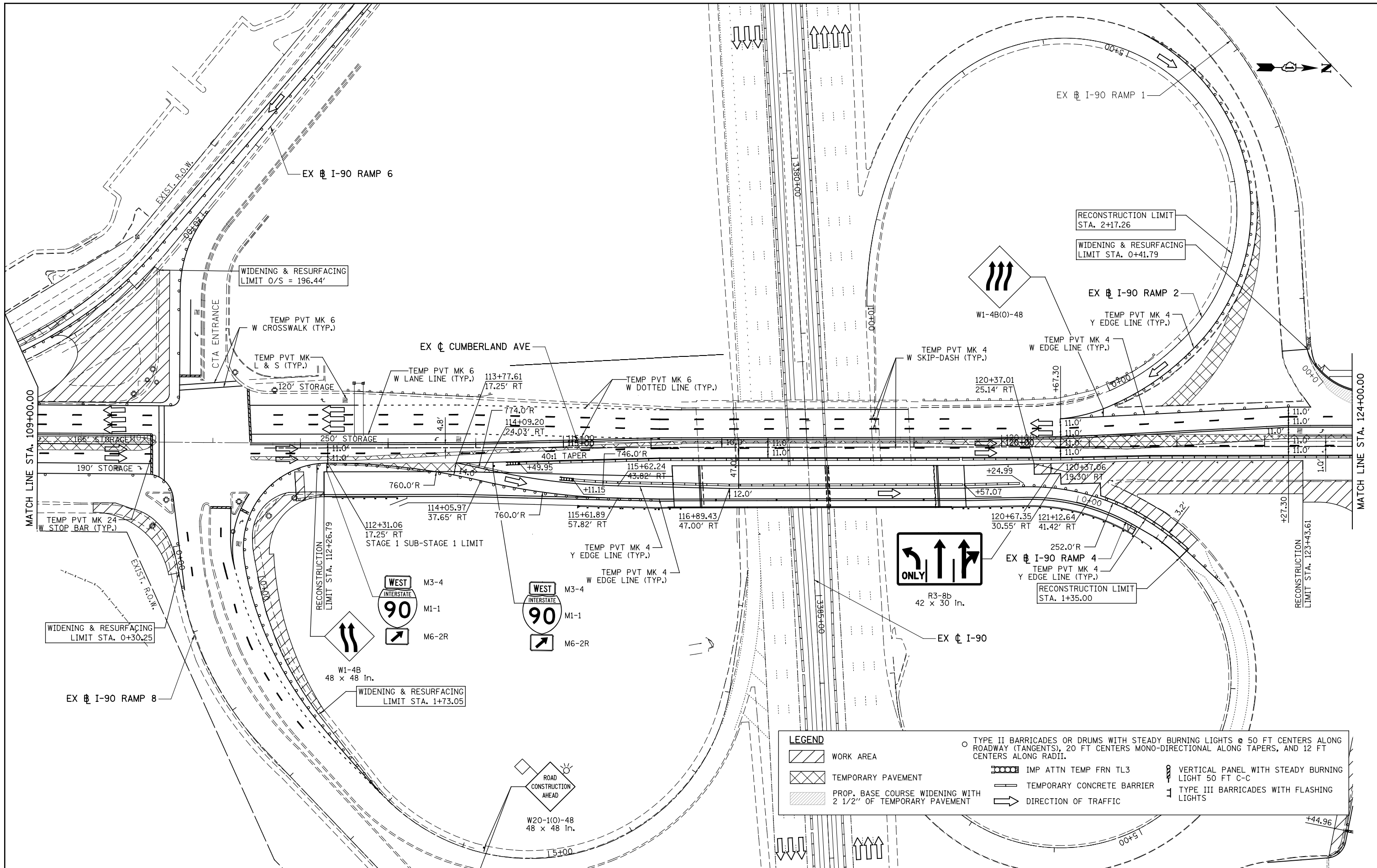
**SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
 STAGE 1 CUMBERLAND AVENUE**

SCALE: 1"=50' SHEET MOT-18 OF 42 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	78
				60J14

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

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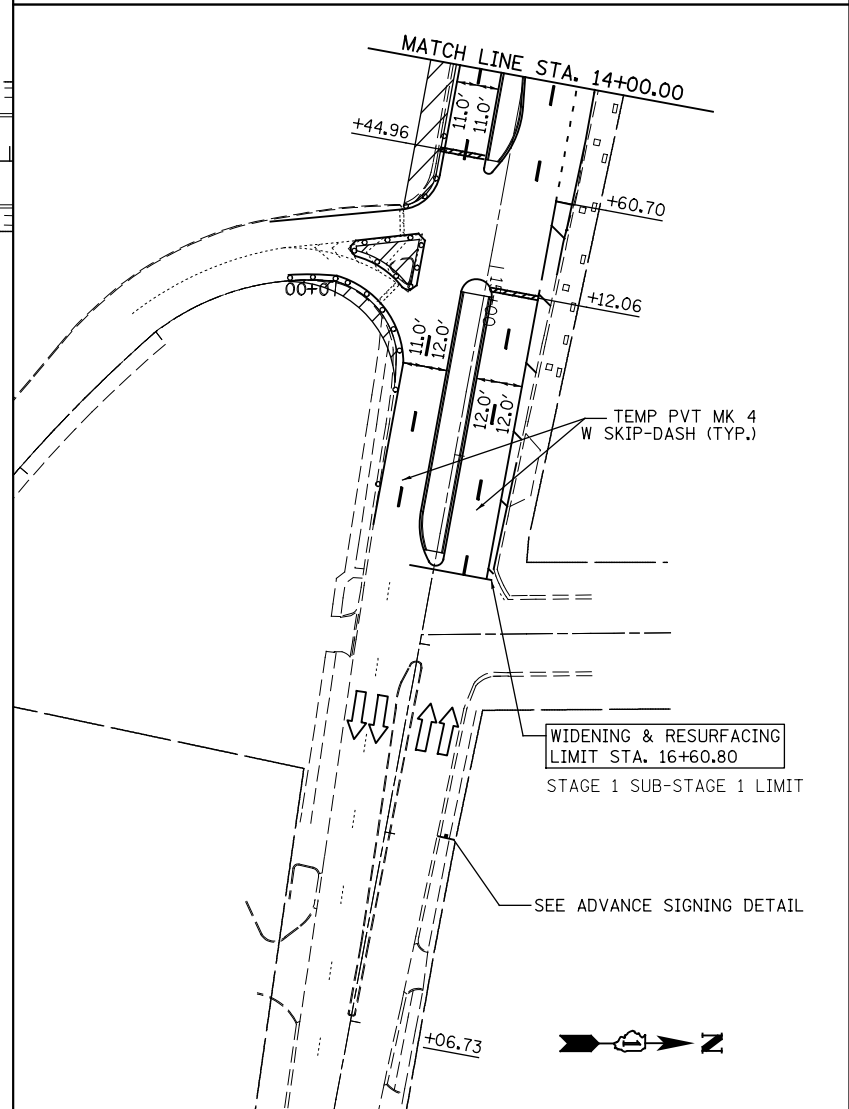
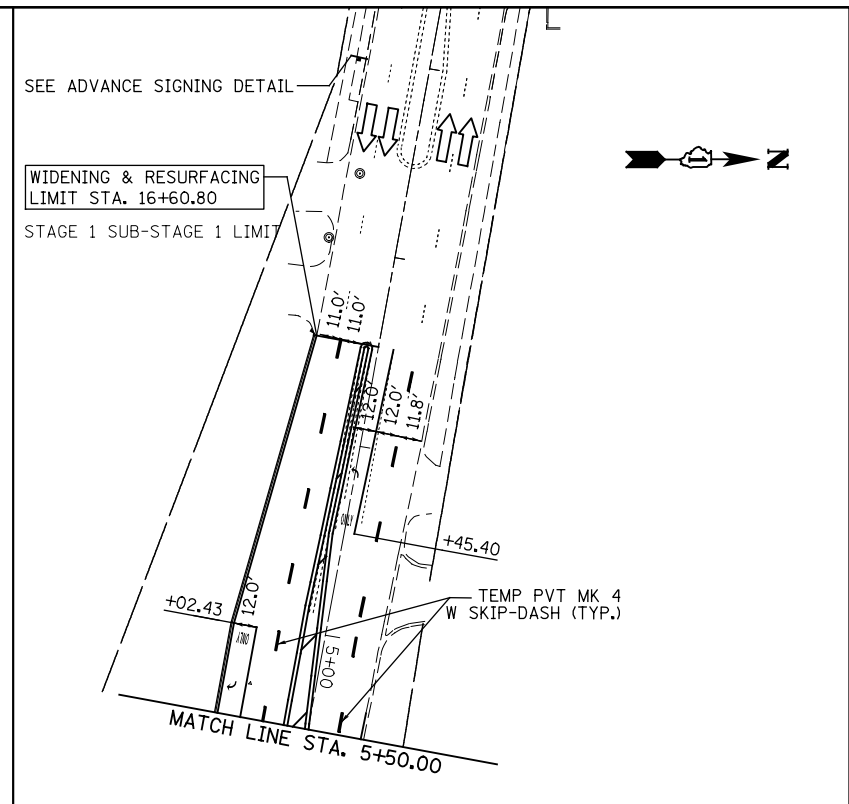
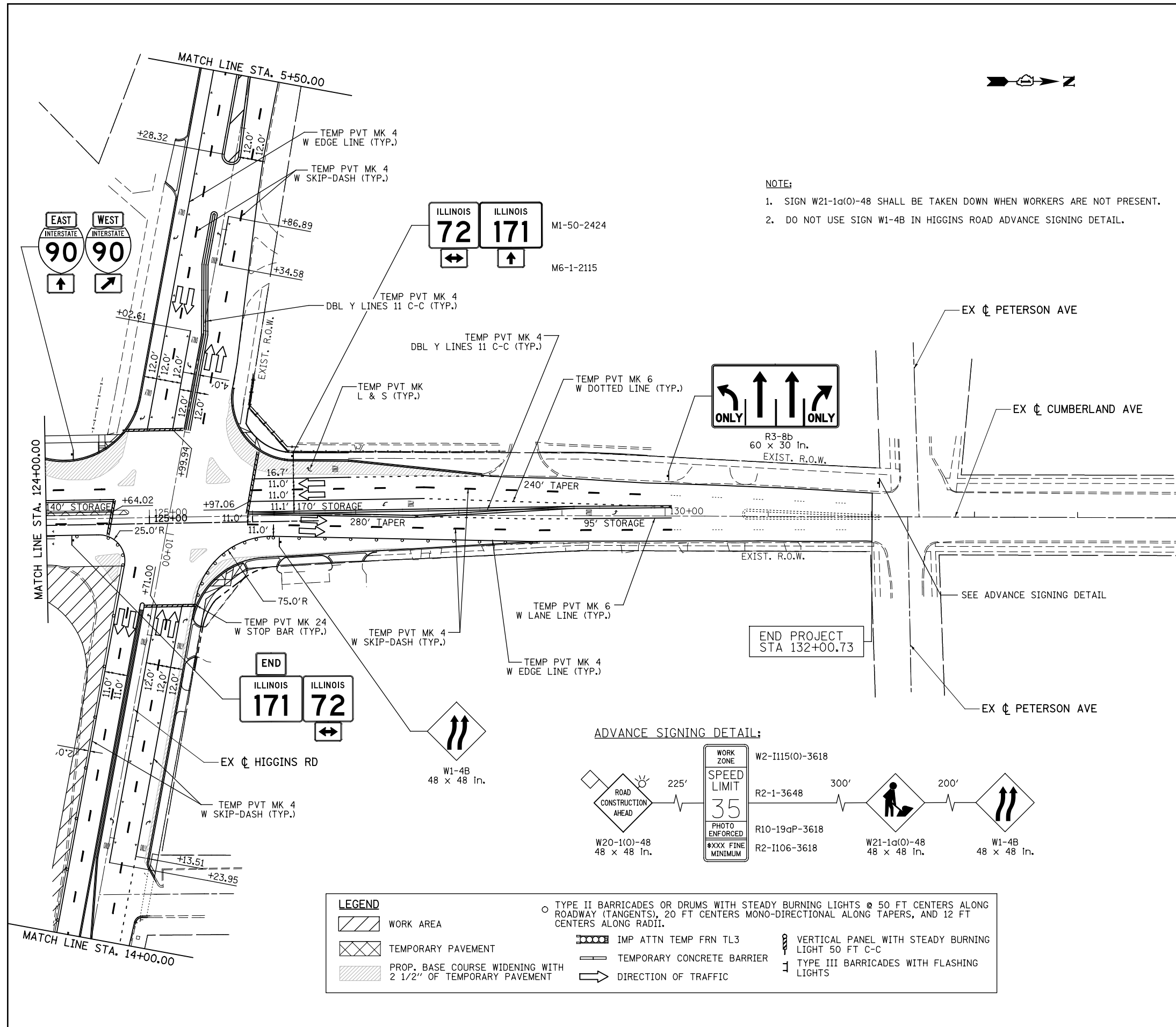
LEGEND		TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 20 FT CENTERS MONO-DIRECTIONAL ALONG TAPERS, AND 12 FT CENTERS ALONG RADII.	
	WORK AREA		TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 20 FT CENTERS MONO-DIRECTIONAL ALONG TAPERS, AND 12 FT CENTERS ALONG RADII.
	TEMPORARY PAVEMENT		TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 20 FT CENTERS MONO-DIRECTIONAL ALONG TAPERS, AND 12 FT CENTERS ALONG RADII.
	PROP. BASE COURSE WIDENING WITH 2 1/2" OF TEMPORARY PAVEMENT		TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 20 FT CENTERS MONO-DIRECTIONAL ALONG TAPERS, AND 12 FT CENTERS ALONG RADII.
			TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 20 FT CENTERS MONO-DIRECTIONAL ALONG TAPERS, AND 12 FT CENTERS ALONG RADII.
	DIRECTION OF TRAFFIC		TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 20 FT CENTERS MONO-DIRECTIONAL ALONG TAPERS, AND 12 FT CENTERS ALONG RADII.
	VERTICAL PANEL WITH STEADY BURNING LIGHT 50 FT C-C		TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 20 FT CENTERS MONO-DIRECTIONAL ALONG TAPERS, AND 12 FT CENTERS ALONG RADII.
	TYPE III BARRICADES WITH FLASHING LIGHTS		TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 20 FT CENTERS MONO-DIRECTIONAL ALONG TAPERS, AND 12 FT CENTERS ALONG RADII.

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			
SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL STAGE 1 SUB-STAGE 1			
SCALE: 1"=50'	SHEET MOT-19 OF 42	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	79
60J14				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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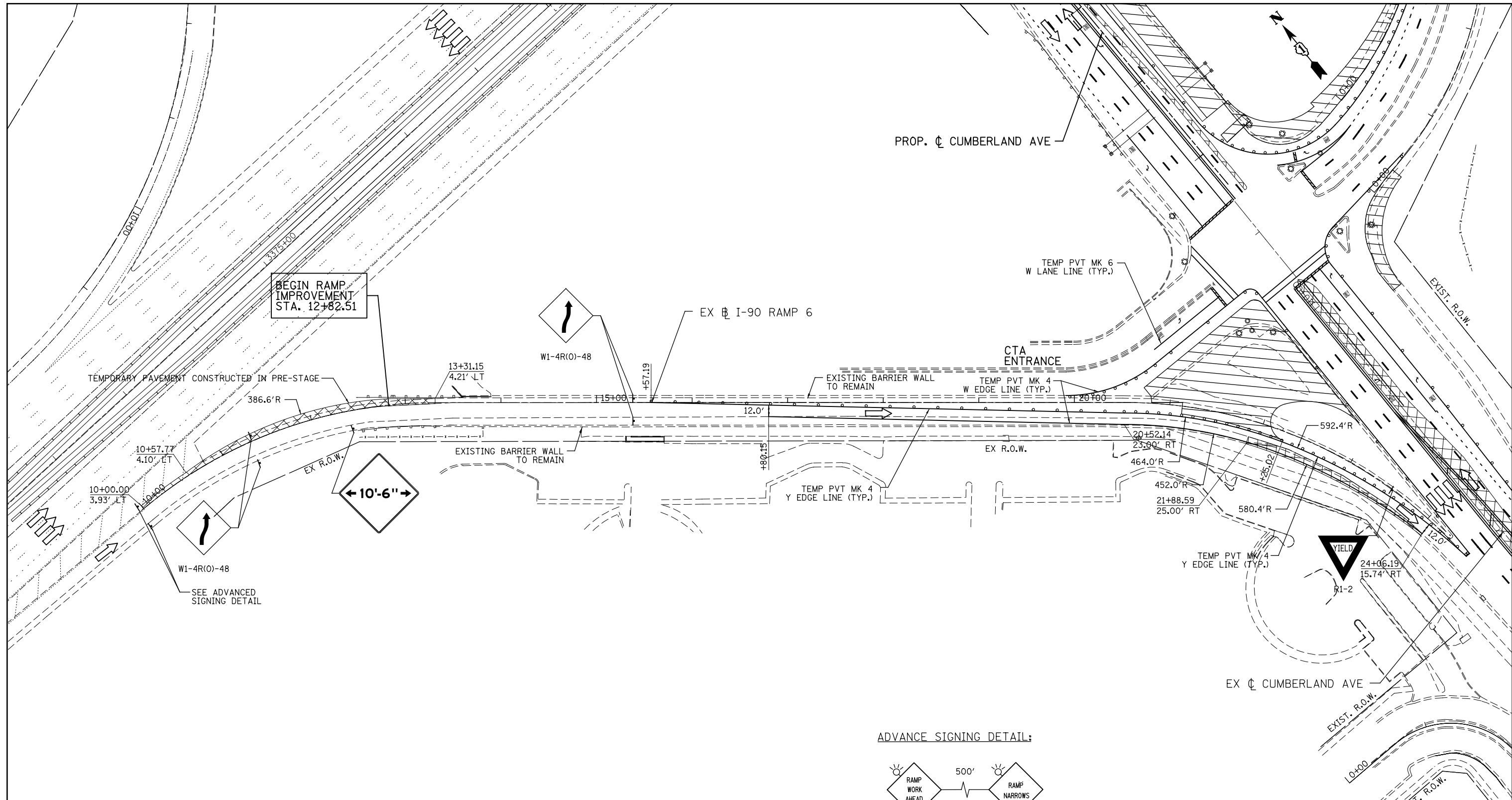
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL			
STAGE 1 SUB-STAGE 1			
SCALE: 1"=50'	SHEET MOT-20 OF 42	STA. TO STA.	

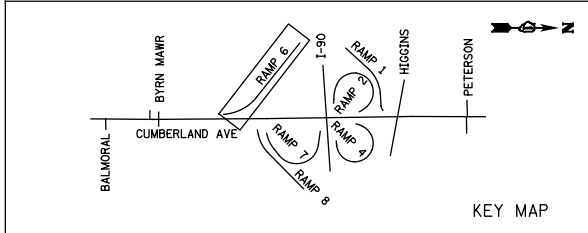
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2746	1616B	COOK	404	80
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				60J14

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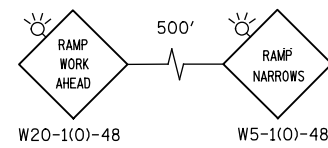


NOTE:
PLACE FOLLOWING SIGN AT START OF RAMP ON I-90 EASTBOUND MAINLINE.

**RAMP TO
IL 171 SOUTH
MAX WIDTH
10'-6"**



ADVANCE SIGNING DETAIL:



LEGEND

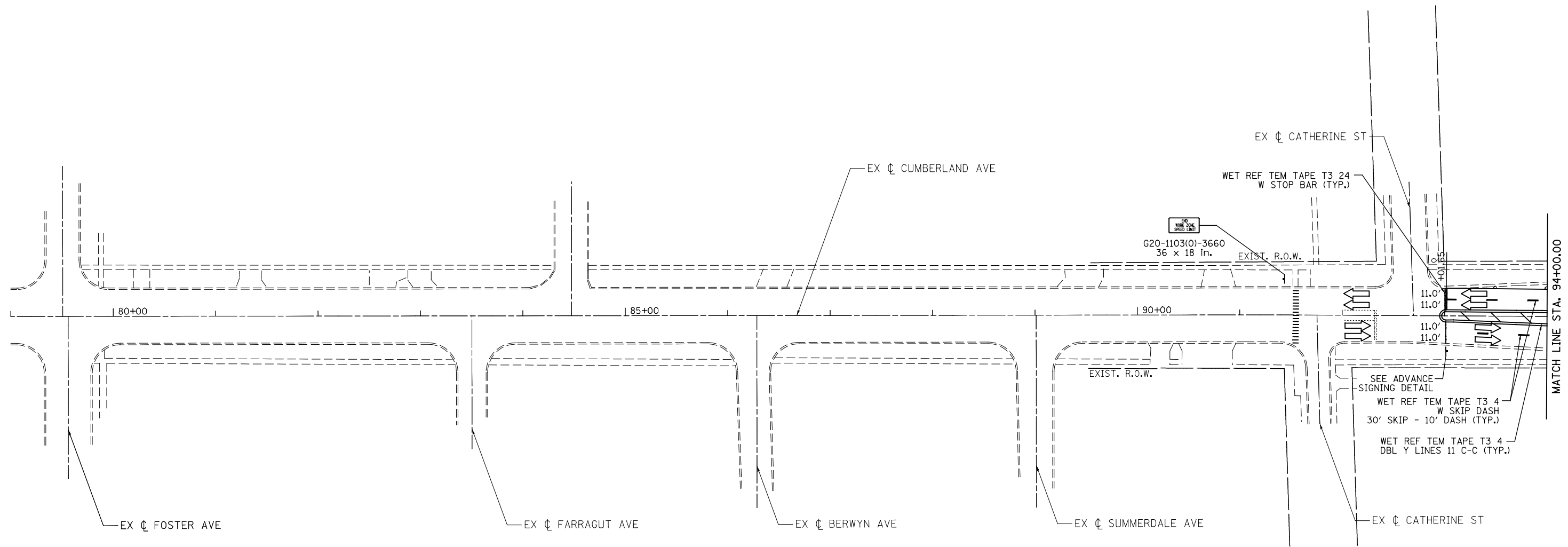
- WORK AREA
- TEMPORARY PAVEMENT
- PROP. BASE COURSE WIDENING WITH 2 1/2" OF TEMPORARY PAVEMENT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 25 FT CENTERS MONO-DIRECTIONAL ALONG TAPERS, AND 12 FT CENTERS ALONG RADIAL.
- IMP ATTN TEMP FRN TL3
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC
- VERTICAL PANEL WITH STEADY BURNING LIGHT 50 FT C-C
- TYPE III BARRICADES WITH FLASHING LIGHTS

PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = tkceppen(Rdwy_Lisle)	DESIGNED - CPK	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL			
STAGE 1 SUB-STAGE 1 FOR I-90 RAMP 6			
SCALE: 1"=50'	SHEET	MOT-21 OF 42	STA. TO STA.

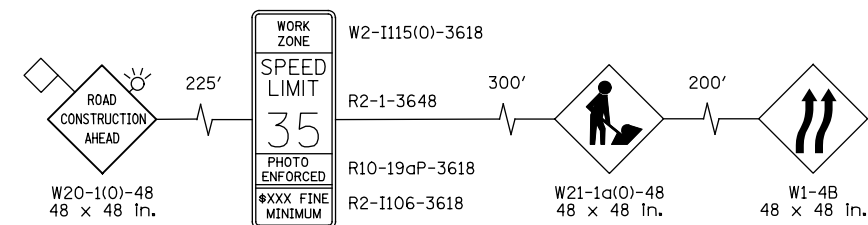
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2746	1616B	COOK	404	81
				60J14
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



NOTE:
SIGN W21-1a(0)-48 SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT.

LEGEND	
	WORK AREA
	TEMPORARY PAVEMENT
	PROP. BASE COURSE WIDENING WITH 2 1/2" OF TEMPORARY PAVEMENT
	TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 20 FT CENTERS MONO-DIRECTIONAL ALONG TAPERS, AND 12 FT CENTERS ALONG RADII.
	IMP ATTN TEMP FRN TL3
	TEMPORARY CONCRETE BARRIER
	DIRECTION OF TRAFFIC
	VERTICAL PANEL WITH STEADY BURNING LIGHT 50 FT C-C
	TYPE III BARRICADES WITH FLASHING LIGHTS

ADVANCE SIGNING DETAIL:



PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = tkceppeni@rdwy.lisle	DESIGNED - CPK	REVISED -
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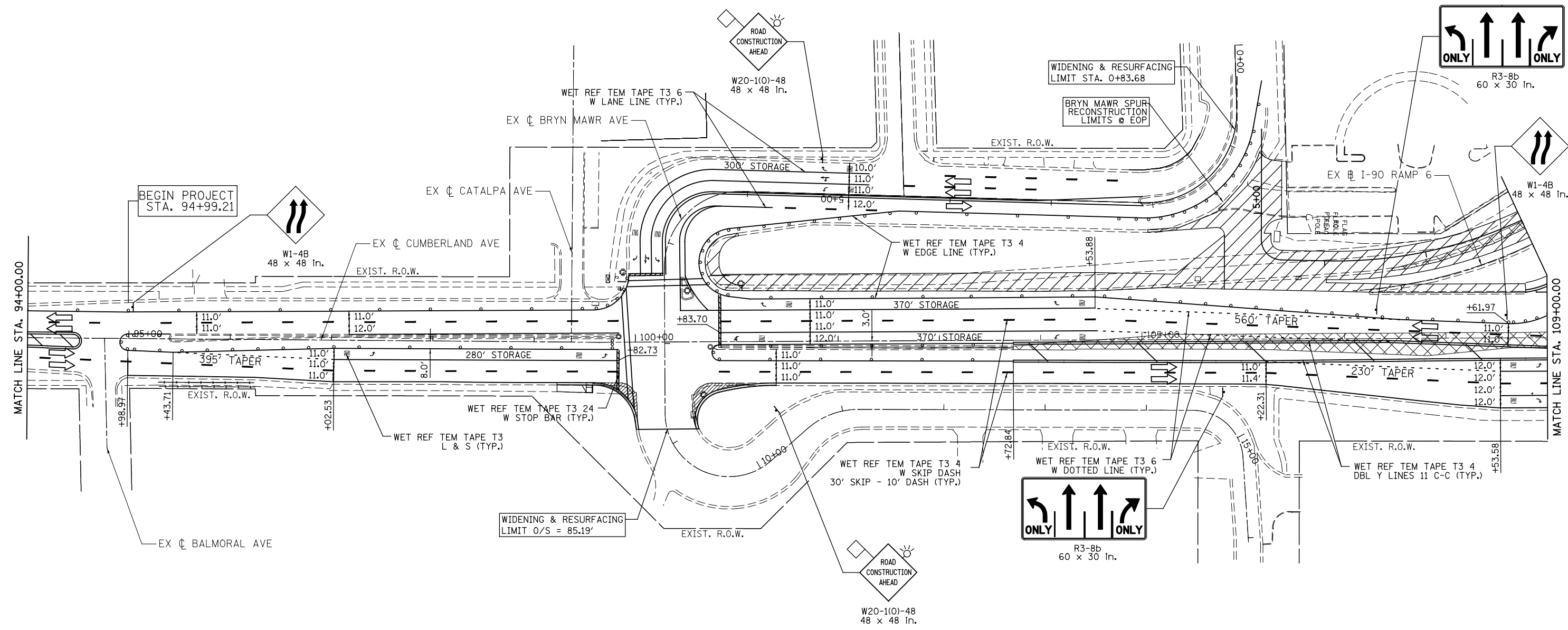
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
STAGE 2 CUMBERLAND AVENUE**

SCALE: 1"=50' SHEET MOT-22 OF 42 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	82
				60J14

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



LEGEND	
	WORK AREA
	TEMPORARY PAVEMENT
	PROP. BASE COURSE WIDENING WITH 2 1/2" OF TEMPORARY PAVEMENT
	TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 20 FT CENTERS MONO-DIRECTIONAL ALONG TAPERS, AND 12 FT CENTERS ALONG RADII.
	IMP ATTN TEMP FRN TL3
	TEMPORARY CONCRETE BARRIER
	DIRECTION OF TRAFFIC
	VERTICAL PANEL WITH STEADY BURNING LIGHT 50 FT C-C
	TYPE III BARRICADES WITH FLASHING LIGHTS

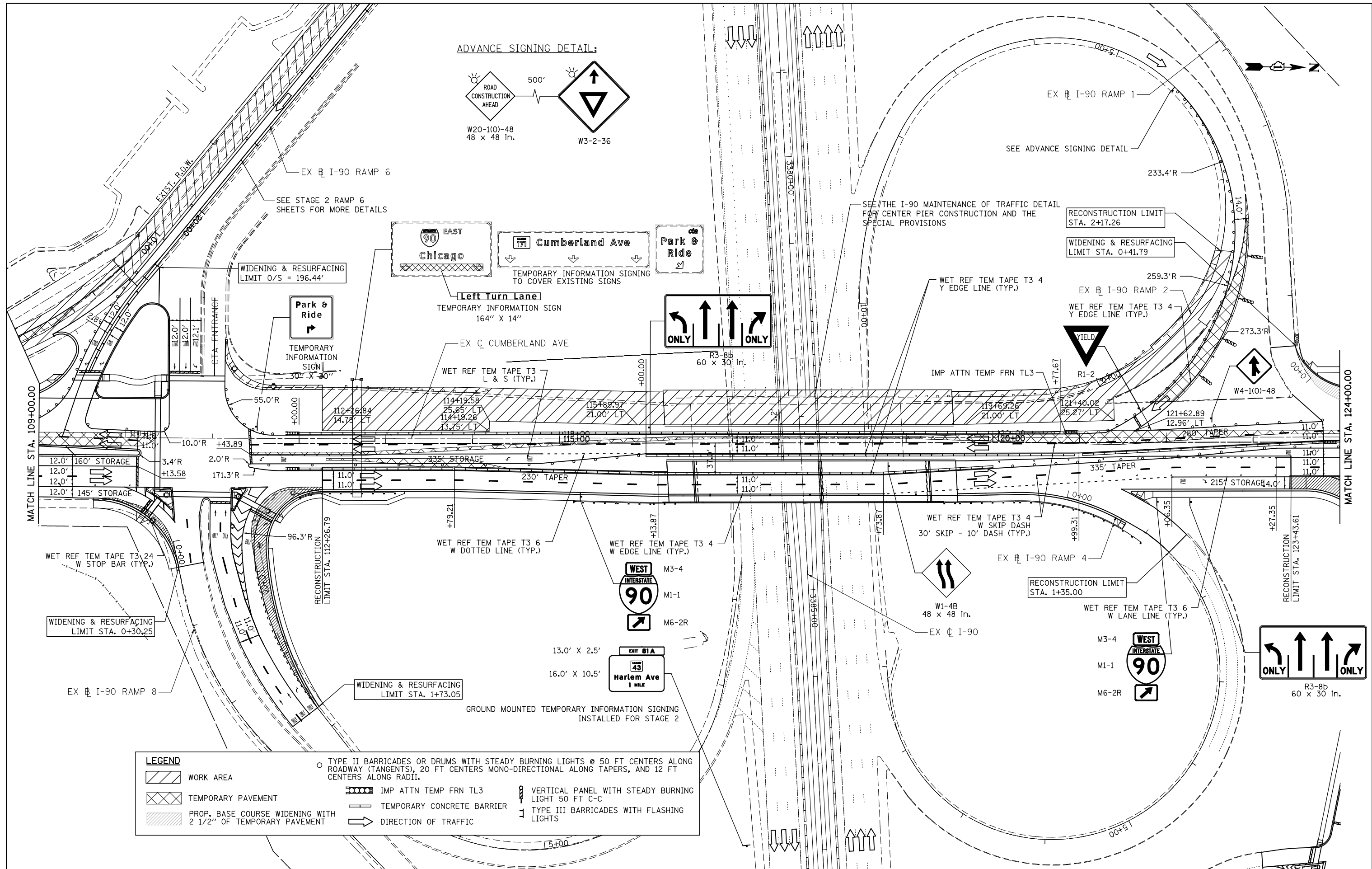
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

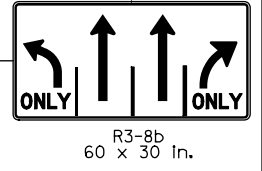
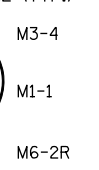
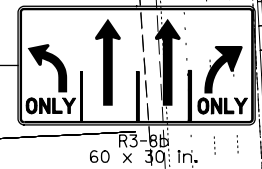
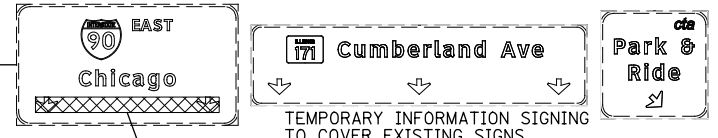
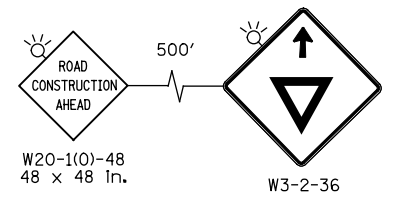
SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL			
STAGE 2 CUMBERLAND AVENUE			
SCALE: 1"=50'	SHEET MOT-23 OF 42	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	83
				60J14
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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ADVANCE SIGNING DETAIL:



LEGEND

	WORK AREA		TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 20 FT CENTERS MONO-DIRECTIONAL ALONG TAPERS, AND 12 FT CENTERS ALONG RADII.
	TEMPORARY PAVEMENT		IMP ATTN TEMP FRN TL3
	PROP. BASE COURSE WIDENING WITH 2 1/2" OF TEMPORARY PAVEMENT		TEMPORARY CONCRETE BARRIER
	DIRECTION OF TRAFFIC		VERTICAL PANEL WITH STEADY BURNING LIGHT 50 FT C-C
			TYPE III BARRICADES WITH FLASHING LIGHTS

PATRICK ENGINEERING INC.
 4970 VARSITY DRIVE
 LISLE, IL 60532
 patrickengineering.com

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 CHECKED - JAH
 DATE - 2/18/2013

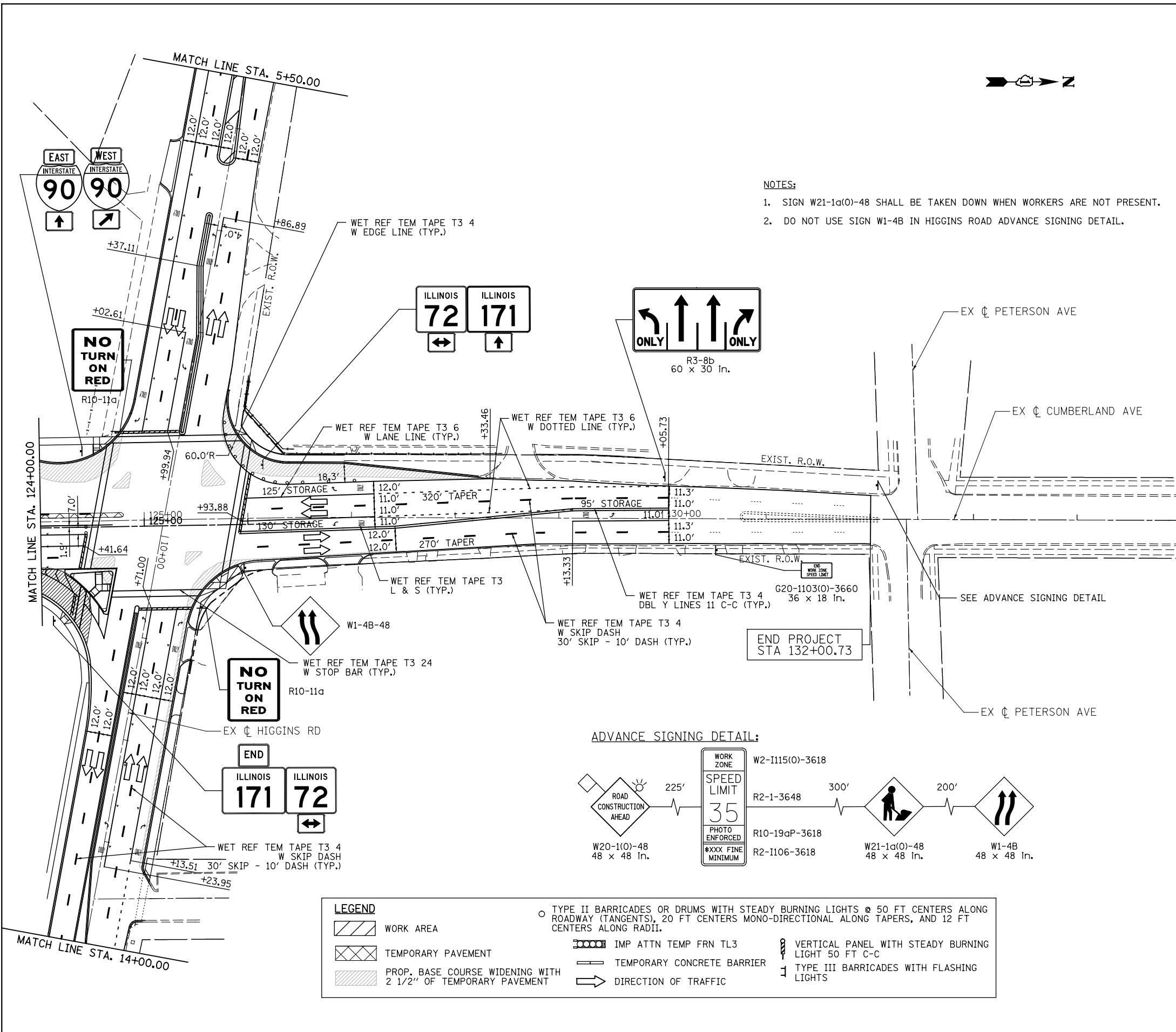
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

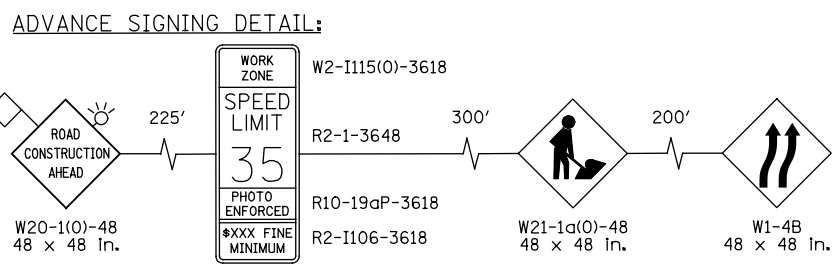
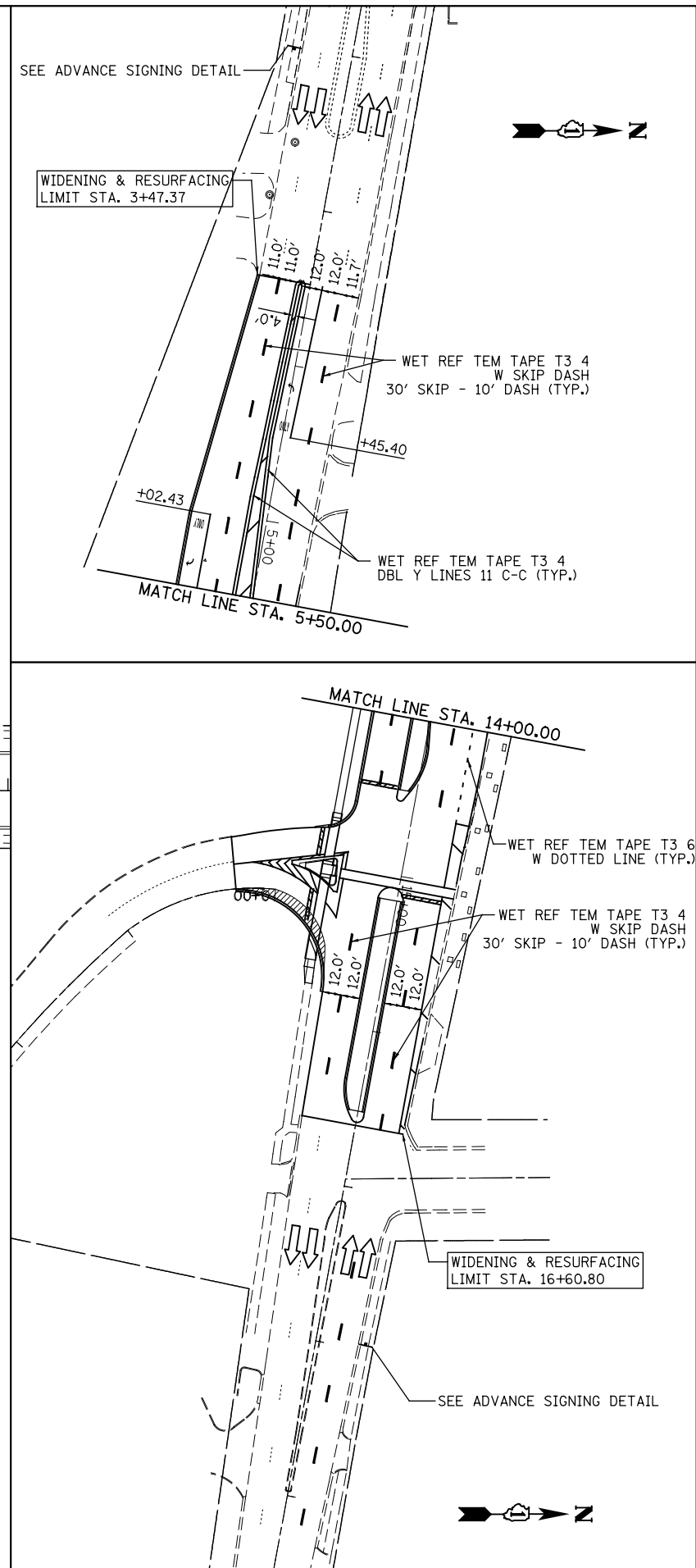
SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
STAGE 2 CUMBERLAND AVENUE
 SCALE: 1"=50' SHEET MOT-24 OF 42 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	84
				60J14
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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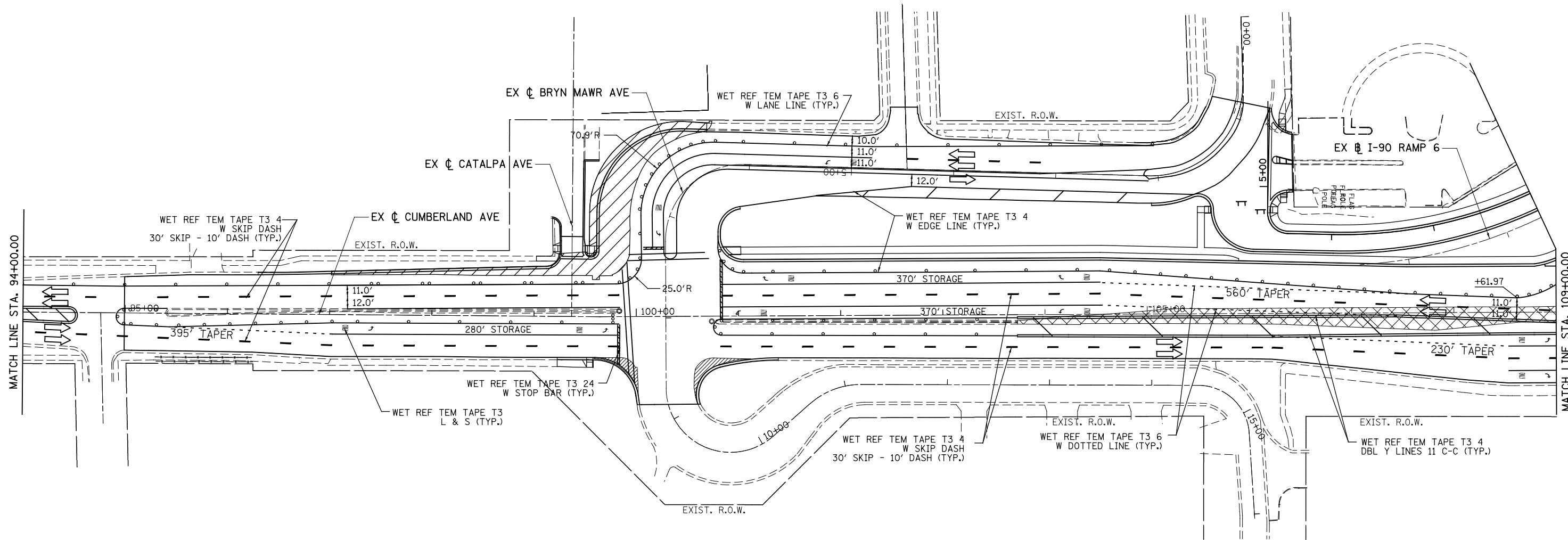
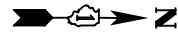


- NOTES:**
- SIGN W21-1a(0)-48 SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT.
 - DO NOT USE SIGN W1-4B IN HIGGINS ROAD ADVANCE SIGNING DETAIL.



LEGEND

	WORK AREA		TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 20 FT CENTERS MONO-DIRECTIONAL ALONG TAPERS, AND 12 FT CENTERS ALONG RADII.
	TEMPORARY PAVEMENT		IMP ATTN TEMP FRN TL3
	PROP. BASE COURSE WIDENING WITH 2 1/2" OF TEMPORARY PAVEMENT		VERTICAL PANEL WITH STEADY BURNING LIGHT 50 FT C-C
	TEMPORARY CONCRETE BARRIER		TYPE III BARRICADES WITH FLASHING LIGHTS
	DIRECTION OF TRAFFIC		



LEGEND		TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 20 FT CENTERS MONO-DIRECTIONAL ALONG TAPERS, AND 12 FT CENTERS ALONG RADII.	
	WORK AREA		IMP ATTN TEMP FRN TL3
	TEMPORARY PAVEMENT		TEMPORARY CONCRETE BARRIER
	PROP. BASE COURSE WIDENING WITH 2 1/2" OF TEMPORARY PAVEMENT		DIRECTION OF TRAFFIC
			VERTICAL PANEL WITH STEADY BURNING LIGHT 50 FT C-C
			TYPE III BARRICADES WITH FLASHING LIGHTS

PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = tkcepen(Rdwy_Lisle)	DESIGNED - CPK	REVISED -
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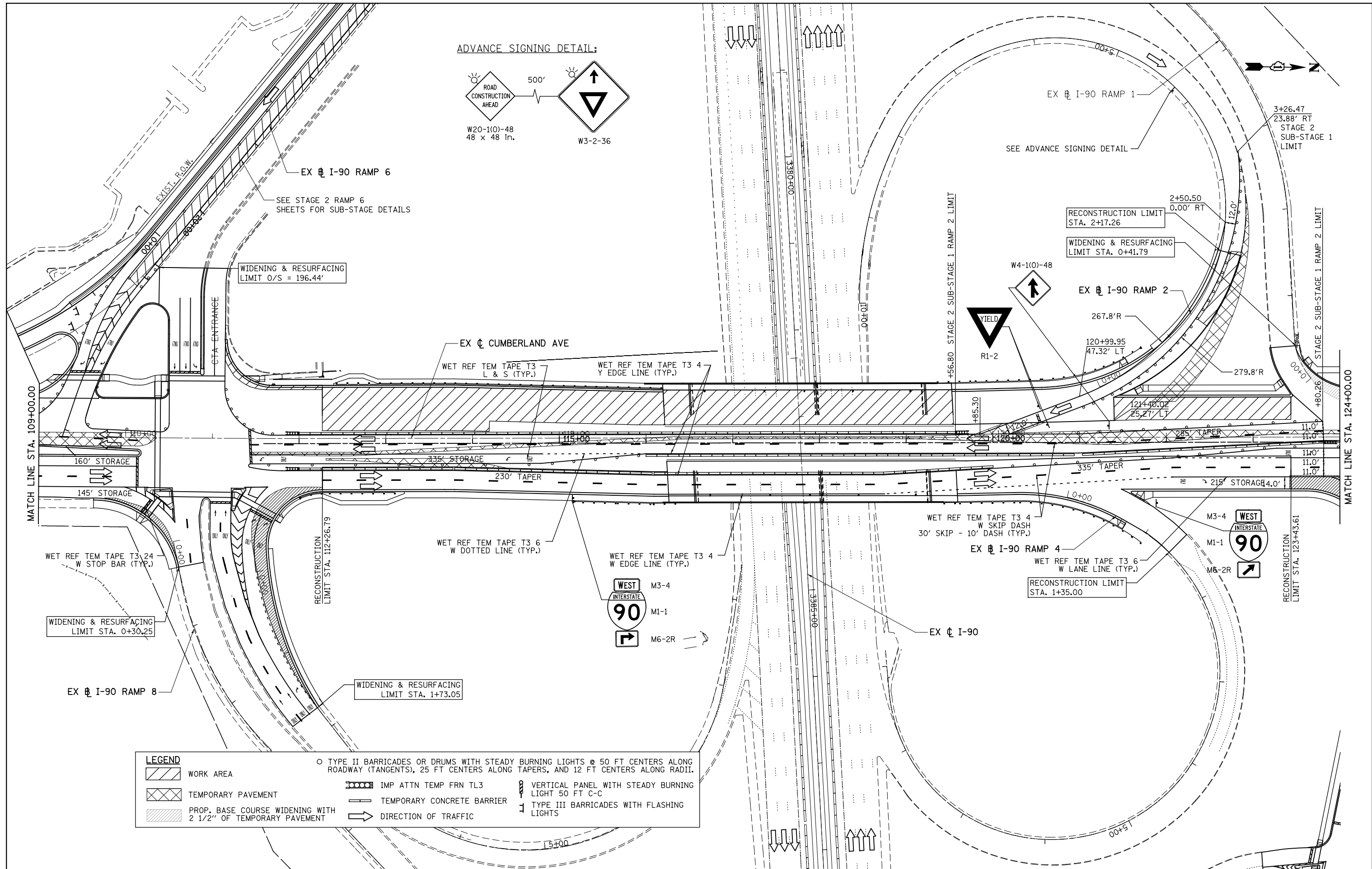
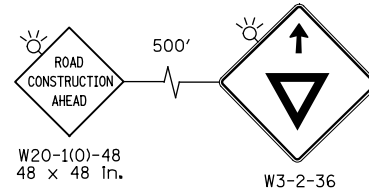
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL			
STAGE 2 SUB-STAGE 1 FOR BRYN MAWR AVE			
SCALE: 1"=50'	SHEET MOT-26 OF 42	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	86
				60J14
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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ADVANCE SIGNING DETAIL:



LEGEND	
	WORK AREA
	TEMPORARY PAVEMENT
	PROP. BASE COURSE WIDENING WITH 2 1/2" OF TEMPORARY PAVEMENT
	TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 25 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII.
	IMP ATTN TEMP FRN TL3
	TEMPORARY CONCRETE BARRIER
	DIRECTION OF TRAFFIC
	VERTICAL PANEL WITH STEADY BURNING LIGHT 50 FT C-C
	TYPE III BARRICADES WITH FLASHING LIGHTS

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4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

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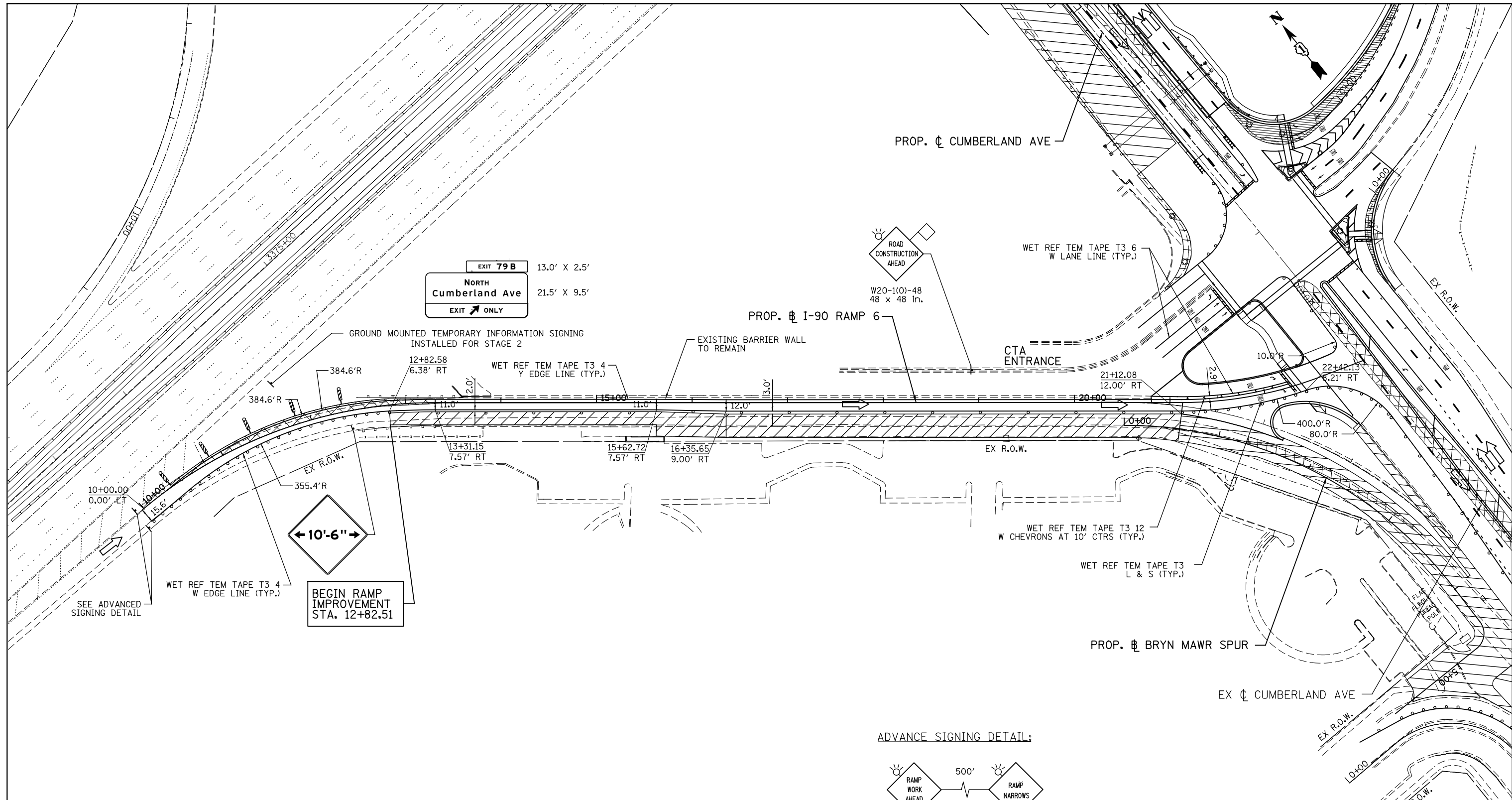
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
STAGE 2 SUB-STAGE 1 FOR I-90 RAMP 2
SCALE: 1"=50' SHEET MOT-27 OF 42 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	87
				60J14
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

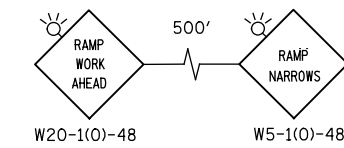
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← 10'-6" →

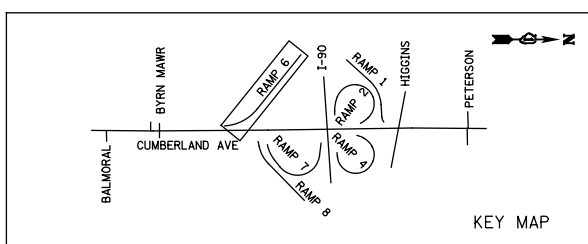
BEGIN RAMP IMPROVEMENT STA. 12+82.51

ADVANCE SIGNING DETAIL:



NOTE:
PLACE FOLLOWING SIGN AT START OF RAMP ON I-90 EASTBOUND MAINLINE.

RAMP TO IL 171 SOUTH MAX WIDTH 10'-6"



LEGEND		TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 25 FT CENTERS MONO-DIRECTIONAL ALONG TAPERS, AND 12 FT CENTERS ALONG RADIAL.	
	WORK AREA		IMP ATTN TEMP FRN TL3
	TEMPORARY PAVEMENT		TEMPORARY CONCRETE BARRIER
	PROP. BASE COURSE WIDENING WITH 2 1/2" OF TEMPORARY PAVEMENT		DIRECTION OF TRAFFIC
			VERTICAL PANEL WITH STEADY BURNING LIGHT 50 FT C-C
			TYPE III BARRICADES WITH FLASHING LIGHTS

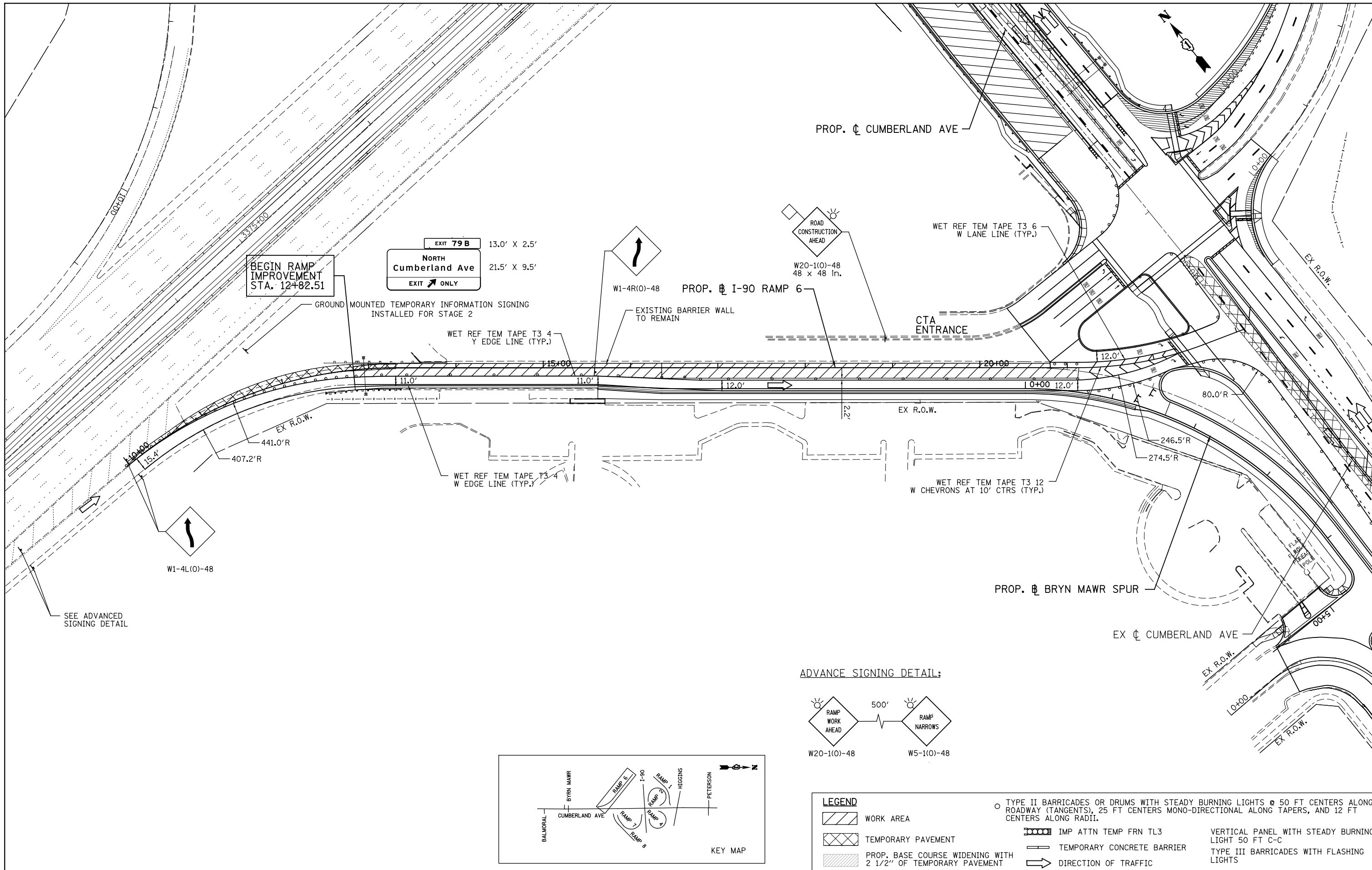
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

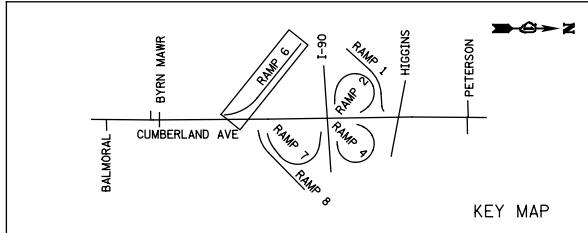
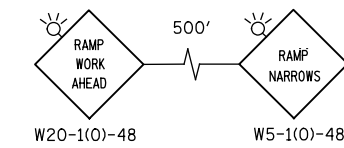
SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL			
STAGE 2 FOR I-90 RAMP 6			
SCALE: 1"=50'	SHEET MOT-28 OF 42	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	88
				60J14
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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ADVANCE SIGNING DETAIL:



- LEGEND**
- WORK AREA
 - TEMPORARY PAVEMENT
 - PROP. BASE COURSE WIDENING WITH 2 1/2" OF TEMPORARY PAVEMENT
 - TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 25 FT CENTERS MONO-DIRECTIONAL ALONG TAPERS, AND 12 FT CENTERS ALONG RADIAL.
 - IMP ATTN TEMP FRN TL3
 - TEMPORARY CONCRETE BARRIER
 - DIRECTION OF TRAFFIC
 - VERTICAL PANEL WITH STEADY BURNING LIGHT 50 FT C-C
 - TYPE III BARRICADES WITH FLASHING LIGHTS

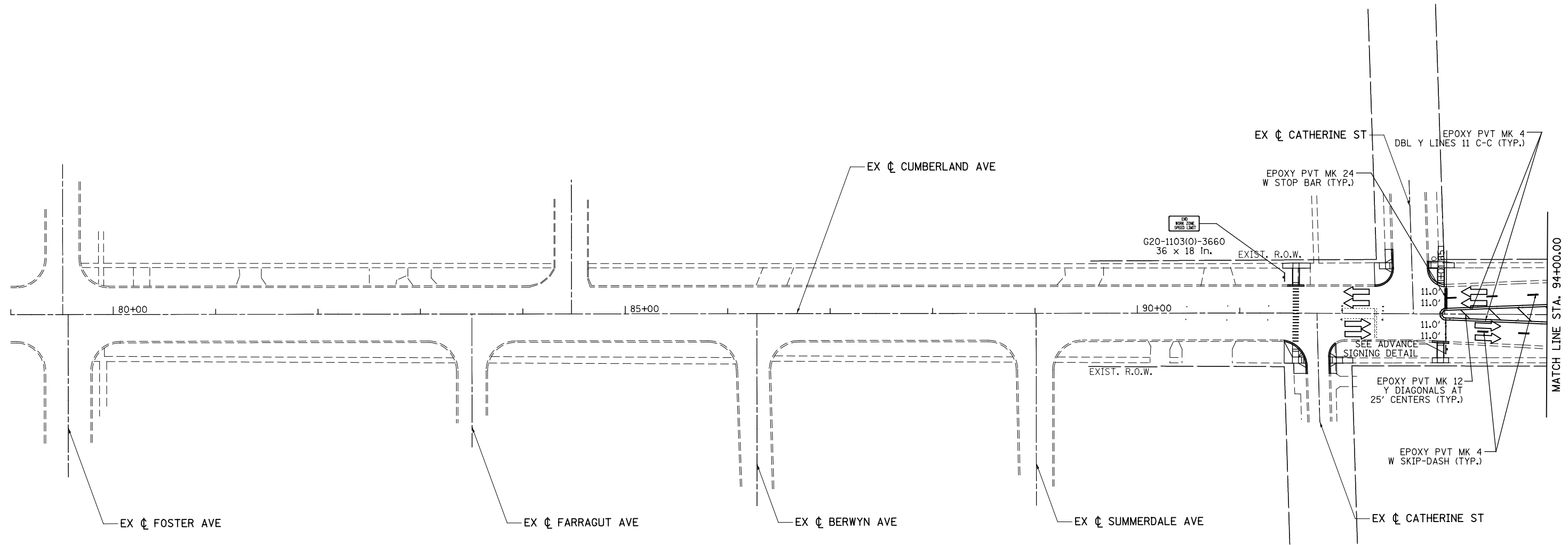
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL			
STAGE 2 SUB-STAGE 1 FOR I-90 RAMP 6			
SCALE: 1"=50'	SHEET MOT-29 OF 42	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	89
				60J14
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

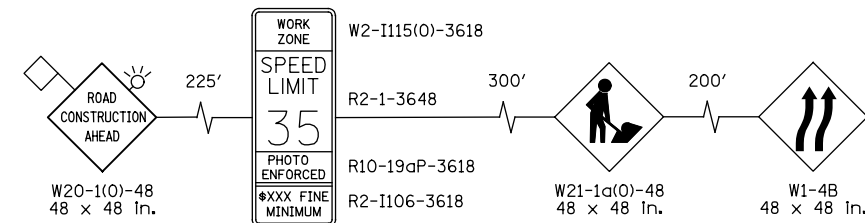
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NOTE:
SIGN W21-1a(O)-48 SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT.

LEGEND	
	WORK AREA
	TEMPORARY PAVEMENT
	PROP. BASE COURSE WIDENING WITH 2 1/2" OF TEMPORARY PAVEMENT
	TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 20 FT CENTERS MONO-DIRECTIONAL ALONG TAPERS, AND 12 FT CENTERS ALONG RADII.
	IMP ATTN TEMP FRN TL3
	TEMPORARY CONCRETE BARRIER
	DIRECTION OF TRAFFIC
	VERTICAL PANEL WITH STEADY BURNING LIGHT 50 FT C-C
	TYPE III BARRICADES WITH FLASHING LIGHTS

ADVANCE SIGNING DETAIL:



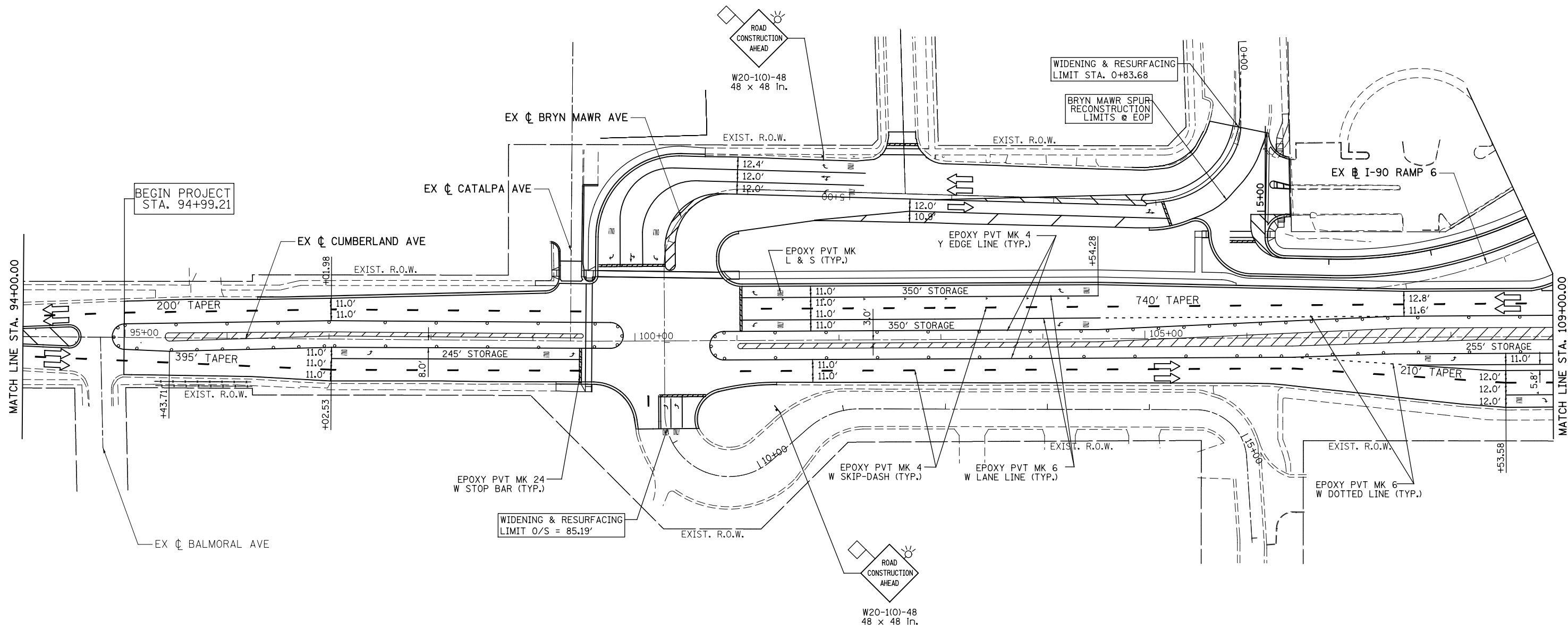
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
STAGE 3 CUMBERLAND AVENUE**

SCALE: 1"=50' SHEET MOT-30 OF 42 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	90
				60J14



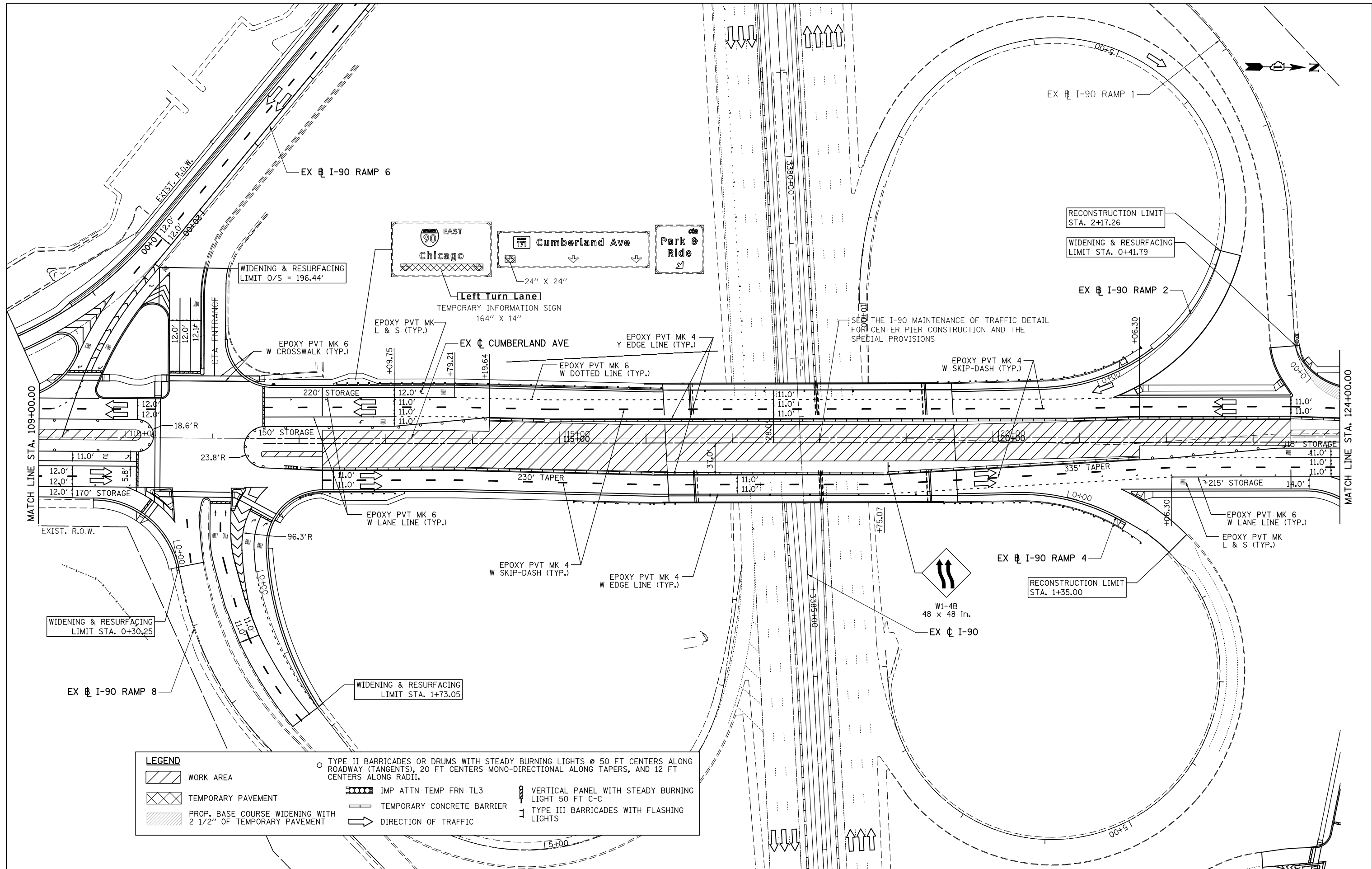
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
STAGE 3 CUMBERLAND AVENUE**

SCALE: 1"=50' SHEET MOT-31 OF 42 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	91
				60J14



LEGEND

WORK AREA	TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 20 FT CENTERS MONO-DIRECTIONAL ALONG TAPERS, AND 12 FT CENTERS ALONG RADII.
TEMPORARY PAVEMENT	IMP ATTN TEMP FRN TL3
PROP. BASE COURSE WIDENING WITH 2 1/2" OF TEMPORARY PAVEMENT	TEMPORARY CONCRETE BARRIER
	DIRECTION OF TRAFFIC
	VERTICAL PANEL WITH STEADY BURNING LIGHT 50 FT C-C
	TYPE III BARRICADES WITH FLASHING LIGHTS

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 LISLE, IL 60532
 patrickengineering.com

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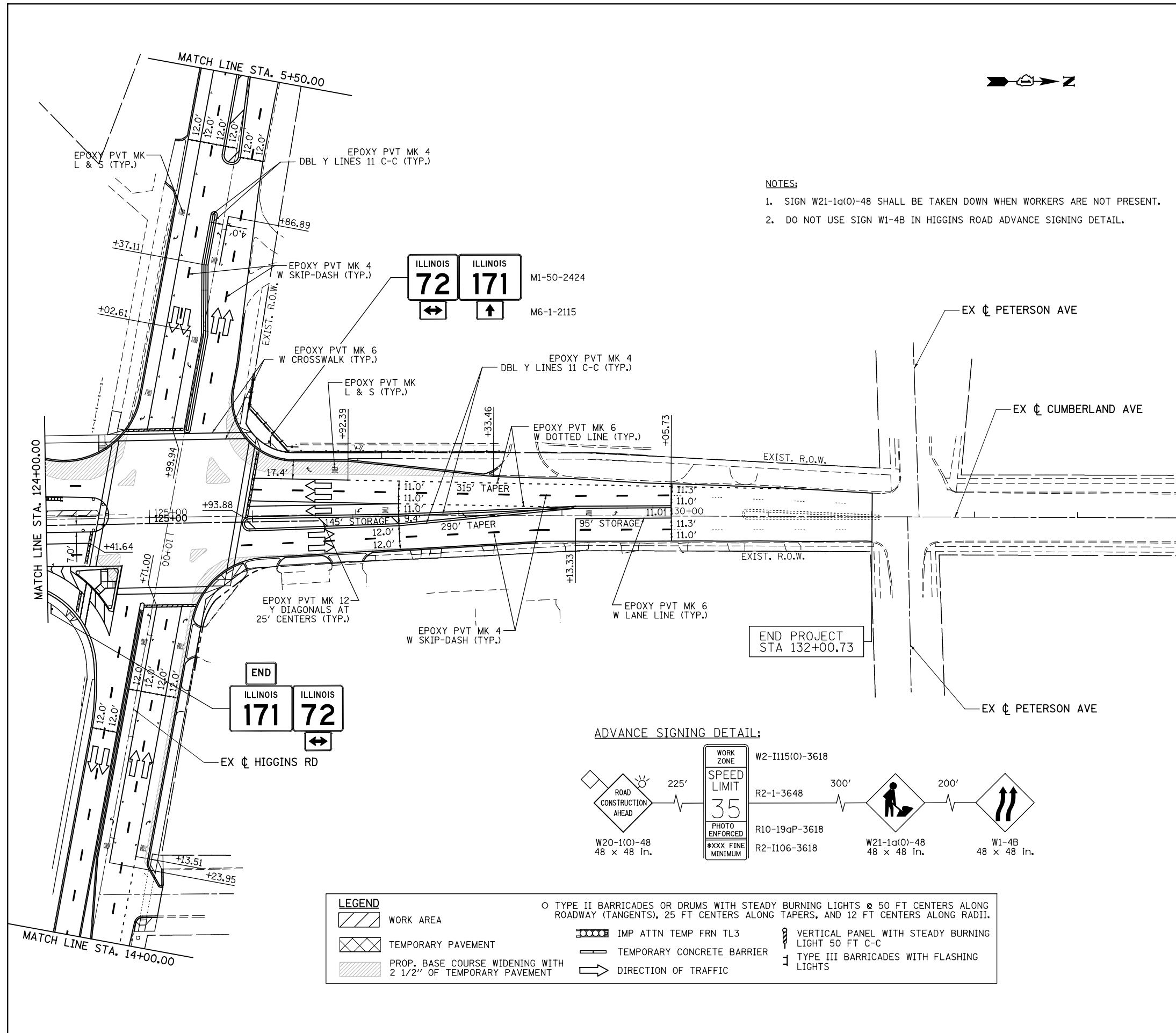
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

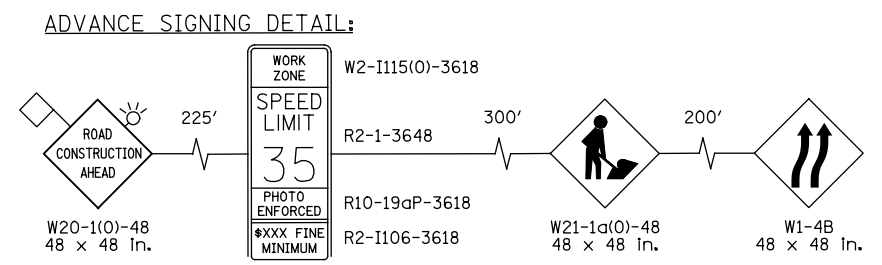
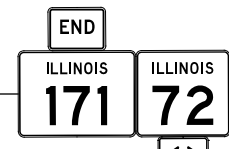
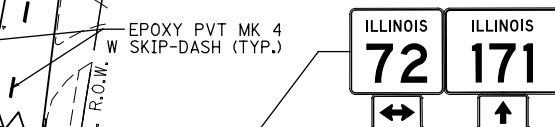
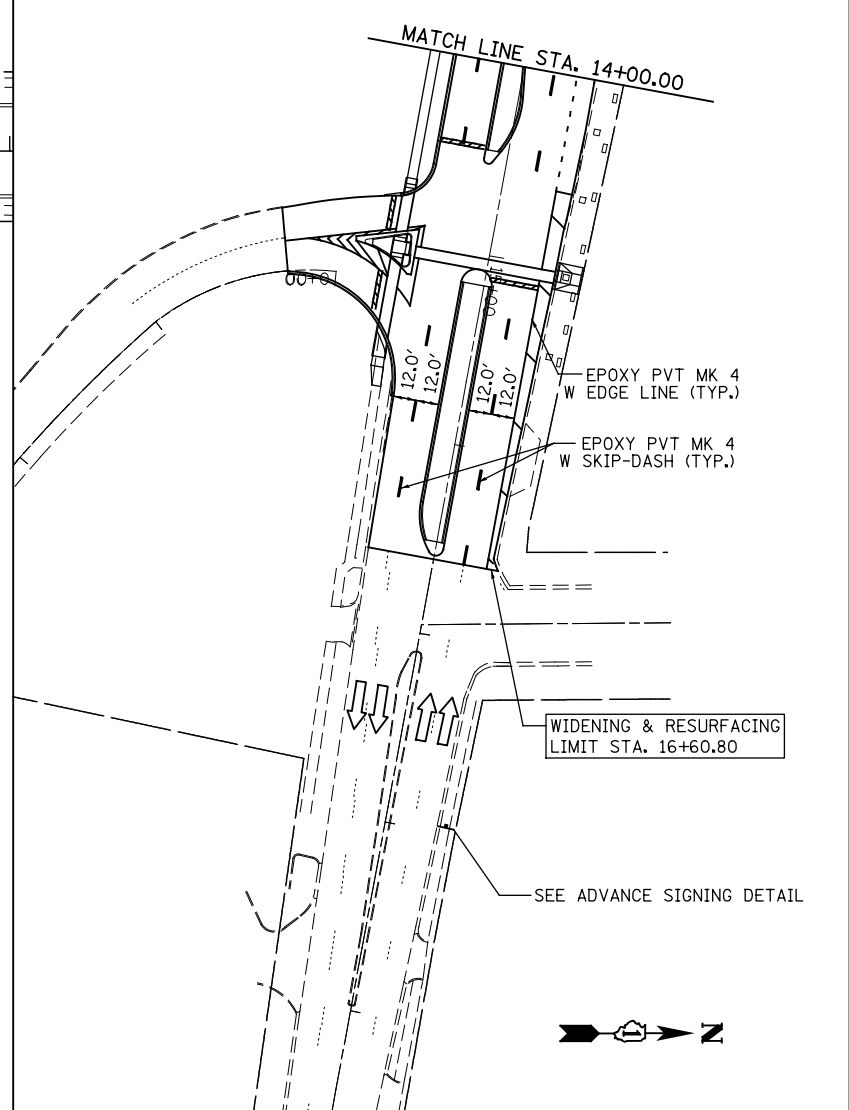
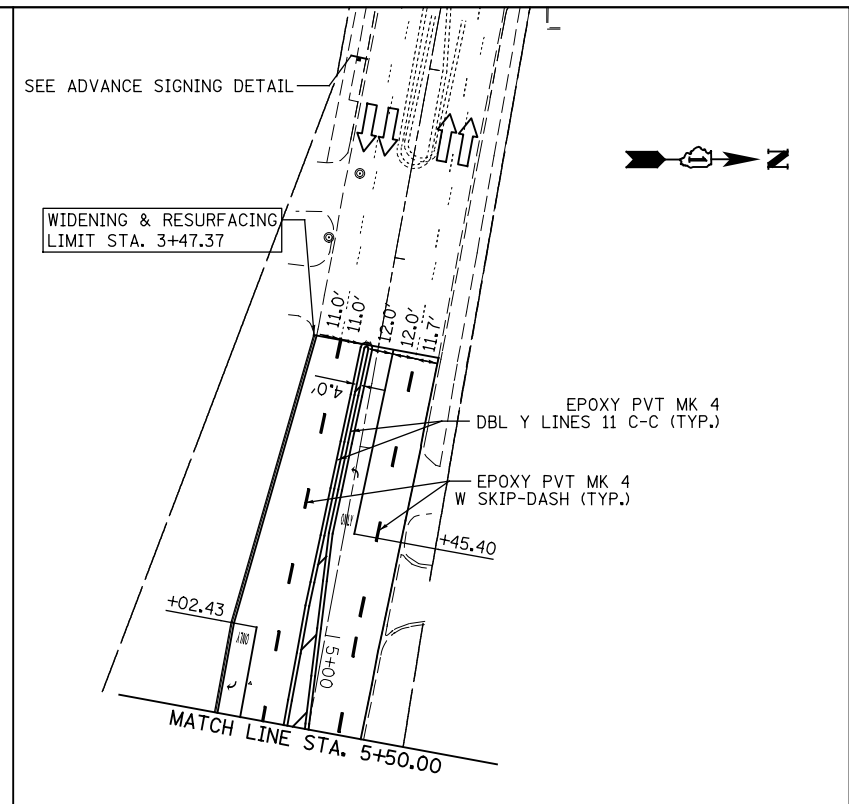
SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
STAGE 3 CUMBERLAND AVENUE
 SCALE: 1"=50' SHEET MOT-32 OF 42 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	92
				60J14
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

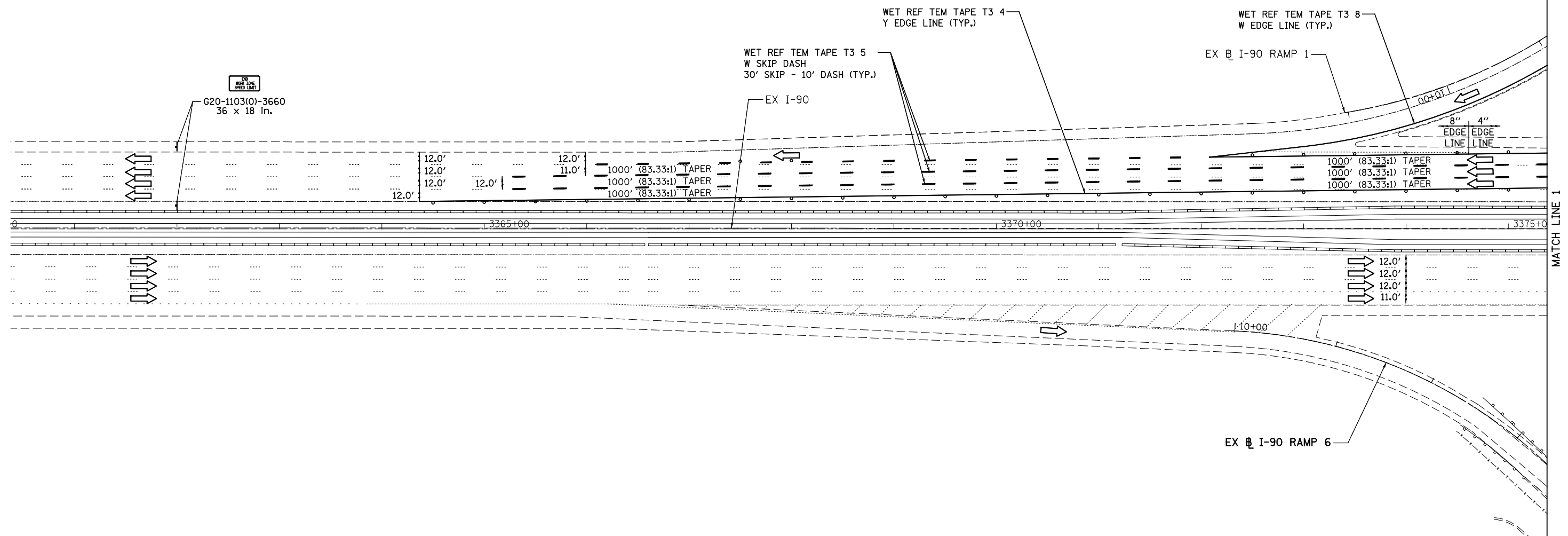
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- NOTES:**
- SIGN W21-1a(0)-48 SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT.
 - DO NOT USE SIGN W1-4B IN HIGGINS ROAD ADVANCE SIGNING DETAIL.



LEGEND		TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 25 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII.	
	WORK AREA		IMP ATTN TEMP FRN TL3
	TEMPORARY PAVEMENT		VERTICAL PANEL WITH STEADY BURNING LIGHT 50 FT C-C
	PROP. BASE COURSE WIDENING WITH 2 1/2" OF TEMPORARY PAVEMENT		TEMPORARY CONCRETE BARRIER
			DIRECTION OF TRAFFIC
			TYPE III BARRICADES WITH FLASHING LIGHTS



LEGEND		○ TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 25 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII.	
	WORK AREA		IMP ATTN TEMP FRN TL3
	TEMPORARY PAVEMENT		TEMPORARY CONCRETE BARRIER
	PROP. BASE COURSE WIDENING WITH 2 1/2" OF TEMPORARY PAVEMENT		VERTICAL PANEL @ 50 FT C-C
			DIRECTION OF TRAFFIC
			TYPE III BARRICADES WITH FLASHING LIGHTS

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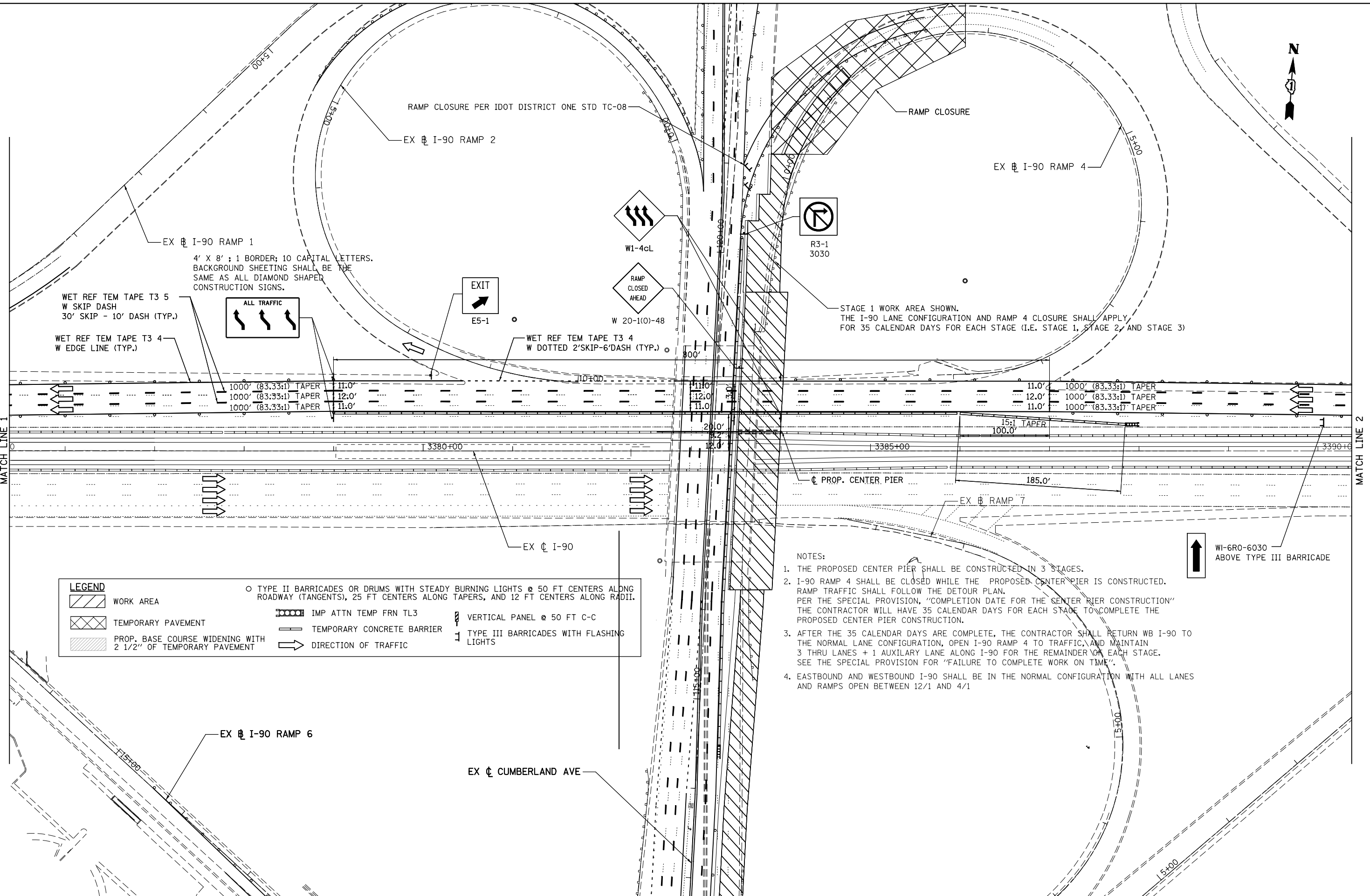
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
DETAIL FOR I-90 CENTER PIER CONSTRUCTION**

SCALE: 1"=50'	SHEET MOT-34 OF 42	STA. TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	94
				60J14
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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LEGEND	
	WORK AREA
	TEMPORARY PAVEMENT
	PROP. BASE COURSE WIDENING WITH 2 1/2" OF TEMPORARY PAVEMENT
	TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 25 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII.
	IMP ATTN TEMP FRN TL3
	TEMPORARY CONCRETE BARRIER
	DIRECTION OF TRAFFIC
	VERTICAL PANEL @ 50 FT C-C
	TYPE III BARRICADES WITH FLASHING LIGHTS

- NOTES:
1. THE PROPOSED CENTER PIER SHALL BE CONSTRUCTED IN 3 STAGES.
 2. I-90 RAMP 4 SHALL BE CLOSED WHILE THE PROPOSED CENTER PIER IS CONSTRUCTED. RAMP TRAFFIC SHALL FOLLOW THE DETOUR PLAN. PER THE SPECIAL PROVISION, "COMPLETION DATE FOR THE CENTER PIER CONSTRUCTION" THE CONTRACTOR WILL HAVE 35 CALENDAR DAYS FOR EACH STAGE TO COMPLETE THE PROPOSED CENTER PIER CONSTRUCTION.
 3. AFTER THE 35 CALENDAR DAYS ARE COMPLETE, THE CONTRACTOR SHALL RETURN WB I-90 TO THE NORMAL LANE CONFIGURATION, OPEN I-90 RAMP 4 TO TRAFFIC, AND MAINTAIN 3 THRU LANES + 1 AUXILIARY LANE ALONG I-90 FOR THE REMAINDER OF EACH STAGE. SEE THE SPECIAL PROVISION FOR "FAILURE TO COMPLETE WORK ON TIME".
 4. EASTBOUND AND WESTBOUND I-90 SHALL BE IN THE NORMAL CONFIGURATION WITH ALL LANES AND RAMPS OPEN BETWEEN 12/1 AND 4/1

USER NAME = tkoeppen(Rdwy.L1s1e)	DESIGNED - CPK	REVISED -
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PLOT SCALE = 1:1000	CHECKED - JAH	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
DETAIL FOR I-90 CENTER PIER CONSTRUCTION**

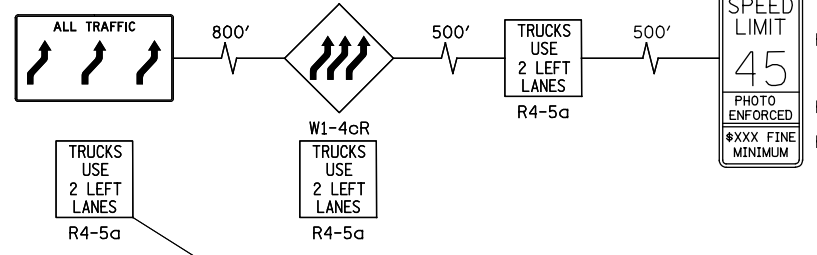
SCALE: 1"=50' SHEET MOT-35 OF 42 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	95
				60J14
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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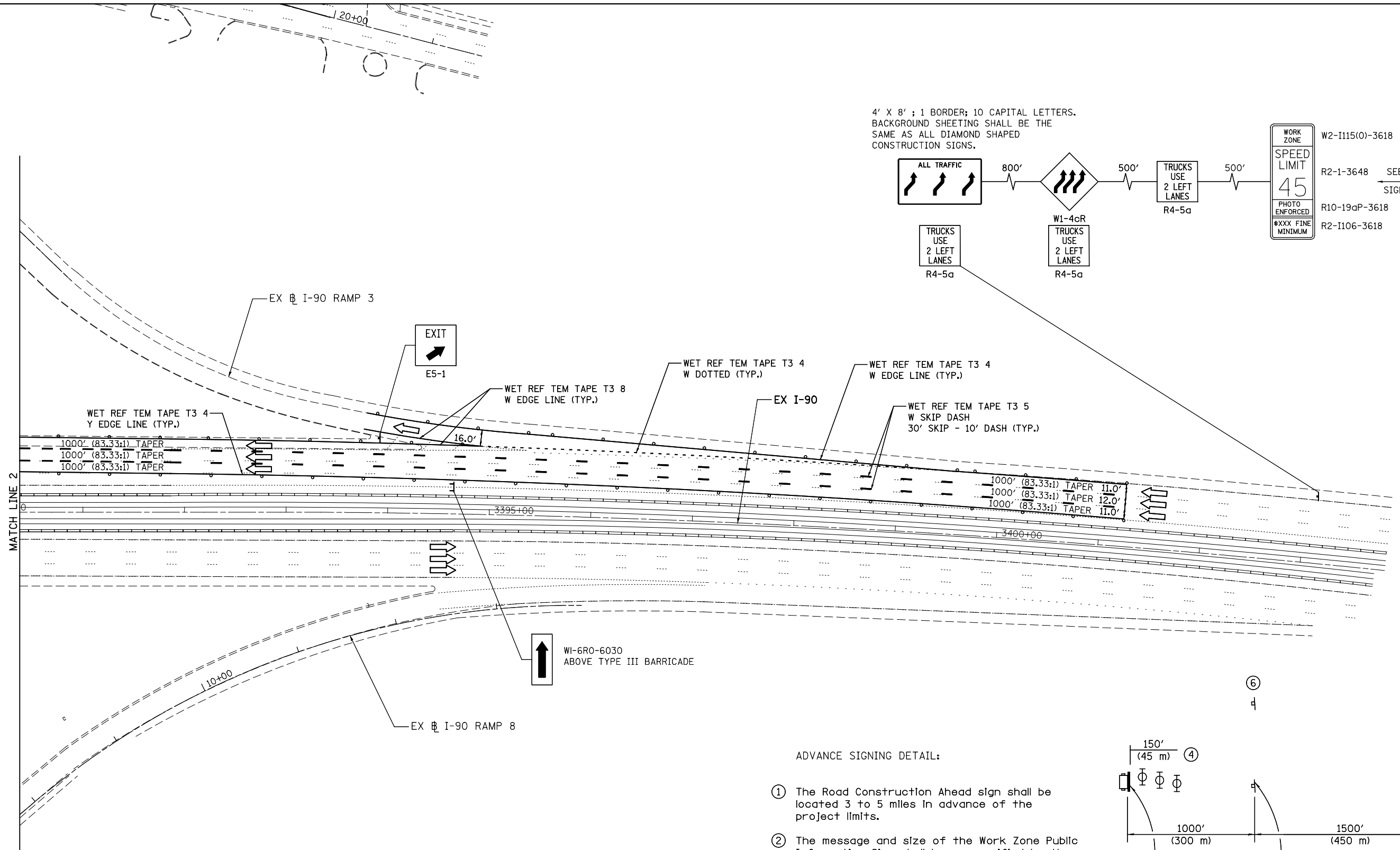


4' X 8' ; 1 BORDER; 10 CAPITAL LETTERS.
BACKGROUND SHEETING SHALL BE THE
SAME AS ALL DIAMOND SHAPED
CONSTRUCTION SIGNS.



WORK ZONE
SPEED LIMIT
45
PHOTO ENFORCED
XXX FINE MINIMUM

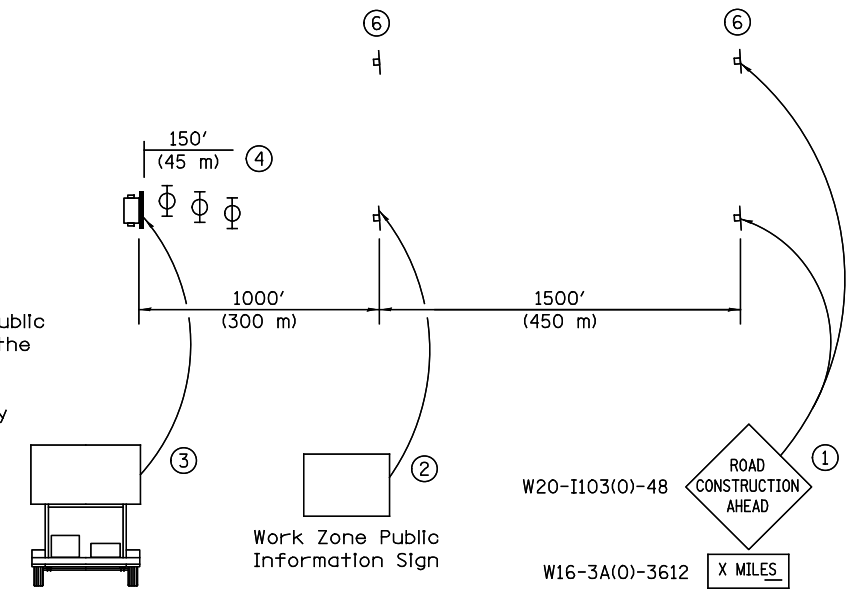
W2-I115(O)-3618
R2-1-3648 SEE ADVANCED
SIGNING DETAIL
R10-19aP-3618
R2-I106-3618



LEGEND	
	WORK AREA
	TEMPORARY PAVEMENT
	PROP. BASE COURSE WIDENING WITH 2 1/2" OF TEMPORARY PAVEMENT
	TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 25 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII.
	IMP ATTN TEMP FRN TL3
	TEMPORARY CONCRETE BARRIER
	DIRECTION OF TRAFFIC
	VERTICAL PANEL @ 50 FT C-C
	TYPE III BARRICADES WITH FLASHING LIGHTS

ADVANCE SIGNING DETAIL:

- The Road Construction Ahead sign shall be located 3 to 5 miles in advance of the project limits.
- The message and size of the Work Zone Public Information Sign shall be as specified by the Department.
- The message board shall be used to display status of lanes within the project. The primary messages shall be:
"All Lanes Open"



USER NAME = tkceppen(Rdwy_L1s1e)	DESIGNED - CPK	REVISED -
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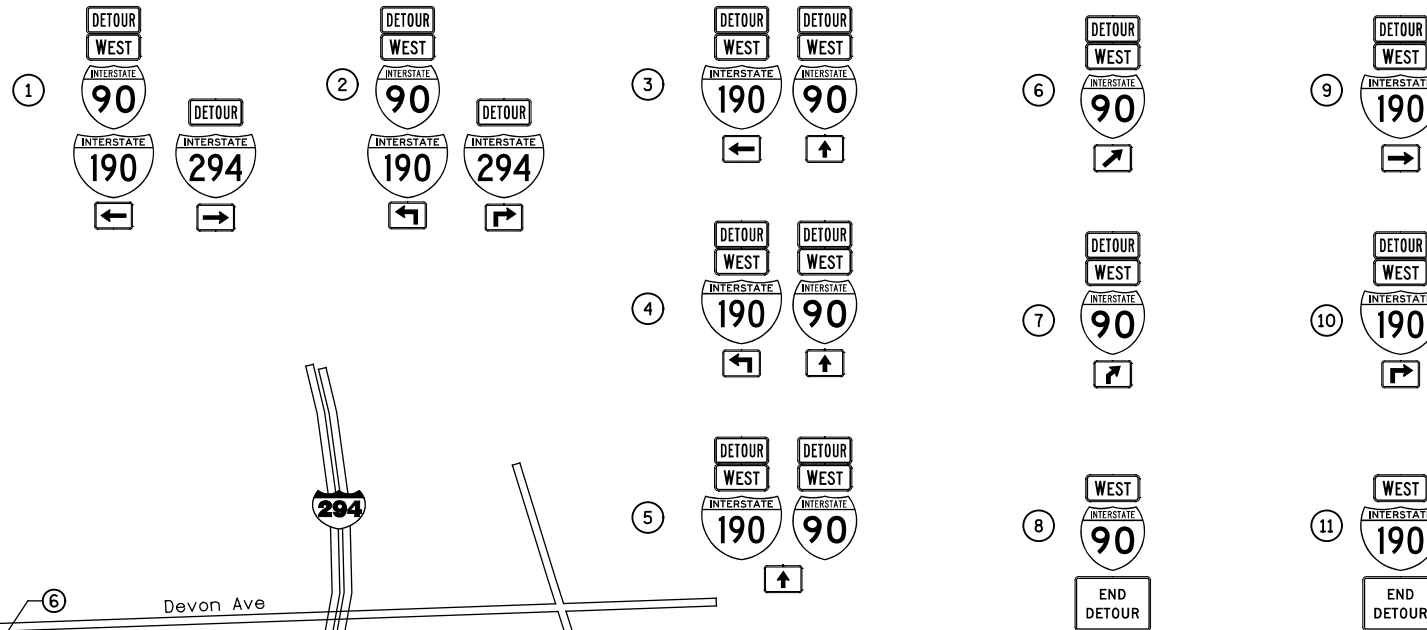
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
DETAIL FOR I-90 CENTER PIER CONSTRUCTION

SCALE: 1"=50' SHEET M0T-36 OF 42

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	96
				60J14
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SIGN ASSEMBLIES

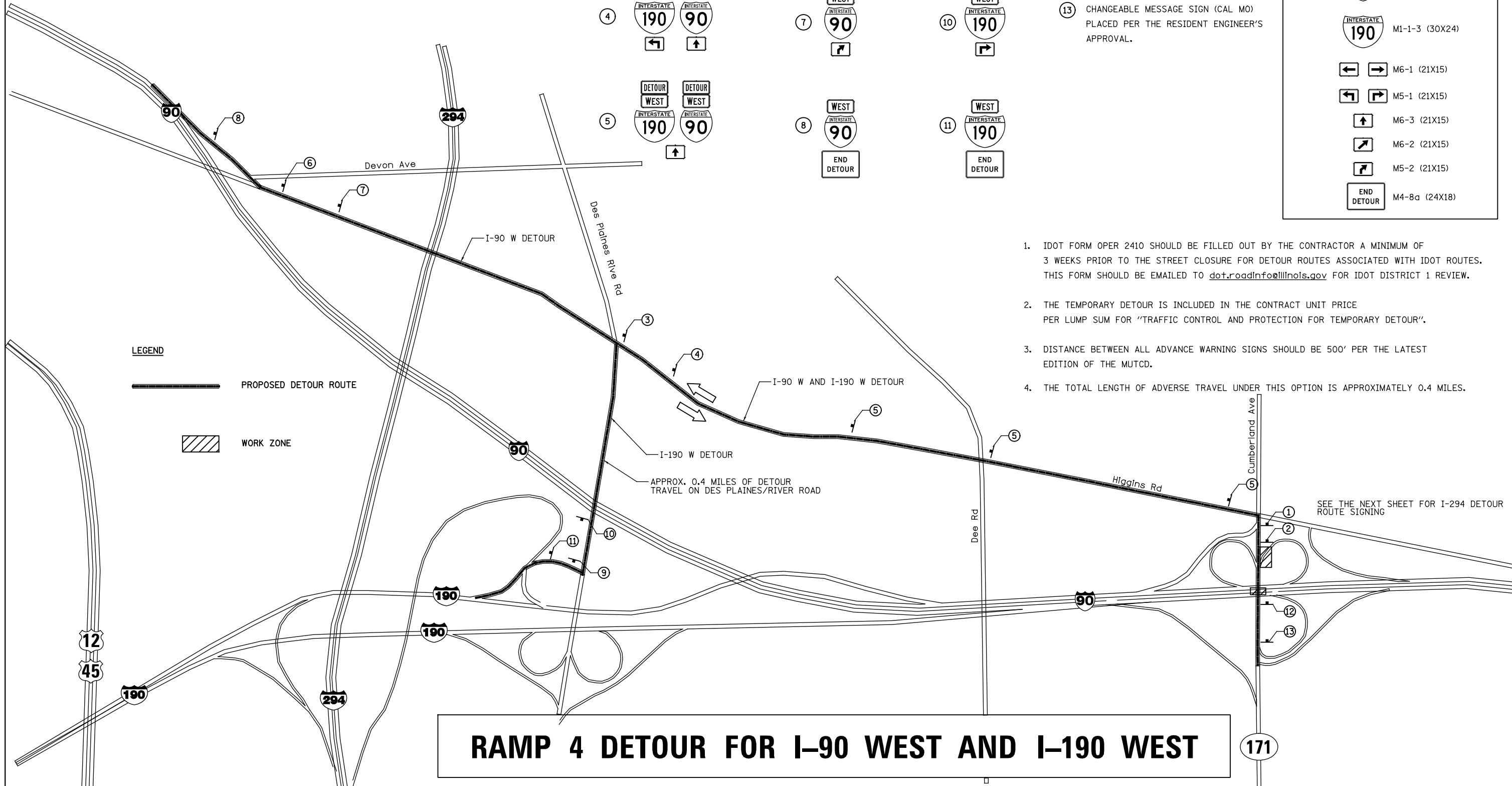
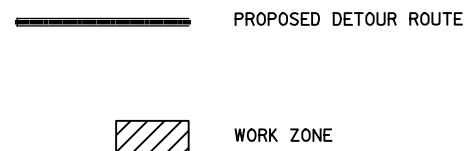


DETOUR SIGNS TYPE & SIZE
ALL SIGN COLORS SHALL BE ACCORDING TO THE LATEST EDITION OF THE MUTCD

	M4-8 (24X12)
	M3-4 (24X12)
	M1-1-2 (24X24)
	M1-1-3 (30X24)
	M6-1 (21X15)
	M6-1 (21X15)
	M5-1 (21X15)
	M5-1 (21X15)
	M6-3 (21X15)
	M6-2 (21X15)
	M5-2 (21X15)
	M4-8a (24X18)

1. IDOT FORM OPER 2410 SHOULD BE FILLED OUT BY THE CONTRACTOR A MINIMUM OF 3 WEEKS PRIOR TO THE STREET CLOSURE FOR DETOUR ROUTES ASSOCIATED WITH IDOT ROUTES. THIS FORM SHOULD BE EMAILED TO dot.roadinfo@illinois.gov FOR IDOT DISTRICT 1 REVIEW.
2. THE TEMPORARY DETOUR IS INCLUDED IN THE CONTRACT UNIT PRICE PER LUMP SUM FOR "TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR".
3. DISTANCE BETWEEN ALL ADVANCE WARNING SIGNS SHOULD BE 500' PER THE LATEST EDITION OF THE MUTCD.
4. THE TOTAL LENGTH OF ADVERSE TRAVEL UNDER THIS OPTION IS APPROXIMATELY 0.4 MILES.

LEGEND



SEE THE NEXT SHEET FOR I-294 DETOUR ROUTE SIGNING

RAMP 4 DETOUR FOR I-90 WEST AND I-190 WEST

PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = tkoeppen(Rdwy_Lisle)	DESIGNED - CPK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL RAMP 4 DETOUR FOR I-90 AND I-190			F.A.U. RTE. = 2746	SECTION = 1616B	COUNTY = COOK	TOTAL SHEETS = 404	SHEET NO. = 97
	PLOT CONFIG = PDF(Grey_Small).plt	DRAWN - CPK	CHECKED - JAH		REVISED -	SCALE: NA	SHEET = MOT-37 OF 42	STA. =	TO STA. =	FED. ROAD DIST. NO. =	ILLINOIS FED. AID PROJECT =	60J14
PLOT SCALE = 1:1000	CHECKED - JAH	DATE = 2/18/2013	REVISED -	G:\IDOT\21050_006_CumberlandAve\Drawings\CADD_Sheets\160J14-4ht-staging_04_04_Detour.dgn								
PLOT DATE = 2/18/2013 7:12:58 PM	DATE = 2/18/2013	REVISED -										

1. IDOT FORM OPER 2410 SHOULD BE FILLED OUT BY THE CONTRACTOR A MINIMUM OF 3 WEEKS PRIOR TO THE STREET CLOSURE FOR DETOUR ROUTES ASSOCIATED WITH IDOT ROUTES. THIS FORM SHOULD BE EMAILED TO dot.roadinfo@illinois.gov FOR IDOT DISTRICT 1 REVIEW.
2. THE TEMPORARY DETOUR IS INCLUDED IN THE CONTRACT UNIT PRICE PER LUMP SUM FOR "TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR".
3. DISTANCE BETWEEN ALL ADVANCE WARNING SIGNS SHOULD BE 500' PER THE LATEST EDITION OF THE MUTCD.
4. THE TOTAL LENGTH OF ADVERSE TRAVEL UNDER THIS OPTION IS APPROXIMATELY 1.9 MILES.

APPROX. 1.63 MILES OF DETOUR TRAVEL ON W HIGGINS RD

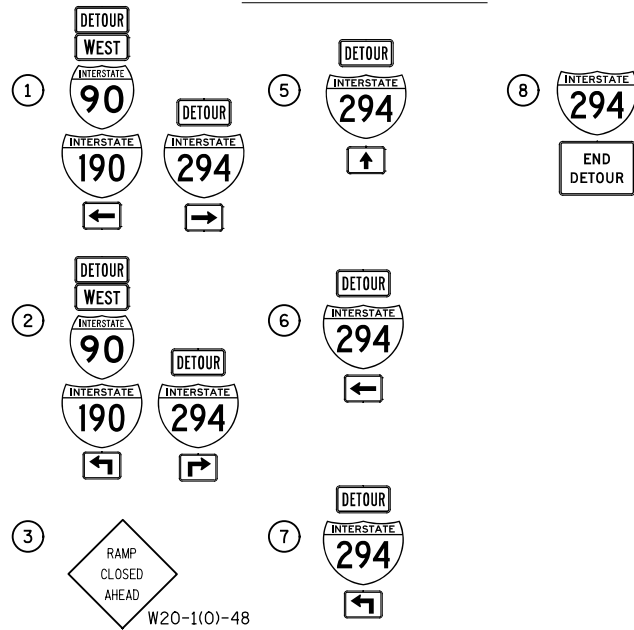
APPROX. 0.12 MILES OF DETOUR TRAVEL ON HARLEM AVE

LEGEND

- PROPOSED DETOUR ROUTE I-294
- ▨ WORK ZONE

RAMP 4 DETOUR FOR I-294 NORTH AND SOUTH

SIGN ASSEMBLIES

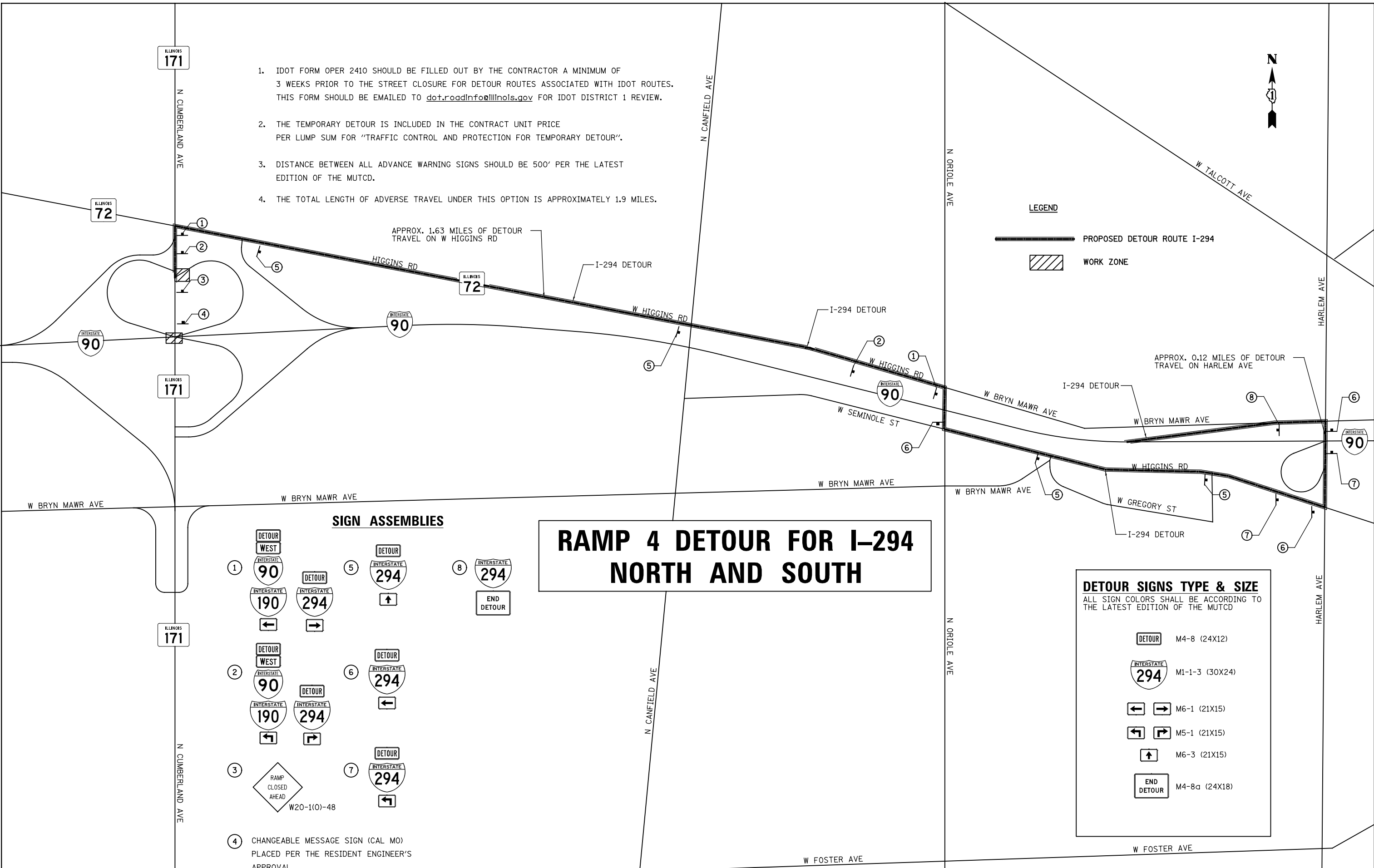


4 CHANGEABLE MESSAGE SIGN (CAL MO) PLACED PER THE RESIDENT ENGINEER'S APPROVAL.

DETOUR SIGNS TYPE & SIZE

ALL SIGN COLORS SHALL BE ACCORDING TO THE LATEST EDITION OF THE MUTCD

- DETOUR M4-8 (24X12)
- INTERSTATE 294 M1-1-3 (30X24)
- ← → M6-1 (21X15)
- ↙ ↘ M5-1 (21X15)
- ↑ M6-3 (21X15)
- END DETOUR M4-8a (24X18)



	PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = tkceppen(Rdwy_Lisle) PLOT CONFIG = PDF(Grey_Small).plt PLOT SCALE = 1:1000 PLOT DATE = 2/18/2013 7:12:59 PM	DESIGNED - CPK DRAWN - CPK CHECKED - JAH DATE - 2/18/2013	REVISED - REVISED - REVISED - REVISED -
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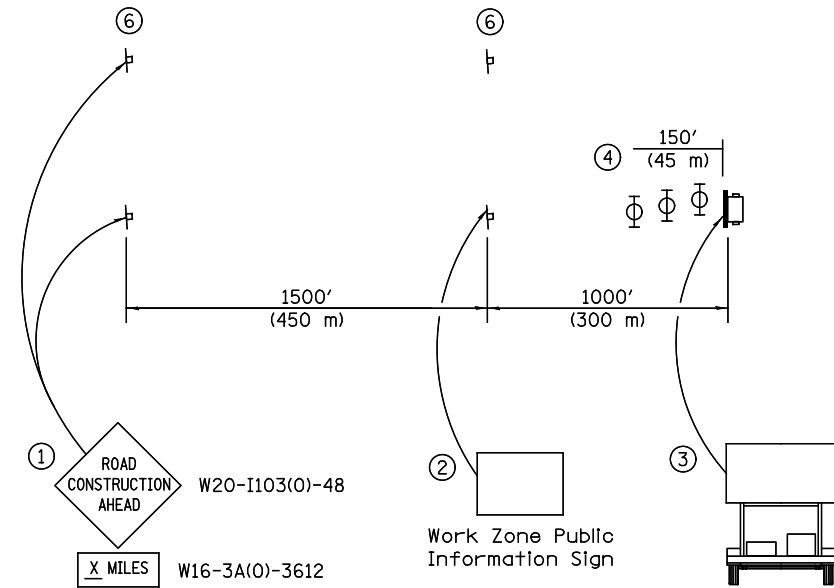
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
RAMP 4 DETOUR FOR I-294**

SCALE: NA SHEET MOT-38 OF 42 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	98
				60J14

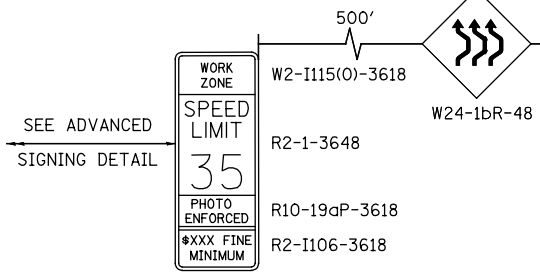
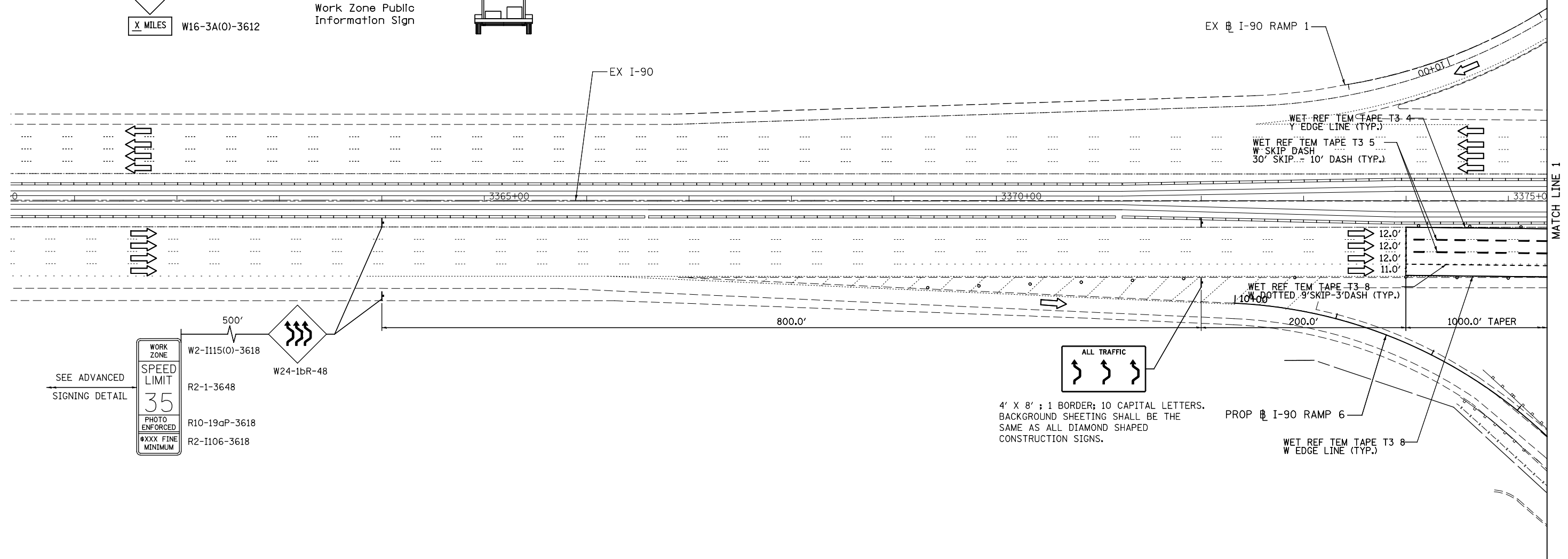
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



ADVANCE SIGNING DETAIL:

- 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:
 - "All Lanes Open"

"All Lanes Open"



LEGEND	
	WORK AREA
	TEMPORARY PAVEMENT
	PROP. BASE COURSE WIDENING WITH 2 1/2" OF TEMPORARY PAVEMENT
	TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 25 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII.
	IMP ATTN TEMP FRN TL3
	TEMPORARY CONCRETE BARRIER
	DIRECTION OF TRAFFIC
	VERTICAL PANEL @ 50 FT C-C
	TYPE III BARRICADES WITH FLASHING LIGHTS

USER NAME = tkceppen(Rdwy_L1s1e)	DESIGNED - CPK	REVISED -
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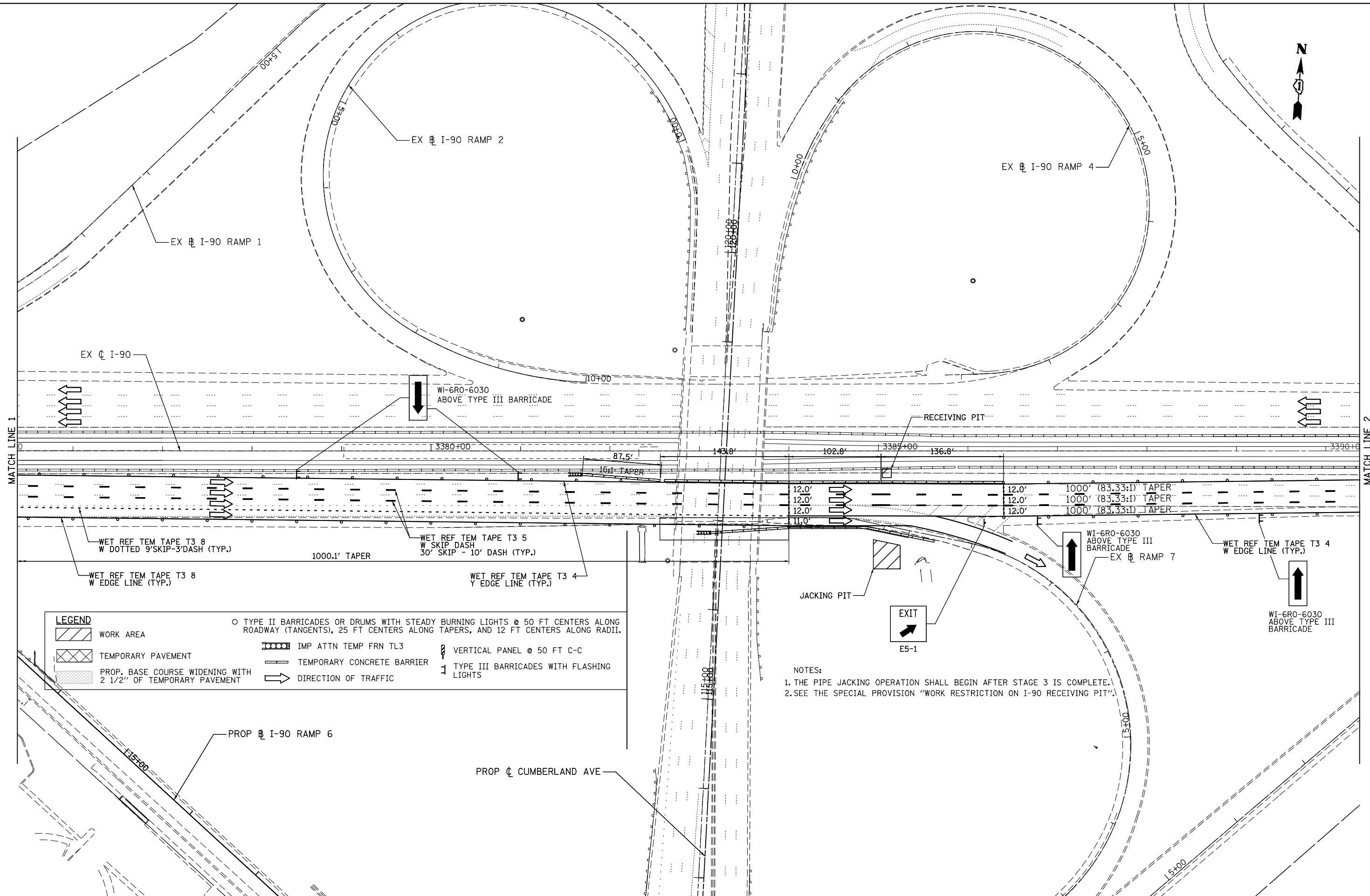
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
DETAIL FOR I-90 PIPE JACKING OPERATIONS

SCALE: 1"=50' SHEET MOT-39 OF 42 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	99
				60J14
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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LEGEND	
	WORK AREA
	TEMPORARY PAVEMENT
	PROP. BASE COURSE WIDENING WITH 2 1/2" OF TEMPORARY PAVEMENT
	TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY (TANGENTS), 25 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII.
	IMP ATTN TEMP FRN TL3
	VERTICAL PANEL @ 50 FT C-C
	TEMPORARY CONCRETE BARRIER
	DIRECTION OF TRAFFIC
	TYPE III BARRICADES WITH FLASHING LIGHTS

NOTES:
 1. THE PIPE JACKING OPERATION SHALL BEGIN AFTER STAGE 3 IS COMPLETE.
 2. SEE THE SPECIAL PROVISION "WORK RESTRICTION ON I-90 RECEIVING PIT".

USER NAME = tkoeppen(Rdwy.L1s1e)	DESIGNED - CPK	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
DETAIL FOR I-90 PIPE JACKING OPERATIONS**

SCALE: 1"=50' SHEET MOT-40 OF 42

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	1616B	COOK	404	100
				60J14
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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