

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE PROJECT IS LOCATED  
IN THE CITY OF CHICAGO

**TRAFFIC DATA**

ADT (2006) = 139,000  
WB ADT = 73,670  
EB ADT = 65,330

ADT (2026) = 172,000  
WB ADT = 91,150  
EB ADT = 80,850

POSTED SPEED = EB 35 MPH, WB 45 MPH

**PROJECT DESCRIPTION**

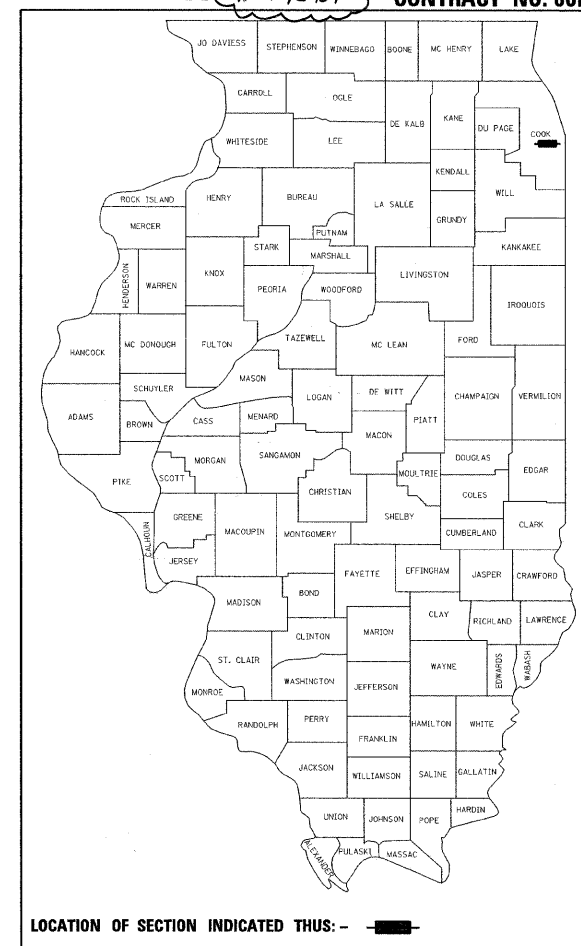
THE EXISTING STRUCTURE (S.N. 016-2445) IS A DUAL DOUBLE-LEAF, TRUNNION TYPE BASCULE BRIDGE, CARRYING THE EASTBOUND AND WESTBOUND TRAFFIC OF CONGRESS PARKWAY OVER THE SOUTH BRANCH OF THE CHICAGO RIVER. THE PROPOSED WORK CONSISTS OF THE REMOVAL AND REPLACEMENT OF THE EXISTING OPEN STEEL GRID DECK WITH AN ORTHOTROPIC CLOSED DECK SYSTEM, INCLUDING THE REMOVAL AND REPLACEMENT OF THE EXISTING REINFORCED CONCRETE DECK AND SIDEWALKS ON APPROACH SPANS. OTHER WORK INCLUDES FLOOR BEAM AND TRUSS REPAIRS, ALUMINUM BARRIER, REMOVE AND REPLACE CENTER BREAK AND REAR BREAKS, BRIDGE HOUSE REHABILITATION, CLEAN AND PAINT EXISTING STRUCTURE. ON THE ADJACENT STRUCTURE (S.N. #016-0460) REPAIR GIRDER K AND PROVIDE GUARDRAIL ALONG THE OUTSIDE EDGES OF PAVEMENT/TURN-OUTS. MECHANICAL IMPROVEMENTS INCLUDE REMOVAL OF ALL TIE SHAFT MACHINERY, REPLACE CENTER LOCK MACHINERY, REPLACE MACHINERY BRAKES, REPLACE BARRIER GATES AND TRAFFIC GATES. THE ELECTRICAL SCOPE WILL INCLUDE MAIN DRIVE MOTOR REPLACEMENT, REPLACE CONTROL SYSTEM, PROVIDE PLC CONTROL SYSTEM, REPLACE FACILITY LIGHTING, REPLACE POWER DISTRIBUTION PANELS AND SWITCHGEAR, REPLACE CABLE AND CONDUIT ROUTING, TRAFFIC SIGNALS AND PROVIDE EMERGENCY POWER.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**PROPOSED  
HIGHWAY PLANS**

F.A.P. ROUTE 389 (CONGRESS PARKWAY)  
CONGRESS PARKWAY BRIDGE REHABILITATION  
OVER THE SOUTH BRANCH OF THE CHICAGO RIVER  
SECTION 2424.2B-R  
COOK COUNTY  
C-91-073-08  
PROJECT NO.: *BHF-0389(004)*

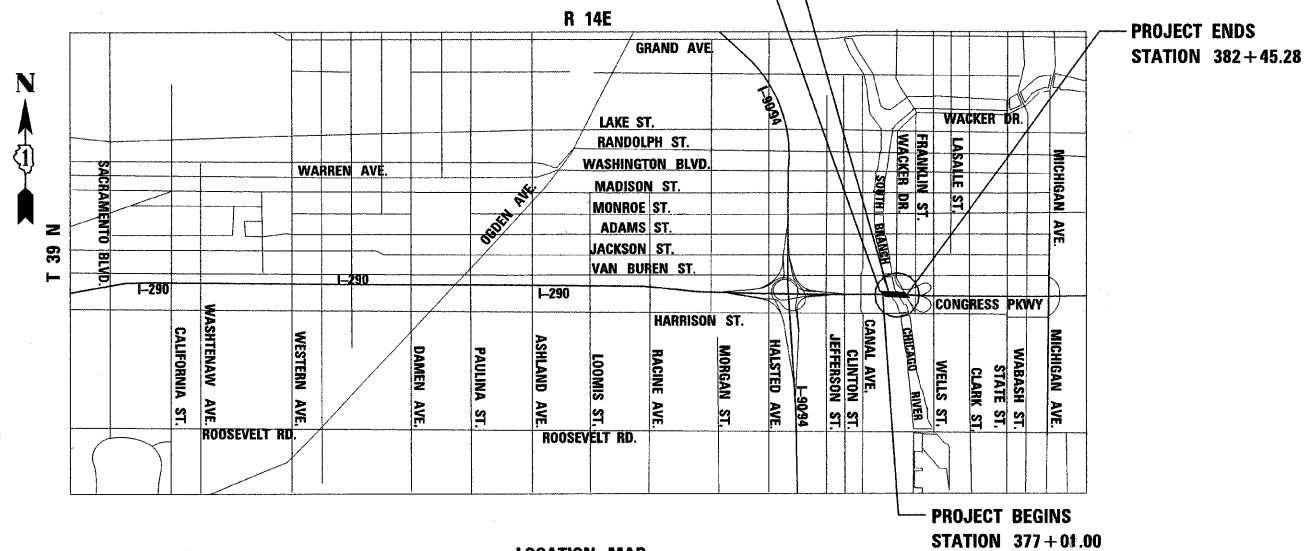
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424.2B-R	COOK	398	1
FED. ROAD DIST. NO. 1		ILLINOIS	* 398 + 2 = 400	

*\* +4=404*  
D-91-073-08  
CONTRACT NO. 60D61



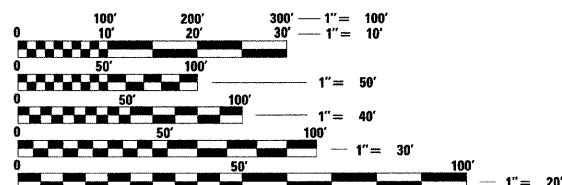
LOCATION OF SECTION INDICATED THIS: - [shaded box]

CONGRESS PARKWAY BRIDGE OVER THE SOUTH BRANCH OF THE CHICAGO RIVER (SN 016-2445)  
CONGRESS PARKWAY BETWEEN CHICAGO RIVER AND POST OFFICE (SN 016-0460)



LOCATION MAP  
SCALE: 1 IN = 2000 FT

TOTAL GROSS AND NET LENGTH OF PROJECT = 543.28 FT = .103 MI



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.

C.U.A.N.  
DIGGER - CHICAGO UTILITY ALERT NETWORK  
1-312-744-7000

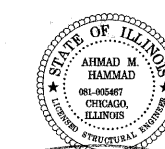
PROJECT ENGINEER: STELIOS NADALIS, PE  
PROJECT MANAGER: AHMAD HAMMAD, PE, SE  
CONTRACT NO. 60D61

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED *APR 30, 2009*  
*Diana M. O'Keefe*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

*June 26, 2009*  
*Charles J. Ingersoll*  
ENGINEER OF DESIGN AND ENVIRONMENT

*June 26, 2009*  
*Christine M. Reed*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER



STELIOS NADALIS, P.E.  
LICENSE NO. 062-042340  
EXPIRES: November 30, 2009  
DATE: *4-26-09*

AHMAD M. HAMMAD, S.E., P.E.  
LICENSE NO.: 081-005467  
EXPIRES: November 30, 2010  
DATE: *4-28-09*

**PB Americas, Inc.**  
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*Rev. 7*

DESIGN - CONSULTANT SERVICES, DISTRICT ONE - BRIAN KUTTAB/PROJECT MANAGER 847-705-4431

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- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-04 TEMPORARY EROSION CONTROL SYSTEMS
- 509001-01 TUBULAR THRIE BEAM RETROFIT RAIL FOR BRIDGES
- 515001-03 NAME PLATES FOR BRIDGES
- 606001-04 CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
- 630301-05 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
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- 638001-02 GLARE SCREEN BLADES
- 664001-02 CHAIN LINK FENCE
- 701400-03 APPROACH TO LANE CLOSURE FREEWAY/EXPRESSWAY
- 701401-05 LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701411-05 LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS >45 MPH
- 701446-01 TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701426-03 MULTI-LANE, INTERMITTENT OR MOVING OPERATION
- 701606-06 URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701901-01 TRAFFIC CONTROL DEVICES
- 704001-05 TEMPORARY CONCRETE BARRIER
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-02 SIGN PANEL ERECTION DETAILS
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- 728001-01 SIGN SUPPORT, TELESCOPING STEEL
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- 731001-01 SIGN SUPPORT, TELESCOPING STEEL BASE
- 877001-04 STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
- 880006-01 TRAFFIC SIGNAL MOUNTING DETAILS - POST AND BRACKET MOUNTED

Rev. 7-15-09

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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER**  
**INDEX OF SHEETS AND STATE STANDARDS**

SCALE: NONE | SHEET NO. 2 OF 83 SHEETS | STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-28-R	COOK	398	2
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60D61	

## GENERAL NOTES

1. ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON THE CHICAGO CITY DATUM. THE CONVERSION EQUATION FROM CCD TO NAVD 88 IS: NAVD 88 ELEVATION=CCD + 579.19.
2. ALL DIMENSIONS SHOWN ON THE PLANS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
3. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
4. THE CONTRACTOR SHALL VERIFY THE STRUCTURE DECK ELEVATIONS IN THE PLANS WHERE THE FIXED SPANS OF THE BASCULE BRIDGE MEET THE ADJACENT EXISTING BRIDGES AS WELL AS THE MOVABLE BRIDGE AND VERIFY ELEVATION CORRELATIONS TO THE ENGINEER PRIOR TO DECK REMOVAL AND DECK REPLACEMENT. THIS WORK SHALL BE INCLUDED IN THE COST FOR CONSTRUCTION LAYOUT.
5. SAW CUTTING OR MEDIAN REMOVAL (GRINDING) WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF THE ADJACENT REMOVAL ITEM.
6. THE CONTRACTOR SHALL EXERCISE DUE CARE AND COORDINATE CONSTRUCTION ACTIVITIES WITH THE RESPECTIVE UTILITIES BEFORE STARTING ANY EXCAVATION/REMOVAL. THE CONTRACTOR SHALL CALL THE CHICAGO UTILITY ALERT NETWORK (C.U.A.N.) AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRICAL, TELEPHONE, CABLE, AND GAS FACILITIES (48 HOURS NOTIFICATION IS REQUIRED). THE CONTRACTOR SHALL CONTACT THE CITY OF CHICAGO DEPARTMENT OF WATER MANAGEMENT AT (312) 747-7893 AND MWRD AT (312) 751-5600 FOR WATER AND SEWER LOCATIONS.
7. THE CHICAGO TRANSIT AUTHORITY HAS EXISTING AND/OR ABANDONED FACILITIES IN THE AREA. SUCH FACILITIES MAY INCLUDE ELEVATED RAIL TRACKS, SUBWAYS, UNDERGROUND DUCT LINES, AND/OR FORMER STREETCAR TRACKS. COPIES OF DRAWINGS WILL BE SUBMITTED TO THE OUC OFFICE. CAUTION SHOULD BE EXERCISED WHEN EXCAVATING NEAR STREETCAR TRACKS. MEMBERS OF THE CHICAGO AREA JOINT ELECTROLYSIS COMMITTEE MAY USE STREETCAR TRACKS AND NEGATIVE CABLE. PLEASE CONTACT MR. YOUSEF TABIB OF COMED BEFORE CUTTING OR REMOVING ANY BURIED STREETCAR RAILS. HE MAY BE REACHED AT (630) 576-6952. THE CONTRACTOR SHALL ALSO COORDINATE WITH MR. DAVID HEARD AT 312-681-3862 FOR TRANSIT TUNNELS AND ADJACENT APPURTENANCES.
8. SHOULD ARTIFICIAL LIGHTING BE USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC, MARINE TRAFFIC ON THE RIVER, AND ADJOINING COMMERCIAL AND RESIDENTIAL AREAS.
9. THE CONTRACTOR SHALL NOT BE ALLOWED TO SET UP A YARD, STAGING AREA OR FIELD OFFICE ON STATE OR CITY PROPERTY WITHOUT WRITTEN PERMISSION FROM IDOT OR THE CITY OF CHICAGO.
10. LOCAL ROADS, DRIVEWAYS AND PROPERTY ACCESS DRIVES ADJACENT TO CONGRESS PARKWAY (S. TILDEN STREET, WACKER DRIVE) MUST REMAIN OPEN TO TRAFFIC AT ALL TIMES DURING CONSTRUCTION. SHOULD A TEMPORARY CLOSURE BE NECESSARY, THE CONTRACTOR SHALL NOTIFY THE STATE AND THE AFFECTED PROPERTY OWNER TWENTY-FOUR (24) HOURS IN ADVANCE OF SUCH CLOSURE. CONSTRUCTION ACTIVITIES SHALL BE EXPEDITED AND ACCESS RESTORED WITHIN AN ADEQUATE TIME FRAME AS DIRECTED BY THE ENGINEER.
11. ANY ELECTRICAL SYSTEMS OR UNITS DAMAGED DURING CONSTRUCTION, BUT NOT INCLUDED IN THE CONTRACT FOR REPLACEMENT OR REHABILITATION SHALL BE REPAIRED OR REPLACED AT THE CONTRACTORS EXPENSE TO THE SATISFACTION OF THE ENGINEER.
12. THE CONTRACTOR SHALL BE REQUIRED TO OBTAIN ALL APPLICABLE CITY PERMITS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT INCLUDED IN THE COST OF THE CONTRACT.
13. EXISTING BRIDGE DECK, PAVEMENT, SIDEWALKS, EMBANKMENT, DRAINAGE SYSTEM COMPONENTS, GUARDRAILS OR HIGHWAY APPURTENANCES DAMAGED DURING CONSTRUCTION, BUT NOT SHOWN TO BE REMOVED ON THE PLANS, SHALL BE REPLACED OR REPAIRED AT THE CONTRACTOR'S EXPENSE. THIS WORK SHALL MEET WITH THE APPROVAL OF THE ENGINEER.
14. DURING CONSTRUCTION, EMERGENCY VEHICLE ACCESS WILL BE MAINTAINED TO THE EXPRESSWAY, RAMPS, ADJACENT SIDE ROADS AND THE SOUTH BRANCH OF THE CHICAGO RIVER. IN ADDITION RAMPS TEMPORARILY CLOSED DURING THE STAGING OF THE PROJECT (I-90/94, WACKER DRIVE AND FRANKLIN STREET) WILL REMAIN ACCESSIBLE TO EMERGENCY VEHICLES AT ALL TIMES. THIS WORK WILL NOT BE PAID SEPARATELY, BUT INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION (EXPRESSWAY).
15. AN ESTIMATED DECK SLAB REPAIR (PARTIAL) QUANTITY HAS BEEN INCLUDED IN THE CONTRACT TO ACCOMMODATE THE MAINTENANCE OF THE BRIDGE DECKS WITHIN THE TRAFFIC CONTROL PLAN LIMITS WHICH MAY SHOW SIGNS OF DETERIORATION. THE ENGINEER WILL DETERMINE ANY AREAS TO BE PATCHED AND THE WORK SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER. THIS WORK INCLUDES SAW CUTTING, PARTIAL DEPTH DECK REMOVAL AND REPAIR AND WILL BE PAID AT THE CONTRACT UNIT PRICE FOR PER SQUARE YARD FOR DECK SLAB REPAIR (PARTIAL).
16. TWO WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS THE CONTRACTOR SHALL CONTACT IDOT AREA TRAFFIC FIELD ENGINEER DON CHIARUGI AT 847 741-9857.
17. THE ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470, IDOT COMMUNICATIONS CENTER AND ILLINOIS EMERGENCY PATROL, 72 HOURS PRIOR TO PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.
18. THE CONTRACTOR SHALL SECURE THE END OF THE EXISTING BRIDGE EXPANSION JOINT TO THE DECK LEVEL AT THE AREA OF MEDIAN REMOVAL AT APPROXIMATE STA. 383+90. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR CONCRETE MEDIAN REMOVAL AND SHALL BE PERFORMED TO THE SATISFACTION OF THE ENGINEER. AT THE COMPLETION OF THE PROJECT THE CONTRACTOR SHALL UNSECURE THE JOINT TO ORIGINAL CONDITION. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR CONCRETE MEDIAN (SPECIAL) AND SHALL BE PERFORMED TO THE SATISFACTION OF THE ENGINEER.
19. THE CONTRACTOR SHALL VERIFY THE PRESENCE/LOCATION OF CONDUIT IN THE SIDEWALK ON STRUCTURE SN 016-460 AND SN 016-0458 AND EXERCISE DUE CARE DURING THE INSTALLATION OF GUARDRAIL, TRAFFIC SIGNALS, TRAFFIC GATES AND BARRIER GATES. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE COST OF THE VARIOUS ITEMS LISTED.

☐ INCIDENTAL ITEMS

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
GENERAL NOTES**

SCALE: NONE | SHEET NO. 3 OF 83 SHEETS | STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	3
<b>CONTRACT NO. 60D61</b>				
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				

PROJECT: FAP 389 - CONGRESS PARKWAY OVER SOUTH BRANCH OF CHICAGO RIVER - CONTRACT NO. 60D61 COOK COUNTY

X075-2A

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	ROADWAY	ROADWAY LIGHTING	80% FED	80% FED	80% FED
				80% FED 20% STATE 1000	80% FED 20% STATE Y030-1E	20% STATE	20% STATE	20% STATE
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	9	9				
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	61	61				
20101100	TREE TRUNK PROTECTION	EACH	6	6				
20200100	EARTH EXCAVATION	CU YD	50	50				
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	75	75				
20400800	FURNISHED EXCAVATION	CU YD	140	140				
20700220	POROUS GRANULAR EMBANKMENT	CU YD	4			4		
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	70	70				
21101685	TOPSOIL FURNISH AND PLACE, 24"	SQ YD	100	100				
25000115	SEEDING, CLASS 1B	ACRE	0.22	0.22				
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	20	20				
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	20	20				
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	20	20				
25002300	TEMPORARY SEEDING	ACRE	0.30	0.30				
25100105	MULCH, METHOD 1	ACRE	0.30	0.30				
25200200	SUPPLEMENTAL WATERING	UNIT	5	5				
28000400	PERIMETER EROSION BARRIER	FOOT	305	305				
28000510	INLET FILTERS	EACH	22	22				
28100101	STONE RIPRAP, CLASS A1	SQ YD	9	9				
28200200	FILTER FABRIC	SQ YD	16	16				
31101400	SUB-BASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	334	334				
31101810	SUB-BASE GRANULAR MATERIAL, TYPE B 12"	SQ YD	52	52				
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	280	280				
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	0.3	0.3				
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	31.0	31.0				
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	55	55				
44001500	BRIDGE SIDEWALK REMOVAL	SQ FT	3,878			3,878		
48101100	AGGREGATE SHOULDERS, TYPEA 12"	SQ YD	144	144				
50104800	REMOVAL OF EXISTING CONCRETE DECK	L SUM	1			1		
50157300	PROTECTIVE SHIELD	SQ YD	1,707			1,707		
50200100	STRUCTURE EXCAVATION	CU YD	5.5			5.5		
50300225	CONCRETE STRUCTURES	CU YD	15.5	13.8		1.7		
50300255	CONCRETE SUPERSTRUCTURE	CU YD	508			508		
50300260	BRIDGE DECK GROOVING	SQ YD	988			988		
50300300	PROTECTIVE COAT	SQ YD	2,231	720		1,511		
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1			1		

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
SUMMARY OF QUANTITIES**

SCALE: NONE SHEET NO. 4 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE. 389	SECTION 2424-2B-R	COUNTY COOK	TOTAL SHEETS 398	SHEET NO. 4
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PROJECT: FAP 389 - CONGRESS PARKWAY OVER SOUTH BRANCH OF CHICAGO RIVER - CONTRACT NO. 60D61 COOK COUNTY

X075-2A

CODE NO.	ITEM	UNIT	SUMMARY OF QUANTITIES					
			URBAN TOTAL QUANTITY	ROADWAY 80% FED 20% STATE I000-2A	ROADWAY LIGHTING 80% FED 20% STATE Y03D-HE	CONSTRUCTION TYPE CODE		
						80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
50500505	STUD SHEAR CONNECTORS	EACH	6302			6302		
50501120	STRUCTURAL STEEL REMOVAL	L SUM	1			1		
50501130	STRUCTURAL STEEL REPAIR	POUND	137,850			137,850		
50600300	CLEANING AND PAINTING STEEL BRIDGE	L SUM	1			1		
50600400	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES	L SUM	1			1		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	87,600	1,400		86,200		
50800600	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES	L SUM	1			1		
50900200	STEEL RAILING, TYPE 2399	FOOT	161			161		
50900500	ALUMINUM RAILING	FOOT	553			553		
50901705	TUBULAR THRIE BEAM RETROFIT RAIL FOR BRIDGES	FOOT	150	150				
51500100	NAME PLATES	EACH	2			2		
52000110	PREFORMED JOINT STRIP SEAL	FOOT	129			129		
58000100	MEMBRANE WATERPROOFING	SQ FT	1,946			1,946		
59000200	EPOXY CRACK INJECTION	FOOT	144			144		
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	308	308				
60623714	CONCRETE MEDIAN (SPECIAL)	SQ FT	1,451	1,451				
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1				
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1				
* 63100215	TRAFFIC BARRIER TERMINAL, TYPE 6 (SPECIAL)	EACH	1	1				
63200310	GUARDRAIL REMOVAL	FOOT	178	178				
63801200	MODULAR GLARE SCREEN SYSTEM	FOOT	3,570	3,570				
66400505	CHAIN LINK FENCE, 8'	FOOT	380	380				
66409300	CHAIN LINK GATES 8'X10' DOUBLE	EACH	1	1				
67100100	MOBILIZATION	L SUM	1	0.5		0.5		
70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1				
70102550	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	EACH	4	4				
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	50	50				
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	280	280				
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	15,783	15,783				
70400100	TEMPORARY CONCRETE BARRIER	FOOT	3,084	3,084				
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1,375	1,375				
* 72000100	SIGN PANEL, TYPE 1	SQ FT	162	162				
* 72000200	SIGN PANEL, TYPE 2	SQ FT	84	84				
* 72400710	RELOCATE SIGN PANEL- TYPE 1	SQ FT	27	27				
* 72400900	REMOVE SIGN PANEL	EACH	15	15				
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	80	80				
* 73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	6	6				

\*Specialty Items

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 5 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

Rev. F.A.P. SECTION COUNTY TOTAL SHEETS SHEET NO.  
389 2424-2B-R COOK 398 5  
CONTRACT NO. 60D61  
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

PROJECT: FAP 389 - CONGRESS PARKWAY OVER SOUTH BRANCH OF CHICAGO RIVER - CONTRACT NO. 60D61 COOK COUNTY

X075-2A

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	ROADWAY	ROADWAY LIGHTING				
				80% FED 20% STATE I000	80% FED 20% STATE Y030-1E	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1,508	1,508					
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	323	323					
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	762	762					
* 78005100	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	109.2	109.2					
* 78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	9,956	9,956					
* 78005120	EPOXY PAVEMENT MARKING - LINE 5"	FOOT	4,620	4,620					
* 78005140	EPOXY PAVEMENT MARKING - LINE 8"	FOOT	1,234	1,234					
* 78005150	EPOXY PAVEMENT MARKING - LINE 12"	FOOT	145	145					
* 78005180	EPOXY PAVEMENT MARKING - LINE 24"	FOOT	86	86					
* 78005120	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 5"	FOOT	480	480					
* 78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	116	116					
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	9,754	9,754					
* 78008220	POLYUREA PAVEMENT MARKING TYPE I - LINE 5"	FOOT	3,950	3,950					
* 78008340	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	FOOT	2,145	2,145					
* 78008350	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	693	693					
* 78008370	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	128	128					
* 78200100	MONODIRECTIONAL PRISMATIC BARRIER REFLECTOR	EACH	156	156					
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	9	9					
* 78200530	BARRIER WALL MARKERS, TYPE C	EACH	24	24					
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	1	1					
78300100	PAVEMENT MARKING REMOVAL	SQ FT	12,625	12,625					
* 81100220	CONDUIT ATTACHED TO STRUCTURE, 3/4" DIA., PVC COATED GALVANIZED STEEL	FOOT	2,008						2,008
* 81100320	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	5,629						5,629
* 81100510	CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., PVC COATED GALVANIZED STEEL	FOOT	268						268
* 81100605	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL	FOOT	1,084						1,084
* 81100705	CONDUIT ATTACHED TO STRUCTURE, 2 1/2" DIA., PVC COATED GALVANIZED STEEL	FOOT	1,293						1,293
* 81100805	CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL	FOOT	2,591						2,591
* 84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	9		9				
* 84400125	RELOCATE EXISTING TEMPORARY LIGHTING UNIT	EACH	9		9				
* 87000150	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (EPR-TYPE TC) 3/C NO. 6 AND NO. 8 GROUND	FOOT	1,793						1,793
* 87000200	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (EPR-TYPE TC) 3/C NO. 8 AND NO. 10 GROUND	FOOT	4,145						4,145
* 87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	2	2					
* 88030012	SIGNAL HEAD, LED, 1-FACE, 1-SECTION, BRACKET MOUNTED	EACH	4	4					
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4	4					
* 88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	4	4					

\* SPECIALTY ITEMS

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
SUMMARY OF QUANTITIES**

SCALE: NONE SHEET NO. 6 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	6
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PROJECT: FAP 389 - CONGRESS PARKWAY OVER SOUTH BRANCH OF CHICAGO RIVER - CONTRACT NO. 60D61 COOK COUNTY

X075-2A

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					
CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	ROADWAY	ROADWAY LIGHTING				
				80% FED 20% STATE 1000	80% FED 20% STATE Y030-1E	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1					
X0322185	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/4 INCHES	SQ YD	1,040			1,040			
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	1,805	1,805					
X0325305	STRUCTURAL REPAIR OF CONCRETE (DEPTH <sup>EQUAL TO OR</sup> LESS THAN 5 INCHES)	SQ FT	57			57			
X0325702	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1					
X0325775	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4 INCH	FOOT	25,720	25,720					
X0325840	WET REFLECTIVE TEMPORARY TAPE TYPE III, 12 INCH	FOOT	190	190					
X0325841	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 24 INCH	FOOT	76	76					
X0325842	WET REFLECTIVE TEMPORARY TAPE, TYPE III, LETTERS AND SYMBOLS	SQ FT	55	55					
X0325876	WET REFLECTIVE TEMPORARY TAPE TYPE III, 8 INCH	FOOT	7,110	7,110					
X0326107	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 5 INCH	FOOT	2,460	2,460					
X0350800	BOLLARDS	EACH	10	10					
<del>81012800</del>	<del>CONDUIT IN TRENCH, 3" DIA., PVC</del>	FOOT	750						750
<del>81013000</del>	<del>CONDUIT IN TRENCH, 4" DIA., PVC</del>	FOOT	50						50
X4400198	CONCRETE BARRIER REMOVAL (SPECIAL)	FOOT	737	737					
X4403300	CONCRETE MEDIAN REMOVAL	SQ FT	1,451	1,451					
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	30	30					
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1					
X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	CAL DA	630	630					
X7240205	REMOVE SIGN COMPLETE	EACH	2	2					
X8700210	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (EPR-TYPE TC) 3/C NO. 4/0 AND NO. 4 GROUND	FOOT	261						261
XX003988	TEMPORARY CONCRETE BARRIER REMOVAL	FOOT	3,136	3,136					
NP XX005656	INLET FILTER CLEANING	EACH	22	22					
XX006677	TREE WELL	EACH	6	6					
XX007763	TEMPORARY FENCE (SPECIAL)	FOOT	300	300					
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.5			0.5		
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	50			50			
Z0029999	IMPACT ATTENUATOR REMOVAL	EACH	4	4					
Z0030070	IMPACT ATTENUATORS (SEVERE USE, NARROW), TEST LEVEL 3	EACH	2	2					
Z0030280	IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 3	EACH	1	1					
Z0030290	IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, WIDE), TEST LEVEL 3	EACH	1	1					
Z0034100	MASONRY WALL CONSTRUCTION	SQ FT	385			385			
Z0053800	RIVET REMOVAL AND REPLACEMENT	EACH	2,888			2,888			
<del>Z0006900</del>	<del>BRIDGE FLOOR REMOVAL</del>	<del>SQ YD</del>	<del>2,171</del>			<del>2,171</del>			
Z0076600	TRAINEES	HOUR	1500	1500					
X7011012	TRAFFIC CONTROL AND PROTECTION FOR ALTERNATE ROUTE	L SUM	1	1					

\* SPECIALTY ITEMS

© Y080  
NP= Non-participating

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DEPARTMENT OF TRANSPORTATION

CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
SUMMARY OF QUANTITIES

SCALE: SHEET NO. 7 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	7
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

Rev.

PROJECT: FAP 389 - CONGRESS PARKWAY OVER SOUTH BRANCH OF CHICAGO RIVER - CONTRACT NO. 60D61 COOK COUNTY

SUMMARY OF QUANTITIES					CONSTRUCTION TYPE CODE				
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN	CONSTRUCTION TYPE CODE				
				80% FED 20% STATE 1000	ROADWAY LIGHTING 80% FED 20% STATE Y030-1E	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	
X0326519	STEEL RAILING REMOVAL	FOOT	84	84					
X0326520	TEMP ORARY THRIE BEAM STEEL PLATE GUARDRAIL, TYPE D REMOVAL (SPECIAL)	FOOT	454	454					
X0326521	CHAIN LINK CANTILEVER SLIDE GATE ( SPECIAL)	EACH	1	1					
X0326522	PRECAST MODULAR RETAINING WALL	FOOT	245				245		
X0326523	ASBESTOS REMOVAL	L SUM	1	1					
X0326524	REMOVAL OF EXISITNG ALUMINUM RAILING	FOOT	621				621		
X0326529	CARBON FIBER REINFORCED POLYMER REPAIR	SQ FT	996				996		
X0326525	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE SPECIAL)	EACH	50				50		
X0326526	F-SHAPE ALUMINUM PARAPET	FOOT	533				533		
X0326527	TEMPORARY THRIE BEAM STEEL PLATE GURDRAIL, TYPE D (SPECIAL)	FOOT	454				454		
X0326528	ABRASION RESISTANT POLYURETHANE BRIDGE WEARING SURFACE	SQ FT	20,220				20,220		
X0326530	ABRASION RESISTANT POLYURETHANE SIDEWALK WEARING SURFACE	SQ FT	3,682				3,682		
X0326531	COUNTERWEIGHT PIT CLEANING	EACH	4				4		
X0326532	FURNISHING AND ERECTING STEEL ORTHOTROPIC DECK	SQ FT	20,220				20,220		
X0326533	FURNISHING AND ERECTING STEEL ORTHOTROPIC SIDEWALK	SQ FT	3,682				3,682		
X0326534	REMOVE AND REINSTALL EXISTING ALUMINUM PARAPET	FOOT	741				741		
X0326535	SIDEWALK FLOORING OVER REAR ARM, 2"	SQ FT	160				160		
X0326536	BRIDGE DECKING AT REAR ARM, 4-1/4"	SQ FT	60				60		
X0326537	TIMBER BUMPERS	FOOT	32				32		
X0326538	METAL HANDRAIL AND METAL GUARDRAIL	FOOT	1,235				1,235		
X0326540	METAL LADDERS	EACH	9				9		
X0326541	METAL SHIP LADDERS	EACH	9				9		
X0326542	METAL GRATING	L SUM	1				1		
X0326543	CONCRETE STAIRS REPAIRS	L SUM	1				1		
X0326539	STAIRWELL REHABILITATION	L SUM	1				1		
X0326545	METAL STAIRS	L SUM	1				1		
X0326547	WINDOWS	L SUM	1				1		
X0326548	MEMBRANE ROOFING	EACH	2				2		
X0326549	STONE MASONRY REPAIRS AND REPLACEMENT	L SUM	1				1		
X0326550	METAL PANELS	L SUM	1				1		
X0326544	WINDOW BLINDS	L SUM	1				1		
X0326556	MECHANICAL DEMOLITION	L SUM	1					1	
X0326557	REFURBISHING OF OPERATING MACHINERY	L SUM	1					1	
X0326558	REPLACEMENT OF CENTER LOCKS	EACH	4					4	
X0326559	NON DESTRUCTIVE TESTING	L SUM	1					1	

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DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
SUMMARY OF QUANTITIES**

SCALE: SHEET NO. 8 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	8
CONTRACT NO. 60D61			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



PROJECT: FAP 389 - CONGRESS PARKWAY OVER SOUTH BRANCH OF CHICAGO RIVER - CONTRACT NO. 60D61 COOK COUNTY

X075-2A

SUMMARY OF QUANTITIES					CONSTRUCTION TYPE CODE				
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN	ROADWAY	ROADWAY LIGHTING	80% FED	80% FED	80% FED
					80% FED	80% FED	20% STATE	20% STATE	20% STATE
					1000	Y03D-1E			
X0326560	REPLACEMENT OF TRUNNION THRUST COLLAR ASSEMBLIES	EACH	16						16
X0326561	REPLACEMENT OF TRUNNION BEARING AND ANCHOR BOLTS	L SUM	1						1
X0326562	REFURBISHING OF LIVE LOAD BEARINGS	EACH	8						8
X0326563	SPAN BALANCE	L SUM	1						1
X0326546	TRAFFIC GATES	EACH	8						8
X0326565	REPLACEMENT OF BARRIER GATES	EACH	2						2
X0326566	REPLACEMENT OF SUMP PUMPS	EACH	4						4
X0326568	1600A MCB, 65KAIC, SWITCHBOARD	EACH	1						1
X0326569	EMERGENCY GENERATOR, 800KW, 0.8PF, 3PHASE, 4 WIRE, 480 VOLT	EACH	1						1
X0326570	WEATHERPROOF GENERATOR ENCLOSURE	EACH	1						1
X0326571	1600A 480Y/277 VOLT, 3PH, 4W AUTOMATIC TRANSFER SWITCH	EACH	1						1
X0326572	208/120V 3PH, 4W, 225AF MCB, 42-CIRCUIT PANEL, <sup>65</sup> KAIC	EACH	2						2
X0326573	208/120V 3PH, 4W, 100AF MCB, 30-CIRCUIT PANEL, <sup>65</sup> KAIC	EACH	2						2
X0326574	3HP, 480V VARIABLE FREQUENCY DRIVE	EACH	4						4
X0326575	NEMA 4X STAINLESS STEEL DOUBLE ENCLOSURE FOR 3 HP VARIABLE FREQUENCY DRIVES	EACH	2						2
X0326576	800A, 480Y/277V, 3PH, 4W, 65KAIC, (6) 20 INCH SECTIONS MOTOR CONTROL CENTER WITH MISC. CONTROLS AND BREAKERS	EACH	2						2
X0326577	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (EPR-TYPE TC) 3/C NO. 10 AND NO. 12 GROUND	FOOT	2,008						2,008
X0326578	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (EPR-TYPE TC) 4/C NO. 6 AND NO. 8 GROUND	FOOT	40						40
X0326579	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (EPR-TYPE TC) 3/C NO. 4 AND NO. 8 GROUND	FOOT	45						45
X0326580	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (EPR-TYPE TC) 3/C NO. 1/0 AND NO. 6 GROUND	FOOT	374						374
X0326581	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (EPR-TYPE TC) 4/C NO. 1/0 AND NO. 4 GROUND	FOOT	45						45
X0326582	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (EPR-TYPE TC) 3/C NO. 2/0 AND NO. 4 GROUND	FOOT	824						824
X0326583	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (EPR-TYPE TC) 4/C NO. 4/0 AND NO. 2 GROUND	FOOT	150						150
X0326584	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (EPR-TYPE TC) 3/C-250kcm AND NO. 2 GROUND	FOOT	883						883
X0326585	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (EPR-TYPE TC) 3/C-350kcm AND NO. 2 GROUND	FOOT	971						971
X0326591	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (EPR-TYPE TC) 4/C-350kcm AND NO. 1/0 GROUND	FOOT	1,620						1,620
X0326586	PULL BOX ATTACHED TO STRUCTURE, AISI TYPE 316 STAINLESS STEEL NEMA 4X, 60"X60"X16" (HXWXD), FIRE RATED	EACH	1						1
X0326588	PULL BOX ATTACHED TO STRUCTURE, AISI TYPE 316 STAINLESS STEEL NEMA 4X, 48"X36"X20" (HXWXD)	EACH	3						3
X0326587	PULL BOX ATTACHED TO STRUCTURE, AISI TYPE 316 STAINLESS STEEL NEMA 4X, 36"X48"X16" (HXWXD)	EACH	3						3
X0326589	PULL BOX ATTACHED TO STRUCTURE, AISI TYPE 316 STAINLESS STEEL NEMA 4X, 36"X36"X36" (HXWXD)	EACH	1						1
X0326590	PULL BOX ATTACHED TO STRUCTURE, AISI TYPE 316 STAINLESS STEEL NEMA 4X, 24"X24"X16" (HXWXD)	EACH	2						2
X0326567	PULL BOX ATTACHED TO STRUCTURE, AISI TYPE 316 STAINLESS STEEL NEMA 4X, 16"X12"X6" (HXWXD)	EACH	8						8
X0326551	TERMINAL CABINET ATTACHED TO STRUCTURE, AISI TYPE 316 STAINLESS STEEL NEMA 4X, 48"X36"X20" (HXWXD) WITH HARDWARE	EACH	4						4
X0326614	TERMINAL CABINET ATTACHED TO STRUCTURE, AISI TYPE 316 STAINLESS STEEL NEMA 4X, 24"X24"X16" (HXWXD) WITH HARDWARE	EACH	2						2
X0326592	FLEXIBLE LIQUID TIGHT STAINLESS STEEL CONDUIT, 3/4" DIAMETER, 6 FOOT LENGTH	EACH	4						4
X0326593	FLEXIBLE LIQUID TIGHT STAINLESS STEEL CONDUIT, 1" DIAMETER, 6 FOOT LENGTH	EACH	32						32
X0326594	FLEXIBLE LIQUID TIGHT STAINLESS STEEL CONDUIT, 1-1/2" DIAMETER, 6 FOOT LENGTH	EACH	2						2
X0326595	FLEXIBLE LIQUID TIGHT STAINLESS STEEL CONDUIT, 2-1/2" DIAMETER, 6 FOOT LENGTH	EACH	6						6
X0326596	FLEXIBLE LIQUID TIGHT STAINLESS STEEL CONDUIT, 3" DIAMETER, 6 FOOT LENGTH	EACH	4						4
X0326605	GALVANIZED STEEL SLEEVE 1-1/2", INCLUDING CORING, PATCH, FIREPROOFING	EACH	12						12
X0326606	GALVANIZED STEEL SLEEVE 2", INCLUDING CORING, PATCH, FIREPROOFING	EACH	6						6

\*Specialty Items

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CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
SUMMARY OF QUANTITIES

SCALE: SHEET NO. 9 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE. 389	SECTION 2424-2B-R	COUNTY COOK	TOTAL SHEETS 398	SHEET NO. 9
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

PROJECT: FAP 389 - CONGRESS PARKWAY OVER SOUTH BRANCH OF CHICAGO RIVER - CONTRACT NO. 60D61 COOK COUNTY

X075-2A

SUMMARY OF QUANTITIES					CONSTRUCTION TYPE CODE				
CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	ROADWAY	ROADWAY LIGHTING	80% FED	80% FED	80% FED	80% FED
				80% FED 20% STATE 1000	80% FED 20% STATE Y030-1E	20% STATE	20% STATE	20% STATE	
X0326607	GALVANIZED STEEL SLEEVE 3", <i>INCLUDING</i> CORING, PATCH, FIREPROOFING	EACH	12						12
X0326608	GALVANIZED STEEL SLEEVE 3-1/2", <i>INCLUDING</i> CORING, PATCH, FIREPROOFING	EACH	8						8
81100420	CONDUIT ATTACHED TO STRUCTURE, 1 1/4" DIA., PVC COATED GALVANIZED STEEL	FOOT	62						62
X0326597	ELECTRICAL DEMOLITION	L SUM	1						1
X0326598	ELECTRICAL EQUIPMENT AND CONDUIT DISPOSAL, NOT INCLUDING HAZARDOUS MATERIALS	L SUM	1						1
X0326599	TRANSFORMER 480-208/120V, 45 KVA	EACH	2						2
X0326600	TRANSFORMER 480-208/120V, 15 KVA	EACH	3						3
X0326601	DISCONNECT SWITCH 3-POLE, 600V, 30AMP	EACH	28						28
X0326602	DISCONNECT SWITCH 3-POLE, 600V, 100AMP	EACH	2						2
X0326603	DISCONNECT SWITCH 3-POLE, 600V, 200AMP	EACH	6						6
X0326604	DISCONNECT SWITCH 3-POLE, 600V, 400AMP	EACH	2						2
X0326609	GROUNDING	L SUM	1						1
X0326610	ELECTRICAL TERMINATION 600V	EACH	456						456
X0326611	ELECTRICAL CONDUIT AND CABLE TAGS	EACH	208						208
X0326612	MOGUL FITTING 1"-DIAMETER	EACH	12						12
X0326613	MOGUL FITTING 2-1/2"-DIAMETER	EACH	1						1
X0326564	VECTOR-CONTROLLED MOTOR DRIVES	EACH	8						8
X0326633	NEMA 4X STAINLESS STEEL ENCLOSURE FOR 75HP VECTOR-CONTROLLED MOTOR DRIVES	EACH	8						8
X0326615	INTEGRATED BRIDGE CONTROL SYSTEM	L SUM	1						1
X0326552	BASCULE SPAN LIGHTS RED/GREEN	EACH	4						4
X0326553	PIER LIGHTS	EACH	8						8
X0326554	MOTOR SPEED SWITCHES	EACH	8						8
X0326555	MAIN SPAN DRIVE MOTORS	EACH	8						8
X0326634	PVC COATED 3/4" GALVANIZED STEEL CONDUIT	FOOT	5,000						5,000
X0326619	#12 AWG XHHW-2 WIRE	FOOT	8,500						8,500
X0326620	#10 AWG XHHW-2 WIRE	FOOT	1,500						1,500
X0326621	TYPE 'A' INTERIOR HID METAL HALIDE LUMINAIRE	EACH	40						40
X0326622	TYPE 'B' INTERIOR INDUSTRIAL FLUORESCENT LUMINAIRE	EACH	27						27
X0326623	TYPE 'B-1' INTERIOR INDUSTRIAL FLUORESCENT LUMINAIRE W/LOW TEMPERATURE BALLAST	EACH	26						26
X0326624	TYPE 'C' RECESSED FLUORESCENT LUMINAIRE 2'x2'	EACH	10						10
X0326625	TYPE 'D' PENDANT OR SURFACE MOUNTED FLUORESCENT	EACH	12						12
X0326626	TYPE 'E' LED EXIT SIGN W/BATTERY PACK WALL MOUNTED	EACH	18.00						18.00
X0326627	TYPE 'E-1' LED EXIT SIGN W/BATTERY PACK CEILING MOUNTED	EACH	2						2
X0326628	TYPE 'F' STAIR FLUORESCENT LUMINAIRE	EACH	8						8
X0326629	TYPE 'G' EMERGENCY LIGHT BATTERY UNIT WALL MOUNTED	EACH	50						50
X0326630	TYPE 'G-1' EMERGENCY LIGHT BATTERY UNIT CEILING MOUNTED	EACH	2.0						2.0
X0326631	TYPE 'H' OUTDOOR STAIR HID METAL HALIDE WALL PACK LUMINAIRE WITH PHOTO CELL CONTROL	EACH	2.0						2.0
X0326632	WEATHER PROOF TOGGLE SWITCH 20AMP	EACH	24						24

\*Specialty Items

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USER NAME = #USER#	DESIGNED - DM	REVISED -
FILE NAME = #FILENAME#	DRAWN - MS	REVISED -
PLOT SCALE = #SCALE#	CHECKED - DS	REVISED -
PLOT DATE = 5/7/2009	DATE - 5/08/09	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
SUMMARY OF QUANTITIES

SCALE: SHEET NO.10 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE. 389	SECTION 2424-2B-R	COUNTY COOK	TOTAL SHEETS 398	SHEET NO. 10
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PROJECT: FAP 389 - CONGRESS PARKWAY OVER SOUTH BRANCH OF CHICAGO RIVER - CONTRACT NO. 60D61 COOK COUNTY

X075-2A

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	ROADWAY	ROADWAY LIGHTING			
				80% FED 20% STATE 1000	80% FED 20% STATE Y030-1E	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
* X0326496	TOGGLE SWITCH 20AMP	EACH	14					14
* X0326497	600W 120V DIMMER	EACH	2					2
* X0326498	GFCI 20 AMP DUPLEX RECEPTACLE	EACH	47					47
X0326499	BRIDGE TEMPORARY POWER AND CONTROLS DURING CONSTRUCTION	L SUM	1					1
X0326500	BRIDGE OPERATION AND MAINTENANCE DURING CONSTRUCTION	L SUM	1					1
* X0326503	CCTV SYSTEM	L SUM	1					1
* X0326618	ADDRESSABLE FIRE ALARM SYSTEM	L SUM	1					1
* X0326501	ACCEPTANCE TESTING	L SUM	1					1
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1					1
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1					1
X0326504	FIBER OPTIC CABLE, SINGLE MODE	L SUM	1					1
X0326502	FIBER OPTIC SPLICE	L SUM	1					1
X0326505	CONTROL CABLES, CONDUITS, AND RACEWAY SYSTEM	L SUM	1					1
X0326506	ELECTRIC CABLE ASSEMBLY IN CABLE, 600V (SUBMERSIBLE) 16/C NO. 8 AND NO. 10 GROUND (CABLE A)	FOOT	475					475
X0326507	ELECTRIC CABLE ASSEMBLY IN CABLE, 600V (SUBMERSIBLE) 6/C - 250 KCMIL AND NO. 2 GROUND (CABLE B)	FOOT	475					475
X0326508	ELECTRIC CABLE ASSEMBLY IN CABLE, 600V (SUBMERSIBLE) 6/C NO. 8, 16/C NO. 6 AND NO. 10 GROUND (CABLE C)	FOOT	475					475
X0326509	ELECTRIC CABLE ASSEMBLY IN CABLE, 600V (SUBMERSIBLE) 3/C NO. 1/0, 3/C NO. 4/0 AND NO. 4 GROUND (CABLE D)	FOOT	475					475
X0326510	ELECTRIC CABLE ASSEMBLY IN CABLE, 600V (SUBMERSIBLE) 3/C NO. 4/0 AND NO. 4 GROUND (CABLE E)	FOOT	475					475
X0326511	ELECTRIC CABLE ASSEMBLY IN CABLE, 600V (SUBMERSIBLE) 6/C - 250 KCMIL AND NO. 2 GROUND (CABLE F)	FOOT	475					475
X0326512	ELECTRIC CABLE ASSEMBLY IN CABLE, 600V (SUBMERSIBLE) 22/C NO. 8 AND NO. 10 GROUND (CABLE G)	FOOT	475					475
X0326513	ELECTRIC CABLE ASSEMBLY IN CABLE, 600V (SUBMERSIBLE) 18/C NO. 6, 3/C NO. 4/0 AND NO. 4 GROUND (CABLE H)	FOOT	475					475
X0326514	ELECTRIC CABLE ASSEMBLY IN CABLE, 600V (SUBMERSIBLE) 54/C NO. 10, 13/C NO. 8 AND 13/C NO. 4 (CABLE C99)	FOOT	475					475
* X0326515	ELECTRIC CABLE ASSEMBLY IN CABLE, 600V (SUBMERSIBLE) 25/C NO. 12 TSP, 2/C NO. 18 AND 3 COAX RG6 (CABLE C100)	FOOT	475					475
X0326516	ELECTRIC CABLE ASSEMBLY IN CABLE, 600V (SUBMERSIBLE) 25/C NO. 12 TSP, 2/C NO. 18 AND 3 COAX RG6 (CABLE C294)	FOOT	475					475
X0326517	ELECTRIC CABLE ASSEMBLY IN CABLE, 600V (SUBMERSIBLE) 56/C NO. 10, 9/C NO. 8 AND 6/C NO. 4 (CABLE C294)	FOOT	475					475
X0326518	ELECTRIC CABLE ASSEMBLY IN CABLE, 600V (SUBMERSIBLE) FIBER OPTIC CABLE, 96 FIBER = 3 <sup>NO.</sup> 10 AWG	FOOT	475					475
X0326635	PERMANENT LIGHT POLE, ALUMINUM, TRANSFORMER BASE, M.H. TO MATCH EXISTING, 3 FT. DAVIT ARM - TWIN	EACH	3			3		
X0326636	LUMINAIRE, HIGH PRESSURE SODIUM VAPOR, HORIZONTAL MOUNT, 200 WATT WITH REFRACTOR	EACH	18			18		
X0326637	BRIDGE LTG LIGHT POLE, ALUMINUM, TRANSFORMER BASE, 47.5 FT. M.H., 3 FT. DAVIT ARM - TWIN	EACH	6			6		
X0326638	MOUNTING BRACKET- TRAFFIC SIGNAL POLE TO EXISTING STRUCTURE	EACH	2	2				
X0326639	MOUNTING BRACKET- TEMPORARY LIGHTING POLE TO EXISTING STRUCTURE	EACH	9	9				
X0326640	MOUNTING BRACKET- PERMANENT LIGHTING POLE TO EXISTING STRUCTURE	EACH	3	3				

\*Specialty Items

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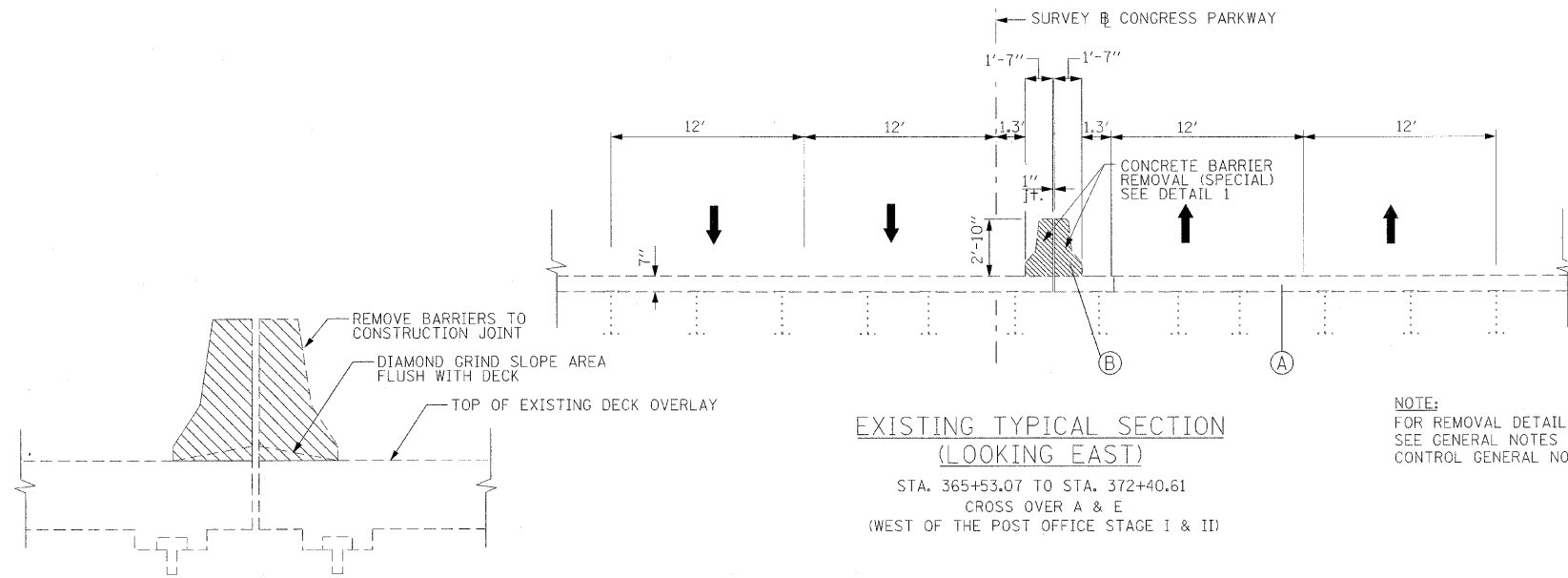
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
SUMMARY OF QUANTITIES

SCALE: SHEET NO10A OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE. 389	SECTION 2424-2B-R	COUNTY COOK	TOTAL SHEETS 398	SHEET NO. 10A
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DETAIL 1

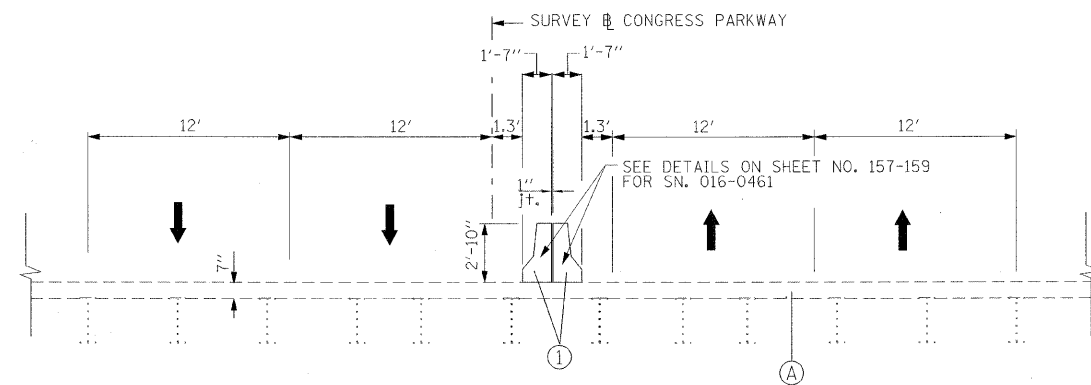
**EXISTING TYPICAL SECTION  
(LOOKING EAST)**

STA. 365+53.07 TO STA. 372+40.61  
CROSS OVER A & E  
(WEST OF THE POST OFFICE STAGE I & II)

**NOTE:**  
FOR REMOVAL DETAILS AND SEQUENCE  
SEE GENERAL NOTES AND TRAFFIC  
CONTROL GENERAL NOTES AND DETAILS

**EXISTING**

- Ⓐ EXISTING CONCRETE DECK
- Ⓑ EXISTING CONCRETE BARRIER REMOVAL
- Ⓒ EXISTING CONCRETE MEDIAN REMOVAL



**PROPOSED TYPICAL SECTION  
(LOOKING EAST)**

STA. 365+53.07 TO STA. 372+40.61  
CROSS OVER A & E  
(WEST OF THE POST OFFICE STAGE I & II)

**PROPOSED**

- ① CONCRETE PARAPET, 34 INCH F SHAPE (MODIFIED)
- ② CONCRETE PARAPET TRANSITION, 34 INCH F SHAPE (MODIFIED)
- ③ CONCRETE MEDIAN (SPECIAL)
- ④ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"
- ⑤ HOT-MIX ASPHALT BASE COURSE, 8" (IN 3 LIFTS)
- ⑥ SUB-BASE GRANULAR MATERIAL, TYPE B 6"
- ⑦ COMBINATION CONCRETE C&G, TYPE B-6.12
- ⑧ PRECAST MODULAR RETAINING WALL
- ⑨ CHAIN LINK FENCE, 8'

**NOTE:**  
EXISTING MEDIAN AND BARRIER REMOVAL  
SHALL ACCOMMODATE TRAFFIC CONTROL  
CROSS OVERS AS SHOWN IN THE TABLE BELOW.

CONGRESS PARKWAY TRAFFIC CONTROL CROSS-OVER TABLE				
STAGE	NAME	STATION		STATION
I	A	STA. 366+87.17	TO	STA. 372+59.17
I	B	STA. 383+08.91	TO	STA. 385+33.94
II	C	STA. 376+43.36	TO	STA. 379+05.88
II	D	STA. 383+00.06	TO	STA. 385+43.95
II	E	STA. 365+60.26	TO	STA. 372+61.73

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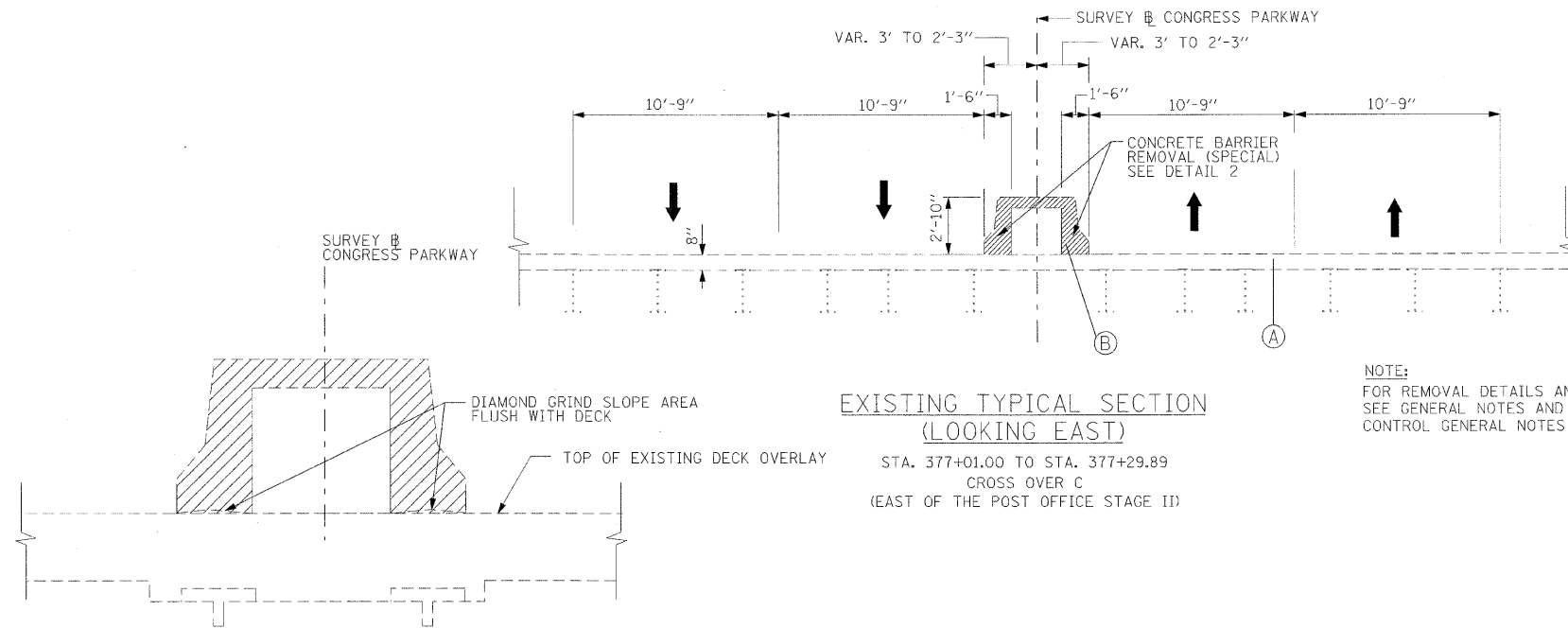
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
TYPICAL SECTIONS**

SCALE: NONE SHEET NO. 11 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

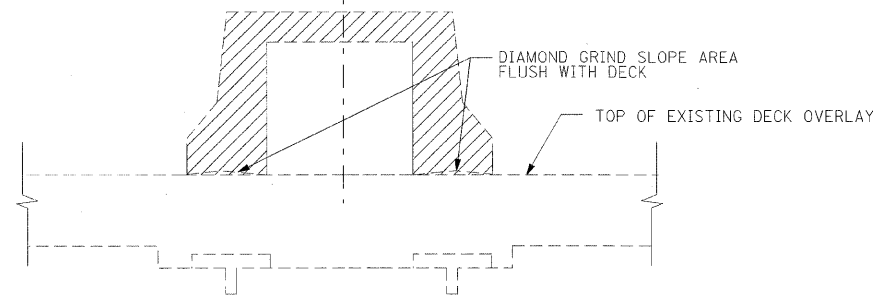
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	11
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				



**EXISTING TYPICAL SECTION  
(LOOKING EAST)**

STA. 377+01.00 TO STA. 377+29.89  
CROSS OVER C  
(EAST OF THE POST OFFICE STAGE II)

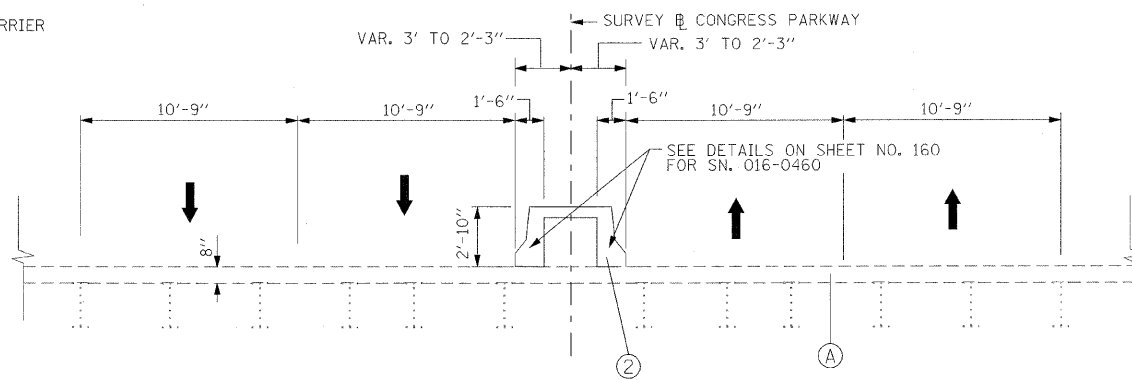
NOTE:  
FOR REMOVAL DETAILS AND SEQUENCE  
SEE GENERAL NOTES AND TRAFFIC  
CONTROL GENERAL NOTES AND DETAILS



**DETAIL 2**

CONCRETE BARRIER REMOVAL (SPECIAL)

NOTE:  
FOR CONDUIT LOCATED WITHIN EXISTING BARRIER  
SEE STRUCTURE AND ELECTRICAL DETAILS.



**PROPOSED TYPICAL SECTION  
(LOOKING EAST)**

STA. 377+01.00 TO STA. 377+29.89  
CROSS OVER C  
(EAST OF THE POST OFFICE STAGE II)

**EXISTING**

- (A) EXISTING CONCRETE DECK
- (B) EXISTING CONCRETE BARRIER REMOVAL
- (C) EXISTING CONCRETE MEDIAN REMOVAL

**PROPOSED**

- (1) CONCRETE PARAPET, 34 INCH F SHAPE (MODIFIED)
- (2) CONCRETE PARAPET TRANSITION, 34 INCH F SHAPE (MODIFIED)
- (3) CONCRETE MEDIAN (SPECIAL)
- (4) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"
- (5) HOT-MIX ASPHALT BASE COURSE, 8" (IN 3 LIFTS)
- (6) SUB-BASE GRANULAR MATERIAL, TYPE B 6"
- (7) COMBINATION CONCRETE C&G, TYPE B-6.12
- (8) PRECAST MODULAR RETAINING WALL
- (9) CHAIN LINK FENCE, 8'

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DATE - 5/08/09

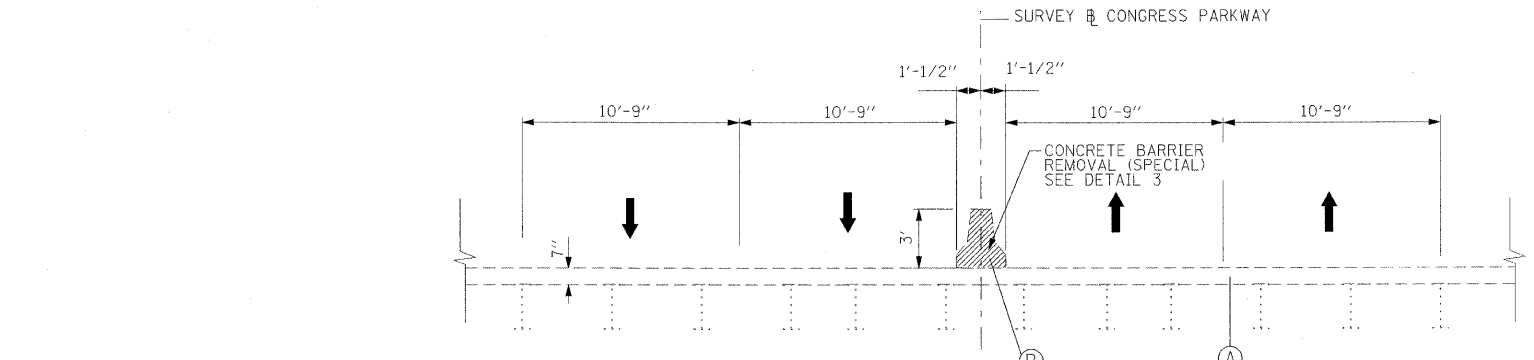
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
TYPICAL SECTIONS**

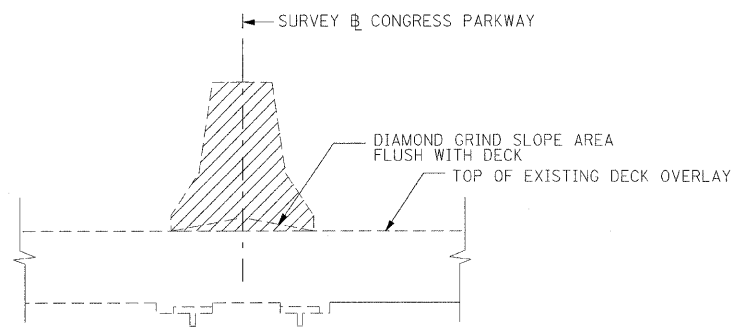
SCALE: NONE SHEET NO. 12 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	12
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

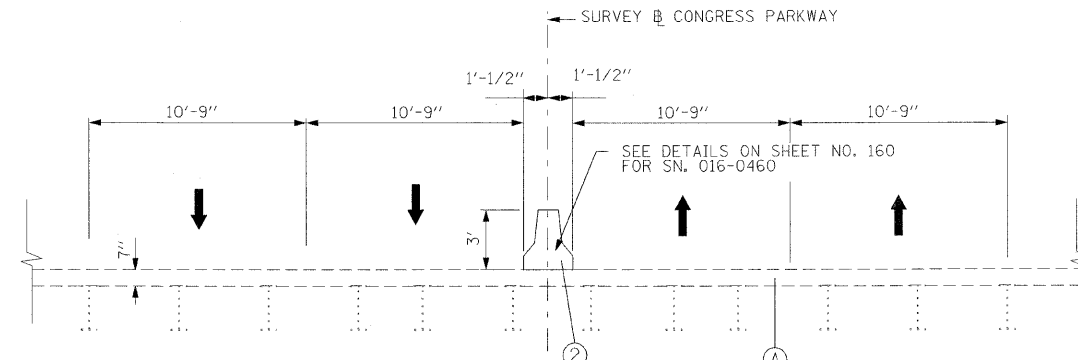


**EXISTING TYPICAL SECTION  
(LOOKING EAST)**  
 STA. 377+29.89 TO STA. 377+50.23  
 CROSS OVER C  
 (EAST OF THE POST OFFICE STAGE II)

**NOTE:**  
 FOR REMOVAL DETAILS AND SEQUENCE  
 SEE GENERAL NOTES AND TRAFFIC  
 CONTROL GENERAL NOTES AND DETAILS



**DETAIL 3**  
 CONCRETE BARRIER REMOVAL (SPECIAL)



**PROPOSED TYPICAL SECTION  
(LOOKING EAST)**  
 STA. 377+29.89 TO STA. 377+50.23  
 CROSS OVER C  
 (EAST OF THE POST OFFICE STAGE II)

**EXISTING**

- (A) EXISTING CONCRETE DECK
- (B) EXISTING CONCRETE BARRIER REMOVAL
- (C) EXISTING CONCRETE MEDIAN REMOVAL

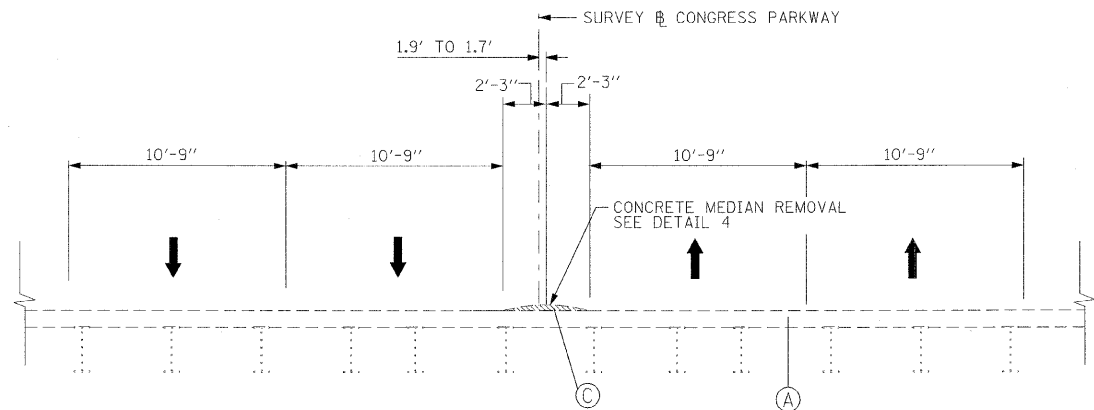
**PROPOSED**

- ① CONCRETE PARAPET, 34 INCH F SHAPE (MODIFIED)
- ② CONCRETE PARAPET TRANSITION, 34 INCH F SHAPE (MODIFIED)
- ③ CONCRETE MEDIAN (SPECIAL)
- ④ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"
- ⑤ HOT-MIX ASPHALT BASE COURSE, 8" (IN 3 LIFTS)
- ⑥ SUB-BASE GRANULAR MATERIAL, TYPE B 6"
- ⑦ COMBINATION CONCRETE C&G, TYPE B-6.12
- ⑧ PRECAST MODULAR RETAINING WALL
- ⑨ CHAIN LINK FENCE, 8'

**NOTE:**

EXISTING IMPACT ATTENUATOR SHALL BE REMOVED FROM STA. 377+50.23 TO STA. 377+67.98 TO ACCOMMODATE STAGE II TRAVEL LANES AND BE REPLACED WITH NEW IMPACT ATTENUATOR (SEVERE USE, NARROW), TEST LEVEL 3 AT THE SAME LOCATION (SEE ROADWAY PLANS FOR DETAILS).

<b>PB Americas, Inc.</b> 230 WEST MONROE STREET, SUITE 900 CHICAGO, IL. 60606	USER NAME = #USER# FILE NAME = #FILENAME# PLOT SCALE = #SCALE# PLOT DATE = 5/6/2009	DESIGNED - DM DRAWN - MS CHECKED - DS DATE - 5/08/09	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS          DEPARTMENT OF TRANSPORTATION</b>	<b>CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER          TYPICAL SECTIONS</b>		F.A.P. RTE. 389	SECTION 2424-2B-R	COUNTY COOK	TOTAL SHEETS 398	SHEET NO. 13	<b>CONTRACT NO. 60061</b> <small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>
	SCALE: NONE SHEET NO. 13 OF 83 SHEETS STA. 377+01.00 TO STA. 382+49.28				STA. 377+01.00 TO STA. 382+49.28							



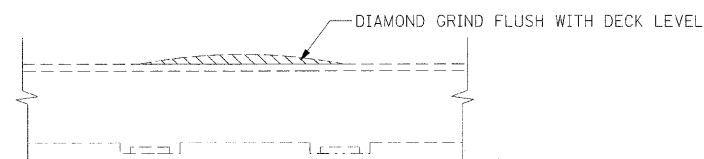
**EXISTING TYPICAL SECTION  
(LOOKING EAST)**

STA. 377+67.98 TO STA. 378+46.48  
CROSS OVER C  
(EAST OF THE POST OFFICE STAGE II)

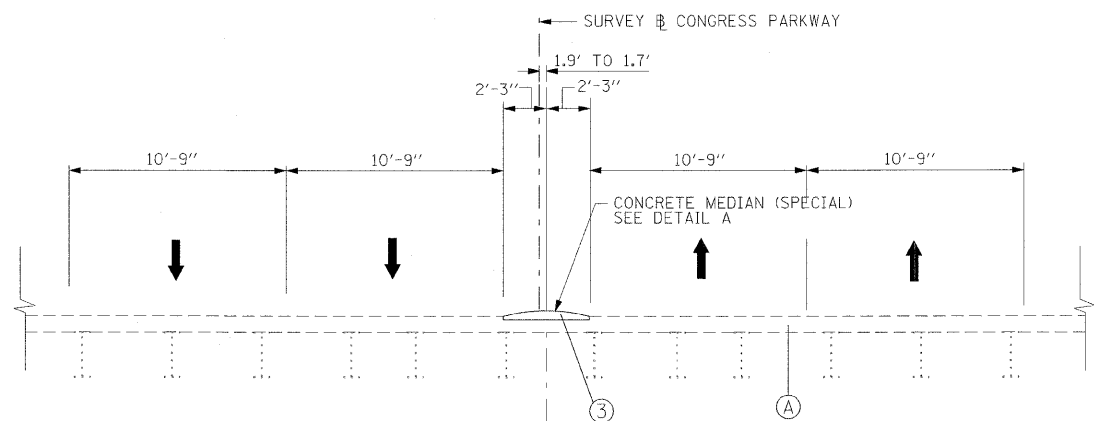
NOTE:  
FOR REMOVAL DETAILS AND SEQUENCE  
SEE GENERAL NOTES AND TRAFFIC  
CONTROL GENERAL NOTES AND DETAILS

**EXISTING**

- Ⓐ EXISTING CONCRETE DECK
- Ⓑ EXISTING CONCRETE BARRIER REMOVAL
- Ⓒ EXISTING CONCRETE MEDIAN REMOVAL
- Ⓓ EXISTING CONCRETE REMOVAL



**DETAIL 4**  
CONCRETE MEDIAN REMOVAL

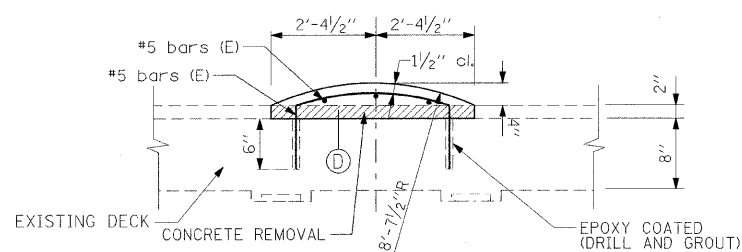


**PROPOSED TYPICAL SECTION  
(LOOKING EAST)**

STA. 377+67.98 TO STA. 378+46.48  
CROSS OVER C  
(EAST OF THE POST OFFICE STAGE II)

**PROPOSED**

- ① CONCRETE PARAPET, 34 INCH F SHAPE (MODIFIED)
- ② CONCRETE PARAPET TRANSITION, 34 INCH F SHAPE (MODIFIED)
- ③ CONCRETE MEDIAN (SPECIAL)
- ④ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"
- ⑤ HOT-MIX ASPHALT BASE COURSE, 8" (IN 3 LIFTS)
- ⑥ SUB-BASE GRANULAR MATERIAL, TYPE B 6"
- ⑦ COMBINATION CONCRETE C&G, TYPE B-6.12
- ⑧ PRECAST MODULAR RETAINING WALL
- ⑨ CHAIN LINK FENCE, 8'



**DETAIL A**  
CONCRETE MEDIAN (SPECIAL)  
STA. 377+67.98 TO STA. 378+46.48

NOTE:

1. ALL REINFORCING BARS, BAR SLICERS, TIE BARS, DOWEL BARS AND CONCRETE REMOVAL SHALL BE INCLUDED IN THE CONTRACT UNIT COST PER SQ. FT. FOR "CONCRETE MEDIAN (SPECIAL)"
2. CONCRETE MEDIAN (SPECIAL) SHALL BE CONSTRUCTED IN STAGE IIA (SEE TCP GENERAL NOTES)

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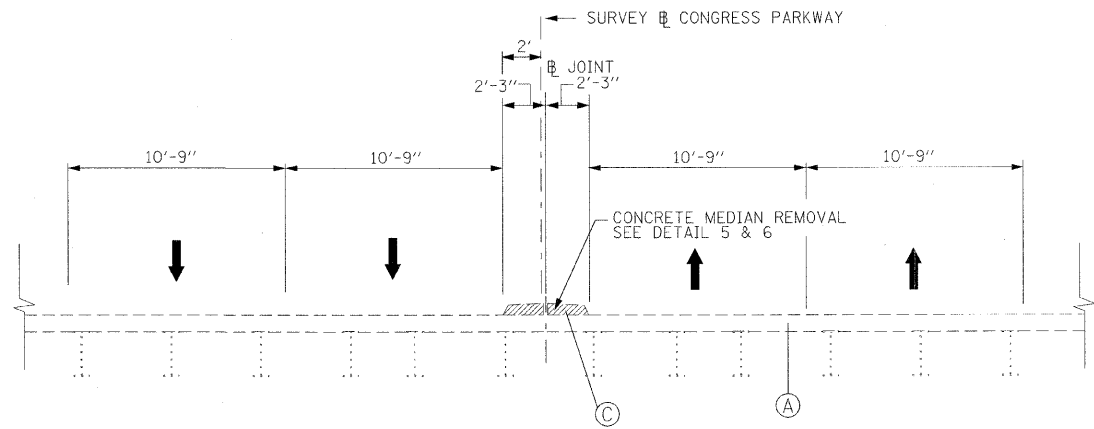
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
TYPICAL SECTIONS**

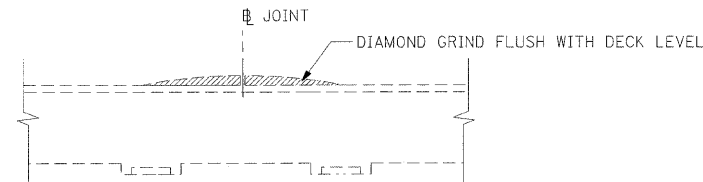
SCALE: NONE SHEET NO. 14 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	14
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



**EXISTING**

- (A) EXISTING CONCRETE DECK
- (B) EXISTING CONCRETE BARRIER REMOVAL
- (C) EXISTING CONCRETE MEDIAN REMOVAL
- (D) EXISTING CONCRETE REMOVAL

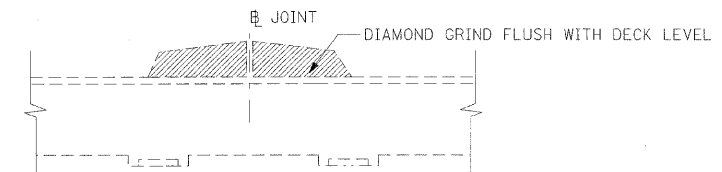


**DETAIL 5**  
CONCRETE MEDIAN REMOVAL  
STA. 383+45.62 TO STA. 384+45.62

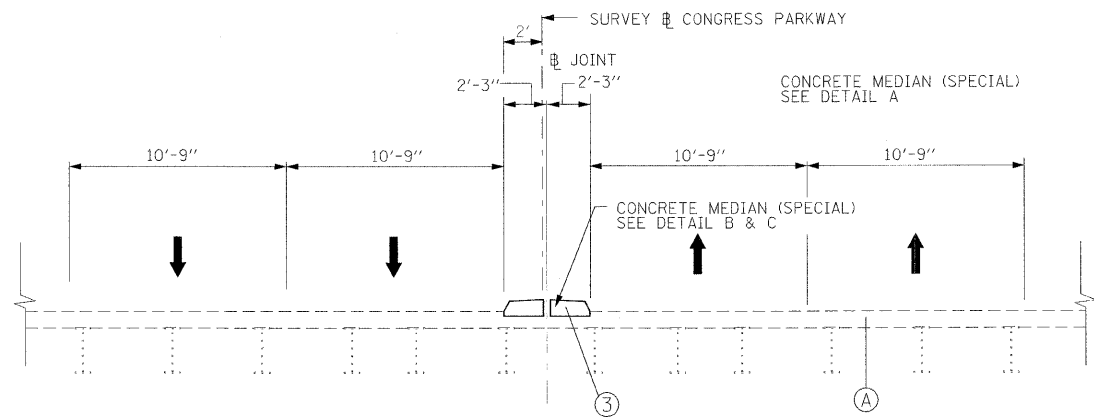
**EXISTING TYPICAL SECTION (LOOKING EAST)**

STA. 383+45.62 TO STA. 385+72.62  
CROSS OVER B & D  
(EAST OF THE POST OFFICE STAGE I & II)

NOTE:  
FOR REMOVAL DETAILS AND SEQUENCE  
SEE GENERAL NOTES AND TRAFFIC  
CONTROL GENERAL NOTES AND DETAILS

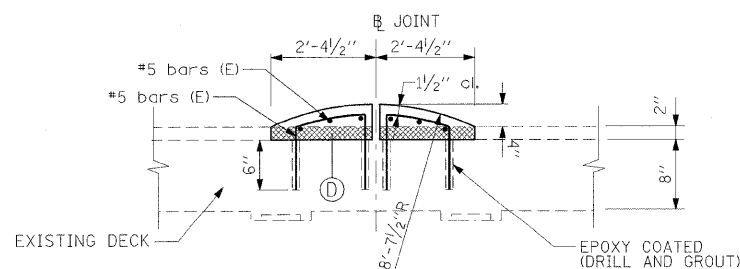


**DETAIL 6**  
CONCRETE MEDIAN REMOVAL  
STA. 384+45.62 TO STA. 385+72.62



**PROPOSED**

- ① CONCRETE PARAPET, 34 INCH F SHAPE (MODIFIED)
- ② CONCRETE PARAPET TRANSITION, 34 INCH F SHAPE (MODIFIED)
- ③ CONCRETE MEDIAN (SPECIAL)
- ④ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"
- ⑤ HOT-MIX ASPHALT BASE COURSE, 8" (IN 3 LIFTS)
- ⑥ SUB-BASE GRANULAR MATERIAL, TYPE B 6"
- ⑦ COMBINATION CONCRETE C&G, TYPE B-6.12
- ⑧ PRECAST MODULAR RETAINING WALL
- ⑨ CHAIN LINK FENCE, 8'

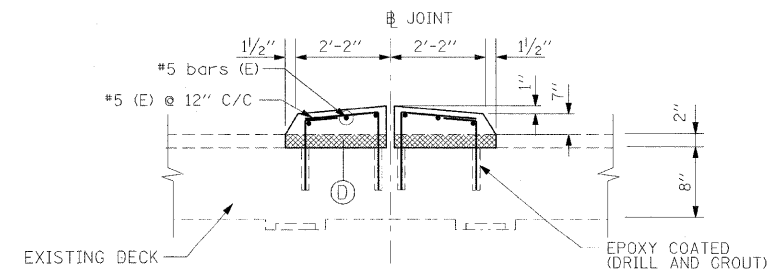


**DETAIL B**  
CONCRETE MEDIAN (SPECIAL)  
STA. 383+45.62 TO STA. 384+45.62

**PROPOSED TYPICAL SECTION (LOOKING EAST)**

STA. 383+45.62 TO STA. 385+72.62  
CROSS OVER B & D  
(EAST OF THE POST OFFICE STAGE I & II)

NOTE:  
1. ALL REINFORCING BARS, BAR SLICERS, TIE BARS, DOWEL BARS AND CONCRETE REMOVAL SHALL BE INCLUDED IN THE CONTRACT UNIT COST PER SQ. FT. FOR "CONCRETE MEDIAN (SPECIAL)"  
2. CONCRETE MEDIAN (SPECIAL) SHALL BE CONSTRUCTED IN STAGE IIA (SEE TCP GENERAL NOTES)



**DETAIL C**  
CONCRETE MEDIAN (SPECIAL)  
STA. 384+45.62 TO STA. 385+72.62

**PB Americas, Inc.**  
230 WEST MONROE STREET,  
SUITE 900  
CHICAGO, IL. 60606

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PLOT DATE = 5/6/2009

DESIGNED - DM  
DRAWN - MS  
CHECKED - DS  
DATE - 5/08/09

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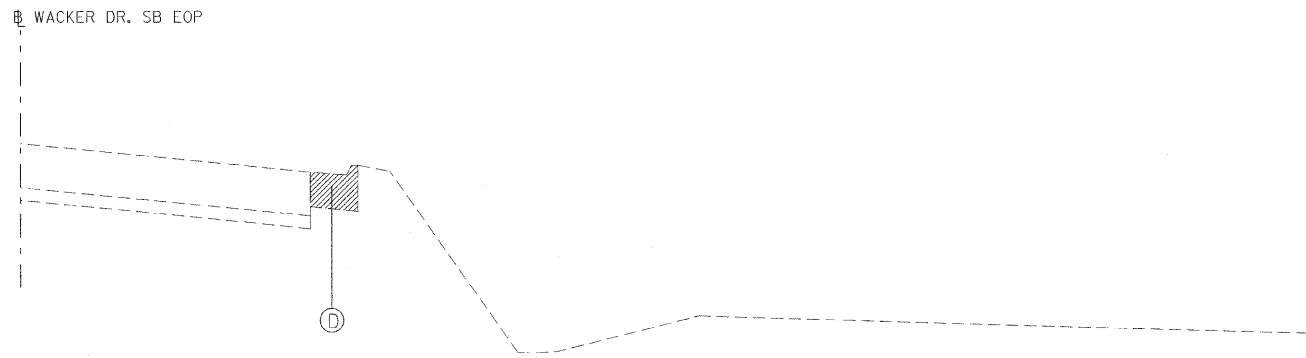
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
TYPICAL SECTIONS**

SCALE: NONE SHEET NO. 15 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	15
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



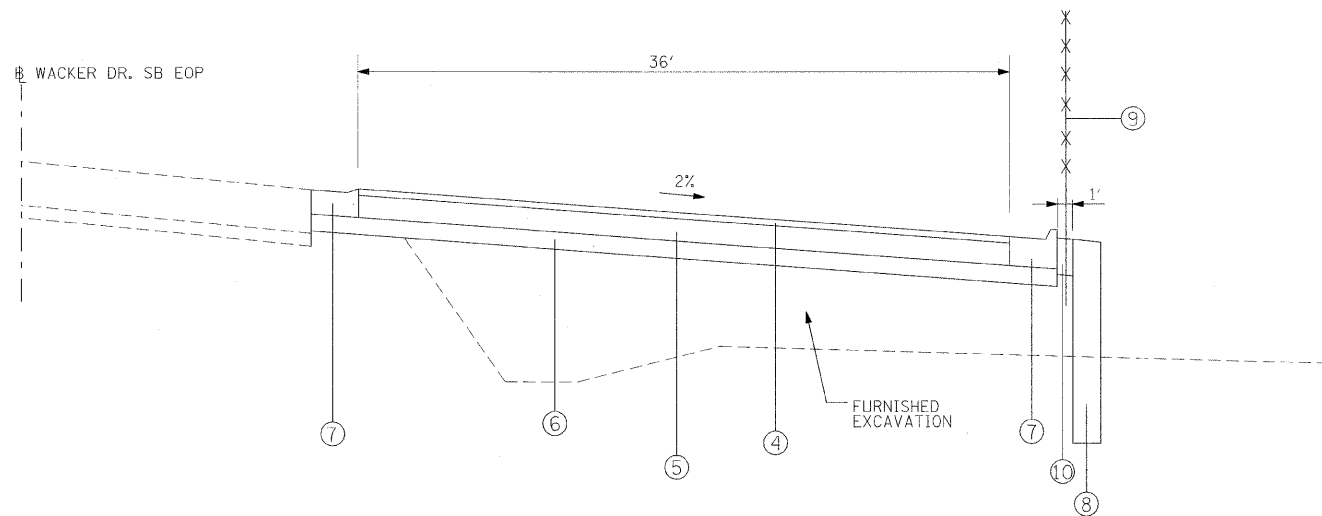


EXISTING

- ① EXIST. CONC. C&G REMOVAL, TYPE B-6.12

EXISTING TYPICAL SECTION  
ACCESS DRIVE

STA. 101+14.53 TO STA. 102+32.29



PROPOSED

- ④ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"
- ⑤ HOT-MIX ASPHALT BASE COURSE, N50, 8" (IN 3 LIFTS)
- ⑥ SUB-BASE GRANULAR MATERIAL, TYPE B 6"
- ⑦ COMBINATION CONCRETE C&G, TYPE B-6.12
- ⑧ PRECAST MODULAR RETAINING WALL
- ⑨ CHAIN LINK FENCE, 8'
- ⑩ AGGREGATE SHOULDER, TYPE A 12"

PROPOSED TYPICAL SECTION  
ACCESS DRIVE

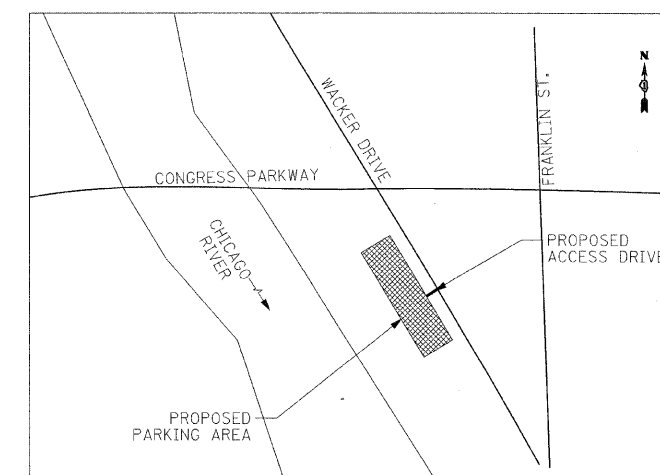
STA. 101+14.53 TO STA. 102+32.29

MIXTURE REQUIREMENTS

APPLICATION (SEE TYPICAL SECTIONS)	MIXTURE TYPE	AC TYPE	AIR VOIDS
ACCESS DRIVE	HOT-MIX ASPHALT SURFACE COURSE, " MIX "C", (IL-9.5mm)	PG 64-22	4% @ 50 GYR
ACCESS DRIVE	HMA BASE COURSE, (HMA BINDER IL-19, N50), 8"	PG 64-22	4% @ 50 GYR

WEIGHT NOTE:

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX SURFACE MIXTURES OF  
112 LBS/SQ YD/ INCH THICKNESS.  
• WHEN RAP EXCEEDS 20% THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 64-22.



KEY MAP

**PB Americas, Inc.**  
230 WEST MONROE STREET,  
SUITE 900  
CHICAGO, IL. 60606

USER NAME = #USER#	DESIGNED - DM	REVISED -
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PLOT SCALE = #SCALE#	CHECKED - DS	REVISED -
PLOT DATE = 5/6/2009	DATE - 5/08/09	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
TYPICAL SECTIONS**

SCALE: NONE SHEET NO. 16 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	16
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

TREE REMOVAL (6 TO 15 UNITS DIAMETER)			
LOCATION	STATION	OFFSET	UNIT
Wacker Drive	101+37.00	52' RT	9
			TOTAL: 9

TREE REMOVAL (OVER 15 UNITS DIAMETER)			
LOCATION	STATION	OFFSET	UNIT
Wacker Drive	101+15.00	45' RT	19
	101+64.00	47' RT	21
	102+08.00	50' RT	21
			TOTAL: 61

TREE TRUNK PROTECTION			
LOCATION	STATION	OFFSET	EACH
Wacker Drive	100+69.00	41' RT	1
	100+83.00	30' RT	1
	100+92.00	47' RT	1
	100+96.00	33' RT	1
	101+40.00	33' RT	1
	102+12.00	36' RT	1
			TOTAL: 6

SUB-BASE GRANULAR MATERIAL, TYPE B 6"							
LOCATION	FROM STATION	WIDTH	OFFSET	TO STATION	WIDTH	OFFSET	SQ YD
Wacker Dr.	101+14.53		RT	102+32.29		RT	334
							TOTAL: 334

HOT-MIX ASPHALT BASE COURSE, 8"							
LOCATION	FROM STATION	WIDTH	OFFSET	TO STATION	WIDTH	OFFSET	SQ YD
Wacker Dr.	101+14.53		RT	102+32.29		RT	280
							TOTAL: 280

HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50							
LOCATION	FROM STATION	WIDTH	OFFSET	TO STATION	WIDTH	OFFSET	TON
Wacker Dr.	101+14.53		RT	102+32.29		RT	31
							TOTAL: 31

COMBINATION CURB AND CUTTER REMOVAL					
LOCATION	FROM STATION	OFFSET	TO STATION	OFFSET	FOOT
Wacker Dr.	101+33.72	18.4' RT	101+88.67	18.2' RT	55
					TOTAL: 55

STEEL RAILING TYPE 2399					
LOCATION	FROM STATION	OFFSET	TO STATION	OFFSET	FOOT
Congress Parkway	377+69.60	51.0' RT	378+90.50	46.0' RT	122
	378+91.64	47.6' RT	379+13.35	46.0' RT	22
	379+19.58	47.8' RT	379+36.14	46.0' RT	17
					TOTAL: 161

TUBULAR THRIE BEAM RETROFIT RAIL FOR BRIDGES					
LOCATION	FROM STATION	OFFSET	TO STATION	OFFSET	FOOT
Congress Parkwa	377+42.60	46.7' LT	378+90.79	44.7' LT	150
					TOTAL: 150

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12					
LOCATION	FROM STATION	OFFSET	TO STATION	OFFSET R-LENGTH	FOOT
Wacker Dr.	101+34.64	18.4' RT	101+88.67	18.2' RT	54
	101+88.78	38.2' RT	102+30.31	37.9' RT	42
	101+14.93	38.4' RT	101+39.66	38.4' RT	25
	101+14.93	36.9' RT	101+14.93	38.4' RT	2
	101+14.93	54.38' RT	101+14.93	55.9' RT	2
	101+15.43	54.4' RT	102+30.48	53.9' RT	115
	101+34.64	18.4' RT	101+39.66	38.4' RT	24
	101+88.67	18.2' RT	101+88.78	38.2' RT	27
	102+31.80	36.4' RT	102+32.00	55.4' RT	19
					TOTAL: 308

CONCRETE MEDIAN (SPECIAL)							
LOCATION	FROM STATION	WIDTH	OFFSET	TO STATION	WIDTH	OFFSET	SQ FT
Congress Parkway	377+67.98	4.75	CL	378+46.48	4.75	CL	373
	383+45.62	4.75	CL	385+72.62	4.75	CL	1,078
							TOTAL: 1,451

TRAFFIC BARRIER TERMINAL, TYPE 2			
LOCATION	STATION	OFFSET	EACH
Wacker Dr.	101+38.08	23.38 RT'	1
			TOTAL: 1

TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)			
LOCATION	FROM STATION	OFFSET	EACH
Wacker Dr.	101+82.94	23.3' RT	1
			TOTAL: 1

TRAFFIC BARRIER TERMINAL, TYPE 6 (SPECIAL)					
LOCATION	STATION	OFFSET			EACH
Congress Prkwy	377+01.58	41.89' LT	377+42.60	51.90' LT	1
					TOTAL: 1

MODULAR GLARE SCREEN SYSTEM					
LOCATION	FROM STATION	OFFSET	TO STATION	OFFSET	FOOT
STAGE I	365+53.07	1.6' RT	379+39.55	29.37' LT	1,386
	381+66.32	29.10' LT	385+25.77	6.4' RT	359
STAGE II	365+53.07	1.6' RT	379+71.57	18.4' RT	1,419
	381+98.34	18.6' RT	385+97.25	5.4' RT	399
					TOTAL: 3,570

**EARTHWORK SCHEDULE**

LOCATION			EARTH EXCAVATION	UNSUITABLE EXCAVATION	EMBANKMENT	TOPSOIL FURNISH AND PLACE (6")
STATION	TO	STATION	(CU YD)	(CU YD)	(CU YD)	(SQ YD)
100+75.00	TO	102+25.00	50	75	-140	70

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
SCHEDULE OF QUANTITIES**

SHEET NO. 17 OF 83 SHEETS | STA. 377+01.00 TO STA. 382+45.28

F.A.P. 1 RTE. 389	SECTION 2424-2B-R	COUNTY COOK	TOTAL SHEETS 398	SHEET NO. 17
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

CHAIN LINK FENCE, 8'						
LOCATION	FROM STATION	OFFSET	TO STATION	OFFSET	FOOT	
Wacker Dr.	100+63.53	28.4' RT	101+14.53	28.4' RT	51	
	100+63.93	65.0' RT	100+63.53	28.4' RT	37	
	100+63.93	65.0' RT	100+79.94	65.0' RT	16	
	100+79.94	65.0' RT	100+79.93	54.0' RT	12	
	100+79.93	54.0' RT	101+15.43	54.0' RT	36	
	101+14.53	28.4' RT	101+14.53	40.4' RT	12	
	101+14.43	56.4' RT	102+32.51	55.9' RT	118	
	101+14.93	36.4' RT	101+39.45	36.4' RT	25	
	101+82.63	36.3' RT	102+32.29	35.9' RT	50	
	102+32.29	35.9' RT	102+32.51	55.9' RT	20	
	TOTAL					380

TEMPORARY CONCRETE BARRIER					
LOCATION	FROM STATION	OFFSET	TO STATION	OFFSET	FOOT
<b>STAGE I</b>					
	365+53.07	1.6' RT	379+39.55	29.4' LT	1,386
	381+66.32	29.1' LT	385+25.77	6.4' RT	359
	371+58.74	9.0' RT	372+40.61	1.1' RT	82
	377+80.00	14.6' RT	378+50.00	13.7' RT	70
	379+22.46	1.67' LT	379+39.22	3.05' LT	16
	381+65.66	1.06' LT	381+78.21	2.07' LT	12
<b>STAGE II</b>					
	372+40.61	21.3' RT	379+71.57	18.4' RT	731
	381+98.34	18.6' RT	385+97.25	5.4' RT	399
	379+58.30	1.25' RT	379+70.70	0.26' RT	12
	381+97.29	2.23' RT	382+13.85	0.86' RT	16
TOTAL:					3,084

RELOCATE TEMPORARY CONCRETE BARRIER					
LOCATION	FROM STATION	OFFSET	TO STATION	OFFSET	FOOT
<b>WINTER LANE CONFIGURATION</b>					
	365+53.07	1.3' RT	372+40.61	2.8' RT	688
<b>STAGE II</b>					
	365+53.07	1.3' RT	372+40.61	21.3' RT	688
TOTAL:					1,375

CONCRETE BARRIER REMOVAL (SPECIAL)					
LOCATION	FROM STATION	OFFSET	TO STATION	OFFSET	FOOT
Congress Prkwy	365+53.07	3.2 RT'	372+40.61	2.8 RT'	688
	377+01.00	CL	377+50.23	CL	49
TOTAL:					737

CONCRETE MEDIAN REMOVAL							
LOCATION	FROM STATION	WIDTH	OFFSET	TO STATION	WIDTH	OFFSET	SO FT
Congress Prkwy	377+67.98	4.75	CL	378+46.48	4.75	CL	373
	383+45.62	4.75	CL	385+72.62	4.75	CL	1,078
TOTAL:							1,451

CHANGEABLE MESSAGE SIGN		
LOCATION	CAL MO	
<b>I-290 EASTBOUND:</b>		
EB I-290 AT WEST OF HOMAN AVE.	14	
EB I-290 AT EAST OF ASHLAND AVE.	14	
<b>I-90/94 WESTBOUND:</b>		
EB I-90/94 AT SOUTH OF CHICAGO AVE.	14	
EB I-90/94 AT NORTH OF MADISON ST.	14	
<b>I-90/94 WESTBOUND:</b>		
WB I-90/94 AT SOUTH OF 35TH ST.	14	
<b>I-55 NORTHBOUND:</b>		
NB I-55 AT EAST OF ASHLAND AVE.	14	
<b>CONGRESS PKWY ALTERNATIVE ROUTES - INBOUND:</b>		
END OF EB SACRAMENTO BLVD. EXIT RAMP	14	
SB SACRAMENTO BLVD. AT FILLMORE ST.	14	
EB ROOSEVELT RD. AT MORGAN ST.	14	
NB SACRAMENTO BLVD. AT JACKSON BLVD.	14	
EB WASHINGTON BLVD. AT 150' EAST OF JEFFERSON ST.	14	
NB LAKE SHORE DR. AT ROOSEVELT RD.	14	
<b>CONGRESS PKWY ALTERNATIVE ROUTES - OUTBOUND:</b>		
WB ROOSEVELT RD. AT JEFFERSON BLVD.	14	
WB ROOSEVELT RD. AT 100' WEST OF CALIFORNIA AVE.	14	
WB ADAMS ST. AT ASHLAND AVE.	14	
<b>VARIOUS LOCATIONS AS DIRECTED BY THE ENGINEER</b>		
	70	
TOTAL:		280

TEMPORARY CONCRETE BARRIER REMOVAL					
LOCATION	FROM STATION	OFFSET	TO STATION	OFFSET	FOOT
Congress Prkw	377+76.20	51.9' LT	378+84.95	57.9' LT	109
<b>STAGE I</b>					
	372+40.61	28.8' LT	379+39.55	29.4' LT	699
	381+66.32	29.1' LT	385+25.77	6.4' RT	359
	371+58.74	9.0' RT	372+40.61	1.1' RT	82
	377+80.00	14.6' RT	378+50.00	13.7' RT	70
<b>STAGE II</b>					
	365+53.07	1.3' RT	379+71.57	18.4' RT	1,419
	381+98.34	18.6' RT	385+97.25	5.4' RT	399
TOTAL:					3,136

TEMPORARY THRIE BEAM STEEL PLATE GUARDRAIL, TYPE D (SPECIAL)					
LOCATION	FROM STATION	OFFSET	TO STATION	OFFSET	FOOT
<b>STAGE I</b>					
	379+39.55	29.7' LT	381+66.32	29.7' LT	227
<b>STAGE II</b>					
	379+71.57	18.9' RT	381+98.34	18.6' RT	227
TOTAL:					454

TEMPORARY THRIE BEAM STEEL PLATE GUARDRAIL, TYPE D REMOVAL (SPECIAL)					
LOCATION	FROM STATION	OFFSET	TO STATION	OFFSET	FOOT
<b>STAGE I</b>					
	379+39.55	29.7' LT	381+66.32	29.7' LT	227
<b>STAGE II</b>					
	379+71.57	18.9' RT	381+98.34	18.6' RT	227
TOTAL:					454

**PB Americas, Inc.**  
 230 WEST MONROE STREET,  
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

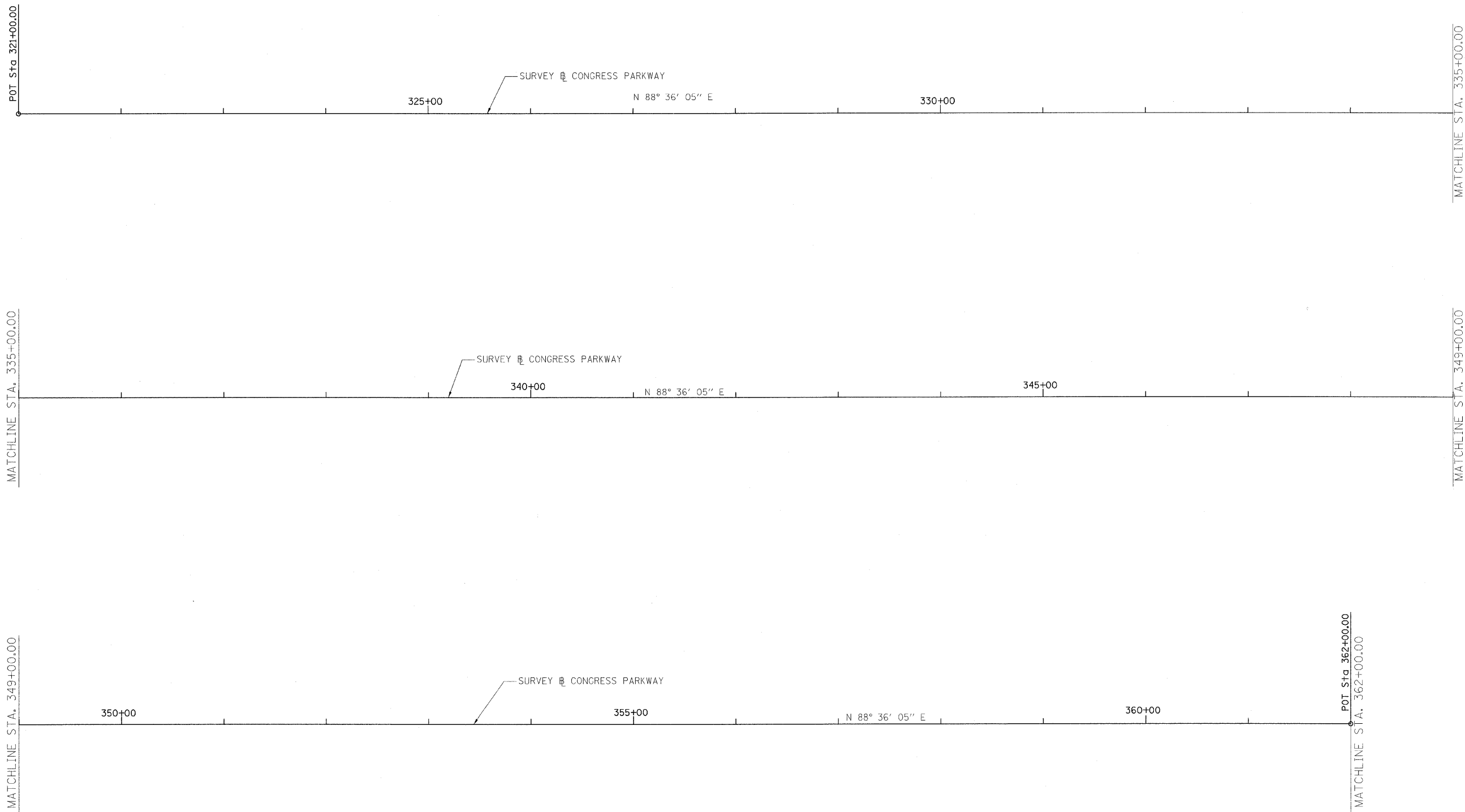
**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER**  
 SCHEDULE OF QUANTITIES

SCALE= NONE	SHEET NO. 18 OF 83 SHEETS	STA. 377+01.00 TO STA. 382+45.28
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	18
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

TEMPORARY INFORMATION SIGNING				
LOCATION	FROM STATION	OFFSET	EACH	SQ FT
<b>STAGE I</b>				
EB Congress	"Congress Pkwy ROAD CONSTRUCTION 5 MILES"			
	11'X5" (Temp. MOT Sign No. 1)	West of Sacramento Blvd.	1	55.0
	"CONSTRUCTION AHEAD"		1	28.0
	14'X2"		1	28.0
	"EXIT ONLY"		2	63.0
	10.5'X3'	Overhead Sign Mounted on Racine Ave. Bridge		
	"EXIT ONLY"		1	31.5
	10.5'X3'		1	31.5
	"EXIT ONLY"		1	36.0
	12'X3'	Overhead Sign Mounted on Peoria St. Bridge		
	"CONSTRUCTION AHEAD"		1	28.0
	14'X2"		1	31.5
	"EXIT ONLY"		1	36.0
	12'X3'		1	9.0
	Blank Panel	34852 Overhead Sign		
	3'X3'		1	18.0
	"Up-Right Arrow"		1	18.0
	6'X3'	35838 Overhead Sign		
	"EMERGENCY PULL OUT 500 FT"		1	16.0
	48"X48"	36410 32' RT		
	"Down Arrow"		1	9.0
	3'X3'	36822 Overhead Sign		
	"EMERGENCY PULL OUT "		1	16.0
	48"X48"	36965 23' RT		
	"Wacker Dr Franklin St 1/4 Mile"		1	27.0
	6'X4.5' (Temp. MOT Sign No. 2)	37195 7' RT		
	"Up-Right Arrow"		1	42.0
	14'X3'	38618 Overhead Sign		
WB Congress	"EMERGENCY PULL OUT "		1	16.0
	48"X48"	37215 42' LT		
	"EMERGENCY PULL OUT 500 FT"		1	16.0
	48"X48"	37709 46' LT		
	"EMERGENCY PULL OUT "		1	16.0
	48"X48"	37896 48' LT		
	"EMERGENCY PULL OUT 500 FT"		1	16.0
	48"X48"	38370 51' LT		
<b>Winter Lane Configuration</b>				
	"NO U TURN"		2	18.0
	36"X36"		2	12.0
	"EXCEPT AUTHORIZED VEHICLES "		2	12.0
	36"X24"	37770 0' LT		
	"STOP HERE ON RED"		2	12.0
	24"X36"	37850 0' LT & 50' LT		
	"NO U TURN"		2	18.0
	36"X36"		2	12.0
	"EXCEPT AUTHORIZED VEHICLES "		2	12.0
	36"X24"	38460 0' LT		
<b>STAGE II</b>				
EB Congress	"EMERGENCY PULL OUT 500 FT"		1	Relocate Stage I
	48"X48"	36475 36' RT		
	"EMERGENCY PULL OUT "		1	Relocate Stage I
	48"X48"	36807 38' RT		
	"EMERGENCY PULL OUT 500 FT"		1	Relocate Stage I
	48"X48"	37200 50' RT		
	Blank Panel	37290 Overhead Sign		
	3'X3'		1	9.0
	"EMERGENCY PULL OUT "		1	Relocate Stage I
	48"X48"	37755 46' RT		
WB Congress	"EMERGENCY PULL OUT "		1	Relocate Stage I
	48"X48"	37214 39' LT		
	"EMERGENCY PULL OUT 500 FT"		1	Relocate Stage I
	48"X48"	37688 29' LT		

TEMPORARY INFORMATION SIGNING (CONT.)				
LOCATION	FROM STATION	OFFSET	EACH	SQ FT
WB Congress	"STOP HERE ON RED"		1	Relocate Stage I
	24"X36"	38280 0' LT		
	"To I-90/94 NEXT EXIT"		1	31.5
	7'X4.5' (Temp. MOT Sign No. 3)	38425 12' LT		
<b>I-90/94 Detour Route &amp; Ramp Closure</b>				
EB I-90/94	"To Congress Pkwy USE Ohio St"		2	117.0
	9'X6.5' (Temp. Detour Sign No. 8)	North of Ogden Ave.		
	Blank Panel	14'X2' (Sign No. EB-1)		28.0
	Overhead Sign at North of Chicago Ave.		1	28.0
	Blank Panel	14'X2' (Sign No. EB-2)		28.0
	Overhead Sign Mounted on Ogden Ave. Bridge		1	28.0
	Blank Panel	14'X2' (Sign No. EB-3)		28.0
	Overhead Sign Mounted on Randolph St. Bridge		1	54.0
	"EXIT ONLY"	18'X3' (Sign No. EB-4)		54.0
	Overhead Sign Mounted on Madison St. Bridge		1	59.5
	"RAMP CLOSED"	17'X3.5' (Sign No. EB-5)		59.5
	"EXIT ONLY"	17'X3.5' (Sign No. EB-5)		59.5
	Overhead Sign Mounted on Monroe St. Bridge		1	59.5
	"RAMP CLOSED"	17'X3.5' (Sign No. EB-6)		59.5
	"Up-Right Arrow"	17'X3.5' (Sign No. EB-6)		59.5
	Overhead Sign Mounted on Adams St. Bridge		1	59.5
	"RAMP CLOSED"	17'X3.5' (Sign No. EB-7)		59.5
	"Up-Right Arrow"	17'X3.5' (Sign No. EB-7)		59.5
	Overhead Sign at North of Jackson Blvd.		1	22.0
	"RAMP CLOSED"	11'X2' (Sign No. EB-8)		22.0
	Overhead Sign On Exit Ramp To Loop & WB I-290		2	67.5
WB I-90/94	"To Congress Pkwy USE I-55"			
	9'X7.5' (Temp. Detour Sign No. 10)	At 31st St.		
	Blank Panel	14'X2' (Sign No. WB-1)		28.0
	Overhead Sign at East of Canal St.		1	28.0
	Blank Panel	14'X2' (Sign No. WB-2)		28.0
	Overhead Sign at North of Canal port St.		1	28.0
	Blank Panel	14'X2' (Sign No. WB-3)		28.0
	Overhead Sign at North of 16th St.		1	28.0
	Blank Panel	14'X2' (Sign No. WB-4)		22.0
	Overhead Sign at North of 14th St.		1	22.0
	"RAMP CLOSED"	11'X2' (Sign No. WB-5)		22.0
	Overhead Sign Mounted on Roosevelt Rd. Bridge		1	22.0
	"RAMP CLOSED"	11'X2' (Sign No. WB-6)		22.0
	Overhead Sign Mounted on Taylor St. Bridge		1	22.0
	"RAMP CLOSED"	11'X2' (Sign No. WB-7)		22.0
	Overhead Sign at North of Polk St.			
<b>Alternate Routes</b>				
Inbound	"Congress Pkwy ALTERNATE ROUTES NEXT RIGHT"		1	60.0
	12'X5' (Alt Sign No. 13)	West of EB Sacramento Exit Ramp		
	"To Congress Pkwy Alternate Routes"		1	56.0
	8'X7' (Alt Sign No. 14)	On EB Sacramento Exit Ramp		
	"Congress Pkwy Alternate Routes"		1	64.0
	8'X8' (Alt Sign No. 15)	On EB Sacramento Exit Ramp		
Outbound	"Congress Pkwy Alternate Routes"		1	80.0
	8'X10' (Alt Sign No. 16)	WB Congress Pkwy at East Michigan Ave.		
<b>Temporary Information Signing</b>				
EB Congress	Temporary Information Signing (Std. TC22)		1	21.3
	68"X45"	EB Congress Pkwy at West of Independence Blvd.		
	Temporary Information Signing (Std. TC22)		1	21.3
	68"X45"	EB Congress Pkwy at West of Racine Ave.		
			TOTAL	1,805



**PB Americas, Inc.**  
 230 WEST MONROE STREET,  
 SUITE 900  
 CHICAGO, IL. 60606

USER NAME = #USER#  
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 PLOT DATE = 5/7/2009

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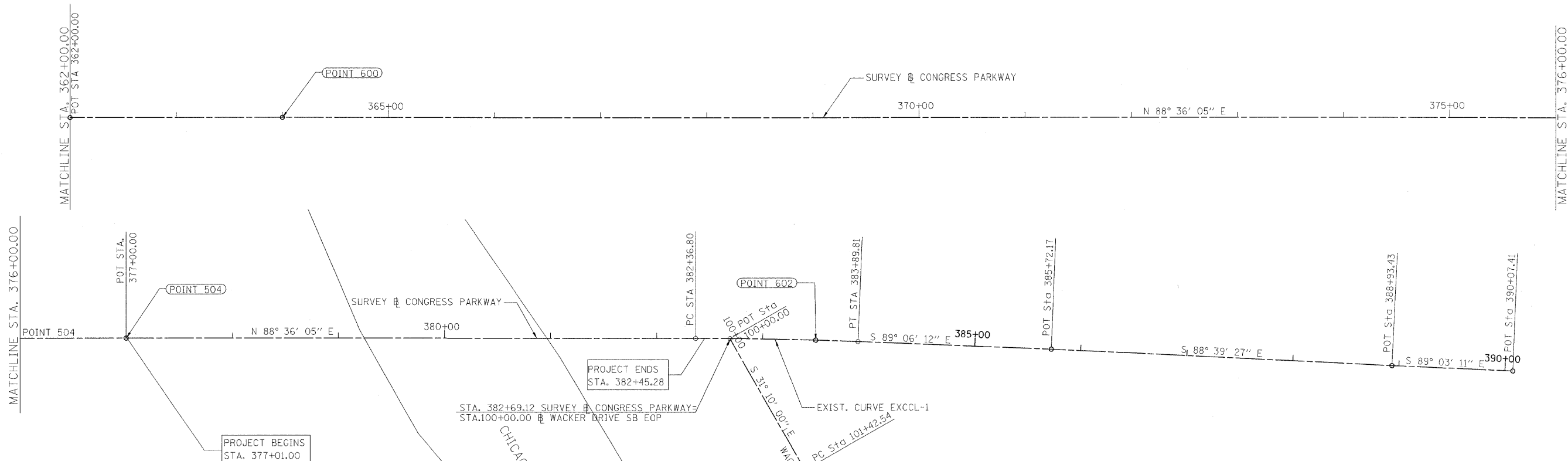
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
 ALIGNMENT, TIES AND BENCHMARKS**

SCALE: 1" = 50' | SHEET NO. 20 OF 83 SHEETS | STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	20
<b>CONTRACT NO. 60D61</b>				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				



CONGRESS PARKWAY			
PI	STA. 383+13.31	N 1898043.888	E 1174221.210
PC	STA. 382+36.80	N 1898042.021	E 1174144.715
PT	STA. 383+89.81	N 1898042.691	E 1174297.717
C.C.		N 1894223.439	E 1174237.938

WARCKER DR			
PI	STA. 101+92.69	N 1897877.793	E 1174276.762
PC	STA. 101+42.54	N 1897920.706	E 1174250.807
PT	STA. 102+42.84	N 1897834.578	E 1174302.209
C.C.		N 1893515.184	E 1166966.873

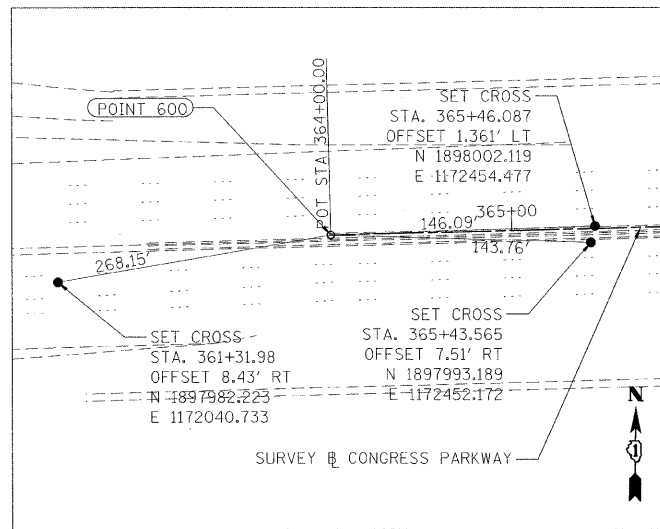
EXIST. CURVE EXCCL-1  
 PI STA. = 383+13.31  
 $\Delta = 2^\circ 17' 43''$  (RT)  
 D = 1° 30' 00"  
 R = 3,819.72'  
 T = 76.52'  
 L = 153.01'  
 E = 0.77'  
 P.C. STA. = 382+36.80  
 P.T. STA. = 383+89.81

EXIST. CURVE WKSBEOP.1  
 PI STA. = 101+92.69  
 $\Delta = 0^\circ 40' 30''$  (RT)  
 D = 0° 40' 23"  
 R = 8,512.60'  
 T = 50.15'  
 L = 100.30'  
 E = 0.15'  
 P.C. STA. = 101+42.54  
 P.T. STA. = 102+42.84

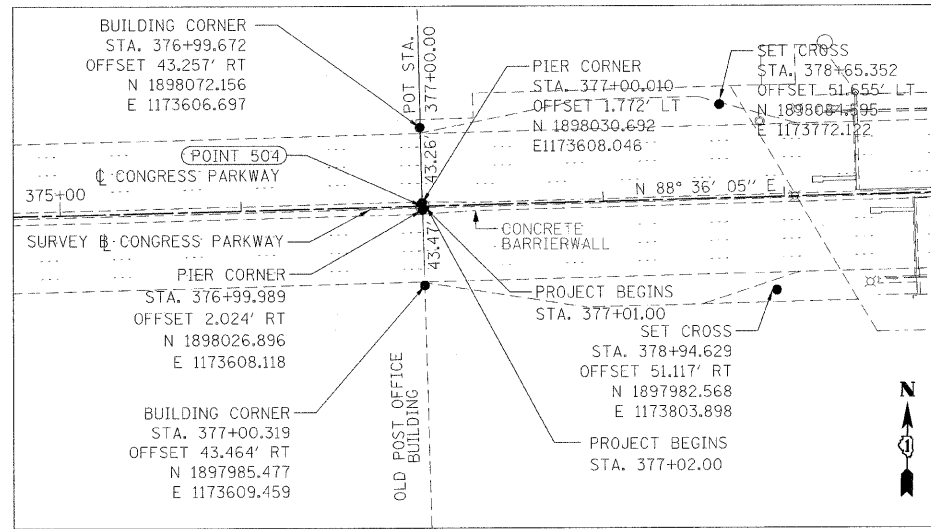
CONGRESS PARKWAY BASELINE TIES				
600	POT	STA. 364+00.00	N 1897997.193	E 1172308.467
504	POT	STA. 377+00.00	N 1898028.920	E 1173608.080
602	POT	STA. 383+50.00	N 1898043.107	E 1174257.910

BENCHMARK DESCRIPTIONS

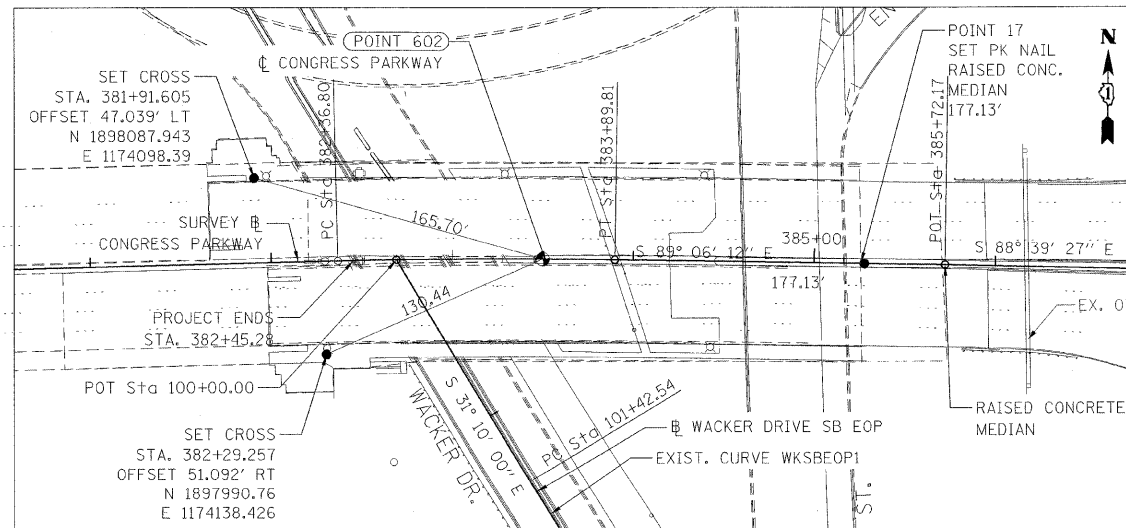
- BENCHMARK 1 BRASS DISK SET IN SIDEWALK ON THE SOUTHERLY SIDE OF HARRISON STREET EAST OF FRANKLIN STREET. ELEV. 17.655
- BENCHMARK 3 BRASS DISK SET IN SIDEWALK NEAR THE NE CORNER OF WELLS STREET AND HARRISON STREET. ELEV. 14.214
- BENCHMARK 2259 "X" CUT ON TOP OF STONE BASE UNDER SOUTH SIDE OF WINDOW ON EAST SIDE OF 2-STORY BRICK BUILDING AT THE NW CORNER OF CLINTON STREET AND POLK STREET. ELEV. 15.173



POINT 600



POINT 504



POINT 602

**PB Americas, Inc.**  
 230 WEST MONROE STREET,  
 SUITE 900  
 CHICAGO, IL. 60606

USER NAME = #USER#  
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 PLOT DATE = 5/7/2009

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 DATE - 5/08/09

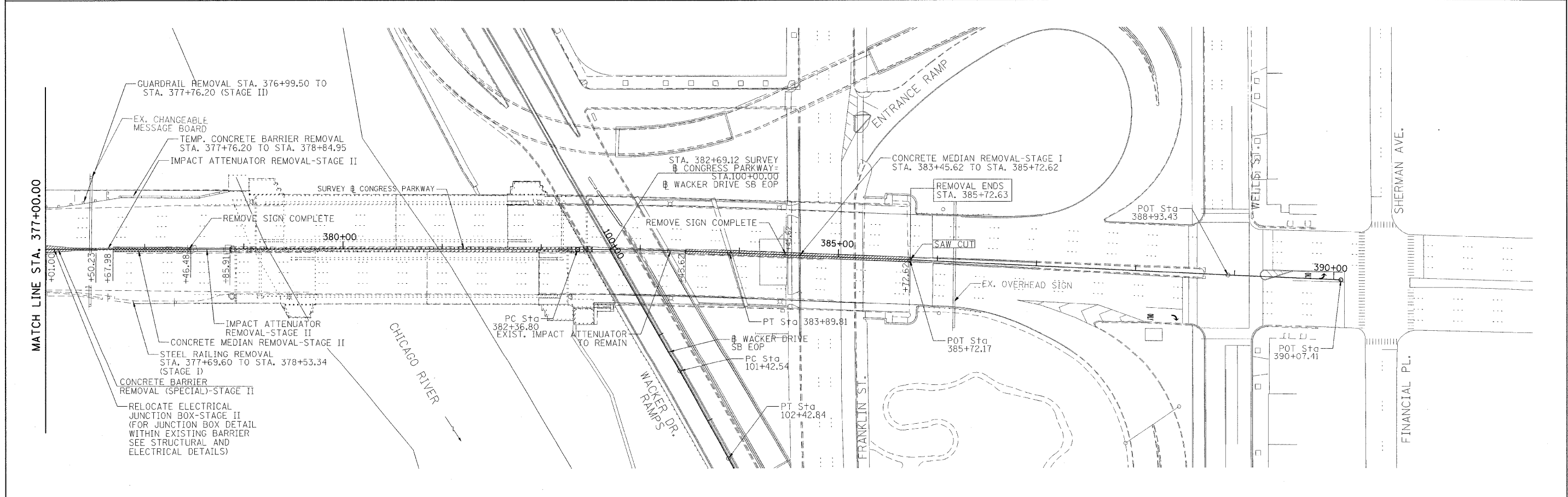
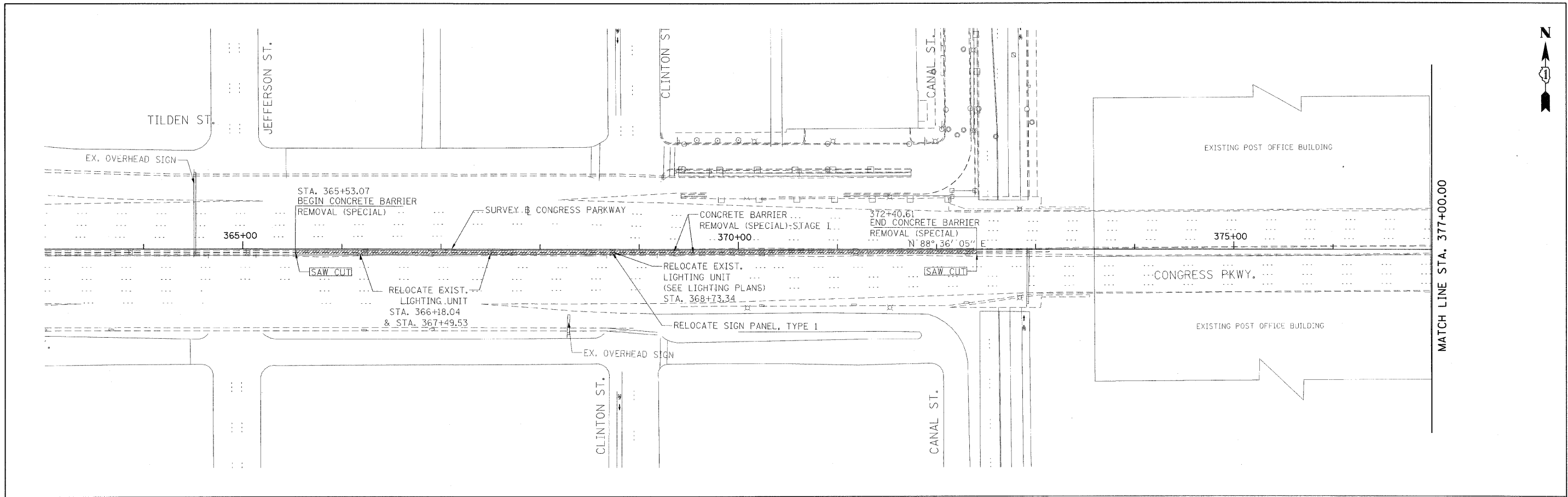
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
 ALIGNMENT, TIES AND BENCHMARKS**

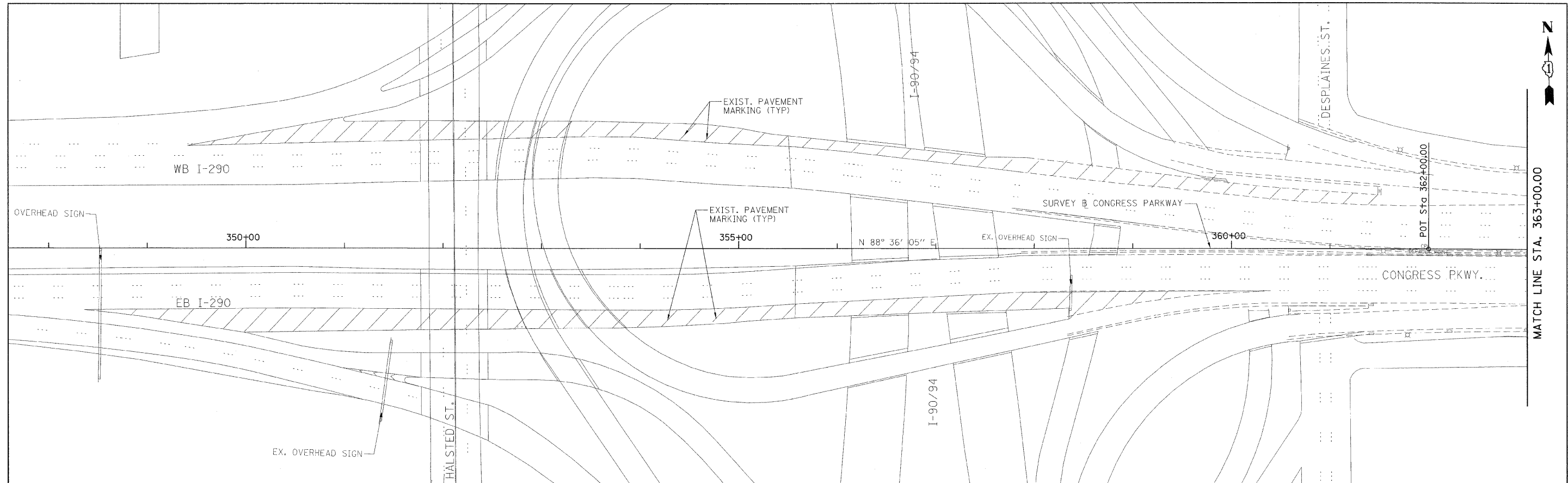
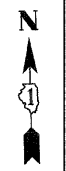
SCALE: 1" = 50' SHEET NO. 22 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	22
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



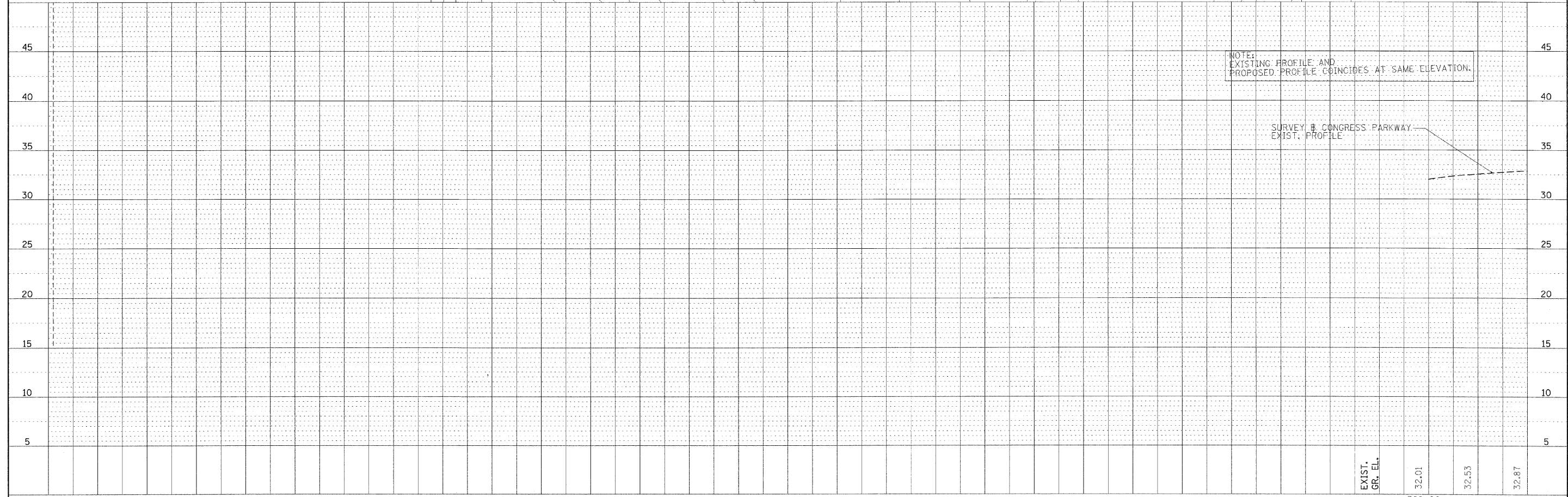
<b>PB Americas, Inc.</b> 230 WEST MONROE STREET, SUITE 900 CHICAGO, IL. 60606	USER NAME = #USER#	DESIGNED - DM	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER</b> <b>EXISTING CONDITION AND REMOVAL PLAN</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILE NAME = #FILENAME#	DRAWN - MS	REVISED -			389	2424-2B-R	COOK	398	23
	PLOT SCALE = #SCALE#	CHECKED - DS	REVISED -			CONTRACT NO. 60D61				
	PLOT DATE = 5/6/2009	DATE - 5/08/09	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
SCALE: 1" = 50'    SHEET NO. 23 OF 83 SHEETS    STA. 377+01.00 TO STA. 382+45.28										





PLAN	SUBMITTED	DATE
NOTE BOOK	PLOTTED	BY
NO.	REVISED	
	CAD FILE NAME	

PROFILE	SUBMITTED	DATE
NOTE BOOK	PLOTTED	BY
NO.	REVISED	
	STRUCTURE NOTATIONS SHEET	



EXIST. GR. EL.	32.01	32.53	32.87
	362+00		363+00

**PB Americas, Inc.**  
 230 WEST MONROE STREET,  
 SUITE 900  
 CHICAGO, IL. 60606

USER NAME = #USER#	DESIGNED - DM	REVISED -
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PLOT DATE = 5/7/2009	DATE - 5/08/09	REVISED -

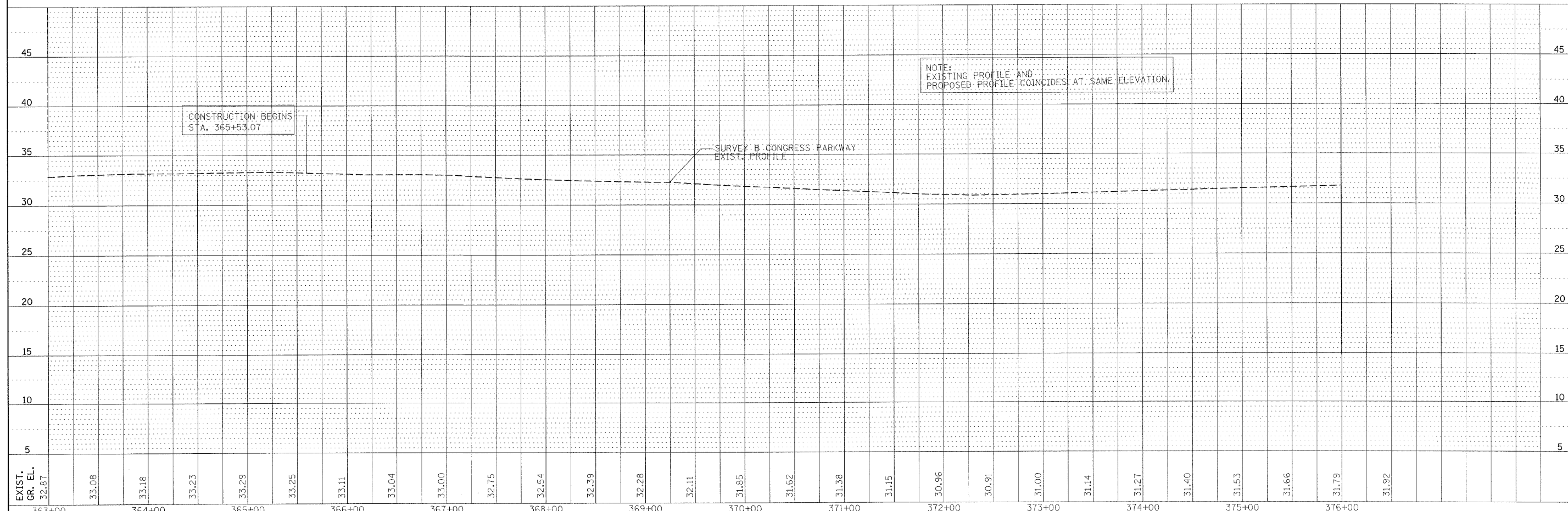
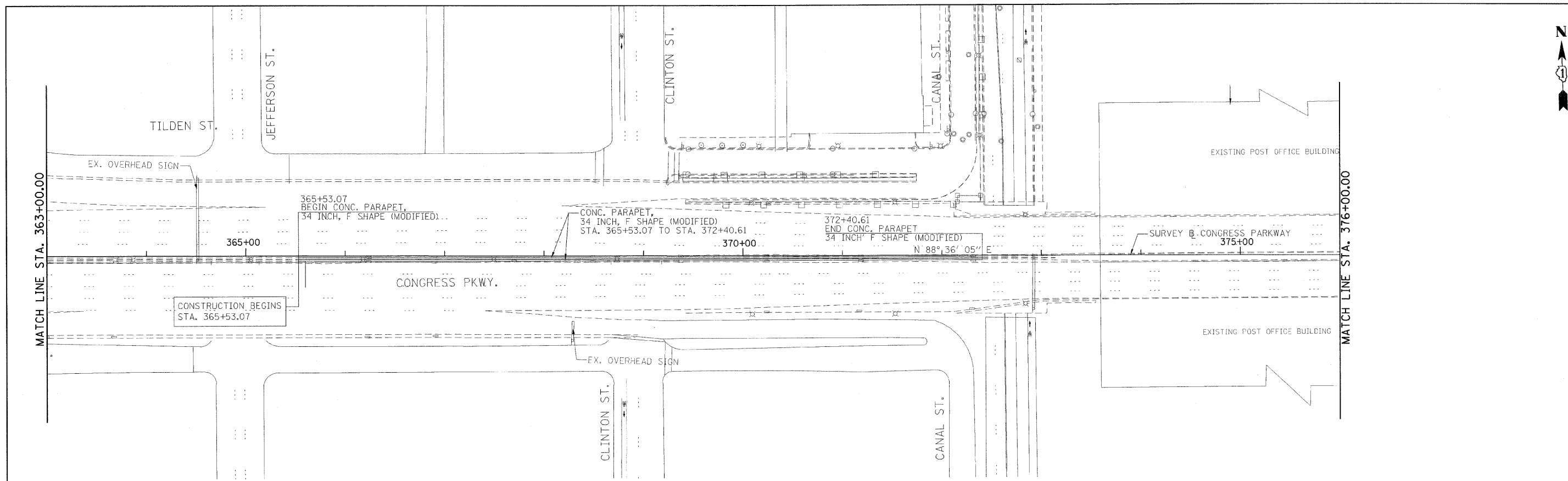
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER**  
**CONGRESS PARKWAY PLAN AND PROFILE**  
 SCALE: H: 1"=50', V: 1"=5' | SHEET NO. 24 OF 83 SHEETS | STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	24
CONTRACT NO. 60D61			FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
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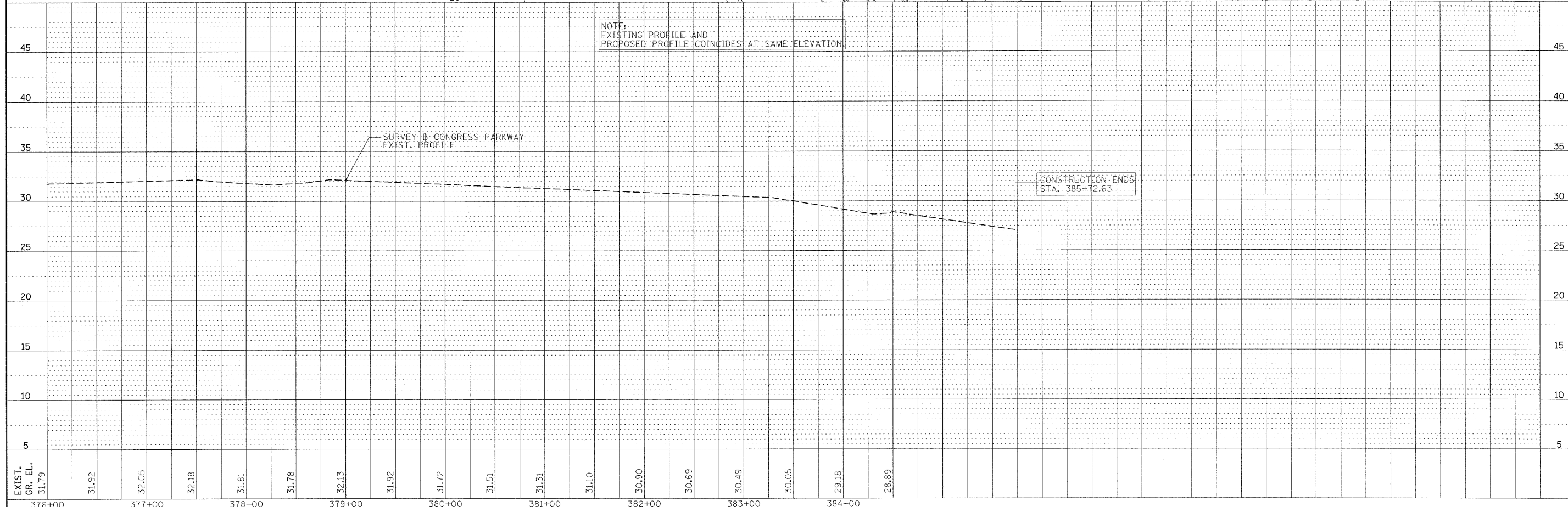
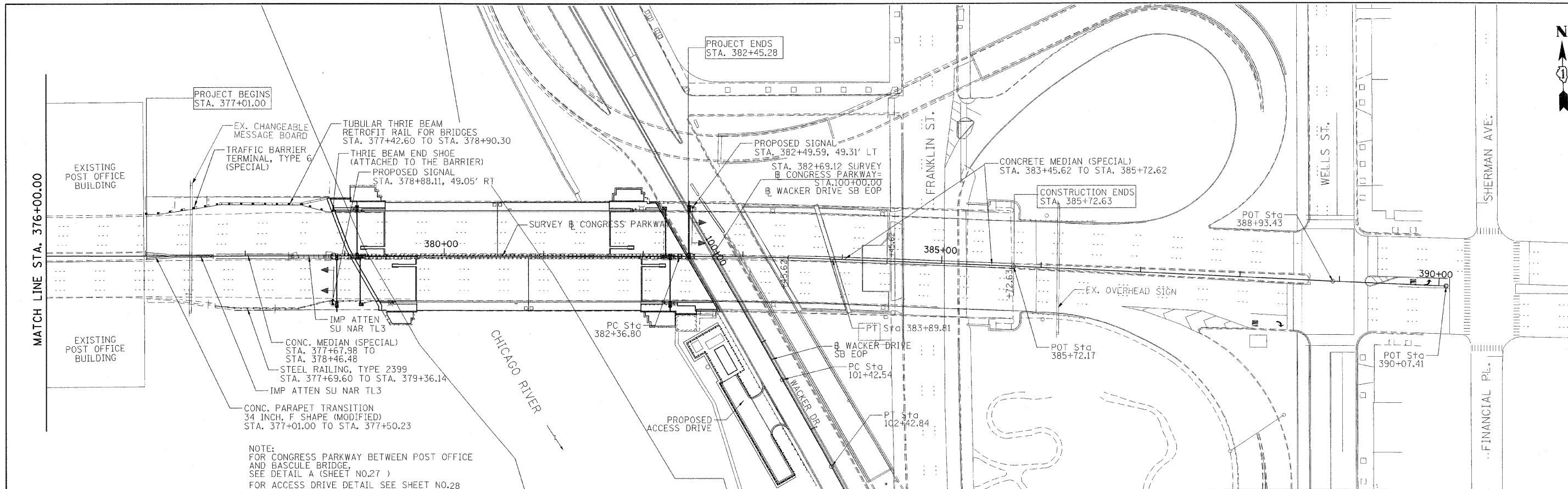
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	DATE	

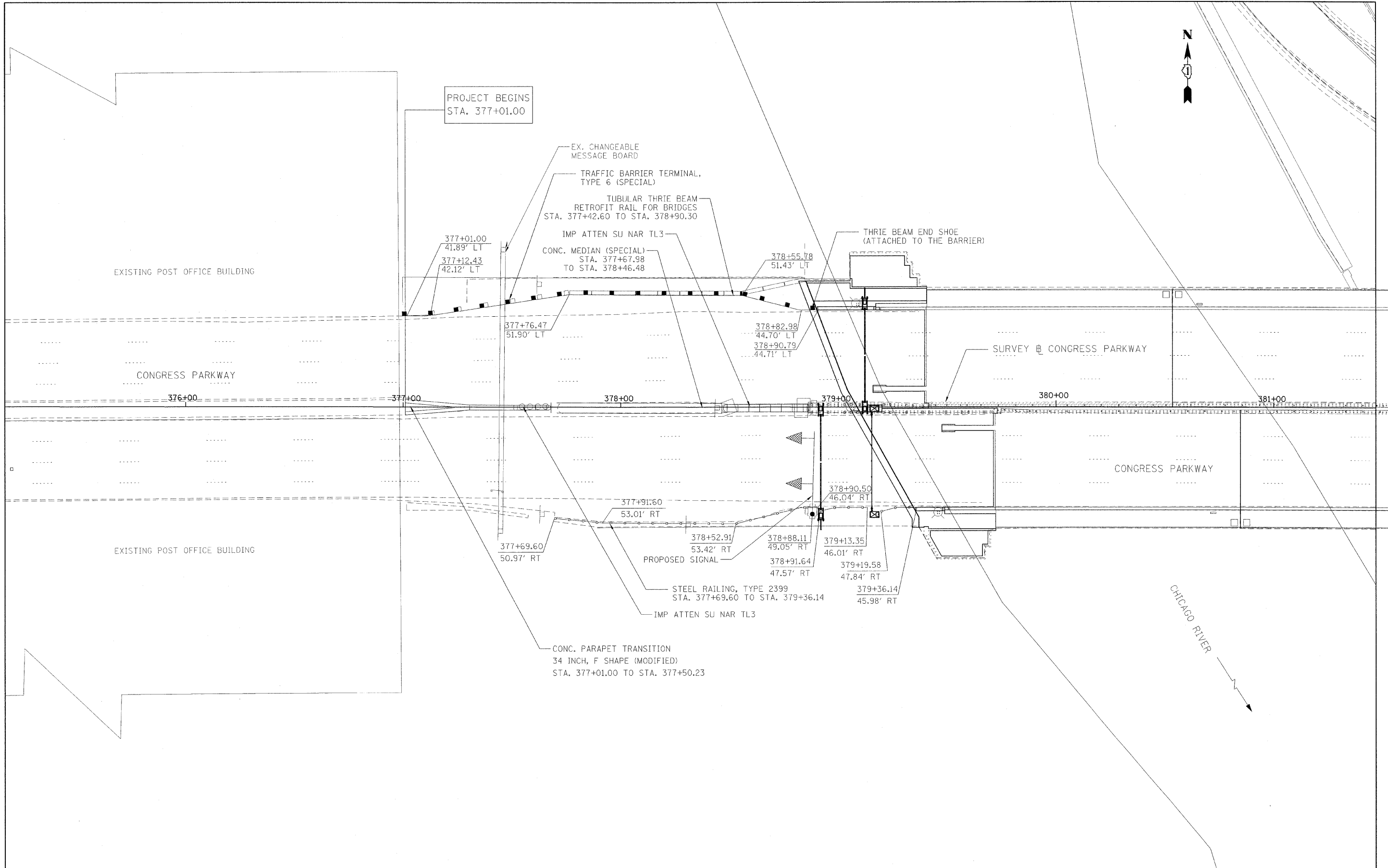
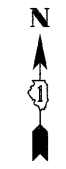


<b>PB Americas, Inc.</b> 230 WEST MONROE STREET, SUITE 900 CHICAGO, IL. 60606	USER NAME = #USER#	DESIGNED - DM	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER</b> <b>CONGRESS PARKWAY PLAN AND PROFILE</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 5/6/2009	DATE - 5/08/09	REVISED -			FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	REVISION		
	NO. OF WAYS CHECKED		
	CADD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	REVISION		
	NO. OF WAYS CHECKED		
	STRUCTURE NOTATION GRID		
	NO.		





**PB Americas, Inc.**  
 230 WEST MONROE STREET,  
 SUITE 900  
 CHICAGO, IL. 60606

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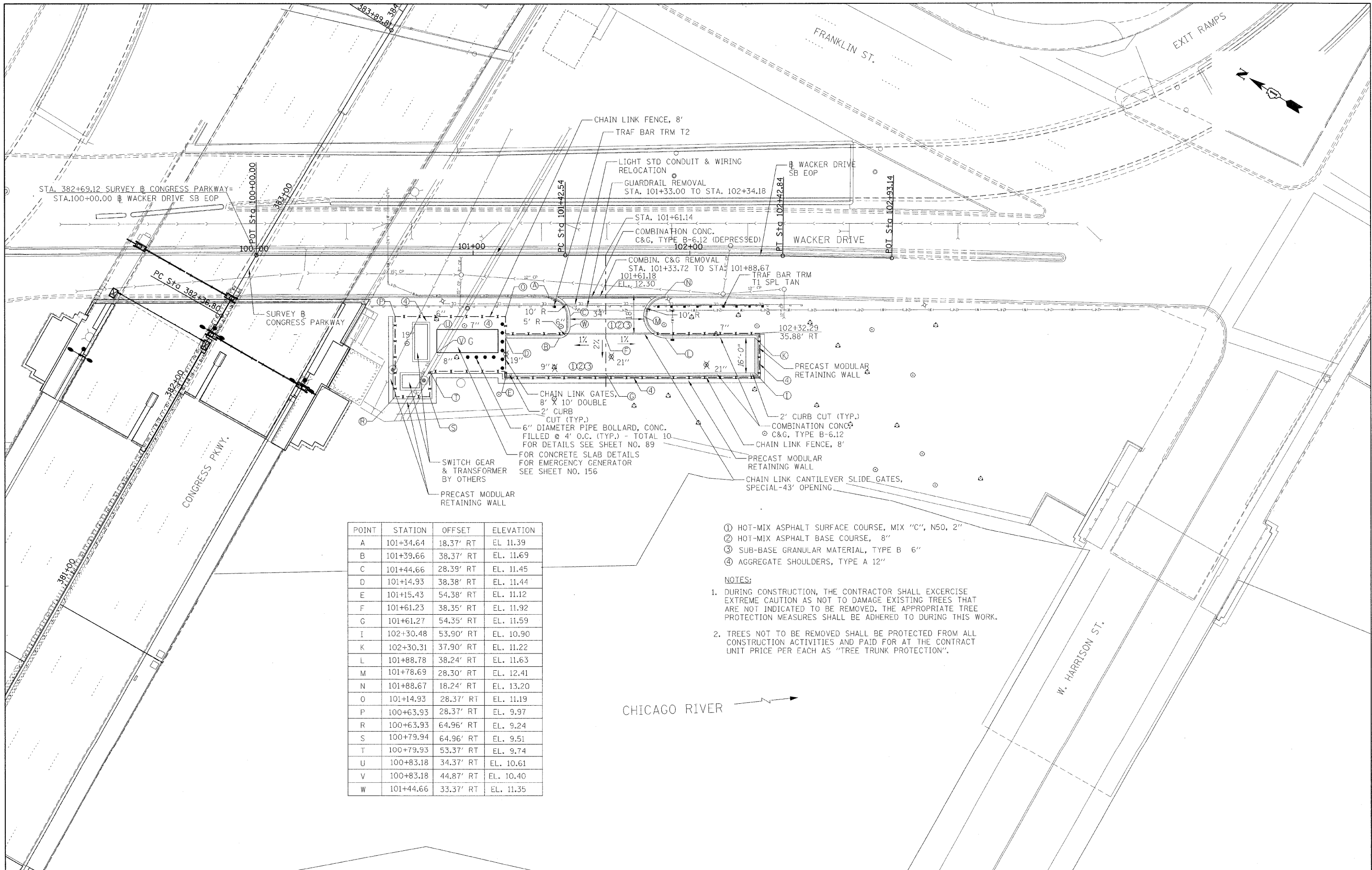
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
 DETAIL A - BETWEEN POST OFFICE AND BASCULE BRIDGE**

SCALE: 1" = 20' SHEET NO. 27 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	27
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



POINT	STATION	OFFSET	ELEVATION
A	101+34.64	18.37' RT	EL. 11.39
B	101+39.66	38.37' RT	EL. 11.69
C	101+44.66	28.39' RT	EL. 11.45
D	101+14.93	38.38' RT	EL. 11.44
E	101+15.43	54.38' RT	EL. 11.12
F	101+61.23	38.35' RT	EL. 11.92
G	101+61.27	54.35' RT	EL. 11.59
I	102+30.48	53.90' RT	EL. 10.90
K	102+30.31	37.90' RT	EL. 11.22
L	101+88.78	38.24' RT	EL. 11.63
M	101+78.69	28.30' RT	EL. 12.41
N	101+88.67	18.24' RT	EL. 13.20
O	101+14.93	28.37' RT	EL. 11.19
P	100+63.93	28.37' RT	EL. 9.97
R	100+63.93	64.96' RT	EL. 9.24
S	100+79.94	64.96' RT	EL. 9.51
T	100+79.93	53.37' RT	EL. 9.74
U	100+83.18	34.37' RT	EL. 10.61
V	100+83.18	44.87' RT	EL. 10.40
W	101+44.66	33.37' RT	EL. 11.35

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"
- ② HOT-MIX ASPHALT BASE COURSE, 8"
- ③ SUB-BASE GRANULAR MATERIAL, TYPE B 6"
- ④ AGGREGATE SHOULDERS, TYPE A 12"

**NOTES:**

1. DURING CONSTRUCTION, THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION AS NOT TO DAMAGE EXISTING TREES THAT ARE NOT INDICATED TO BE REMOVED. THE APPROPRIATE TREE PROTECTION MEASURES SHALL BE ADHERED TO DURING THIS WORK.
2. TREES NOT TO BE REMOVED SHALL BE PROTECTED FROM ALL CONSTRUCTION ACTIVITIES AND PAID FOR AT THE CONTRACT UNIT PRICE PER EACH AS "TREE TRUNK PROTECTION".

**PB Americas, Inc.**  
 230 WEST MONROE STREET,  
 SUITE 900  
 CHICAGO, IL. 60606

USER NAME = #USER#  
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 PLOT DATE = 5/7/2009

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
 GENERATOR ACCESS DRIVE PLAN**  
 SCALE: 1" = 20' SHEET NO. 28 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	28

CONTRACT NO. 60D61  
 FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

## SUGGESTED STAGES OF CONSTRUCTION

### STAGE I SEQUENCING (CLOSE EB STRUCTURE FOR REHABILITATION)

1. INSTALL SIGNING AND CHANGEABLE MESSAGE SIGNS ALONG EB I-290 WEST OF I-90/94 OF IMPENDING CONGRESS PARKWAY CONSTRUCTION OR AS DIRECTED BY THE ENGINEER.
2. INSTALL DETOUR SIGNING FOR EB & WB I-90/94 TO EB CONGRESS PARKWAY AND CLOSE BOTH RAMPS TO EB CONGRESS PARKWAY FROM I-90/94.
3. FOR CONCRETE BARRIER WALL REMOVAL WEST OF POST OFFICE SET UP TRAFFIC CONTROL ALONG EB AND WB CONGRESS PARKWAY, CLOSE INSIDE LANE IN EACH DIRECTION AND REMOVE EXISTING MEDIAN BARRIER WALL/LIGHTING AND RELOCATE ELECTRICAL CONDUIT AND WIRING AS SHOWN IN THE PLANS. THE TEMPORARY CONCRETE BARRIER (TCB) WILL BE PLACED IN THE GAP, UNANCHORED, WHICH WILL REQUIRE THE LANES ADJACENT TO THE TCB REMAIN CLOSED UNTIL THE STAGE I TRAFFIC CONTROL PLAN IS SET-UP. IN THE DIRECTION OF TRAVEL THE TCB WILL OVERLAP THE BLUNT ENDS OF THE EXISTING BARRIER WALL.
4. EAST OF THE BASCULE BRIDGE, AS PART OF #3 ABOVE OR SEPARATELY, REMOVE THE MOUNTABLE AND RAISED CURB MEDIAN AS SHOWN ON THE PLANS.
5. INSTALL DETOUR ROUTE SIGNING FOR WACKER DRIVE/FRANKLIN STREET AND CLOSE SB LOWER WACKER DRIVE RAMP TO WB CONGRESS PARKWAY AND FRANKLIN STREET RAMP TO WB CONGRESS PARKWAY INCLUDING RAMP CLOSURES FROM UPPER WACKER DRIVE AT MONROE STREET AND ADAMS STREET TO SB LOWER WACKER DRIVE AS SHOWN ON THE PLANS. ALSO INSTALL ALTERNATE ROUTE SIGNING AND PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS).
6. FOR TRAFFIC APPROACHING WB CONGRESS PARKWAY BASCULE BRIDGE SET UP TRAFFIC CONTROL AND INSTALL STAGE I THRIE BEAM GUARDRAIL ON WB BASCULE BRIDGE STRUCTURE AND TEMPORARY CONCRETE BARRIERS TO THE WEST FACE OF THE POST OFFICE. PRIOR TO SHIFTING THE EB TRAFFIC ONTO THE WB STRUCTURE, SHIFT WB TRAFFIC TO THE INSIDE LANES ON THE WB STRUCTURE (USE 10' MIN. LANES).
7. SHIFT OUTBOUND/WB TRAFFIC TO THE OUTSIDE SINGLE LANE STAGE I CONFIGURATION LOCATION. SHIFT EB/INBOUND TRAFFIC WEST OF THE POST OFFICE TO THE EXISTING TWO OUTERMOST LANES, ONE LANE WILL UTILIZE THE AUXILIARY/ADD-LANE BEGINNING AT THE I-90/94 EB ENTRANCE RAMP WHICH IS CLOSED. CONTINUE EB TRAFFIC ALONG EXISTING OUTSIDE TWO LANES AND END AT WEST POST OFFICE FACE WHERE THE WORK ZONE/LANE RESTRICTIONS WILL END INBOUND.
8. RECONFIGURE THE TEMPORARY CONCRETE BARRIER TO THE STAGE I EB/INBOUND TRAFFIC CONTROL CONFIGURATION INCLUDING TEMPORARY LIGHTING, PAVEMENT MARKING, SIGNING AND EMERGENCY PULL-OUT AREAS TO EAST OF THE BASCULE BRIDGE AS SHOWN ON THE PLANS.
9. SHIFT EB/INBOUND CONGRESS PARKWAY TRAFFIC TO THE WB PAVEMENT AND INITIATE A NIGHT CLOSURE OF THE CANAL STREET RAMP UNTIL THE OUTSIDE LANES FROM I-290/I-90/90 RAMPS TO CANAL STREET RAMP ARE SIGNED, STRIPED / DELINEATED AND SIGNED TO MATCH THE STAGE I LAYOUT AS SHOWN ON THE PLANS.
10. PROVIDE EASTBOUND BASCULE BRIDGE DECK REHABILITATION AND OTHER ASSOCIATED STAGE I CONSTRUCTION.

#### STAGE I NOTES:

1. AT THE BASCULE BRIDGE, WEST SIDE, THE SIGNAL IN THE MEDIAN PRESENTLY USED FOR VEHICLES ON THE EB STRUCTURE, WHICH WILL BE CLOSED FOR REHAB, WILL BE RETAINED IN STAGE I AND USED FOR EB TRAFFIC SHIFTED TO THE WB BRIDGE. A STOP LINE WILL NEED TO BE PROVIDED AT THE SUBJECT SIGNAL.
2. ON THE WB BASCULE BRIDGE, EAST & WEST SIDE, THE GATES LOCATED IN THE MEDIAN AND OUTSIDE EDGES OF PAVEMENT SHALL NOT BE REMOVED AND REMAIN FUNCTIONAL. THE TEMPORARY CONCRETE BARRIER BETWEEN THE EB AND WB LANES WILL BE MODIFIED AS NECESSARY TO ALLOW THE GATES TO FULLY CLOSE.
3. FOR THE WB BASCULE BRIDGE, EAST SIDE, THE BARRIER GATE SYSTEM FOR THE WESTBOUND BRIDGE SHALL NOT BE REMOVED AND REMAIN FUNCTIONAL. THE BARRIER WALL WILL BE GAPPED TO ALLOW THE BARRIER GATE TO FULLY LOWER.
4. ON THE WEST SIDE OF THE POST OFFICE THE DRAW BRIDGE WARNING SIGNALS AND SIGNS AT THE MEDIAN SIDE OF THE TRUSS SHALL NOT BE REMOVED AND WILL REMAIN FUNCTIONAL FOR EB TRAFFIC SHIFTED TO THE WB LANES.

### WINTER LANE CONFIGURATION:

1. ALL SIGNING, PAVEMENT MARKINGS, RAMPS AND OTHER FEATURES WILL BE ADJUSTED AS SHOWN ON THE WINTER LANE CONFIGURATION PLAN.
2. WEST OF THE POST OFFICE THE TEMPORARY CONCRETE BARRIER WILL BE PLACED AND ANCHORED IN THE EXISTING MEDIAN AREA WITH TEMPORARY LIGHTING.
3. THE MEDIAN CURB REMOVAL AREA EAST OF THE BASCULE BRIDGE WILL BE DELINEATED WITH EPOXY PAINT.
4. SHIFT ALL TRAFFIC TO THE WINTER LANE CONFIGURATION.

### STAGE II SEQUENCING (CLOSE WB STRUCTURE FOR REHABILITATION)

1. INSTALL SIGNING AND PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) ALONG EB I-290 WEST OF I-90/94 OF IMPENDING CONGRESS PARKWAY CONSTRUCTION.
2. INSTALL DETOUR SIGNING FOR EB & WB I-90/94 TO EB CONGRESS PARKWAY AND CLOSE RAMPS TO EB CONGRESS PARKWAY FROM I-90/94. ALSO PROVIDE ALTERNATE ROUTE SIGNING AND PCMS.
3. FOR WB/OUTBOUND CONGRESS PARKWAY CLOSE INSIDE LANE (ADJACENT TO MEDIAN) FROM WELLS STREET TO I-90/94 RAMPS (THREE LANES OUTBOUND). FOR EB/INBOUND SHIFT TRAFFIC TO THE TWO EXISTING OUTERMOST LANES AND CONTINUE TWO EB LANES ALONG THE OUTSIDE BEYOND THE BASCULE BRIDGE WHERE LANE RESTRICTIONS WILL END, USE MINIMUM 10 FEET WIDE LANES.
4. FROM WEST PROJECT LIMIT RELOCATE TEMPORARY CONCRETE MEDIAN TO TCP STAGE II LOCATION INCLUDING TEMPORARY LIGHTING, THRIE BEAM ON BASCULE AND AT THE EAST FACE OF POST OFFICE REMOVE BARRIER WALL/MEDIAN / ATTENUATOR / RELOCATE ELECTRICAL JUNCTION BOX AND PROVIDE ATTENUATOR, ALSO REMOVE ATTENUATOR AS SHOWN ON THE PLANS.
5. INSTALL SIGNING FOR WACKER DRIVE/FRANKLIN STREET DETOUR ROUTES AND CLOSE SB LOWER WACKER DRIVE RAMP TO WB CONGRESS PARKWAY AND FRANKLIN STREET RAMP TO WB CONGRESS PARKWAY INCLUDING RAMP CLOSURES FROM MONROE STREET AND ADAMS STREET FROM UPPER WACKER DRIVE TO SB LOWER WACKER DRIVE.
6. COMPLETE REMAINING EB CONGRESS PARKWAY STAGE II SIGNING AND PAVEMENT MARKINGS FROM WEST OF I-290 / I-90/94 RAMPS INCLUDING PAVEMENT MARKINGS, SIGNING, ARROW BOARDS, PCMS AND INBOUND LANE WIDTHS AS INDICATED ON STAGE II PLAN.
7. FOR WB CONGRESS PARKWAY TRAFFIC PROVIDE TRAFFIC CONTROL PAVEMENT MARKINGS, SIGNS, IMPACT ATTENUATOR AT POST OFFICE FACE, FROM WELLS STREET TO POST OFFICE (EXCEPT SIGNAGE FOR WB MEDIAN CROSS-OVER LANE PRIOR TO POST OFFICE) AND SHIFT WB TRAFFIC TO EB BASCULE STRUCTURE/TRAFFIC LANES, ONE LANE OUTBOUND AND TWO LANES INBOUND AS SHOWN ON THE TCP STAGE II PLANS.
8. WHEN WB TRAFFIC IS SHIFTED TO THE EB TRAFFIC LANES BEGIN CONFIGURING WB CONGRESS PARKWAY MEDIAN CROSS-OVER LANE FROM THE BASCULE BRIDGE TO WEST OF THE POST OFFICE INCLUDING PAVEMENT MARKING, SIGNING, BARRICADES, EMERGENCY PULL-OUTS AND OPEN TO WB TRAFFIC.
9. PROVIDE WESTBOUND BASCULE BRIDGE DECK REHABILITATION AND OTHER ASSOCIATED STAGE II CONSTRUCTION.

### STAGE IIA SEQUENCING

1. INSTALL PERMANENT PAVEMENT MARKINGS AND SIGNING AS SHOWN ON THE PLANS.
2. USING STANDARDS 701400 AND 701401 FOR ONE INSIDE LANE CLOSURE SHIFT TRAFFIC TO NEW LANES AND PERFORM THE FOLLOWING OPERATIONS:
  - A. CONSTRUCT PROPOSED CONCRETE PARAPET AND CONCRETE MEDIANS AS SHOWN ON THE PLANS.
  - B. INSTALL PROPOSED IMPACT ATTENUATORS AS SHOWN ON THE PLANS.
  - C. INSTALL PROPOSED LIGHTING, JUNCTION BOXES, ETC. AS INDICATED ON THE PLANS.
  - D. OPEN ALL LANES TO TRAFFIC.

### STAGE II NOTES:

1. EAST SIDE OF WB BASCULE BRIDGE, THE SIGNAL IN THE MEDIAN FOR WB TRAFFIC SHALL NOT BE REMOVED DURING STAGE I SINCE IT WILL BE NEEDED TO ALERT WB TRAFFIC OF BRIDGE RAISINGS. A SIGN INDICATING \*STOP HERE ON RED\* AND A STOP LINE WILL BE PROVIDED AT THE SUBJECT SIGNAL.
2. ON THE EB BASCULE BRIDGE THE SWING GATE ON THE EAST SIDE SHALL BE REPLACED DURING STAGE I REHAB AND WILL BE USED TO STOP WB CONGRESS PARKWAY TRAFFIC. THE TEMPORARY CONCRETE BARRIER BETWEEN THE EB AND WB LANES WILL BE MODIFIED AS NECESSARY TO ALLOW THE GATE TO FULLY CLOSE.
3. WEST SIDE OF THE EB BASCULE BRIDGE, ALONG THE SIDEWALK, THE GATE AND SIGNAL SHALL BE REPLACED DURING STAGE I AND WILL BE USED TO CONTROL EB TRAFFIC DURING BRIDGE RAISING.
4. THE VEHICLE ARRESTING SYSTEM FOR THE EASTBOUND BRIDGE WILL HAVE BEEN REPLACED IN STAGE I. THE TCB WILL BE GAPPED TO ALLOW THE BARRIER GATE TO FULLY LOWER.
5. ON THE WEST SIDE OF THE POST OFFICE ALONG EB CONGRESS PARKWAY THE DRAW BRIDGE SIGNING AND FLASHERS ALONG THE OUTSIDE SHOULDER WILL HAVE BEEN REPLACED IN STAGE I AND WILL BE USED TO ALERT EB MOTORIST OF DRAW BRIDGE RAISING.

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL -  
GENERAL NOTES**

SCALE: SHEET NO. 29 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	29
<b>CONTRACT NO. 60D61</b>				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

## TRAFFIC CONTROL GENERAL NOTES

1. CHANGEABLE MESSAGE SIGN BOARDS SHALL BE INSTALLED TWO WEEKS PRIOR TO THE START OF CONSTRUCTION ALONG CONGRESS PARKWAY/I-290, I-90/94 AS SHOWN ON THE PLANS IDENTIFYING THE BEGINNING DATES OF CONSTRUCTION AND ADDITIONAL INFORMATION SOURCES AS DIRECTED BY THE ENGINEER.
2. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL IDENTIFY AND SUBMIT CONSTRUCTION ENTRANCE LOCATIONS TO THE ENGINEER FOR REVIEW AND APPROVAL. THE REQUIRED CONSTRUCTION ENTRANCE INFORMATION SHALL INCLUDE PURPOSE, DURATIONS AND VEHICLE TYPE USAGE.
3. TEMPORARY CONCRETE BARRIER THROUGHOUT THE TRAFFIC CONTROL LIMITS SHALL BE ANCHORED TO THE BRIDGE DECK / PAVEMENT AT ALL LOCATIONS WHERE A 3 FEET OFFSET FROM THE EDGE OF PAVEMENT CANNOT BE PROVIDED ADJACENT TO THE BARRIER OF OPPOSING DIRECTIONS OF TRAVEL, THIS INCLUDES STAGE I, II AND WINTER LANE CONFIGURATION. THESE LOCATIONS ARE INDICATED ON THE PLAN SHEETS. ANCHORING TCB TO THE DECK AND FILLING HOLES WITH EPOXY GROUT AFTER TCB ARE REMOVED/RELOCATED SHALL BE INCLUDED IN THE COST FOR TEMPORARY CONCRETE BARRIER.
4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION STAGING AND TRAFFIC CONTROL OPERATIONS WITH THE ADJACENT CDOT CONSTRUCTION CONTRACTS NO. E-0-056 AND S-3-108 AS STIPULATED IN THE ADJACENT CONTRACT COORDINATION SPECIAL PROVISION. TRAFFIC CONTROL AND OTHER CONSTRUCTION OPERATIONS BETWEEN THESE CONTRACTS SHALL BE COORDINATED THROUGHOUT THE DURATION OF THE PROJECT IN ORDER TO PROVIDE EFFICIENT AND SAFE TRAFFIC CONTROL TRANSITIONS. THE COST OF ADJUSTMENTS TO TRAFFIC CONTROL WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
5. FOR CONSTRUCTION WORK WEST OF THE POST OFFICE THAT AFFECTS THE OPERATION AND OR ACCESS OF THE PARKING LOTS BELOW THE BRIDGE, THE CONTRACTOR SHALL CONTACT AND COORDINATE THE RESPECTIVE WORK WITH THE PARKING LOT OWNERS. THE COORDINATION, ALONG WITH THE TRAFFIC CONTROL NEEDED TO MAINTAIN ACCESS TO THE PARKING LOTS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
6. THE CONTRACTOR SHALL PROVIDE TEMPORARY LIGHTING IN THE MEDIAN DURING STAGE I, STAGE II AND WINTER LANE CONFIGURATION (SEE LIGHTING PLANS) AND REPLACE WITH PERMANENT LIGHTING WHEN CONSTRUCTION IS COMPLETED AS SHOWN IN THE PLANS.
7. AT THE CONCLUSION OF STAGE I CONSTRUCTION THE CONTRACTOR SHALL REMOVE ALL CONSTRUCTION/TEMPORARY SIGNS, COVERED SIGNS, REPLACE REMOVED SIGNS AND RE-STRIPE THE INBOUND AND OUTBOUND LANES, SHOULDERS AND RAMPS WITH EPOXY PAINT TO THE SATISFACTION OF THE ENGINEER. AT THE BEGINNING OF STAGE II THE CONTRACTOR WILL REMOVE THE EPOXY PAVEMENT MARKING THAT CONFLICT WITH STAGE II MARKINGS. THE REMOVAL SHALL BE PAID FOR THE CONTRACT UNIT PRICE PER LINEAL FOOT FOR PAVEMENT MARKING REMOVAL.
8. DURING STAGE I & II, THE CONTRACTOR SHALL COMPLETE ALL GUARDRAIL WORK ON THE ADJACENT STRUCTURE NO. 016-0460 CONCURRENTLY WITH THE CORRESPONDING STAGE I AND II MOVABLE BRIDGE REHABILITATION AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
9. ANY IMPACT ATTENUATOR REMOVED AND REPLACED WITH A NEW IMPACT ATTENUATOR WILL BECOME THE PROPERTY OF THE STATE AND BE DELIVERED TO THE DISTRICT. THIS WORK WILL BE PAID FOR AS PART OF THE CONTRACT COST FOR IMPACT ATTENUATOR REMOVAL.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ANY TEMPORARY SIGNING IN ORDER TO AVOID UNDESIRABLE VISIBILITY CONSTRAINTS OR OTHER FIELD CONDITIONS AS APPROVED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
11. COVERING / BAGGING OF EXISTING SIGNS SHALL NOT BE DONE WITH TARPS.
12. EXISTING DRAINAGE STRUCTURE LIDS AND GRATES IMPACTED BY STAGED TRAFFIC PATTERNS SHALL BE SECURED IN A MANNER THAT MEETS WITH THE SATISFACTION OF THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE CONTRACT COST FOR TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
13. EMERGENCY PULL-OUTS SHALL BE PROVIDED BY THE CONTRACTOR AS SHOWN IN THE PLANS. THE PULL-OUTS WILL CONSIST OF EXISTING PAVEMENT WITH TEMPORARY SIGNING AND PAVEMENT MARKING. THE EMERGENCY PULL-OUT AND THE TEMPORARY TRAFFIC CONTROL ITEMS ASSOCIATED WITH ITS USE SHALL BE MAINTAINED AS DIRECTED BY THE ENGINEER.

14. CONGRESS PARKWAY TRAFFIC CONTROL AND PROTECTION SHALL BE PROVIDED BY THE CONTRACTOR AT THE LOCATIONS INDICATED BELOW:

TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS):

I-290/CONGRESS PARKWAY BETWEEN CICERO AVENUE AND WELLS STREET (SEE MOT PLANS).

TRAFFIC CONTROL AND PROTECTION (SPECIAL):

ALONG SB WACKER DRIVE FROM VAN BUREN STREET TO HARRISON STREET FOR CONSTRUCTION OF GENERATOR ACCESS DRIVE (SEE HIGHWAY STD 701606).

TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR (SEE DETOUR PLANS):

WB HARRISON STREET TO NB FRANKLIN STREET TO WB VAN BUREN STREET TO CANAL STREET RAMP TO WB I-290 & I-90/94.

SB UPPER WACKER DRIVE AT MADISON STREET TO VAN BUREN STREET TO CANAL STREET RAMP TO WB I-290 & I-90/94.

SB LOWER WACKER DRIVE AT MADISON TO HARRISON STREET TO RACINE AVENUE TO I-290 WB. EB I-90/94 TO OHIO STREET TO MICHIGAN AVE. TO CONGRESS PARKWAY.

WB I-90/94 TO I-55 TO LAKE SHORE DRIVE TO ROOSEVELT ROAD TO MICHIGAN AVENUE TO CONGRESS PARKWAY.

TRAFFIC CONTROL AND PROTECTION FOR ALTERNATE ROUTE (SEE ALTERNATE ROUTE PLANS):

INBOUND: FROM I-290 EB RAMP TO SACRAMENTO BLVD. TO ROOSEVELT ROAD TO MICHIGAN AVENUE TO CONGRESS PARKWAY.

INBOUND: FROM I-290 EB RAMP TO SACRAMENTO BLVD. TO WARREN AVENUE / WASHINGTON BLVD. TO MICHIGAN AVENUE TO CONGRESS PARKWAY.

OUTBOUND: FROM CONGRESS PARKWAY AT MICHIGAN AVE. TO ROOSEVELT ROAD TO SACRAMENTO BLVD. TO I-290 WB RAMP.

OUTBOUND: FROM CONGRESS PARKWAY AT MICHIGAN AVENUE TO ADAMS STREET TO OGDEN AVENUE TO VAN BUREN STREET TO I-290 WB RAMP.

TRAFFIC CONTROL SURVEILLANCE (EXPRESSWAYS):

I-290/CONGRESS PARKWAY BETWEEN CICERO AVENUE AND WELLS STREET.

TRAFFIC CONTROL SURVEILLANCE:

SB WACKER DRIVE BETWEEN VAN BUREN STREET AND HARRISON STREET AND ALL APPLICABLE DETOUR & ALTERNATE ROUTES.

SPECIAL PROVISIONS HAVE BEEN PROVIDED TO ACCOMMODATE THE TRAFFIC CONTROL FOR EACH OF THE RESPECTIVE TRAFFIC CONTROL ITEMS.

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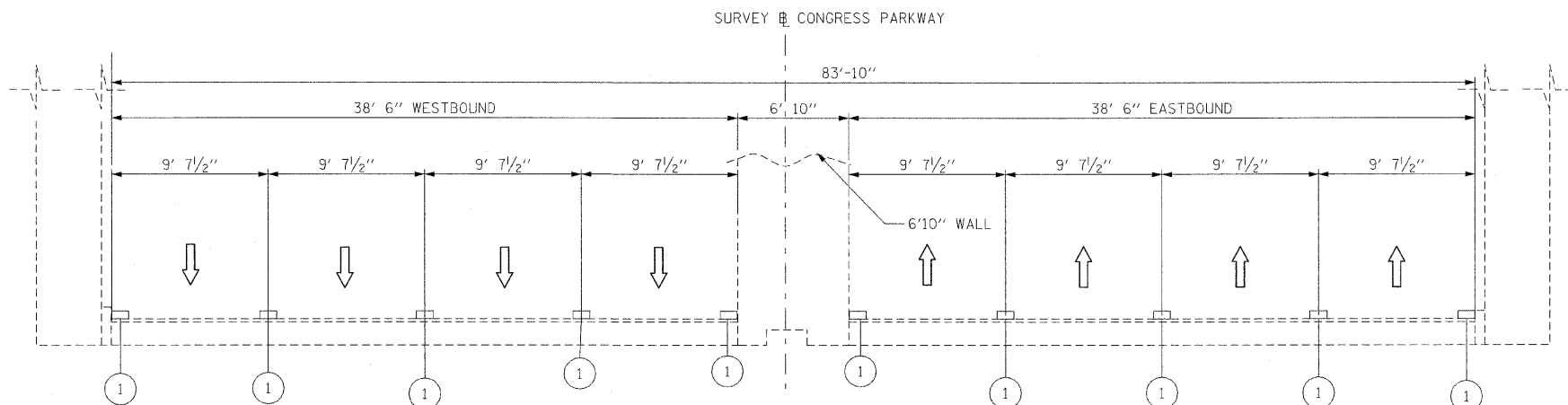
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DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL  
GENERAL NOTES**

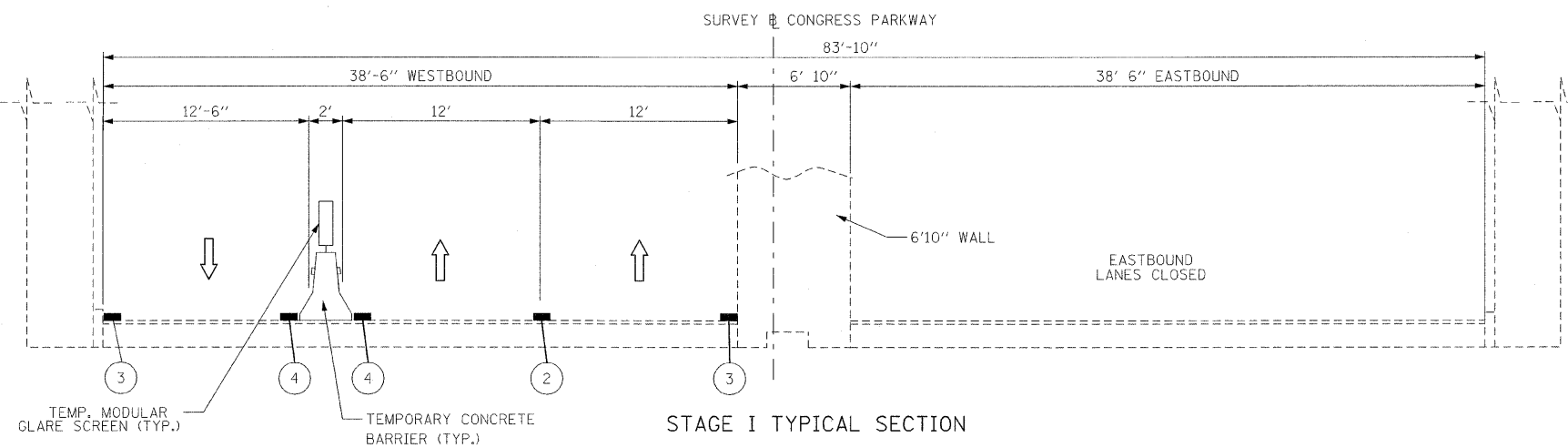
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

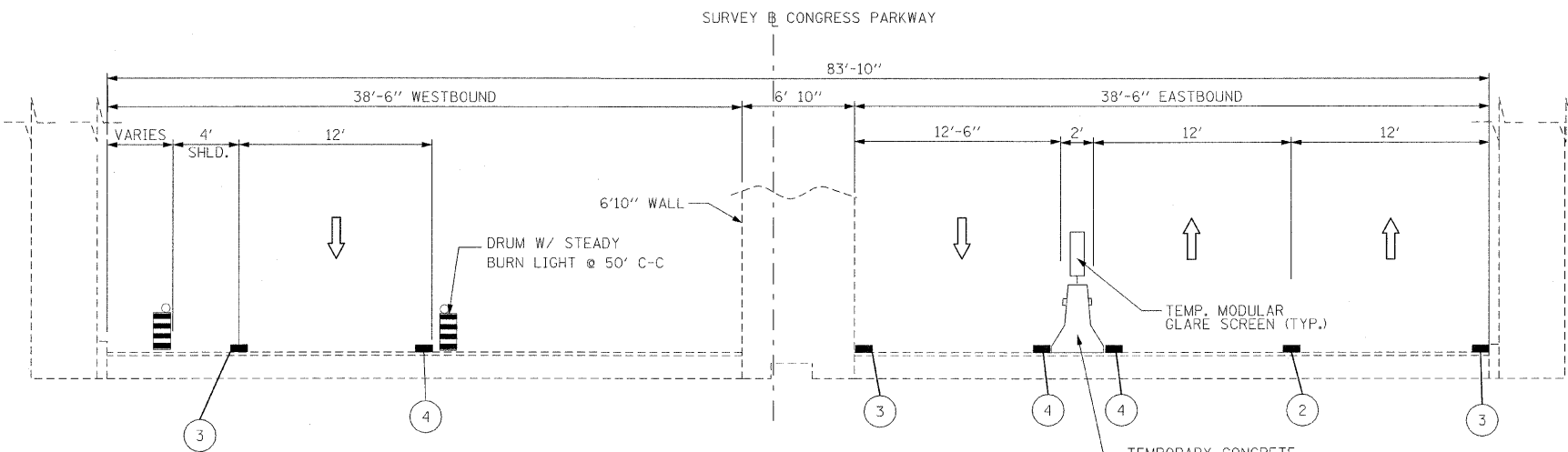


EXISTING TYPICAL SECTION  
 CONGRESS PARKWAY - UNDER POST OFFICE  
 LOOKING EAST FROM STA. 373+58 TO STA. 376+98

- LEGEND:**
- WORK ZONE
  - EXISTING PAVEMENT MARKING
  - WET REFLECTIVE TEMPORARY TAPE, TYPE III 5" WHITE (10' DASH 30' SKIP)
  - WET REFLECTIVE TEMPORARY TAPE, TYPE III 4", WHITE
  - WET REFLECTIVE TEMPORARY TAPE, TYPE III 4", YELLOW
  - DIRECTION OF TRAFFIC
  - TEMPORARY CONCRETE BARRIER F SHAPE, 32 INCH HEIGHT
  - DRUM WITH STEADY BURN LIGHT @ 50' C-C
  - TEMPORARY MODULAR GLARE SCREEN



STAGE I TYPICAL SECTION  
 CONGRESS PARKWAY - UNDER POST OFFICE  
 LOOKING EAST FROM STA. 373+58 TO STA. 376+98



STAGE II TYPICAL SECTION  
 CONGRESS PARKWAY - UNDER POST OFFICE  
 LOOKING EAST FROM STA. 373+58 TO STA. 376+98

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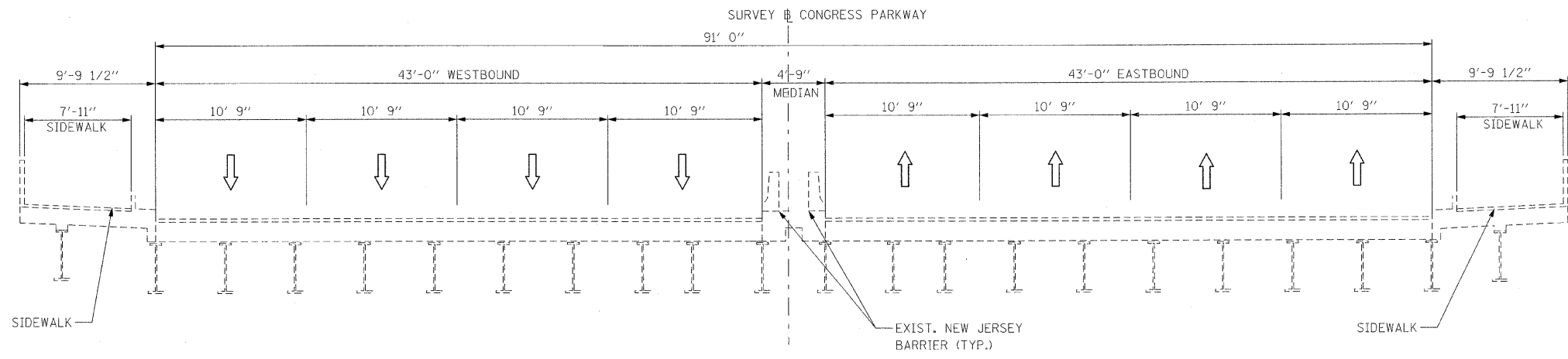
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**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
 SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL -  
 TYPICAL SECTIONS**

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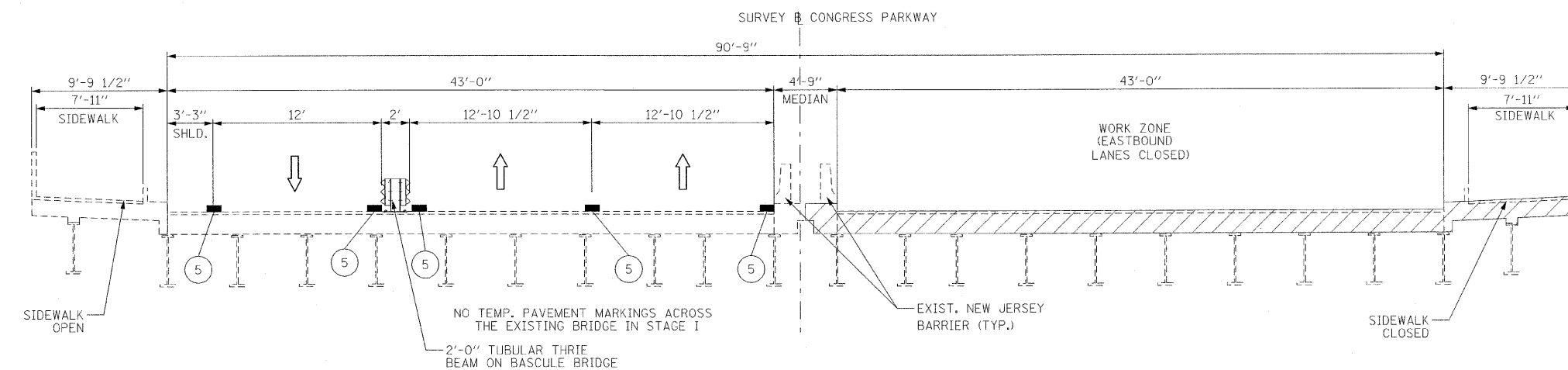
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CONTRACT NO. 60D61				
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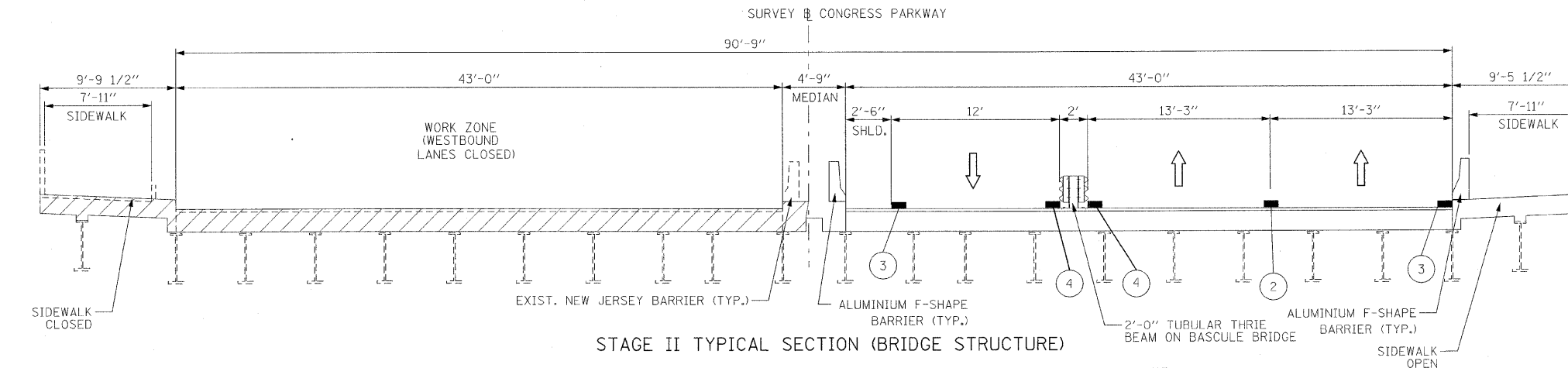


EXISTING TYPICAL SECTION (BRIDGE STRUCTURE)  
 CONGRESS PARKWAY - OVER SOUTH BRANCH OF THE CHICAGO RIVER  
 LOOKING EAST FROM STA. 379+05 TO STA. 382+43

- LEGEND:**
- WORK ZONE
  - EXISTING PAVEMENT MARKING
  - WET REFLECTIVE TEMPORARY TAPE, TYPE III 5" WHITE (10' DASH 30' SKIP)
  - WET REFLECTIVE TEMPORARY TAPE, TYPE III 4", WHITE
  - WET REFLECTIVE TEMPORARY TAPE, TYPE III 4", YELLOW
  - TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE, SPECIAL) @ 20' C-C
  - DIRECTION OF TRAFFIC
  - TEMPORARY CONCRETE BARRIER F SHAPE, 32 INCH HEIGHT
  - DRUM WITH STEADY BURN LIGHT @ 50' C-C
  - TEMPORARY THRIE BEAM STEEL PLATE GUARDRAIL, TYPE D (SPECIAL)
  - TEMPORARY MODULAR GLARE SCREEN

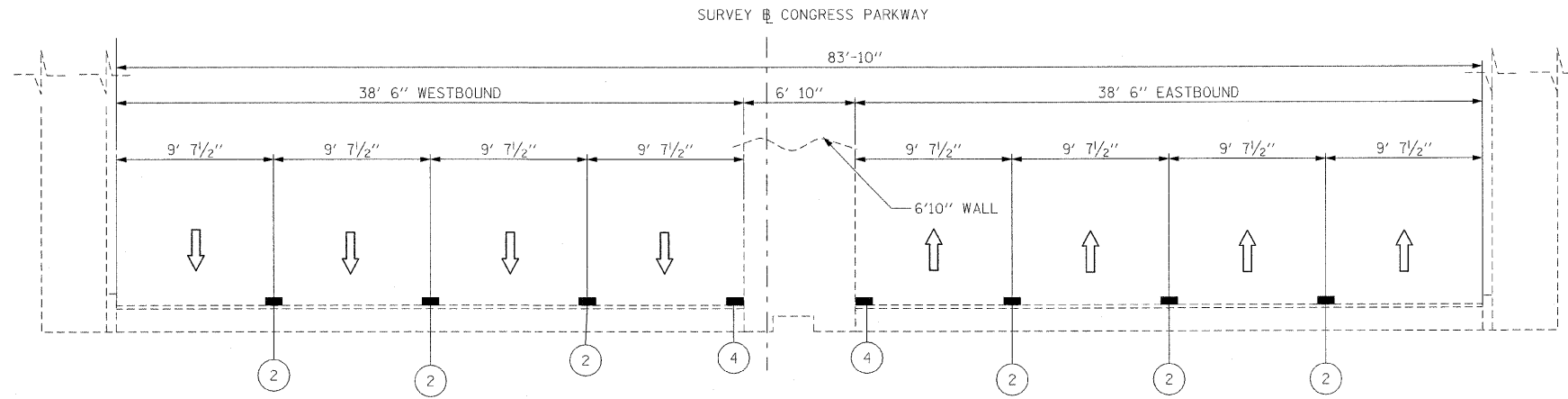


STAGE I TYPICAL SECTION (BRIDGE STRUCTURE)  
 CONGRESS PARKWAY - OVER SOUTH BRANCH OF THE CHICAGO RIVER  
 LOOKING EAST FROM STA. 379+05 TO STA. 382+43

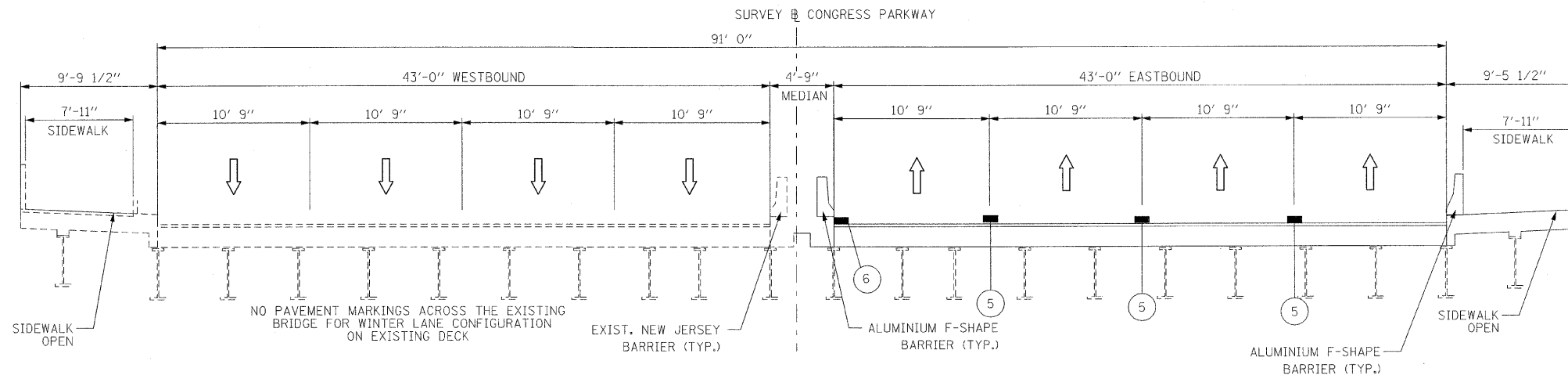


STAGE II TYPICAL SECTION (BRIDGE STRUCTURE)  
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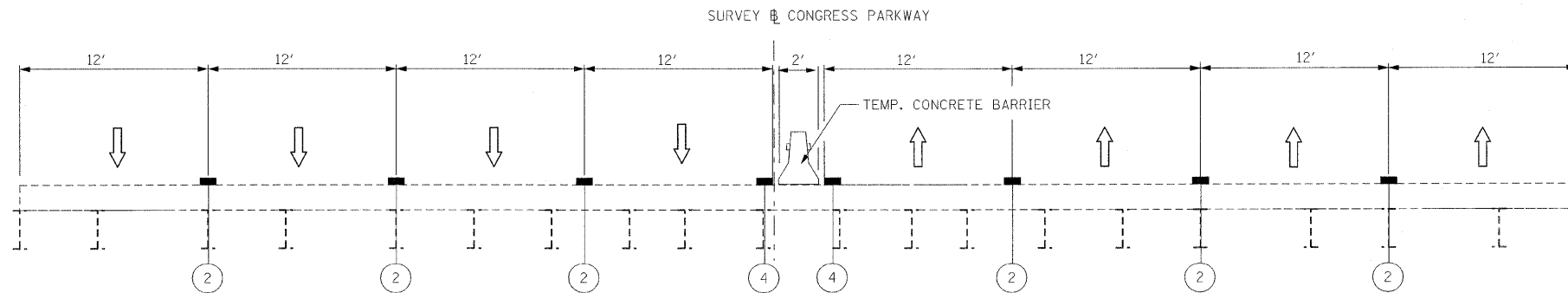
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WINTER LANE CONFIGURATION TYPICAL SECTION  
 CONGRESS PARKWAY - UNDER POST OFFICE  
 LOOKING EAST



WINTER LANE CONFIGURATION TYPICAL SECTION (BRIDGE STRUCTURE)  
 CONGRESS PARKWAY - OVER SOUTH BRANCH OF THE CHICAGO RIVER  
 LOOKING EAST



WINTER LANE CONFIGURATION TYPICAL SECTION  
 CONGRESS PARKWAY - WEST OF POST OFFICE  
 LOOKING EAST

- LEGEND:**
- WORK ZONE
  - EXISTING PAVEMENT MARKING
  - EPOXY PAVEMENT MARKING, LINE 5" WHITE (10' DASH 30' SKIP)
  - EPOXY PAVEMENT MARKING, LINE 4", WHITE
  - EPOXY PAVEMENT MARKING, LINE 4", YELLOW
  - WET REFLECTIVE TEMPORARY TAPE, TYPE III 4", WHITE
  - WET REFLECTIVE TEMPORARY TAPE, TYPE III 4", YELLOW
  - DIRECTION OF TRAFFIC
  - TEMPORARY CONCRETE BARRIER F SHAPE, 32 INCH HEIGHT
  - DRUM WITH STEADY BURN LIGHT @ 50' C-C
  - TEMPORARY THREE BEAM STEEL PLATE GUARDRAIL, TYPE D (SPECIAL)
  - TEMPORARY MODULAR GLARE SCREEN

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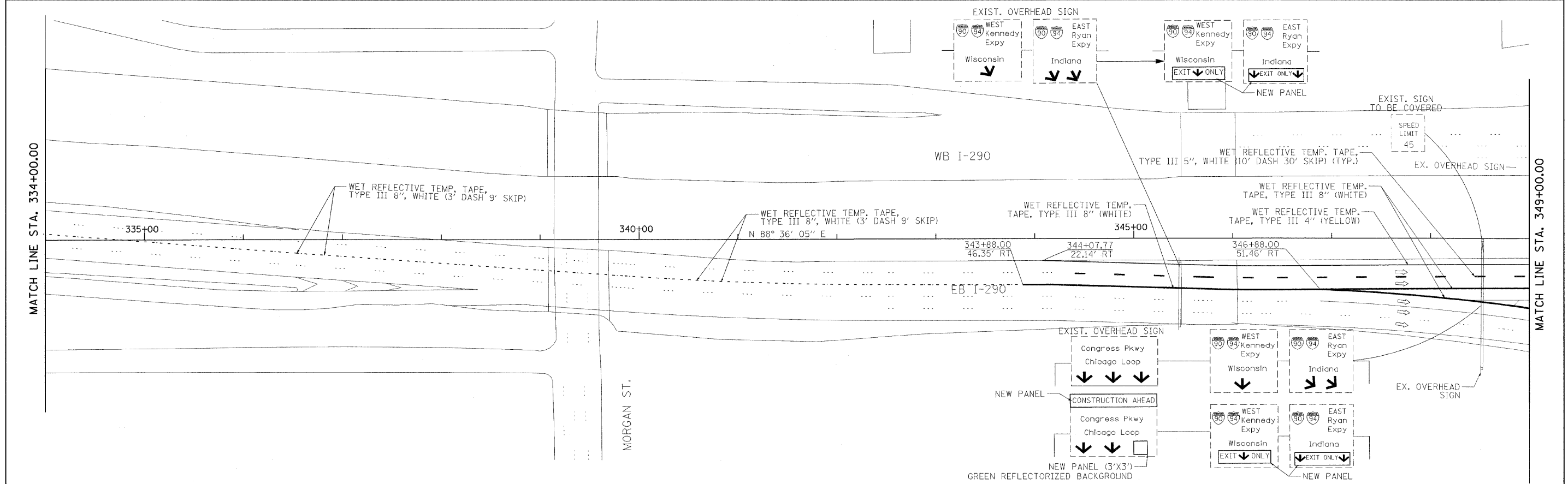
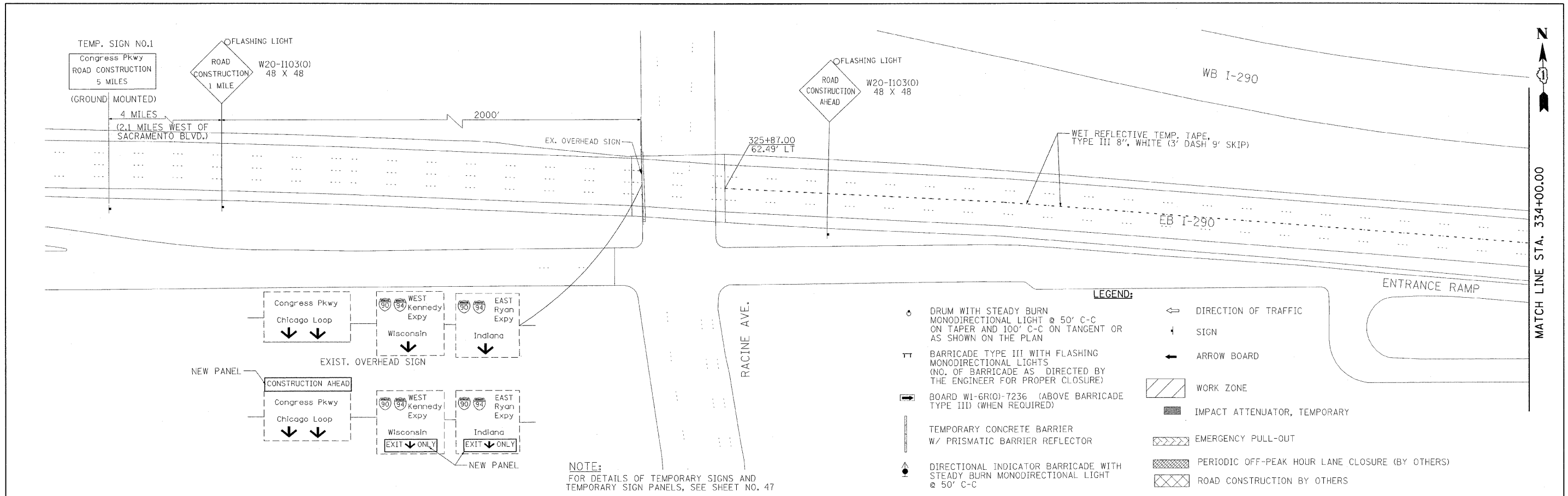
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**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
 SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL -  
 TYPICAL SECTIONS**

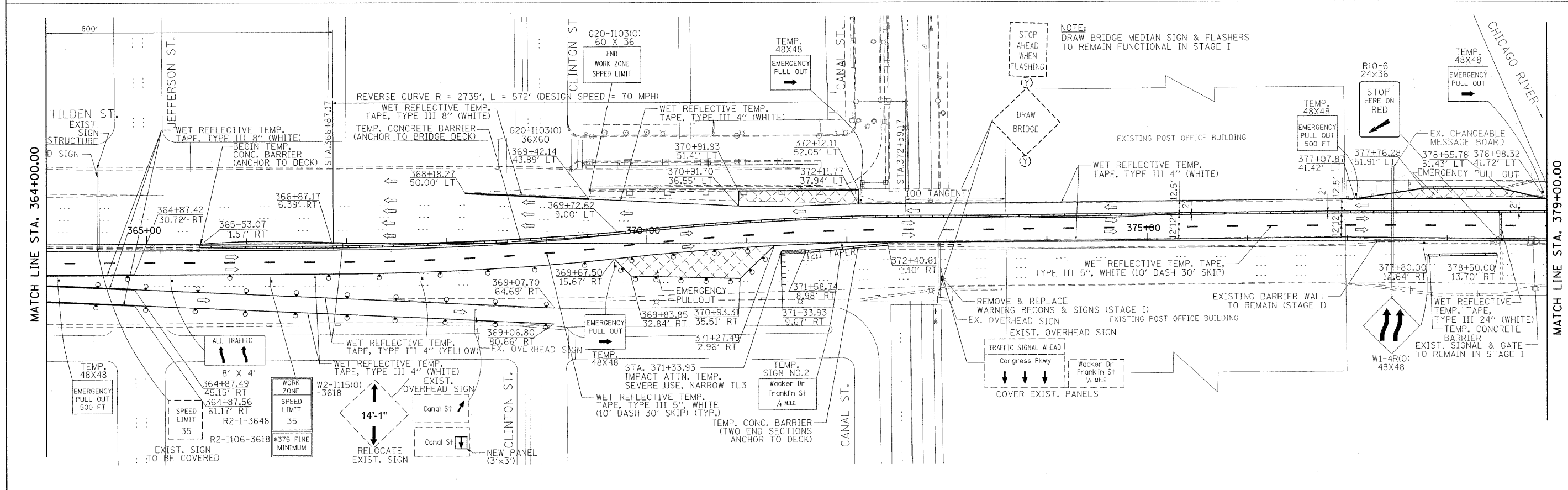
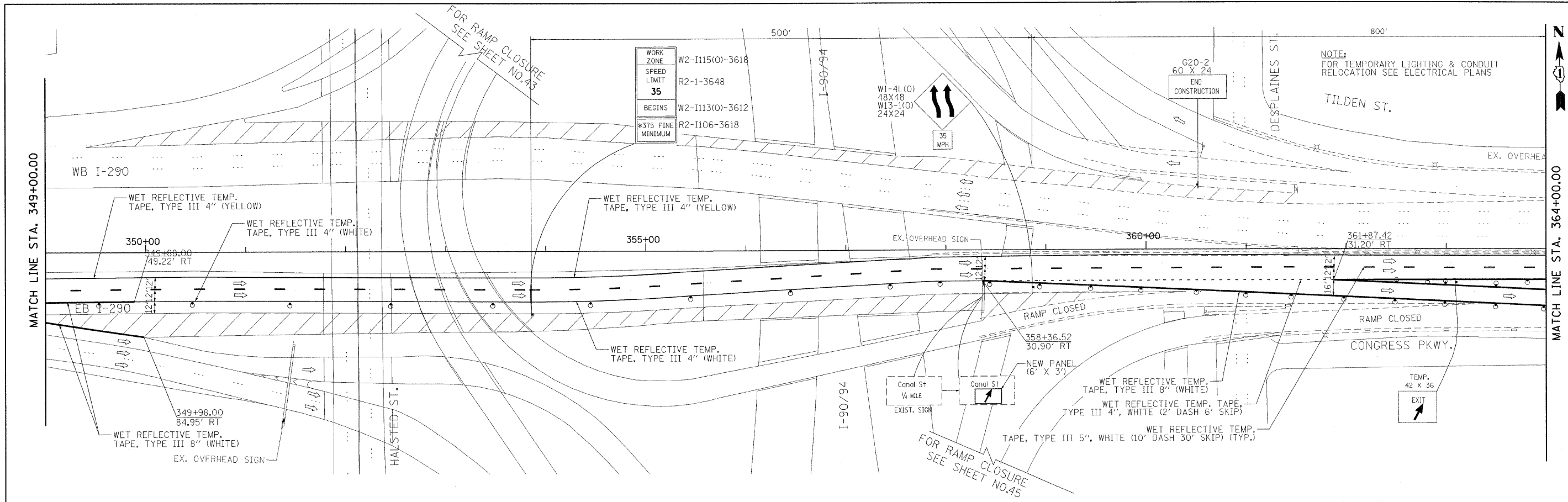
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

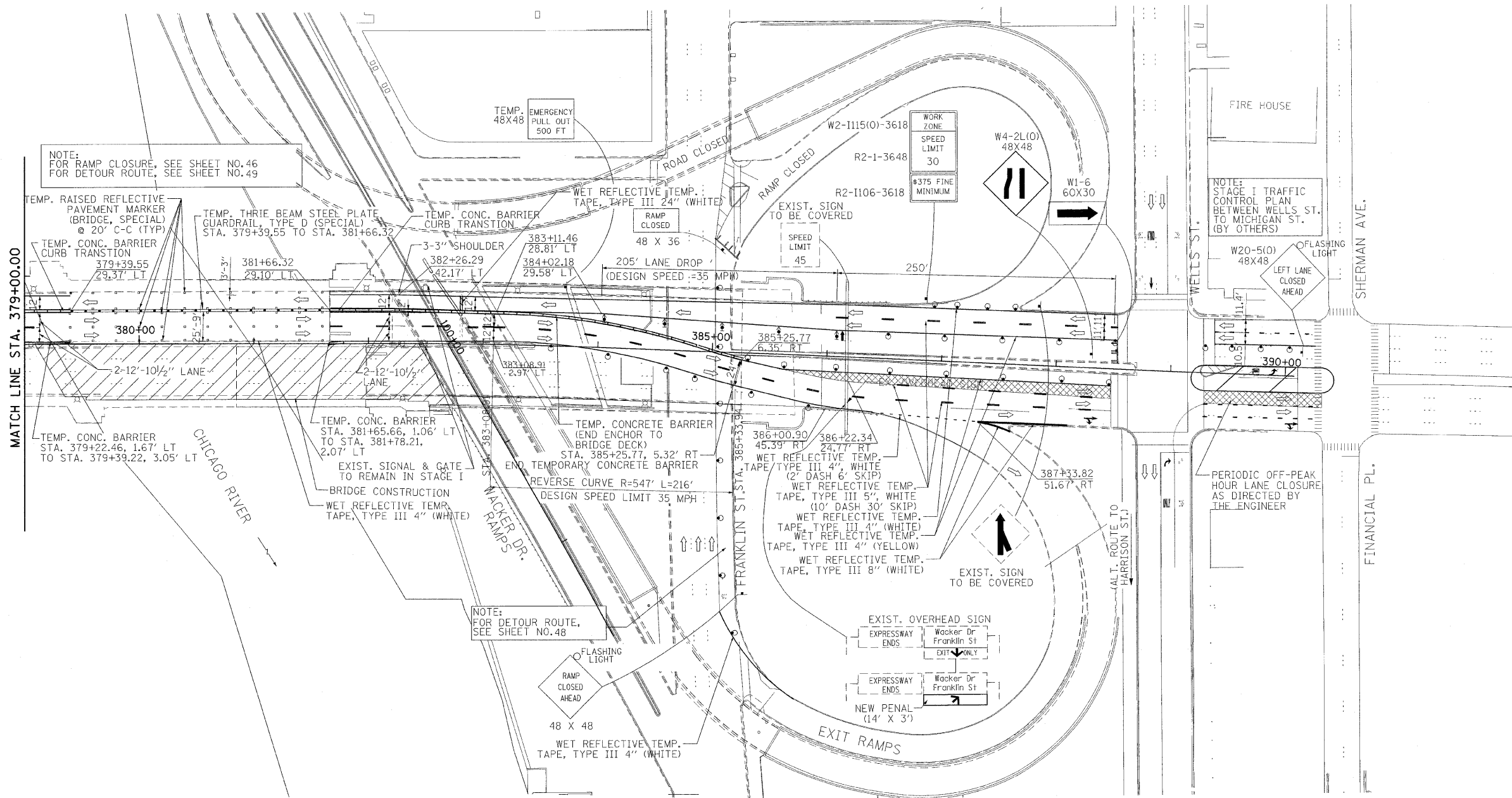


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SCALE: 1" = 50'  
SHEET NO. 34 OF 83 SHEETS  
STA. 377+01.00 TO STA. 382+45.28



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**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
 SUGGESTED STAGES OF CONSTRUCTION  
 AND TRAFFIC CONTROL PLANS - STAGE I**

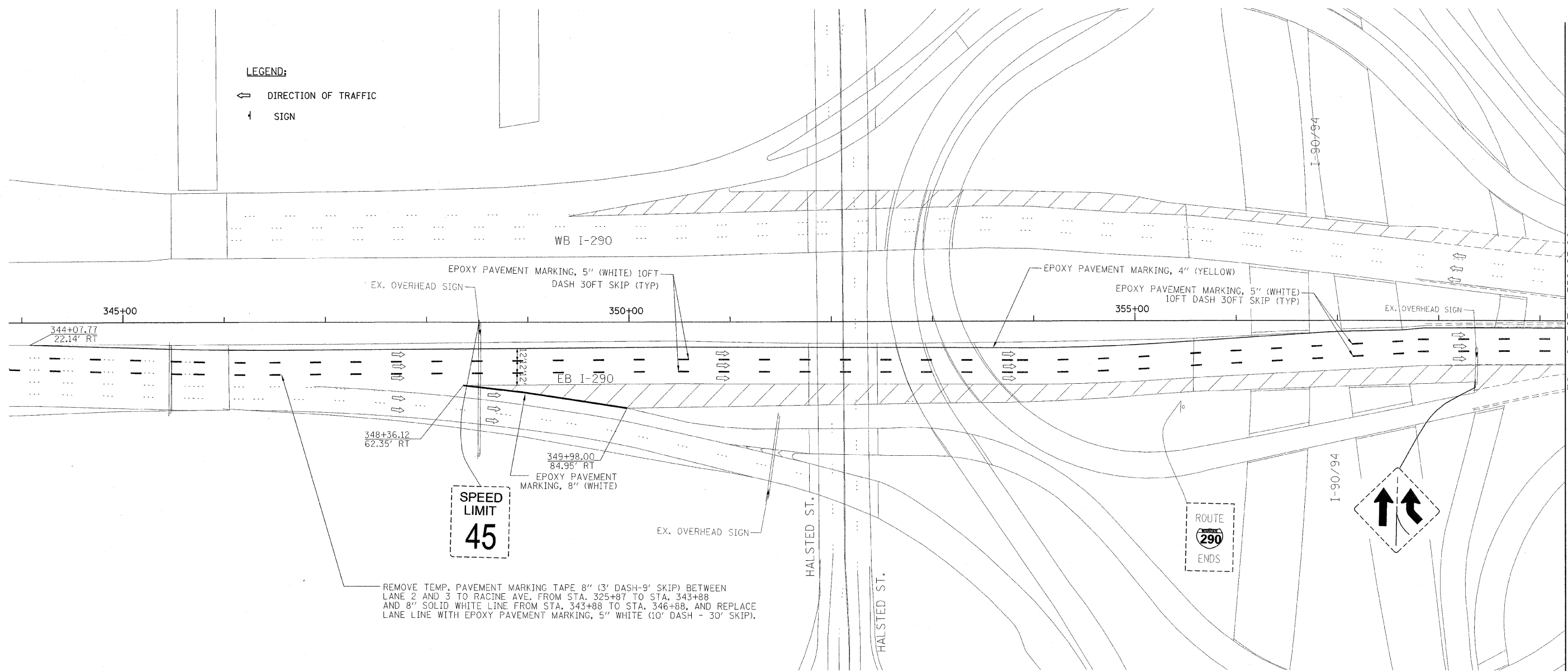
SCALE: 1" = 50' SHEET NO. 36 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-28-R	COOK	398	36
CONTRACT NO. 60D61			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



**LEGEND:**

- ← DIRECTION OF TRAFFIC
- ↑ SIGN



REMOVE TEMP. PAVEMENT MARKING TAPE 8" (3' DASH-9' SKIP) BETWEEN LANE 2 AND 3 TO RACINE AVE. FROM STA. 325+87 TO STA. 343+88 AND 8" SOLID WHITE LINE FROM STA. 343+88 TO STA. 346+88, AND REPLACE LANE LINE WITH EPOXY PAVEMENT MARKING, 5" WHITE (10' DASH - 30' SKIP).

NOTE:  
REMOVE TEMPORARY SIGN PANELS AND COVERS

**PB Americas, Inc.**  
230 WEST MONROE STREET,  
SUITE 900  
CHICAGO, IL. 60606

USER NAME = #USER#	DESIGNED - DM	REVISED -
FILE NAME = #FILENAME#	DRAWN - MS	REVISED -
PLOT SCALE = #SCALE#	CHECKED - DS	REVISED -
PLOT DATE = 5/7/2009	DATE - 5/08/09	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
SUGGESTED STAGES OF CONSTRUCTION AND  
TRAFFIC CONTROL PLANS - WINTER LANE CONFIGURATION**

SCALE: 1" = 50' SHEET NO. 37 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

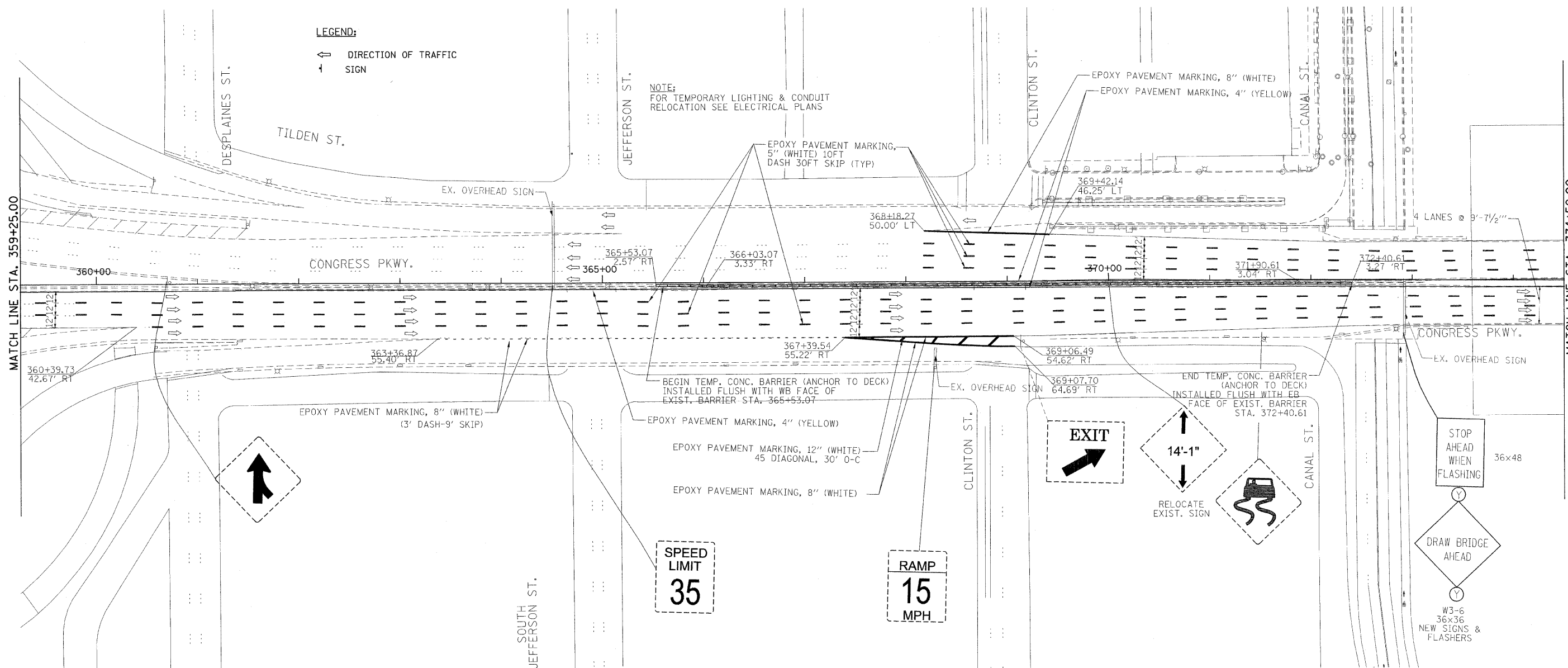
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	37
CONTRACT NO. 60061				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**LEGEND:**

- ↔ DIRECTION OF TRAFFIC
- + SIGN

NOTE:  
FOR TEMPORARY LIGHTING & CONDUIT  
RELOCATION SEE ELECTRICAL PLANS



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SUITE 900  
CHICAGO, IL. 60606

USER NAME = #USER#	DESIGNED - DM	REVISED -
FILE NAME = #FILENAME#	DRAWN - MS	REVISED -
PLOT SCALE = #SCALE#	CHECKED - DS	REVISED -
PLOT DATE = 5/7/2009	DATE - 5/08/09	REVISED -

DESIGNED - DM	REVISED -
DRAWN - MS	REVISED -
CHECKED - DS	REVISED -
DATE - 5/08/09	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
SUGGESTED STAGES OF CONSTRUCTION AND  
TRAFFIC CONTROL PLANS - WINTER LANE CONFIGURATION**

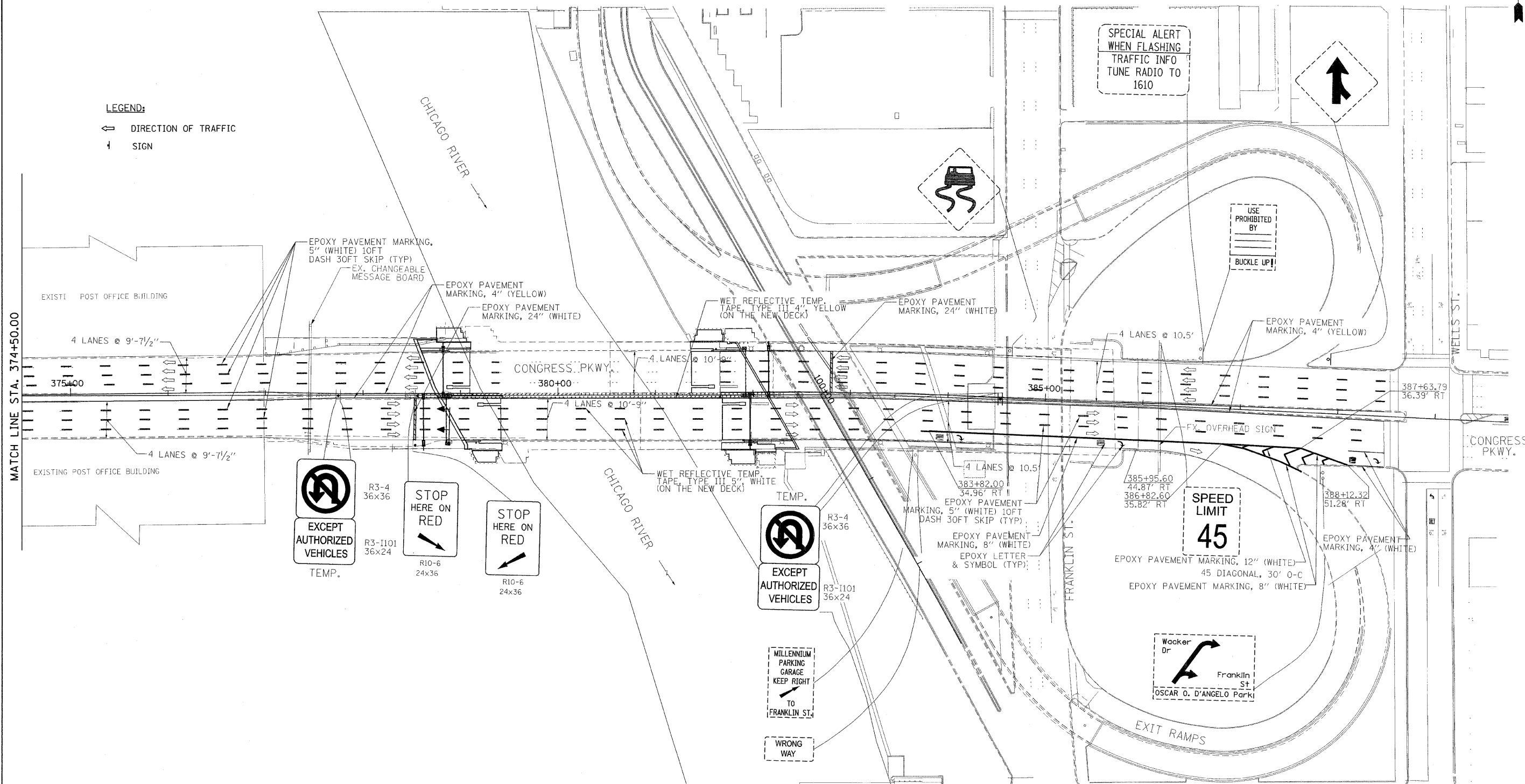
SCALE: 1" = 50' SHEET NO. 38 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE. 389	SECTION 2424-2B-R	COUNTY COOK	TOTAL SHEETS 398	SHEET NO. 38
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**LEGEND:**

- ← DIRECTION OF TRAFFIC
- ↑ SIGN



**PB Americas, Inc.**  
 230 WEST MONROE STREET,  
 SUITE 900  
 CHICAGO, IL. 60606

USER NAME = #USER#  
 FILE NAME = #FILENAME#  
 PLOT SCALE = #SCALE#  
 PLOT DATE = 5/7/2009

DESIGNED - DM  
 DRAWN - MS  
 CHECKED - DS  
 DATE - 5/08/09

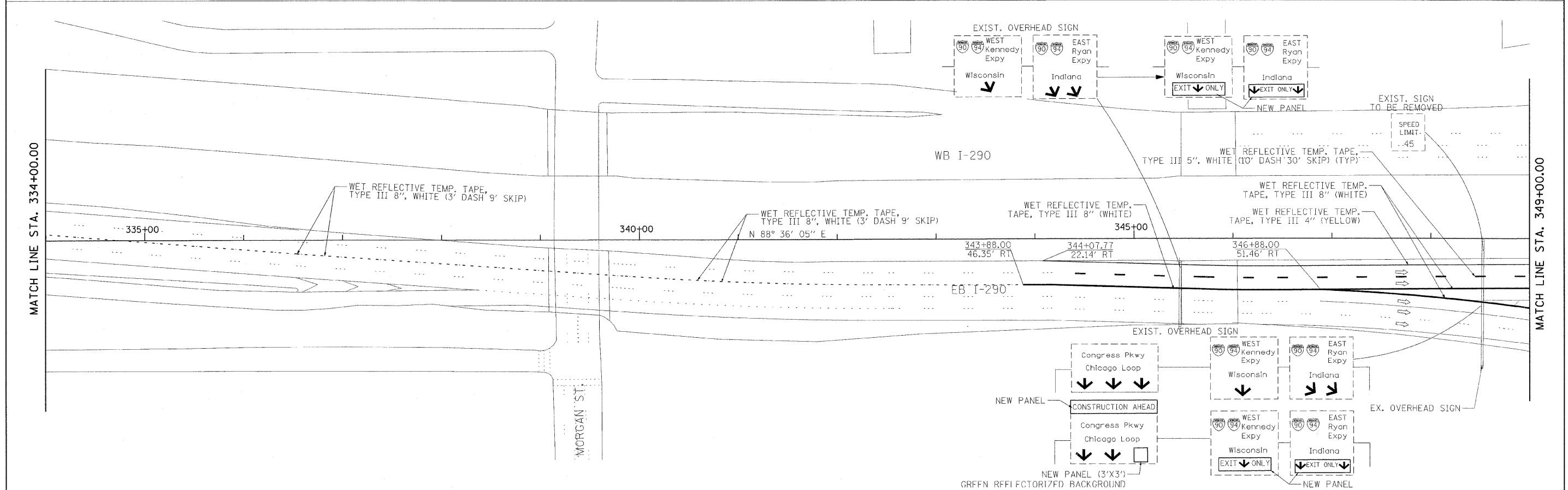
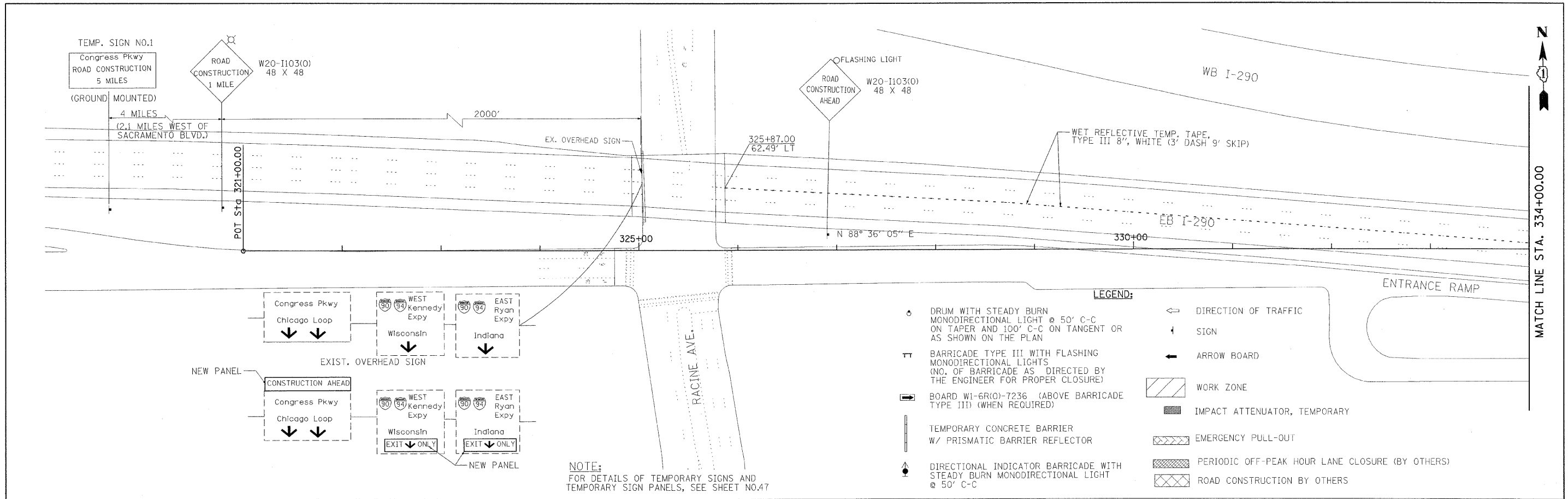
REVISED -  
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 REVISED -

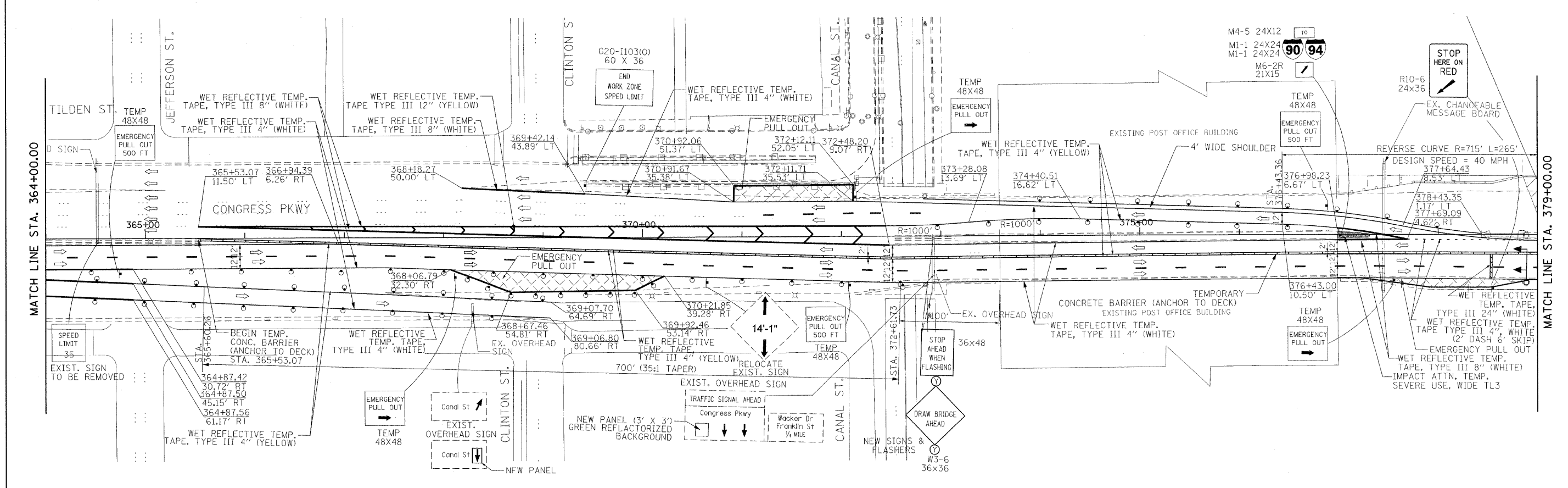
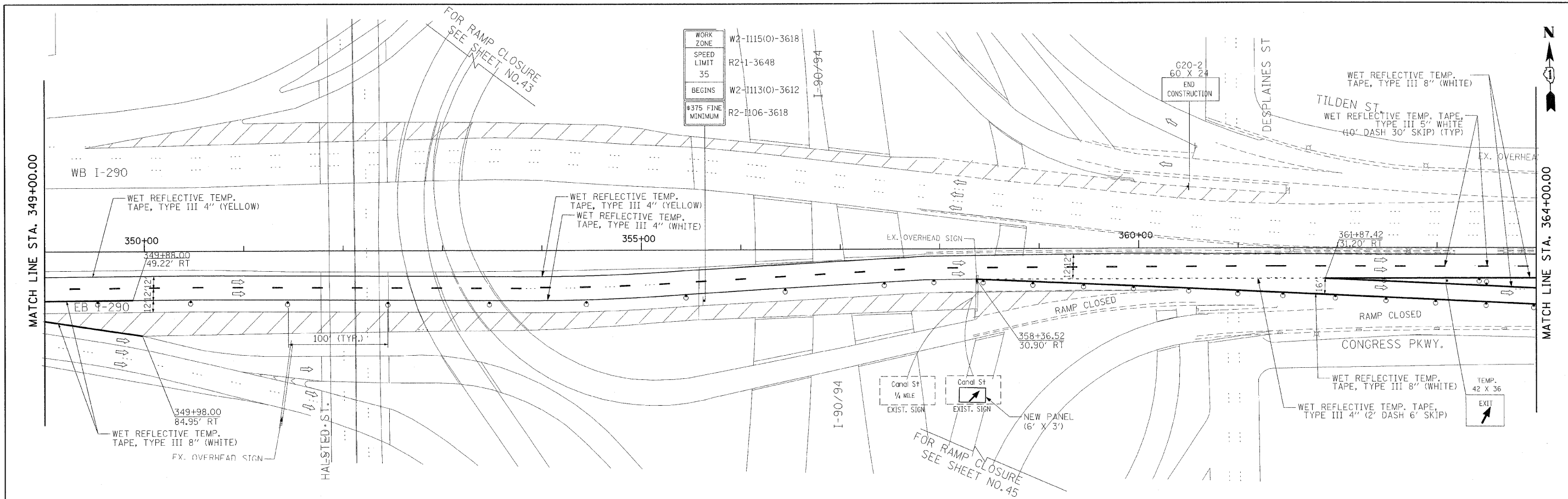
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
 SUGGESTED STAGES OF CONSTRUCTION AND  
 TRAFFIC CONTROL PLANS - WINTER LANE CONFIGURATION**  
 SCALE: 1" = 50' SHEET NO. 39 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

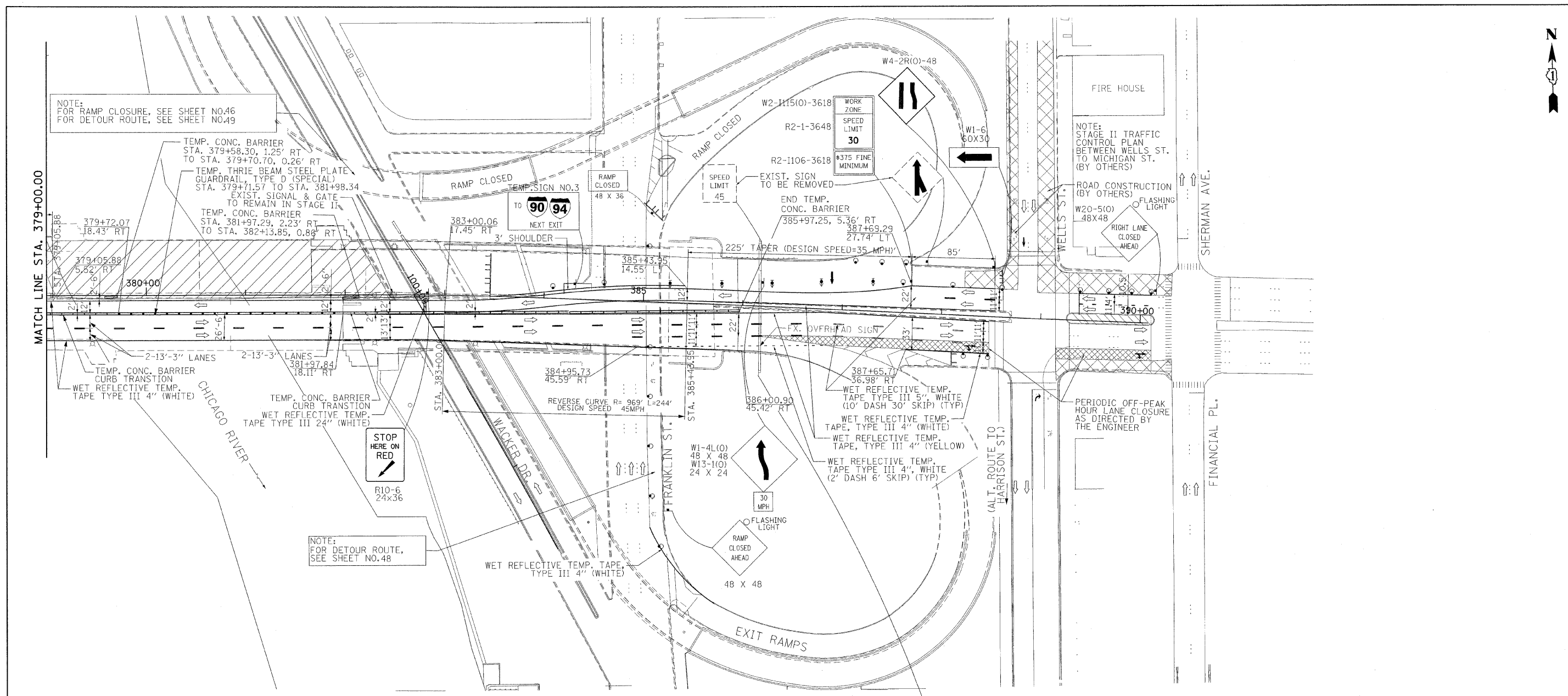
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS	NO.
389	2424-28-R	COOK	398	39
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				







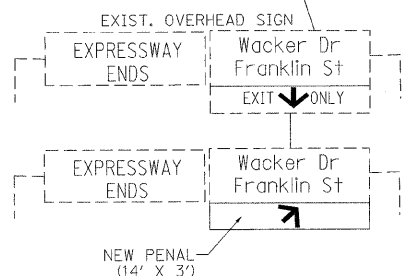
<b>PB Americas, Inc.</b> 230 WEST MONROE STREET, SUITE 900 CHICAGO, IL. 60606	USER NAME = #USER#	DESIGNED - DM	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER</b> <b>SUGGESTED STAGES OF CONSTRUCTION</b> <b>AND TRAFFIC CONTROL PLANS - STAGE II</b>	F.A.P. RTE. 389	SECTION 2424-2B-R	COUNTY COOK	TOTAL SHEETS 398	SHEET NO. 41	
	FILE NAME = #FILENAME#	DRAWN - MS	REVISED -			SCALE: 1" = 50'	SHEET NO. 41 OF 83 SHEETS	STA. 377+01.00 TO STA. 382+45.28	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT
	PLOT SCALE = #SCALE#	CHECKED - DS	REVISED -								
	PLOT DATE = 5/7/2009	DATE - 5/08/09	REVISED -								



NOTE:  
FOR RAMP CLOSURE, SEE SHEET NO.46  
FOR DETOUR ROUTE, SEE SHEET NO.49

NOTE:  
STAGE II TRAFFIC CONTROL PLAN  
BETWEEN WELLS ST.  
TO MICHIGAN ST.  
(BY OTHERS)

NOTE:  
FOR DETOUR ROUTE,  
SEE SHEET NO.48



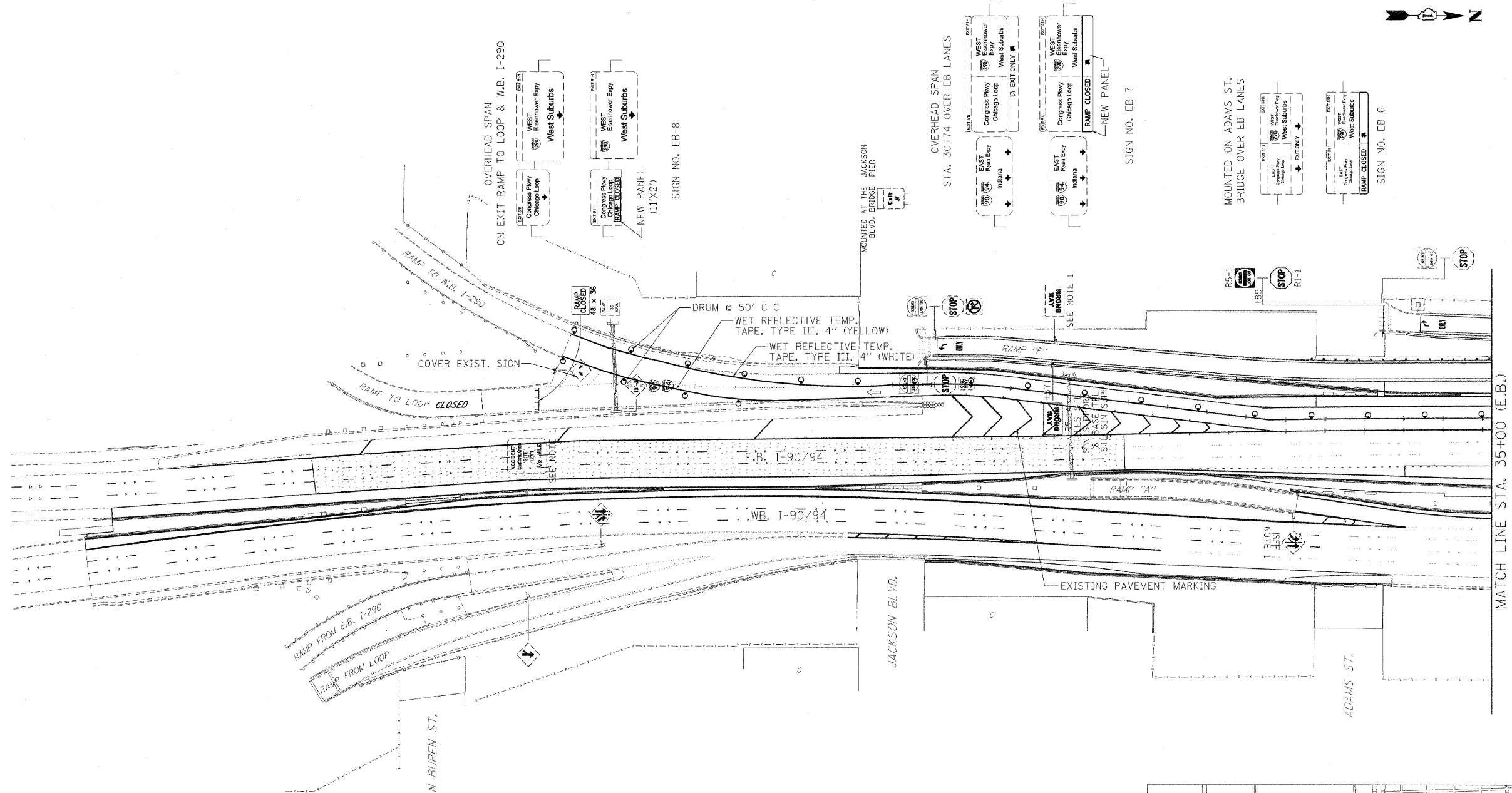
**PB Americas, Inc.**  
230 WEST MONROE STREET,  
SUITE 900  
CHICAGO, IL. 60606

USER NAME = #USER#	DESIGNED - DM	REVISED -
FILE NAME = #FILENAME#	DRAWN - MS	REVISED -
PLOT SCALE = #SCALE#	CHECKED - DS	REVISED -
PLOT DATE = 5/7/2009	DATE - 5/08/09	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

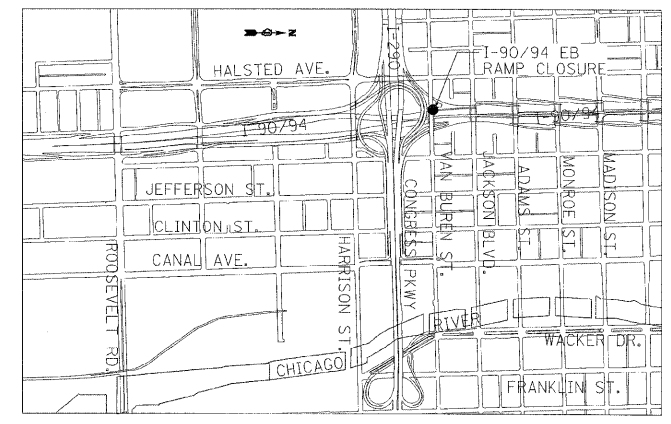
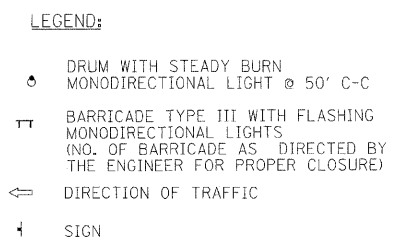
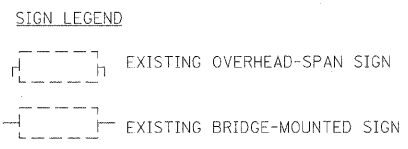
**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
SUGGESTED STAGES OF CONSTRUCTION  
AND TRAFFIC CONTROL PLANS - STAGE II**  
SCALE: 1" = 50' SHEET NO. 42 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-28-R	COOK	398	42
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60D61	



MATCH LINE STA. 35+00 (E.B.)

NOTE:  
FOR SIGN DETAILS, SEE SHEET NO.52



**PB Americas, Inc.**  
230 WEST MONROE STREET,  
SUITE 900  
CHICAGO, IL. 60606

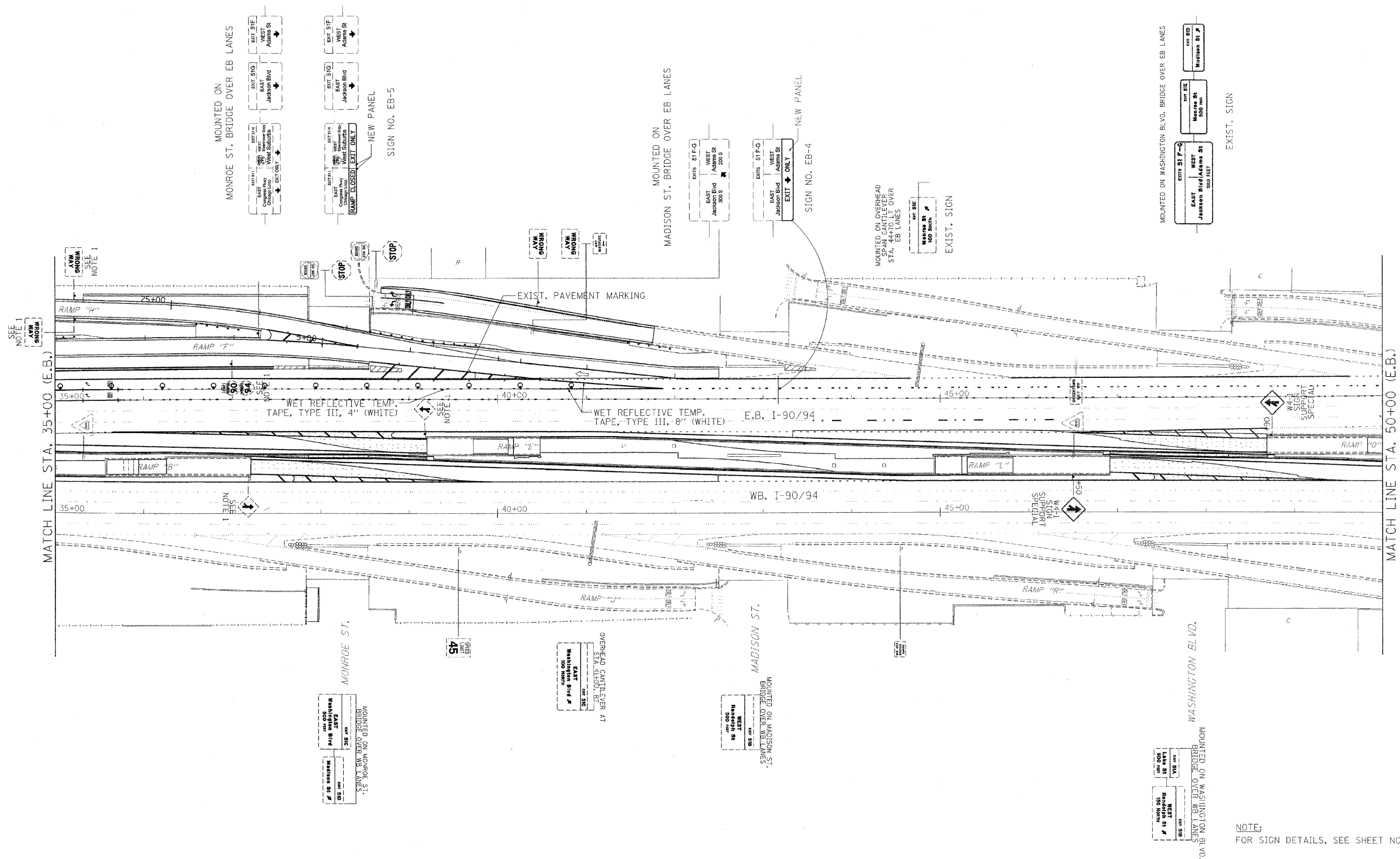
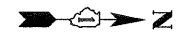
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FILE NAME = #FILENAME#	DRAWN - MS	REVISED -
PLOT SCALE = #SCALE#	CHECKED - DS	REVISED -
PLOT DATE = 5/6/2009	DATE - 5/08/09	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
SUGGESTED TRAFFIC CONTROL PLAN-I-90/94 EB RAMP CLOSURE**

SCALE: 1" = 50'    SHEET NO. 43 OF 83 SHEETS    STA. 377+01.00 TO STA. 382+45.28

F.A.P. R.I.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	43
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

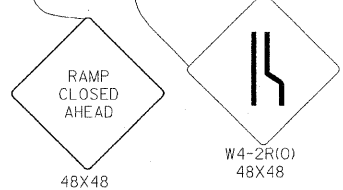
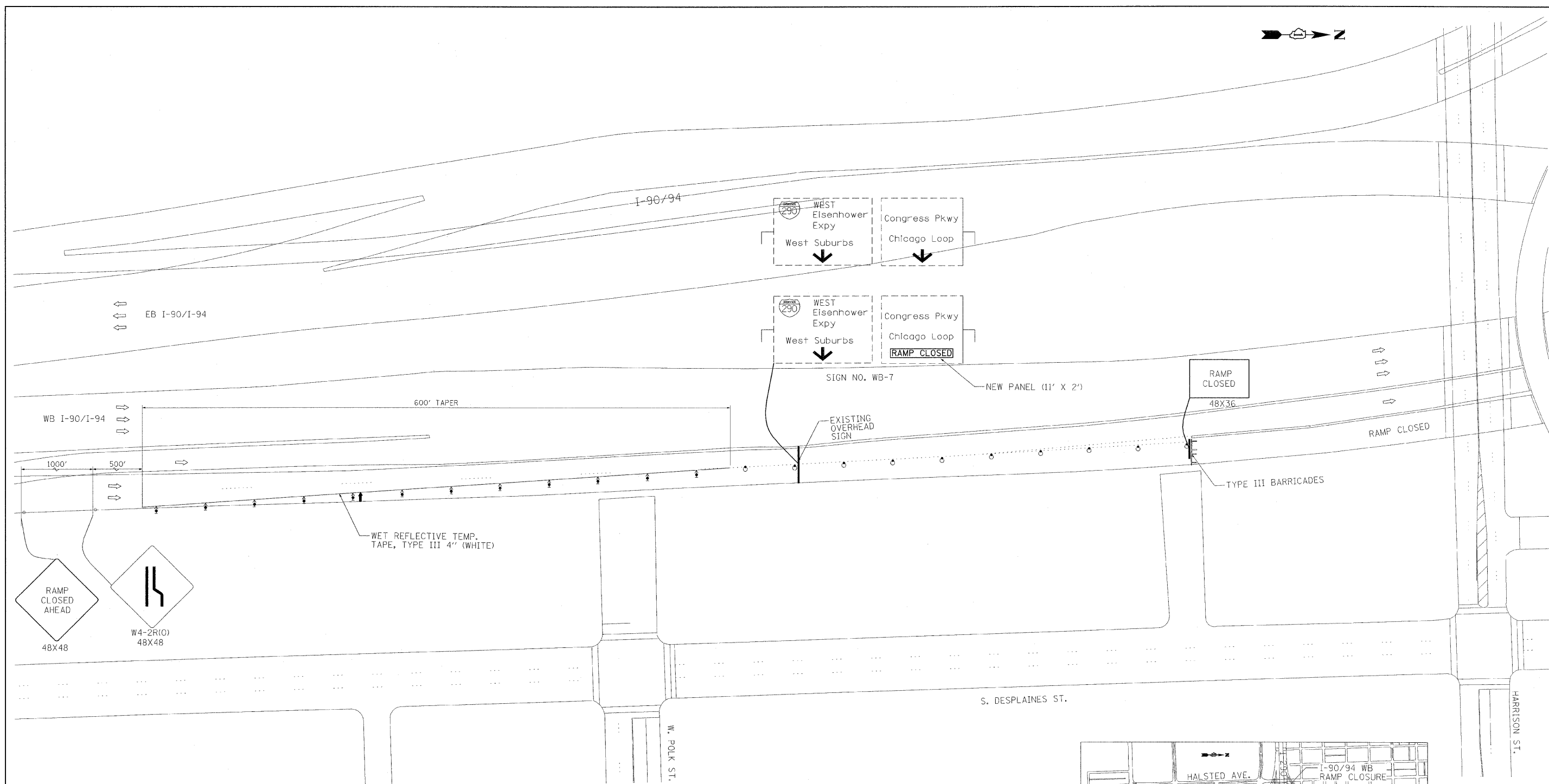
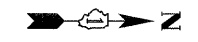


NOTE:  
FOR SIGN DETAILS, SEE SHEET NO.52

SIGN LEGEND

	EXISTING OVERHEAD-SPAN SIGN
	EXISTING BRIDGE-MOUNTED SIGN

<b>PB Americas, Inc.</b> 230 WEST MONROE STREET, SUITE 900 CHICAGO, IL. 60606	USER NAME = #USER# FILE NAME = #FILENAME# PLOT SCALE = #SCALE# PLOT DATE = 5/6/2009	DESIGNED - DM DRAWN - MS CHECKED - DS DATE - 5/08/09	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>		<b>CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER</b> <b>SUGGESTED TRAFFIC CONTROL PLAN-I-90/94EB RAMP CLOSURE</b>		F.A.P. RTE. 389 SECTION 2424-2B-R COUNTY COOK FEDERAL ROAD DIST. NO. 1 ILLINOIS	TOTAL SHEETS 398 SHEET NO. 44 CONTRACT NO. 60D61 FED. AID PROJECT
	SCALE: 1" = 50' SHEET NO. 44 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28								



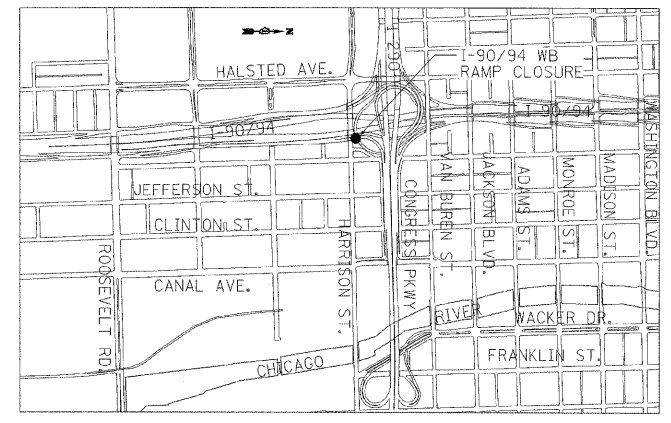
NOTE:  
FOR SIGN DETAILS, SEE SHEET NO.54

SIGN LEGEND

- EXISTING OVERHEAD-SPAN SIGN
- EXISTING BRIDGE-MOUNTED SIGN

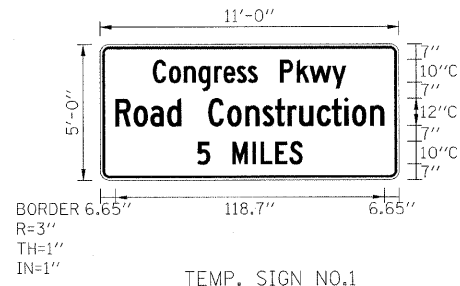
LEGEND:

- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
- BARRICADE TYPE III WITH FLASHING MONODIRECTIONAL LIGHTS (NO. OF BARRICADE AS DIRECTED BY THE ENGINEER FOR PROPER CLOSURE)
- DIRECTION OF TRAFFIC
- SIGN
- ARROW BOARD
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C

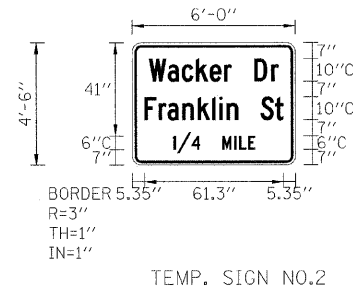


<b>PB Americas, Inc.</b> 230 WEST MONROE STREET, SUITE 900 CHICAGO, IL. 60606	USER NAME = #USER#	DESIGNED - DM	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER</b> <b>SUGGESTED TRAFFIC CONTROL PLAN-I-90/94WB RAMP CLOSURE</b>		F.A.P. RITE. 389	SECTION 2424-2B-R	COUNTY COOK	TOTAL SHEETS 398	SHEET NO. 45
	FILE NAME = #FILENAME#	DRAWN - MS	REVISED -		SCALE: 1" = 50'    SHEET NO. 45 OF 83 SHEETS    STA. 377+01.00 TO STA. 382+45.28		CONTRACT NO. 60D61		FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT		
	PLOT SCALE = #SCALE#	CHECKED - DS	REVISED -								
	PLOT DATE = 5/7/2009	DATE - 5/08/09	REVISED -								

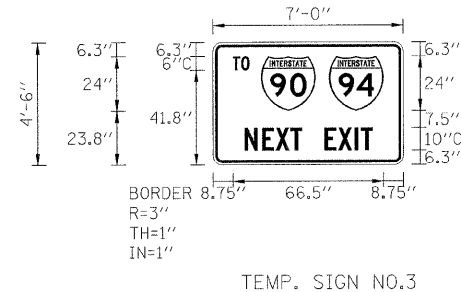




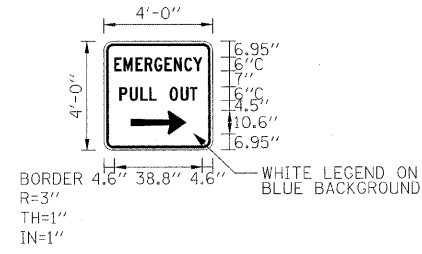
TEMP. SIGN NO.1



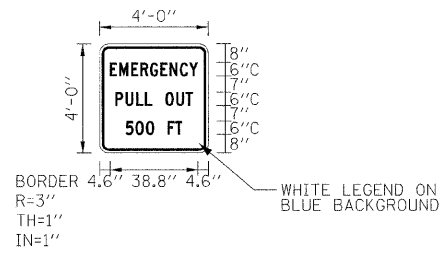
TEMP. SIGN NO.2



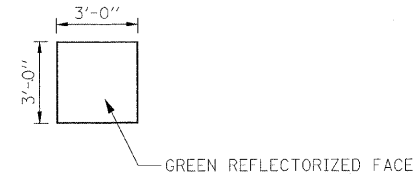
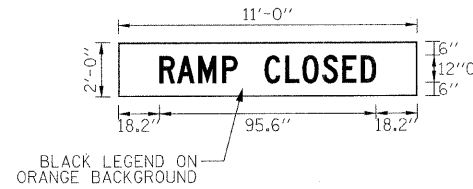
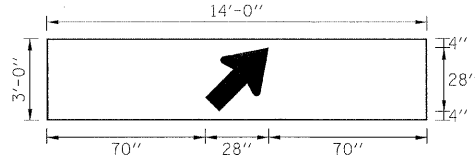
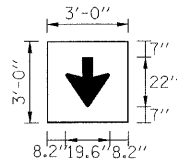
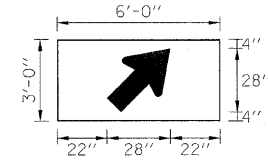
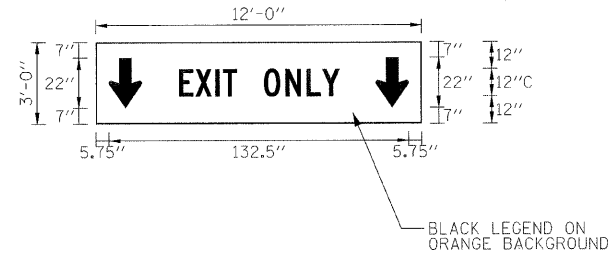
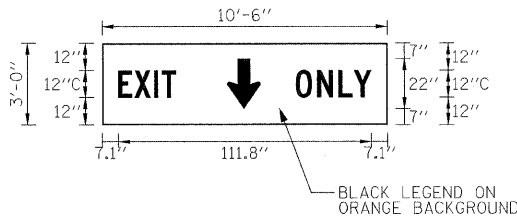
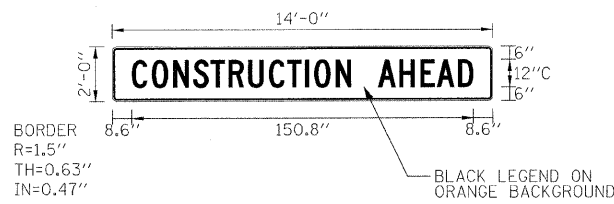
TEMP. SIGN NO.3



TEMP. SIGN



TEMP. SIGN



NOTES FOR TEMPORARY SIGN PANELS

1. ALL TEMPORARY SIGN PANELS SHALL HAVE C WIDTH LETTERS, WHITE LEGEND, GREEN REFLECTORIZED BACKGROUND ON 5/8" PLYWOOD, UNLESS NOTED.
2. ALL SIGNS SHALL BE SKID MOUNTED, UNLESS OTHERWISE NOTED ON THE PLAN.
3. THE TEMPORARY SIGN PANELS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE SQUARE FOOT FOR TEMPORARY INFORMATION SIGNING.
4. LOCATIONS OF SIGNS MAY BE VARIED SLIGHTLY AS DIRECTED BY THE ENGINEER TO FACILITATE OPERATIONS IN THE FIELD.
5. FOR SIGN LOCATIONS, SEE TRAFFIC CONTROL PLANS STAGE I AND STAGE II.

**PB Americas, Inc.**  
230 WEST MONROE STREET,  
SUITE 900  
CHICAGO, IL. 60606

USER NAME = #USER#	DESIGNED - DM	REVISED -
FILE NAME = #FILENAME#	DRAWN - MS	REVISED -
PLOT SCALE = #SCALE#	CHECKED - DS	REVISED -
PLOT DATE = 5/7/2009	DATE - 5/08/09	REVISED -

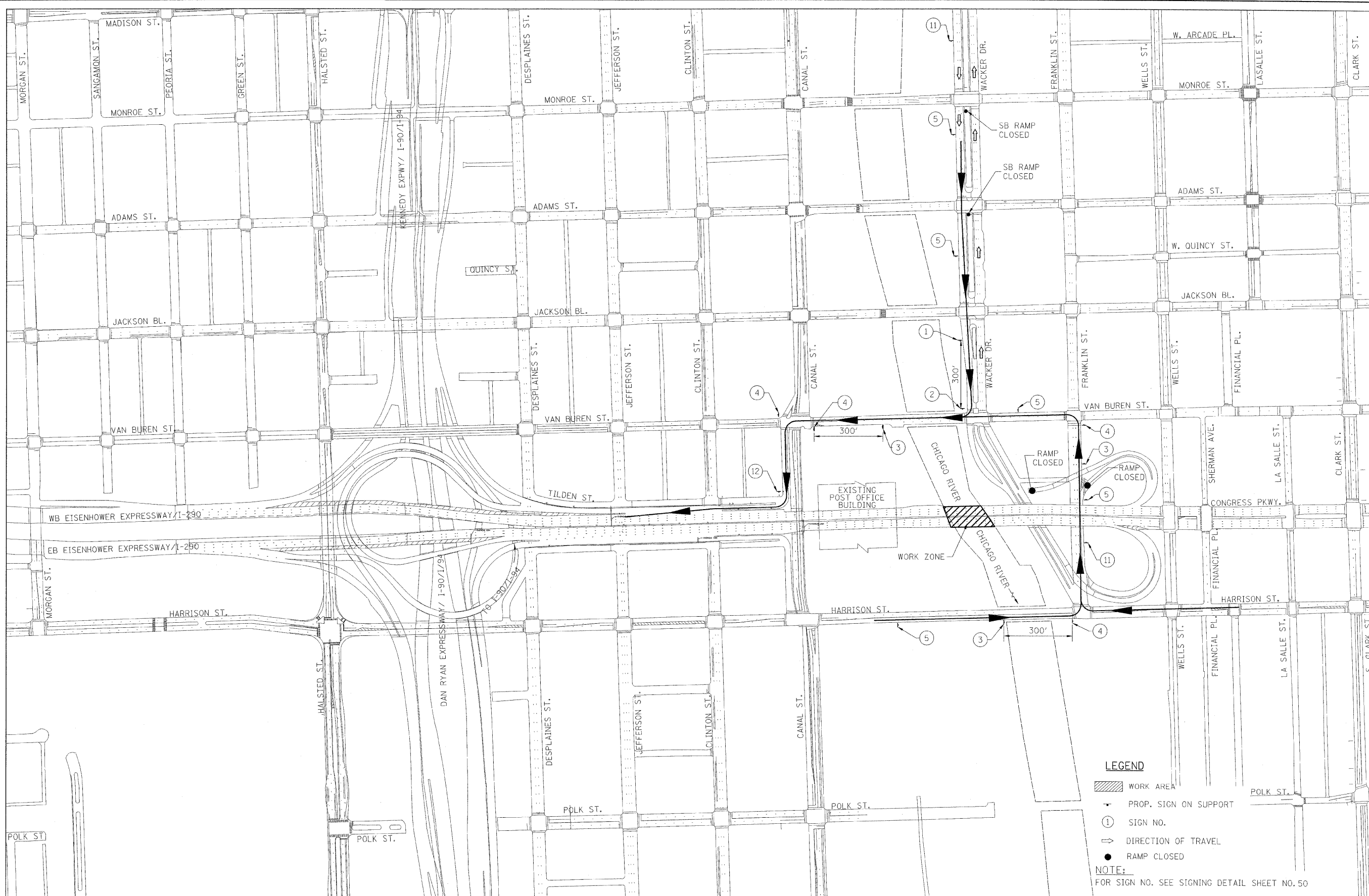
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
SUGGESTED TRAFFIC CONTROL PLANS-  
TEMPORARY SIGN PANEL DETAILS**

SCALE: NTS SHEET NO47 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	47
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				





**LEGEND**

- WORK AREA
- PROP. SIGN ON SUPPORT
- SIGN NO.
- DIRECTION OF TRAVEL
- RAMP CLOSED

**NOTE:**  
FOR SIGN NO. SEE SIGNING DETAIL SHEET NO. 50

**PB Americas, Inc.**  
230 WEST MONROE STREET,  
SUITE 900  
CHICAGO, IL. 60606

USER NAME = \$USER\$  
FILE NAME = \$FILENAME\$  
PLOT SCALE = \$SCALE\$  
PLOT DATE = 5/7/2009

DESIGNED - RT  
DRAWN - MS  
CHECKED - DS  
DATE - 5/08/09

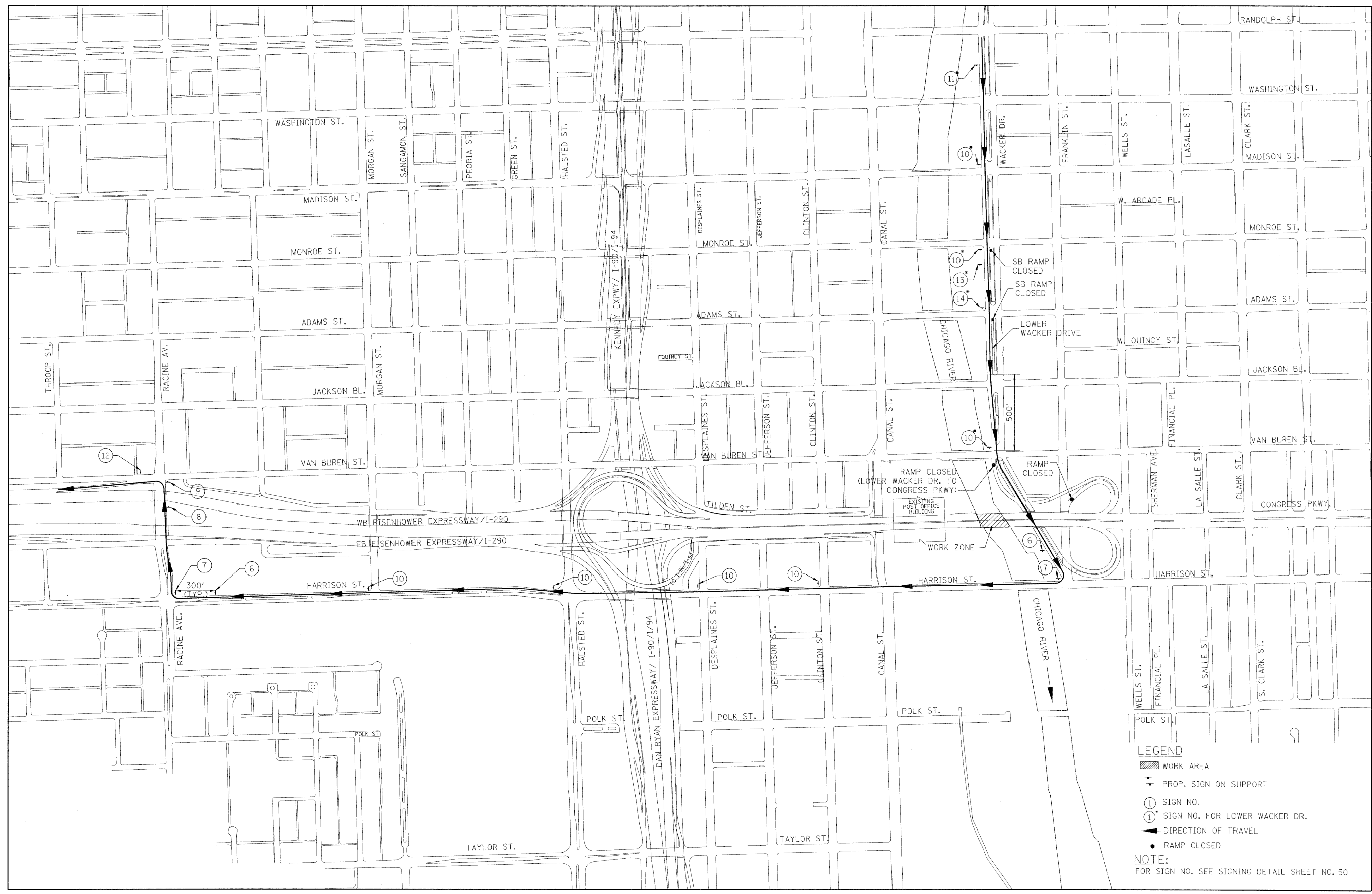
REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
DETOUR ROUTES - UPPER WACKER DR.**

SCALE: 1" = 200' SHEET NO. 48 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
389	2424-28-R	COOK	398	48
<b>CONTRACT NO. 60D61</b>				
<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>				



**LEGEND**

- WORK AREA
- PROP. SIGN ON SUPPORT
- SIGN NO.
- SIGN NO. FOR LOWER WACKER DR.
- DIRECTION OF TRAVEL
- RAMP CLOSED

**NOTE:**  
FOR SIGN NO. SEE SIGNING DETAIL SHEET NO. 50

**PB Americas, Inc.**  
230 WEST MONROE STREET,  
SUITE 900  
CHICAGO, IL. 60606

USER NAME = #USER#	DESIGNED - RT	REVISED -
FILE NAME = #FILENAME#	DRAWN - MS	REVISED -
PLOT SCALE = #SCALE#	CHECKED - DS	REVISED -
PLOT DATE = 5/6/2009	DATE - 5/08/09	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
DETOUR ROUTES - LOWER WACKER DR.**

SCALE: 1" = 300' SHEET NO. 49 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
389	2424-2B-R	COOK	398	49
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DETOUR TO

M4-8(0) 24 X 12  
M4-5 24 X 12  
M1-1 24 X 24  
M1-1 24 X 24  
M1-1 30 X 24

M5-1R 21 X 15

1

DETOUR TO

M4-8(0) 24 X 12  
M4-5 24 X 12  
M1-1 24 X 24  
M1-1 24 X 24  
M1-1 30 X 24

M6-1R 21 X 15

2

DETOUR TO

M4-8(0) 24 X 12  
M4-5 24 X 12  
M1-1 24 X 24  
M1-1 24 X 24  
M1-1 30 X 24

M5-1L 21 X 15

3

DETOUR TO

M4-8(0) 24 X 12  
M4-5 24 X 12  
M1-1 24 X 24  
M1-1 24 X 24  
M1-1 30 X 24

M6-1L 21 X 15

4

DETOUR TO

M4-8(0) 24 X 12  
M4-5 24 X 12  
M1-1 24 X 24  
M1-1 24 X 24  
M1-1 30 X 24

M6-3 21 X 15

5

DETOUR WEST

M4-8(0) 24 X 12  
M4-5 24 X 12  
M1-1 30 X 24  
M5-1R 21 X 15

6

DETOUR WEST

M4-8(0) 24 X 12  
M3-4 24 X 12  
M1-1 30 X 24  
M6-1R 21 X 15

7

DETOUR WEST

M4-8(0) 24 X 12  
M3-4 24 X 12  
M1-1 30 X 24  
M5-1L 21 X 15

8

DETOUR WEST

M4-8(0) 24 X 12  
M3-4 24 X 12  
M1-1 30 X 24  
M6-1L 21 X 15

9

DETOUR WEST

M4-8(0) 24 X 12  
M3-4 24 X 12  
M1-1 30 X 24  
M6-3 21 X 15

10

W20-2(0) 48 X 48

11

M4-8a 24 X 18

12

W20 - 5a(0) 48 X 48

13

W20 - 5(0) 48 X 48

14

NOTE:  
FOR SIGN LOCATIONS, SEE SHEET NO. 48 AND 49

**PB Americas, Inc.**  
230 WEST MONROE STREET,  
SUITE 900  
CHICAGO, IL. 60606

USER NAME = #USER#  
FILE NAME = #FILENAME#  
PLOT SCALE = #SCALE#  
PLOT DATE = 5/6/2009

DESIGNED - RT  
DRAWN - MS  
CHECKED - DS  
DATE - 5/08/09

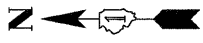
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
DETOUR ROUTES - UPPER AND LOWER WACKER DRIVE  
TEMP. SIGNING DETAILS**

SCALE: NONE SHEET NO. 50 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	50
				CONTRACT NO. 60D61
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTE:  
ONLY SIGNS TO BE MODIFIED OR TEMPORARY SHOWN ON PLAN

**PB Americas, Inc.**  
230 WEST MONROE STREET,  
SUITE 900  
CHICAGO, IL. 60606

USER NAME = #USER#  
FILE NAME = #FILENAME#  
PLOT SCALE = #SCALE#  
PLOT DATE = 5/6/2009

DESIGNED - RT  
DRAWN - MS  
CHECKED - DS  
DATE - 5/08/09

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
DETOUR ROUTES - I-90/94 EB TO CONGRESS PKWY**

SCALE: 1" = 800' SHEET NO. 51 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	51
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**EASTBOUND I-90/I-94  
EXISTING CONDITION**

**EASTBOUND I-90/I-94  
PROPOSED CONDITION**

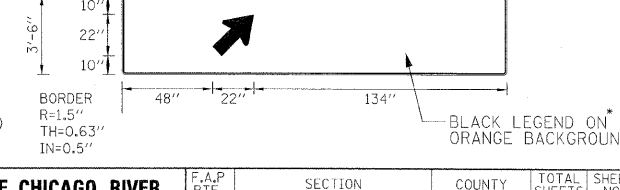
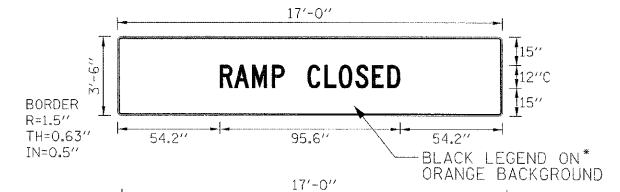
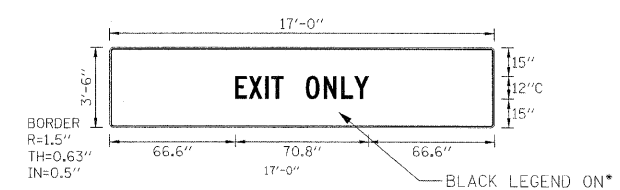
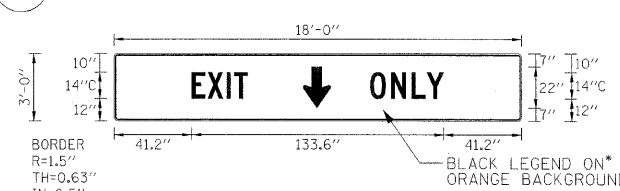
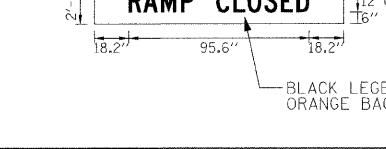
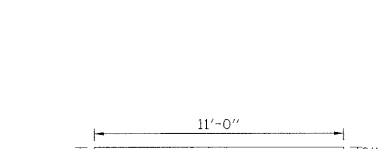
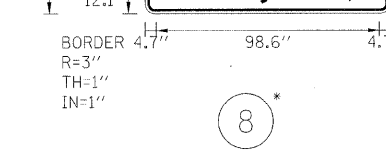
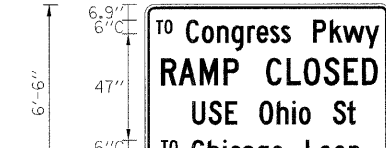
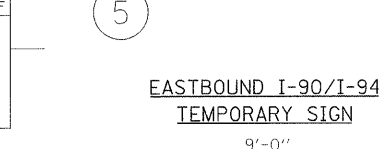
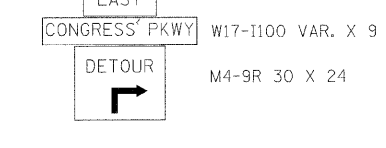
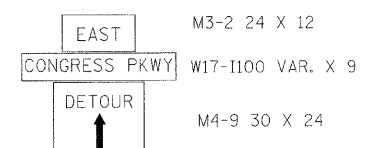
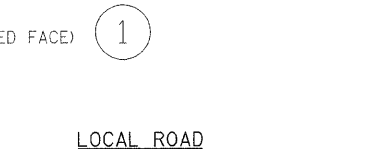
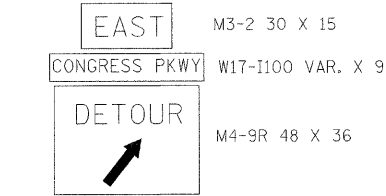
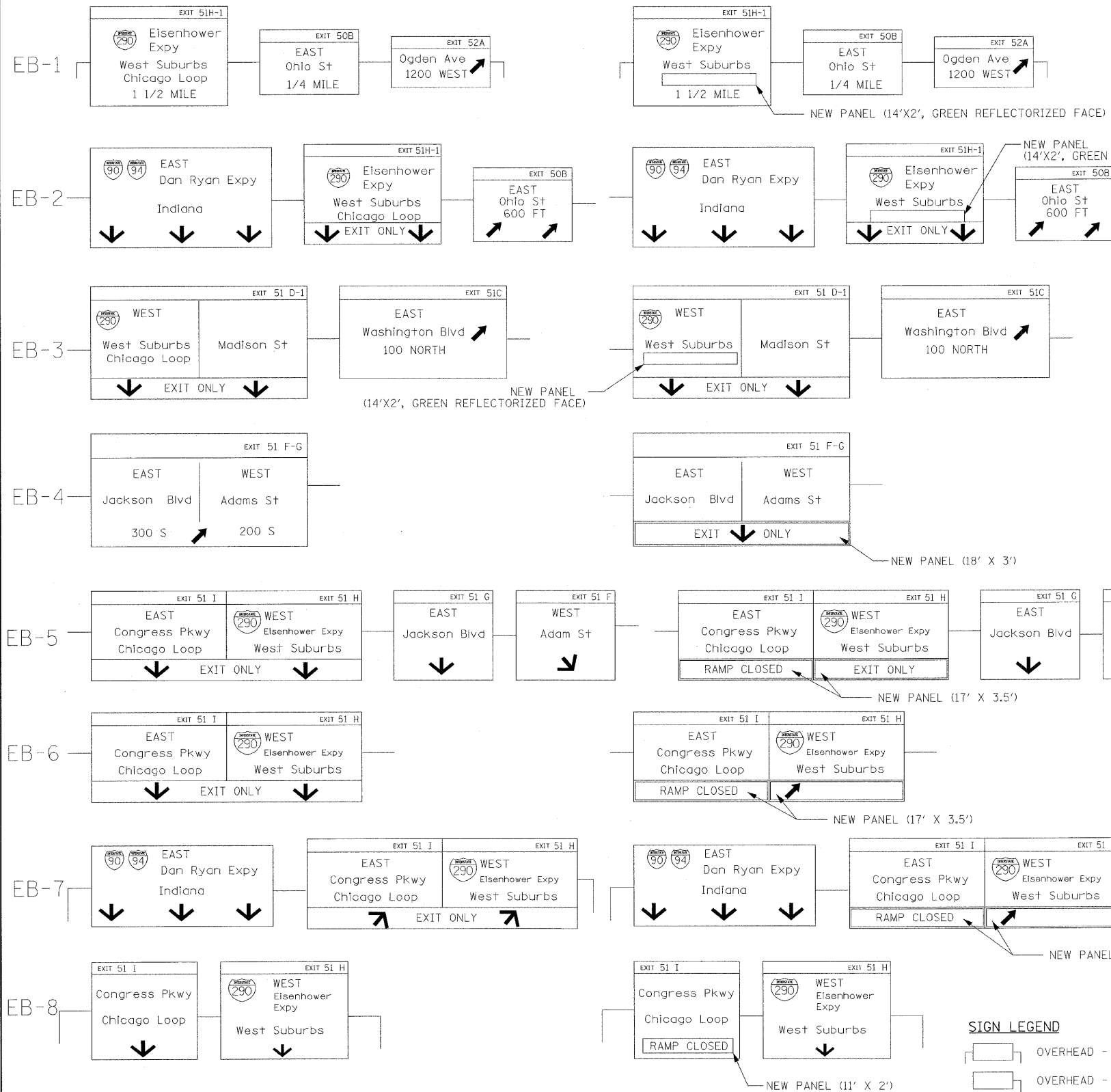
**EXPRESSWAY**

**NOTES FOR TEMPORARY SIGN PANELS \***

1. ALL TEMPORARY SIGN PANELS SHALL HAVE C WIDTH LETTERS, WHITE LEGEND, GREEN REFLECTORIZED BACKGROUND ON 5/8" PLYWOOD, UNLESS NOTED.
2. ALL SIGNS SHALL BE GROUND MOUNTED, UNLESS OTHERWISE NOTED ON THE PLAN. HOWEVER, SKID MOUNTS MAY BE SUBSTITUTED FOR GROUND MOUNTS WHERE APPROVED BY THE ENGINEER.
3. THE TEMPORARY SIGN PANELS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE SQUARE FOOT FOR TEMPORARY INFORMATION SIGNING.

**NOTE FOR LOCAL ROAD AND EXPRESSWAY SIGN PANELS:**

1. LOCATIONS OF SIGNS MAY BE VARIED SLIGHTLY AS DIRECTED BY THE ENGINEER TO FACILITATE OPERATIONS IN THE FIELD.



**PB Americas, Inc.**  
 230 WEST MONROE STREET,  
 SUITE 900  
 CHICAGO, IL. 60606

USER NAME = #USER#  
 FILE NAME = #FILENAME#  
 PLOT SCALE = #SCALE#  
 PLOT DATE = 5/7/2009

DESIGNED - RT  
 DRAWN - MS  
 CHECKED - DS  
 DATE - 5/08/09

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
 DETOUR ROUTES -  
 I-90/94 EB TO CONGRESS PARKWAY TEMP. SIGNING DETAILS**

SCALE: NONE SHEET NO. 52 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTL. 389	SECTION 2424-2B-R	COUNTY COOK	TOTAL SHEETS 398	SHEET NO. 52
CONTRACT NO. 60D61				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



**PB Americas, Inc.**  
 230 WEST MONROE STREET,  
 SUITE 900  
 CHICAGO, IL. 60606

USER NAME = #USER#  
 FILE NAME = #FILENAME#  
 PLOT SCALE = #SCALE#  
 PLOT DATE = 5/6/2009

DESIGNED - RT  
 DRAWN - MS  
 CHECKED - DS  
 DATE - 5/08/09

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

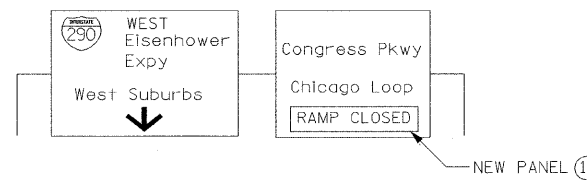
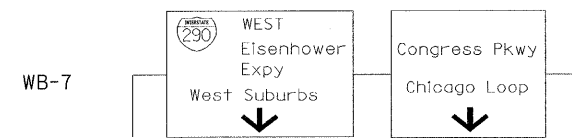
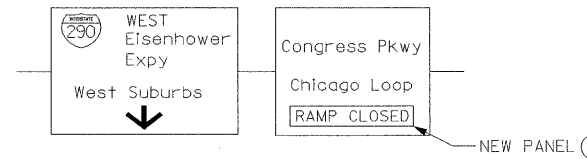
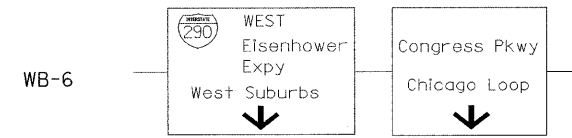
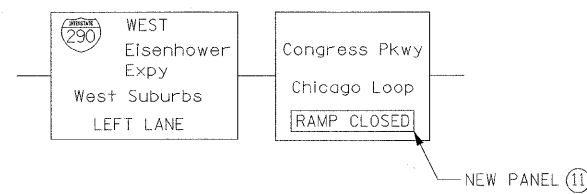
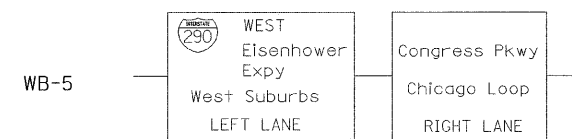
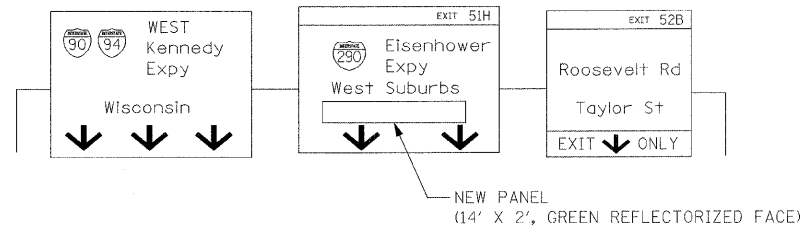
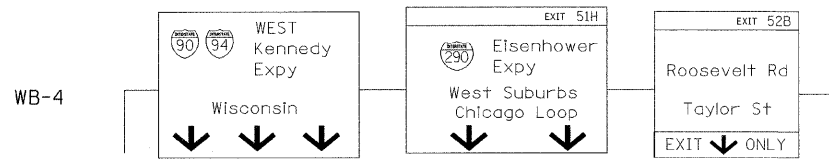
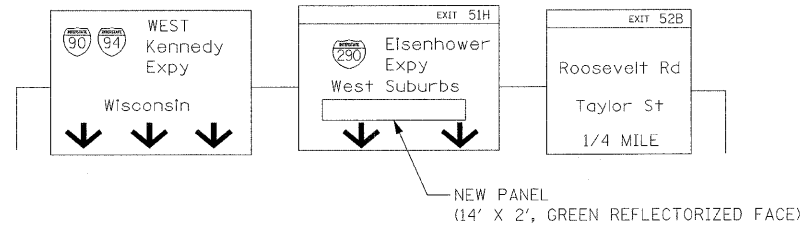
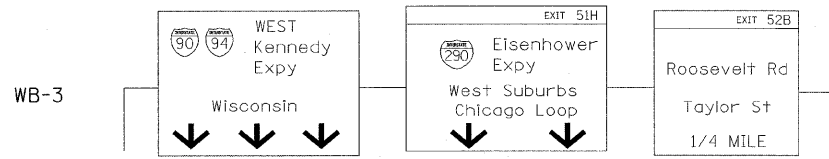
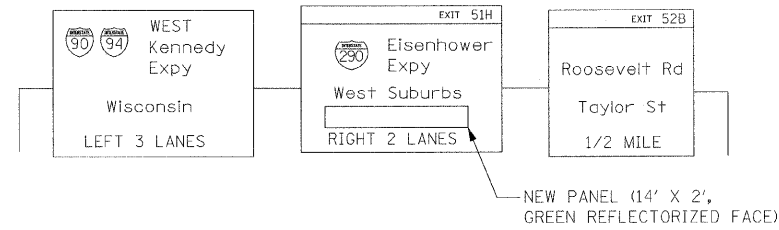
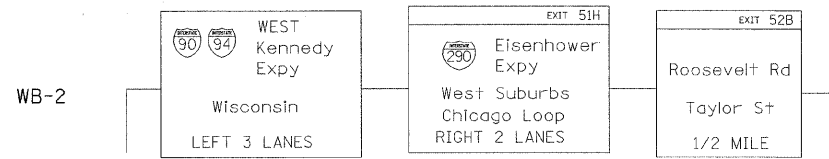
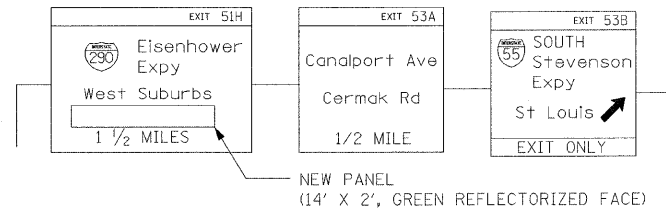
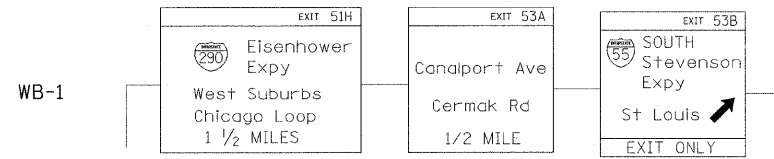
**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
 DETOUR ROUTES - I-90/94 WB TO CONGRESS PKWY**

SCALE: 1" = 800' SHEET NO. 53 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

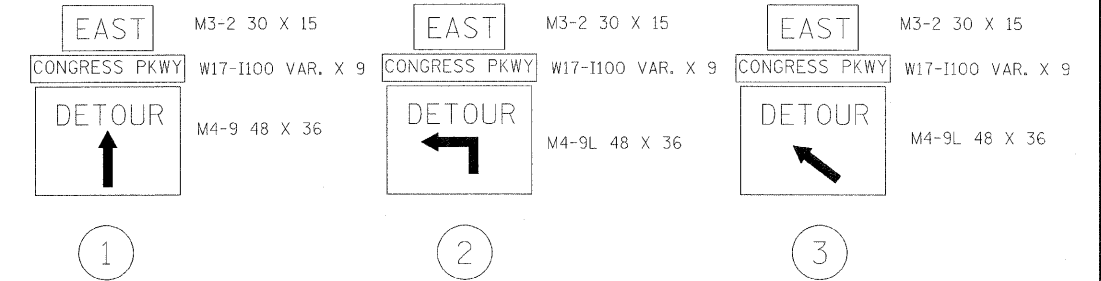
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	53
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

**WESTBOUND I-90/I-94  
EXISTING CONDITION**

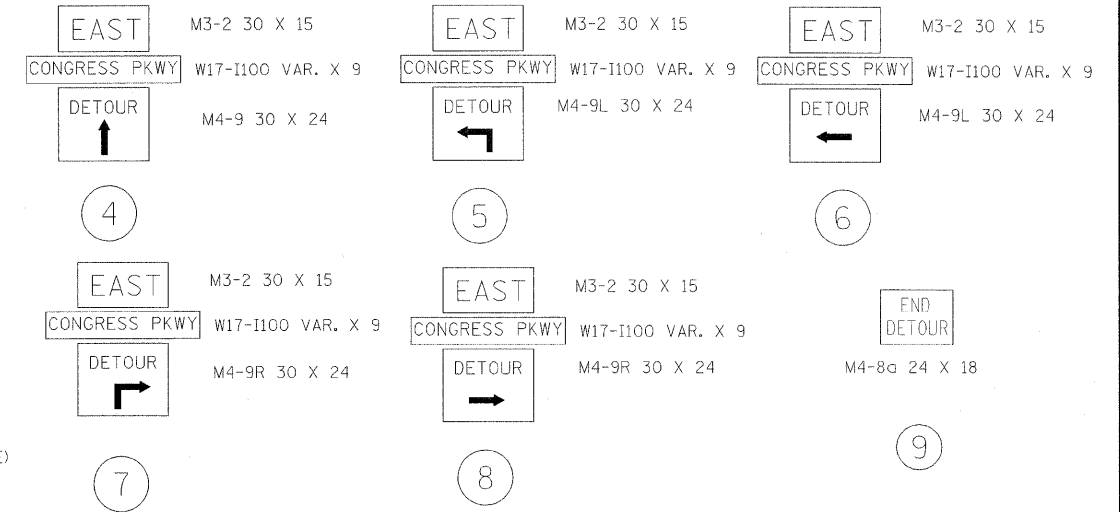
**WESTBOUND I-90/I-94  
STAGE I & STAGE II**



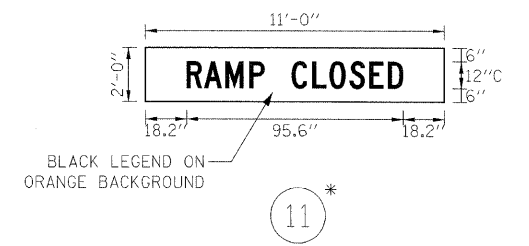
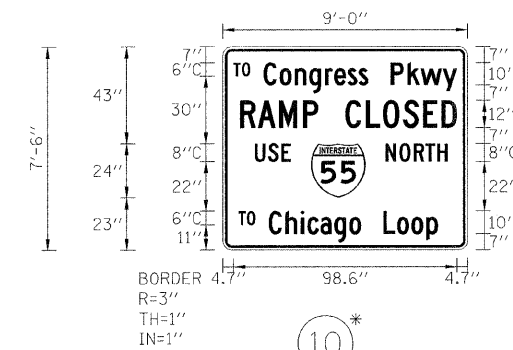
**EXPRESSWAY**



**LOCAL ROAD**



**WESTBOUND I-90/I-94  
TEMPORARY SIGN**



**SIGN LEGEND**

- OVERHEAD - SPAN
- OVERHEAD - CANTILEVER
- BRIDGE MOUNTED

**NOTES FOR TEMPORARY SIGN PANELS \***

1. ALL TEMPORARY SIGN PANELS SHALL HAVE CAP WIDTH LETTERS, WHITE LEGEND, GREEN REFLECTORIZED BACKGROUND ON 5/8" PLYWOOD, UNLESS NOTED.
2. ALL SIGNS SHALL BE GROUND MOUNTED, UNLESS OTHERWISE NOTED ON THE PLAN. HOWEVER, SKID MOUNTS MAY BE SUBSTITUTED FOR GROUND MOUNTS WHERE APPROVED BY THE ENGINEER.
3. THE TEMPORARY SIGN PANELS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE SQUARE FOOT FOR TEMPORARY INFORMATION SIGNING.

**NOTE FOR LOCAL ROAD & EXPRESSWAY SIGN PANELS:**

1. LOCATIONS OF SIGNS MAY BE VARIED SLIGHTLY AS DIRECTED BY THE ENGINEER TO FACILITATE OPERATIONS IN THE FIELD.

**PB Americas, Inc.**  
230 WEST MONROE STREET,  
SUITE 900  
CHICAGO, IL. 60606

USER NAME = #USER#  
FILE NAME = #FILENAME#  
PLOT SCALE = #SCALE#  
PLOT DATE = 6/6/2009

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DRAWN - MS  
CHECKED - DS  
DATE - 5/08/09

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REVISED -  
REVISED -  
REVISED -

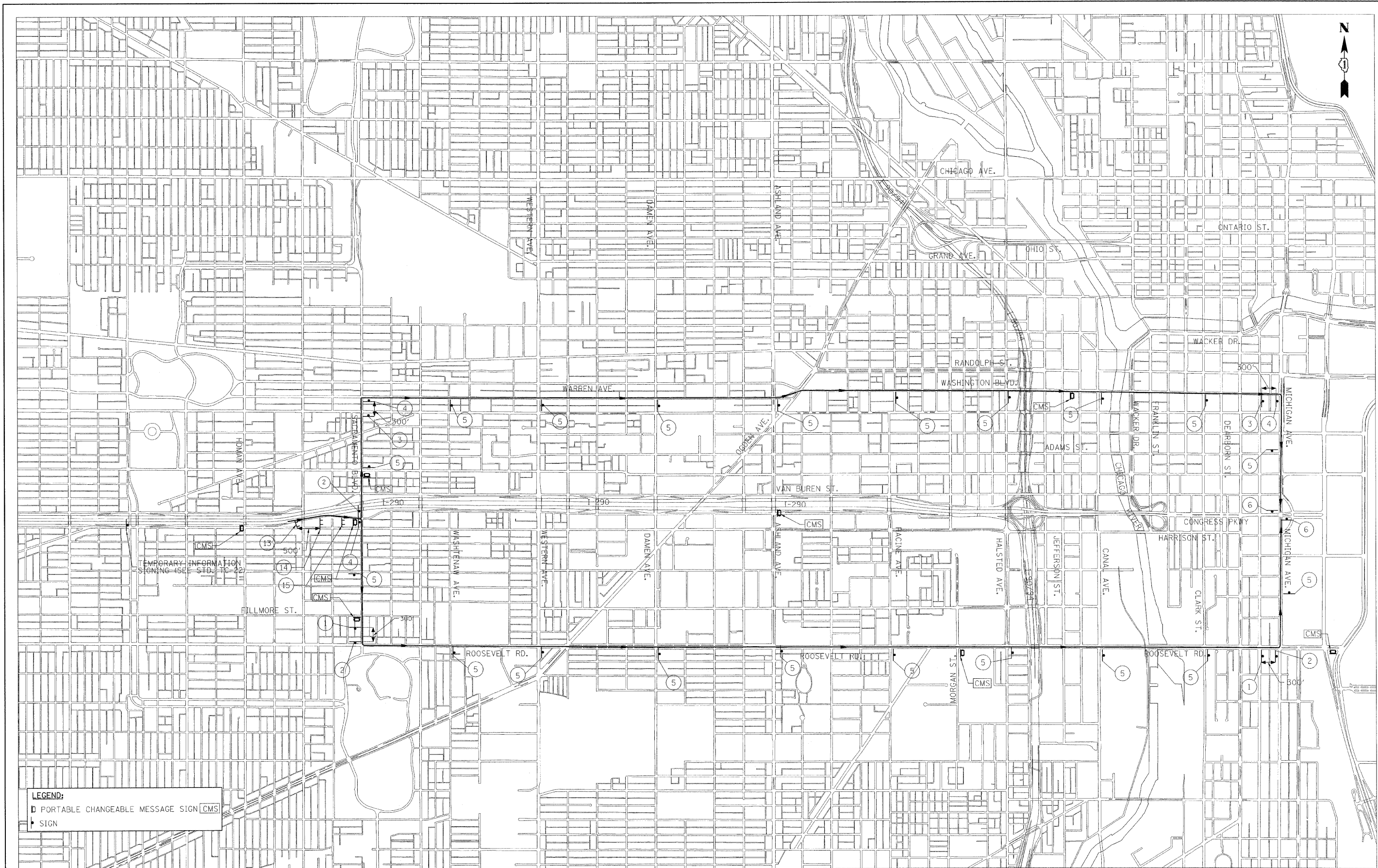
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
DETOUR ROUTES -  
I-90/94 WB TO CONGRESS PARKWAY TEMP. SIGNING DETAILS**

SCALE: NONE

SHEET NO. 54 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	54
CONTRACT NO. 60D61			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



**LEGEND:**  
 □ PORTABLE CHANGEABLE MESSAGE SIGN (CMS)  
 ▲ SIGN

**PB Americas, Inc.**  
 230 WEST MONROE STREET,  
 SUITE 900  
 CHICAGO, IL. 60606

USER NAME = #USER#	DESIGNED - RT	REVISED -
FILE NAME = #FILENAME#	DRAWN - MS	REVISED -
PLOT SCALE = #SCALE#	CHECKED - DS	REVISED -
PLOT DATE = 5/6/2009	DATE - 5/08/09	REVISED -

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DRAWN - MS	REVISED -
CHECKED - DS	REVISED -
DATE - 5/08/09	REVISED -

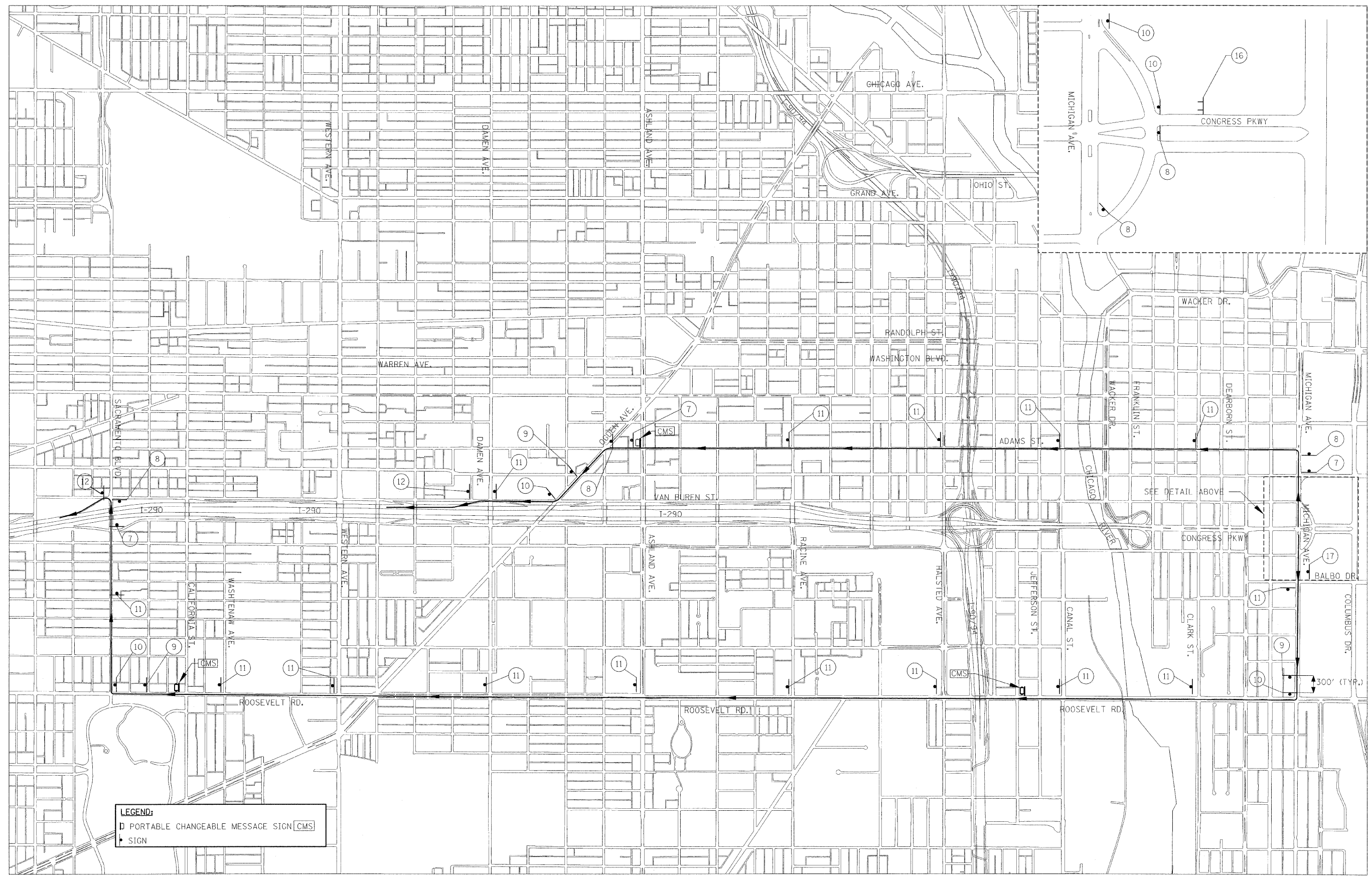
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
 ALTERNATE ROUTES - CONGRESS PARKWAY INBOUND**

SCALE: 1" = 1000' SHEET 56 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	55
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





**LEGEND:**  
 □ PORTABLE CHANGEABLE MESSAGE SIGN [CMS]  
 • SIGN

**PB Americas, Inc.**  
 230 WEST MONROE STREET,  
 SUITE 900  
 CHICAGO, IL. 60606

USER NAME = #USER#  
 FILE NAME = #FILENAME#  
 PLOT SCALE = #SCALE#  
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DESIGNED - RT  
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 DATE - 5/08/09

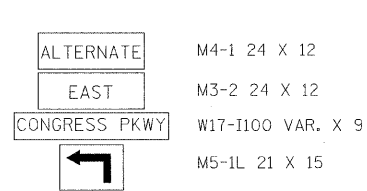
REVISED -  
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 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
 ALTERNATE ROUTES - CONGRESS PARKWAY OUTBOUND**

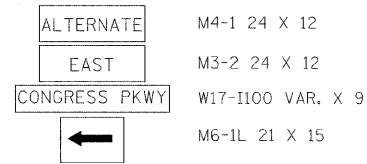
SCALE: 1" = 800' SHEET NO. 56 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	56
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



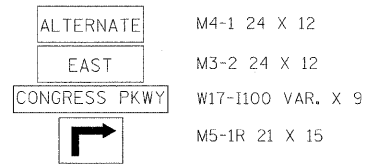
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M4-1 24 X 12  
M3-2 24 X 12  
W17-I100 VAR. X 9  
M5-1L 21 X 15



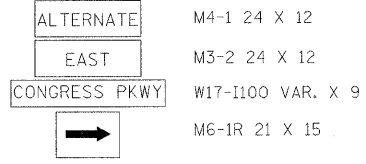
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M4-1 24 X 12  
M3-2 24 X 12  
W17-I100 VAR. X 9  
M6-1L 21 X 15



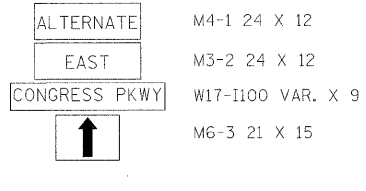
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M4-1 24 X 12  
M3-2 24 X 12  
W17-I100 VAR. X 9  
M5-1R 21 X 15



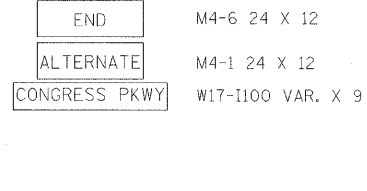
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M4-1 24 X 12  
M3-2 24 X 12  
W17-I100 VAR. X 9  
M6-1R 21 X 15



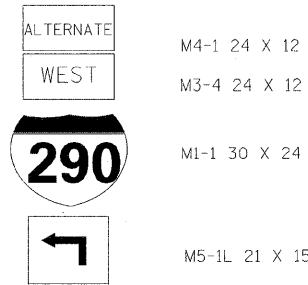
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W17-I100 VAR. X 9  
M6-3 21 X 15



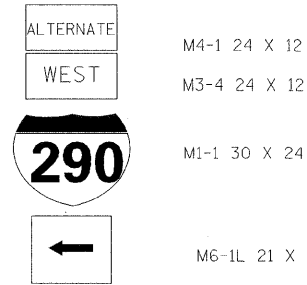
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M4-1 24 X 12  
W17-I100 VAR. X 9



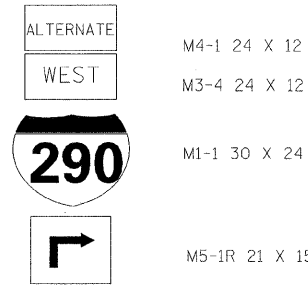
7

M4-1 24 X 12  
M3-4 24 X 12  
M1-1 30 X 24  
M5-1L 21 X 15



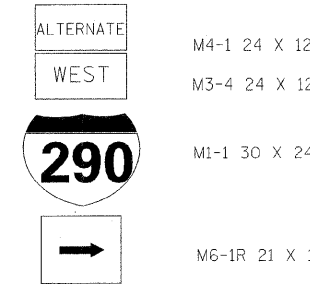
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M4-1 24 X 12  
M3-4 24 X 12  
M1-1 30 X 24  
M6-1L 21 X 15



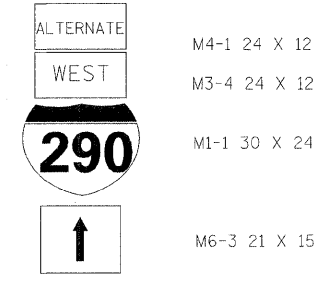
9

M4-1 24 X 12  
M3-4 24 X 12  
M1-1 30 X 24  
M5-1R 21 X 15



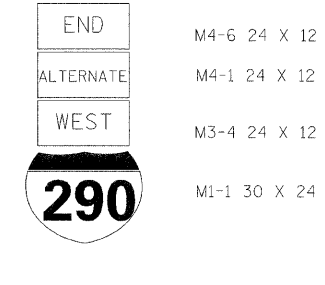
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M3-4 24 X 12  
M1-1 30 X 24  
M6-1R 21 X 15



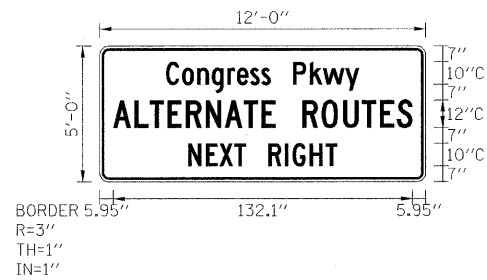
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M3-4 24 X 12  
M1-1 30 X 24  
M6-3 21 X 15

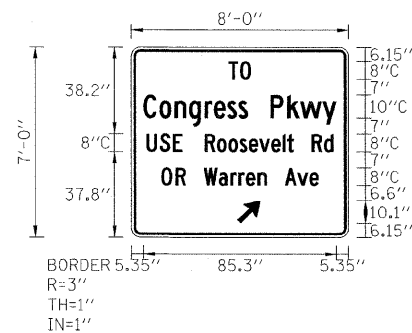


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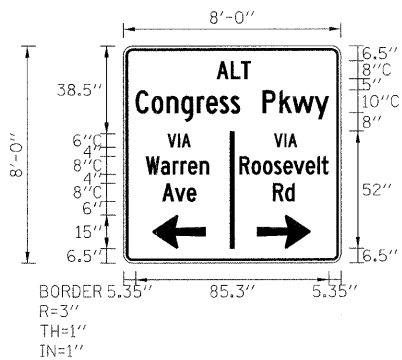
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M1-1 30 X 24



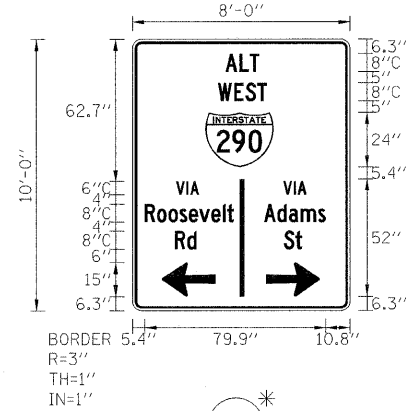
13\*



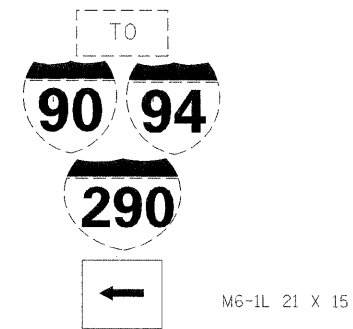
14\*



15\*



16\*



17

M6-1L 21 X 15

NOTES FOR TEMPORARY SIGN PANELS \*

- ALL TEMPORARY SIGN PANELS SHALL HAVE C WIDTH LETTERS, WHITE LEGEND, GREEN REFLECTORIZED BACKGROUND ON 5/8" PLYWOOD, UNLESS NOTED.
- ALL SIGNS SHALL BE GROUND MOUNTED. HOWEVER, SKID MOUNTS MAY BE SUBSTITUTED FOR GROUND MOUNTS WHERE APPROVED BY THE ENGINEER.
- THE TEMPORARY SIGN PANELS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE SQUARE FOOT FOR TEMPORARY INFORMATION SIGNING.

NOTE FOR LOCAL ROAD ALTERNATE SIGN:

- LOCATIONS OF SIGNS MAY BE VARIED SLIGHTLY AS DIRECTED BY THE ENGINEER TO FACILITATE OPERATIONS IN THE FIELD.

**PB Americas, Inc.**  
230 WEST MONROE STREET,  
SUITE 900  
CHICAGO, IL. 60606

USER NAME = #USER#  
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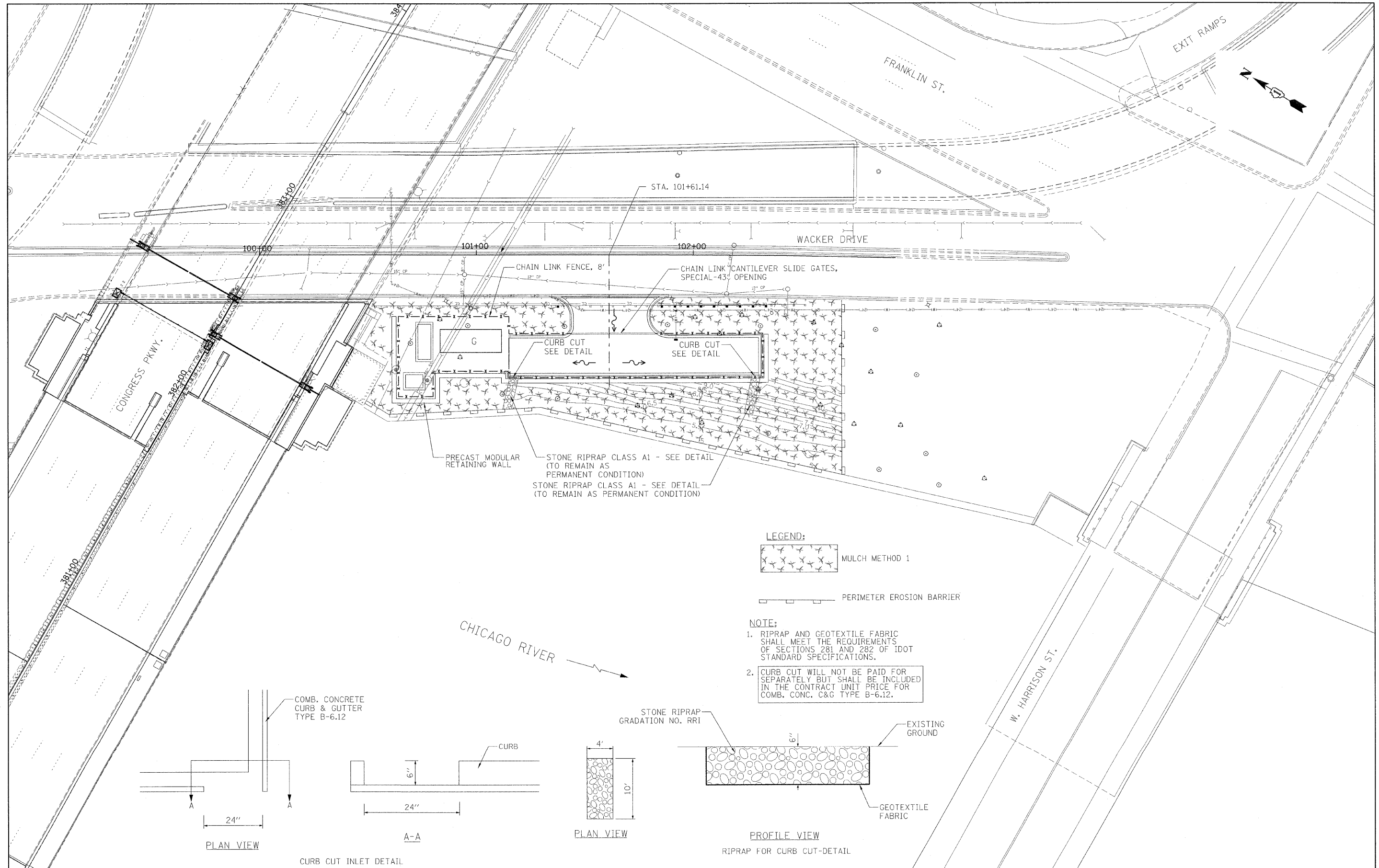
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
ALTERNATE ROUTES - TEMP. SIGNING DETAILS**

SCALE: NTS SHEET N057 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	57
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



**PB Americas, Inc.**  
 230 WEST MONROE STREET,  
 SUITE 900  
 CHICAGO, IL. 60606

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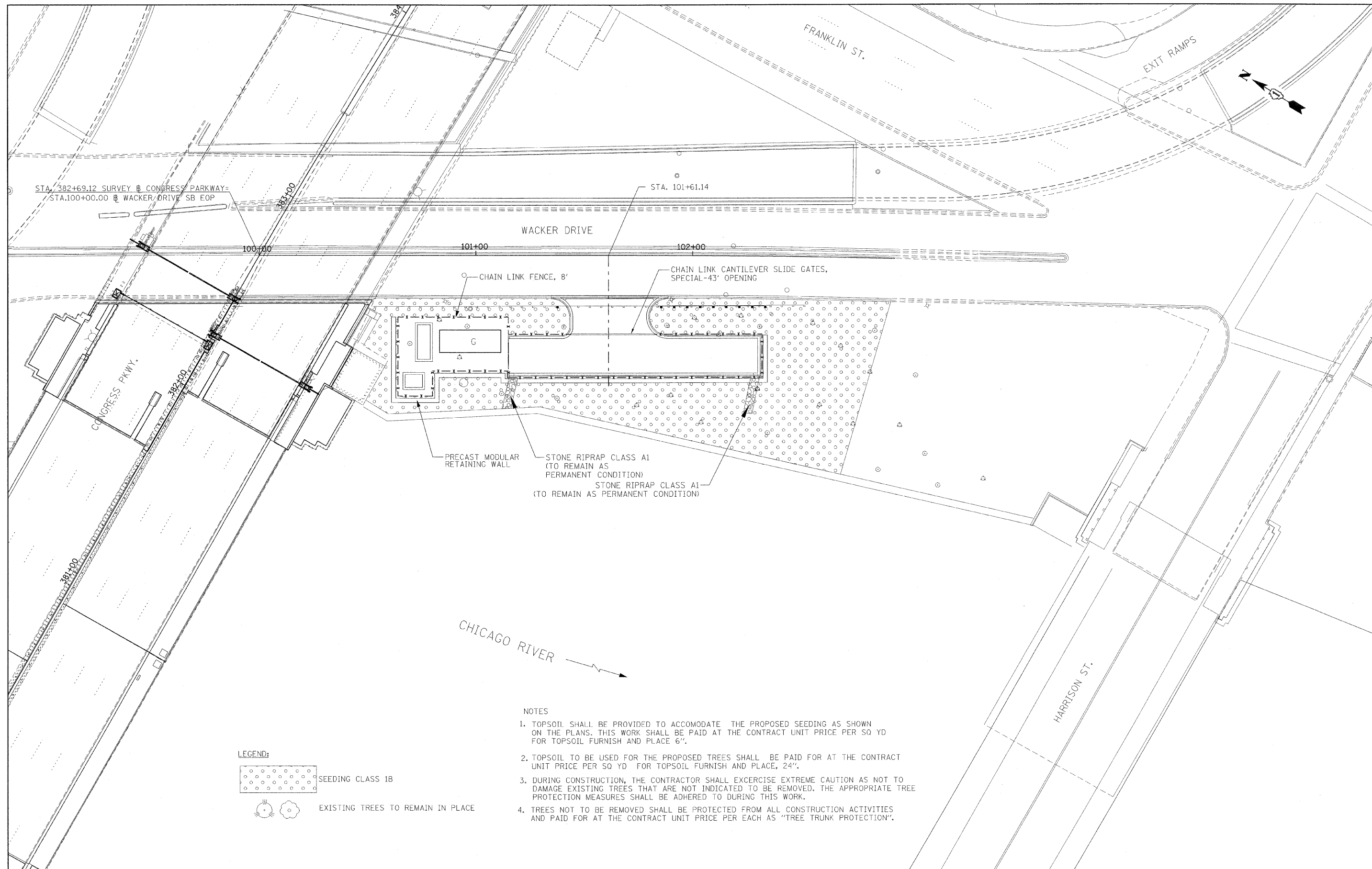
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**



**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
 GENERATOR ACCESS DRIVE -  
 DRAINAGE & EROSION CONTROL PLAN**

SCALE: 1" = 20' SHEET NO. 58 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	58
CONTRACT NO. 60D61			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



CHICAGO RIVER

- LEGEND:
-  SEEDING CLASS 1B
  -  EXISTING TREES TO REMAIN IN PLACE

- NOTES
1. TOPSOIL SHALL BE PROVIDED TO ACCOMODATE THE PROPOSED SEEDING AS SHOWN ON THE PLANS. THIS WORK SHALL BE PAID AT THE CONTRACT UNIT PRICE PER SQ YD FOR TOPSOIL FURNISH AND PLACE 6".
  2. TOPSOIL TO BE USED FOR THE PROPOSED TREES SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER 50 YD FOR TOPSOIL FURNISH AND PLACE, 24".
  3. DURING CONSTRUCTION, THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION AS NOT TO DAMAGE EXISTING TREES THAT ARE NOT INDICATED TO BE REMOVED. THE APPROPRIATE TREE PROTECTION MEASURES SHALL BE ADHERED TO DURING THIS WORK.
  4. TREES NOT TO BE REMOVED SHALL BE PROTECTED FROM ALL CONSTRUCTION ACTIVITIES AND PAID FOR AT THE CONTRACT UNIT PRICE PER EACH AS "TREE TRUNK PROTECTION".

**PB Americas, Inc.**  
 230 WEST MONROE STREET,  
 SUITE 900  
 CHICAGO, IL. 60606

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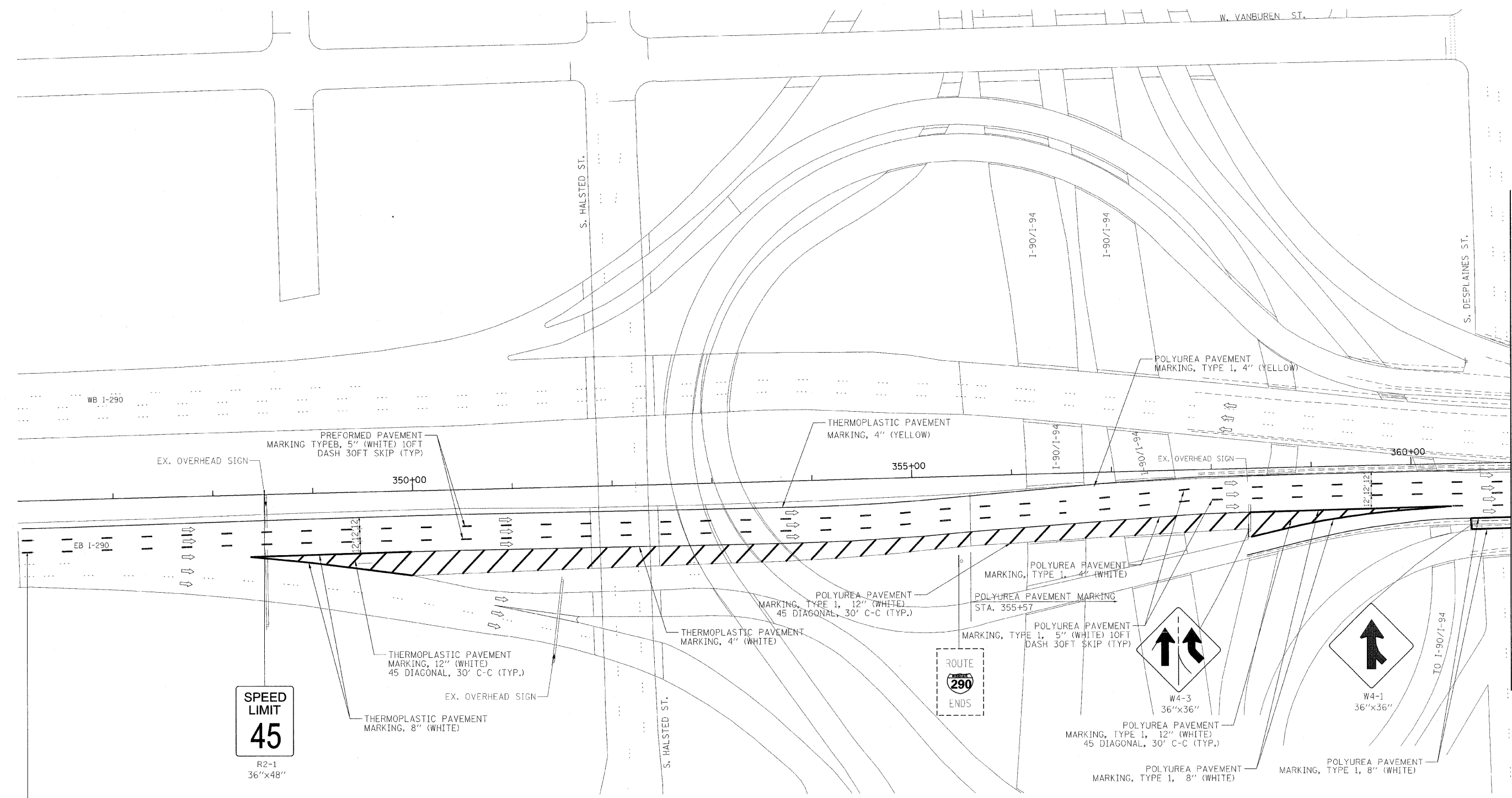
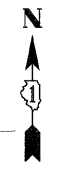
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
 GENERATOR ACCESS DRIVE - LANDSCAPING PLAN**

SCALE: 1" = 20' SHEET NO. 59 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	59
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

**LEGEND**  
 [Solid Line] PROPOSED SIGN  
 [Dashed Line] EXISTING SIGN  
 [Arrow] DIRECTION OF TRAVEL



MATCH LINE STA 361+00.00

REMOVE TEMP. PAVEMENT MARKING TAPE 8" (3' DASH - 9' SKIP) BETWEEN LANE 2 AND 3 TO RACINE AVE. (FROM STA. 325+87 TO STA. 343+88) AND 8" WHITE LINE FROM STA. 343+88 TO STA. 346+88 AND REPLACE LANE LINE WITH PREFORMED PAVEMENT MARKING, 5" WHITE (10' DASH - 30' SKIP).

**PB Americas, Inc.**  
 230 WEST MONROE STREET,  
 SUITE 900  
 CHICAGO, IL. 60606

USER NAME = #USER#	DESIGNED - RT	REVISED -
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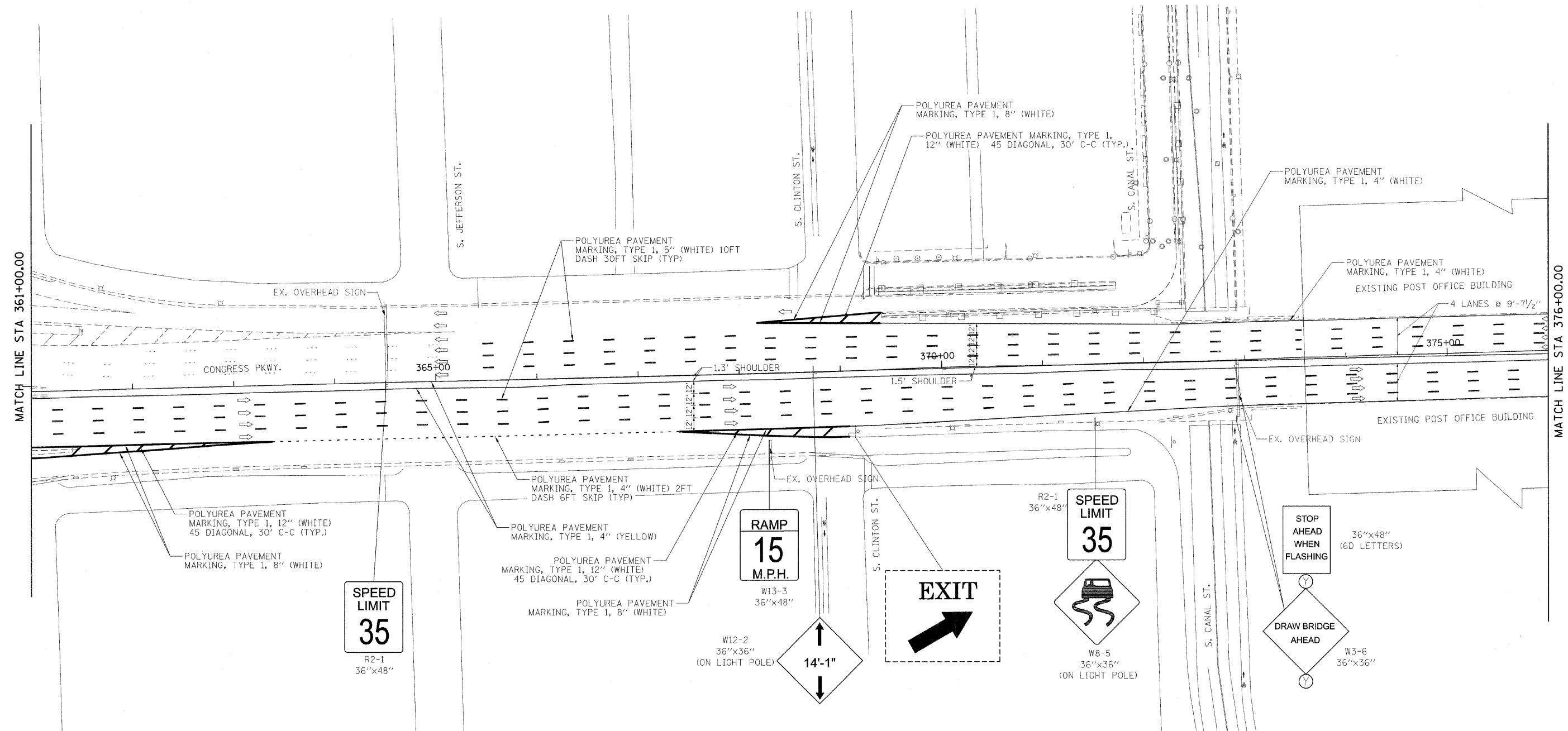
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
 PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1" = 50'    SHEET NO. 60 OF 83 SHEETS    STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	60
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60D61	

**LEGEND**  
 [Solid Line] PROPOSED SIGN  
 [Dashed Line] EXISTING SIGN  
 [Arrow] DIRECTION OF TRAVEL



**PB Americas, Inc.**  
 230 WEST MONROE STREET,  
 SUITE 900  
 CHICAGO, IL. 60606

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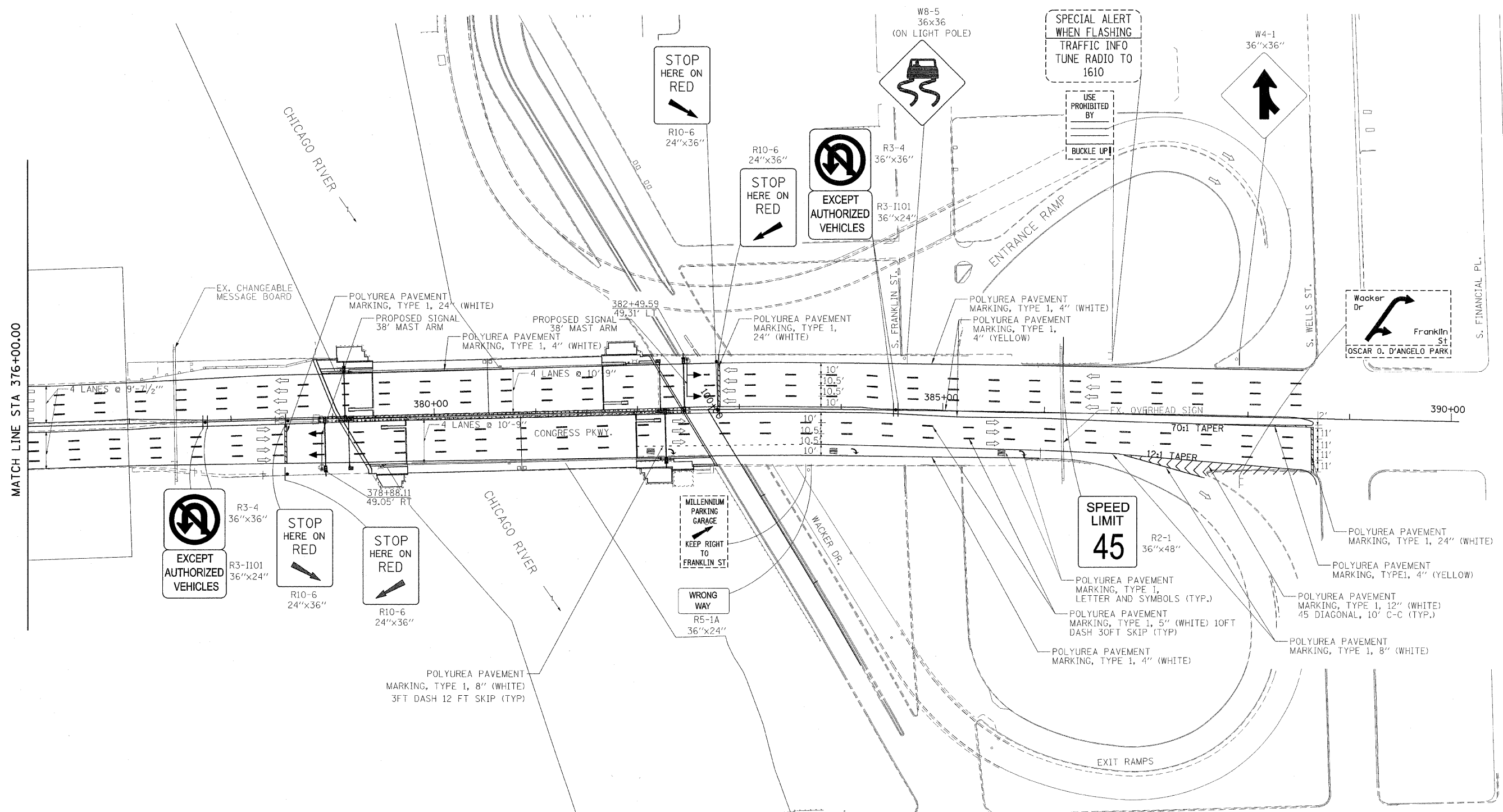
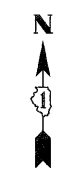
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
 PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1" = 50'    SHEET NO. 61 OF 83 SHEETS    STA. 377+01.00 TO STA. 382+45.28

F.A.P. R.T.E. 389	SECTION 2424-2B-R	COUNTY COOK	TOTAL SHEETS 398	SHEET NO. 61
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				

**LEGEND**  
 [Solid Line] PROPOSED SIGN  
 [Dashed Line] EXISTING SIGN  
 [Arrow] DIRECTION OF TRAVEL



**PB Americas, Inc.**  
 230 WEST MONROE STREET,  
 SUITE 900  
 CHICAGO, IL. 60606

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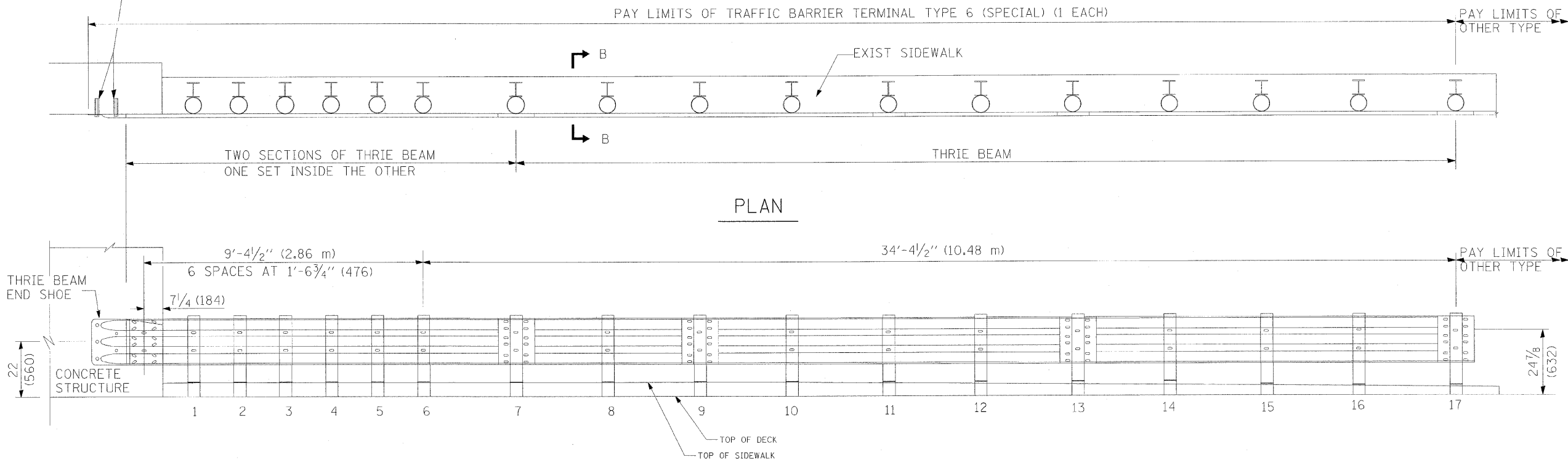
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
 PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1" = 50'    SHEET NO. 62 OF 83 SHEETS    STA. 377+01.00 TO STA. 382+45.28

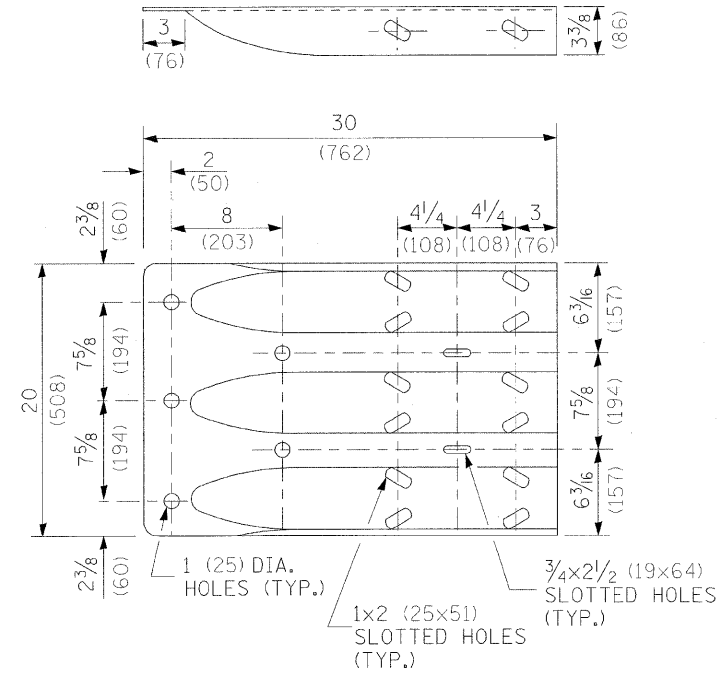
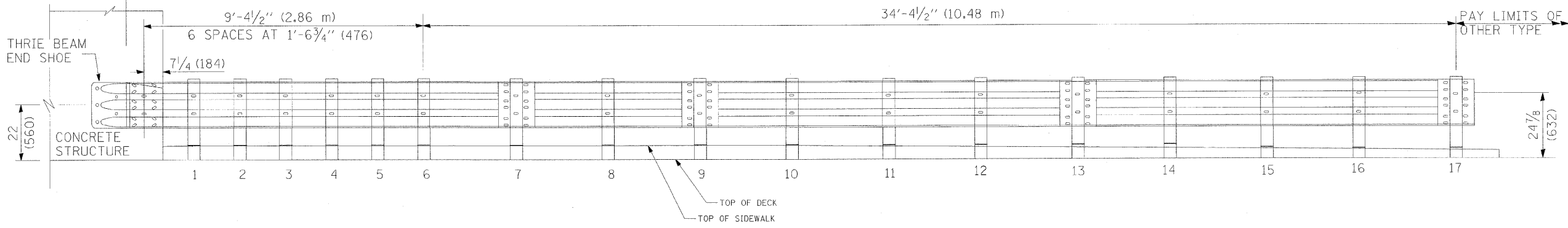
F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	62
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

5 EPOXY GROUTED  $\frac{3}{4}$ " (M20) ANCHOR BOLTS WITH STANDARD WASHERS. AFTER TIGHTENING, CUT THE ANCHOR BOLTS FLUSH WITH THE NUTS, AND DAMAGE THE NUTS TO PREVENT THEM FROM LOOSENING.

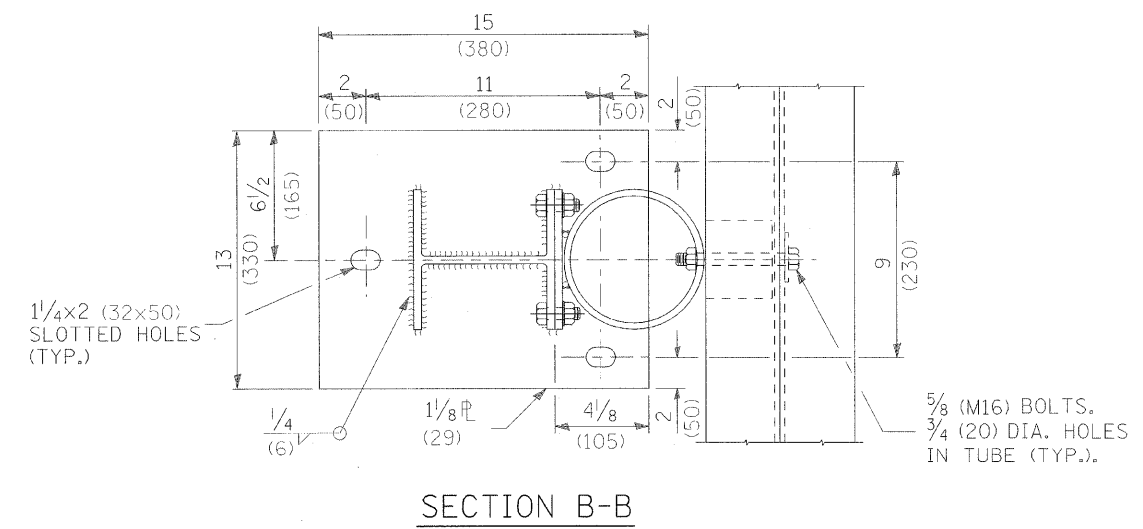


PLAN

ELEVATION



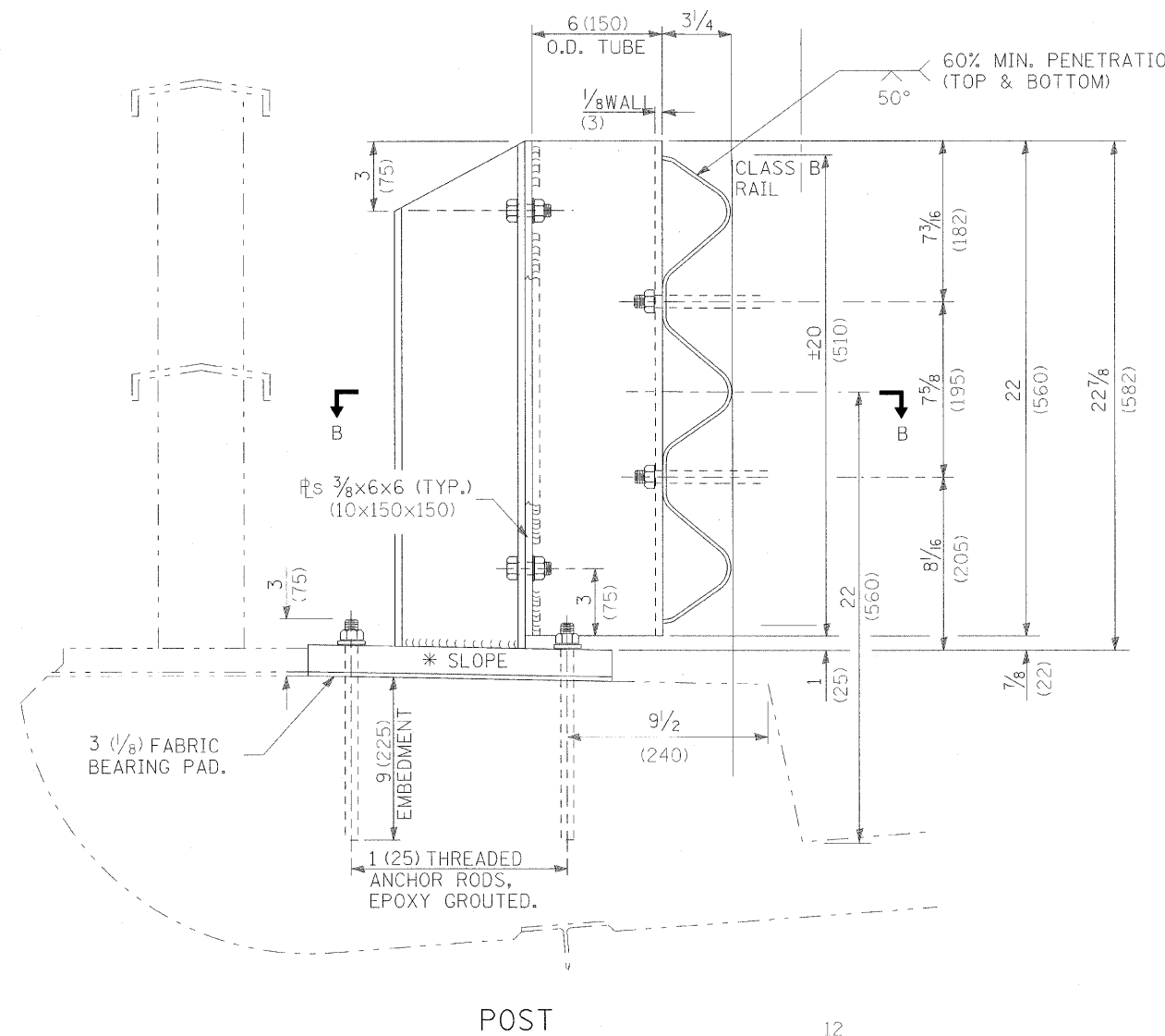
THRIE BEAM END SHOE DETAIL



SECTION B-B

<b>PB Americas, Inc.</b> 230 WEST MONROE STREET, SUITE 900 CHICAGO, IL. 60606	USER NAME = #USER#	DESIGNED - DM	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER</b>		F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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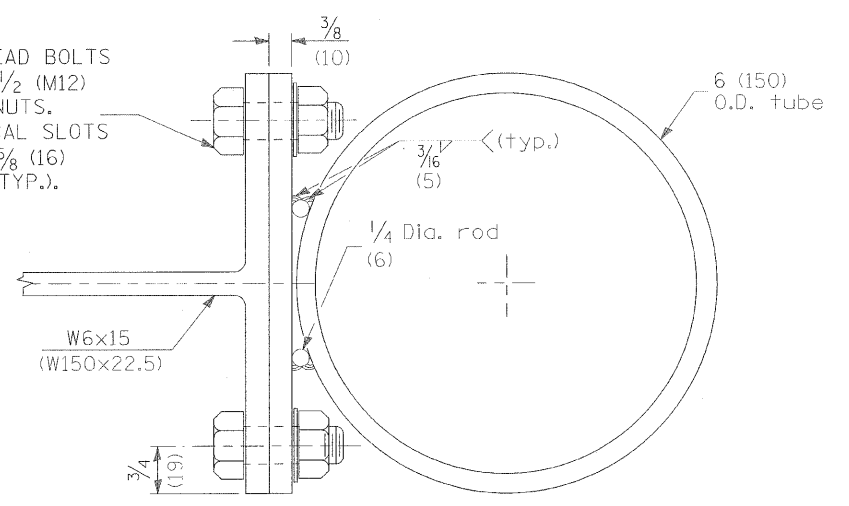




POST

12  
1/4  
\* SLOPE CUT BOTTOM OF POST TO SLOPE

1/2x1/4 (M12x32) HEX HEAD BOLTS WITH HEX NUTS AND 1/2 (M12) FLAT WASHER UNDER NUTS. 5/8x1/2 (16x38) VERTICAL SLOTS IN 3/8 (10) PLATE AND 5/8 (16) DIA. HOLES IN POST (TYP.).



TUBE TO POST ATTACHMENT

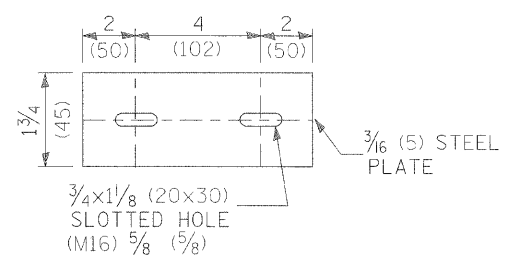


PLATE WASHER B

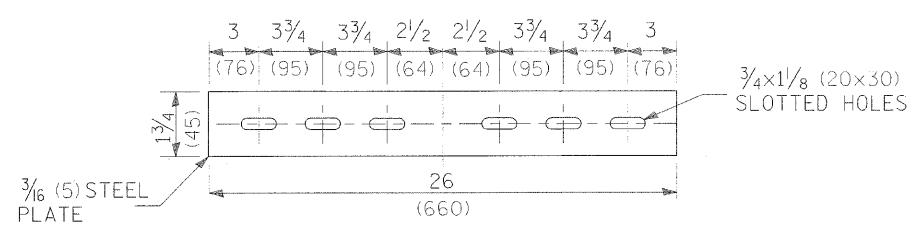


PLATE WASHER C

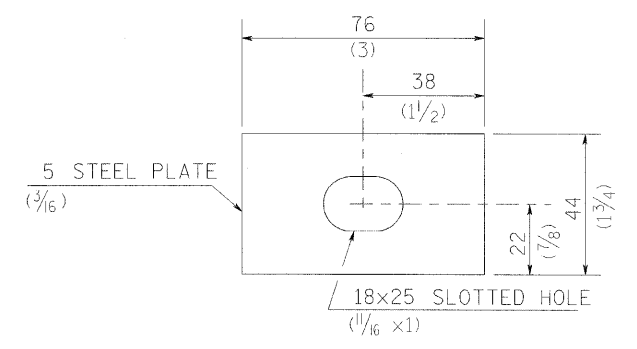


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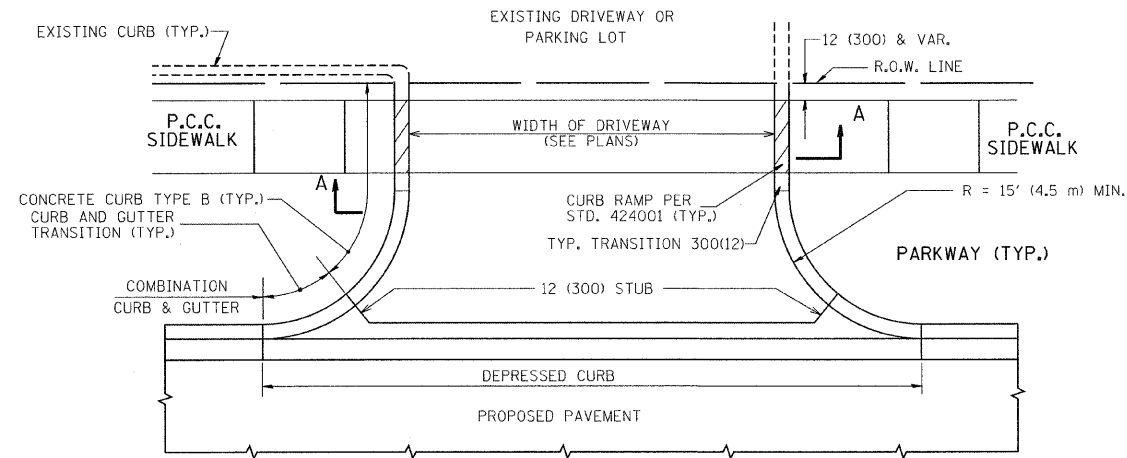
**PB Americas, Inc.**  
230 WEST MONROE STREET,  
SUITE 900  
CHICAGO, IL. 60606

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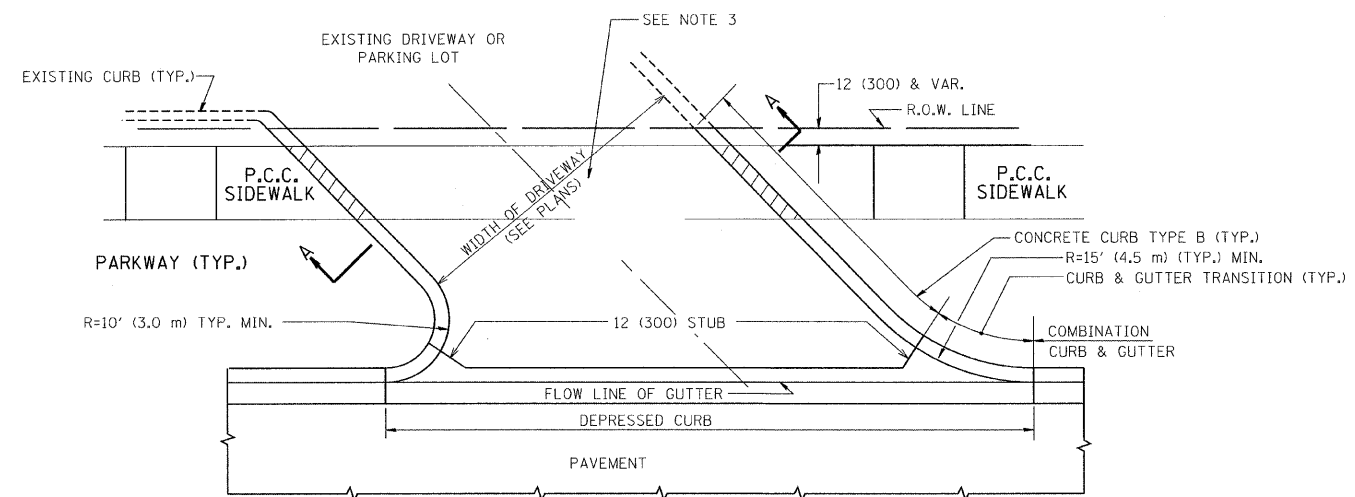
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER  
TRAFFIC BARRIER TERMINAL, TYPE 6 (SPECIAL) SHEET 2 OF 2**  
SCALE: NONE SHEET NO. 64 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

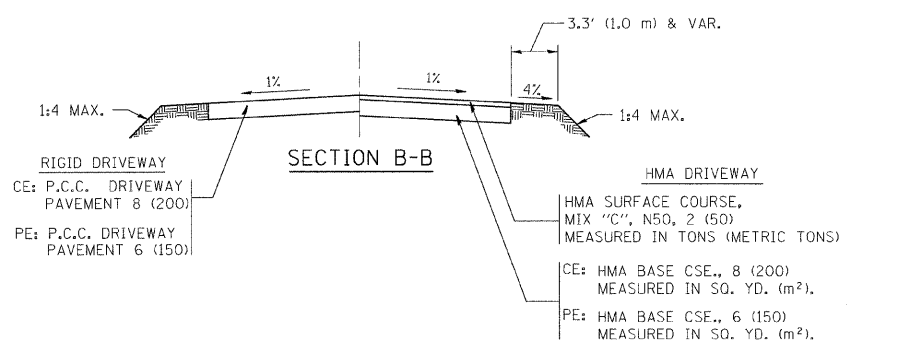
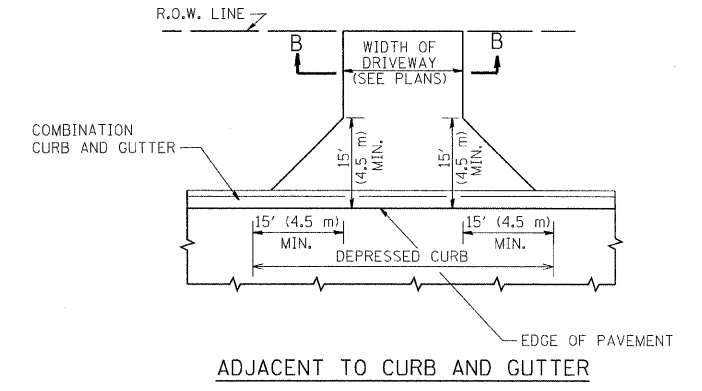
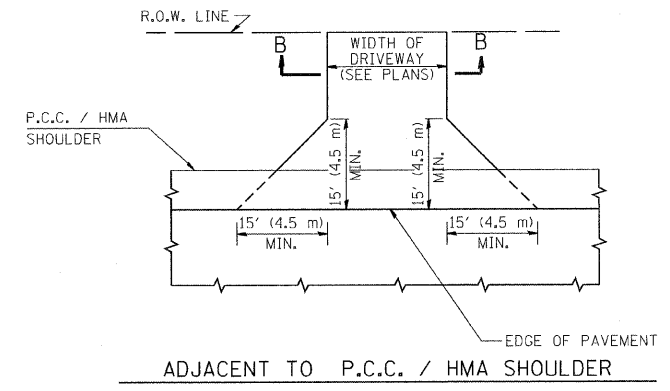
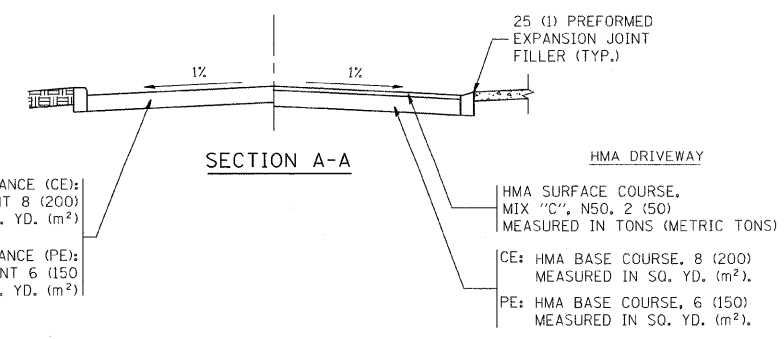
F.A.P. RTE. 389	SECTION 2424-2B-R	COUNTY COOK	TOTAL SHEETS 398	SHEET NO. 64
CONTRACT NO. 60D61				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



RURAL FIELD ENTRANCE (FE)  
HMA SURFACE COURSE, MIX 'C', N50, 2 (50) MEASURED IN TONS (METRIC TONS)  
AGGREGATE BASE CSE., TYPE B, 8 (200) MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

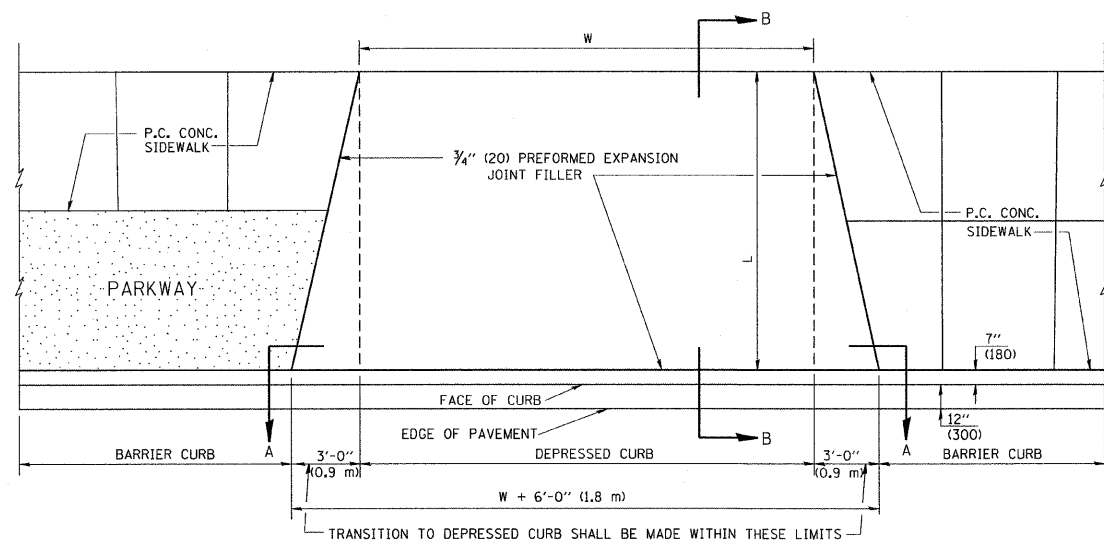
THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

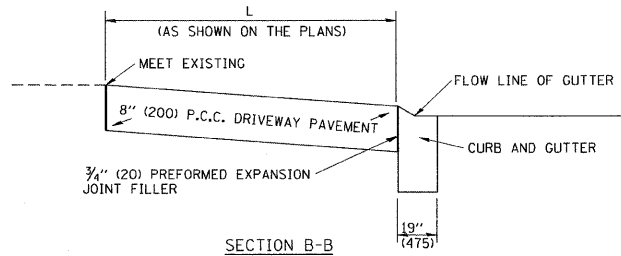
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		DRAWN -	REVISED - P. LOFLUER 04-15-03		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	COOK	398	65	
		CHECKED -	REVISED - R. BORO 01-01-07		BD0156-07 (BD-01)			CONTRACT NO. 60D61				
		DATE - 11-04-95	REVISED - R. BORO 06-11-08		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



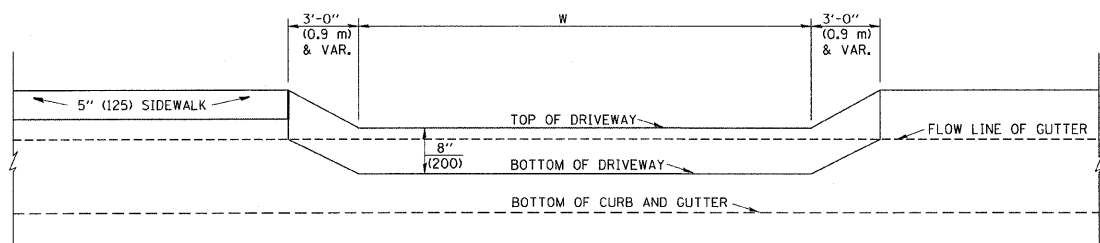
PLAN VIEW

NOTES:

1. EXPANSION JOINTS SHALL BE CONSTRUCTED AS SHOWN ON THE DETAILS FOR P.C.C. SIDEWALK.
2. THE CURB BETWEEN ADJACENT DRIVEWAYS SHALL BE FULL HEIGHT FOR A DISTANCE OF AT LEAST FOUR FEET (1.2 METERS)
3. P.C. CONCRETE DRIVEWAYS SHALL BE CONSTRUCTED AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
4. 3/4" (20) PREFORMED EXPANSION JOINTS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO P.C.C. DRIVEWAY PAVEMENT 8" (200).
5. COMBINATION CONC. CURB AND GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE TRANSITION CURB AND GUTTER.

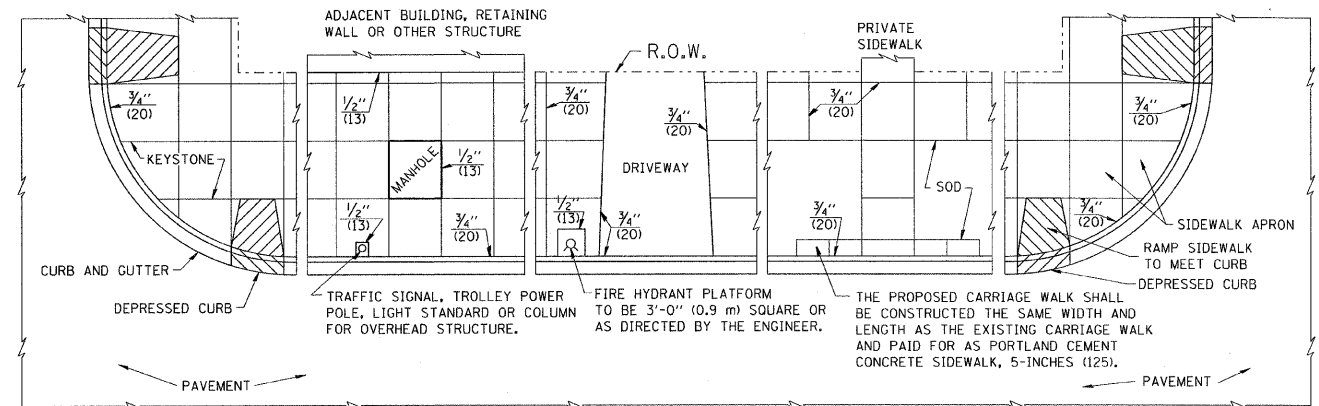


SECTION B-B



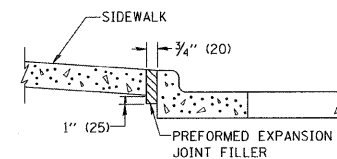
SECTION A-A

P.C.C. DRIVEWAY PAVEMENT DETAIL



NOTES:

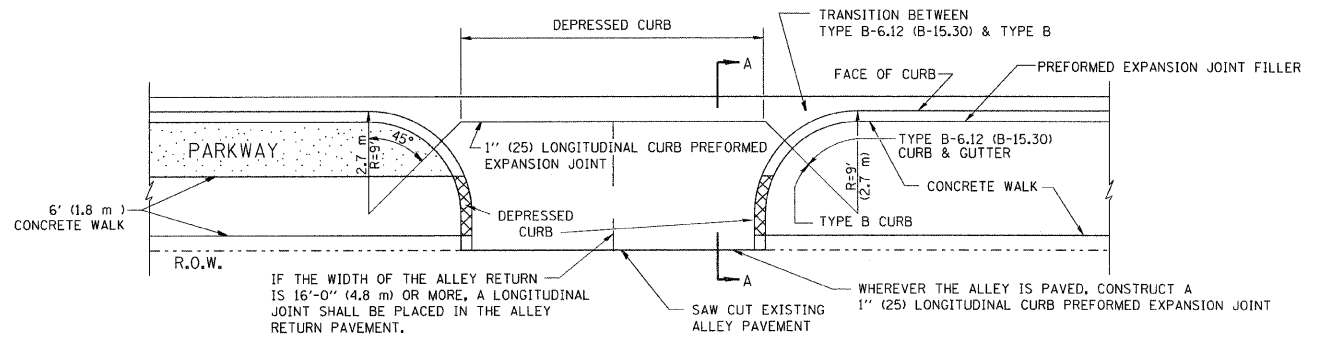
1. ONE-HALF INCH THICK EXPANSION JOINTS SHALL BE PLACED BETWEEN THE SIDEWALK AND ALL STRUCTURES SUCH AS LIGHT STANDARDS, TRAFFIC LIGHT STANDARDS, MANHOLES, WHICH EXTEND THROUGH THE SIDEWALK.
2. 3/4" (20) THICK EXPANSION JOINTS SHALL BE PLACED AT INTERVALS OF NOT MORE THAN 100 FEET (30 METERS) IN THE SIDEWALK. WHERE THE SIDEWALK IS CONSTRUCTED ADJACENT TO PAVEMENT OR CURB HAVING EXPANSION JOINTS, THE EXPANSION JOINTS IN THE SIDEWALK SHALL BE PLACED OPPOSITE THE EXISTING EXPANSION JOINTS AS NEARLY AS PRACTICABLE. EXPANSION JOINTS SHALL ALSO BE PLACED WHERE THE SIDEWALK ABUTS EXISTING SIDEWALKS, BETWEEN DRIVEWAY PAVEMENT AND SIDEWALK, AND BETWEEN SIDEWALK AND CURBS WHERE THE SIDEWALK ABUTS A CURB.



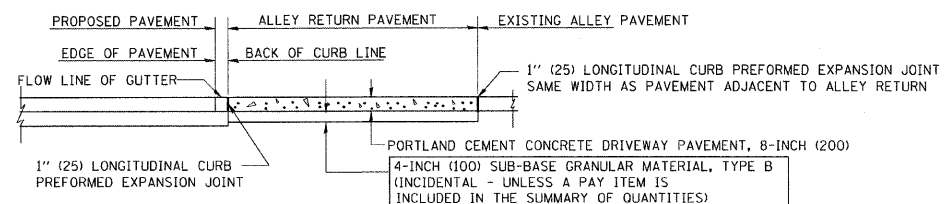
SLOPE FOR SIDEWALK  
1" (25) IN 3'-0" (0.9 m) IN CHICAGO

PORTLAND CEMENT CONCRETE SIDEWALK DETAILS

NOTES: NO EXTRA COMPENSATION SHALL BE ALLOWED FOR THE GUTTER FLARE



IF THE WIDTH OF THE ALLEY RETURN IS 16'-0" (4.8 m) OR MORE, A LONGITUDINAL JOINT SHALL BE PLACED IN THE ALLEY RETURN PAVEMENT.



SECTION A-A

ALLEY RETURN DETAIL

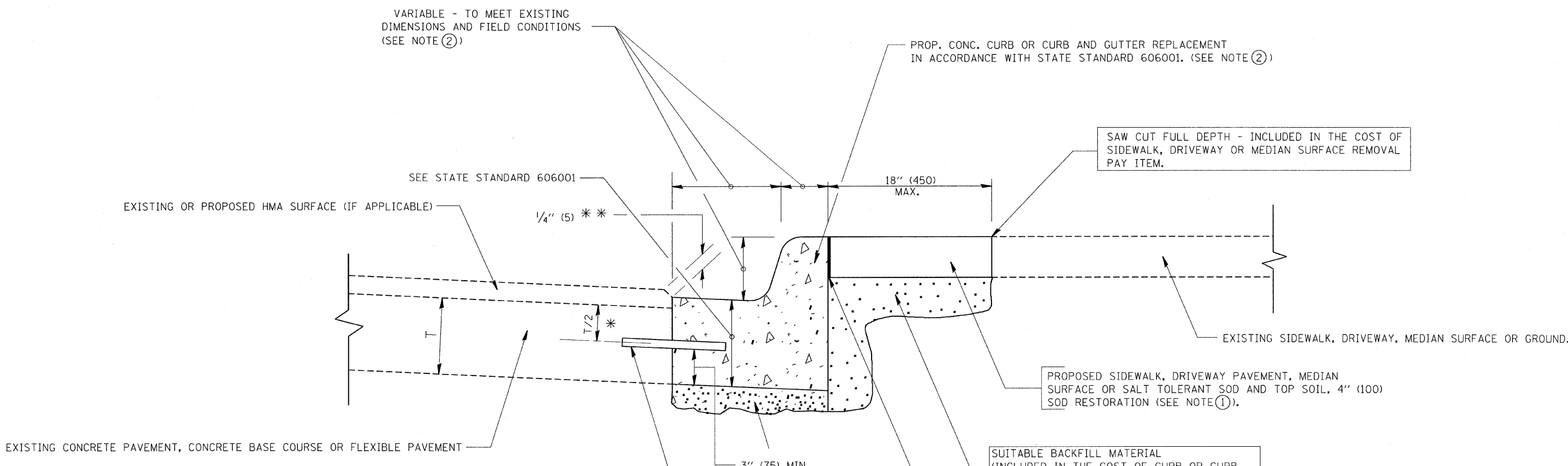
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE - 06-13-90	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO			
DETAILS FOR P.C. CONCRETE DRIVEWAY, ALLEY RETURN AND SIDEWALK			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BD400-03 (BD-17)	COOK	398	66
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 60D61	



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

SEE STATE STANDARD 606001

EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

1/4" (5) \*\*

18" (450) MAX.

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE OR GROUND.

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

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

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

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

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

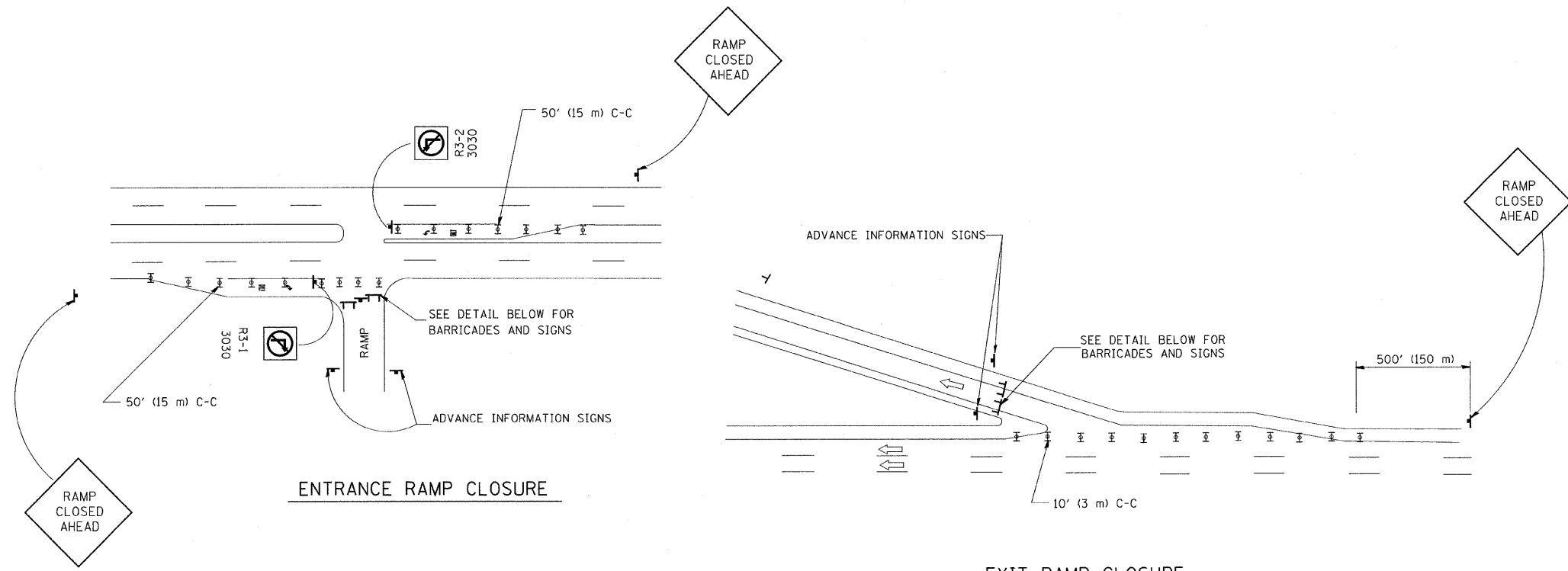
BASIS OF PAYMENT:  
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

- PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)
- SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.
- PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SALT TOLERANT SOD AND TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).
- \* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- \*\* IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.
- NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
- SALT TOLERANT SOD AND TOP SOIL, 4" (100) RESTORATION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ② CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- ③ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- ④ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑤ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑥ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
- ⑦ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

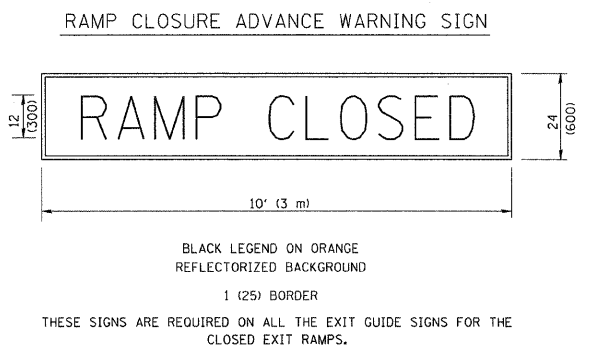
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\bd24.dgn	USER NAME = gaglianob	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED - A. ABBAS 03-21-97		SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	COOK	398	67
		PLOT SCALE = 50,000' / IN.	CHECKED -		REVISED - M. GOMEZ 01-22-01				<b>BD600-06 (BD-24)</b>		<b>CONTRACT NO. 60D61</b>		
		PLOT DATE = 1/4/2008	DATE - 03-11-94		REVISED - R. BORO 01-01-07				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

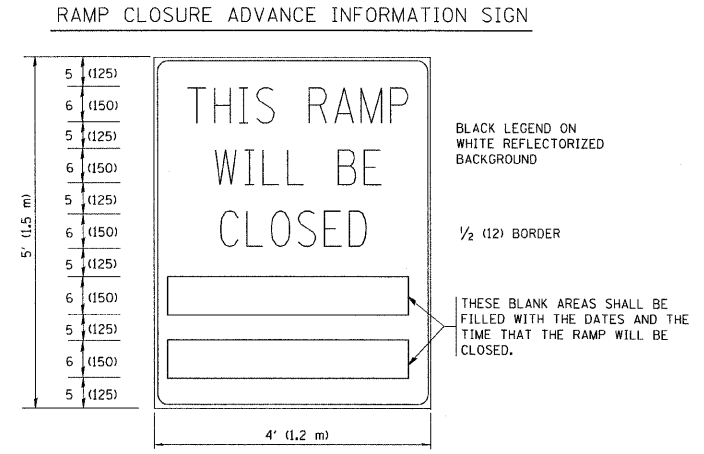


ENTRANCE RAMP CLOSURE

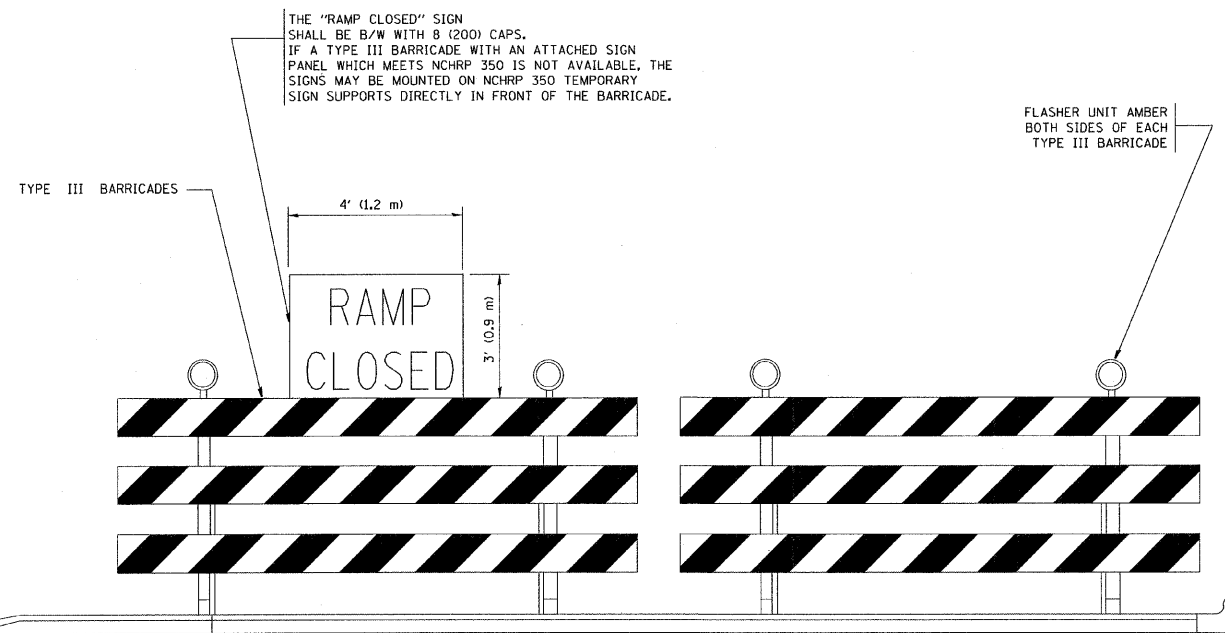
EXIT RAMP CLOSURE



THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR THE CLOSED EXIT RAMPS.



THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.



DETAIL FOR REQUIRED BARRICADES & SIGNS

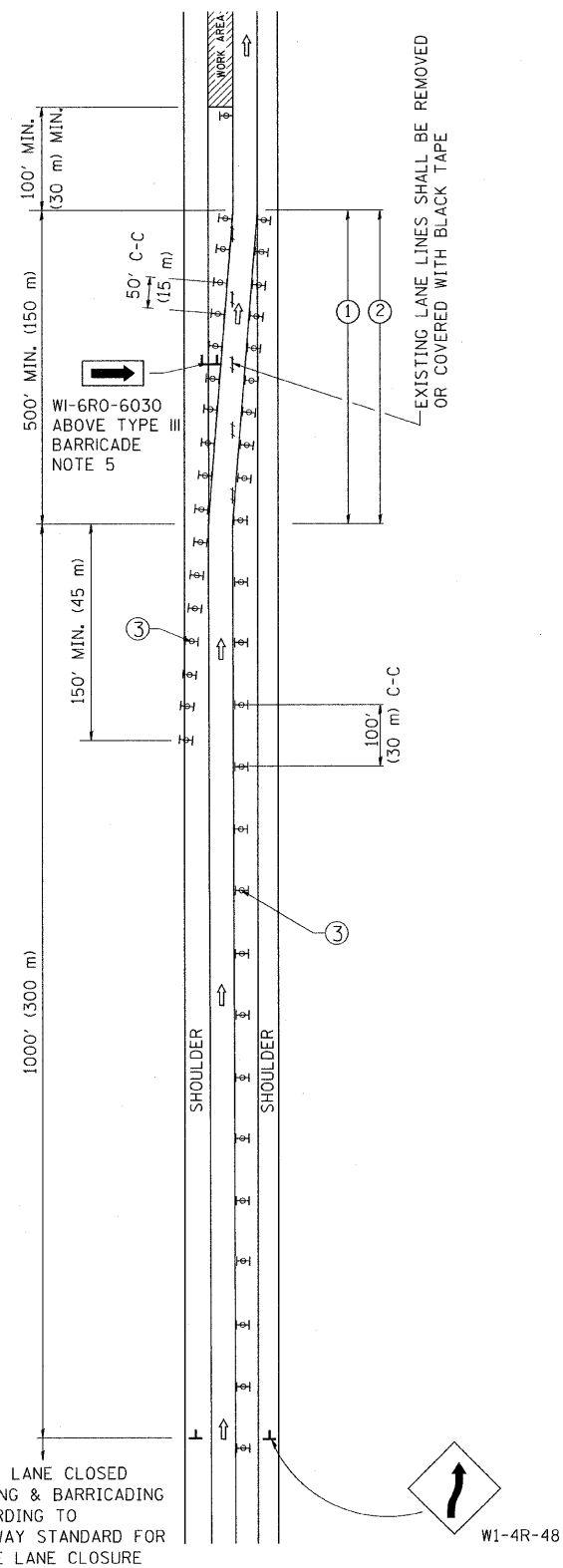
- SYMBOLS**
- ▬ TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
  - ⊠ TYPE III BARRICADE WITH FLASHING LIGHT

- GENERAL NOTES:**
1. CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
  2. STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
  3. A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES.
  4. ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED.
  5. THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
  6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
  7. THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED TWENTY FOUR (24) HOURS IN LENGTH.

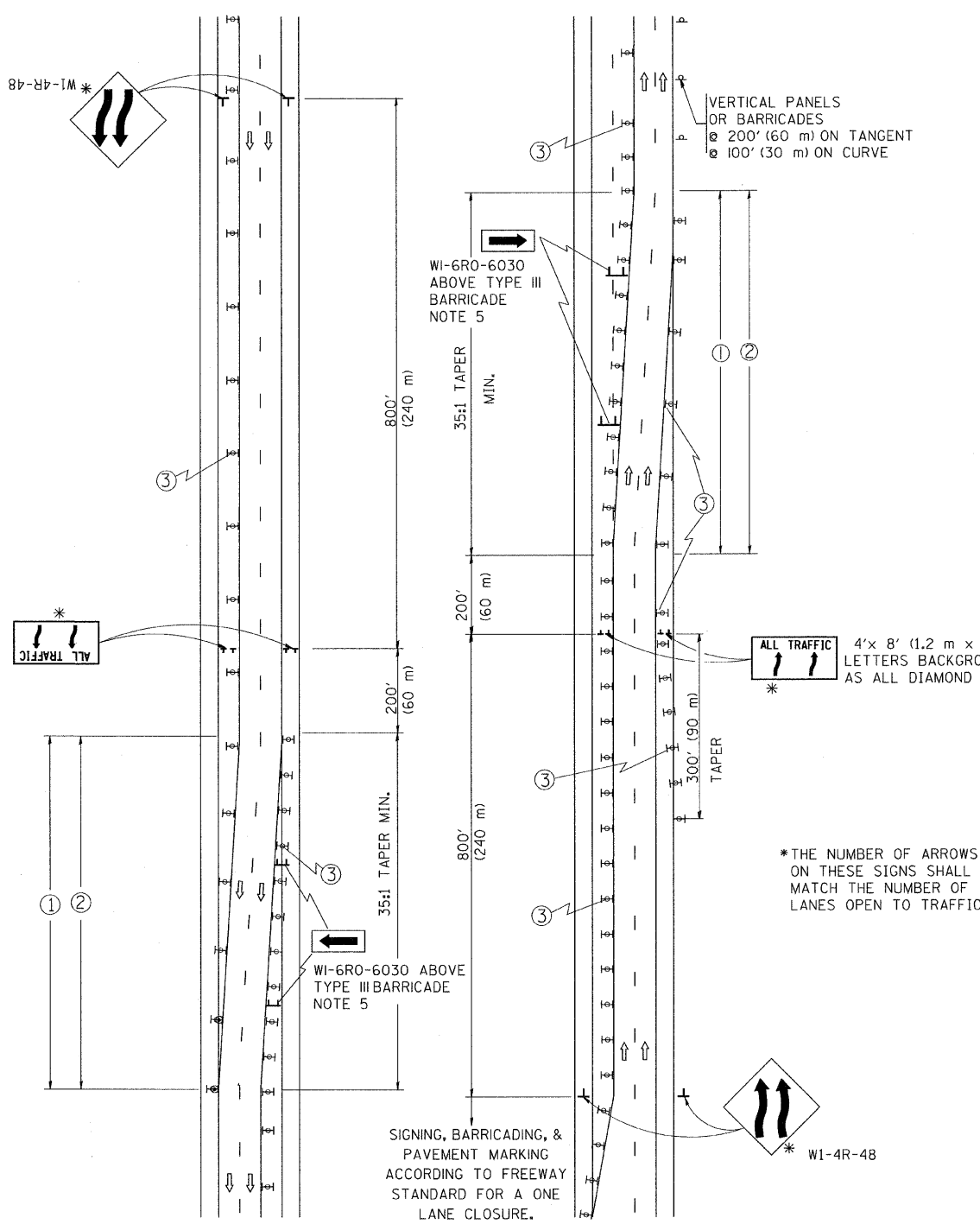
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\td88.dgn	USER NAME = gaglionobt	DESIGNED - DWS	REVISED - DWS 12-94	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FREWAY ENTRANCE AND EXIST RAMP CLOSURE DETAILS</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50,000 / IN.	CHECKED -	REVISED - DWS/JAF 12-02					TC-08	COOK	398	68	
PLOT DATE = 1/4/2008	DATE - 02-83	REVISED - JAF 02-06	REVISED - SPB 01-07	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 60D61				
								FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

# SINGLE LANE WEAVE



# MULTI-LANE WEAVE



### GENERAL NOTES

- ① EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED OR COVERED WITH BLACK TAPE. PAVEMENT MARKING REMOVAL OR BLACK TAPE SHALL NOT BE REQUIRED FOR LANE CLOSURES UNDER 24 HOURS IN DURATION.
- ② CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVE LANE LINES SHALL BE 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- ③ PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ④ ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ⑤ IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON NCHRP 350 TEMPORARY SIGN SUPPORTS DIRECTLY IN FRONT OF THE BARRICADE.
- ⑥ IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.

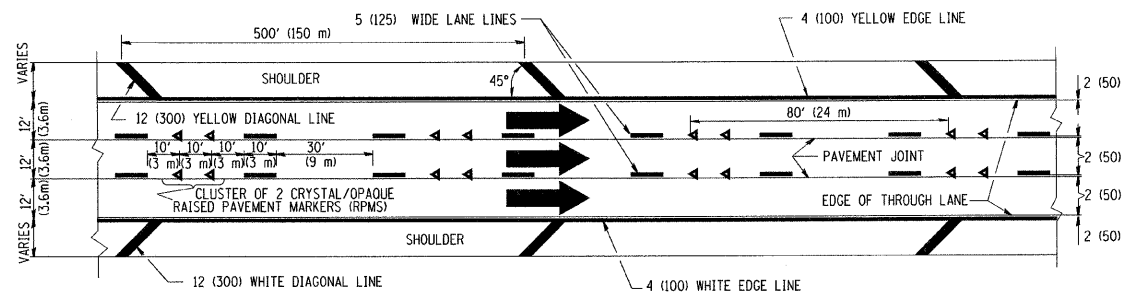
### SYMBOLS

- ↑ DIRECTION OF TRAFFIC
- ▨ WORK AREA
- ┆ SIGN ON PORTABLE OR PERMANENT SUPPORT
- ⊞ TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME = W:\diststa\22\34\ta09.dgn	USER NAME = geglanoht	DESIGNED - DWS	REVISD - DWS 11-96	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE &amp; MULTI-LANE WEAVE</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50,000' / IN.	CHECKED -	DRAWN -	REVISD - JAF 01-03		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TC-09	COOK	398	69	
PLOT DATE = 1/4/2008	DATE - 02-87	CHECKED -	REVISD - JAF 02-06		TO STA.							
		DATE - 02-87	REVISD - SPB 01-07									

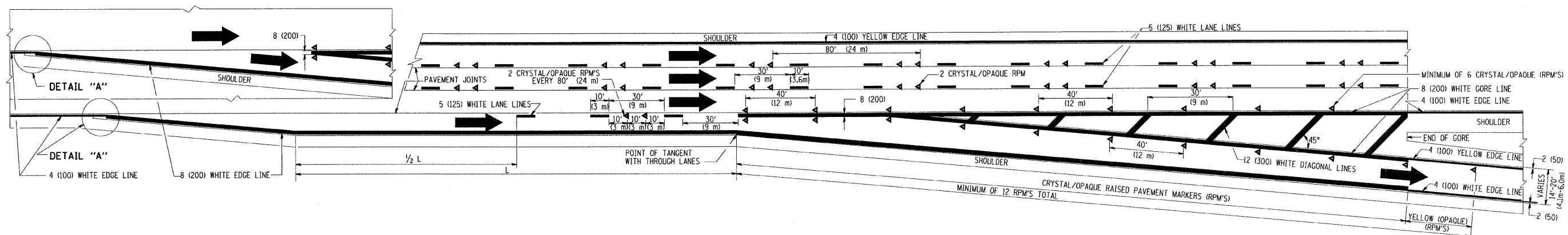
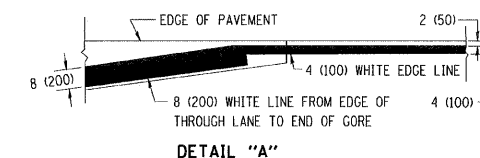
THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH  
THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH



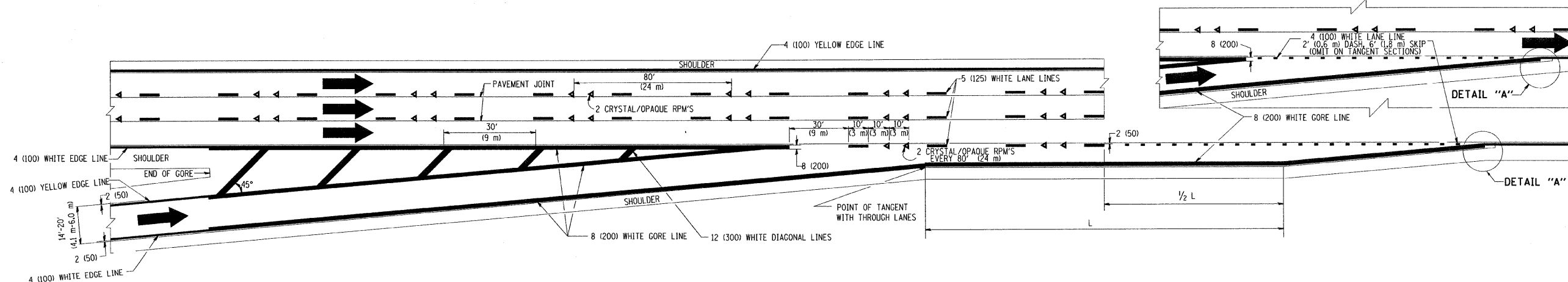
TYPICAL EDGE LINES & LANE LINES

NOTES:

1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
2. PREFORMED PLASTIC TYPE B PAVEMENT MARKING LINE SHALL BE USED FOR ALL LANE LINES ON BITUMINOUS PAVEMENT
3. POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC

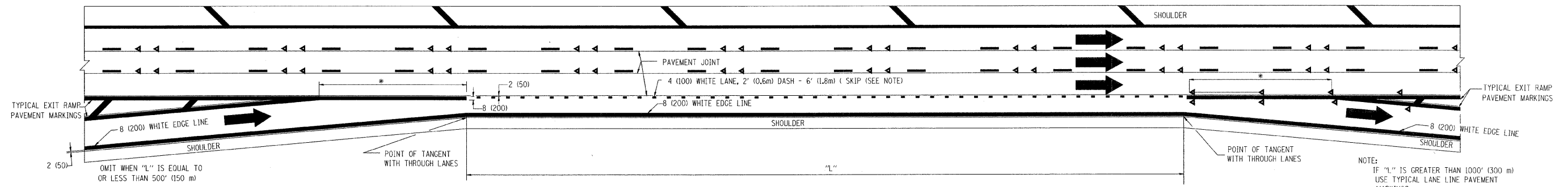


TYPICAL EXIT RAMP PAVEMENT MARKINGS

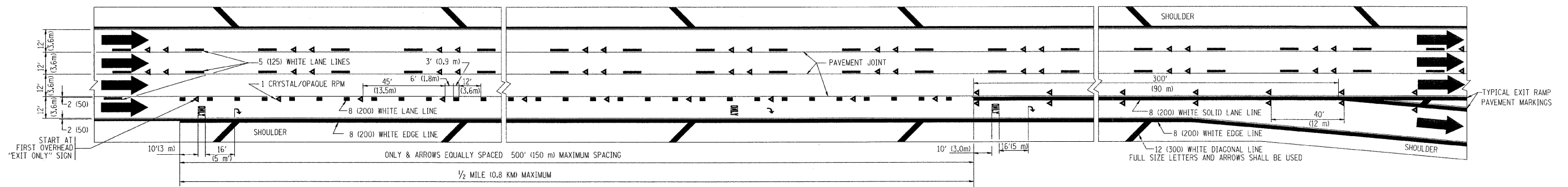


TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS

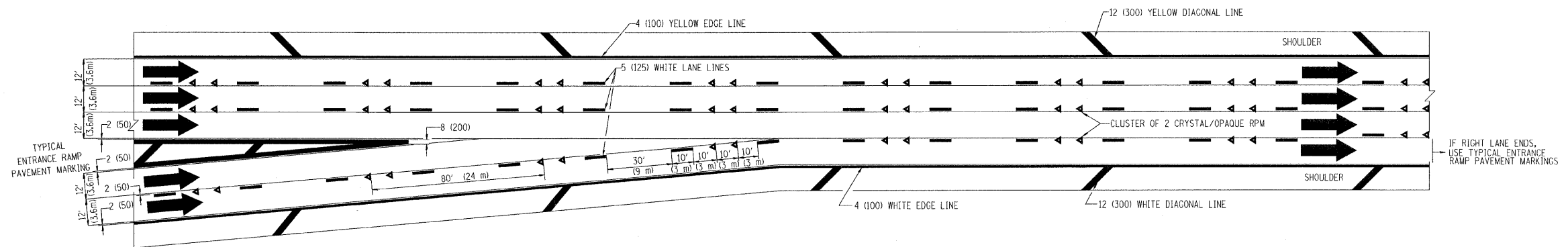
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		DRAWN -	REVISED - D.W.S. 07-96		SCALE: NONE	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.	COOK	398	70	
		CHECKED -	REVISED - J.A.F. 02-06					<b>TC-12</b>		<b>CONTRACT NO. 60D61</b>		
		DATE - 01-90	REVISED - S.P.B. 01-07		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



**TYPICAL ENTRANCE/EXIT RAMP COMBINATION PAVEMENT MARKINGS**



**TYPICAL EXIT ONLY LANE PAVEMENT MARKINGS**



**TYPICAL TWO LANE ENTRANCE RAMP PAVEMENT MARKINGS**

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c:\projects\diststd22x34\td12.dgn

USER NAME = bauerd1  
PLOT SCALE = 50,000' / IN.  
PLOT DATE = 10/3/2008

DESIGNED - D.W.S.  
DRAWN -  
CHECKED -  
DATE - 01-90

REVISED - A.H. 03-96  
REVISED - D.W.S. 07-96  
REVISED - J.A.F. 02-06  
REVISED - S.P.B. 01-07

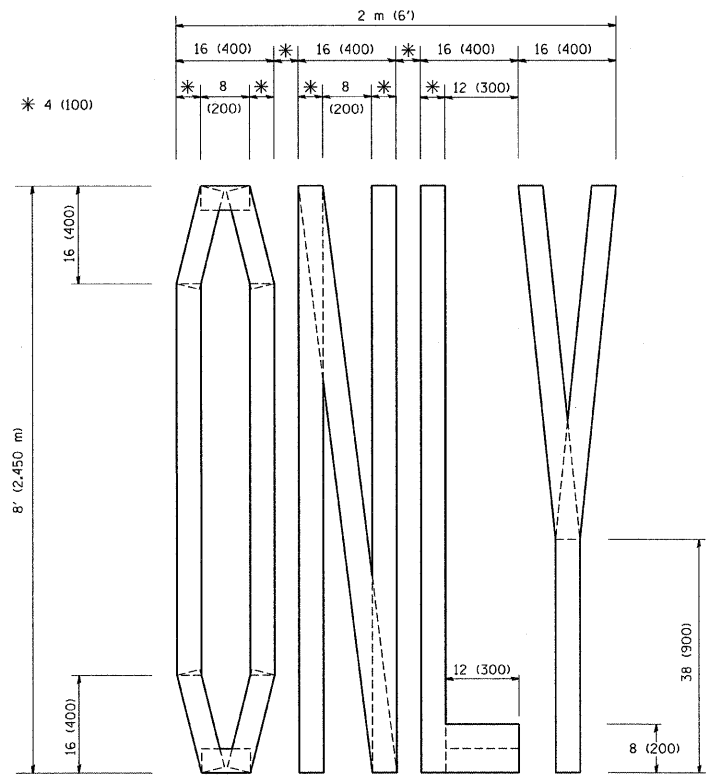
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MULTI-LANE FREEWAY  
PAVEMENT MARKING DETAILS**  
SCALE: NONE SHEET NO. 2 OF 2 SHEETS STA. TO STA.

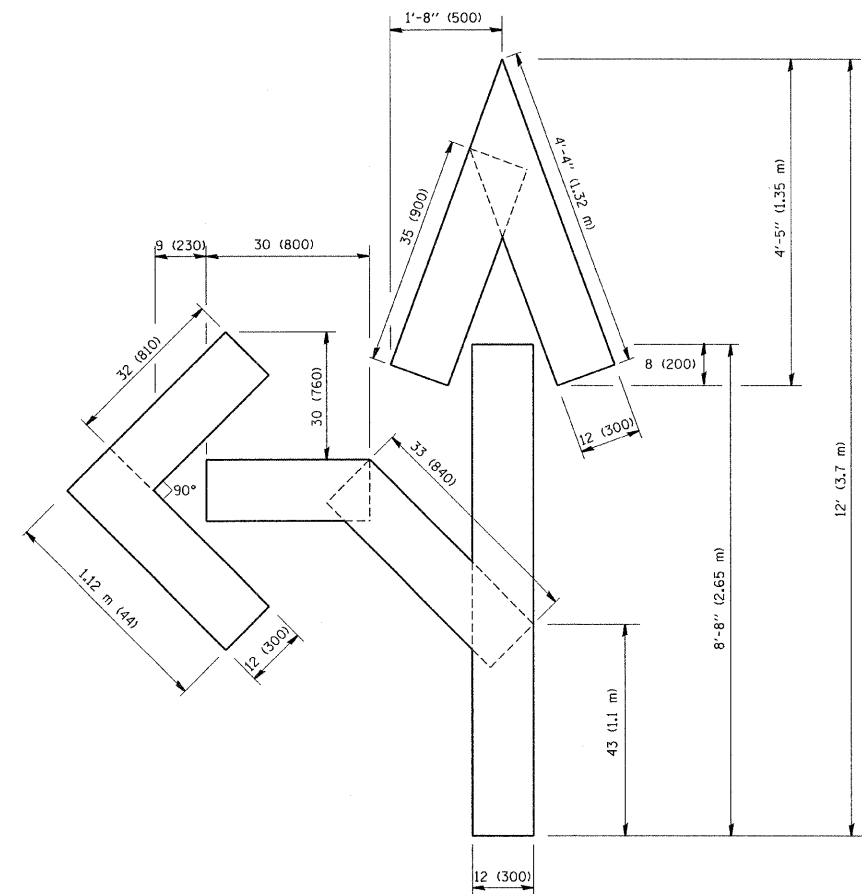
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-12	COOK	398	71
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 60D61	



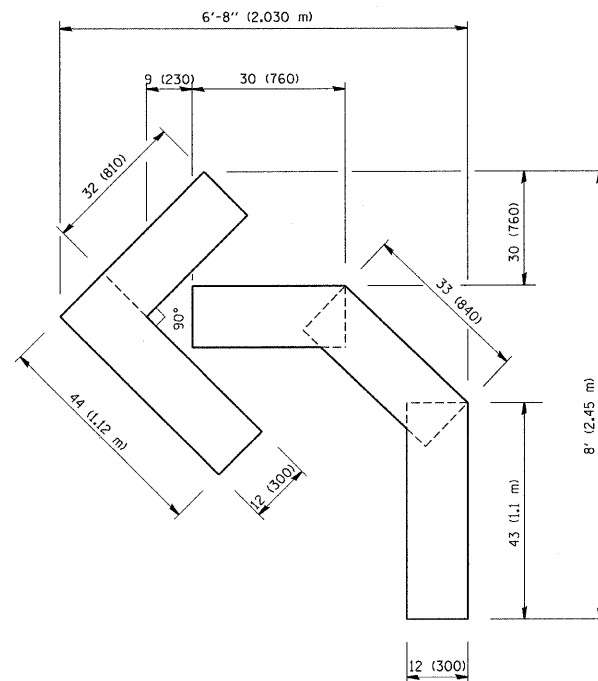




QUANTITY  
 4 (100) LINE = 64.1 ft. (19.7 m)  
 21.1 sq. ft. (1.97 sq. m)



QUANTITY  
 4 (100) LINE = 82.5 ft. (25.3 m)  
 27.5 sq. ft. (2.53 sq. m)



QUANTITY  
 4 (100) LINE = 45.5 ft. (13.9 m)  
 15.2 sq. ft. (1.39 sq. m)

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

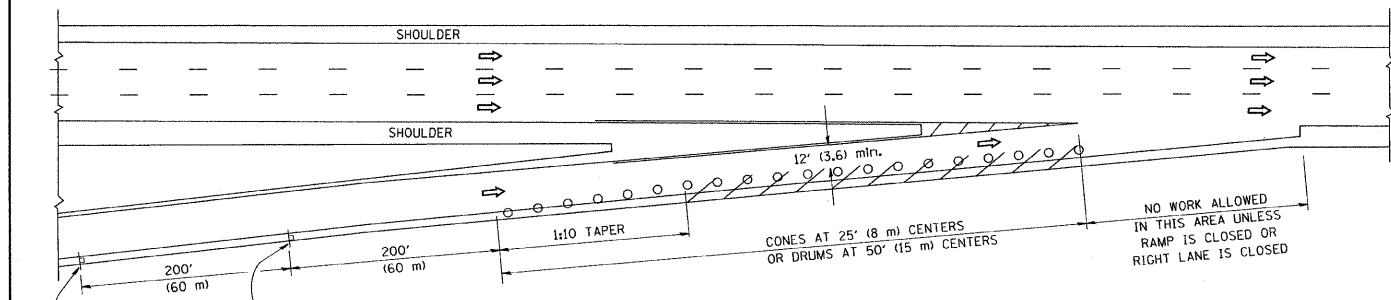
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		DRAWN -	REVISED - T. RAMMACHER 11-04-97
		CHECKED -	REVISED - T. RAMMACHER 03-02-98
		DATE - 09-18-94	REVISED - E. GOMEZ 08-28-00

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

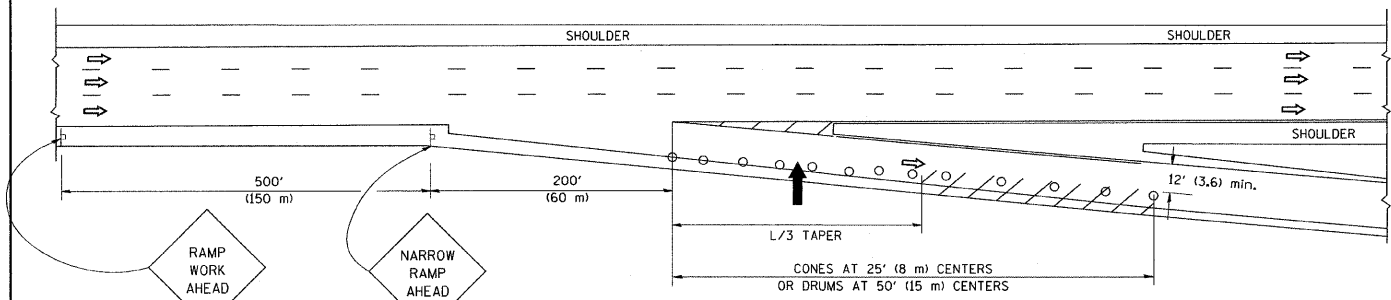
PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING			
SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-16	COOK	398	73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60D61	

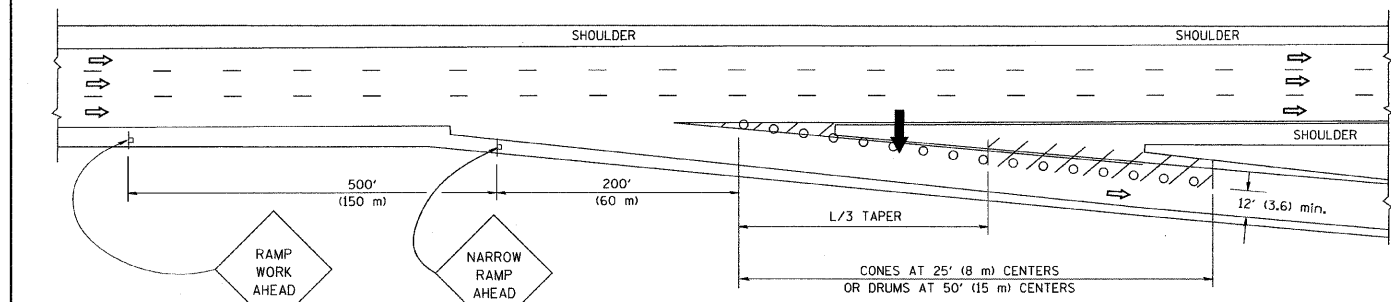
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

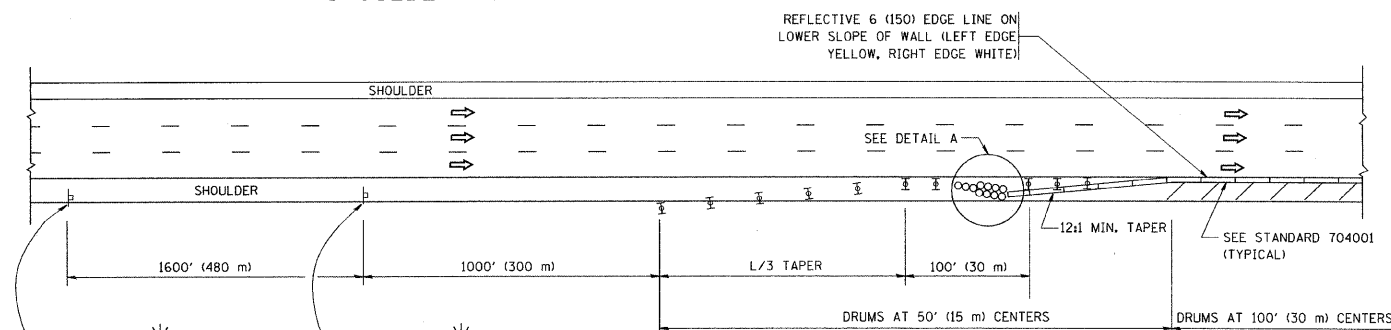
- ARROWBOARD
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE

GENERAL NOTES

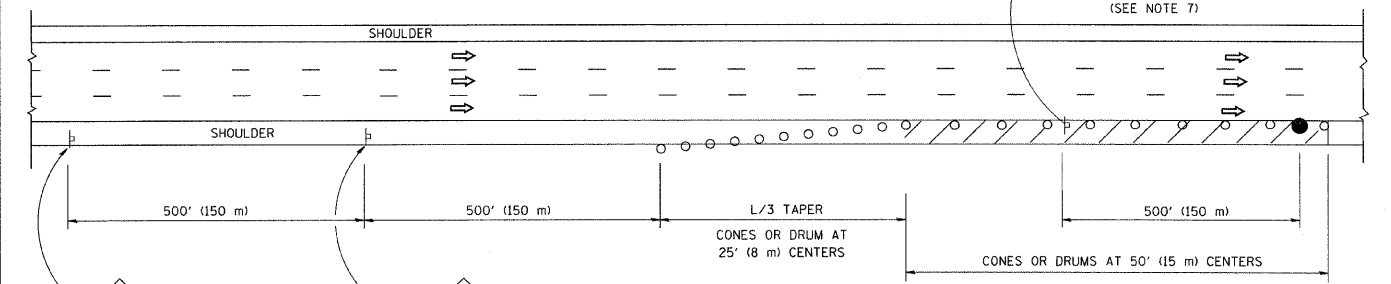
1. THE "L" DISTANCE EQUALS:
 

SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER:	METRIC ENGLISH $L=0.65(W)(S)$ $L=(W)(S)$
W = WIDTH OF OFFSET IN FEET (METERS)	
S = NORMAL POSTED SPEED MPH (KM/H)	
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS

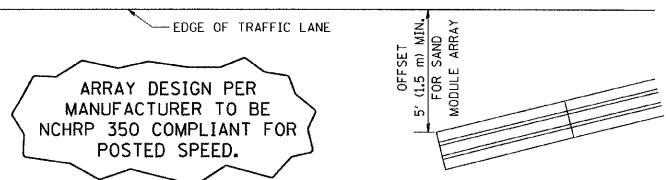


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:  
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRDACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



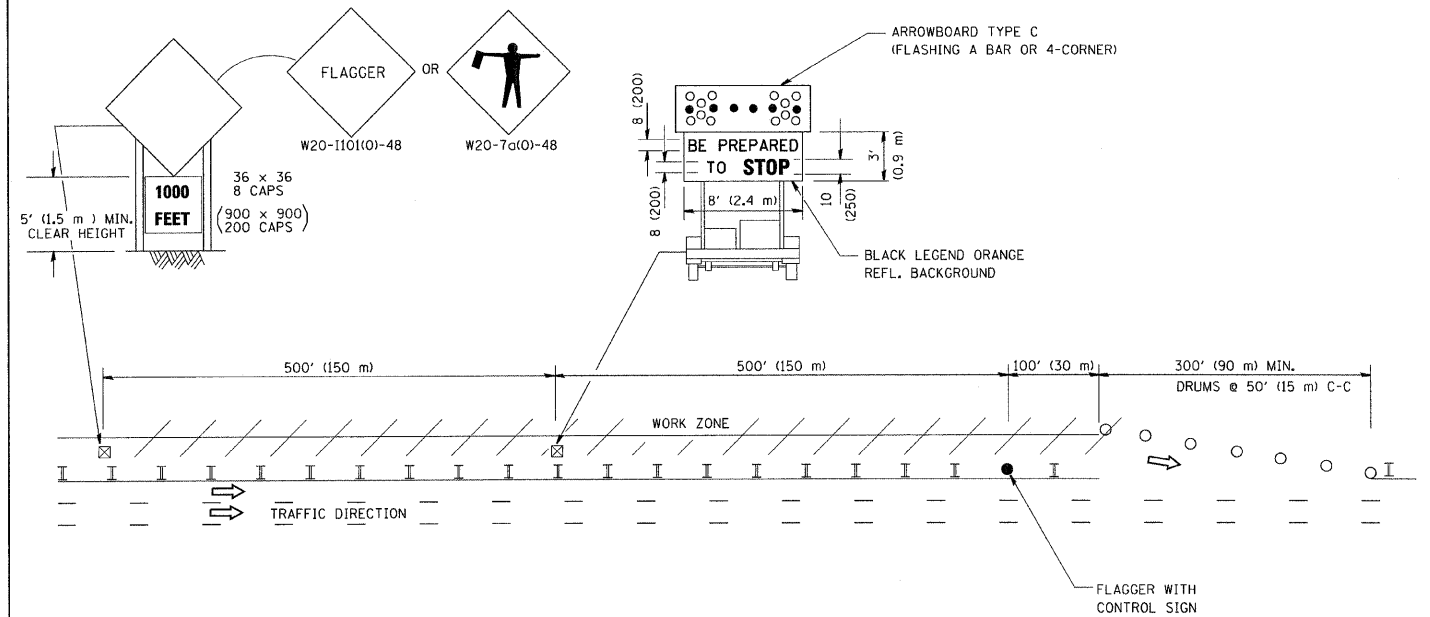
DETAIL "A"  
IMPACT ATTENUATOR, TEMPORARY  
(SEE NOTE 5)

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

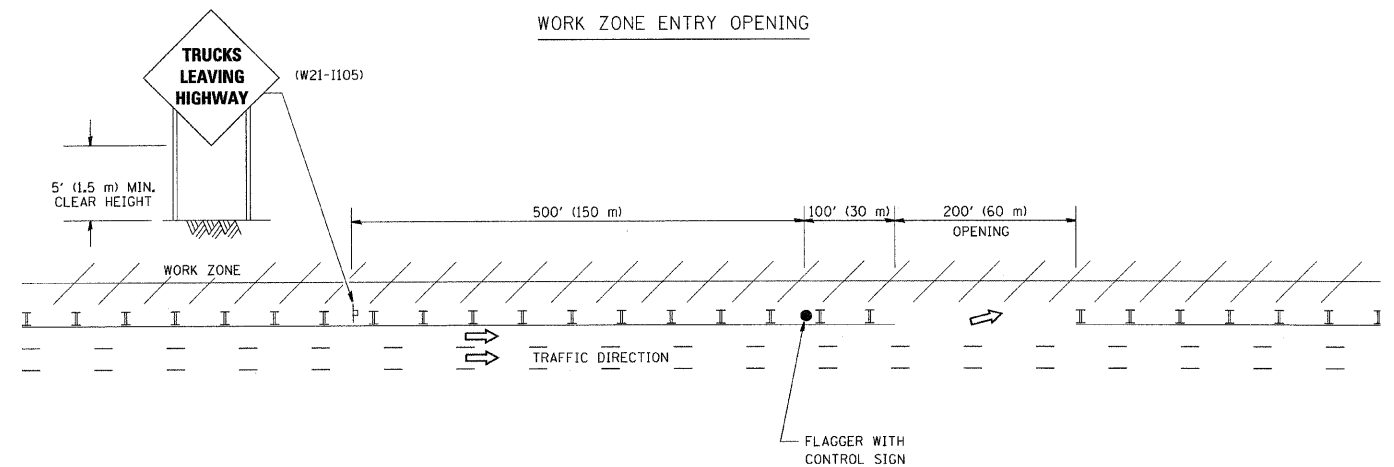
FILE NAME = W:\d\statd\22x34\tcl7.dgn	USER NAME = gaglionobt	DESIGNED - DRAWN - D.W.S.	REVISED - J.A.F. 12-02 REVISED - 04-03	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50,0000' / IN.	CHECKED -	REVISED - J.A.F. 12-06	SCALE: NONE		SHEET NO. 1 OF 1 SHEETS	STA.	TC-17	COOK	398	74
PLOT DATE = 1/4/2008	DATE - 11-96	REVISED - S.P.B. 01-07	TO STA.		FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT	CONTRACT NO. 60D61				

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. The Arrowboard, the Flagger Ahead trailer mounted sign, and the Trucks Leaving Highway sign shall be removed or turned away from traffic and the exit and entry openings shall be closed when the flagging operation ceases.
2. Work Zone Exit Openings should be a minimum of one half mile apart.
3. Exiting the work zone at any place other than at a Work Zone Exit Opening will be prohibited.
4. All vehicles shall enter the work zone at entry openings, using their turn signals to warn motorists

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME = W:\diststd\22x34\tbl8.dgn	USER NAME = goglianobt	DESIGNED -	REVISED - D.W.S. 08-98
		DRAWN -	REVISED - J.A.F. 04-03
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	PLOT DATE = 1/4/2008	DATE -	REVISED - S.P.B. 01-07

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGNING FOR FLAGGING OPERATIONS  
AT WORK ZONE OPENINGS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	398	75
TC-18		CONTRACT NO. 60D61		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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**PB Americas, Inc.**  
230 WEST MONROE STREET,  
SUITE 900  
CHICAGO, IL. 60606

USER NAME = #USER#  
FILE NAME = #FILENAME#  
PLOT SCALE = #SCALE#  
PLOT DATE = 5/6/2009

DESIGNED - DM  
DRAWN - MS  
CHECKED - DS  
DATE - 5/08/09

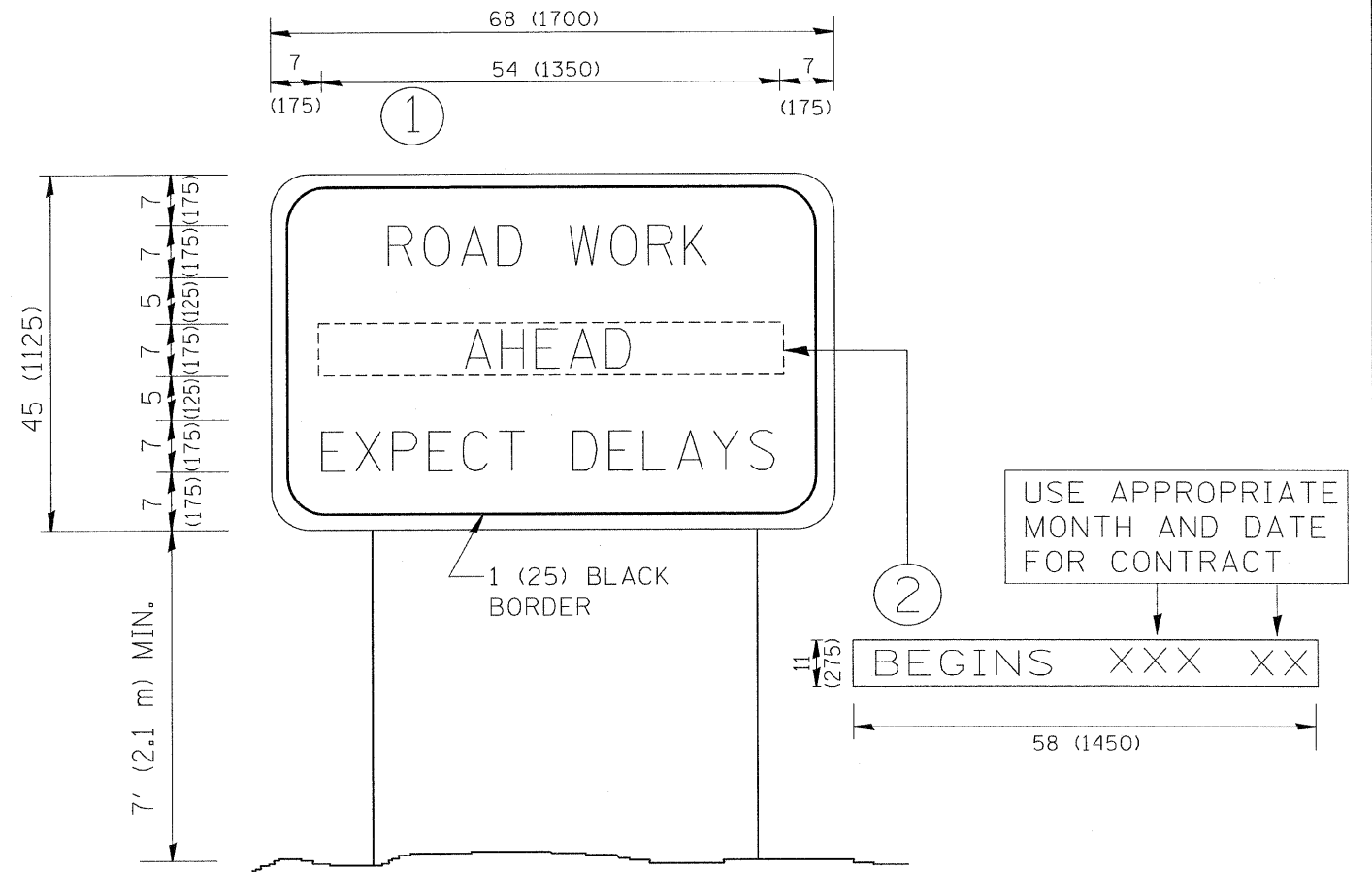
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REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONGRESS PARKWAY OVER SOUTH BRANCH OF THE CHICAGO RIVER**

SCALE: NONE SHEET NO. 76 OF 83 SHEETS STA. 377+01.00 TO STA. 382+45.28

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2424-2B-R	COOK	398	76
<b>CONTRACT NO. 60D61</b>				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

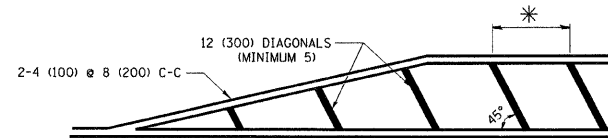
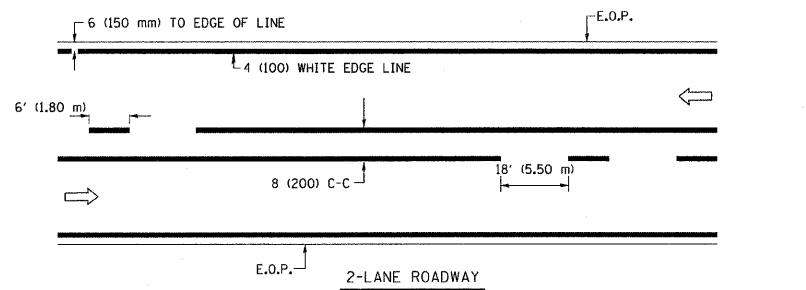


**NOTES:**

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

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

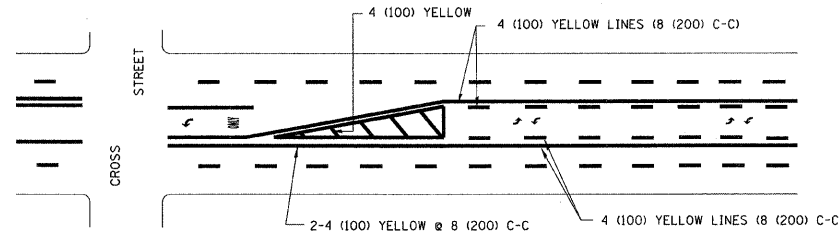
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PLOT DATE = 1/4/2008	DATE -	REVISED - T. RAMMACHER 02-02-99	REVISED - C. JUCIUS 01-31-07	TC-22			CONTRACT NO. 60D61		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



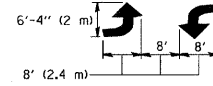
\* FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

\* DIAGONAL LINE SPACING: 20' (6.1 m) C-C

**PAINTED MEDIANS**

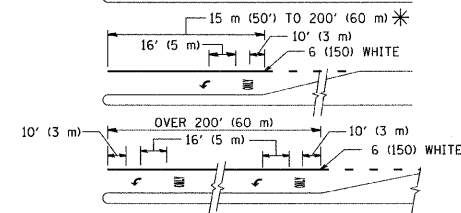
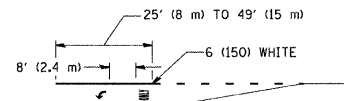
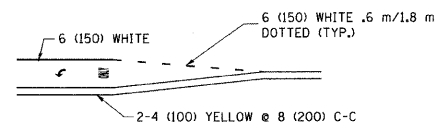


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



**MEDIAN WITH TWO-WAY LEFT TURN LANE**

**TYPICAL PAINTED MEDIAN MARKING**

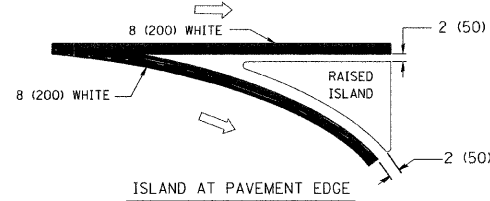
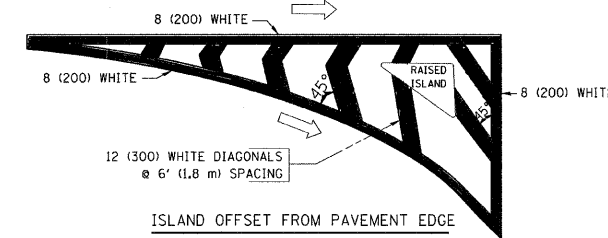


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
 AREA = 15.8 SQ. FT. (1.47 m<sup>2</sup>) ONLY AREA = 22.9 SQ. FT. (2.13 m<sup>2</sup>)

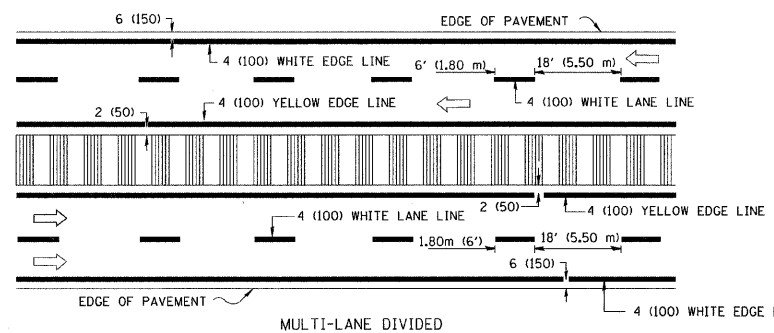
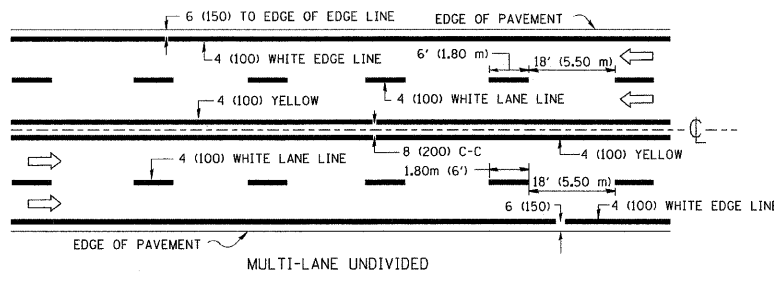
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

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

**TYPICAL TURN LANE MARKING**

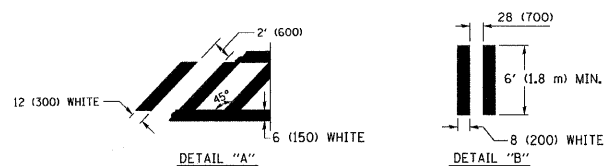
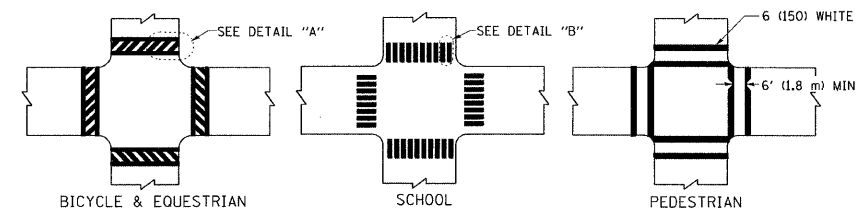


**TYPICAL ISLAND MARKING**



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

**TYPICAL LANE AND EDGE LINE MARKING**



**TYPICAL CROSSWALK MARKING**

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	6' (1.80 m) LINE WITH 18' (5.50 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	8 (200) C-C
NO PASSING ZONE LINES; FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	8 (200) C-C
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	6' (1.80 m) LINE WITH 18' (5.50 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4 m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	6' (1.8 m) LINE WITH 18' (5.50 m) SPACE FOR SKIP-DASH; 8 (200) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 8 (200) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2'-4" (700) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	8 (200) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
CORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 20' (6.1 m) (LESS THAN 30 MPH (50 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STREET MARKING STANDARDS, PRINTED BY CITY OF CHICAGO, DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC.

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

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PLOT DATE = 1/4/2008		DATE -	REVISED -

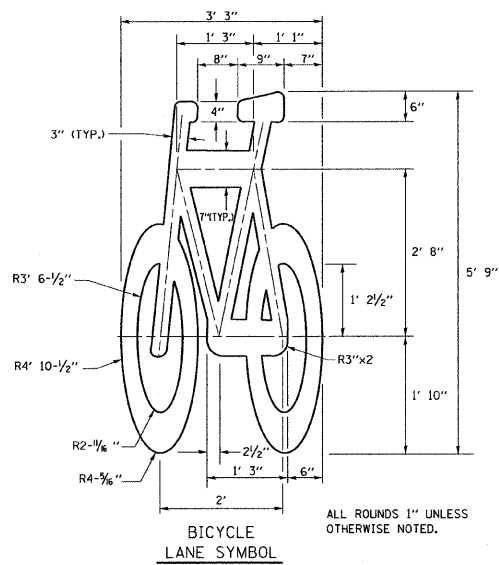
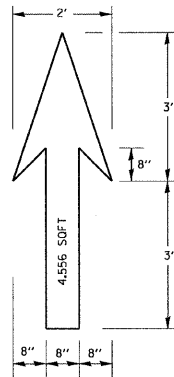
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CITY OF CHICAGO  
TYPICAL PAVEMENT MARKINGS**

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SCALE: NONE SHEET NO. 1 OF 2 SHEETS STA. TO STA.

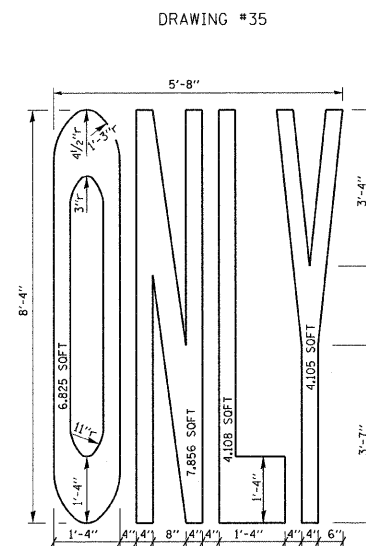
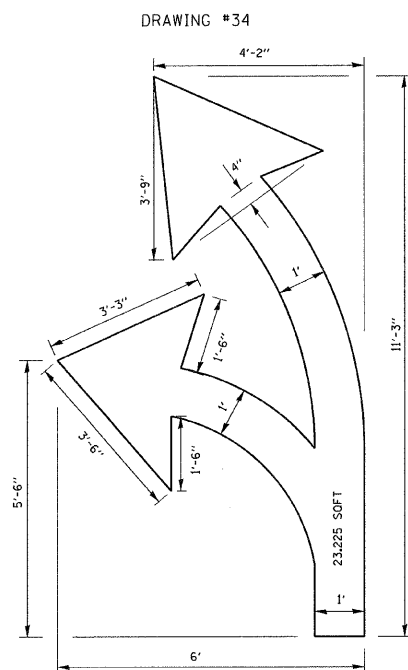
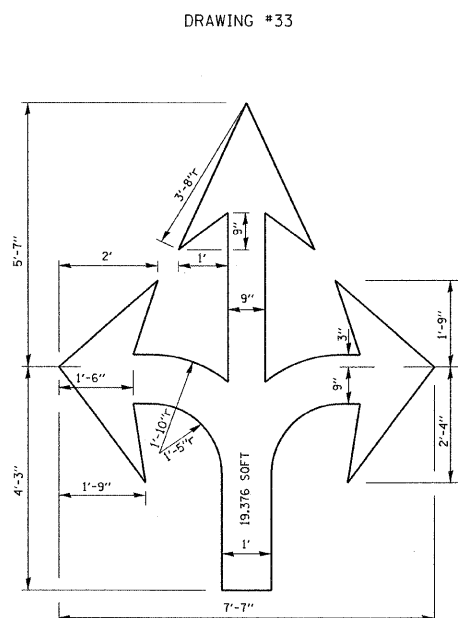
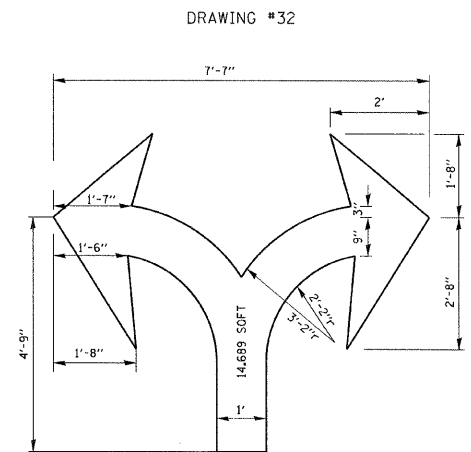
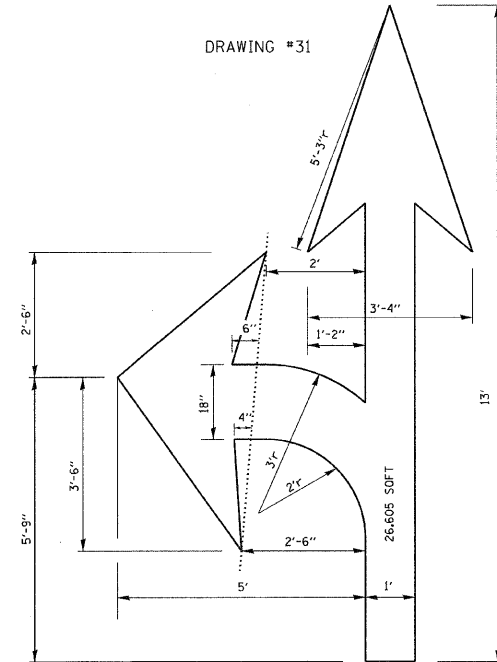
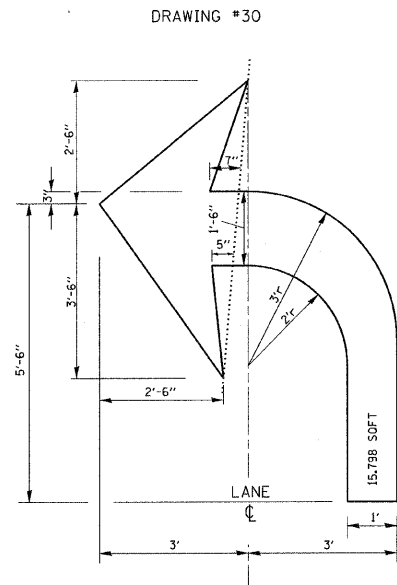
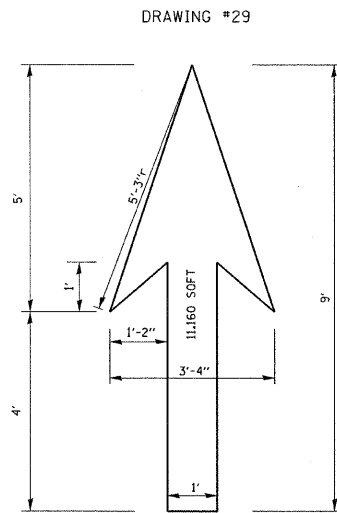
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



**NOTE:**  
 1.) FOR BIKE LANE SYMBOLS ONLY, USE PRE-FORMED THERMOPLASTIC WITH A MINIMUM THICKNESS OF 90 MILS, MINIMUM SKID RESISTANCE VALUE OF 60 BPN, & A MINIMUM INDEX OF REFRACTION OF 1.50.

2.) THE RESIDENT ENGINEER SHALL CONTACT MR. BEN GOMBERG AT 312-744-8093 AT LEAST ONE CALENDAR WEEK PRIOR TO INSTALLING BIKE LANE SYMBOLS.

**TYPICAL BIKE LANE SYMBOLS**  
 DRAWING #28



**NOTE:** ALL MARKINGS SHALL BE SOLID WHITE UNLESS OTHERWISE NOTED IN THE PLANS

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 PLOT DATE = 1/4/2008

DESIGNED -  
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 CHECKED -  
 DATE -

REVISED - T. RAMMACHER 12-07-00  
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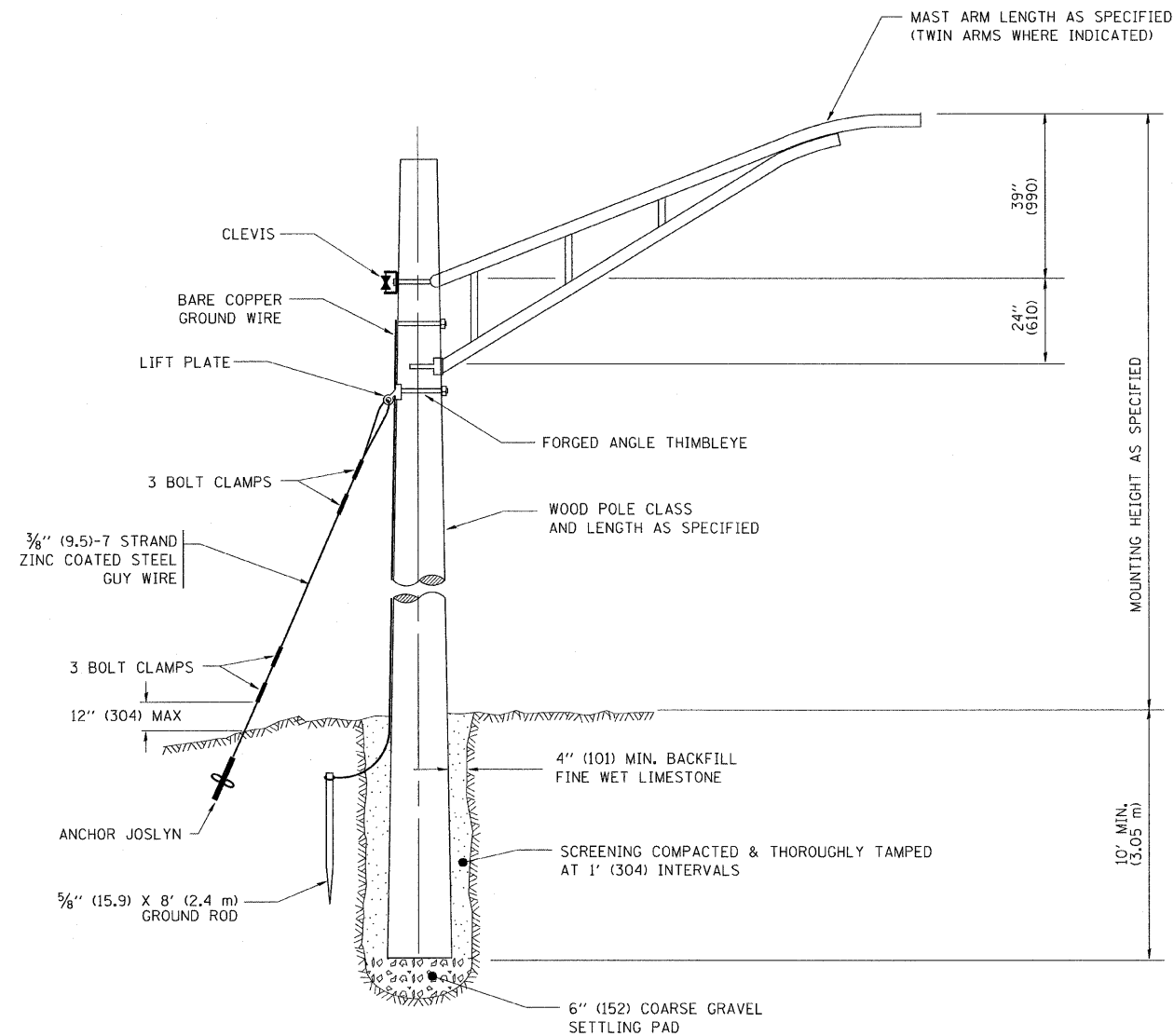
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CITY OF CHICAGO**  
**TYPICAL PAVEMENT MARKINGS**

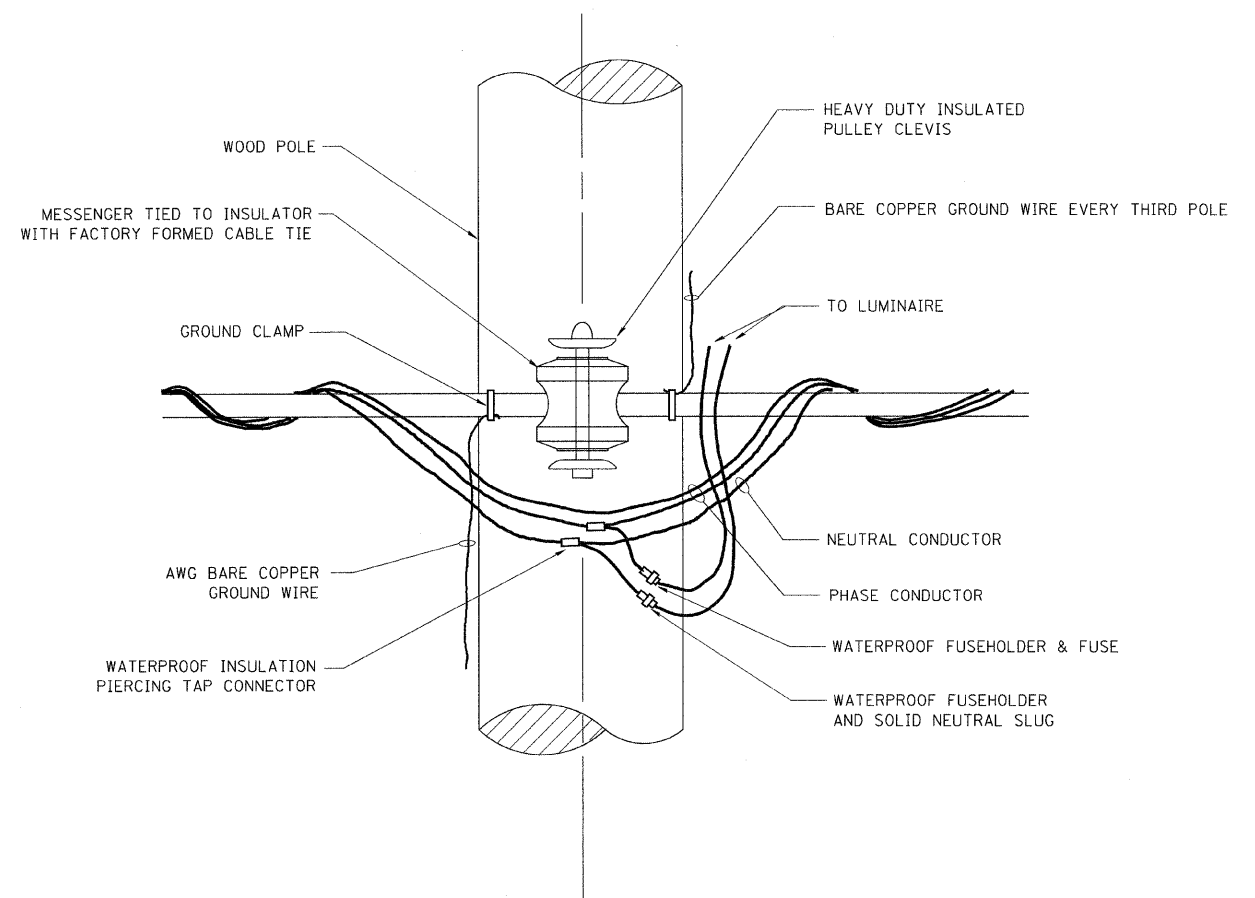
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FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60D61	





TEMPORARY LIGHT POLE DETAIL

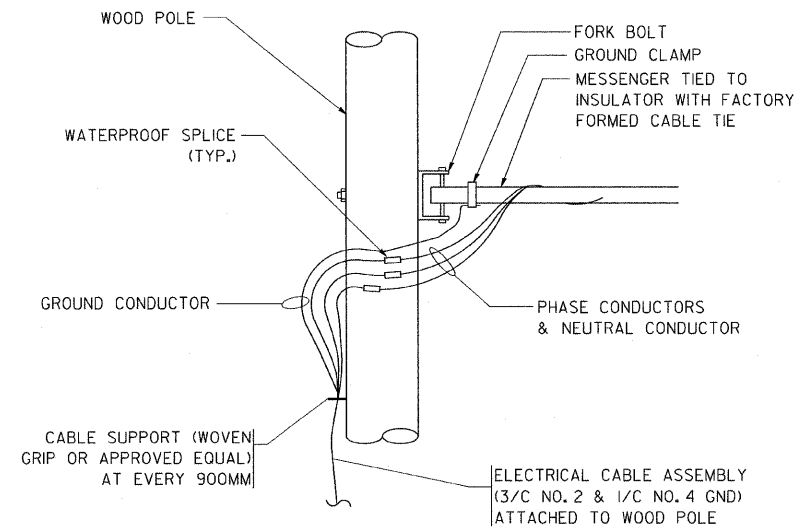


TEMPORARY LIGHT POLE ATTACHMENT DETAIL

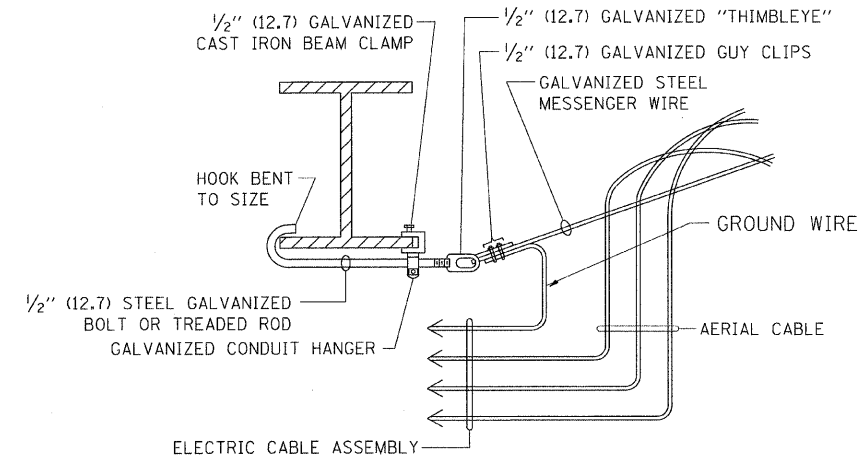
**NOTES:**

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

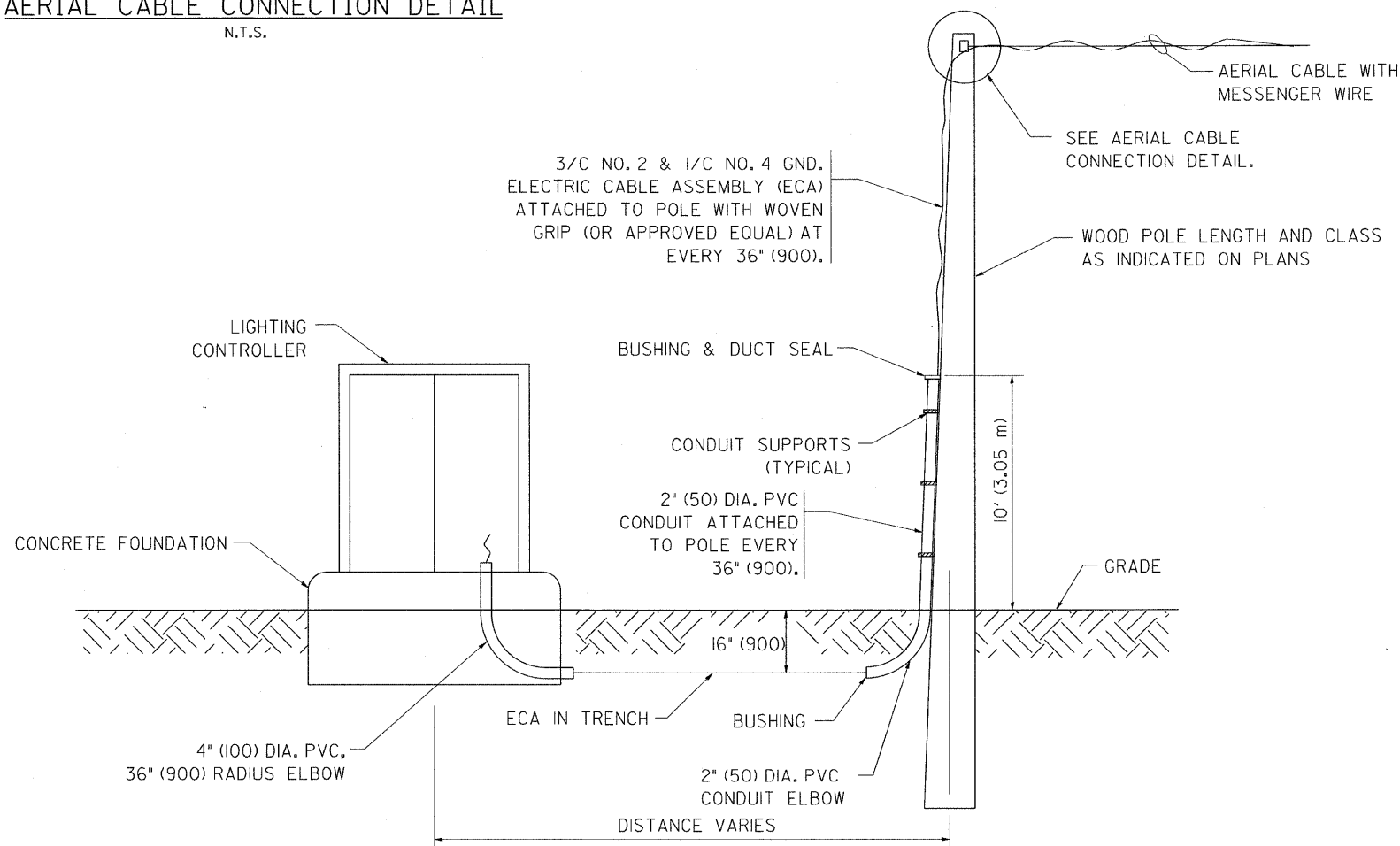
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PLOT DATE = 1/4/2008	DATE -	REVISED -	REVISED -			CONTRACT NO. 60D61			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
						SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.		



**AERIAL CABLE CONNECTION DETAIL**  
N.T.S.



**AERIAL CABLE ATTACHED TO STRUCTURE**  
NOT TO SCALE



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

**NOTES:**

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

FILE NAME = W:\diststd\22x34\be801.dgn	USER NAME = gaglianobt	DESIGNED - DRAWN -	REVISED - REVISED -	08-08-03	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TEMPORARY AERIAL CABLE INSTALLATION</b>				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 1/4/2008	DATE -	REVISED -	REVISED -							<b>BE-801</b>	<b>CONTRACT NO. 60D61</b>			
										FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				



**GENERAL NOTES:**

Fasteners shall be AASHTO M164 Type I, mechanically galvanized bolts. Bolts 7/8 in.  $\phi$ , holes 1 1/8 in.  $\phi$ , unless otherwise noted.  
 Calculated weight of Structural Steel (AASHTO M270, Grade 50) = 621200 lbs.  
 No field welding is permitted except as specified in the contract documents.  
 Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.  
 Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer.

Any cracks that cannot be removed by grinding 1/4 inch deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

Protective coat shall not be applied to surfaces to which Membrane Waterproofing is applied.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.

The concrete for bridge decks finished according to Article 503.16(a) of the Standard Specifications shall be placed and compacted parallel to the skew in uniform increments along centerline of bridge. The machine used for finishing shall be set parallel to the skew for striking off and screeding the concrete.

Existing Name Plate shall be cleaned and relocated next to new Name Plate. Cost included with Name Plates.

Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.

All removal work shall be performed with care so that materials which are to remain in place or to be reused will not be damaged. It will be the Contractor's responsibility to repair or replace any members damaged as a result of the removal operation.

Where called for on the plans, existing structural steel, which is to remain in place shall be modified by drilling, sawing or a combination of both. Flame cutting of members, which are to remain in place, will not be allowed. The use of oxyacetylene or oxy-MAPP gas cutting is not permitted, although arc gouging is permissible to cut out the central core of rivets if no cutting of the hole ID occurs. The rivet shall then be forced out by mechanical means. If cutting of the hole ID does occur, the hole shall be redrilled to the next larger-sized bolt which eliminates any cuts caused by arc gouging.

Where existing structural steel to remain has been cut or new holes have been drilled, the edges shall be dressed to a smooth, uniform surface with no notches or gouges.

All reinforcement bars that are damaged during concrete removal operation shall be repaired or replaced using an approved bar splicer or anchorage system. Cost is included in the cost of Concrete Removal.

The Contractor shall submit a detailed plan of proposed construction procedures and sequences for the proposed work on the bascule span to the Engineer for review and approval prior to commencing this work. Approval shall not relieve the Contractor of any responsibility for the stability of the bridge during the removal and replacement operations.

The cost of field welding and field drilling of new or existing structural members, as noted in the plans, shall be included in the cost of Furnishing and Erecting Structural Steel.

Work on the structure shall be done in such a manner that the closure of the bridge to river traffic (periods where the bridge is restricted to the down position) is prohibited. River traffic is to be maintained at all times. Work that requires the bridge to be immobilized shall be done with the bridge restricted to the up position.

For angles with unequal legs, the leader points to the angle leg mentioned first. Slipforming of parapets is not allowed.

New bolt spacing not shown on the structural steel plans shall conform to the details shown on the existing shop drawings available upon request as indicated in the special provisions.

DESIGNED	A. HAMMAD
CHECKED	J. GRAINAWI
DRAWN	D. C. PATEL
CHECKED	A. HAMMAD

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**GENERAL NOTES FOR PAINT**

Cleaning and painting of existing structural steel shall be as specified in the Special Provision for "Cleaning and Painting Existing Steel Structures."  
 The Inorganic zinc rich primer/ Acrylic/Acrylic Paint System shall be used for the shop and field painting of new structural steel except where noted otherwise. See Special Provision "Cleaning and Painting New Metal Structures".  
 The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.  
 The designated areas cleaned per Near White Blast Cleaning - SSPC-SP10 shall be painted according to the requirements of Paint System 3 - EM/EM/AC.  
 The SSPC-QP1 and SSPC-QP2 painting contractor certifications will be required for this bridge.

A minimum of two air monitors will be required to monitor abrasive blasting operations at this site. See Special Provisions for "Containment and Disposal of Lead Paint Cleaning Residues".

All machinery, electrical and mechanical systems shall be protected during cleaning and painting operations.

**FIXED SPANS**

All existing structural steel shall be cleaned per Near White Blast Cleaning - SSPC - SP10. This also includes all of Bent K on structure 016-0460.

The color of the final finish coat for all surfaces, including bearing devices, shall be Gray, Munsell No. 5B 7/1.

**BASCULE SPAN**

(INCLUDES ALL STEEL THAT MOVES, EVEN THE PARTS OF THE TRUSSES THAT EXTENDS BELOW THE FIXED SPANS)

All existing structural steel shall be cleaned per Near White Blast Cleaning - SSPC-SP10.

The color of the final finish coat for all steel shall be Gray, Munsell No. 5B 7/1.

**SCOPE OF WORK**

Remove the open steel grid deck and replace with an orthotropic deck system.  
 Remove and replace each existing fixed span reinforced concrete deck and sidewalks.  
 Bridge house rehabilitations consisting of roof replacement, window replacements, replacing and resetting of exterior stone cladding, and exterior joint sealing and other items as shown.  
 Perform structural concrete repairs and epoxy inject cracks. Reinforce concrete pedestals in the pits with Carbon Fiber Reinforced Polymer.  
 Remove the steel stringers in the movable spans.  
 Remove and replace bottom lateral bracing.  
 Repair/Replace Floorbeams and Floorbeam Brackets in the movable spans.  
 Repair cross girder K, part of adjacent west structure 016-0460.  
 Perform repairs to deteriorated columns in the fixed spans.  
 Repair Steel Truss members.  
 Remove the steel filled concrete sidewalk and stringers in the movable spans and replace with orthotropic sidewalk system.  
 Remove the steel curb in the movable spans and replace with F-Shape Aluminum Parapet.  
 The existing New Jersey Type Aluminum Parapet will remain, except for replacement of deteriorated posts and damaged sections.  
 Remove and replace ornamental railing in the movable spans with aluminum railing.  
 Remove and replace center breaks and rear breaks.  
 Remove the finger expansion joint at the west end and replace with a strip seal expansion joints.  
 Remove and replace the machinery rooms' roof overlay.  
 Remove debris and clean counterweight pits.  
 Balance the bridge.  
 Remove and replace the electrical and control system.  
 Repair bridge machinery.

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156	Concrete Slab for Emergency Generator
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163	Miscellaneous Details

STATION 380+69.12  
 REBUILT 200 BY  
 STATE OF ILLINOIS  
 F.A.P. FT. 389  
 SEC. 2424.2B-R  
 LOADING HS20  
 STRUCTURE NO. 016-2445

**NAME PLATE**  
 See Std. 515001

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment	Cu. Yd.	--	4	4
Bridge Sidewalk Removal	Sq. Ft.	3878	--	3878
Removal of Existing Concrete Deck	L. Sum	1	--	1
Protective Shield	Sq. Yd.	1707	--	1707
Structure Excavation	Cu. Yd.	--	5.5	5.5
Concrete Structures	Cu. Yd.	--	1.7	1.7
Concrete Superstructure	Cu. Yd.	508	--	508
Bridge Deck Grooving	Sq. Yd.	988	--	988
Protective Coat	Sq. Yd.	1511	--	1511
Furnishing & Erecting Structural Steel	L. Sum	1	--	1
Stud Shear Connectors	Each	6302	--	6302
Structural Steel Removal	L. Sum	1	--	1
Structural Steel Repair	Pound	137850	--	137850
Cleaning & Painting Steel Bridge	L. Sum	1	--	1
Reinforcement Bars, Epoxy Coated	Pound	86010	190	86200
Steel Railing, Type 2399	Foot	161	--	161
Aluminum Railing	Foot	553	--	553
Name Plates	Each	2	--	2
Prefomed Joint Strip Seal	Foot	129	--	129
Membrane Waterproofing	Sq. Ft.	1946	--	1946
Epoxy Crack Injection	Foot	--	144	144
Bridge Deck Latex Concrete Overlay, 2 1/4"	Sq. Yd.	1040	--	1040
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq. Ft.	--	57	57
Masonry Wall Construction	Sq. Ft.	385	--	385
Rivet Removal and Replacement	Each	2888	--	2888
Removal of Existing Aluminum Railing	Foot	621	--	621
Carbon Fiber Reinforced Polymer Repair	Sq. Ft.	--	996	996
Temporary Raised Reflective Pavement Marker (Bridge, Special)	Each	50	--	50
F-Shape Aluminum Parapet	Foot	533	--	533
Temporary Thrie Beam Steel Plate Guardrail, Type D (Special)	Foot	454	--	454
Abrasion Resistant Polyurethane Bridge Wearing Surface	Sq. Ft.	20220	--	20220
Abrasion Resistant Polyurethane Sidewalk Wearing Surface	Sq. Ft.	3682	--	3682
Counterweight Pit Cleaning	Each	--	4	4
Furnishing & Erecting Steel Orthotropic Deck	Sq. Ft.	20220	--	20220
Furnishing & Erecting Steel Orthotropic Sidewalk	Sq. Ft.	3682	--	3682
Remove and Reinstall Existing Aluminum Parapet	Foot	741	--	741
Sidewalk Flooring over Rear Arm, 2"	Sq. Ft.	160	--	160
Bridge Decking over Rear Arm, 4 1/4"	Sq. Ft.	60	--	60
Timber Bumpers	Foot	--	32	32
Metal Handrails & Metal Guardrails	Foot	1235	--	1235
Metal Ladders	Each	--	9	9
Metal Ships Ladders	Each	--	9	9
Metal Grating	L. Sum	1	--	1
Concrete Stairs Repair	L. Sum	--	1	1
Stair Well Rehabilitation	L. Sum	--	1	1
Metal Stairs	L. Sum	--	1	1
Windows	L. Sum	--	1	1
Membrane Roofing	Each	2	--	2
Stone Masonry Repairs and Replacements	L. Sum	--	1	1
Metal Panels	L. Sum	--	1	1
Window Blinds	L. Sum	--	1	1
Containment and Disposal of Lead Paint Cleaning Residues	L. Sum	1	--	1
Containment and Disposal of Non-Lead Paint Cleaning Residues	L. Sum	1	--	1
Bridge Floor Removal	Sq. Yd.	2171	--	2171

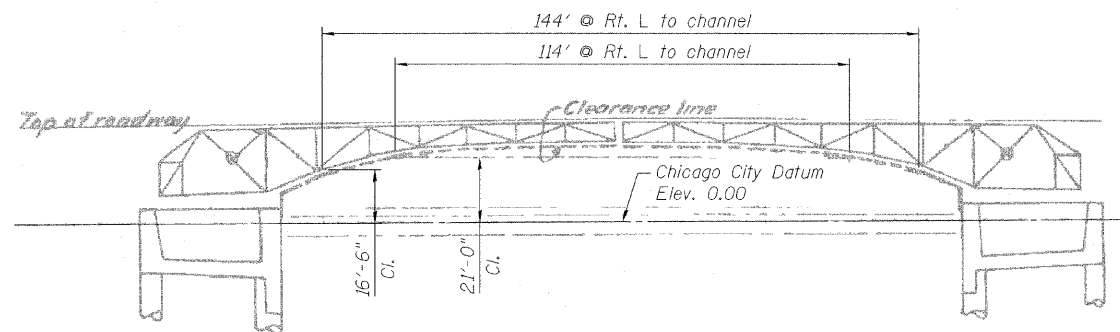
\* Cost of Floor Drains/Scuppers is included in this Item.

**GENERAL DATA**  
**STRUCTURE NO. 016-2445**

SHEET NO. 2	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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163 SHEETS	CONTRACT NO. 60D61			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT	

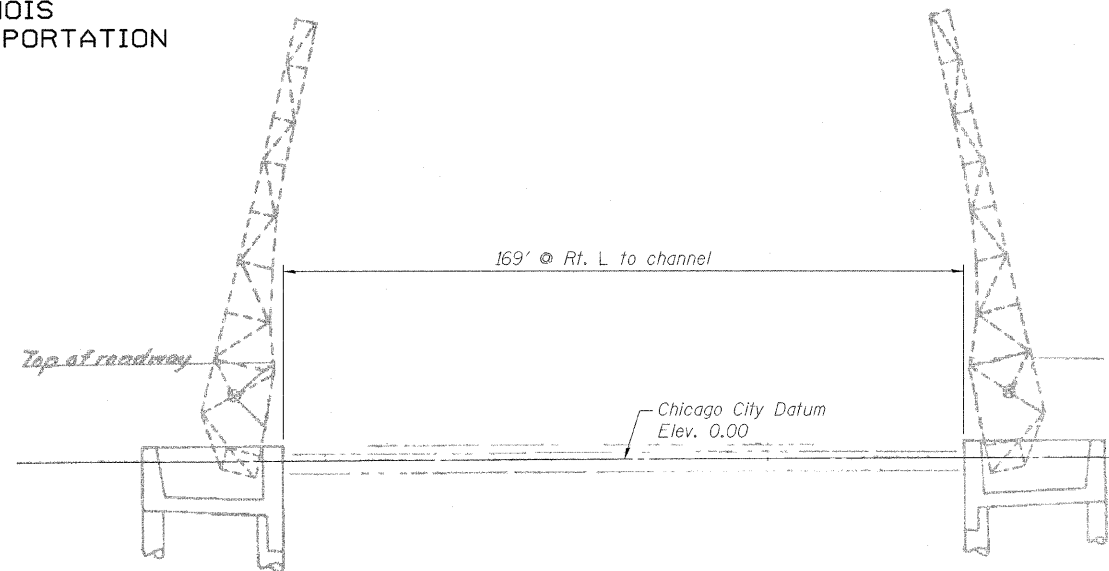
**PB Americas, Inc.**  
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 SUITE 900  
 CHICAGO, IL. 60606

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DEPARTMENT OF TRANSPORTATION



**POSITION 1**

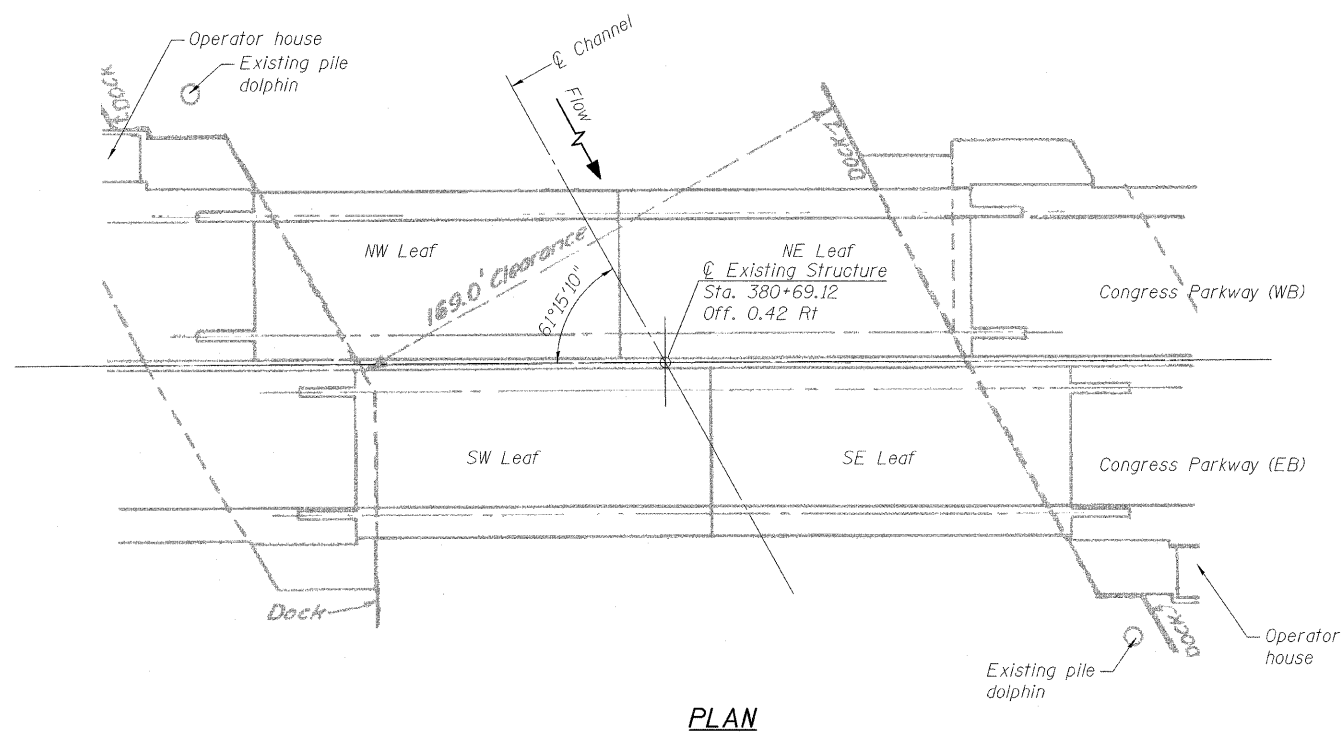
Full Closed: Bridge is operable, all leaves must be raised into full open position for navigation



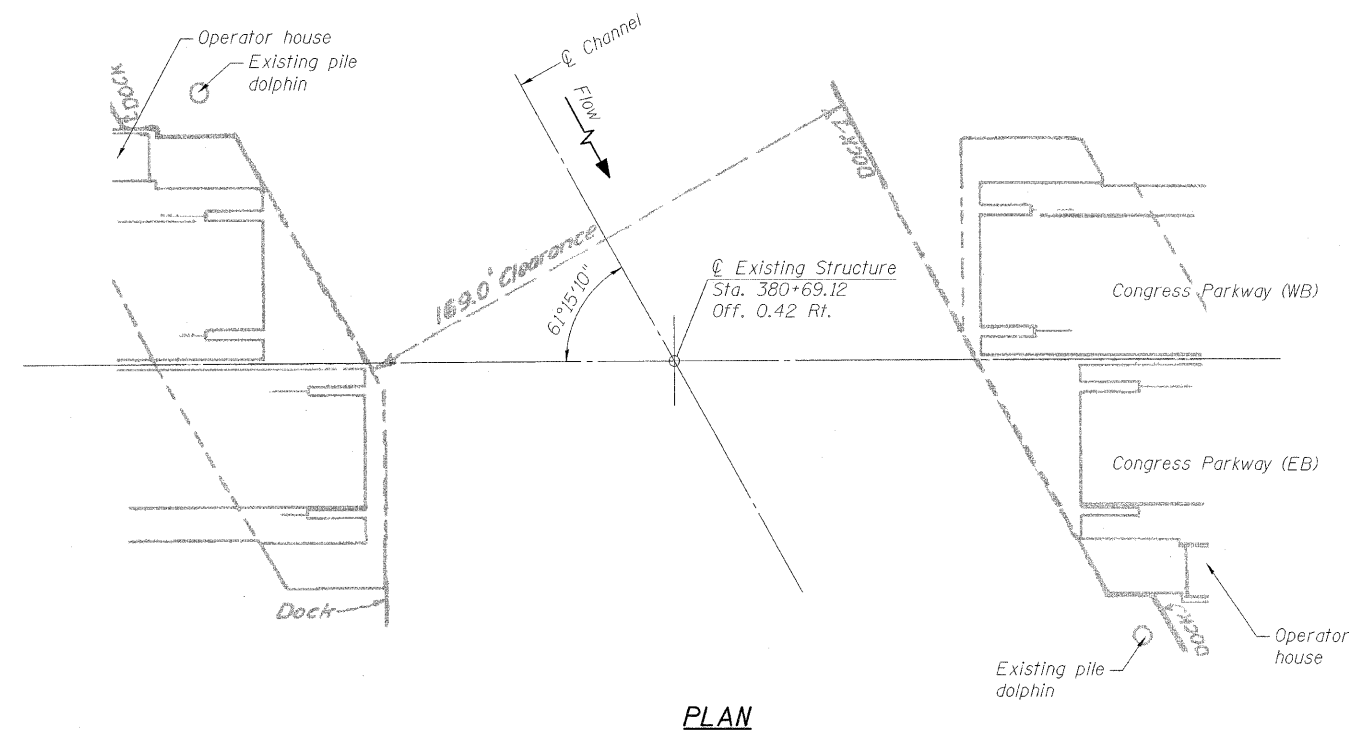
**POSITION 2**

Both leaves full open (Eastbound or Westbound):

- Stage I: Westbound bridge operable. Eastbound bridge may be inoperable. Rehabilitation of the EB leafs may be performed in this position provided that a temporary channel width of 115'-0" is provided.
- Stage II: Eastbound bridge operable. Rehabilitation of the WB leafs may be performed in this position provided that a temporary channel width of 115'-0" is provided



**PLAN**



**PLAN**

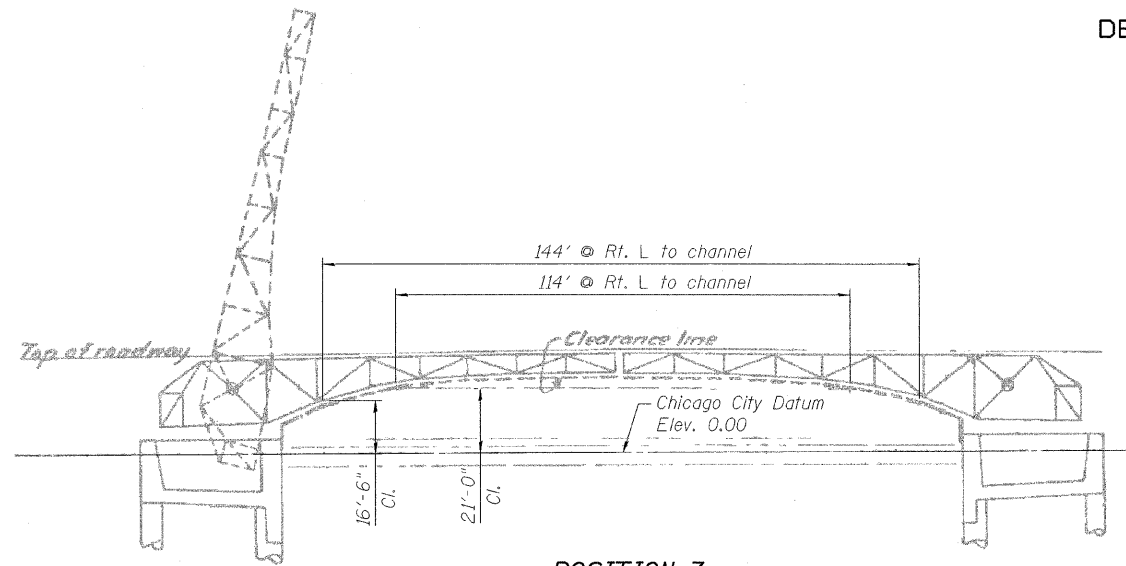
DESIGNED	A. HAMMAD
CHECKED	J. GRAINAWI
DRAWN	D. C. PATEL
CHECKED	A. HAMMAD

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SHEET NO. 3 163 SHEETS	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	389	2424.2B-R	COOK	398	84
CONTRACT NO. 60D61					
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					

**STAGE CONSTRUCTION DETAILS  
STRUCTURE NO. 016-2445**

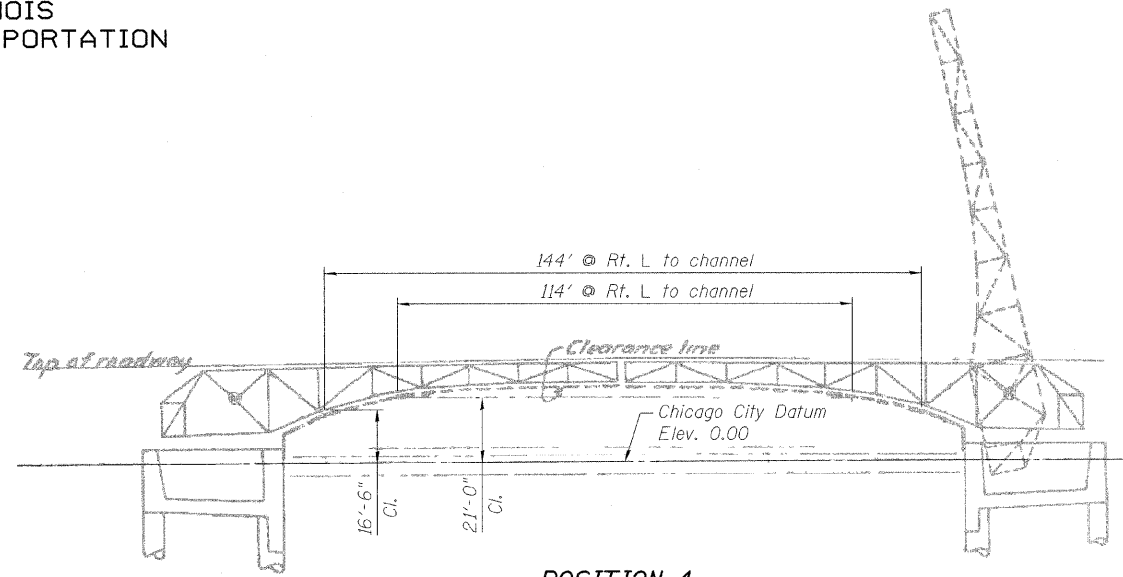
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



**POSITION 3**

SW leaf open & SE leaf closed

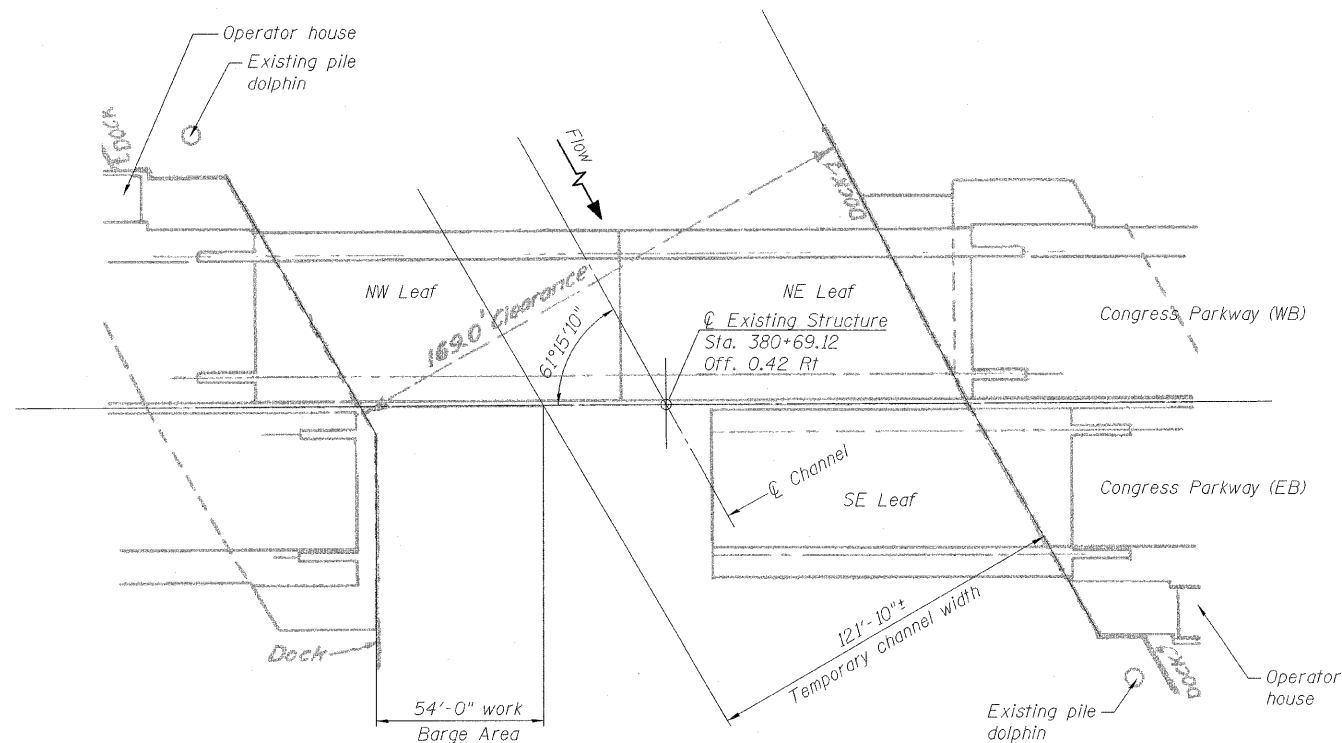
Stage I: Westbound bridge operable. SW leaf may be operable, SE leaf must be operable for open position for navigation. Rehabilitation of the SW leaf may be performed in this position.



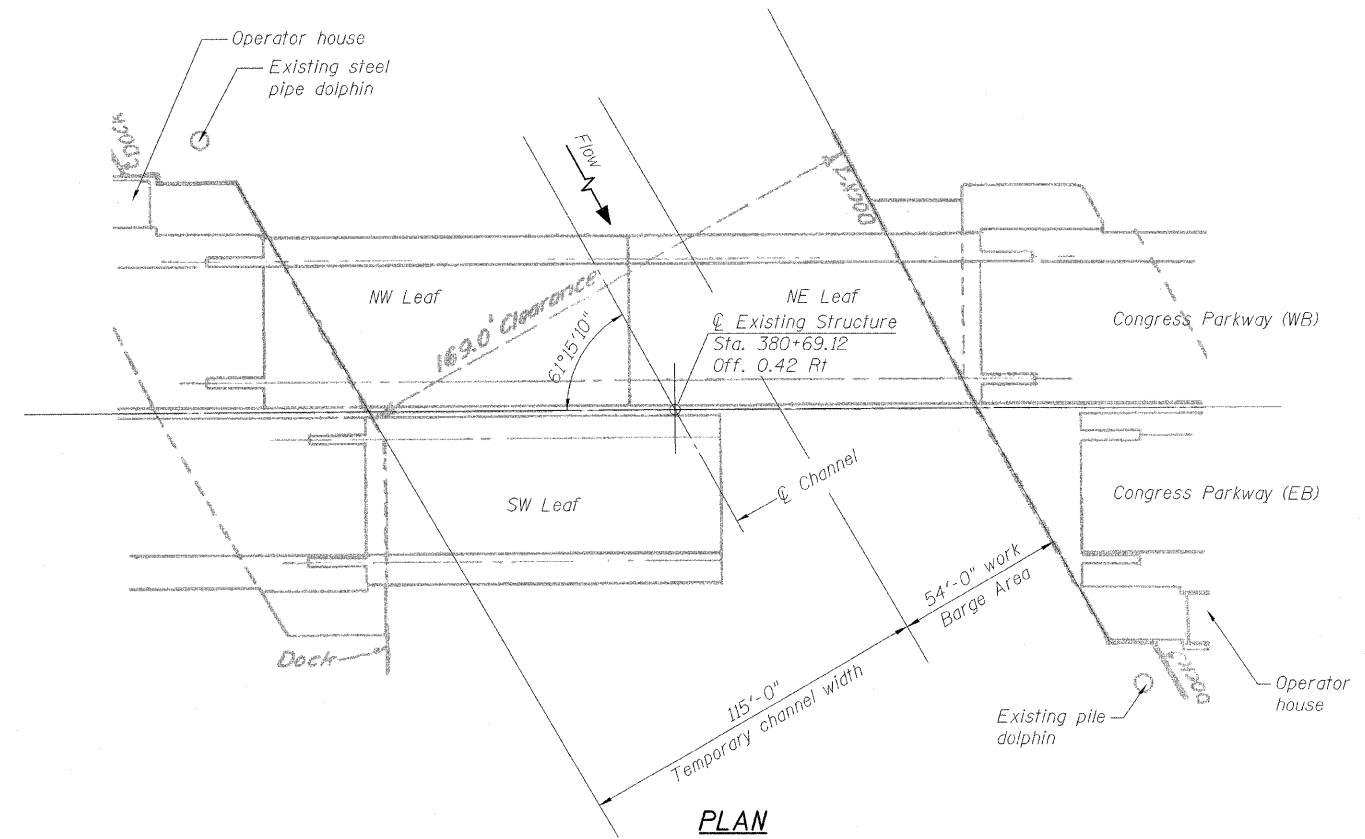
**POSITION 4**

SE leaf open & SW leaf closed

Stage I: Westbound bridge operable. SE leaf may be operable, SW leaf must be operable for open position for navigation. Rehabilitation of the SE leaf may be performed in this position.



**PLAN**



**PLAN**

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DRAWN	D. C. PATEL
CHECKED	A. HAMMAD

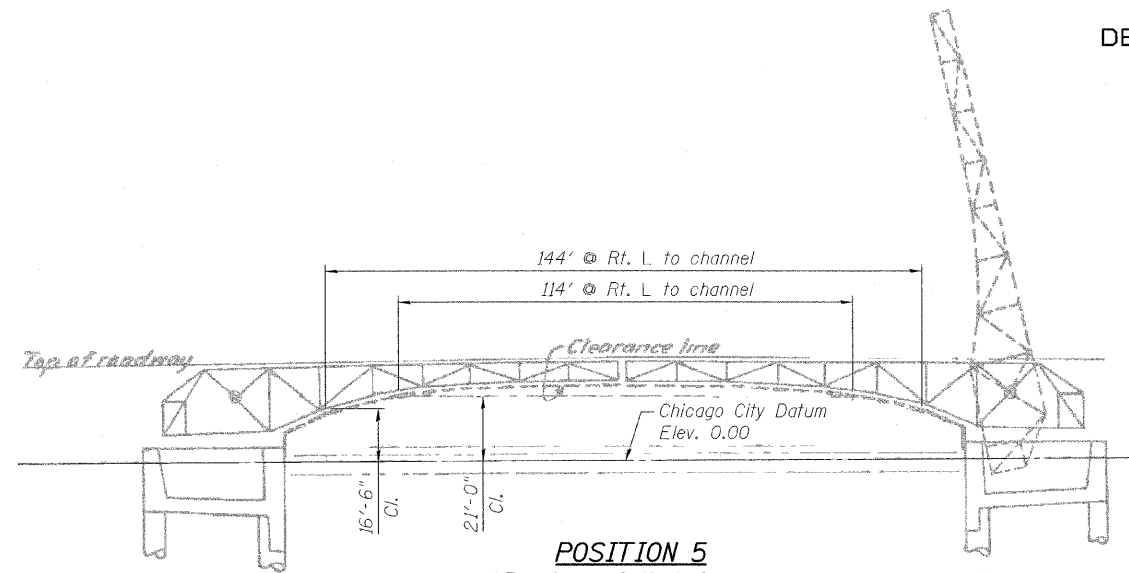
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SHEET NO. 4 163 SHEETS	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	389	2424.2B-R	COOK	398	85
CONTRACT NO. 60D61					
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					

**STAGE CONSTRUCTION DETAILS  
STRUCTURE NO. 016-2445**

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07-MAY-2009

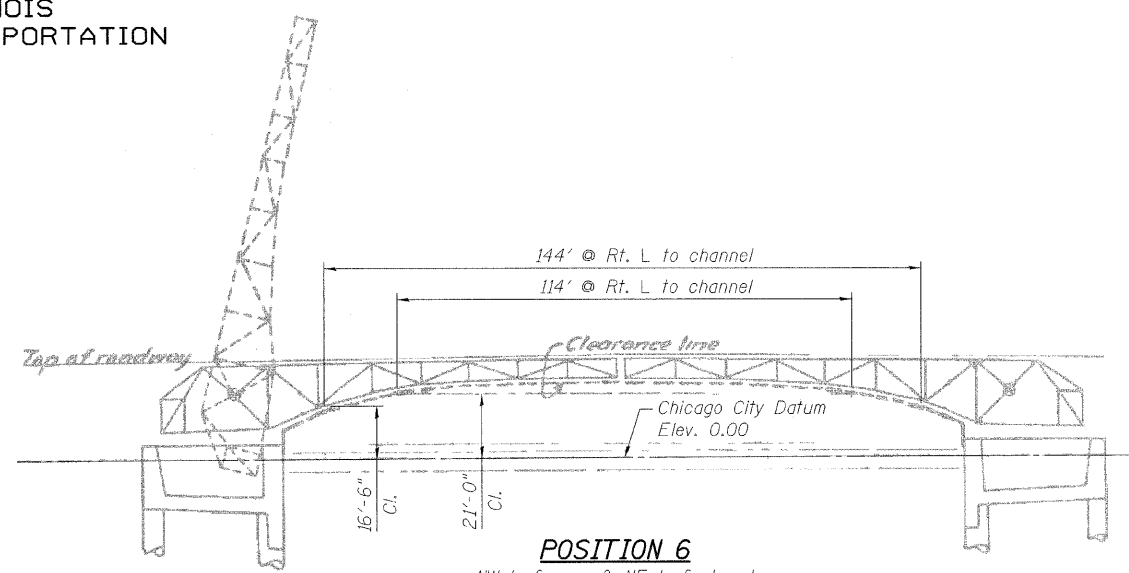
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**POSITION 5**

NE leaf open & NW leaf closed

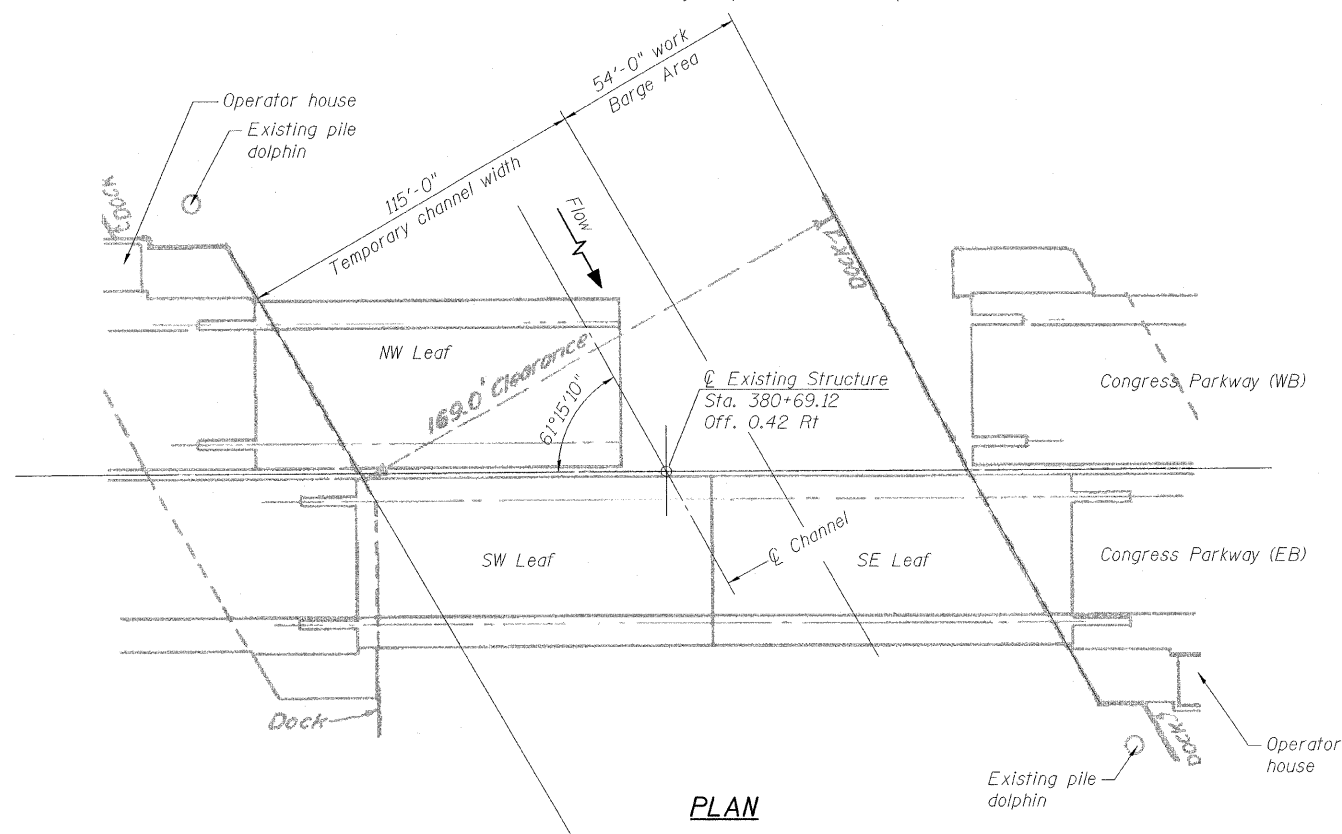
Stage II: Eastbound bridge operable. NE leaf may be operable, NW leaf must be operable for open position for navigation. Rehabilitation of the NE leaf may be performed in this position.



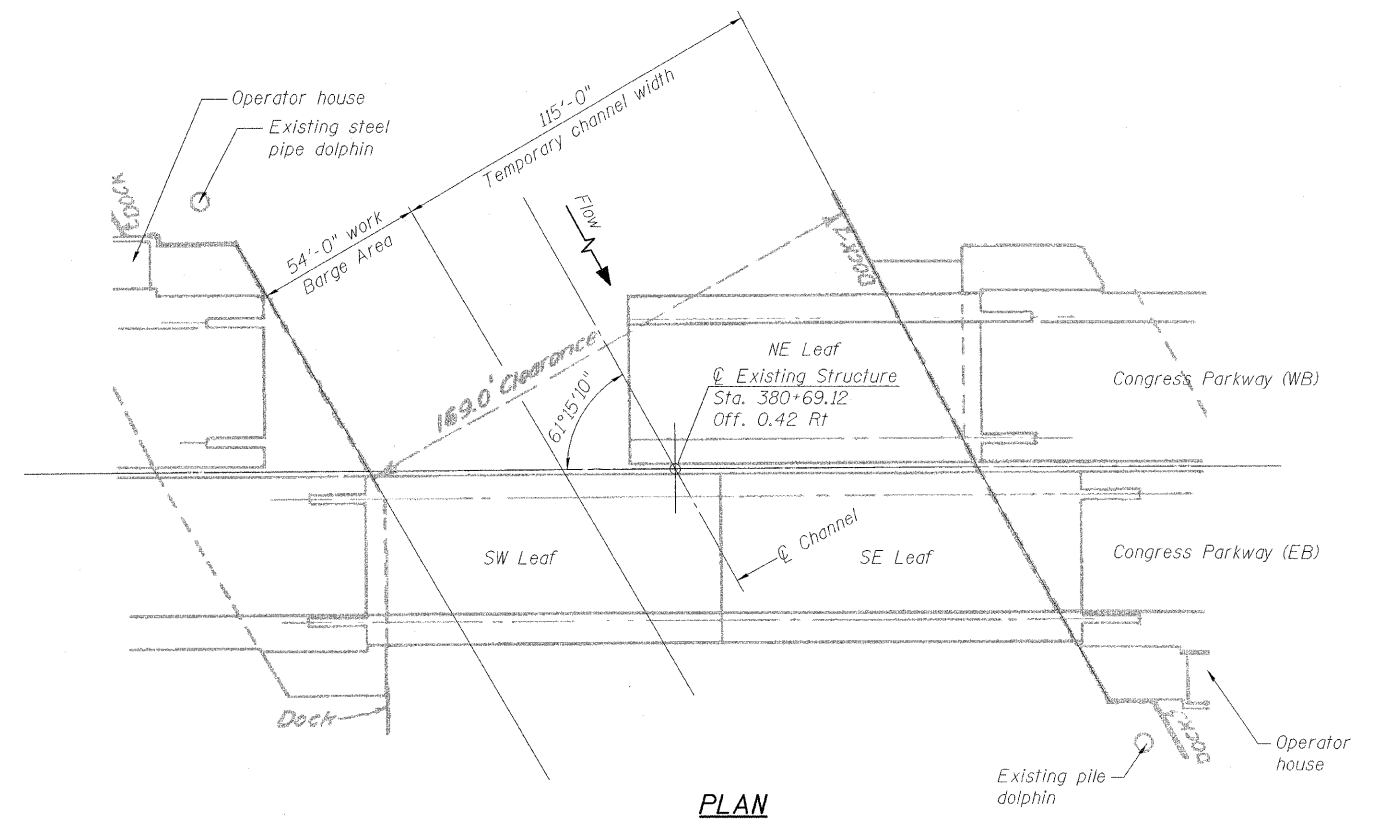
**POSITION 6**

NW leaf open & NE leaf closed

Stage II: Eastbound bridge operable. NW leaf may be operable, NE leaf must be operable for open position for navigation. Rehabilitation of the NW leaf may be performed in this position.



**PLAN**



**PLAN**

**Notes:**

When the leaves of the bascule span are inoperable in the full open position, the leaves must be secured. The Contractor shall submit the method and details, for securing the leaves in full open position, to the Engineer for review and approval.

The leaves shall be secured in the full open position during rehabilitation of the mechanical and electrical systems which maintain the bridge leaves in position.

The new untested machinery and electrical components of the drive system shall not be used to lower the leaves without an independent support/lowering system or as temporary bridge operating systems. The contractor shall submit the method of independent support/lowering to the Engineer for review and approval.

Bascule leaves (open or closed) and navigational channel shall be appropriately marked at all times as per US Coast Guard regulations.

Temporary means to operate the active leaf shall be available at all times. See special provisions for additional details.

The Contractor shall maintain proper balance of the bascule spans during construction such that the imbalance is not more than described in the special provision and the drive system is not overstressed.

See Mechanical Drawings for machinery work. See Electrical Drawings for electrical work. See Structural Drawings for repair and replacement work which includes steel deck removal and replacement, sidewalk replacement, and steel repairs/replacement.

The Contractor may maintain the bridge in position 2,3,4,5, or position 6 during construction upon approval by the U.S. Coast Guard. Maximum encroachment into the channel is 54 feet.

The Eastbound bridge will be closed to vehicular traffic during rehabilitation (Stage I).

The Westbound bridge will be closed to vehicular traffic during rehabilitation (Stage II).

For clarity, operator's house is not shown in elevations. Work required to comply with all U.S. Coast Guard closure and navigation requirements shall be included in total contract.

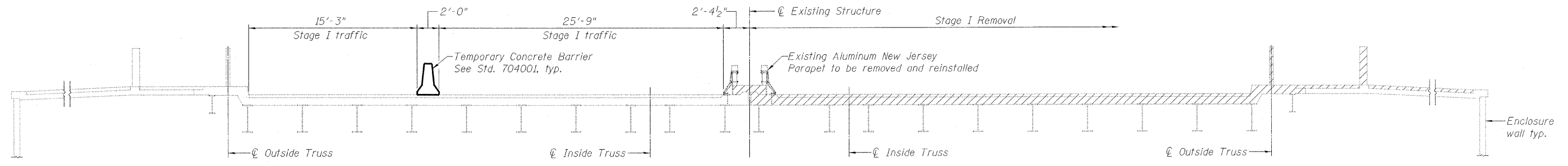
**STAGE CONSTRUCTION DETAILS  
STRUCTURE NO. 016-2445**

DESIGNED	A. HAMMAD
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DRAWN	D. C. PATEL
CHECKED	A. HAMMAD

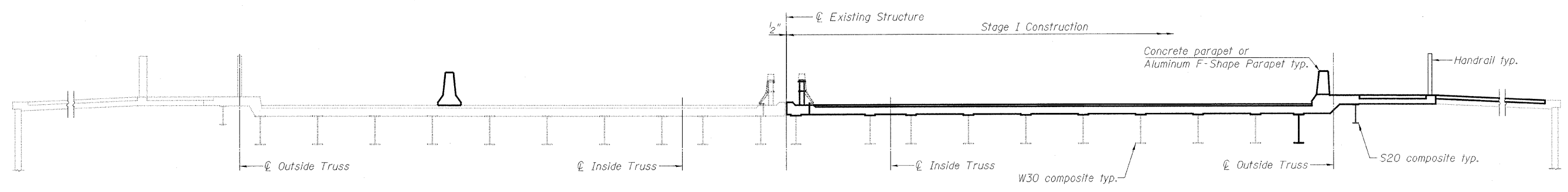
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SHEET NO. 5 163 SHEETS	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 60D61		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					

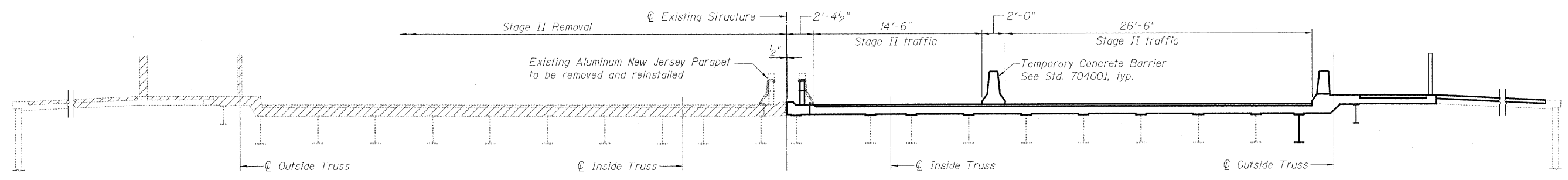
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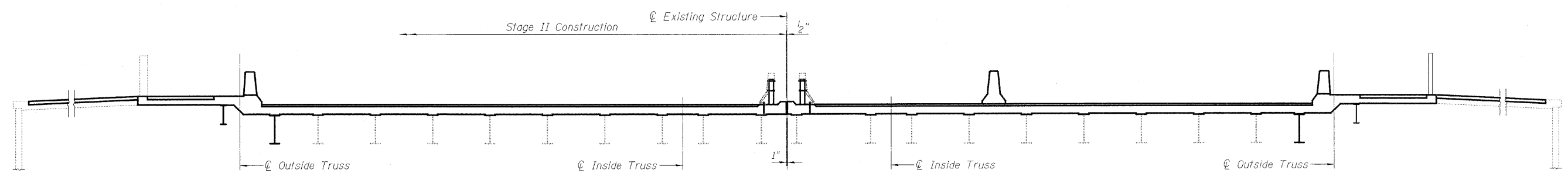
**STAGE I REMOVAL**



**STAGE I CONSTRUCTION**



**STAGE II REMOVAL**



**STAGE II CONSTRUCTION**

(West fixed span shown. East fixed span similar)

Notes:  
All staging cross sections are looking East.  
For quantity of Temporary Concrete Barrier, see roadway plans.  
Hatched area indicates Removal of Existing Structures.  
All existing stringers in the fixed span are non-composite and some will be made composite with new reinforced concrete deck.  
Existing roadway stringers beyond anchor columns to remain and are not shown for clarity.  
Existing sidewalk and enclosure framing to remain and are not shown for clarity.

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DRAWN	D. C. PATEL
CHECKED	A. HAMMAD

**STAGE CONSTRUCTION DETAILS  
STRUCTURE NO. 016-2445**

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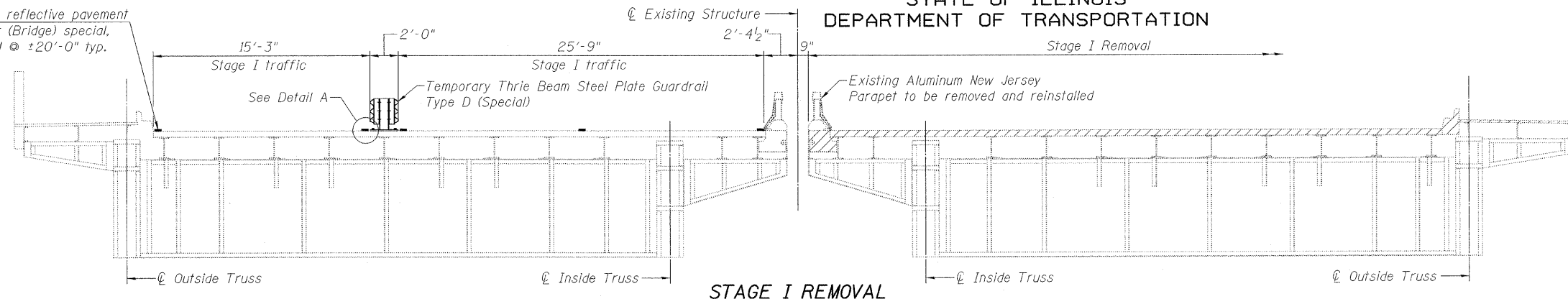
SHEET NO. 6 163 SHEETS	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	389	2424.2B-R	COOK	398	87
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				CONTRACT NO. 60D61	

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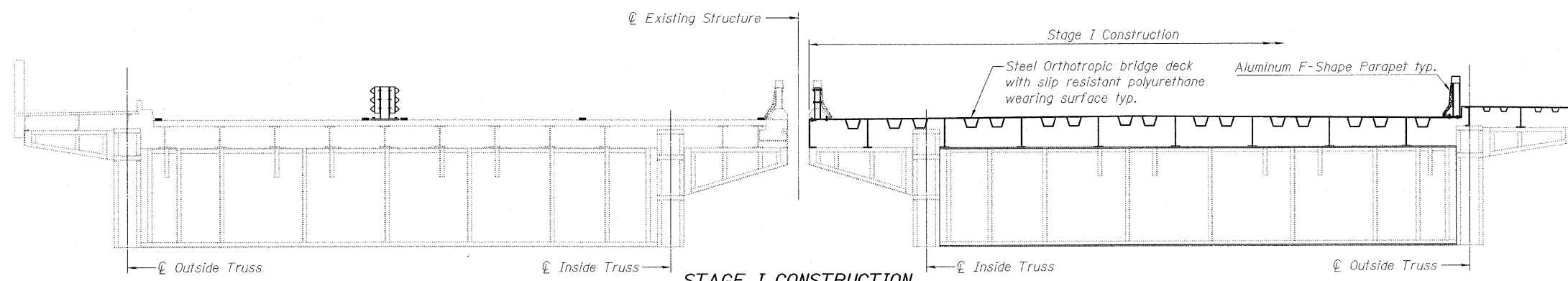


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DEPARTMENT OF TRANSPORTATION

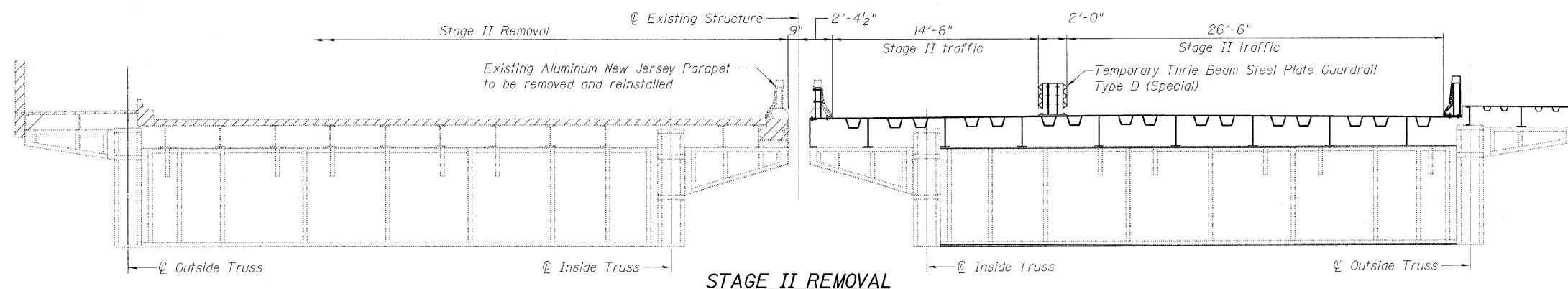
Raised reflective pavement marker (Bridge) special, spaced @ ±20'-0" typ.



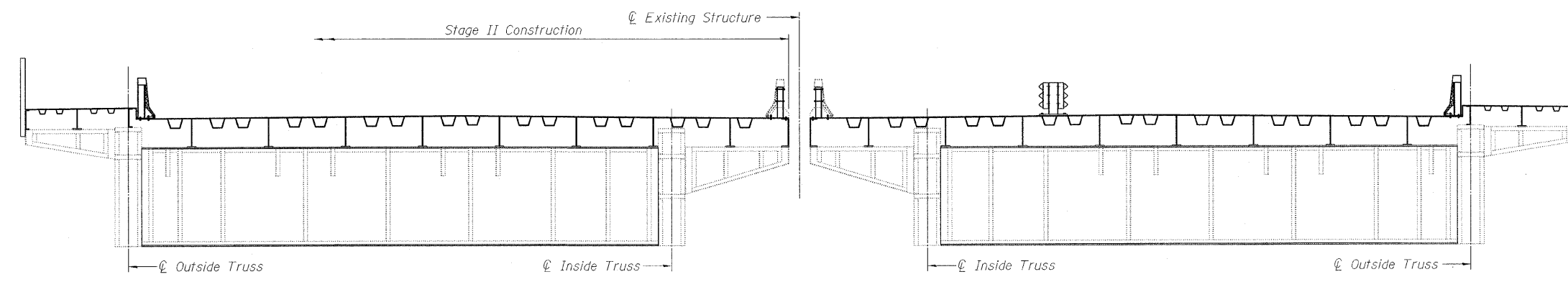
**STAGE I REMOVAL**



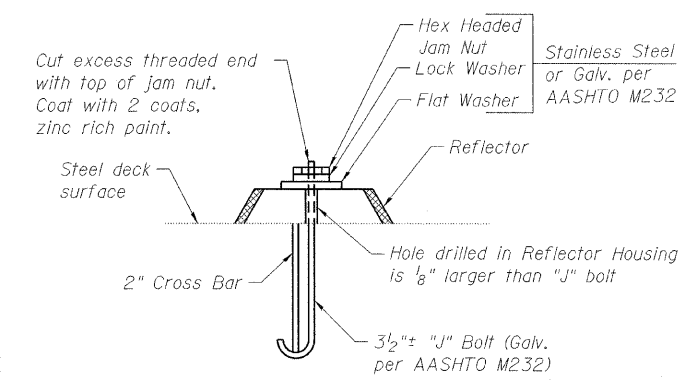
**STAGE I CONSTRUCTION**



**STAGE II REMOVAL**



**STAGE II CONSTRUCTION**



**DETAIL A**

Notes:  
All staging cross sections are looking East.  
For Temporary Thrie Beam Steel Plate Guardrail, see sheet 8 of 163.  
Hatched area indicates Removal of Existing Structures.  
All existing deck, sidewalk and stringers in the movable leafs to be removed and replaced with Steel Orthotropic bridge deck with slip resistant polyurethane wearing surface.

**STAGE CONSTRUCTION DETAILS  
STRUCTURE NO. 016-2445**

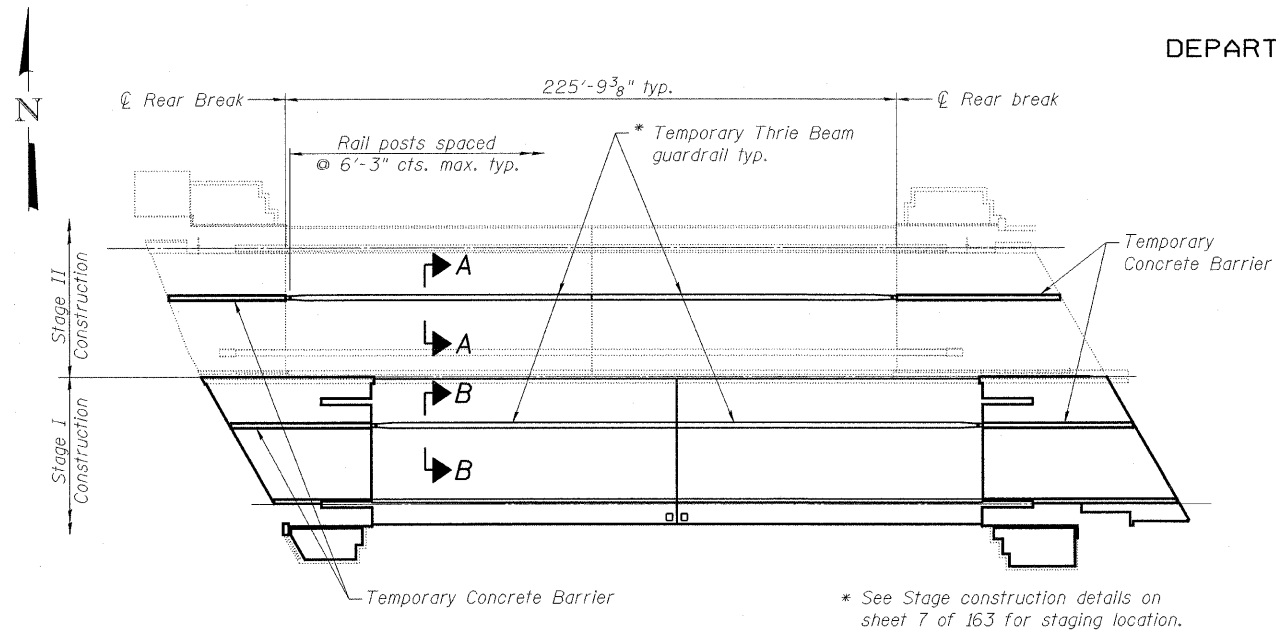
DESIGNED	A. HAMMAD
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CHECKED	A. HAMMAD

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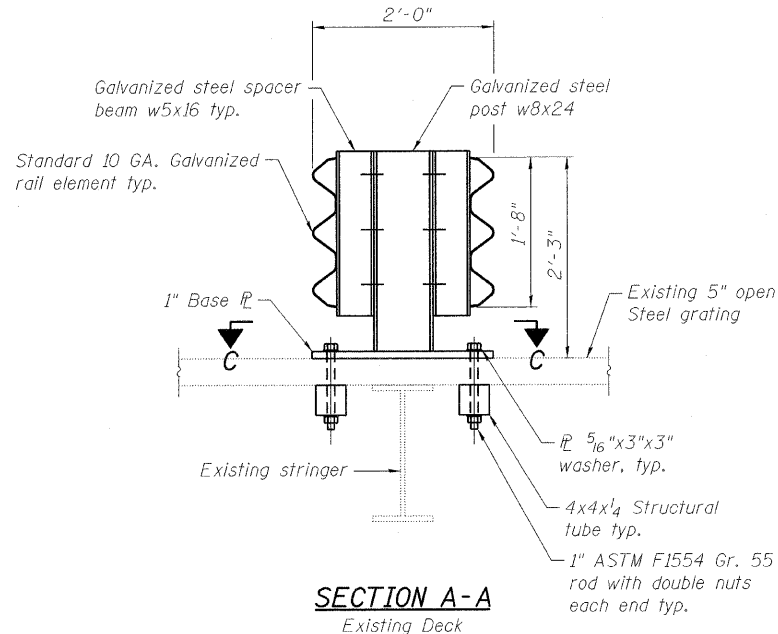
SHEET NO. 7 163 SHEETS	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60D61					
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					

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**TEMPORARY DUAL FACE THRIE BEAM GUARDRAIL  
POST SPACING PLAN**

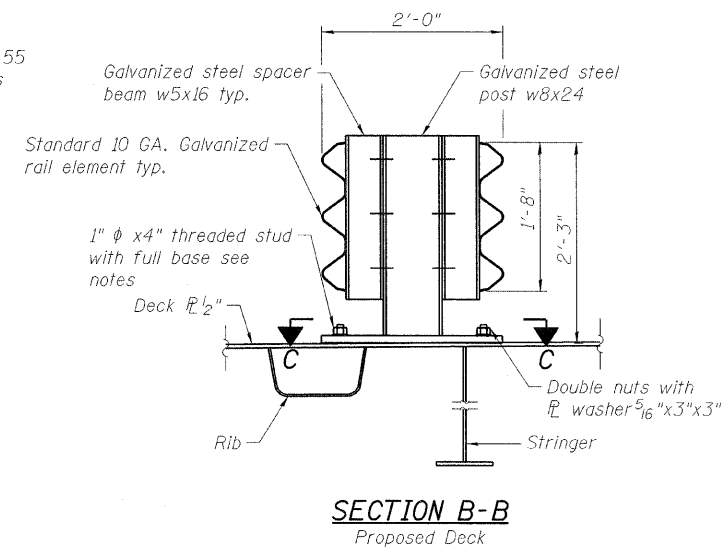


**SECTION A-A  
Existing Deck**

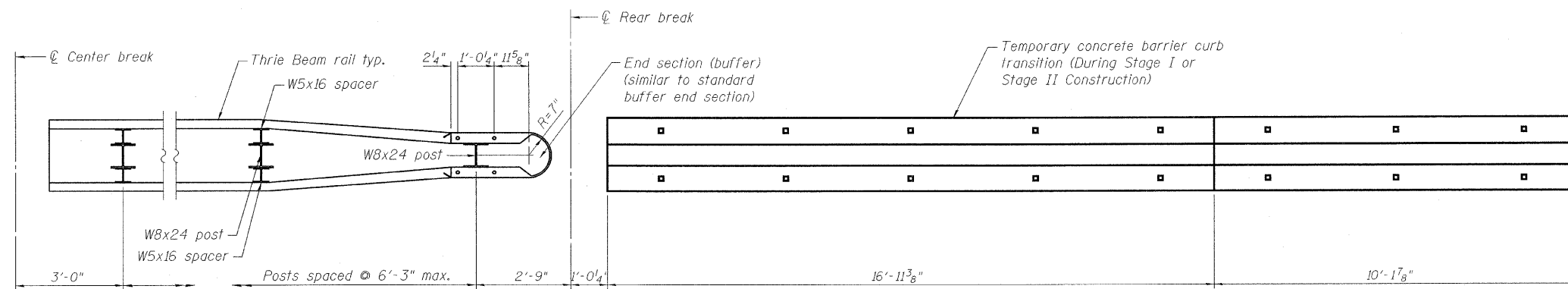
Notes:  
Use of long-slotted holes in the longer direction of the base plate will be allowed.  
Costs for temporary dual face beam guide rail, including end sections and attachment type shall be included in the cost for pay item 153, "temporary dual face beam guide rail."

All cost for Temporary Bridge Barrier shall be included under pay item "Temporary Thrie Beam steel plate Guardrail, Type D (Special)".  
Under no circumstances shall the Contractor be allowed to cut the main, cross or supplemental bars in the existing grid deck. The Contractor shall be allowed to cut existing grid deck transverse bars for installation of anchor bolts. Cutting of main bars in existing grid deck and drilling/cutting into existing channel purlins shall only be permitted with Engineer's approval. Modify post locations and standard bolt hole locations in rail elements as required to meet the above criteria. Contractor shall be responsible for coordinating post spacing and anchor bolt/stud locations with steel grid and orthotropic deck shop drawings, steel barrier post spacing shall not exceed 6'-3\"/>

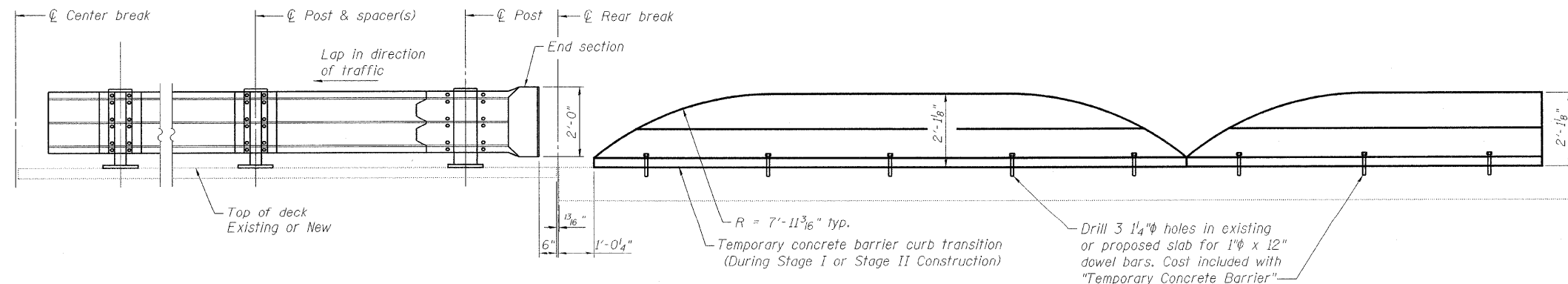
Threaded studs shall be welded to orthotropic deck prior to wearing surface application. Threads shall be taped or otherwise protected during wearing surface application. After post has been removed, threaded studs shall be removed by grinding and shall be ground smooth by grinding in the transverse direction only.



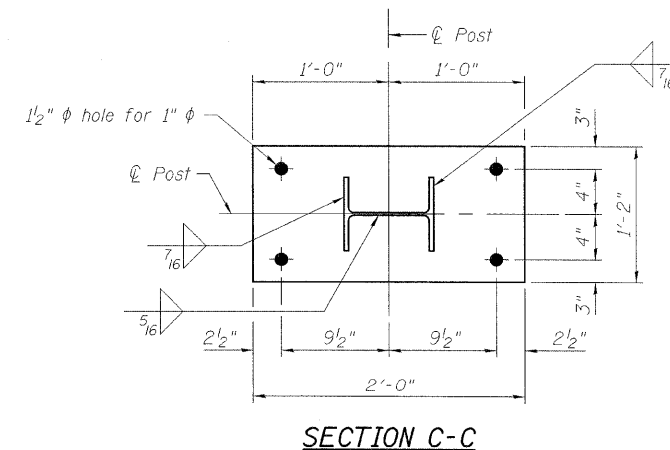
**SECTION B-B  
Proposed Deck**



**TEMPORARY DUAL FACE THRIE BEAM GUARDRAIL CONSTRUCTION BARRIER PLAN**



**TEMPORARY THRIE BEAM GUARDRAIL ELEVATION**



**SECTION C-C  
STAGE CONSTRUCTION DETAILS  
STRUCTURE NO. 016-2445**

**BILL OF MATERIAL**

Item	Unit	Quantity
Temporary Thrie Beam Steel Plate Guardrail, Type D (Special)	Foot	454

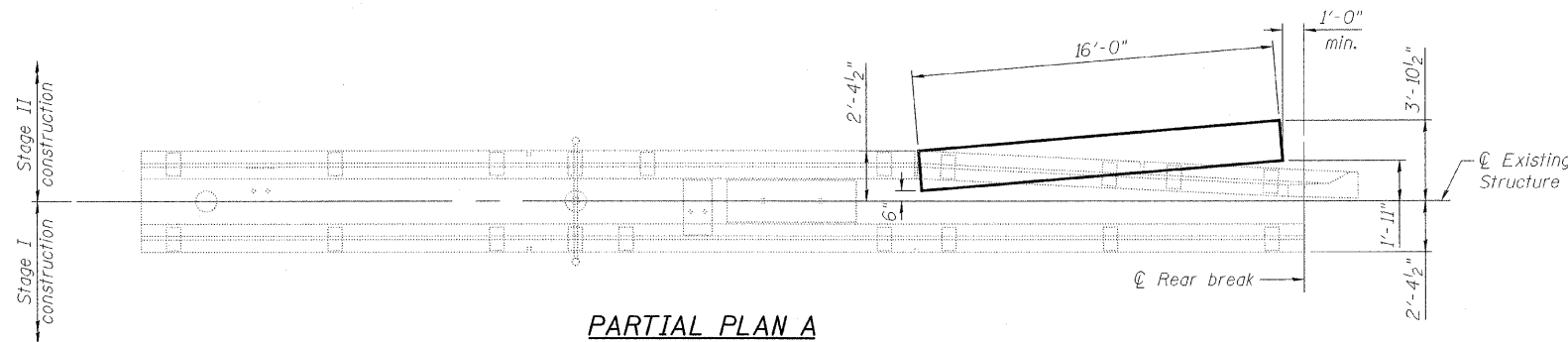
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SHEET NO. 8 163 SHEETS	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 60D61		
FED. AID PROJECT					

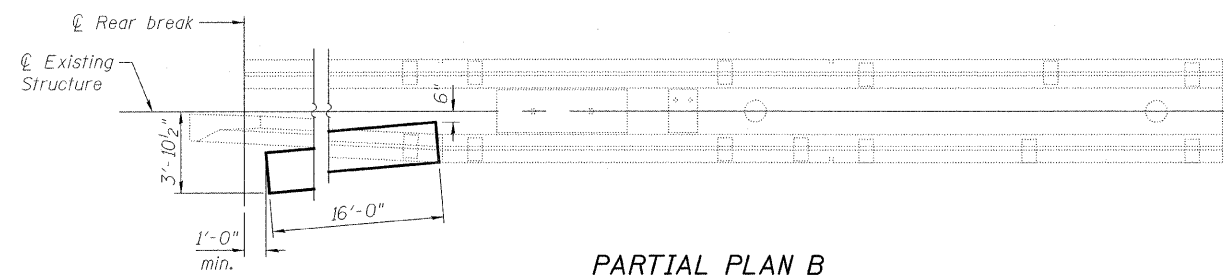
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07-MAY-2009

DESIGNED	A. HAMMAD
CHECKED	J. GRAINAWI
DRAWN	D. C. PATEL
CHECKED	A. HAMMAD

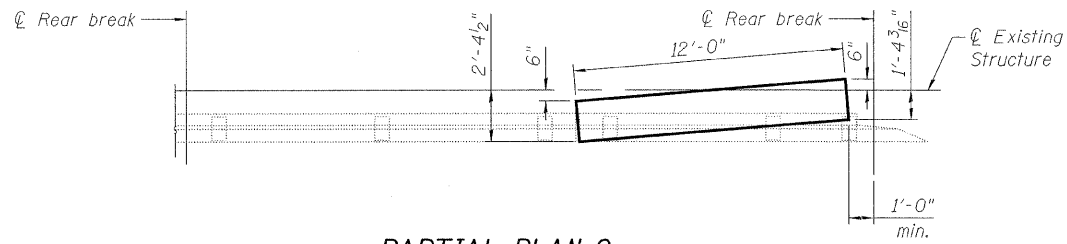
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



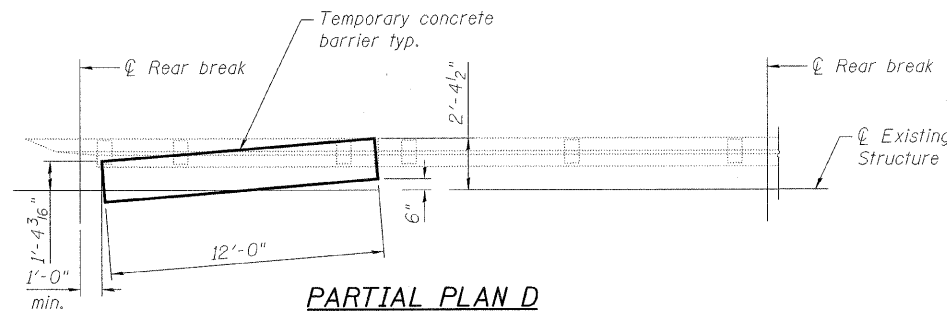
PARTIAL PLAN A



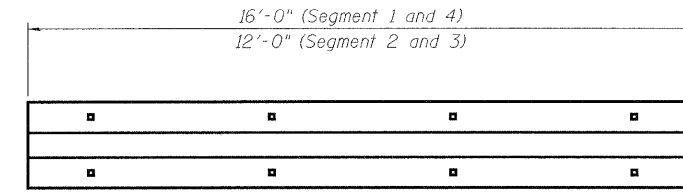
PARTIAL PLAN B



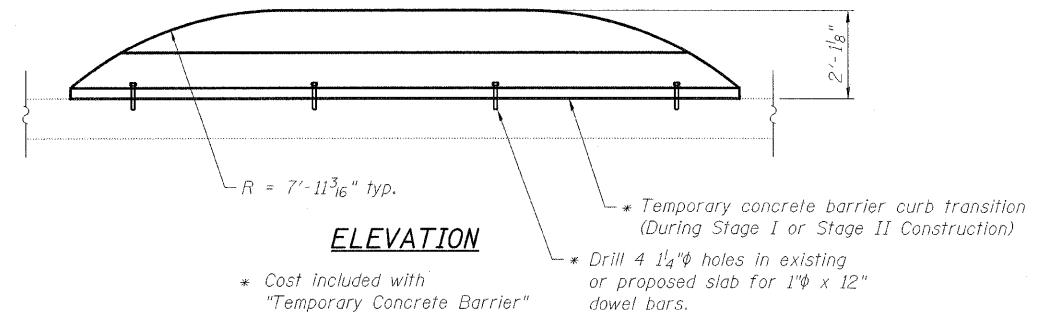
PARTIAL PLAN C



PARTIAL PLAN D

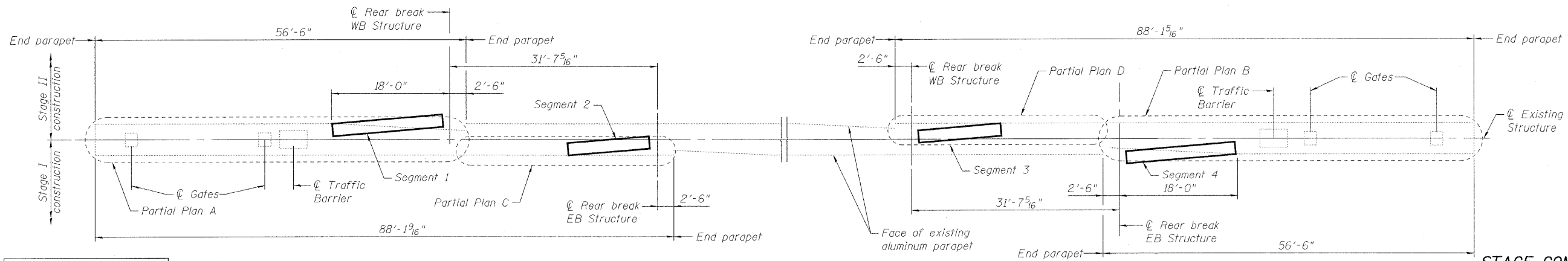


PLAN



ELEVATION

Notes:  
The aluminum median parapet at Segments 1 and 3 will be temporarily removed during Stage I Construction and reinstalled at the completion of Stage I Construction. The cost of the temporary removal and reinstallation is included in the cost of Remove and Reinstall Existing Aluminum Parapet.  
The aluminum median parapet at Segments 2 and 4 will be temporarily removed during Stage II Construction and reinstalled at the completion of Stage II Construction. The cost of the temporary removal and reinstallation is included in the cost of Remove and Reinstall Existing Aluminum Parapet.



KEY PLAN

STAGE CONSTRUCTION DETAILS  
STRUCTURE NO. 016-2445

DESIGNED	A. HAMMAD
CHECKED	J. GRAINAWI
DRAWN	D. C. PATEL
CHECKED	A. HAMMAD

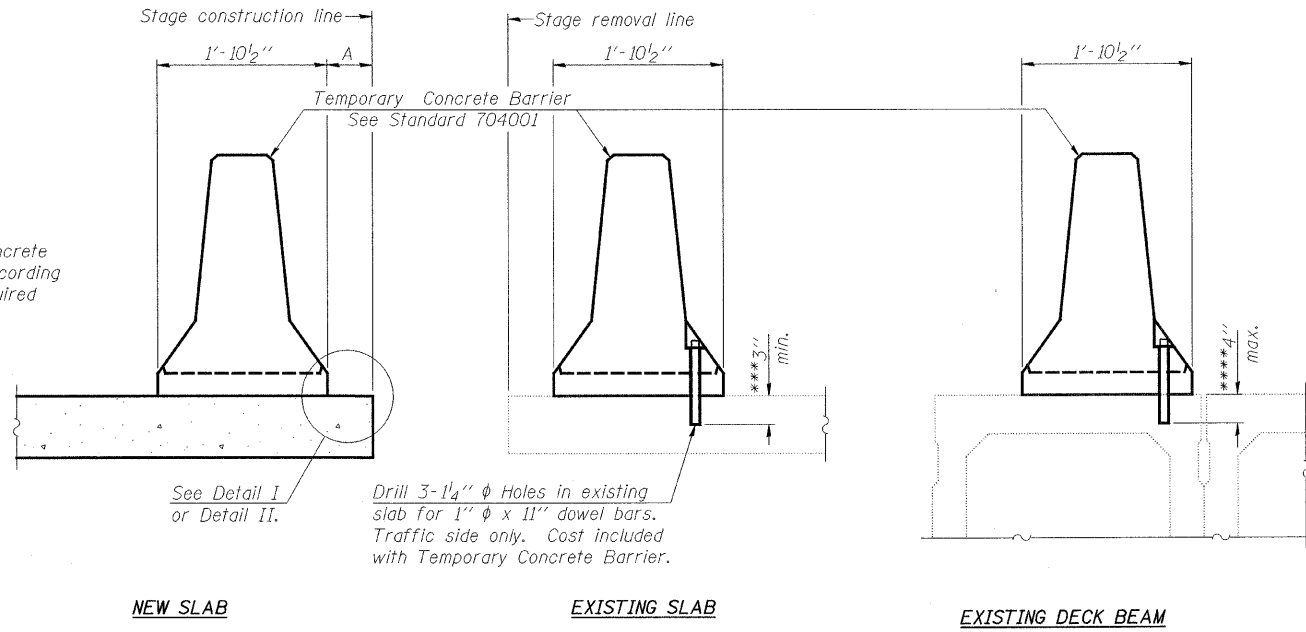
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CHICAGO, IL. 60606

SHEET NO. 8a 163 SHEETS	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	389	2424.2B-R	COOK	398	89a
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 60D61		
FED. AID PROJECT					

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07-MAY-2009

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".



SECTIONS THRU SLAB OR DECK BEAM

**NOTES**

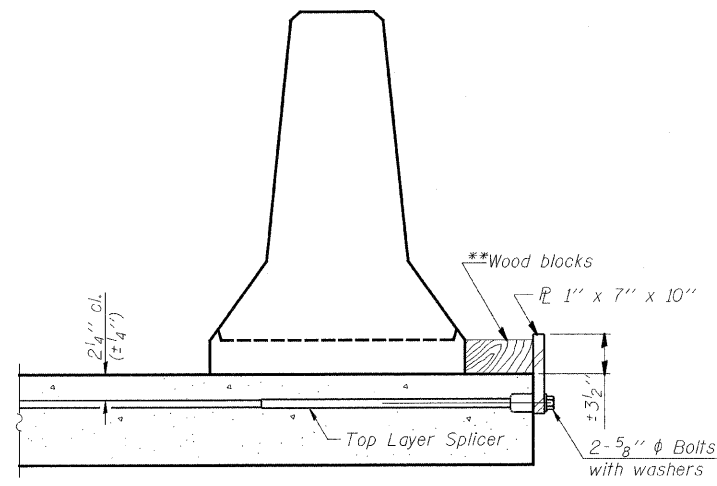
Detail I - With Bar Splicer or Couplers:  
Connect one (1) 1"x7"x10" steel  $\bar{P}$  to the top layer of couplers with 2-5/8"  $\phi$  bolts screwed to coupler at approximate  $\bar{C}$  of each barrier panel.

Detail II - With Extended Reinforcement Bars:  
Connect one (1) 1"x7"x10" steel  $\bar{P}$  to the concrete slab or concrete wearing surface with 2-5/8"  $\phi$  Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate  $\bar{C}$  of each barrier panel.

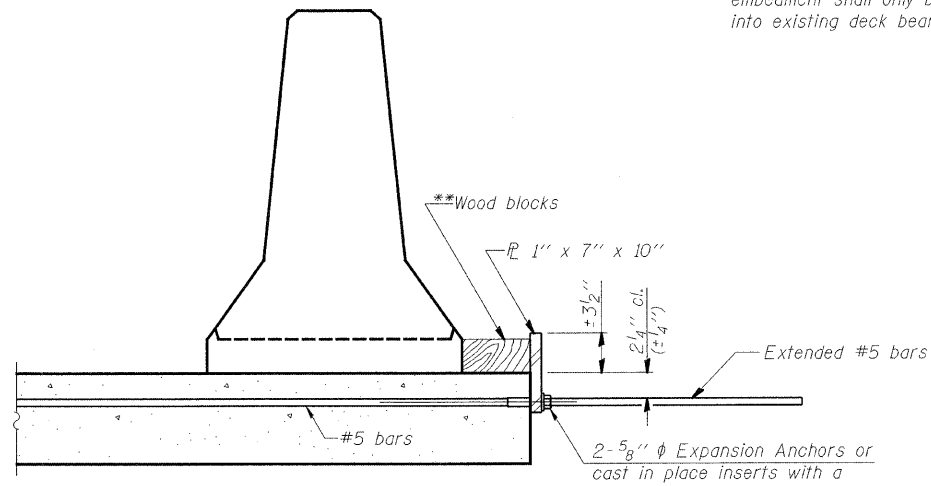
Cost of anchorage is included with Temporary Concrete Barrier. The 1" x 7" x 10" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

\*\*\* Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.

\*\*\*\* If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.

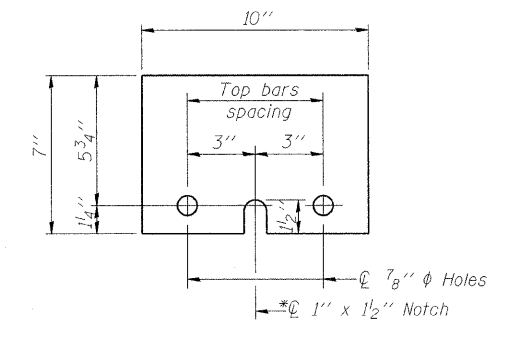


DETAIL I



DETAIL II

\*\*Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.



STEEL RETAINER  $\bar{P}$  1" x 7" x 10"

\* Required only with Detail II

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07-MAY-2009

**PB Americas, Inc.**  
230 WEST MONROE STREET,  
SUITE 900  
CHICAGO, IL. 60606

SHEET NO. 9 163 SHEETS	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	389	2424.2B-R	COOK	398	90
CONTRACT NO. 60D61					
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					

**TEMPORARY CONCRETE BARRIER  
FOR STAGE CONSTRUCTION  
STRUCTURE NO. 016-2445**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**STRINGER SW1**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
∅ FB 21-21	379+35.57	1.44	32.16	32.16
C	379+45.57	1.42	32.25	32.25
D	379+55.57	1.41	32.34	32.34
∅ Trunnion	379+65.27	1.40	32.41	32.41
E. Edge of slab	379+71.96	1.39	32.49	32.49

**STRINGER SW2**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	379+10.95	2.87	32.05	32.05
∅ Existing G5	379+11.43	2.87	32.05	32.05
A	379+20.20	2.85	32.06	32.06
B	379+30.20	2.84	32.08	32.08
∅ FB 21-21	379+35.57	2.83	32.13	32.13

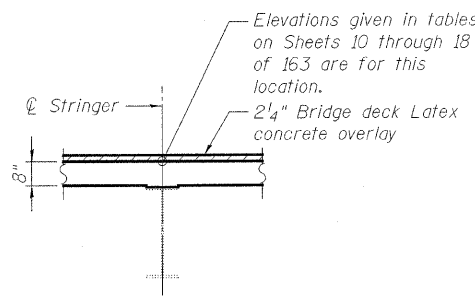
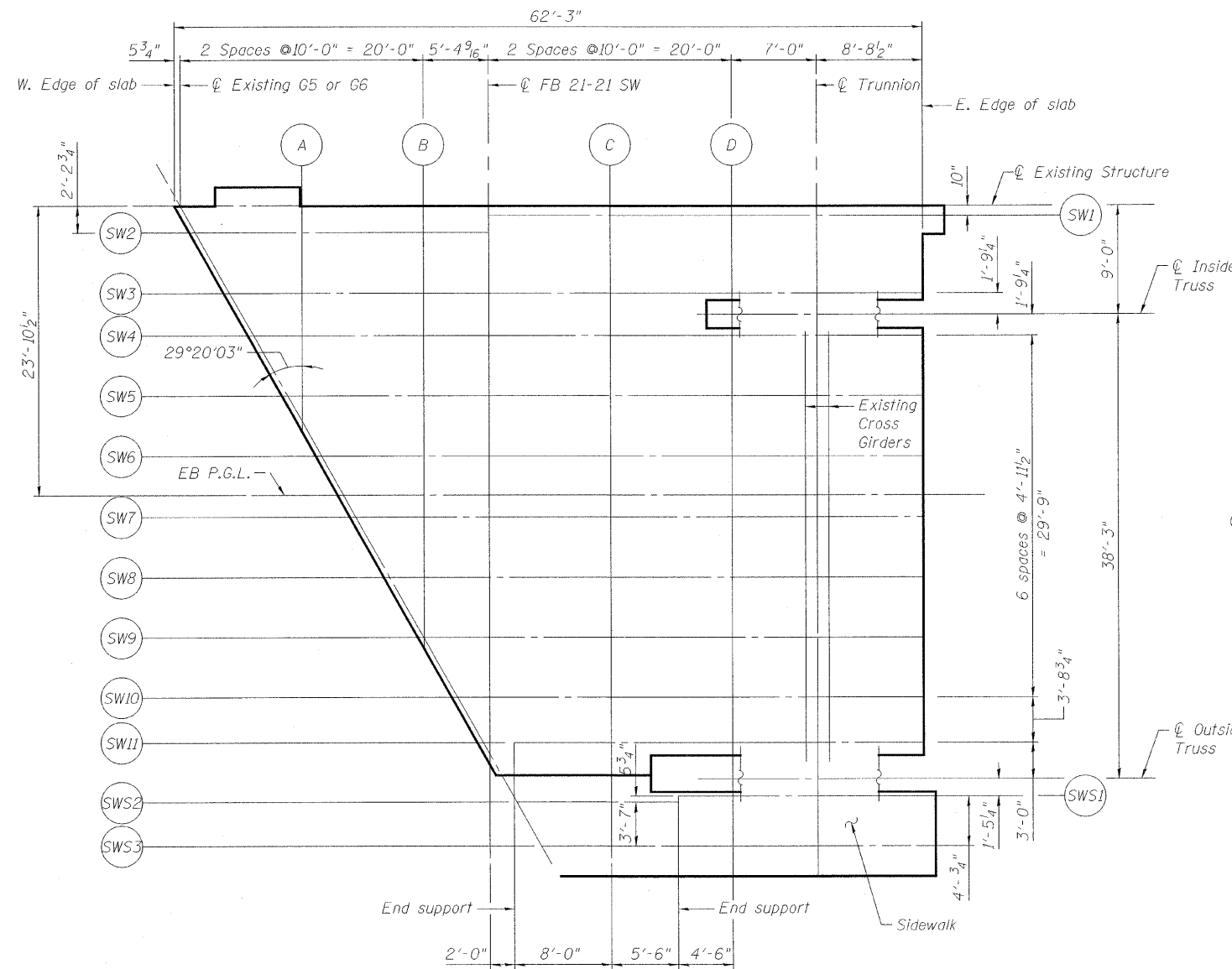
**STRINGER SW3**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	379+13.76	7.86	31.98	31.98
∅ Existing G5	379+14.24	7.86	31.98	31.98
A	379+20.20	7.85	32.01	32.01
B	379+30.20	7.84	32.09	32.09
∅ FB 21-21	379+35.58	7.83	32.14	32.14
C	379+45.58	7.82	32.23	32.23
D	379+55.58	7.81	32.32	32.32
∅ Trunnion	379+62.58	7.80	32.38	32.38
E. Edge of slab	379+71.30	7.78	32.45	32.45

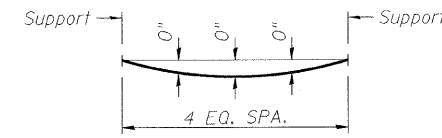
**STRINGER SW4**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	379+15.76	11.40	32.01	32.01
∅ Existing G5	379+16.24	11.40	32.01	32.01
A	379+20.21	11.40	32.03	32.03
B	379+30.21	11.38	32.09	32.09
∅ FB 21-21	379+35.59	11.38	32.14	32.14
C	379+45.59	11.36	32.23	32.23
D	379+55.59	11.35	32.32	32.32
∅ Trunnion	379+62.59	11.34	32.38	32.38
E. Edge of slab	379+71.31	11.33	32.46	32.46

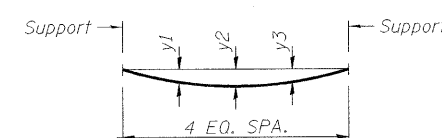
**TOP OF SLAB ELEVATIONS  
SOUTHWEST FIXED SPANS  
STRUCTURE NO. 016-2445**



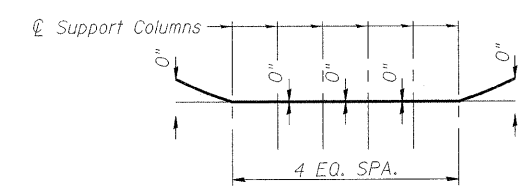
**GRADE ELEVATION POINT**  
(Typical for eastbound and westbound fixed spans)



**FLOORBEAM 21-21 SW**



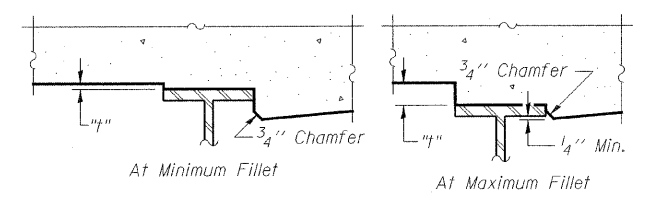
**GIRDERS G5 & G6**



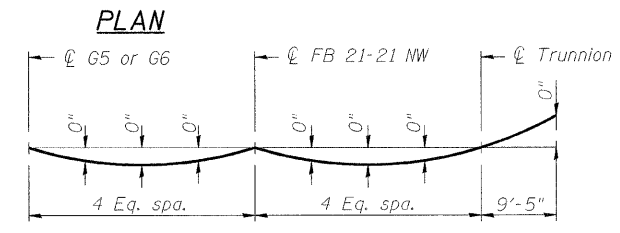
**CROSS GIRDERS  
DEAD LOAD DEFLECTION DIAGRAMS**  
(Includes weight of concrete only.)

Location	G5	G6
y1	0"	0"
y2	0"	1/8"
y3	0"	0"

**DEAD LOAD DEFLECTIONS**



**FILLET HEIGHTS**



**TYP. STRINGERS  
DEAD LOAD DEFLECTION DIAGRAM**  
(Includes weight of concrete only.)

Note:  
The above deflections are not to be used in the field if the engineer is working from the Theoretical grade elevations adjusted for dead load deflections as shown on the right and on sheet 11 of 163.

To determine "f": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown in the tables, minus slab thickness, equals the fillet heights "f" above top flange of beams.

DESIGNED	A. HAMMAD
CHECKED	J. GRAINAWI
DRAWN	D. C. PATEL
CHECKED	A. HAMMAD

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**PB Americas, Inc.**  
230 WEST MONROE STREET,  
SUITE 900  
CHICAGO, IL. 60606

SHEET NO.	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10	389	2424.2B-R	COOK	398	91
163 SHEETS			CONTRACT NO. 60D61		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**STRINGER SW5**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	379+18.55	16.36	32.03	32.03
⊕ Existing G6	379+19.03	16.36	32.04	32.04
A	379+20.22	16.35	32.04	32.04
B	379+30.22	16.34	32.09	32.09
⊕ FB 21-21	379+35.59	16.33	32.13	32.13
C	379+45.59	16.32	32.21	32.21
D	379+55.59	16.31	32.30	32.30
⊕ Trunnion	379+62.59	16.30	32.36	32.36
E. Edge of slab	379+71.32	16.28	32.44	32.44

**STRINGER SW7**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	379+24.14	26.27	32.07	32.07
⊕ Existing G6	379+24.62	26.27	32.08	32.08
B	379+30.23	26.26	32.10	32.10
⊕ FB 21-21	379+35.62	26.25	32.15	32.15
C	379+45.61	26.24	32.22	32.22
D	379+55.61	26.22	32.29	32.29
⊕ Trunnion	379+62.61	26.21	32.35	32.35
E. Edge of slab	379+71.33	26.20	32.41	32.41

**STRINGER SW11**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
End support	379+37.63	44.85	32.17	32.17
C	379+45.63	44.84	32.22	32.22
D	379+55.63	44.83	32.29	32.29
⊕ Trunnion	379+62.63	44.85	32.34	32.34
E. Edge of slab	379+71.36	44.80	32.41	32.41

**STRINGER SW6**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	379+21.35	21.31	32.06	32.06
⊕ Existing G6	379+21.82	21.31	32.06	32.06
B	379+30.22	21.30	32.10	32.10
⊕ FB 21-21	379+35.60	21.29	32.14	32.14
C	379+45.60	21.28	32.22	32.22
D	379+55.60	21.26	32.29	32.29
⊕ Trunnion	379+62.60	21.25	32.34	32.34
E. Edge of slab	379+71.32	21.24	32.42	32.42

**STRINGER SW8**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	379+26.93	31.22	32.08	32.08
⊕ Existing G6	379+27.41	31.22	32.08	32.08
B	379+30.24	31.22	32.09	32.09
⊕ FB 21-21	379+35.61	31.21	32.13	32.13
C	379+45.61	31.19	32.21	32.21
D	379+55.61	31.18	32.29	32.29
⊕ Trunnion	379+62.61	31.17	32.34	32.34
E. Edge of slab	379+71.34	31.16	32.40	32.40

**STRINGER SWS1**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
End support	379+51.14	49.27	32.73	32.73
D	379+55.64	49.26	32.78	32.78
⊕ Trunnion	379+62.64	49.25	32.85	32.85
E. Edge of slab	379+72.32	49.24	32.95	32.95

**EB P.G.L.**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	379+23.14	24.49	32.07	32.07
⊕ Existing G6	379+23.62	24.49	32.08	32.08
B	379+30.23	24.48	32.11	32.11
⊕ FB 21-21	379+35.60	24.48	32.15	32.15
C	379+45.60	24.46	32.22	32.22
D	379+55.60	24.45	32.30	32.30
⊕ Trunnion	379+62.60	24.44	32.35	32.35
E. Edge of slab	379+71.33	24.43	32.41	32.41

**STRINGER SW9**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	379+29.73	36.18	32.09	32.09
⊕ Existing G6	379+30.20	36.17	32.10	32.10
⊕ FB 21-21	379+35.62	36.17	32.12	32.12
C	379+45.62	36.15	32.20	32.20
D	379+55.62	36.14	32.28	32.28
⊕ Trunnion	379+62.62	36.13	32.33	32.33
E. Edge of slab	379+71.34	36.12	32.40	32.40

**STRINGER SWS2**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
End support	379+37.87	49.77	32.55	32.55
C	379+45.64	49.76	32.67	32.67
End support	379+51.14	49.75	32.68	32.68

**STRINGER SWS3**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
⊕ Existing G6	379+39.89	53.35	32.09	32.09
C	379+45.64	53.34	32.19	32.19
D	379+55.64	53.33	32.34	32.34
⊕ Trunnion	379+62.64	53.32	32.43	32.43
E. Edge of slab	379+72.33	53.30	32.53	32.53

**STRINGER SW10**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	379+32.52	41.13	32.09	32.09
⊕ Existing G6	379+33.00	41.13	32.09	32.09
⊕ FB 21-21	379+35.63	41.13	32.12	32.12
C	379+45.63	41.11	32.20	32.20
D	379+55.63	41.10	32.28	32.28
⊕ Trunnion	379+62.63	41.09	32.34	32.34
E. Edge of slab	379+71.35	41.08	32.40	32.40

**TOP OF SLAB ELEVATIONS  
SOUTHWEST FIXED SPANS  
STRUCTURE NO. 016-2445**

DESIGNED	A. HAMMAD
CHECKED	J. GRAINAWI
DRAWN	D. C. PATEL
CHECKED	A. HAMMAD

**PB Americas, Inc.**  
230 WEST MONROE STREET,  
SUITE 900  
CHICAGO, IL. 60606

SHEET NO. 11	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	389	2424.2B-R	COOK	398	92
163 SHEETS	CONTRACT NO. 60D61			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STRINGER SE2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	381+98.58	7.47	32.12	32.12
@ Trunnion	382+07.28	7.46	32.03	32.03
A	382+17.28	7.44	31.92	31.92
B	382+27.28	7.43	31.81	31.81
C	382+37.28	7.41	31.69	31.69
@ FB 21-21	382+43.29	7.40	31.62	31.62
@ Existing G2	382+47.18	7.39	31.58	31.58
E. Edge of slab	382+47.85	7.38	31.57	31.57

STRINGER SE3

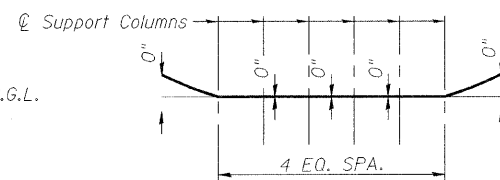
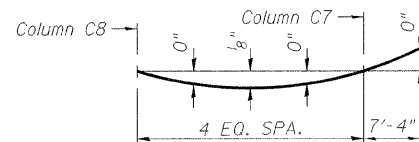
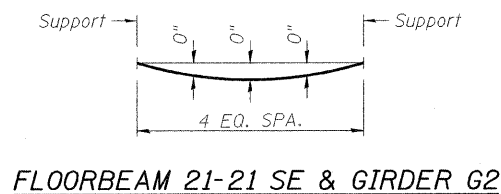
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	381+98.58	11.01	32.13	32.13
@ Trunnion	382+07.29	11.00	32.04	32.04
A	382+17.29	10.98	31.93	31.93
B	382+27.29	10.97	31.83	31.83
End Support	382+34.29	10.96	31.76	31.76

STRINGER SE4

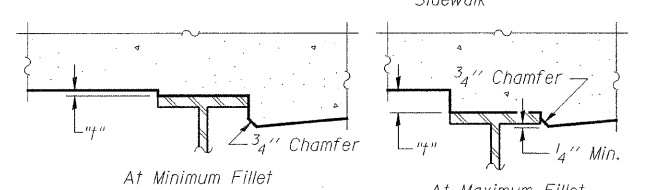
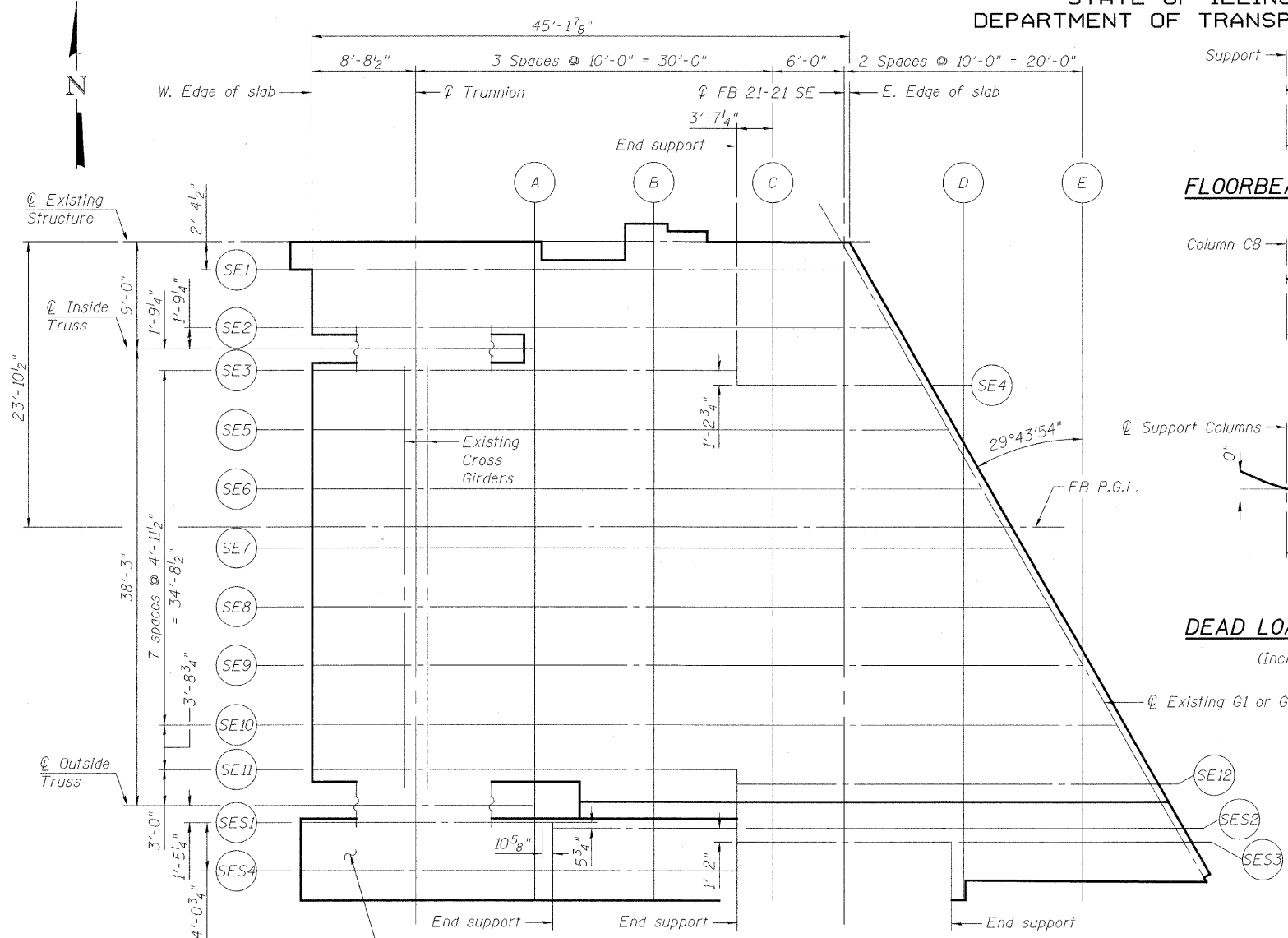
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
End support	382+34.29	12.19	31.76	31.76
C	382+37.29	12.19	31.73	31.73
@ FB 21-21	382+43.31	12.17	31.66	31.66
@ Existing G2	382+49.93	12.15	31.57	31.57
E. Edge of slab	382+50.61	12.14	31.56	31.56

STRINGER SE5

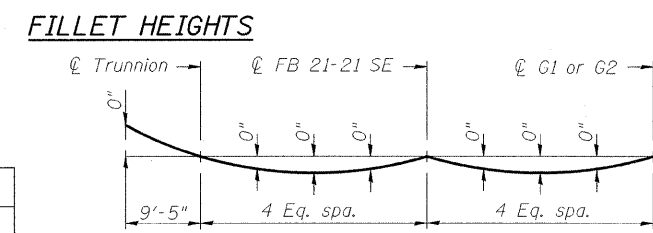
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	381+98.59	15.97	32.13	32.13
@ Trunnion	382+07.29	15.96	32.04	32.04
A	382+17.29	15.94	31.94	31.94
B	382+27.29	15.93	31.84	31.84
C	382+37.30	15.91	31.73	31.73
@ FB 21-21	382+43.32	15.90	31.67	31.67
@ Existing G2	382+52.09	15.86	31.57	31.57
E. Edge of slab	382+52.77	15.86	31.56	31.56



DEAD LOAD DEFLECTION DIAGRAMS  
(Includes weight of concrete only.)



To determine "f": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown in the tables, minus slab thickness, equals the fillet heights "f" above top flange of beams.



Note:  
The above deflections are not to be used in the field if the engineer is working from the theoretical grade elevations adjusted for dead load deflections as shown on the right and on sheet 13 of 163.

STRINGER SE1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	381+97.88	2.61	32.10	32.10
@ Trunnion	382+07.27	2.60	32.00	32.00
A	382+17.27	2.59	31.88	31.88
B	382+27.27	2.57	31.77	31.77
C	382+37.27	2.56	31.65	31.65
@ FB 21-21	382+43.28	2.55	31.58	31.58
@ Existing G2	382+44.39	2.54	31.57	31.57
E. Edge of slab	382+45.06	2.54	31.56	31.56

DESIGNED	A. HAMMAD
CHECKED	P. LOPEZ
DRAWN	D. C. PATEL
CHECKED	J. GRAINAWI

**PB Americas, Inc.**  
230 WEST MONROE STREET,  
SUITE 900  
CHICAGO, IL. 60606

SHEET NO. 12	F.A.P RTE. 389	SECTION 2424.2B-R	COUNTY COOK	TOTAL SHEETS 398	SHEET NO. 93
163 SHEETS			CONTRACT NO. 60D61		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					

TOP OF SLAB ELEVATIONS  
SOUTHEAST FIXED SPANS  
STRUCTURE NO. 016-2445

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**STRINGER SE6**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	381+98.60	20.93	32.12	32.12
@ Trunnion	382+07.30	20.91	32.03	32.03
A	382+17.30	20.90	31.94	31.94
B	382+27.30	20.89	31.84	31.84
C	382+37.30	20.87	31.74	31.74
@ FB 21-21	382+43.34	20.86	31.68	31.68
D	382+53.39	20.81	31.56	31.56
@ Existing G2	382+54.97	20.81	31.54	31.54
E. Edge of slab	382+55.64	20.80	31.53	31.53

**EB P.G.L.**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	381+98.60	24.11	32.11	32.11
@ Trunnion	382+07.30	24.10	32.03	32.03
A	382+17.30	24.09	31.93	31.93
B	382+27.30	24.07	31.84	31.84
C	382+37.31	24.06	31.75	31.75
@ FB 21-21	382+43.35	24.05	31.68	31.68
D	382+53.41	24.00	31.57	31.57
@ Existing G2	382+56.82	23.98	31.53	31.53
E. Edge of slab	282+57.49	23.98	31.52	31.52

**STRINGER SE7**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	381+98.60	25.88	32.11	32.11
@ Trunnion	382+07.31	25.87	32.02	32.02
A	382+17.31	25.86	31.93	31.93
B	382+27.31	25.84	31.84	31.84
C	382+37.31	25.83	31.74	31.74
@ FB 21-21	382+43.35	25.82	31.69	31.69
D	382+53.42	25.77	31.56	31.56
@ Existing G2	382+57.85	25.74	31.51	31.51
E. Edge of slab	382+58.52	25.74	31.50	31.50

**STRINGER SE8**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	381+98.61	30.84	32.13	32.13
@ Trunnion	382+07.31	30.83	32.03	32.03
A	382+17.31	30.82	31.92	31.92
B	382+27.31	30.80	31.81	31.81
C	382+37.32	30.79	31.72	31.72
@ FB 21-21	382+43.37	30.78	31.66	31.66
D	382+53.45	30.73	31.53	31.53
@ Existing G2	382+60.74	30.68	31.44	31.44
E. Edge of slab	382+61.41	30.68	31.43	31.43

**STRINGER SE9**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	381+98.62	35.80	32.14	32.14
@ Trunnion	382+07.32	35.79	32.04	32.04
A	382+17.32	35.78	31.93	31.93
B	382+27.32	35.76	31.82	31.82
C	382+37.33	35.75	31.71	31.71
@ FB 21-21	382+43.38	35.73	31.64	31.64
D	382+53.48	35.69	31.51	31.51
@ Existing G2	382+63.63	35.62	31.38	31.38
E. Edge of slab	382+64.31	35.61	31.37	31.37

**STRINGER SE10**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	381+98.62	40.76	32.15	32.15
@ Trunnion	382+07.33	40.75	32.04	32.04
A	382+17.33	40.73	31.92	31.92
B	382+27.33	40.72	31.79	31.79
C	382+37.33	40.71	31.66	31.66
@ FB 21-21	382+43.40	40.69	31.59	31.59
D	382+53.51	40.65	31.46	31.46
E	382+63.61	40.58	31.33	31.33
@ Existing G2	382+66.54	40.55	31.29	31.29
E. Edge of slab	382+67.22	40.54	31.28	31.28

**STRINGER SE11**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	381+98.63	44.49	32.15	32.15
@ Trunnion	382+07.33	44.48	32.02	32.02
A	382+17.33	44.46	31.89	31.89
B	382+27.33	44.45	31.76	31.76
End support	382+34.33	44.44	31.67	31.67

**STRINGER SE12**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
End support	382+34.33	45.67	31.84	31.84
C	382+37.34	45.66	31.85	31.85
@ FB 21-21	382+43.41	45.65	31.96	31.96
D	382+53.53	45.61	31.96	31.96
E	382+63.65	45.53	31.73	31.73
@ Existing G1	382+69.45	45.48	31.60	31.60
E. Edge of slab	382+70.13	45.48	31.58	31.58

**STRINGER SES1**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	381+97.68	48.93	32.84	32.84
@ Trunnion	382+07.34	48.91	32.74	32.74
A	382+17.34	48.90	32.69	32.69
End support	382+18.84	48.90	32.69	32.69

**STRINGER SES2**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
End support	382+18.84	49.38	32.69	32.69
B	382+27.34	49.37	32.61	32.61
End support	382+34.34	49.36	32.52	32.52

**STRINGER SES3**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
End support	382+34.34	50.52	32.54	32.54
C	382+38.35	50.52	32.50	32.50
@ Trunnion	382+43.43	50.50	32.43	32.43
End support	382+52.55	50.47	32.31	32.31

**STRINGER SES4**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	381+97.69	52.99	32.77	32.77
@ Trunnion	382+07.34	52.98	32.72	32.72
A	382+17.34	52.96	32.70	32.70
B	382+27.34	52.95	32.67	32.67
End support	382+34.34	52.94	32.58	32.58

**TOP OF SLAB ELEVATIONS  
SOUTHEAST FIXED SPANS  
STRUCTURE NO. 016-2445**

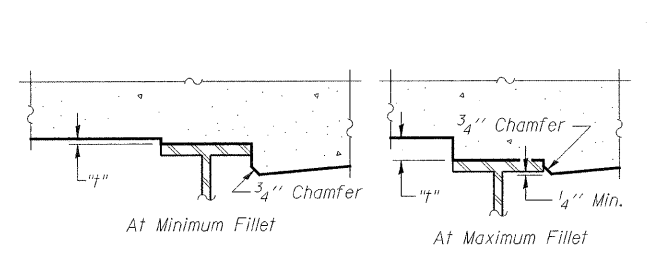
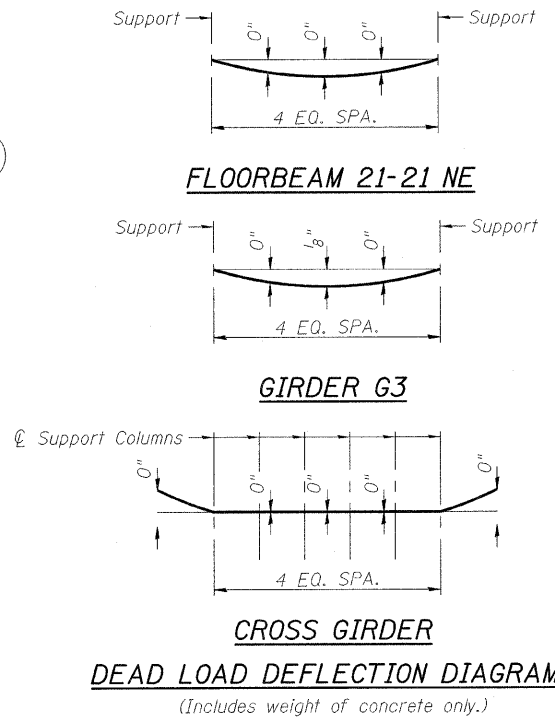
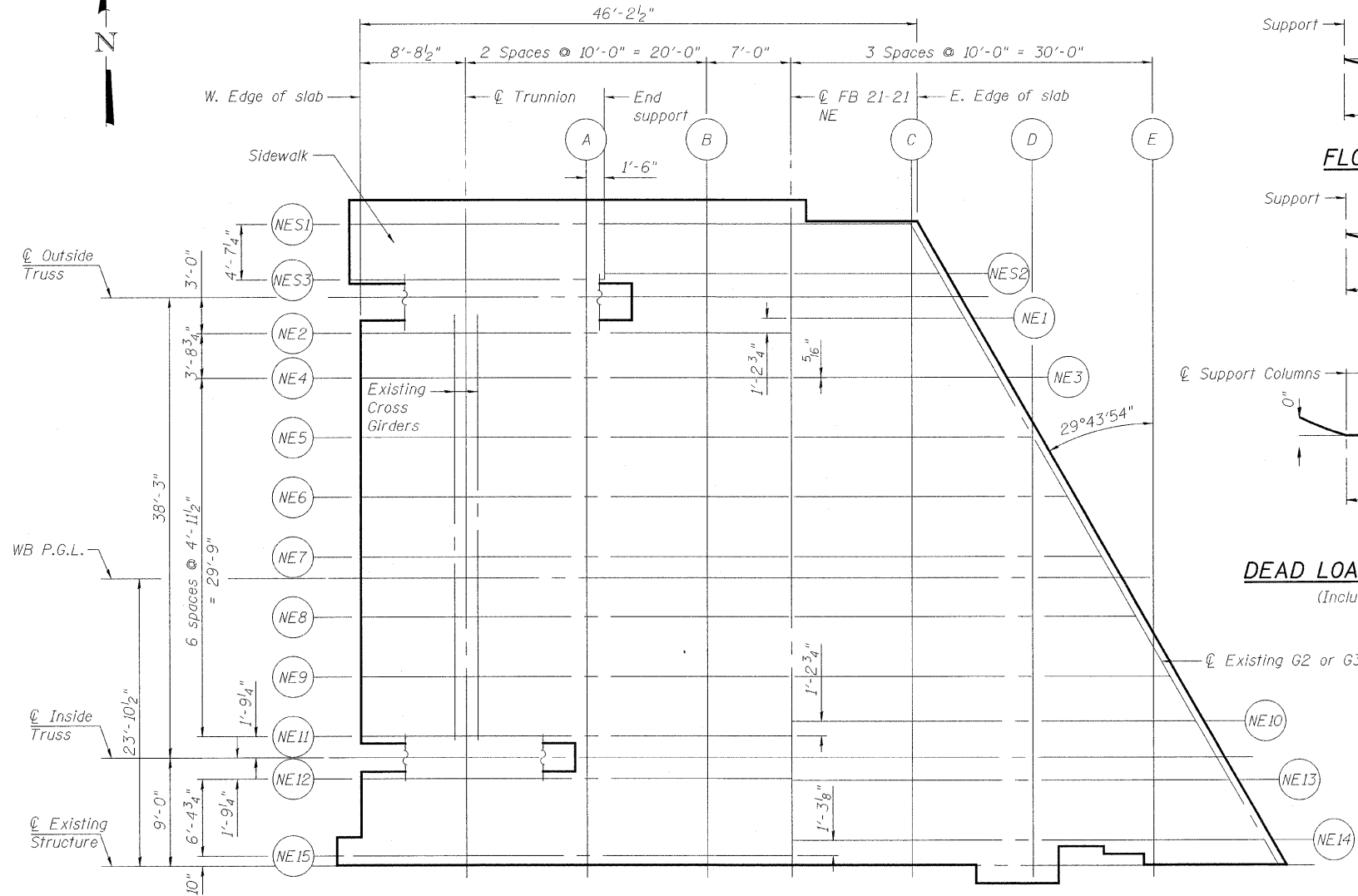
DESIGNED	A. HAMMAD
CHECKED	J. GRAINAWI
DRAWN	D. C. PATEL
CHECKED	A. HAMMAD

SHEET NO. 13	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	389	2424.2B-R	COOK	398	94
163 SHEETS	CONTRACT NO. 60D61			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT	

**PB Americas, Inc.**  
230 WEST MONROE STREET,  
SUITE 900  
CHICAGO, IL. 60606

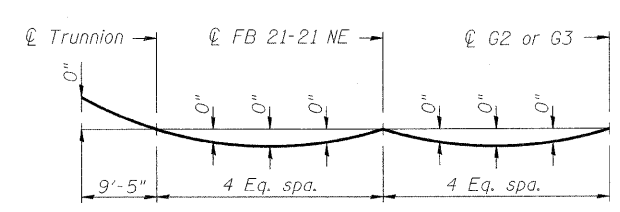


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



**FILLET HEIGHTS**

To determine "f": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown in the tables, minus slab thickness, equals the fillet heights "f" above top flange of beams.



Note:  
The above deflections are not to be used in the field if the engineer is working from the theoretical grade elevations adjusted for dead load deflections as shown on the right and on sheets 15 and 16 of 163.

**STRINGER NES1**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	381+65.93	-53.01	33.06	33.06
@ Trunnion	381+75.59	-53.02	32.98	32.98
A	381+85.59	-53.03	32.88	32.88
B	381+95.59	-53.05	32.77	32.77
@ FB 21-21	382+02.59	-53.06	32.69	32.69
@ Existing G3	382+12.51	-53.07	32.55	32.55
E. Edge of slab	382+13.18	-53.07	32.54	32.54

**STRINGER NES2**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
End support B	381+87.09	-48.91	32.91	32.91
@ FB 21-21	381+95.59	-48.92	32.80	32.80
C	382+02.59	-48.93	32.70	32.70
C	382+12.59	-48.95	32.55	32.55
@ Existing G6	382+14.87	-48.95	32.52	32.52
E. Edge of slab	382+15.54	-48.95	32.51	32.51

**STRINGER NES3**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	381+65.94	-48.40	33.17	33.17
@ Trunnion	381+75.59	-48.42	33.04	33.04
A	381+85.59	-48.43	32.93	32.93
B	381+87.09	-48.43	32.92	32.92

**STRINGER NE1**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
@ FB 21-21	382+02.60	-45.25	32.01	32.01
C	382+12.60	-45.26	31.95	31.95
@ Existing G3	382+16.98	-45.27	31.93	31.93
E. Edge of slab	382+17.66	-45.27	31.92	31.92

**TOP OF SLAB ELEVATIONS  
NORTHEAST FIXED SPANS  
STRUCTURE NO. 016-2445**

DESIGNED	A. HAMMAD
CHECKED	J. GRAINAWI
DRAWN	D. C. PATEL
CHECKED	A. HAMMAD

**PB Americas, Inc.**  
230 WEST MONROE STREET,  
SUITE 900  
CHICAGO, IL. 60606

SHEET NO. 14	F.A.P RTE. 389	SECTION 2424.2B-R	COUNTY COOK	TOTAL SHEETS 398	SHEET NO. 95
163 SHEETS	FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT CONTRACT NO. 60D61		

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07-MAY-2009

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**STRINGER NE2**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	381+66.88	-43.97	32.37	32.37
@ Trunnion	381+75.60	-43.98	32.27	32.27
A	381+85.60	-43.99	32.17	32.17
B	381+95.60	-44.01	32.08	32.08
@ FB 21-21	382+02.60	-44.02	32.01	32.01

**STRINGER NE3**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
@ FB 21-21	382+02.60	-40.31	32.00	32.00
C	382+12.60	-40.33	31.90	31.90
@ Existing G3	382+19.81	-40.34	31.82	31.82
E. Edge of slab	382+20.48	-40.34	31.82	31.82

**STRINGER NE4**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	381+66.88	-40.24	32.37	32.37
@ Trunnion	381+75.60	-40.25	32.28	32.28
A	381+85.60	-40.26	32.17	32.17
B	381+95.60	-40.28	32.07	32.07
@ FB 21-21	382+02.60	-40.29	32.00	32.00

**STRINGER NE5**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	381+66.89	-35.28	32.37	32.37
@ Trunnion	381+75.61	-35.29	32.28	32.28
A	381+85.61	-35.31	32.18	32.18
B	381+95.61	-35.32	32.07	32.07
@ FB 21-21	382+02.61	-35.33	32.00	32.00
C	382+12.61	-35.34	31.89	31.89
@ Existing G3	382+22.66	-35.36	31.79	31.79
E. Edge of slab	382+23.33	-35.36	31.78	31.78

**STRINGER NE6**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	381+66.90	-30.32	32.39	32.39
@ Trunnion	381+75.62	-30.33	32.28	32.28
A	381+85.62	-30.35	32.18	32.18
B	381+95.62	-30.36	32.07	32.07
@ FB 21-21	382+02.62	-30.37	32.00	32.00
C	382+12.62	-30.38	31.91	31.91
D	382+22.62	-30.40	31.82	31.82
@ Existing G3	382+25.50	-30.40	31.79	31.79
E. Edge of slab	382+26.17	-30.40	31.78	31.78

**STRINGER NE7**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	381+66.90	-25.36	32.40	32.40
@ Trunnion	381+75.63	-25.38	32.30	32.30
A	381+85.63	-25.39	32.19	32.19
B	381+95.63	-25.40	32.07	32.07
@ FB 21-21	382+02.63	-25.41	32.01	32.01
C	382+12.63	-25.43	31.92	31.92
D	382+22.63	-25.44	31.83	31.83
@ Existing G3	382+28.34	-25.45	31.77	31.77
E. Edge of slab	382+29.01	-25.45	31.77	31.77

**WB P.G.L.**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	381+66.90	-23.59	32.41	32.41
@ Trunnion	381+75.63	-23.60	32.31	32.31
A	381+85.63	-23.62	32.19	32.19
B	381+95.63	-23.63	32.08	32.08
@ FB 21-21	382+02.63	-23.64	32.01	32.01
C	382+12.63	-23.66	31.92	31.92
D	382+22.63	-23.67	31.83	31.83
@ Existing G3	382+29.35	-23.68	31.77	31.77
E. Edge of slab	382+30.02	-23.68	31.76	31.76

**STRINGER NE8**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	381+66.91	-20.40	32.42	32.42
@ Trunnion	381+75.63	-20.42	32.32	32.32
A	381+85.63	-20.43	32.20	32.20
B	381+95.63	-20.44	32.09	32.09
@ FB 21-21	382+02.63	-20.45	32.02	32.02
C	382+12.63	-20.47	31.91	31.91
D	382+22.63	-20.48	31.82	31.82
@ Existing G3	382+31.18	-20.49	31.75	31.75
E. Edge of slab	382+31.85	-20.49	31.74	31.74

**STRINGER NE9**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	381+66.92	-15.45	32.42	32.42
@ Trunnion	381+75.64	-15.46	32.32	32.32
A	381+85.64	-15.47	32.22	32.22
B	381+95.64	-15.49	32.11	32.11
@ FB 21-21	382+02.64	-15.50	32.03	32.03
C	382+12.64	-15.51	31.93	31.93
D	382+22.64	-15.52	31.83	31.83
E	382+32.64	-15.54	31.73	31.73
@ Existing G3	382+34.02	-15.54	31.72	31.72
E. Edge of slab	382+34.69	-15.54	31.71	31.71

**STRINGER NE10**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
@ FB 21-21	382+02.64	-11.77	32.03	32.03
C	382+12.64	-11.78	31.93	31.93
D	382+22.64	-11.79	31.83	31.83
E	382+32.64	-11.81	31.73	31.73
@ Existing G3	382+36.15	-11.81	31.69	31.69
E. Edge of slab	382+36.82	-11.81	31.69	31.69

**STRINGER NE11**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	381+66.92	-10.49	32.40	32.40
@ Trunnion	381+75.65	-10.50	32.31	32.31
A	381+85.65	-10.51	32.20	32.20
B	381+95.65	-10.53	32.11	32.11
@ FB 21-21	382+02.65	-10.54	32.03	32.03

**TOP OF SLAB ELEVATIONS  
NORTHEAST FIXED SPANS  
STRUCTURE NO. 016-2445**

DESIGNED	A. HAMMAD
CHECKED	J. GRAINAWI
DRAWN	D. C. PATEL
CHECKED	A. HAMMAD

**PB Americas, Inc.**  
230 WEST MONROE STREET,  
SUITE 900  
CHICAGO, IL. 60606

SHEET NO. 15	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
163 SHEETS	389	2424.2B-R	COOK	398	96
			CONTRACT NO. 60D61		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**STRINGER NE12**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	381+66.93	-6.95	32.38	32.38
@ Trunnion	381+75.65	-6.96	32.29	32.29
A	381+85.65	-6.97	32.20	32.20
B	381+95.65	-6.99	32.11	32.11
@ FB 21-21	382+02.65	-7.00	32.04	32.04

**STRINGER NE13**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
@ FB 21-21	382+02.65	-6.85	32.04	32.04
C	382+12.65	-6.86	31.92	31.92
D	382+22.65	-6.88	31.80	31.80
E	382+32.65	-6.89	31.69	31.69
@ Existing G3	382+38.96	-6.90	31.63	31.63
E. Edge of slab	382+39.63	-6.90	31.62	31.62

**STRINGER NE14**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
@ FB 21-21	382+02.66	-1.86	32.05	32.05
C	382+12.66	-1.87	31.93	31.93
D	382+22.66	-1.89	31.81	31.81
E	382+32.66	-1.90	31.69	31.69
@ Existing G3	382+41.82	-1.92	31.58	31.58
E. Edge of slab	382+42.49	-1.92	31.58	31.58

**STRINGER NE15**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	381+64.92	-0.55	32.40	32.40
@ Trunnion	381+75.66	-0.56	32.27	32.27
A	381+85.66	-0.58	32.18	32.18
B	381+95.66	-0.59	32.10	32.10
@ FB 21-21	382+02.66	-0.60	32.05	32.05

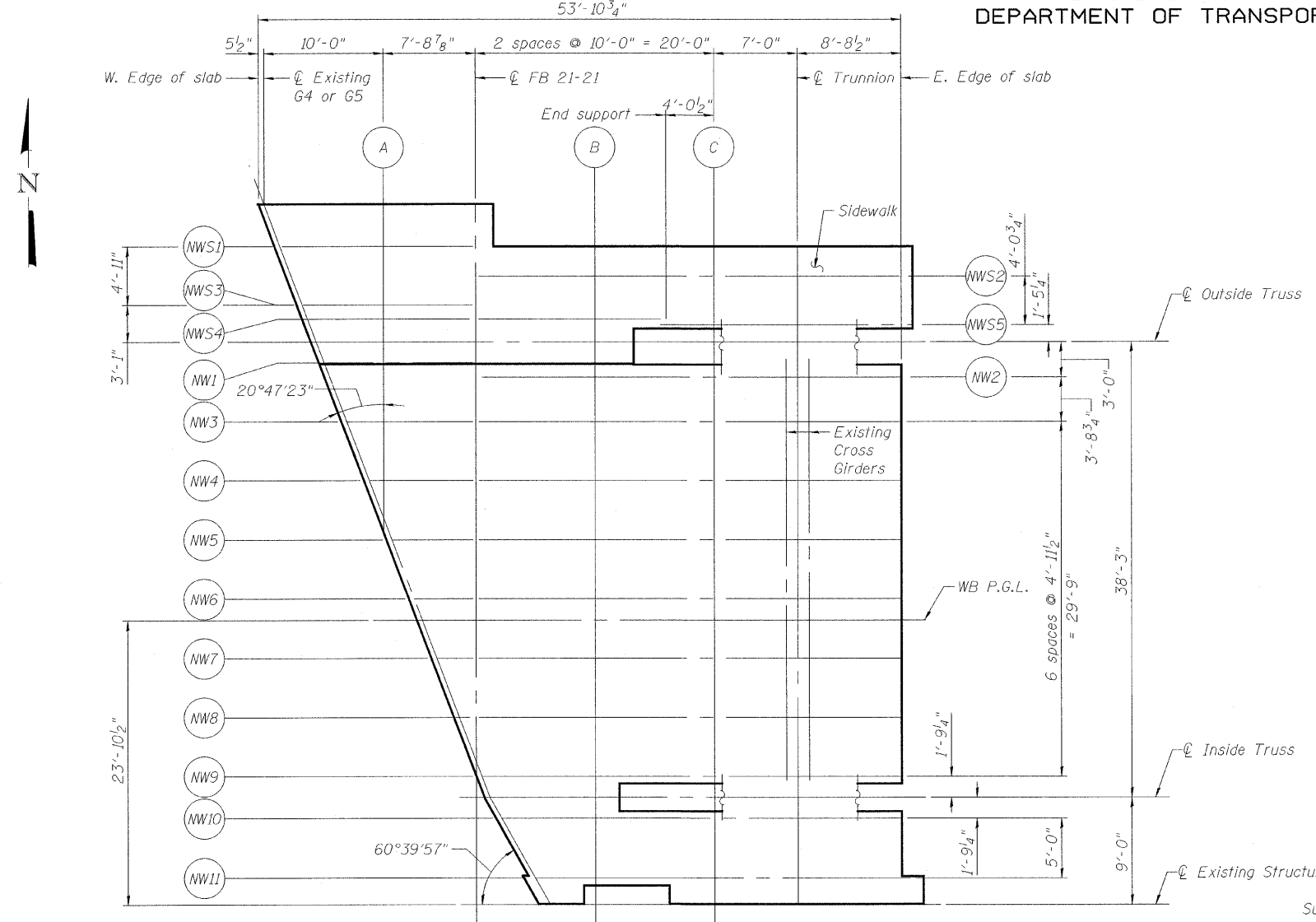
**TOP OF SLAB ELEVATIONS**  
**NORTHEAST FIXED SPANS**  
**STRUCTURE NO. 016-2445**

DESIGNED	A. HAMMAD
CHECKED	J. GRAINAWI
DRAWN	D. C. PATEL
CHECKED	A. HAMMAD

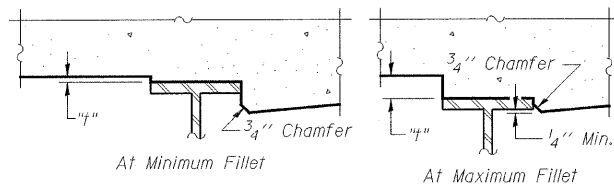
**PB Americas, Inc.**  
230 WEST MONROE STREET,  
SUITE 900  
CHICAGO, IL. 60606

SHEET NO. 16	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	389	2424.2B-R	COOK	398	97
163 SHEETS	FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
			CONTRACT NO. 60D61		

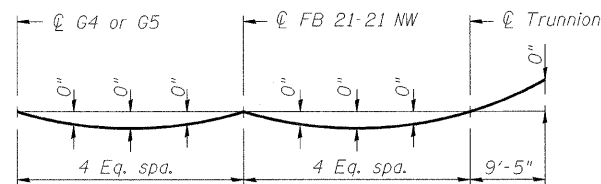
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



PLAN



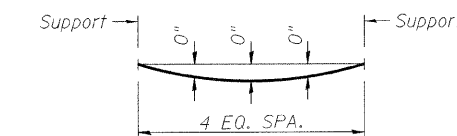
FILLET HEIGHTS



TYP. STRINGERS  
DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

Note:  
The above deflections are not to be used in the field if the engineer is working from the theoretical grade elevations adjusted for dead load deflections as shown on the right and on sheet 18 of 163.



FLOORBEAM 21-21 NW & GIRDER G4

CROSS GIRDER

DEAD LOAD DEFLECTION DIAGRAMS

(Includes weight of concrete only.)

STRINGER NWS1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	378+87.03	-54.58	32.71	32.71
Existing G4	378+87.48	-54.58	32.71	32.71
FB 21-21 A	378+96.15	-54.59	32.67	32.67
FB 21-21	379+03.88	-54.60	32.66	32.66

STRINGER NWS2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
FB 21-21	379+03.89	-52.10	32.65	32.65
B	379+13.89	-52.12	32.66	32.66
Trunnion C	379+23.89	-52.13	32.69	32.69
Trunnion	379+30.89	-52.14	32.70	32.70
E. Edge of slab	379+39.41	-52.15	32.81	32.81

STRINGER NWS3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	378+88.90	-49.66	32.67	32.67
Existing G4	378+89.42	-49.66	32.67	32.67
FB 21-21 A	378+96.15	-49.67	32.65	32.65
FB 21-21	379+03.89	-49.68	32.65	32.65

STRINGER NWS4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
FB 21-21	379+03.89	-48.52	32.65	32.65
B	379+13.89	-48.53	32.65	32.65
End support	379+19.39	-48.54	32.66	32.66

STRINGER NWS5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
End Support C	379+19.39	-48.06	32.66	32.66
Trunnion	379+23.89	-48.07	32.67	32.67
Trunnion	379+30.89	-48.08	32.76	32.76
E. Edge of Slab	379+40.56	-48.09	32.89	32.89

TOP OF SLAB ELEVATIONS  
NORTHWEST FIXED SPANS  
STRUCTURE NO. 016-2445

DESIGNED	A. HAMMAD
CHECKED	J. GRAINAWI
DRAWN	D. C. PATEL
CHECKED	A. HAMMAD

SHEET NO. 17	F.A.P RTE. 389	SECTION 2424.2B-R	COUNTY COOK	TOTAL SHEETS 398	SHEET NO. 98
163 SHEETS	CONTRACT NO. 60D61		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT		

**PB Americas, Inc.**  
230 WEST MONROE STREET,  
SUITE 900  
CHICAGO, IL. 60606

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**STRINGER NW1**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	378+90.75	-44.81	31.87	31.87
@ Existing G4	378+91.20	-44.81	31.87	31.87
A	378+96.16	-44.82	31.88	31.88
@ FB 21-21	379+03.90	-44.83	31.92	31.92

**STRINGER NW2**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
@ FB 21-21	379+03.90	-43.60	31.92	31.92
B	379+13.90	-43.62	31.99	31.99
C	379+23.90	-43.63	33.06	33.06
@ Trunnion	379+30.90	-43.64	32.11	32.11
E. Edge of slab	379+39.60	-43.65	32.18	32.18

**STRINGER NW3**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	378+92.64	-39.86	31.86	31.86
@ Existing G4	378+93.09	-39.86	31.87	31.87
A	378+96.17	-39.86	31.88	31.88
@ FB 21-21	379+03.91	-39.87	31.92	31.92
B	379+13.91	-39.89	31.99	31.99
C	379+23.91	-39.90	32.06	32.06
@ Trunnion	379+30.91	-39.91	32.11	32.11
E. Edge of slab	379+39.61	-39.92	32.18	32.18

**STRINGER NW4**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	378+94.53	-34.90	31.91	31.91
@ Existing G4	378+94.98	-34.90	31.92	31.92
A	378+96.17	-34.90	31.92	31.92
@ FB 21-21	379+03.91	-34.91	31.97	31.97
B	379+13.91	-34.93	32.02	32.02
C	379+23.91	-34.94	32.07	32.07
@ Trunnion	379+30.91	-34.95	32.11	32.11
E. Edge of slab	379+39.62	-34.96	32.18	32.18

**STRINGER NW5**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	378+96.42	-29.95	31.94	31.94
@ Existing G4	378+96.87	-29.95	31.94	31.94
@ FB 21-21	379+03.92	-29.96	31.98	31.98
B	379+13.92	-29.97	32.03	32.03
C	379+23.92	-29.98	32.08	32.08
@ Trunnion	379+30.92	-29.99	32.12	32.12
E. Edge of slab	379+39.62	-30.01	32.19	32.19

**STRINGER NW6**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	378+98.31	-24.99	31.96	31.96
@ Existing G4	378+98.76	-24.99	31.96	31.96
@ FB 21-21	379+03.93	-25.00	31.99	31.99
B	379+13.93	-25.01	32.04	32.04
C	379+23.93	-25.03	32.09	32.09
@ Trunnion	379+30.93	-25.04	32.13	32.13
E. Edge of slab	379+39.63	-25.05	32.20	32.20

**WB P.G.L.**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	378+98.96	-23.22	31.97	31.97
@ Existing G4	378+99.43	-23.22	31.97	31.97
@ FB 21-21	379+03.93	-23.23	31.99	31.99
B	379+13.93	-23.24	32.04	32.04
C	379+23.93	-23.25	32.10	32.10
@ Trunnion	379+30.93	-23.26	32.13	32.13
E. Edge of slab	379+39.63	-23.28	32.20	32.20

**STRINGER NW7**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	379+00.20	-20.03	31.97	31.97
@ Existing G4	379+00.65	-20.03	31.97	31.97
@ FB 21-21	379+03.93	-20.04	31.99	31.99
B	379+13.93	-20.05	32.04	32.04
C	379+23.93	-20.07	32.09	32.09
@ Trunnion	379+30.93	-20.08	32.13	32.13
E. Edge of slab	379+39.64	-20.09	32.20	32.20

**STRINGER NW8**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	379+02.09	-15.08	31.96	31.96
@ Existing G4	379+02.54	-15.08	31.97	31.97
@ FB 21-21	379+03.94	-15.08	31.97	31.97
B	379+13.94	-15.09	32.03	32.03
C	379+23.94	-15.11	32.09	32.09
@ Trunnion	379+30.94	-15.12	32.12	32.12
E. Edge of slab	379+39.64	-15.13	32.21	32.21

**STRINGER NW9**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	379+03.95	-10.12	31.96	31.96
@ Existing G4	379+04.42	-10.12	31.96	31.96
B	379+13.95	-10.14	32.01	32.01
C	379+23.95	-10.15	32.07	32.07
@ Trunnion	379+30.95	-10.16	32.11	32.11
E. Edge of slab	379+39.65	-10.17	32.20	32.20

**STRINGER NW10**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	379+05.62	-6.58	31.97	31.97
@ Existing G5	379+06.10	-6.58	31.97	31.97
B	379+13.95	-6.59	32.00	32.00
C	379+23.95	-6.61	32.05	32.05
@ Trunnion	379+30.95	-6.62	32.11	32.11
E. Edge of slab	379+39.65	-6.63	32.19	32.19

**STRINGER NW11**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. Edge of slab	379+07.96	-1.59	32.01	32.01
@ Existing G5	379+08.91	-1.59	32.01	32.01
B	379+13.96	-1.59	32.02	32.02
C	379+23.96	-1.61	32.04	32.04
@ Trunnion	379+30.96	-1.62	32.14	32.14
E. Edge of slab	379+40.37	-1.63	32.26	32.26

**TOP OF SLAB ELEVATIONS  
NORTHWEST FIXED SPANS  
STRUCTURE NO. 016-2445**

DESIGNED	A. HAMMAD
CHECKED	J. GRAINAWI
DRAWN	D. C. PATEL
CHECKED	A. HAMMAD

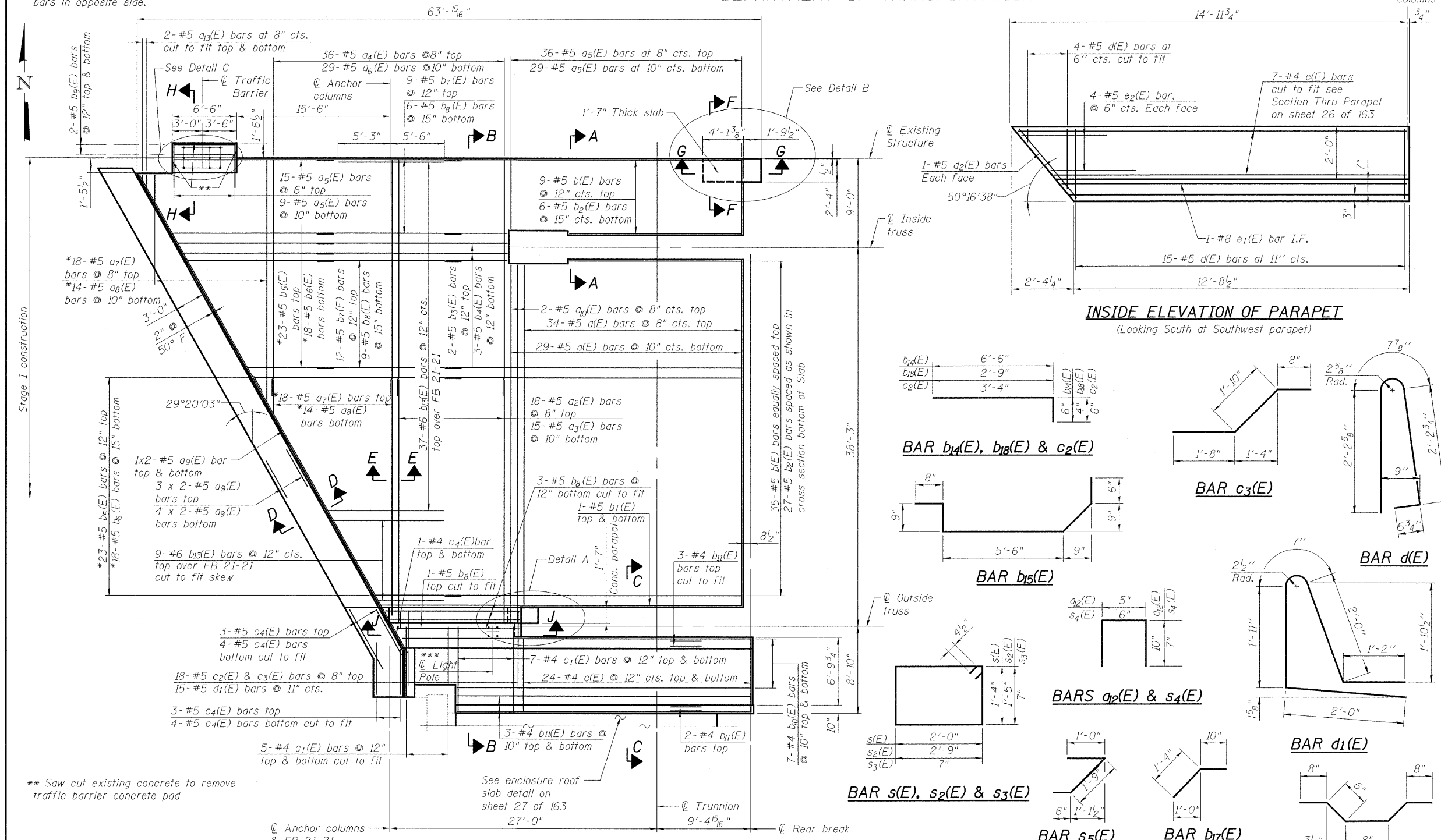
SHEET NO. 18	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	389	2424.2B-R	COOK	398	99
163 SHEETS	CONTRACT NO. 60D61			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT	

**PB Americas, Inc.**  
230 WEST MONROE STREET,  
SUITE 900  
CHICAGO, IL. 60606

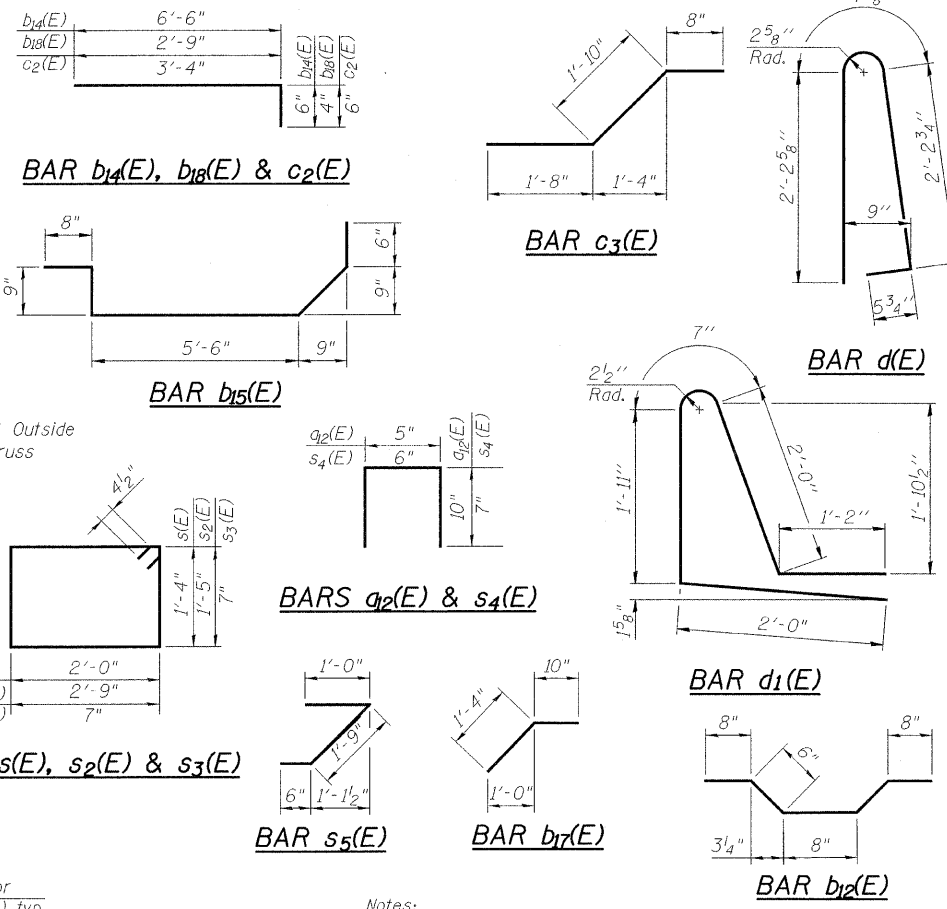
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**SOUTHWEST FIXED SPANS**  
**BILL OF MATERIAL**

\* Order a<sub>7</sub>(E), a<sub>8</sub>(E), b<sub>5</sub>(E), b<sub>6</sub>(E) bars full length.  
Cut to fit skew and use remainder of bars in opposite side.



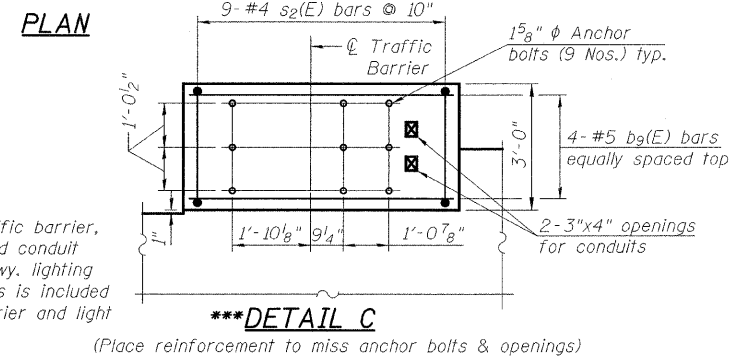
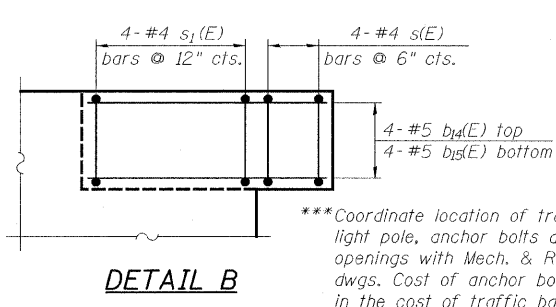
**INSIDE ELEVATION OF PARAPET**  
(Looking South at Southwest parapet)



Bar No.	Size	Length	Shape
a1(E)	63	#5	34'-10"
a2(E)	18	#5	24'-6"
a3(E)	15	#5	26'-5"
a4(E)	36	#5	23'-10"
a5(E)	89	#5	7'-6"
a6(E)	29	#5	22'-10"
a7(E)	18	#5	25'-9"
a8(E)	14	#5	27'-5"
a9(E)	18	#5	26'-3"
a10(E)	2	#5	36'-5"
a2(E)	93	#5	2'-1"
a3(E)	4	#5	2'-0"
b(E)	44	#5	30'-0"
b1(E)	2	#5	35'-11"
b2(E)	33	#5	35'-0"
b3(E)	2	#5	19'-3"
b4(E)	3	#5	23'-8"
b5(E)	23	#5	28'-8"
b6(E)	18	#5	18'-3"
b7(E)	21	#5	14'-7"
b8(E)	19	#5	14'-0"
b9(E)	27	#5	6'-3"
b10(E)	14	#4	34'-11"
b11(E)	11	#4	30'-7"
b12(E)	7	#4	3'-0"
b13(E)	46	#6	10'-9"
b14(E)	4	#5	7'-0"
b15(E)	4	#5	8'-6"
b17(E)	188	#5	2'-2"
b18(E)	124	#5	3'-1"
c(E)	48	#4	7'-1"
c1(E)	24	#4	10'-2"
c2(E)	18	#5	3'-10"
c3(E)	18	#5	4'-2"
c4(E)	15	#5	7'-6"
d(E)	19	#5	5'-7"
d1(E)	15	#5	7'-8"
d2(E)	2	#5	3'-4"
e(E)	7	#4	14'-8"
e1(E)	1	#8	13'-0"
e2(E)	8	#5	6'-0"
s(E)	9	#4	7'-5"
s1(E)	4	#4	6'-3"
s2(E)	4	#4	9'-1"
s3(E)	32	#4	3'-1"
s4(E)	48	#4	1'-8"
s5(E)	7	#4	3'-9"
Reinforcement Bars, Epoxy Coated	Pound	15150	
Concrete Superstructure	Cu. Yd.	72.5	
Latex Bridge Deck Concrete Overlay, 2 1/4"	Sq. Yd.	243.5	
Bridge Deck Grooving	Sq. Yd.	232.4	
Protective Coat	Sq. Yd.	307	

**MINIMUM BAR LAP**  
(Slab)  
#5 bar = 1'-8"

DESIGNED	M. SHAIKH
CHECKED	J. GRAINAWI
DRAWN	D. C. PATEL
CHECKED	A. HAMMAD



Notes:  
See sheet 20 of 163 for Section B-B through G-G.  
See sheet 21 of 163 for Section A-A.  
See sheet 29 of 163 for Detail A.  
Dimensions are based on a Rolled Rail Strip Seal Joint.  
If the Contractor elects to use the Welded Rail Strip Seal Joint, deck dimensions may require adjustments to satisfy the details on Sheet 32 of 163.

**PB Americas, Inc.**  
230 WEST MONROE STREET,  
SUITE 900  
CHICAGO, IL. 60606

SHEET NO. 19	F.A.P. RTE. 389	SECTION 2424.2B-R	COUNTY COOK	TOTAL SHEETS 398	SHEET NO. 100
163 SHEETS	CONTRACT NO. 60D61		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT		

**SUPERSTRUCTURE**  
**SOUTHWEST FIXED SPANS**  
**STRUCTURE NO. 016-2445**

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