

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

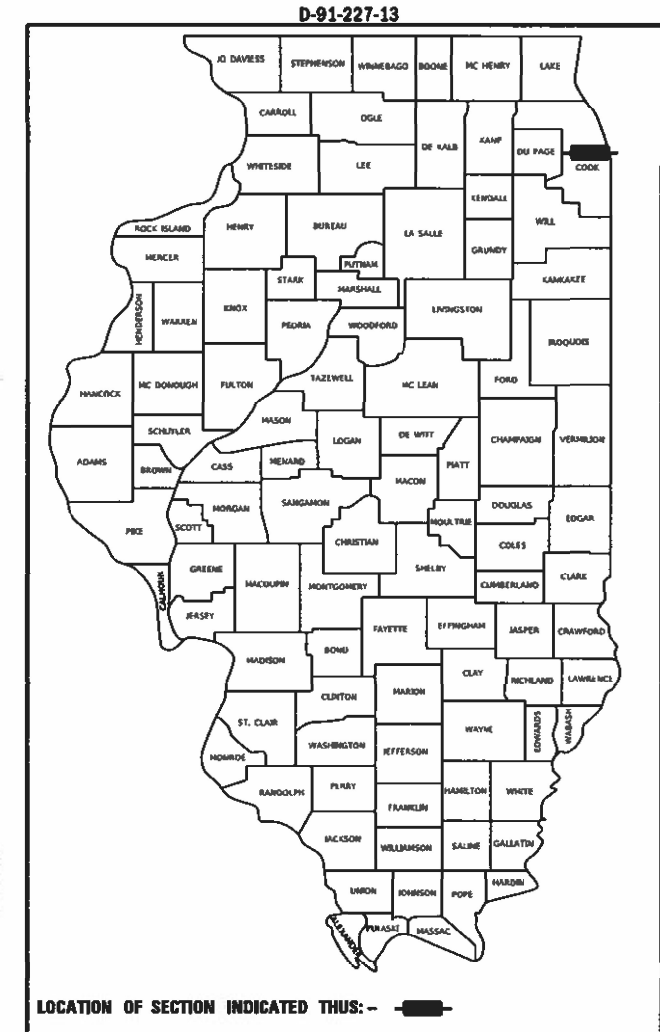
| FAI RTE. | SECTION    | COUNTY   | TOTAL SHEETS       | SHEET NO. |
|----------|------------|----------|--------------------|-----------|
| 90/94    | 2015-085BP | COOK     | 24                 | 1         |
|          |            | ILLINOIS | CONTRACT NO. 62B87 |           |


**FOR INDEX OF SHEETS, SEE SHEET NO. 2**

**PROJECT LOCATED IN CITY OF CHICAGO**


**TRAFFIC DATA**  
 I-290 (IDA B WELLS DRIVE)  
 2019 ADT = 77,600  
 POSTED SPEED LIMIT = 45 MPH

**FAI ROUTE 90/94: I-90/94 AT I-290 /IDA B WELLS DRIVE  
 (JANE BYRNE INTERCHANGE) BRIDGE (EB & WB)  
 EAST OF DES PLAINES ST & I-290 (WB) BRIDGE  
 SECTION 2015-085BP  
 PROJECT NHPP-6SBM(577)  
 BRIDGE PAINTING  
 COOK COUNTY**





*Robert T. Boro* 12 / 17 / 2021  
 ROBERT T. BORO DATE  
 LICENSE EXPIRES 11 / 30 / 2023  
 SHEET RANGE: 1-8, 19-24



*Moussa A. Issa* 12 / 17 / 2021  
 MOUSSA A. ISSA DATE  
 LICENSE EXPIRES 11 / 30 / 2022  
 SHEET RANGE: 9-18

100' 200' 300' 1" = 100'  
 10' 20' 30' 1" = 10'

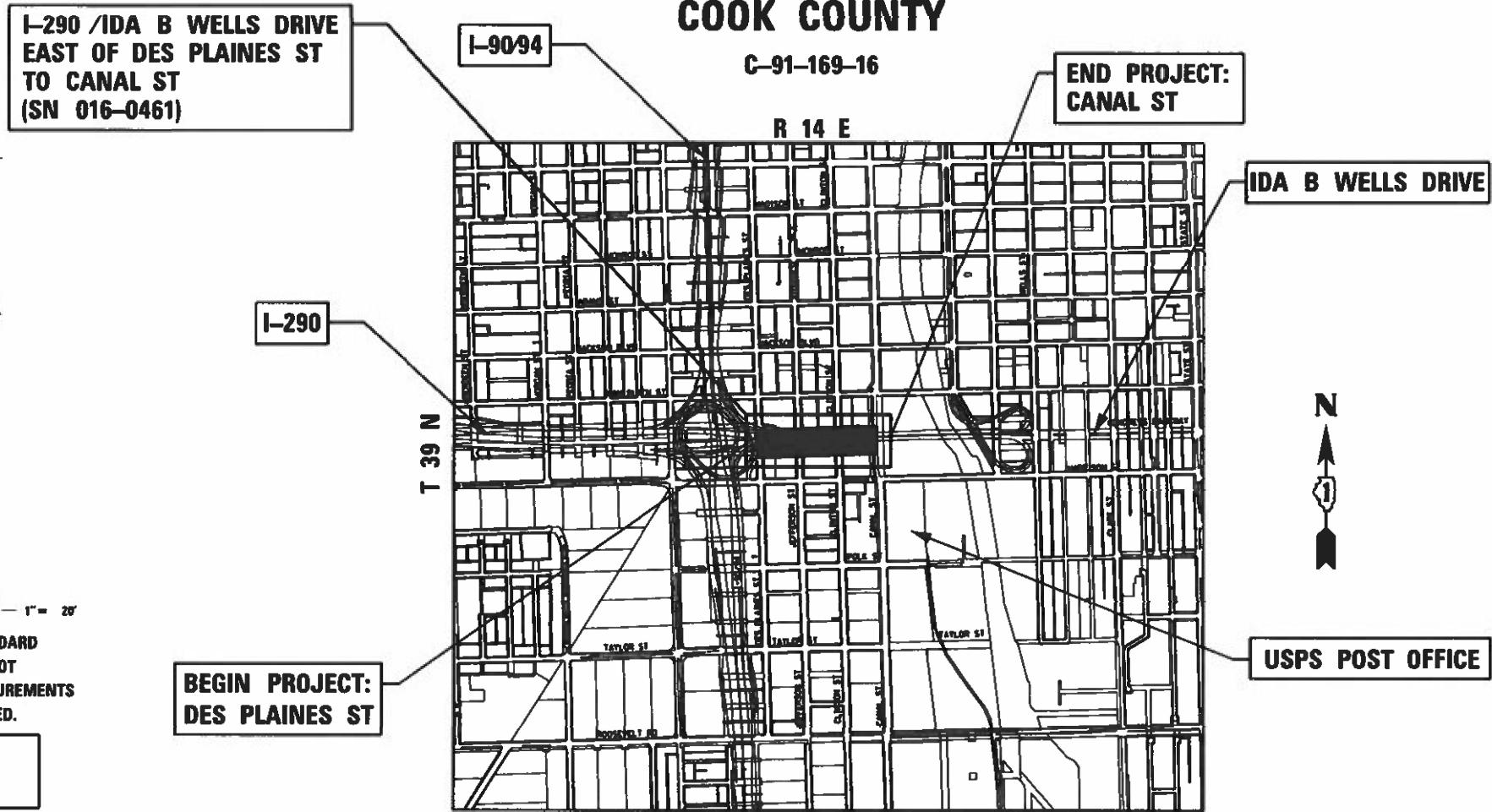
50' 100' 1" = 50'  
 50' 100' 1" = 40'

50' 100' 1" = 30'

100' 1" = 20'

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  
 CHICAGO UTILITY ALERT NETWORK  
 1-312-744-7000



GROSS AND NET LENGTH = 1,284 FT. = 0.243 MILE

PROJECT MANAGER: BRIAN KUTTAB, PE

CONTRACT NO. 62B87



**TranSystems** 1475 EAST WOODFIELD ROAD, SUITE 600  
 SCHLAUBURG, IL 60173  
 PHONE: (847) 605-9600  
 FAX: (847) 463-0565

**AECOM** 303 EAST WACKER DRIVE, SUITE 1400  
 CHICAGO, IL 60601-5276  
 PHONE: (312) 373-7700  
 FAX: (312) 373-6800

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUBMITTED DECEMBER 2, 2021

*Greg Rios*  
 REGIONAL ENGINEER

February 4, 2022

*Stephen M. Smith*  
 ENGINEER OF DESIGN AND ENVIRONMENT

February 4, 2022

*Stephen M. Smith*  
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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 OF THE STATE OF ILLINOIS**

DISTRICT 1 DESIGN /CONSULTANT SERVICES: BRIAN KUTTAB, P.E. (847)705-4431 SCHLAUBURG, ILLINOIS

**INDEX OF SHEETS**

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**HIGHWAY STANDARDS**

- 701400-11 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701401-13 LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701411-09 LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
- 701428-01 FREEWAY/EXPRESSWAY SETUP AND REMOVAL TRAFFIC CONTROL
- 701446-11 TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701601-09 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
- 701602-10 URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
- 701611-01 URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-08 TRAFFIC CONTROL DEVICES

**COMMITMENTS**

- 1. PROVISIONS FOR THE AIR QUALITY MONITORING PROGRAM SHALL FOLLOW THE ENVIRONMENTAL COMMITMENT OUTLINED IN THE ENVIRONMENTAL ASSESSMENT AND ERRATA - INCLUDED IN THE CONTRACT DOCUMENTS.

**GENERAL NOTES**

1. THE CONTRACTOR MUST CALL THE IDOT ELECTRICAL MAINTENANCE CONTRACTOR TO LOCATE IDOT FACILITY CABLES.
2. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO ROUTINE VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS, CONDITIONS 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 THE SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED BASED UPON THE UNIT PRICE BID FOR THE WORK.
3. PLAN DIMENSIONS AND DETAILS RELATIVE TO CHICAGO TRANSIT AUTHORITY (CTA) TRACK, RETAINING WALLS, AND TUNNELS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. PROPOSED CONSTRUCTION OCCURS ADJACENT TO AND OVER OPERATING CTA TRACKS WITHIN TUNNELS. SPECIAL CARE MUST BE USED DURING CONSTRUCTION OPERATIONS AROUND THE CTA INFRASTRUCTURE. ALL EXCAVATIONS NEAR THE CTA INFRASTRUCTURE MUST UTILIZE HAND DIGGING OR OTHER METHODS APPROVED IN ADVANCE BY THE CTA. ANY PROPOSED EQUIPMENT OR MATERIAL STORAGE, EQUIPMENT OPERATIONS OR OTHER ACTIVITIES DEEMED TO BE CONCERNS BY THE CTA REPRESENTATIVE OR THE ENGINEER SHALL BE APPROVED BY THE CTA AT LEAST 72 HOURS IN ADVANCE. APPROVAL SHALL BE BASED UPON A REVIEW IDENTIFIED IN THE CTA FLAGGING AND COORDINATION SPECIAL PROVISION.
4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE OR CITY PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT OR CITY OF CHICAGO.
5. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF CHICAGO.
6. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
7. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN THE EXISTING BRIDGE LIGHTING AT ANY LOCATIONS THAT LIGHTING IS ENCOUNTERED ADJACENT TO AN AREA TO BE CLEANED AND PAINTED.
9. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
10. WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHTTIME OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJACENT RESIDENTIAL AREAS.
11. THE "ARTERIAL ROAD INFORMATION SIGN (TC-22)" IS APPLICABLE ONLY TO ARTERIAL ROADS AND SHALL NOT BE APPLIED TO EXPRESSWAYS.
12. AT THE TIME OF PLAN DEVELOPMENT, CONGRESS PARKWAY IS IN THE PROCESS OF BEING RENAMED TO IDA B WELLS DRIVE. PLEASE NOTE THAT ALL INSTANCES IN THE PLANS AND SPECIAL PROVISIONS REFERRING TO CONGRESS PARKWAY SHALL NOW BE IDA B WELLS DRIVE.
13. THE CONTRACTOR SHALL COORDINATE PAINTING ACTIVITIES WITH THE CTA FOR ANY WORK AFFECTING THE ENTRANCES TO THE BLUE LINE SUBWAY UNDER CLINTON ST. ANY EXISTING CTA ELECTRONIC OR STATIC SIGNS SHALL BE PROTECTED AND THE STAIRS GOING TO/FROM THE CTA SHALL ALSO BE PROTECTED AS PART OF THE PAINTERS CONTAINMENT. ACCESS TO BOTH SIDES OF THE CTA TRACKS SHALL BE MAINTAINED. THE CLOSING OF THE ENTRANCES TO THE CTA SUBWAY ON THE WEST AND EAST SIDES OF CLINTON ST SHALL BE STAGED SO ONE SIDE IS ALWAYS KEPT OPEN.
14. CONTRACTOR MUST CONTACT CTA MINIMUM OF TWO (2) WEEKS PRIOR TO ANY BUS SERVICE IMPACTS. CTA POINT OF CONTACT IS TRAFFIC.PLANNING@TRANSITCHICAGO.COM
15. THE CONTRACTOR OR RESIDENT ENGINEER SHALL PROVIDE PACE WITH AT LEAST ONE WEEKS' NOTICE OF ROAD CLOSURES OF JEFFERSON STREET AND CLINTON STREET BY CONTACTING PACE'S TRANSPORTATION ENGINEER AT TRANSPORTATION.ENGINEER@PACEBUS.COM.
16. USE EXTREME CAUTION NEAR ALL GAS FACILITIES DURING CONSTRUCTION AND RELATED EXCAVATION ACTIVITIES. HAND DIG OR NON-INVASIVE EXCAVATION IS REQUIRED TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF GAS FACILITIES PRIOR TO CROSSING AND WORKING WITHIN 3 FEET OF ALL GAS FACILITIES. A MINIMUM OF 3' HORIZONTAL EDGE TO EDGE CLEARANCE IS REQUIRED FOR GAS FACILITIES WITH DIAMETERS OF 16" OR SMALLER, AND 5FT EDGE TO EDGE CLEARANCE FOR GAS FACILITIES WITH DIAMETERS 18" AND LARGER. MAINTAIN A MINIMUM OF 18" EDGE TO EDGE VERTICAL CLEARANCE WHEN CROSSING GAS FACILITIES 16" OR LESS IN DIAMETER, AND 24" EDGE TO EDGE VERTICAL CLEARANCE WHEN CROSSING 18" AND LARGER DIAMETER GAS FACILITIES. CONTACT 811 CHICAGO/DIGGER 312-744-7000 FOR LOCATES 48 HOURS PRIOR TO START OF CONSTRUCTION.
17. THE USE OF CONCRETE, FLOW FILL, OR THE LIKE IS PROHIBITED WITHIN 24 INCHES OF ALL GAS FACILITIES, NOR SHALL IT ENCASE ANY GAS FACILITY. A BUFFER OF 24" SAND IS TO BE USED BETWEEN FLOW FILL AND ALL GAS FACILITIES. A MINIMUM OF 6" FA-02 OR FM-02 SAND SHALL BE USED WHEN BACKFILLING OTHER MATERIALS AROUND ANY EXPOSED GAS FACILITY. CONTRACTOR EXPOSING GAS FACILITY IS RESPONSIBLE FOR PROVIDING THE SAND. ANY DAMAGES TO PEOPLES GAS FACILITIES SHALL BE THE RESPONSIBILITY OF THE INSTALLING UTILITY AND THEIR CONTRACTOR(S). CALL 866-556-6002 IMMEDIATELY FOR ANY DAMAGES TO THE GAS FACILITIES.
18. VERTICAL ADJUSTMENTS REQUIRED FOR VALVE BASIN FRAMES, COVERS, GAS SHUT-OFF VALVES, ROADWAY BOXES SHALL BE COMMUNICATED TO JACIE SPUDIC, PLANNING-PERMIT GROUP, JACIE.SPUDIC@PEOPLES GASDELIVERY.COM, 4 WEEKS PRIOR TO THE START OF RESTORATION FOR PLANNING & SCHEDULING. ALL GAS FACILITIES ARE TO BE MAINTAINED.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION OF ALL EMERGENCY SERVICES, SCHOOL DISTRICTS, IDOT'S COMMUNICATIONS' CENTER, SPRINGFIELD TRUCK PERMIT SECTION AND OTHER AGENCIES AFFECTED BY THE CLOSURE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR POSTING SIGNS THAT WILL INDICATE THE DATES THE CLOSURE WILL BE IN PLACE.

**CITY OF CHICAGO**

**GENERAL NOTES:**

1. ALL WORK WITHIN CITY RIGHT OF WAY MUST CONFORM TO THE MOST CURRENT CITY OF CHICAGO STANDARDS FOR CONSTRUCTION IN COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT, (ADA) AVAILABLE ON THE CITY OF CHICAGO WEBSITE.
2. CITY OF CHICAGO WATER VALVE VAULTS AND SEWER STRUCTURES SHALL NOT BE CLOSED, COVERED OR OTHERWISE OBSTRUCTED DURING CONSTRUCTION WITHOUT WRITTEN PERMISSION FROM THE CITY OF CHICAGO DEPARTMENT OF WATER MANAGEMENT UNLESS SPECIFICALLY IDENTIFIED FOR REMOVAL, RECONSTRUCTION OR ADJUSTMENT WITHIN THESE PLANS.
3. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DEPARTMENT OF TRANSPORTATION OF ANY DAMAGE TO CITY OWNED AND MAINTAINED TRAFFIC SIGNS, SIGNALS, GUARDRAILS, FENCES, ETC.
4. IF CONSTRUCTION REQUIRES THE USE OF WATER FROM A CITY FIRE HYDRANT, OR ADJUSTMENT REPAIRS ARE REQUIRED TO ANY CITY SEWER FACILITIES IN PROXIMITY TO THE PROJECT SITE, PERMITS MUST BE OBTAINED FROM THE DEPARTMENT OF WATER MANAGEMENT, WATER AND SEWER SECTIONS.
5. EXTREME CAUTION IS TO BE TAKEN TO ENSURE THAT NO FACILITY OWNED AND MAINTAINED BY THE DEPARTMENT OF WATER MANAGEMENT IS DAMAGED DURING CONSTRUCTION. IF DAMAGE OCCURS TO ANY FACILITIES, THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE COST OF REPAIRING OR REPLACING THEM.

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|                              |                   |           |
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| USER NAME = o11.155a         | DRAWN - AMI       | REVISED - |
| PLOT SCALE = 100.0000' / in. | CHECKED - JMG     | REVISED - |
| PLOT DATE = 12/10/2021       | DATE - 12/10/2021 | REVISED - |

|                   |           |
|-------------------|-----------|
| DESIGNED - AMI    | REVISED - |
| DRAWN - AMI       | REVISED - |
| CHECKED - JMG     | REVISED - |
| DATE - 12/10/2021 | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

|                    |            |        |                           |              |
|--------------------|------------|--------|---------------------------|--------------|
| F.A.I<br>RTE.      | SECTION    | COUNTY | TOTAL<br>SHEETS           | SHEET<br>NO. |
| 90/94              | 2015-085BP | COOK   | 24                        | 2            |
| CONTRACT NO. 62887 |            |        | ILLINOIS FED. AID PROJECT |              |

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| CODE NO.                          | ITEM   | UNIT   | TOTAL QUANTITY URBAN | CONSTRUCTION CODE |                |
|-----------------------------------|--|--------|----------------------|-------------------|----------------|
|                                   |  |        |                      | 90% FED           | 10% STATE 0047 |
| 67000400                          | ENGINEER'S FIELD OFFICE, TYPE A                                | CAL MO | 8                    | 8                 |                |
| 67100100                          | MOBILIZATION   | L SUM  | 1                    | 1                 |                |
| 70200100                          | NIGHTTIME WORK ZONE LIGHTING                                   | L SUM  | 1                    | 1                 |                |
| • X7010216                        | TRAFFIC CONTROL AND PROTECTION, (SPECIAL)                      | L SUM  | 1                    | 1                 |                |
| • X7011015                        | TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)                   | L SUM  | 1                    | 1                 |                |
| Z0007101                          | CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1 | L SUM  | 1                    | 1                 |                |
| Z0010501                          | CLEANING AND PAINTING STEEL BRIDGE NO. 1                       | L SUM  | 1                    | 1                 |                |
| • Z0030850                        | TEMPORARY INFORMATION SIGNING                                  | SQ FT  | 26                   | 26                |                |
| <input type="checkbox"/> Z0076600 | TRAINEES   | HOUR   | 500                  | 500               |                |
| <input type="checkbox"/> Z0076604 | TRAINEES - TRAINING PROGRAM GRADUATE                           | HOUR   | 500                  | 500               |                |
|                                   |  |        |                      |                   |                |
|                                   |  |        |                      |                   |                |
|                                   |  |        |                      |                   |                |
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|                                   |  |        |                      |                   |                |
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|                                   |  |        |                      |                   |                |
|                                   |  |        |                      |                   |                |
|                                   |  |        |                      |                   |                |

• SPECIALTY ITEM  
 \*\* CONSTRUCTION CODE 0042

0042



|                             |                   |           |
|-----------------------------|-------------------|-----------|
| D162887-SHT-500.dgn         | DESIGNED - AMI    | REVISED - |
| USER NAME = a1.1990         | DRAWN - AMI       | REVISED - |
| PLOT SCALE = 2.0000' / 1in. | CHECKED - JMG     | REVISED - |
| PLOT DATE = 12/10/2021      | DATE - 12/10/2021 | REVISED - |

|                   |           |
|-------------------|-----------|
| DESIGNED - AMI    | REVISED - |
| DRAWN - AMI       | REVISED - |
| CHECKED - JMG     | REVISED - |
| DATE - 12/10/2021 | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

| SUMMARY OF QUANTITIES    |         |             |              |
|--------------------------|---------|-------------|--------------|
| I-290 /IDA B WELLS DRIVE |         |             |              |
| SCALE:                   | SHEET 1 | OF 1 SHEETS | STA. TO STA. |

|                    |                    |             |                             |             |
|--------------------|--------------------|-------------|-----------------------------|-------------|
| F.A.I. RTE. 90/94  | SECTION 2015-0858P | COUNTY COOK | TOTAL SHEETS 24             | SHEET NO. 3 |
| CONTRACT NO. 62B87 |                    |             | [ILLINOIS] FED. AID PROJECT |             |

**TRAFFIC CONTROL GENERAL NOTES**

1. THE CONTRACTOR SHALL CONTACT THE DISTRICT OF ARTERIAL TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV AND THE EXPRESSWAYS TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
2. UNLESS OTHERWISE NOTED IN THE SPECIAL PROVISIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER 28 DAYS PRIOR TO ANY ANTICIPATED CLOSURES.
3. TYPE III BARRICADES AND ROAD CLOSURE SIGNS SHALL BE POSITIONED AS SHOWN, ACCORDING TO HIGHWAY STANDARD 701901 AND AS DIRECTED BY THE ENGINEER.
4. TYPE A LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON EACH SIGN IN ADVANCE OF THE WORK DURING HOURS OF DARKNESS.
5. ALL CONSTRUCTION WARNING SIGNS SHALL BE A MINIMUM OF 48" x 48" AND HAVE A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
6. ALL TYPE III BARRICADES UTILIZED FOR ROAD CLOSURES SHALL INCLUDE TWO LOW INTENSITY FLASHING LIGHTS MOUNTED ON TOP OF EACH BARRICADE.
7. ALL TYPE II/III BARRICADES, DRUMS, AND VERTICAL PANELS SHALL HAVE MONO-DIRECTIONAL OR BI-DIRECTIONAL STEADY BURNING LIGHTS AS PER CURRENT IDOT STANDARDS.
8. WHERE ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
9. EXACT LOCATION OF ALL WARNING SIGNS AND BARRICADES SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.
10. PRIOR TO START OF CONSTRUCTION ACTIVITIES, ALL REQUIRED TRAFFIC CONTROL DEVICES SHALL BE IN PLACE.
11. COOPERATION BETWEEN CONTRACTORS WILL BE REQUIRED. THE CONTRACTOR SHALL COORDINATE TRAFFIC CONTROL WITH OTHER ADJACENT CONTRACTS WHICH MAY BE UNDER CONSTRUCTION DURING THE DURATION OF THIS PROJECT. NO ADDITIONAL COMPENSATION IS ALLOWED.
12. A MINIMUM 11' LANE WIDTH SHALL BE MAINTAINED ON ALL INTERSTATE LANES OPEN TO TRAFFIC DURING CONSTRUCTION UNLESS OTHERWISE NOTED.
13. OFFSETS BETWEEN THE EDGE OF TRAVEL LANE AND THE FACE OF TEMPORARY CONCRETE BARRIER ARE ASSUMED TO BE 1 FT UNLESS DESIGNATED OTHERWISE.
14. THE CONTRACTOR SHALL VERIFY LOCATION OF ALL BUILDING ACCESS, COORDINATE WITH BUILDING OWNERS AND LOCAL AUTHORITIES AND PROVIDE FULL ACCESS TO BUSINESSES OR PROPERTIES DURING THEIR NORMAL WORKING HOURS IN ACCORDANCE WITH ADA AND APPLICABLE CODE REQUIREMENTS.
15. THE CONTRACTOR SHALL MAINTAIN TRAFFIC ON ALL STREETS EXCEPT WHERE NOTED ON THE PLANS AND PROHIBIT PARKING WITHIN FIFTY (50) FEET OF THE CONSTRUCTION AREA AT ALL TIMES. NOTIFY CDOT AND OEMC AT LEAST 72 HOURS BEFORE COMMENCING CONSTRUCTION.
16. PROVIDE CONTINUOUS TEMPORARY ACCESS TO ALL SIDE STREETS, ALLEYS, DRIVEWAYS, AND PARKING LOTS UNLESS SPECIFICALLY IDENTIFIED ON THE PLANS FOR TEMPORARY CLOSURE. LOTS WITH MORE THAN ONE DRIVEWAY MUST BE STAGED TO KEEP AT LEAST ONE DRIVEWAY OPEN AT ALL TIMES.
17. MAINTAIN ACCESS TO FIRE HYDRANTS, BUILDING STANDPIPES AND OTHER EMERGENCY FACILITIES WITHIN THE CONSTRUCTION ZONE.
18. THE CONTRACTOR SHALL COORDINATE WORK WITH PRIVATE UTILITY COMPANIES AND THEIR CONTRACTORS FOR ADJUSTMENTS, SUPPORTS, AND RELOCATION. UTILITY WORK WILL GENERALLY BE CONDUCTED PRIOR TO ROADWAY WORK, BUT CERTAIN ITEMS MAY NEED TO PROCEED IN CONCERT WITH CONSTRUCTION OPERATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT AFFECTED UTILITIES AND COORDINATE WORK WITHIN THE CONSTRUCTION SCHEDULE. THE EFFORT OF WHICH WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
19. SIGN W21-1 AND W20-7 SHALL BE TAKEN DOWN OR COVERED WHEN THE WORKERS ARE NOT PRESENT.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCESS RESTRICTIONS TO THE SITE AS MAY BE REQUIRED BY THE ENGINEER. IN AREAS WHERE SILT FENCE IS NOT INSTALLED, ORANGE CONSTRUCTION FENCING MAY BE REQUIRED TO RESTRICT ACCESS TO WORK ZONES. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE NEED FOR ACCESS RESTRICTIONS AND THEIR CONFIGURATION. ORANGE CONSTRUCTION FENCING (IF NECESSARY) WILL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).
21. ALL UPSTREAM LEADING ENDS OF TEMPORARY CONCRETE BARRIER WALL SHALL BE FLARED AT A 12:1 TAPER RATE UNLESS OTHERWISE NOTED.
22. ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER 7 DAYS SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. SUFFICIENT QUANTITIES FOR ONE PLACEMENT AND ONE REPLACEMENT HAVE BEEN PROVIDED FOR EACH STAGE. ALL MARKINGS THAT REQUIRE REPLACEMENT AFTER THE FIRST REPLACEMENT SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
23. THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION, (SPECIAL) FOR THOSE SIGNS ALONG LOCAL STREETS AND INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS) FOR THOSE SIGNS ALONG EXPRESSWAYS. ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL) FOR THOSE SIGNS ALONG LOCAL STREETS AND INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS) FOR THOSE SIGNS ALONG EXPRESSWAYS.
24. THE CONTRACTOR SHALL ONLY SET UP AND STORE EQUIPMENT DURING CONSTRUCTION AT THE SUGGESTED STAGING AREAS AS SHOWN IN THE PLANS OR AS APPROVED BY THE ENGINEER. THE SUGGESTED STAGING AREAS SHOWN IN THE PLANS ARE SUBJECT TO FIELD MODIFICATION AS DETERMINED BY THE ENGINEER. THE SUGGESTED STAGING AREAS MAY BE SHARED WITH OTHER ADJACENT CONTRACTS WHICH MAY BE UNDER CONSTRUCTION DURING THE DURATION OF THIS PROJECT. CONTRACTOR COOPERATION IS REQUIRED. ADDITIONALLY, UTILITIES AND UTILITY CONTRACTORS MAY PERFORM ASBESTOS ABATEMENT ON CONTRACTOR REMOVED CONDUITS WITHIN A SECURE AREA PROVIDED WITHIN THE STAGING AREAS.
25. ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC AS SOON AS THEY ARE NO LONGER NECESSARY. WHEN A SIGN IS COVERED, ITS POST SHALL HAVE A REFLECTIVE 3 INCH X 6 INCH DELINEATOR INSTALLED.
26. THE CONTRACTOR SHALL REQUEST AND GAIN APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATION ENGINEER AT [www.idotils.com](http://www.idotils.com) TWENTY-FOUR (24) HOURS IN ADVANCE OF ALL DAILY LANE, RAMP, AND SHOULDER CLOSURES AND 7 DAYS IN ADVANCE OF ALL PERMANENT AND WEEKEND CLOSURES ON ALL FREEWAYS AND/OR EXPRESSWAYS IN DISTRICT ONE.
27. ARTERIAL LANE CLOSURES WILL NOT BE PERMITTED DURING PEAK TRAFFIC VOLUME HOURS. PEAK TRAFFIC VOLUME HOURS ARE DEFINED AS EVERY DAY (MONDAY THROUGH SUNDAY) FROM 6:00 AM TO 9:00 PM.  
  
SHOULD THE CONTRACTOR FAIL TO COMPLETELY OPEN AND KEEP OPEN ALL THE TRAFFIC LANES TO TRAFFIC IN ACCORDANCE WITH THE LIMITATIONS SPECIFIED ABOVE, THE CONTRACTOR SHALL BE LIABLE TO THE DEPARTMENT FOR THE AMOUNT OF:  
  
ONE LANE OR RAMP BLOCKED = \$1,000  
TWO LANES BLOCKED = \$2,500  
  
NOT AS A PENALTY BUT AS LIQUIDATED AND ASCERTAINED DAMAGES FOR EACH AND EVERY 15 MINUTE INTERVAL OR A PORTION THEREOF THAT A LANE IS BLOCKED OUTSIDE THE ALLOWABLE TIME LIMITATIONS. SUCH DAMAGES MAY BE DEDUCTED BY THE DEPARTMENT FROM ANY MONIES DUE THE CONTRACTOR. THESE DAMAGES SHALL APPLY DURING THE CONTRACT TIME AND DURING ANY EXTENSIONS OF THE CONTRACT TIME

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|                            |                   |           |
|----------------------------|-------------------|-----------|
| DI62887-SHT-MOTGENOTES.dgn | DESIGNED - AMI    | REVISED - |
| USER NAME = a1.155a        | DRAWN - AMI       | REVISED - |
| PLOT SCALE = 2.0000' / in. | CHECKED - JMG     | REVISED - |
| PLOT DATE = 12/10/2021     | DATE - 12/10/2021 | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
TRAFFIC CONTROL GENERAL NOTES**

SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

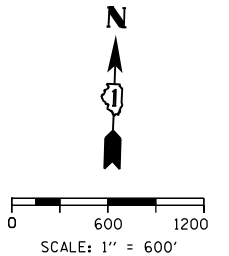
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|---------------------------|------------|--------|---------------------------|--------------|
| F.A.I<br>RTE.             | SECTION    | COUNTY | TOTAL<br>SHEETS           | SHEET<br>NO. |
| 90/94                     | 2015-085BP | COOK   | 24                        | 4            |
| ILLINOIS FED. AID PROJECT |            |        | <b>CONTRACT NO. 62887</b> |              |

**TRAFFIC CONTROL NOTES**

1. DETOUR SIGNING MUST BE INSTALLED PRIOR TO CLOSURE OF JEFFERSON STREET.
2. PLACEMENT AND SPACING OF SIGNS AND BARRICADES SHALL BE IN ACCORDANCE WITH IDOT DISTRICT 1 STANDARD DETAIL TC-08, TC-09, TC-10, TC-17, TC-21 AND TC-22.
3. ALL DETOUR SIGNS SHALL HAVE AN ORANGE BACKGROUND WITH BLACK LETTERS.
4. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH OTHER ROAD WORK IN THE AREA.
5. THE COST OF SUPPLYING, ERECTING AND MAINTAINING BARRICADES, WARNING LIGHTS AND STANDARD SIGNS ALONG ALL DETOUR ROUTES SHALL BE INCLUDED IN THE CONTRACT COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
6. LANE CLOSURES SHALL ONLY BE ALLOWED DURING THE RESTRICTED HOURS NOTED IN THE TRAFFIC CONTROL GENERAL NOTE 27 ON SHEET 4.
7. DETOUR IMPLEMENTED DURING A SPECIFIC CLOSURE MAY VARY BASED UPON REQUIREMENTS OF THE CITY OF CHICAGO. CONTRACTOR SHALL COORDINATE WITH THE ENGINEER IN ADVANCE PRIOR TO THE INSTALLATION OF ANY OVERNIGHT DETOUR.

**LEGEND**

- SUGGESTED PRIMARY ROUTE
- TWO-WAY STREET
- ONE-WAY STREET
- ROAD CLOSURE
- TEMPORARY SIGN
- EXISTING SIGN
- SIGN BARRICADE TYPE III



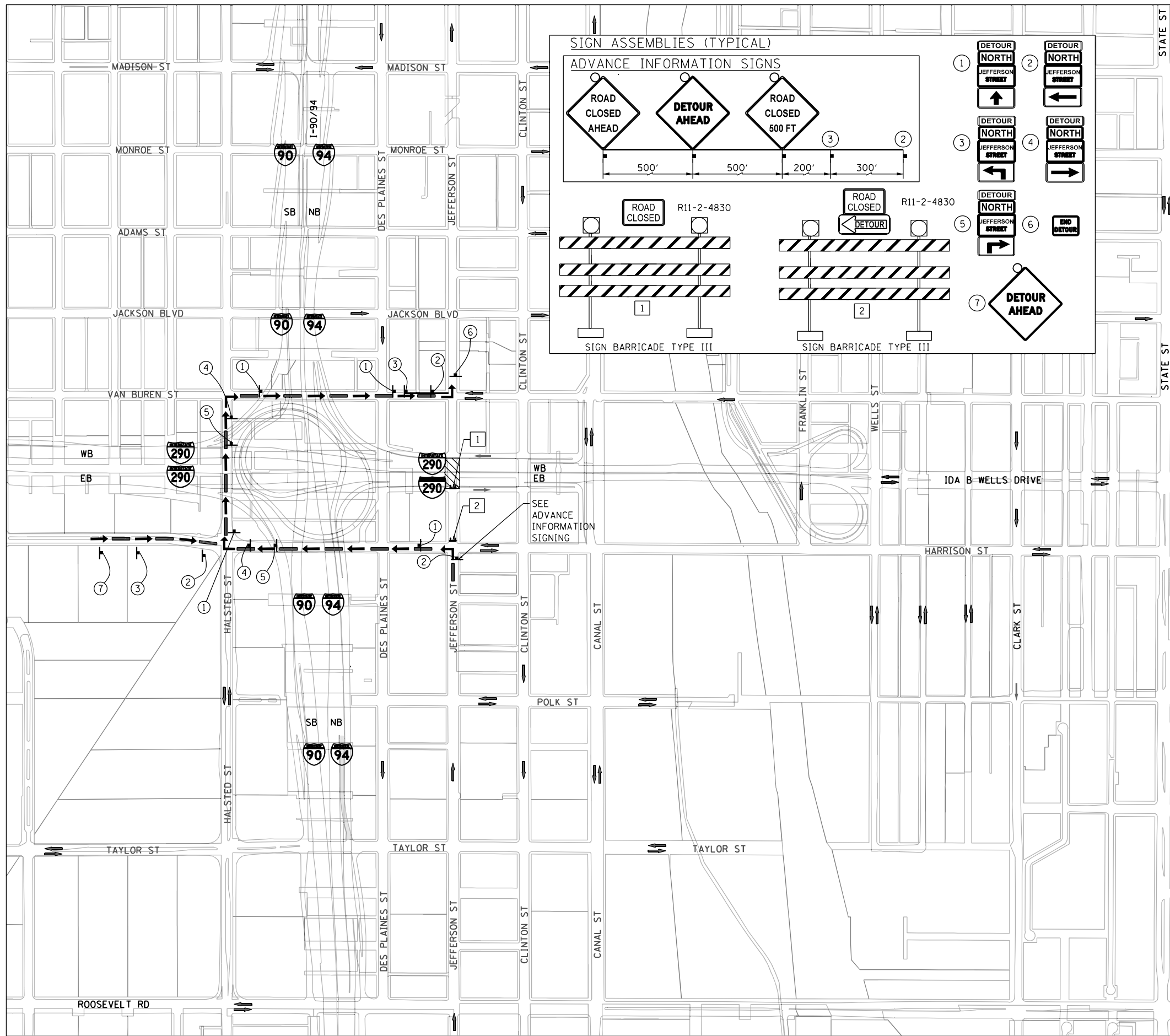
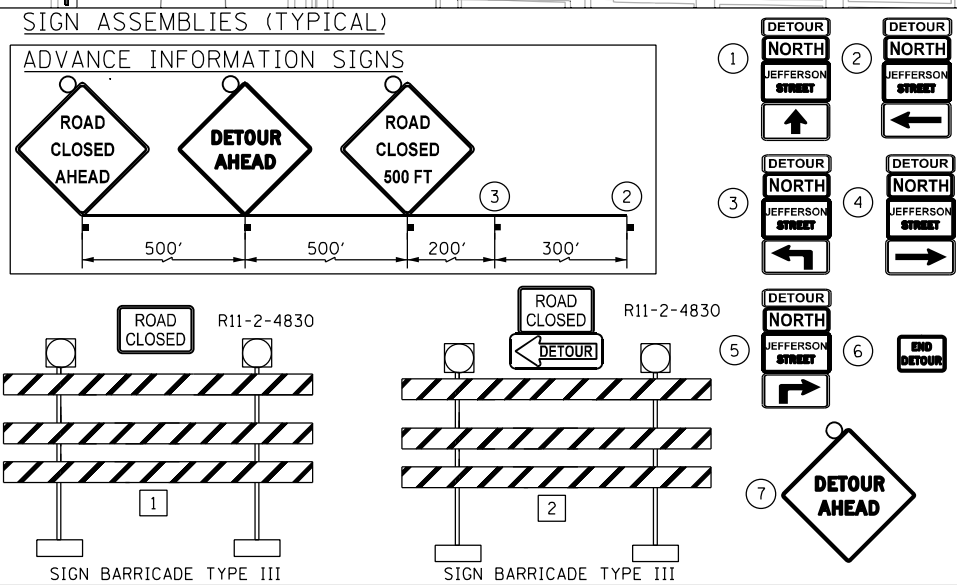
**DETOUR SIGNS TYPE & SIZE**

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

- M4-8A (24"x18")
- M5-1R-2115
- M4-8-2412
- M6-1-2115
- M3-1-2412
- M6-1-2115
- M5-1L-2115



- R11-2-4830
- CUSTOM SPECIAL - LOCAL ROAD BLACK LETTERS (MIN 4") ON WHITE BACKGROUND (24"x18")
- M4-10L-4818



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D162887-SHT-DETOUR2.dgn  
 USER NAME = o1.155a  
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|                   |           |
|-------------------|-----------|
| DESIGNED - AMI    | REVISED - |
| DRAWN - AMI       | REVISED - |
| CHECKED - JMG     | REVISED - |
| DATE - 12/10/2021 | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DETOUR PLAN  
 JEFFERSON ST**

SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.

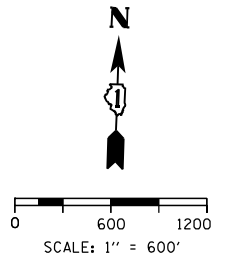
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| F.A.I. RTE.        | SECTION    | COUNTY | TOTAL SHEETS              | SHEET NO. |
| 90/94              | 2015-085BP | COOK   | 24                        | 5         |
| CONTRACT NO. 62887 |            |        | ILLINOIS FED. AID PROJECT |           |

**TRAFFIC CONTROL NOTES**

1. DETOUR SIGNING MUST BE INSTALLED PRIOR TO CLOSURE OF CLINTON STREET.
2. PLACEMENT AND SPACING OF SIGNS AND BARRICADES SHALL BE IN ACCORDANCE WITH IDOT DISTRICT 1 STANDARD DETAIL TC-08, TC-09, TC-10, TC-17, TC-21 AND TC-22
3. ALL DETOUR SIGNS SHALL HAVE AN ORANGE BACKGROUND WITH BLACK LETTERS.
4. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH OTHER ROAD WORK IN THE AREA.
5. THE COST OF SUPPLYING, ERECTING AND MAINTAINING BARRICADES, WARNING LIGHTS AND STANDARD SIGNS ALONG ALL DETOUR ROUTES SHALL BE INCLUDED IN THE CONTRACT COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
6. LANE CLOSURES SHALL ONLY BE ALLOWED DURING THE RESTRICTED HOURS NOTED IN THE TRAFFIC CONTROL GENERAL NOTE 27 ON SHEET 4.
7. THE CLOSING OF THE SIDEWALKS AND ENTRANCES TO THE SUBWAY ON THE WEST AND EAST SIDES OF CLINTON ST SHALL BE STAGED SO ONE SIDE IS ALWAYS KEPT OPEN. THE CONTRACTOR SHALL PROVIDE PROTECTION FOR PEDESTRIANS TO FREELY PASS FROM THE NORTH SIDE OF THE BRIDGE TO THE SOUTH SIDE OF THE BRIDGE AND TO ACCESS THE SUBWAY DURING THE CLEANING AND PAINTING ACTIVITY. COST OF PROTECTION INCLUDED WITH CLEANING AND PAINTING STEEL BRIDGE NO. 1.
8. THE CONTRACTOR SHALL COORDINATE WITH THE CTA TO TEMPORARILY RELOCATE THE CLINTON ST. BUS STOP (UNDERNEATH THE STRUCTURE) AT THE NW CORNER OF CLINTON ST. AND THE CONGRESS PARKWAY SERVICE ROAD TO THE SW CORNER OF CLINTON ST. AND THE CONGRESS PARKWAY SERVICE ROAD.
9. DETOUR IMPLEMENTED DURING A SPECIFIC CLOSURE MAY VARY BASED UPON REQUIREMENTS OF THE CITY OF CHICAGO. CONTRACTOR SHALL COORDINATE WITH THE ENGINEER IN ADVANCE PRIOR TO THE INSTALLATION OF ANY OVERNIGHT DETOUR.

**LEGEND**

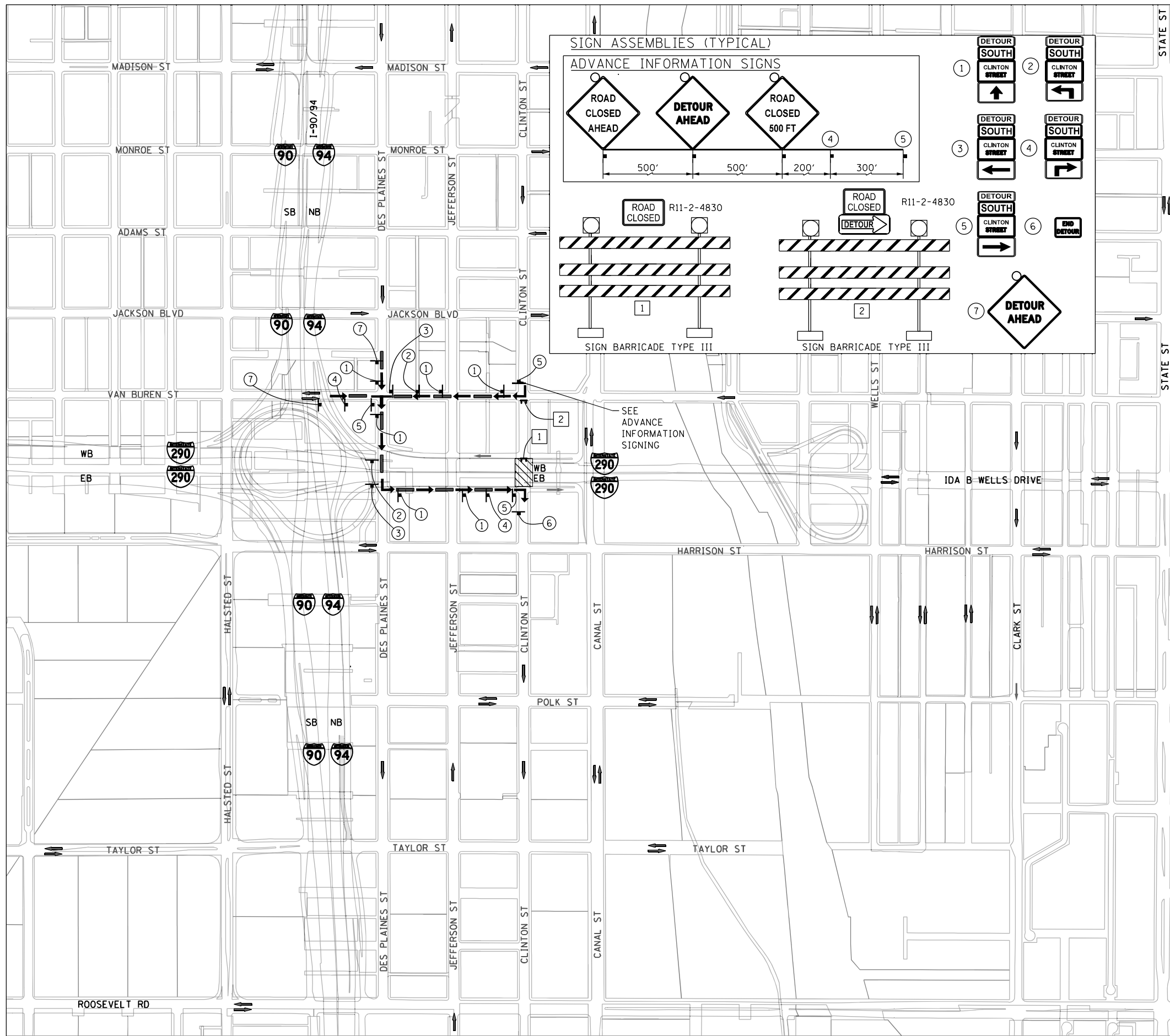
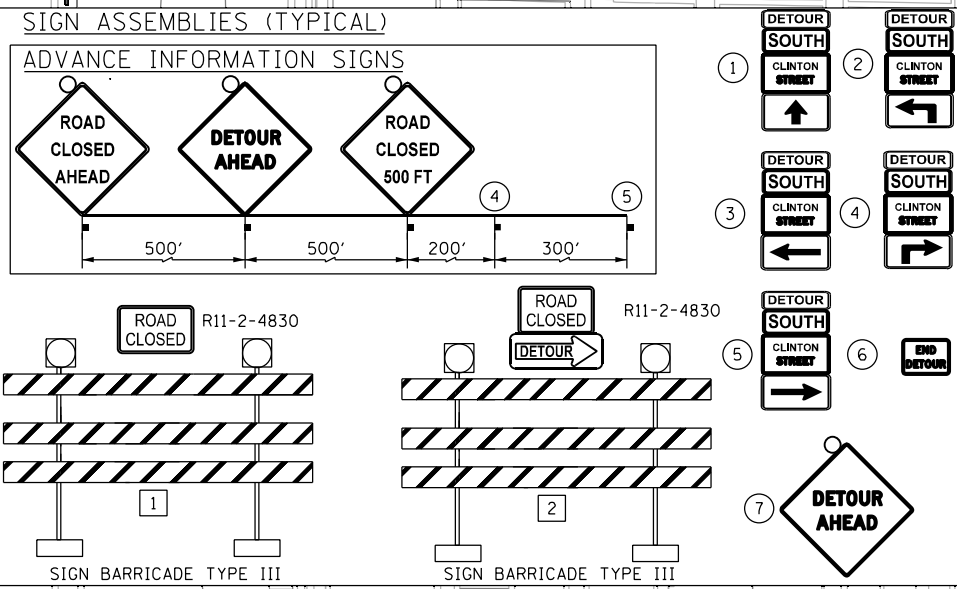
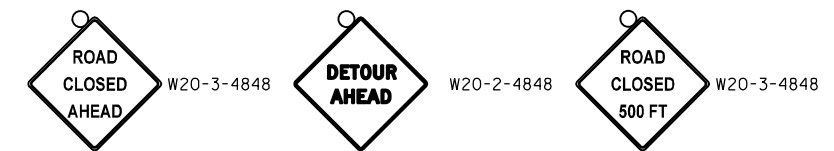
- SUGGESTED PRIMARY ROUTE
- TWO-WAY STREET
- ONE-WAY STREET
- ROAD CLOSURE
- TEMPORARY SIGN
- EXISTING SIGN
- SIGN BARRICADE TYPE III



**DETOUR SIGNS TYPE & SIZE**

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

- M4-8A (24"x18")
- M6-1-2115
- M6-1-2115
- M5-1R-2115
- M4-8-2412
- M3-3-2412
- M5-1L-2115



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| USER NAME = o1.1550           | DRAWN - AMI       | REVISED - |
| PLOT SCALE = 1200.0000' / in. | CHECKED - JMG     | REVISED - |
| PLOT DATE = 12/10/2021        | DATE - 12/10/2021 | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETOUR PLAN  
CLINTON ST**

SCALE: SHEET 3 OF 5 SHEETS STA. TO STA.

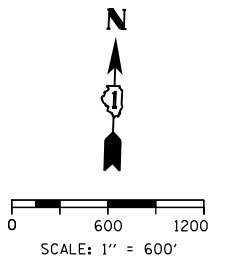
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| F.A.I. RTE. 90/94         | SECTION 2015-085BP | COUNTY COOK | TOTAL SHEETS 24 | SHEET NO. 6        |
|                           |                    |             |                 | CONTRACT NO. 62887 |
| ILLINOIS FED. AID PROJECT |                    |             |                 |                    |

**TRAFFIC CONTROL NOTES**

1. DETOUR SIGNING MUST BE INSTALLED PRIOR TO CLOSURE OF CANAL STREET.
2. PLACEMENT AND SPACING OF SIGNS AND BARRICADES SHALL BE IN ACCORDANCE WITH IDOT DISTRICT 1 STANDARD DETAIL TC-08, TC-09, TC-10, TC-17, TC-21 AND TC-22.
3. ALL DETOUR SIGNS SHALL HAVE AN ORANGE BACKGROUND WITH BLACK LETTERS.
4. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH OTHER ROAD WORK IN THE AREA.
5. THE COST OF SUPPLYING, ERECTING AND MAINTAINING BARRICADES, WARNING LIGHTS AND STANDARD SIGNS ALONG ALL DETOUR ROUTES SHALL BE INCLUDED IN THE CONTRACT COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
6. LANE CLOSURES SHALL ONLY BE ALLOWED DURING THE RESTRICTED HOURS NOTED IN THE TRAFFIC CONTROL GENERAL NOTE 27 ON SHEET 4.
7. DETOUR IMPLEMENTED DURING A SPECIFIC CLOSURE MAY VARY BASED UPON REQUIREMENTS OF THE CITY OF CHICAGO. CONTRACTOR SHALL COORDINATE WITH THE ENGINEER IN ADVANCE PRIOR TO THE INSTALLATION OF ANY OVERNIGHT DETOUR.

**LEGEND**

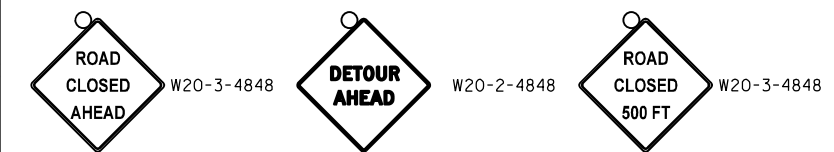
- SUGGESTED PRIMARY ROUTE
- TWO-WAY STREET
- ONE-WAY STREET
- ROAD CLOSURE
- TEMPORARY SIGN
- EXISTING SIGN
- SIGN BARRICADE TYPE III



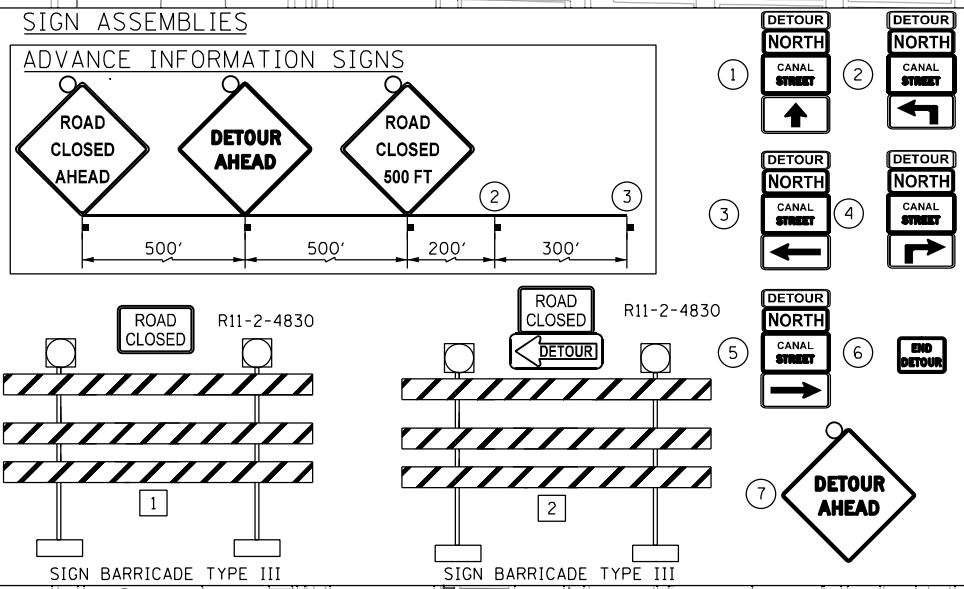
**DETOUR SIGNS TYPE & SIZE**

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

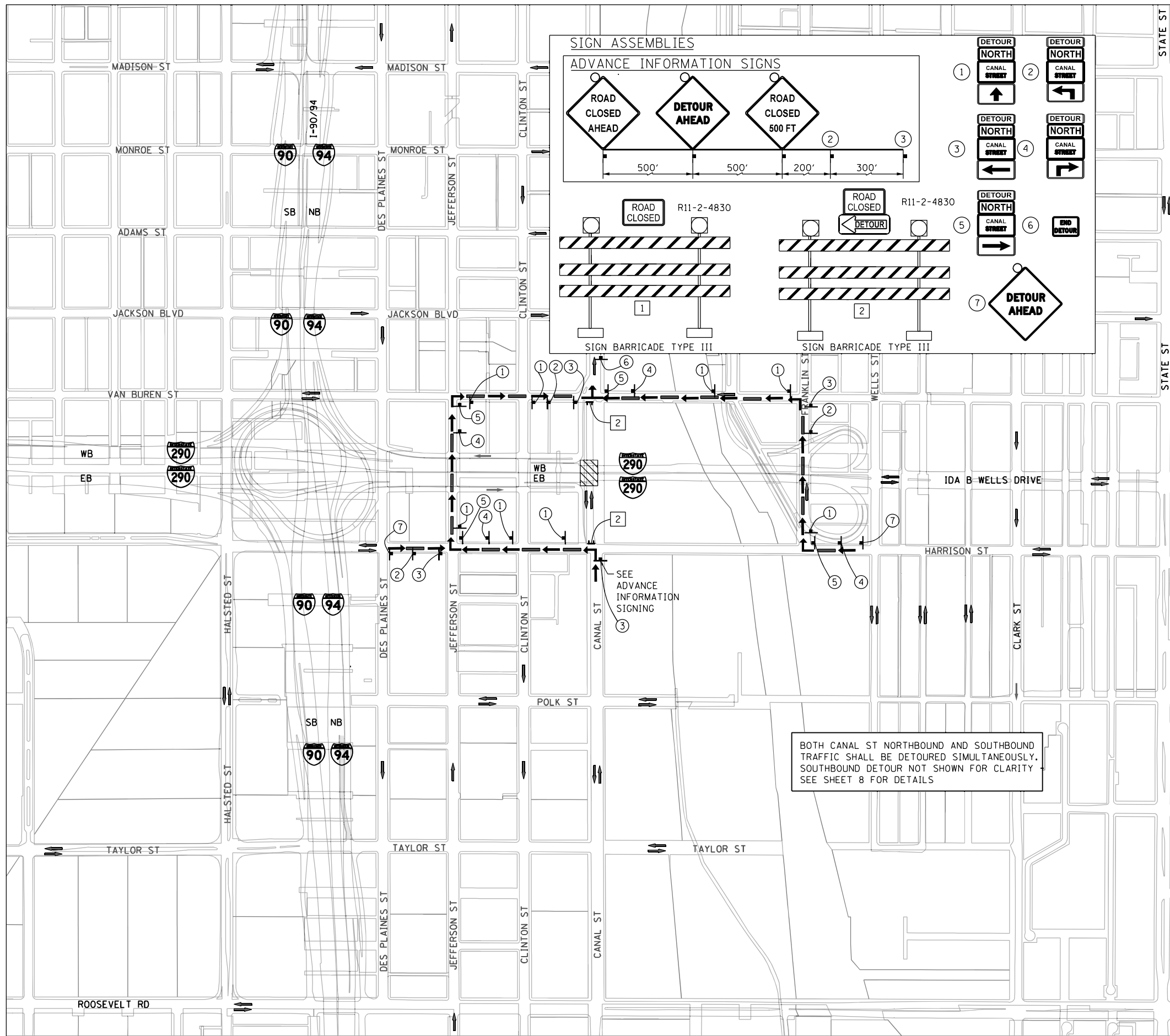
- M4-8A (24"x18")
- M5-1R-2115
- M6-1-2115
- M4-8-2412
- M6-1-2115
- M3-1-2412
- M5-1L-2115



- R11-2-4830
- CUSTOM SPECIAL - LOCAL ROAD BLACK LETTERS (MIN 4") ON WHITE BACKGROUND (24"x18")
- M4-10L-4818



BOTH CANAL ST NORTHBOUND AND SOUTHBOUND TRAFFIC SHALL BE DETOURED SIMULTANEOUSLY. SOUTHBOUND DETOUR NOT SHOWN FOR CLARITY SEE SHEET 8 FOR DETAILS



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| USER NAME = o1.1550           | DRAWN - AMI       | REVISED - |
| PLOT SCALE = 1200.0000' / in. | CHECKED - JMG     | REVISED - |
| PLOT DATE = 12/10/2021        | DATE - 12/10/2021 | REVISED - |

|                   |           |
|-------------------|-----------|
| DESIGNED - AMI    | REVISED - |
| DRAWN - AMI       | REVISED - |
| CHECKED - JMG     | REVISED - |
| DATE - 12/10/2021 | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

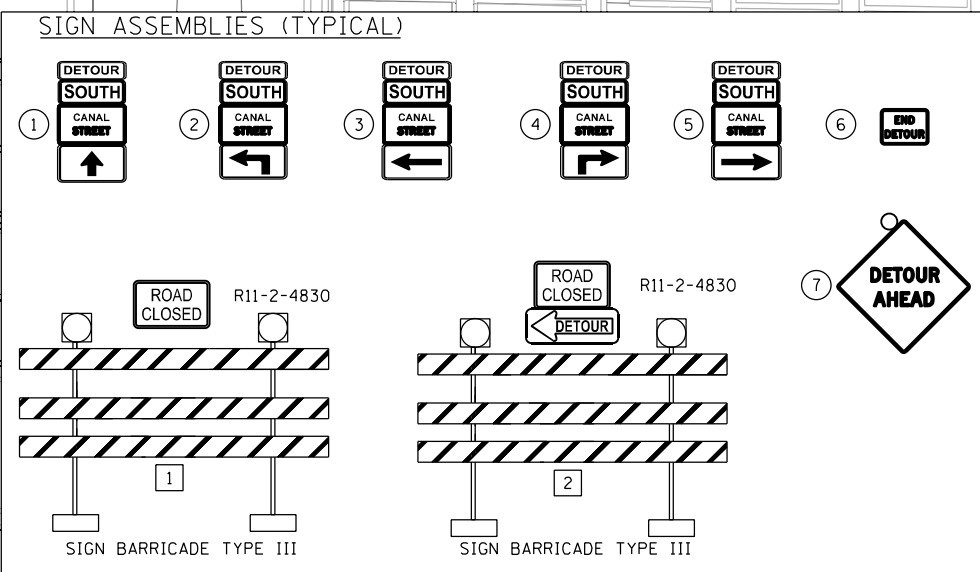
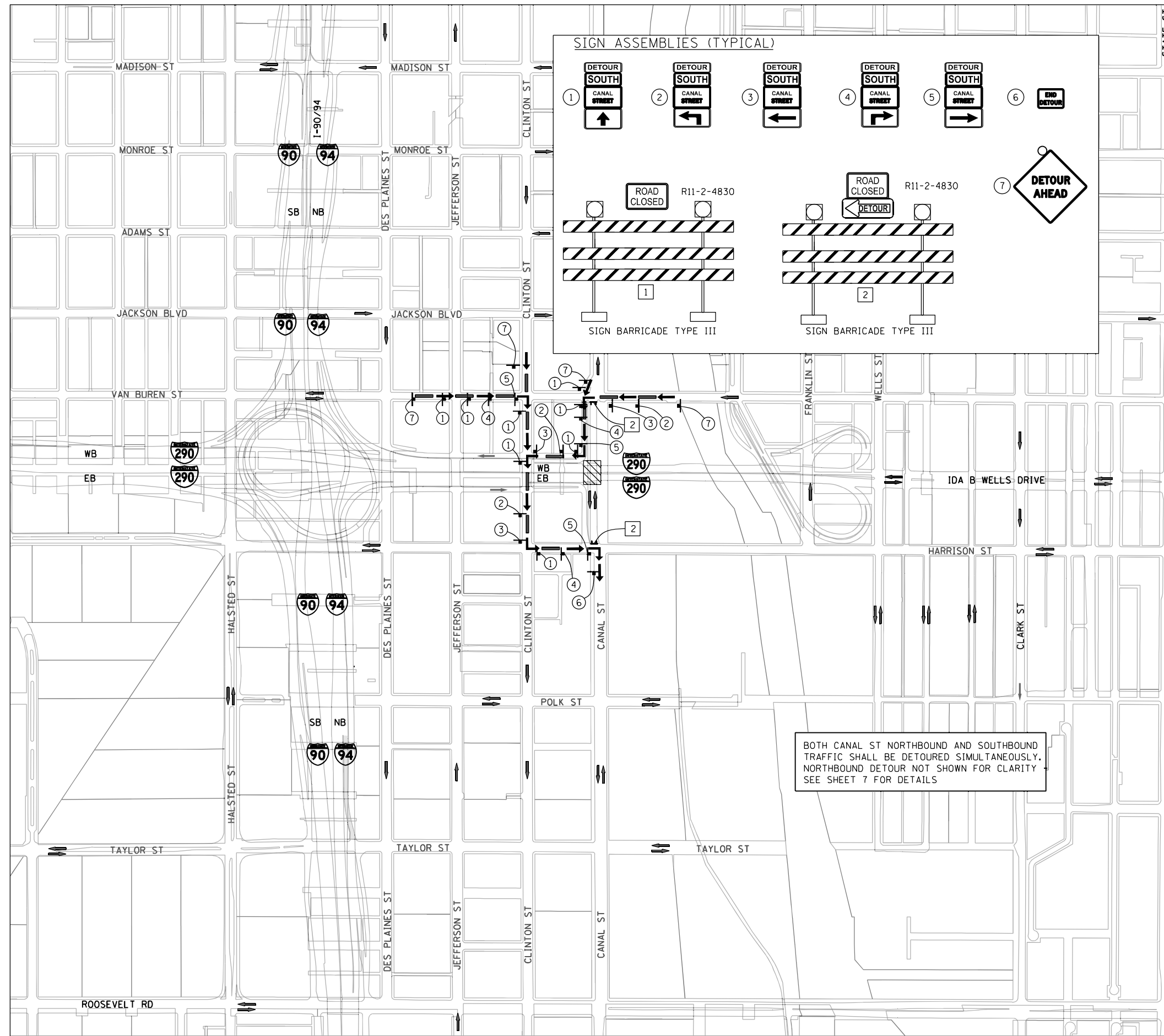
**DETOUR PLAN  
CANAL ST (SHEET 1 OF 2) - NORTHBOUND**

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

|                           |                    |             |                 |                    |
|---------------------------|--------------------|-------------|-----------------|--------------------|
| F.A.I. RTE. 90/94         | SECTION 2015-085BP | COUNTY COOK | TOTAL SHEETS 24 | SHEET NO. 7        |
|                           |                    |             |                 | CONTRACT NO. 62887 |
| ILLINOIS FED. AID PROJECT |                    |             |                 |                    |

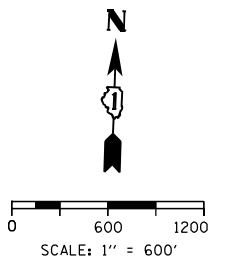
TRAFFIC CONTROL NOTES

1. FOR TRAFFIC CONTROL NOTES FOR CANAL ST., SEE SHEET 7.



LEGEND

- SUGGESTED PRIMARY ROUTE
- TWO-WAY STREET
- ONE-WAY STREET
- ROAD CLOSURE
- TEMPORARY SIGN
- EXISTING SIGN
- SIGN BARRICADE TYPE III



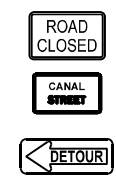
DETOUR SIGNS TYPE & SIZE

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

- M4-8A (24"x18")
- M5-1R-2115
- M6-1-2115
- M4-8-2412
- M6-1-2115
- M3-3-2412
- M5-1L-2115



BOTH CANAL ST NORTHBOUND AND SOUTHBOUND TRAFFIC SHALL BE DETOURED SIMULTANEOUSLY. NORTHBOUND DETOUR NOT SHOWN FOR CLARITY. SEE SHEET 7 FOR DETAILS



R11-2-4830  
 CUSTOM SPECIAL - LOCAL ROAD  
 BLACK LETTERS (MIN 4") ON WHITE  
 BACKGROUND (24"x18")  
 M4-10L-4818

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| USER NAME = o1.1550          | DRAWN - AMI       | REVISED - |
| PLOT SCALE = 1200.0000' / 1" | CHECKED - JMG     | REVISED - |
| PLOT DATE = 12/10/2021       | DATE - 12/10/2021 | REVISED - |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DETOUR PLAN  
 CANAL ST (SHEET 2 OF 2) - SOUTHBOUND

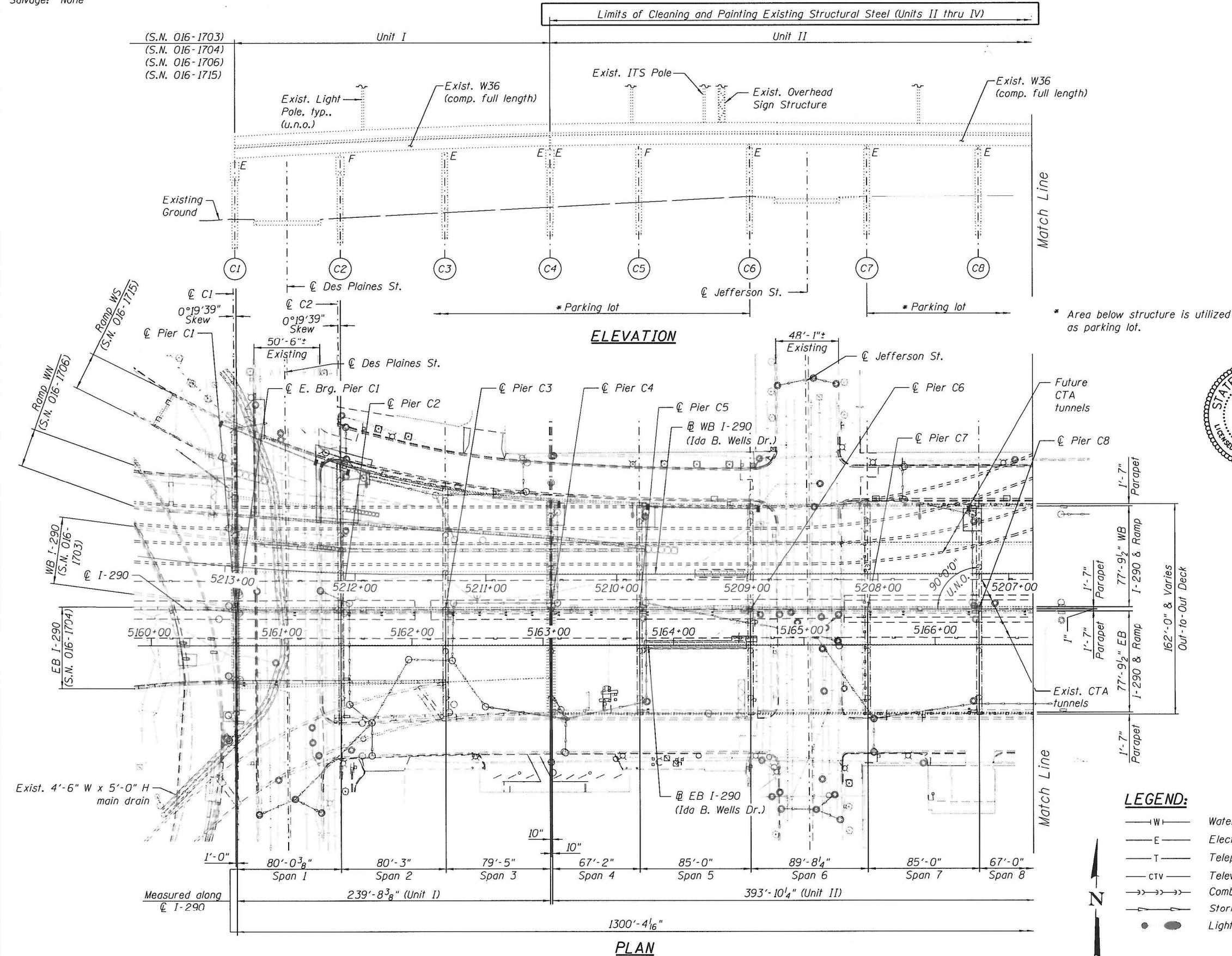
SCALE: SHEET 5 OF 5 SHEETS STA. TO STA.

|                           |                    |             |                 |                    |
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| F.A.I. RTE. 90/94         | SECTION 2015-085BP | COUNTY COOK | TOTAL SHEETS 24 | SHEET NO. 8        |
|                           |                    |             |                 | CONTRACT NO. 62887 |
| ILLINOIS FED. AID PROJECT |                    |             |                 |                    |



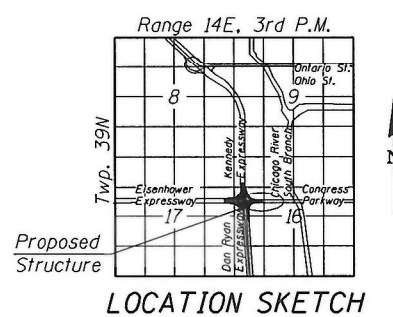
Existing Structure: S.N. 016-0461 was originally built in 1952 as F.A. Route Number 131, Section 062-2424.4. The existing structure consists of 16 main spans of multi-unit steel continuous multi-beam superstructures with additional entrance and exit ramp spans along Spans 12 and 13. The existing structure has an overall length of approximately 1301'-4" and an average out-to-out width of approximately 162'-0" for the main spans and 25'-0" for the ramp spans. The substructure units are founded on drilled shafts and consist of 17 multi-column piers. Portions of the existing bearings and superstructure are to be painted in Units II thru IV.

Salvage: None



SIGNED *Moussa A. Issa*  
 DR. MOUSSA A. ISSA, S.E., IL. LIC. NO. 081-005738  
 EXPIRES 11-30-2022  
 DATE 12/10/2021 FOR SHEETS S-01 THRU S-10 (TOTAL OF 10 SHEETS)

FOR INFORMATION ONLY  
 EXCEPT FOR BOXED NOTES



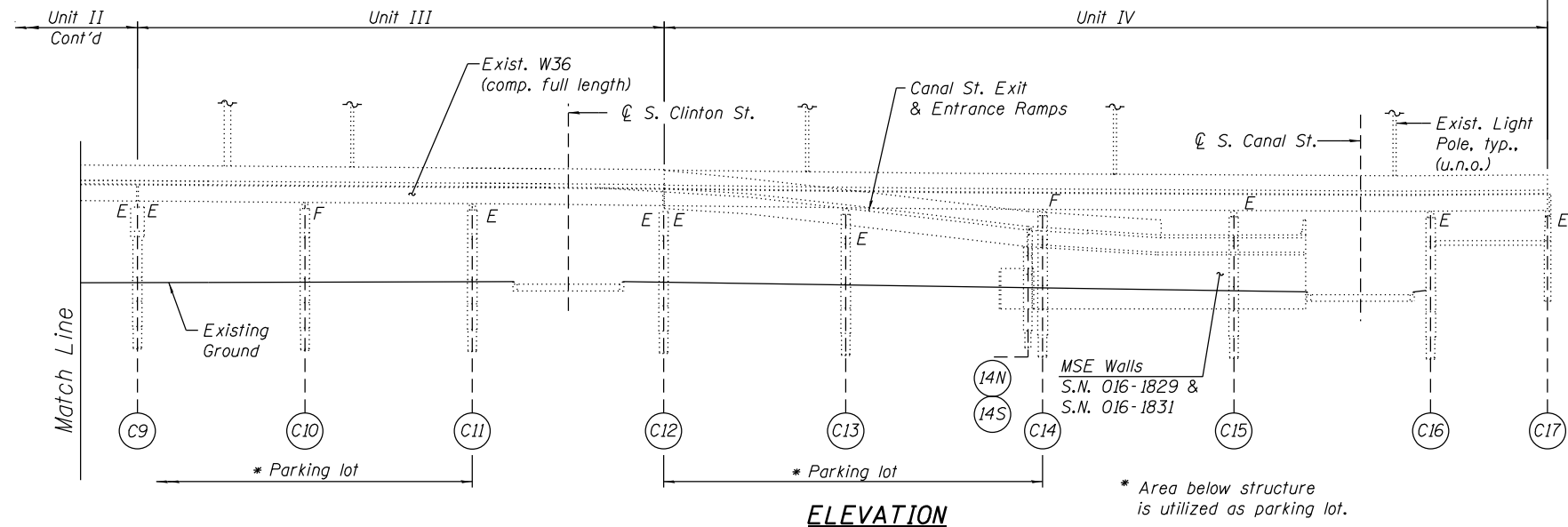
**GENERAL PLAN & ELEVATION - SHEET 1 OF 2**  
**I-290 (IDA B. WELLS DR.) OVER**  
**DES PLAINES ST. TO CANAL ST.**  
**F.A.I. ROUTE 290**  
**SECTION 2015-085BP**  
**COOK COUNTY**  
**STATION 5165+03.09**  
**STRUCTURE NO. 016-0461**

FILE NAME: p:\w\aecocom-np-pv\pventley.com\AECOM\_DS02\_IL\Documents\01\_Americas\Transportation\6026938\_CirclePhase\_IL000\_CAD\008\_Structural\Structure\_016-0461\Sheets\62B87\0160461-62B87-5001-CPE1

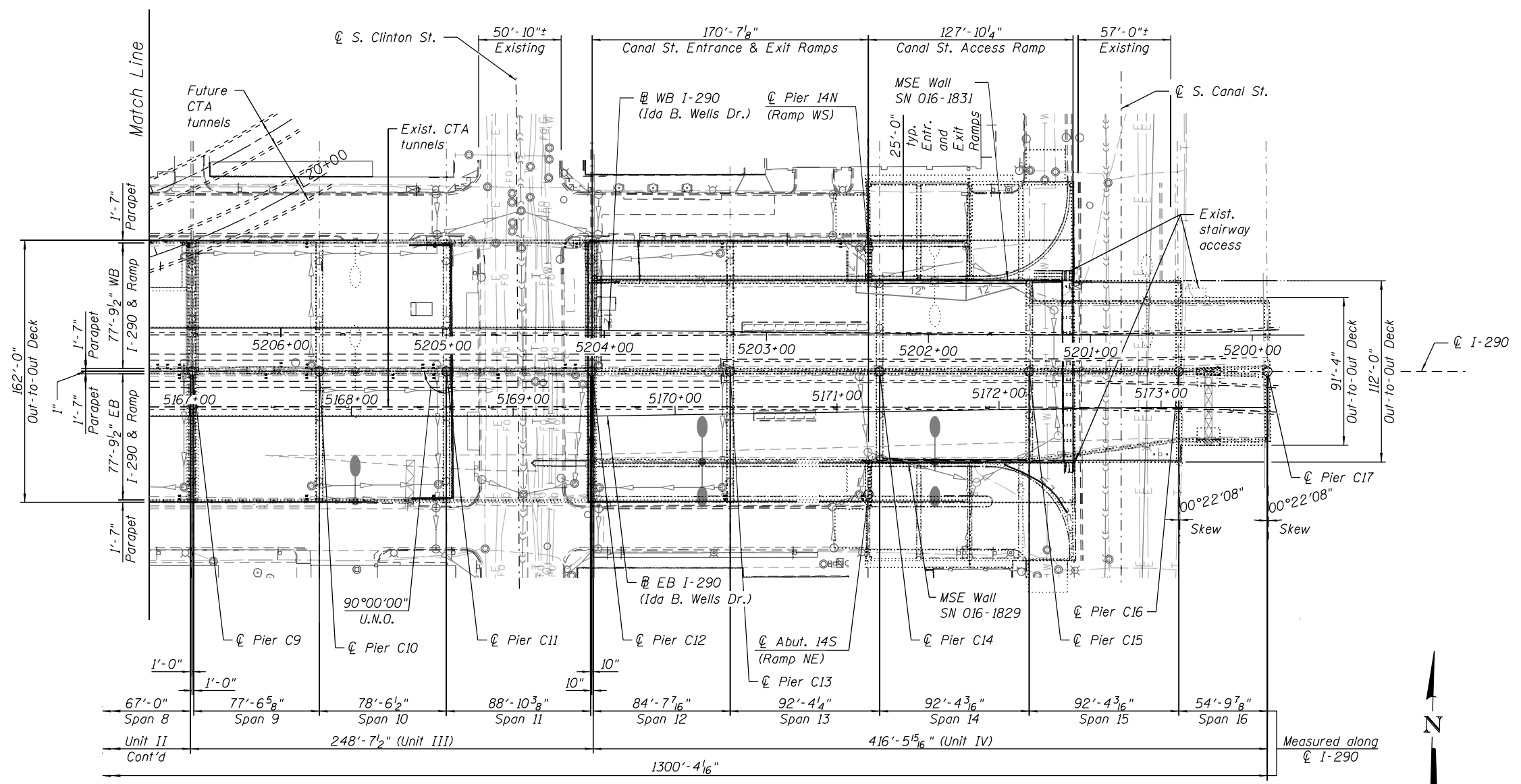
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|--|------------------------|-------------------|-----------|---|------------------------|---------------------------|----------------------|---------------|-------------------|---------------|
|  | USER NAME = all.issa   | DESIGNED - L/AB   | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | STRUCTURE NO. 016-0461 | F.A.I. RTE. = 90/94       | SECTION = 2015-085BP | COUNTY = COOK | TOTAL SHEETS = 24 | SHEET NO. = 9 |
|  | PLOT SCALE = N.T.S.    | CHECKED - MI, MAI | REVISED - |   |                        | SHEET NO. = 9             |                      |               |                   |               |
|  | PLOT DATE = 12/10/2021 | DRAWN - JMI       | REVISED - |   |                        | CONTRACT NO. 62B87        |                      |               |                   |               |
|  |                        | CHECKED - MI, MAI | REVISED - |   |                        | ILLINOIS FED. AID PROJECT |                      |               |                   |               |

Limits of Cleaning and Painting Existing Structural Steel (Units II thru IV)

- LEGEND:**
- W— Water Line
  - E— Electric
  - T— Telephone line
  - CTV— Television line
  - Combined Sewer
  - ▶▶▶ Storm Sewer
  - Light Standard



**ELEVATION**



**PLAN**

FOR INFORMATION ONLY  
EXCEPT FOR BOXED NOTES

**GENERAL PLAN & ELEVATION - SHEET 2 OF 2**  
**I-290 (IDA B. WELLS DR.) OVER**  
**DES PLAINES ST. TO CANAL ST.**  
**F.A.I. ROUTE 290**  
**SECTION 2015-085BP**  
**COOK COUNTY**  
**STATION 5165+03.09**  
**STRUCTURE NO. 016-0461**



FILE NAME: D:\vaecom-na-pw\berthley.com\AECOM\_D502\_NA\Documents\01\_Americas\Transportation\60269938\_CirclePhase\_IV\000\_CAD\008\_Structural\Structure\_016-0461\Sheets\62887-5002-GPE2



|              |            |            |         |           |  |
|--------------|------------|------------|---------|-----------|--|
| USER NAME =  | all.issa   | DESIGNED - | LAB     | REVISED - |  |
|              |            | CHECKED -  | MI, MAI | REVISED - |  |
| PLOT SCALE = | N.T.S      | DRAWN -    | JMI     | REVISED - |  |
| PLOT DATE =  | 12/10/2021 | CHECKED -  | MI, MAI | REVISED - |  |

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

**STRUCTURE NO. 016-0461**

SHEET NO. S-02 OF S-10 SHEETS

|                    |            |                  |              |           |
|--------------------|------------|------------------|--------------|-----------|
| F.A.I. RTE.        | SECTION    | COUNTY           | TOTAL SHEETS | SHEET NO. |
| 90/94              | 2015-085BP | COOK             | 24           | 10        |
| CONTRACT NO. 62887 |            |                  |              |           |
| ILLINOIS           |            | FED. AID PROJECT |              |           |

**GENERAL NOTES**

1. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

**PAINT NOTES**

- Cleaning and painting of the existing structural steel shall be as specified in the Special Provision for "Cleaning and Painting Existing Steel Structures".
- Unit I: No cleaning or painting is to be performed in Unit I. All ends of beams and diaphragms at Pier C4 (in Unit I) shall be protected during painting of adjacent steel in Unit II.
- Units II, III and IV: All beams, diaphragms, bearings and other structural steel in Units II, III and IV, except as noted below, shall be cleaned per Near White Blast Cleaning (SSPC-SP 10). All items such as, but not limited to, conduits, brackets and deck drains attached to the outside of the fascia beams shall be cleaned and painted.
- The existing diaphragm lines at Piers C9 and C12 are hot-dipped galvanized and shall not be cleaned or painted. The Contractor shall take appropriate precautions to protect the hot-dipped galvanized members during blasting operations.
- Any damage to the hot-dipped galvanized surfaces (including, but not limited to, diaphragms and associated connections at Piers C9 and C12 as well as bearings at locations where details are not specifically shown in these Plans) shall be repaired as per ASTM A780 at no additional cost to the Department.
- The designated areas cleaned per Near White Blast Cleaning (SSPC-SP 10) shall be painted according to the requirements of Paint System 1 - Organic Zinc-Rich Primer / Epoxy Intermediate Coat / Urethane Top Coat (OZ/E/U). The color of the final finish coat for all interior steel surfaces shall be Gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Warm Gray, Munsell No. 2.5Y 5/1.
- A minimum of four (4) air monitors will be required at each location to monitor abrasive blasting operations at this site. See Special Provision for "Containment and Disposal of Lead Paint Cleaning Residues".
- SSPC QP1 and SSPC QP2 Certification is required for this Contract.

**INDEX OF SHEETS**

- S-01 General Plan & Elevation - Sheet 1 of 2
- S-02 General Plan & Elevation - Sheet 2 of 2
- S-03 General Notes, Index of Sheets & Total Bill of Material
- S-04 Framing Plan - Unit II
- S-05 Sections & Details - Unit II
- S-06 Framing Plan - Unit III
- S-07 Sections & Details - Unit III
- S-08 Framing Plan - Unit IV
- S-09 Sections & Details - Unit IV (Sheet 1 of 2)
- S-10 Sections & Details - Unit IV (Sheet 2 of 2)

**TOTAL BILL OF MATERIAL**

| ITEM   | UNIT  | SUPER | SUB | TOTAL |
|--|-------|-------|-----|-------|
| Containment and Disposal of Lead Paint Cleaning Residues No. 1 | L.Sum | 1     | -   | 1     |
| Cleaning and Painting Steel Bridge No. 1                       | L.Sum | 1     | -   | 1     |

FILE NAME: P:\vaecom-na-pw\berkeley.com\AECOM\_D502\_NA\Documents\01\_Americas\Transportation\60269938\_CirclePhase\_I\0000\_CAD\008\_Structural\Structure\_016-0461\Sheets\62B87-5003-GEN



|                        |                   |           |
|------------------------|-------------------|-----------|
| USER NAME = ali.issa   | DESIGNED - JMI    | REVISED - |
|                        | CHECKED - MI, MAI | REVISED - |
| PLOT SCALE = N.T.S     | DRAWN - JMI       | REVISED - |
| PLOT DATE = 12/10/2021 | CHECKED - MI, MAI | REVISED - |

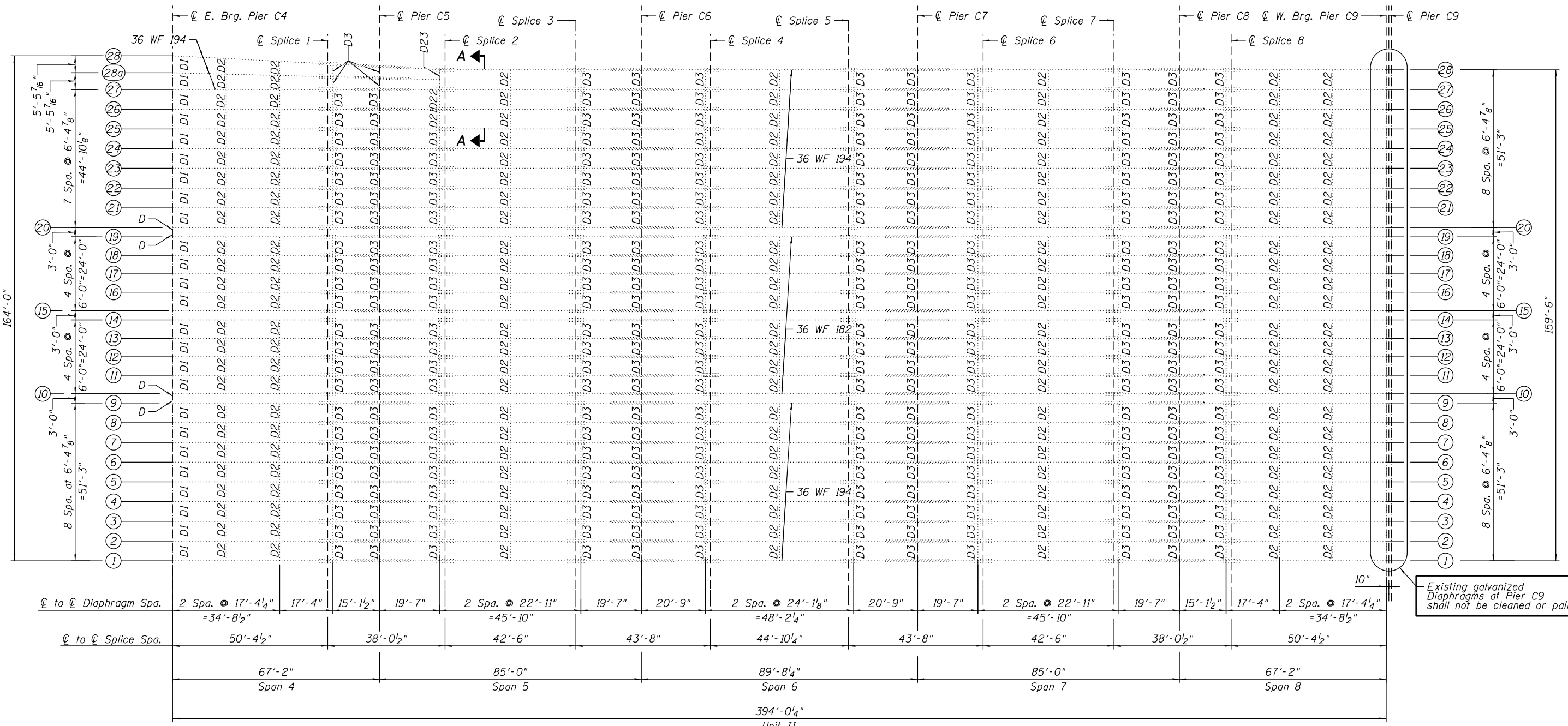
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES, INDEX OF SHEETS & TOTAL BILL OF MATERIAL  
STRUCTURE NO. 016-0461**

SHEET NO. S-03 OF S-10 SHEETS

| F.A.I. RTE.        | SECTION    | COUNTY   | TOTAL SHEETS     | SHEET NO. |
|--------------------|------------|----------|------------------|-----------|
| 90/94              | 2015-085BP | COOK     | 24               | 11        |
| CONTRACT NO. 62B87 |            |          |                  |           |
|                    |            | ILLINOIS | FED. AID PROJECT |           |

FILE NAME: D:\vaecom-na-pw\berkeley.com\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_CirclePhase\I000\_CAD\008\_Structural\Structure\_016-046\11Sheets\62B870160461-62B87-5004-FRM1



Existing galvanized Diaphragms at Pier C9 shall not be cleaned or painted

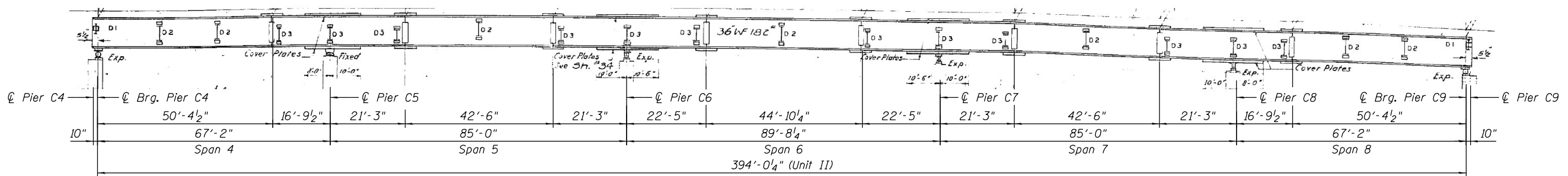
**NOTE:**

- For sections and details, see Sheet S-05.
- Bearings at locations not specifically shown on Sheet S-05 shall be masked off prior to painting and shall be protected during blasting operations.

**EXISTING FRAMING PLAN - UNIT II**

(Spans 4 thru 8)

**FOR INFORMATION ONLY  
EXCEPT FOR BOXED NOTE**



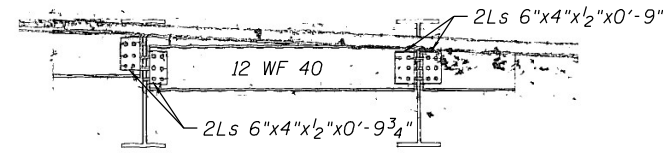
|              |            |            |         |           |  |
|--------------|------------|------------|---------|-----------|--|
| USER NAME =  | all.issa   | DESIGNED - | LAB     | REVISED - |  |
| CHECKED -    | MI, MAI    | CHECKED -  | MI, MAI | REVISED - |  |
| PLOT SCALE = | N.T.S      | DRAWN -    | FL      | REVISED - |  |
| PLOT DATE =  | 12/10/2021 | CHECKED -  | MI, MAI | REVISED - |  |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

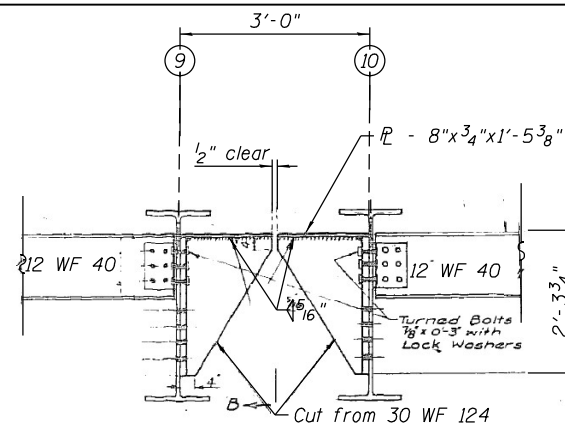
FRAMING PLAN - UNIT II  
STRUCTURE NO. 016-0461

SHEET NO. S-04 OF S-10 SHEETS

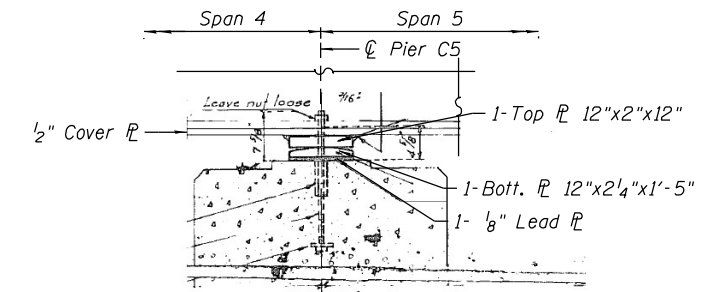
|                    |            |                  |              |           |
|--------------------|------------|------------------|--------------|-----------|
| F.A.I. RTE.        | SECTION    | COUNTY           | TOTAL SHEETS | SHEET NO. |
| 90/94              | 2015-085BP | COOK             | 24           | 12        |
| CONTRACT NO. 62B87 |            |                  |              |           |
| ILLINOIS           |            | FED. AID PROJECT |              |           |



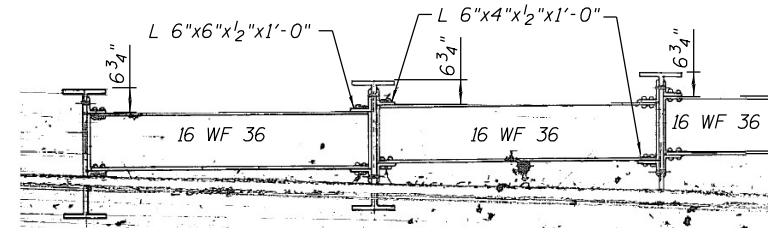
TYPICAL DETAIL OF DIAPHRAGM D1



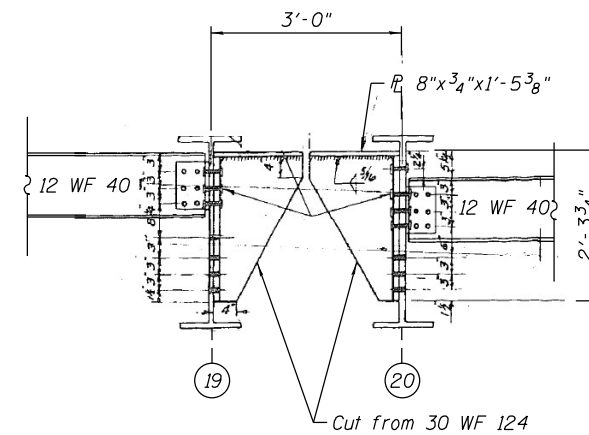
DETAIL OF BRACKET FOR EXPANSION DEVICE  
PIER C9 AND PIER C4 BETWEEN BEAMS 9 AND 10



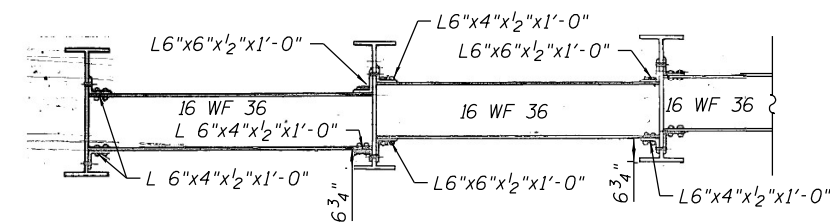
SECTION B-B  
PIER C5



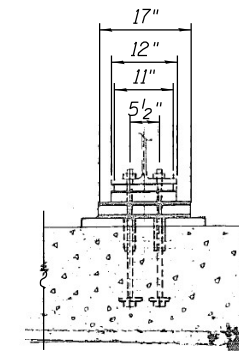
TYPICAL DETAIL OF DIAPHRAGM D2



DETAIL OF BRACKET FOR EXPANSION DEVICE  
PIER C4 BETWEEN BEAMS 19 AND 20

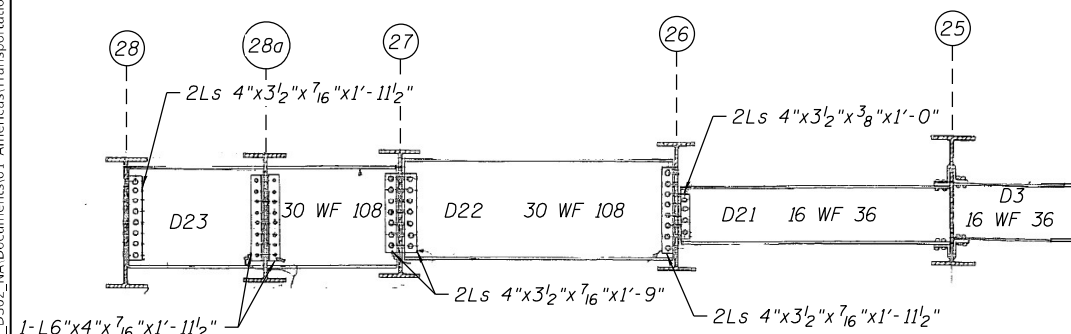


TYPICAL DETAIL OF DIAPHRAGM D3

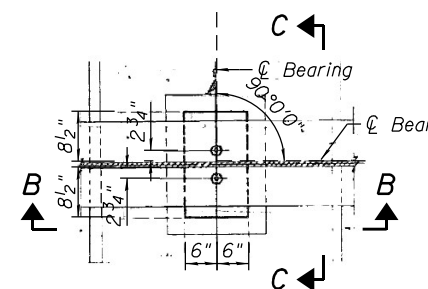


SECTION C-C  
PIER C5

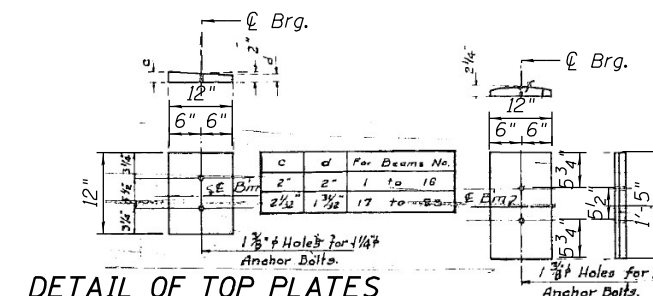
FOR INFORMATION ONLY



SECTION A-A



PLAN  
PIER C5



DETAIL OF TOP PLATES  
FOR PIER C5

DETAIL OF BOTTOM PLATES  
FOR PIER C5

FILE NAME: P:\vaecom-na-pw\berkeley.com\AECOM\_D502\_NA\Documents\01\_Americas\Transportation\60269938\_CirclePhase\_I\000\_CAD\008\_Structural\Structure\_016-046\11Sheets\62B87-5005-SECS&DETS\_UNIT II



|              |            |            |         |           |  |
|--------------|------------|------------|---------|-----------|--|
| USER NAME =  | all.issa   | DESIGNED - | MAA     | REVISED - |  |
|              |            | CHECKED -  | MI, MAI | REVISED - |  |
| PLOT SCALE = | N.T.S      | DRAWN -    | MAA     | REVISED - |  |
| PLOT DATE =  | 12/10/2021 | CHECKED -  | MI, MAI | REVISED - |  |

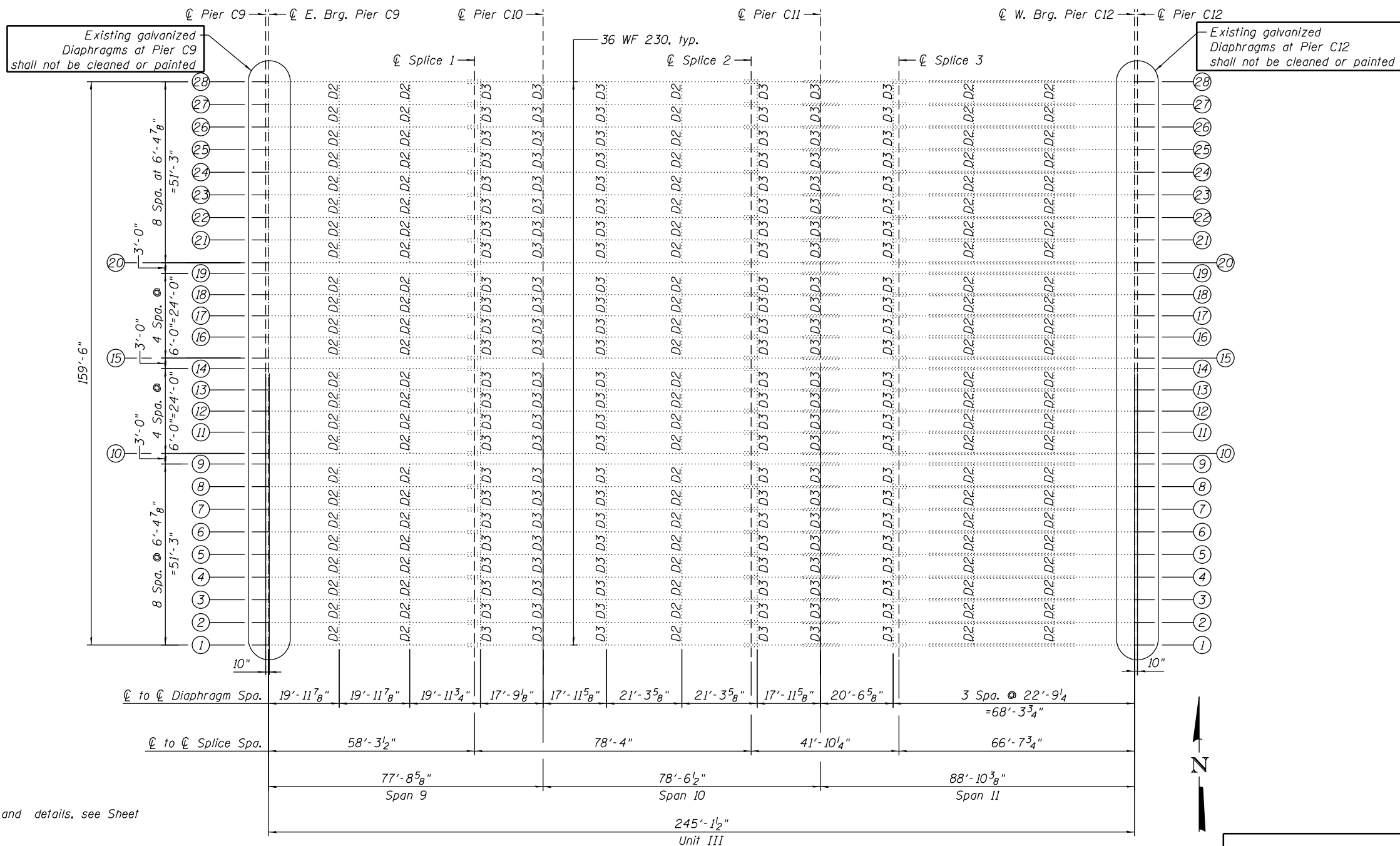
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SECTIONS & DETAILS - UNIT II  
STRUCTURE NO. 016-0461

SHEET NO. S-05 OF S-10 SHEETS

|                           |            |        |              |           |
|---------------------------|------------|--------|--------------|-----------|
| F.A.I. RTE.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90/94                     | 2015-085BP | COOK   | 24           | 13        |
| CONTRACT NO. 62B87        |            |        |              |           |
| ILLINOIS FED. AID PROJECT |            |        |              |           |

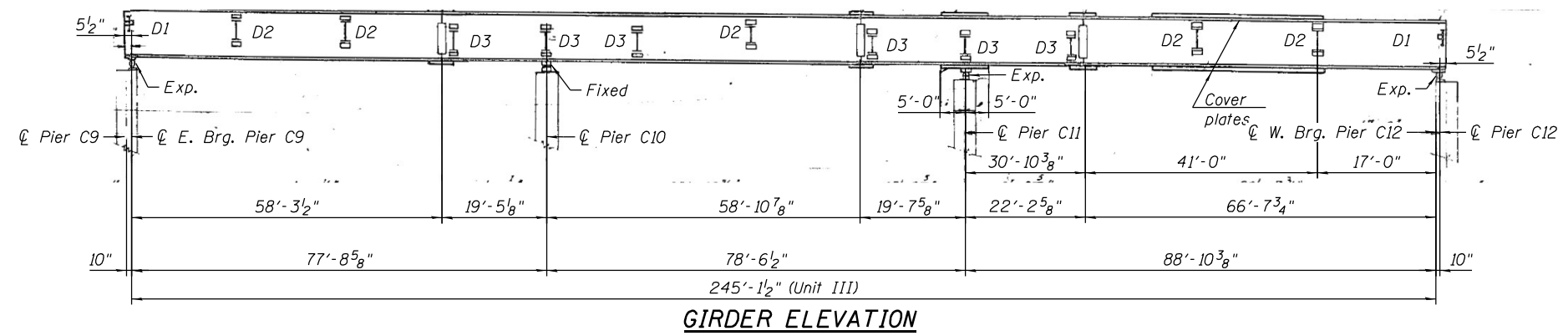
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**NOTES:**

1. For sections and details, see Sheet S-07.
2. Bearings at locations not specifically shown on Sheet S-07 shall be masked off prior to painting and shall be protected during blasting operations.

FOR INFORMATION ONLY  
EXCEPT FOR BOXED NOTES

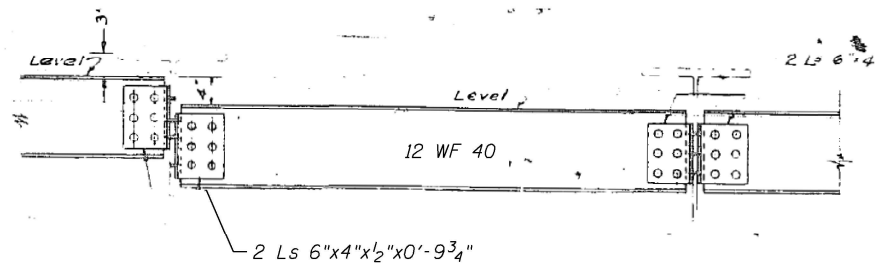


|              |            |             |         |           |  |
|--------------|------------|-------------|---------|-----------|--|
| USER NAME =  | all.issa   | DESIGNED -  | LAB     | REVISED - |  |
| CHECKED -    | MI, MAI    | REVISIONS - |         |           |  |
| PLOT SCALE = | N.T.S      | DRAWN -     | FL      | REVISED - |  |
| PLOT DATE =  | 12/10/2021 | CHECKED -   | MI, MAI | REVISED - |  |

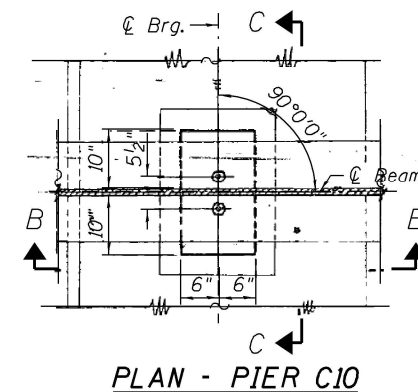
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN - UNIT III  
STRUCTURE NO. 016-0461

|                           |            |        |              |           |
|---------------------------|------------|--------|--------------|-----------|
| F.A.I. RTE.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90/94                     | 2015-085BP | COOK   | 24           | 14        |
| CONTRACT NO. 62887        |            |        |              |           |
| ILLINOIS FED. AID PROJECT |            |        |              |           |

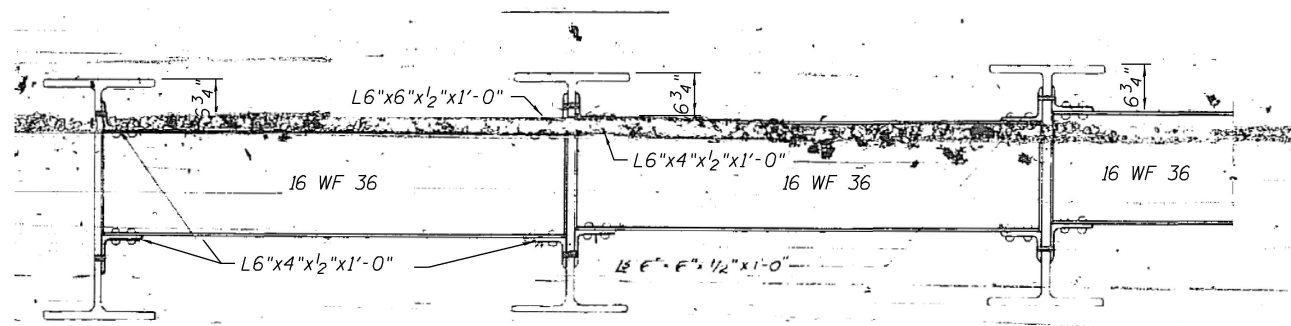


**ELEVATION - DIAPHRAGMS D1**

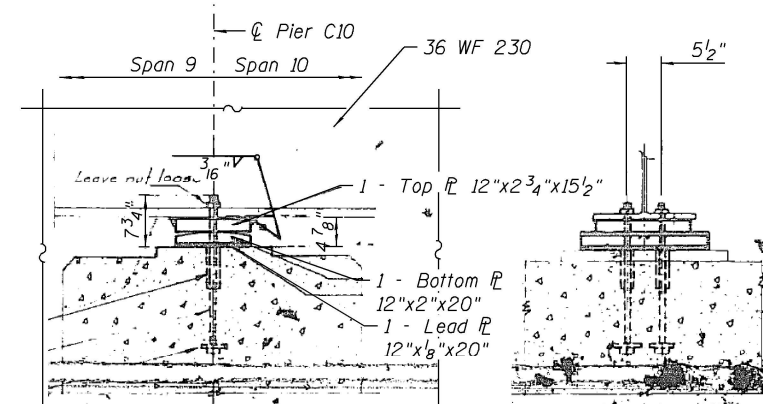


**PLAN - PIER C10**

FOR INFORMATION ONLY

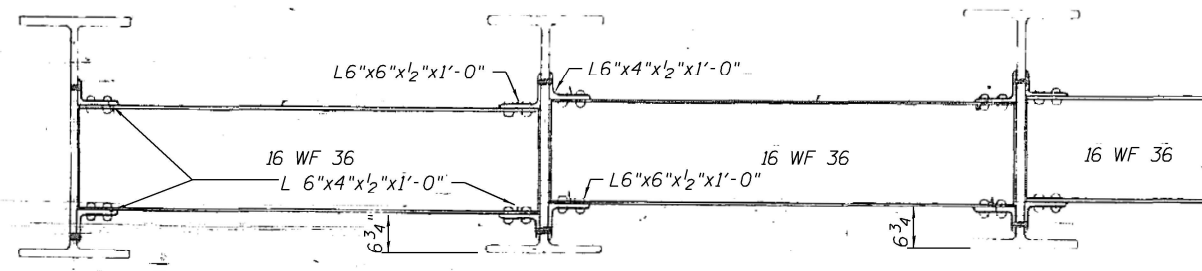


**TYPICAL DETAIL OF DIAPHRAGMS D2**

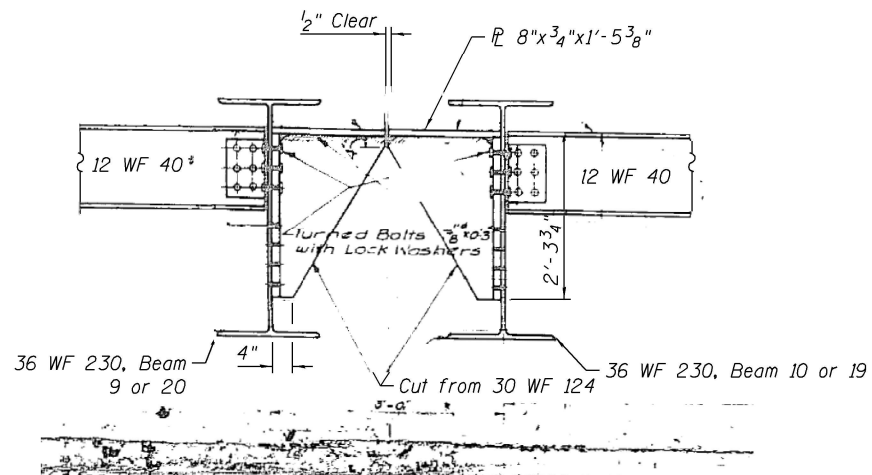


**SECTION B-B  
PIER C10**

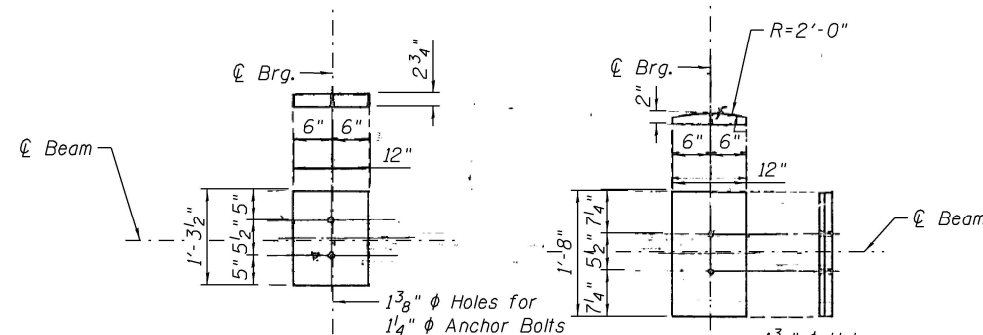
**SECTION C-C  
PIER C10**



**TYPICAL DETAIL OF DIAPHRAGMS D3**



**TYPICAL DETAIL OF BRACKET  
FOR EXPANSION DEVICE**



**DETAIL OF TOP  
PLATES - PIER C10**

**DETAIL OF BOTTOM  
PLATES - PIER C10**



|              |            |            |         |           |  |
|--------------|------------|------------|---------|-----------|--|
| USER NAME =  | all.issa   | DESIGNED - | JMI     | REVISED - |  |
|              |            | CHECKED -  | MI, MAI | REVISED - |  |
| PLOT SCALE = | N.T.S      | DRAWN -    | JMI     | REVISED - |  |
| PLOT DATE =  | 12/10/2021 | CHECKED -  | MI, MAI | REVISED - |  |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SECTIONS & DETAILS - UNIT III  
STRUCTURE NO. 016-0461

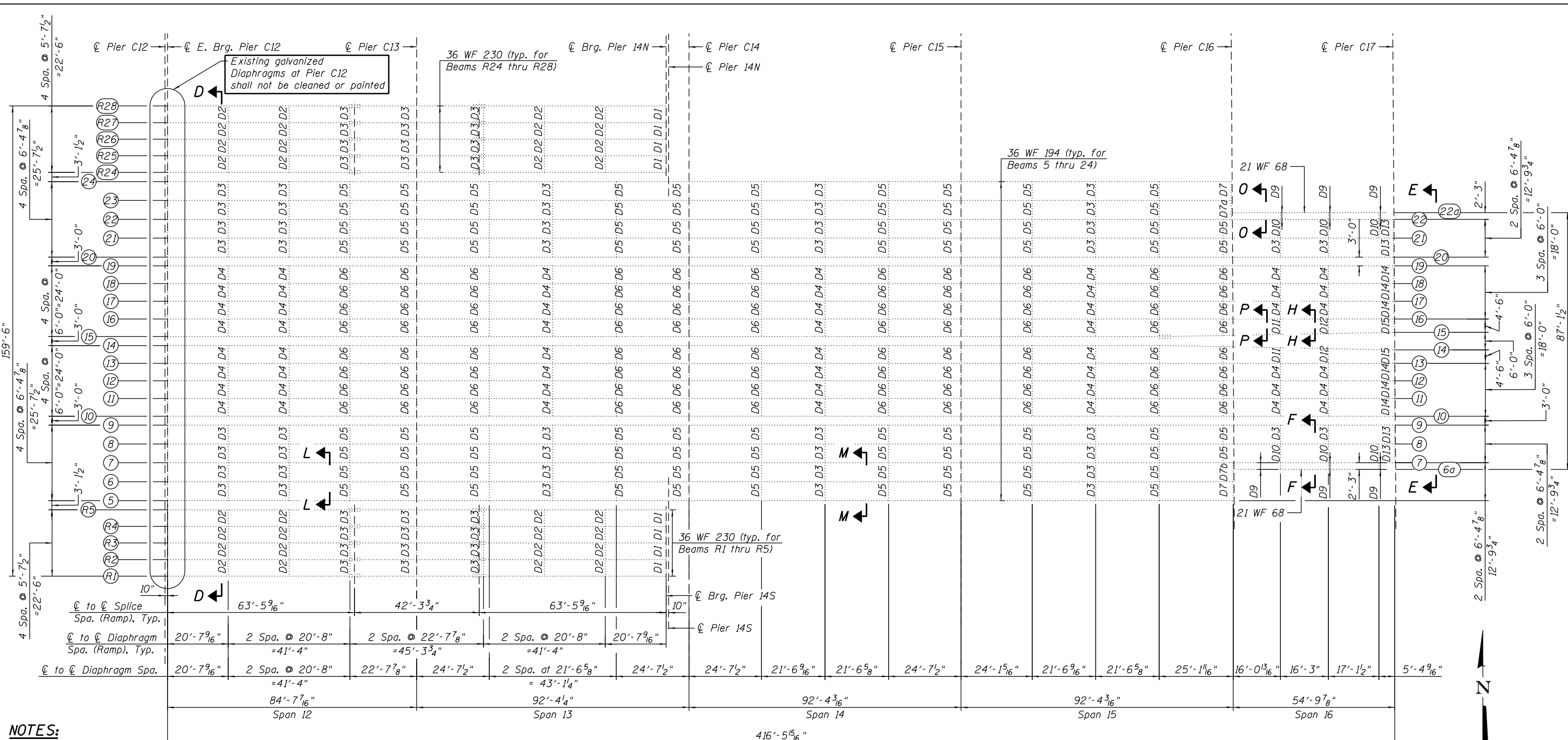
SHEET NO. S-07 OF S-10 SHEETS

|                    |            |        |              |           |
|--------------------|------------|--------|--------------|-----------|
| F.A.I. RTE.        | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90/94              | 2015-085BP | COOK   | 24           | 15        |
| CONTRACT NO. 62B87 |            |        |              |           |

ILLINOIS FED. AID PROJECT

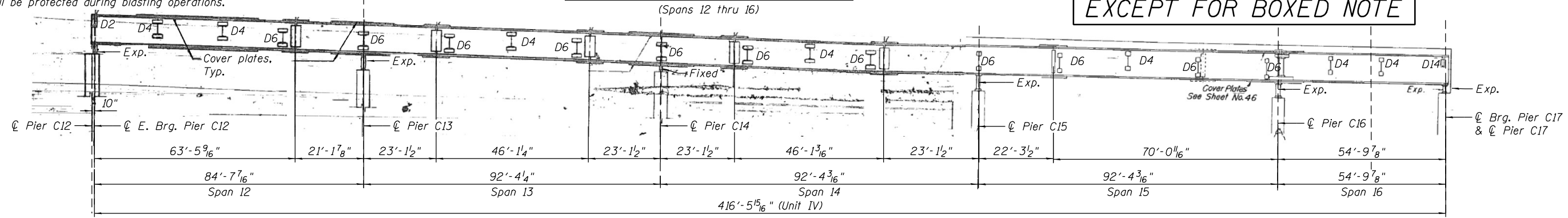
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- NOTES:**
- For sections and details, see Sheet S-09 and S-10 .
  - Bearings at locations not specifically shown on Sheets S-09 and S-10 shall be masked off prior to painting and shall be protected during blasting operations.

**EXISTING FRAMING PLAN - UNIT IV**  
(Spans 12 thru 16)



FOR INFORMATION ONLY  
EXCEPT FOR BOXED NOTE



|                        |                   |           |
|------------------------|-------------------|-----------|
| USER NAME = ali.issa   | DESIGNED - LAB    | REVISED - |
| CHECKED - MI, MAI      | REVISOR -         |           |
| PLOT SCALE = N.T.S     | DRAWN - FL        | REVISED - |
| PLOT DATE = 12/10/2021 | CHECKED - MI, MAI | REVISED - |

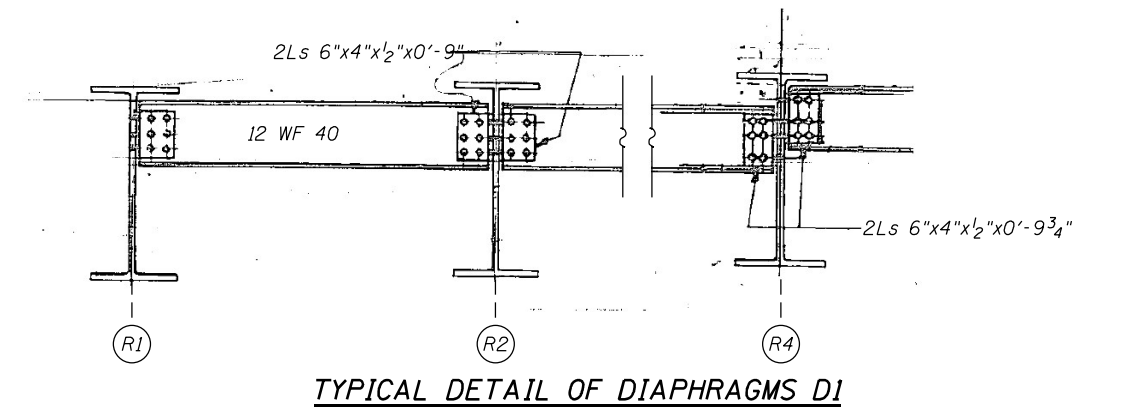
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FRAMING PLAN - UNIT IV  
STRUCTURE NO. 016-0461**

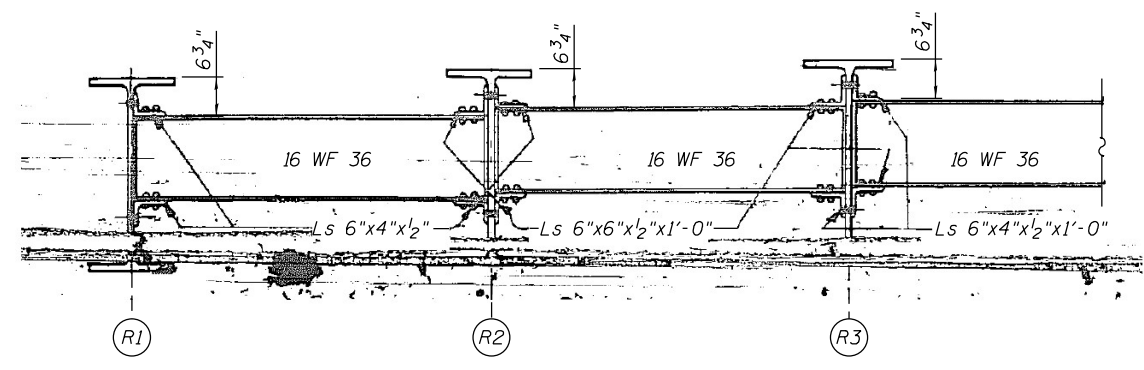
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|--------------------|------------|------------------|--------------|-----------|
| F.A.I. RTE.        | SECTION    | COUNTY           | TOTAL SHEETS | SHEET NO. |
| 90/94              | 2015-085BP | COOK             | 24           | 16        |
| CONTRACT NO. 62B87 |            |                  |              |           |
| ILLINOIS           |            | FED. AID PROJECT |              |           |



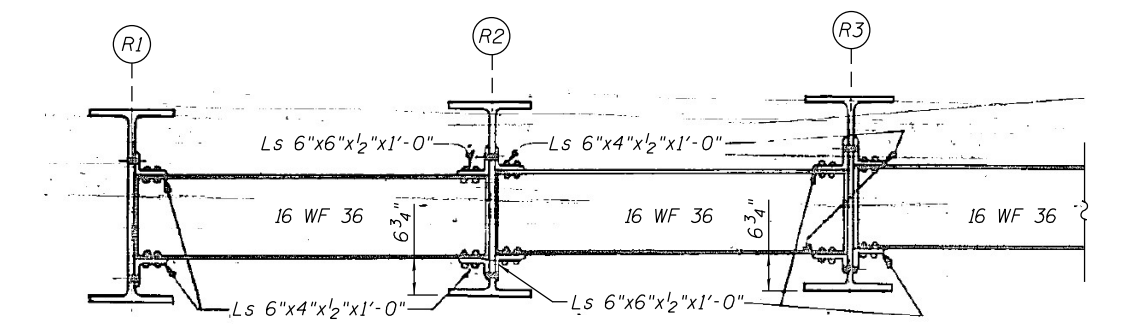
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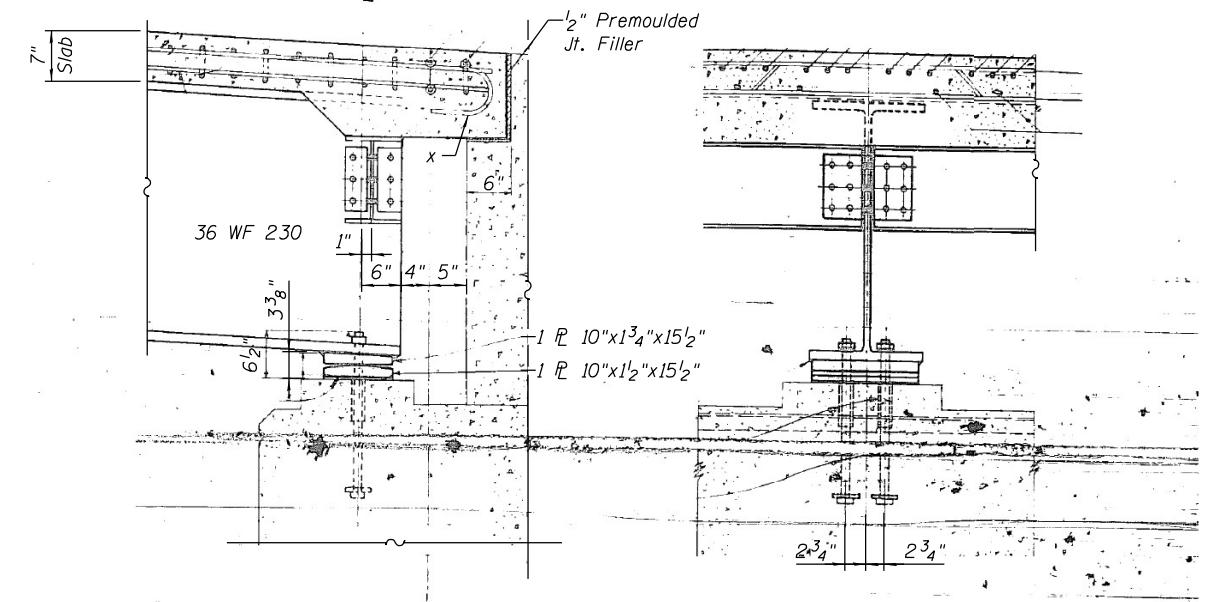
TYPICAL DETAIL OF DIAPHRAGMS D1



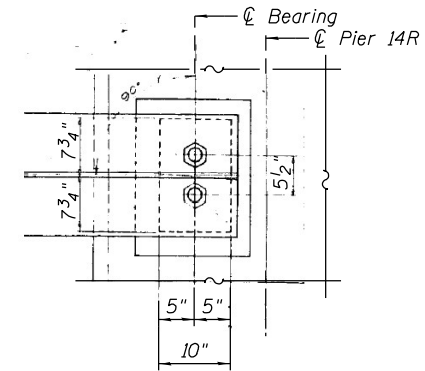
TYPICAL DETAIL OF DIAPHRAGMS D2



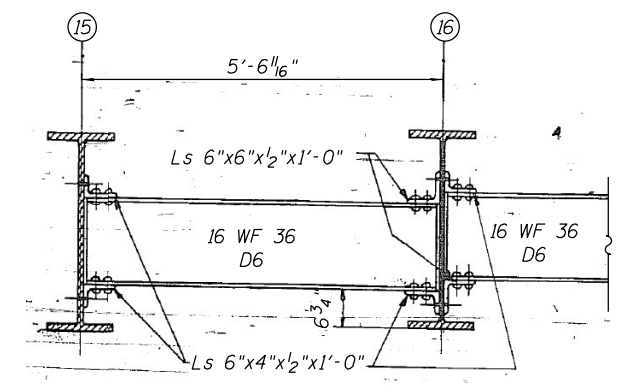
TYPICAL DETAIL OF DIAPHRAGMS D3



BEARING PLATES AT PIER NO. 14R

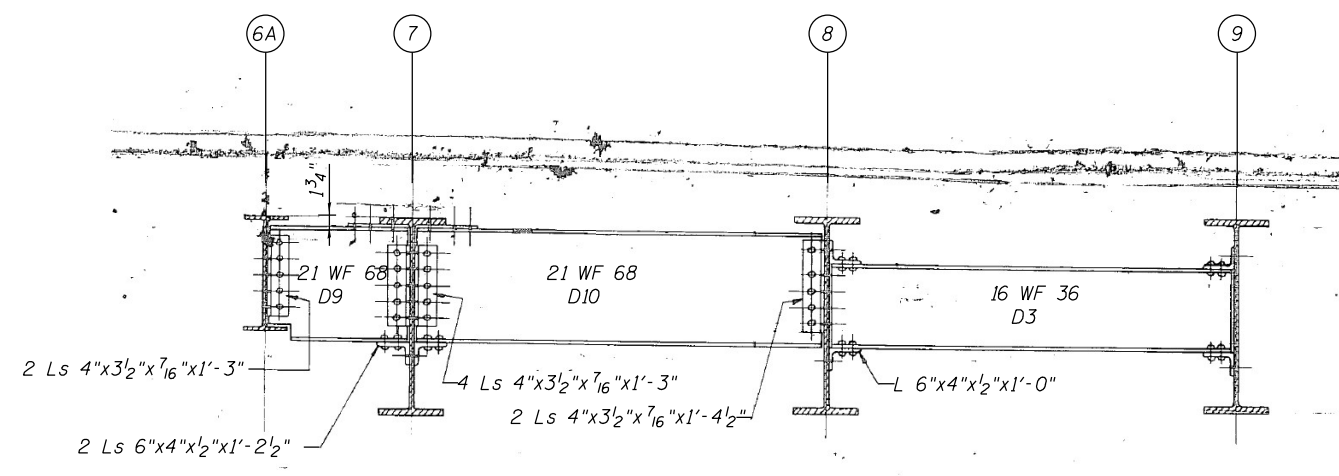


PIER NO. 14R PLAN

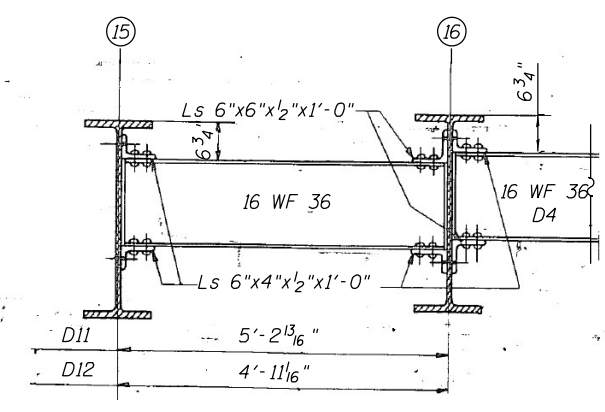


SECTION P-P

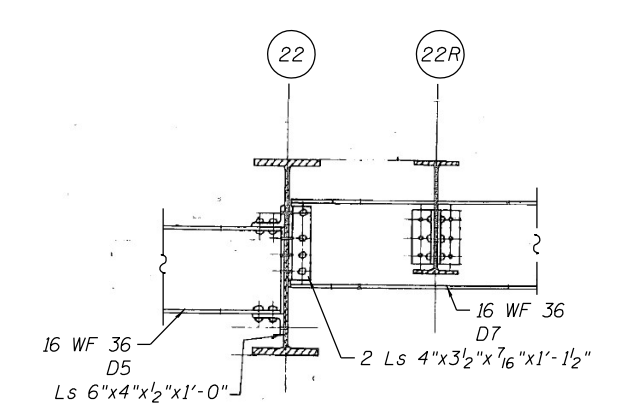
FOR INFORMATION ONLY



SECTION F-F



SECTION H-H



SECTION Q-Q



|                        |                   |           |
|------------------------|-------------------|-----------|
| USER NAME = ali.issa   | DESIGNED - AMS    | REVISED - |
| PLOT SCALE = N.T.S     | CHECKED - MI, MAI | REVISED - |
| PLOT DATE = 12/10/2021 | DRAWN - AMS       | REVISED - |
|                        | CHECKED - MI, MAI | REVISED - |

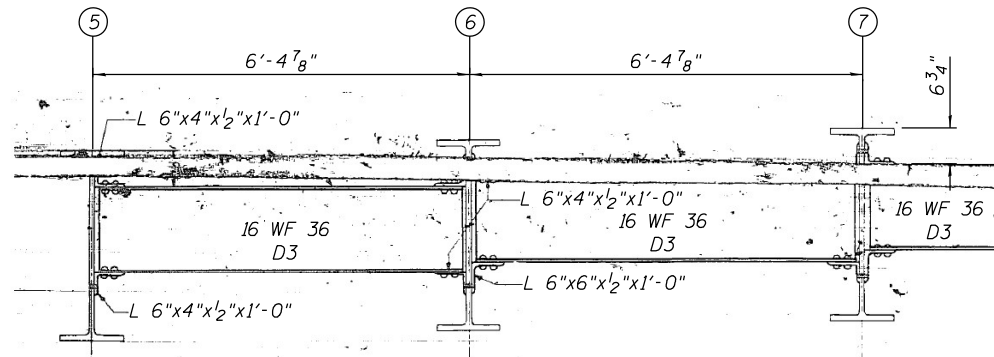
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SECTIONS & DETAILS - UNIT IV (SHEET 1 OF 2)  
STRUCTURE NO. 016-0461

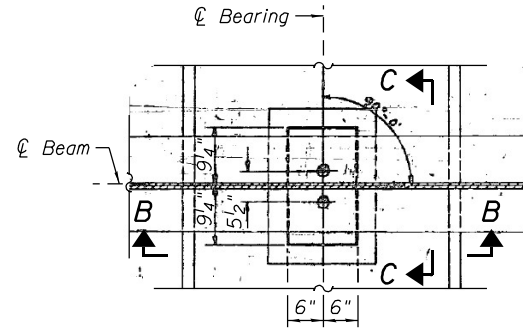
SHEET NO. S-09 OF S-10 SHEETS

|                           |            |        |              |           |
|---------------------------|------------|--------|--------------|-----------|
| F.A.I. RTE.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90/94                     | 2015-085BP | COOK   | 24           | 17        |
| CONTRACT NO. 62887        |            |        |              |           |
| ILLINOIS FED. AID PROJECT |            |        |              |           |

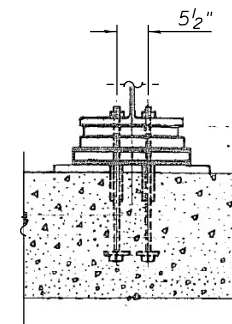
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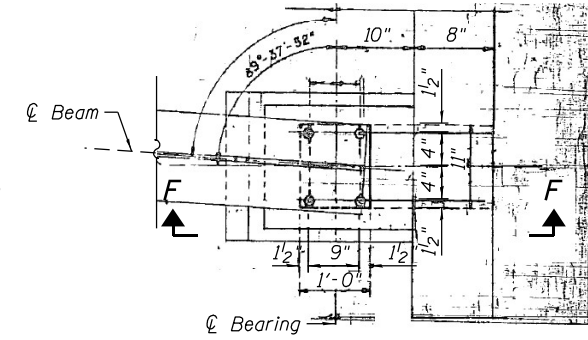
**SECTION L-L INTERMEDIATE DIAPHRAGMS**



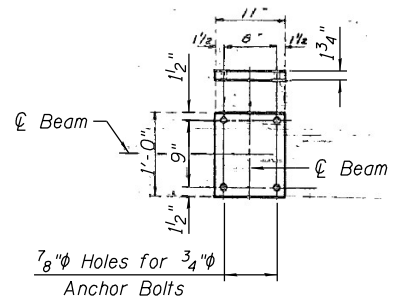
**PLAN PIER C14**



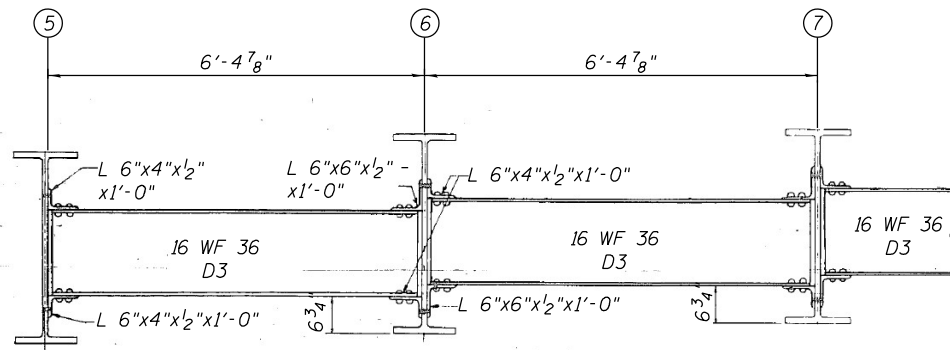
**SECTION C-C PIER C14**



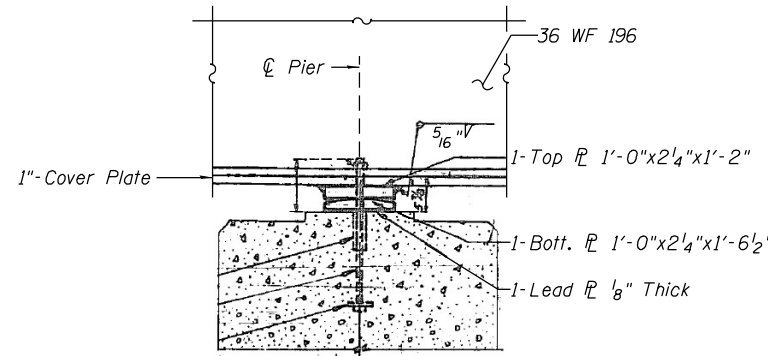
**PLAN PIER C17**



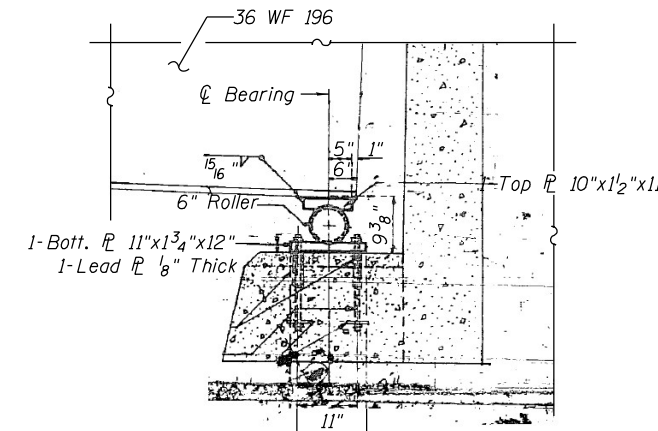
**DETAIL OF BOTTOM PLATES FOR PIER C17**



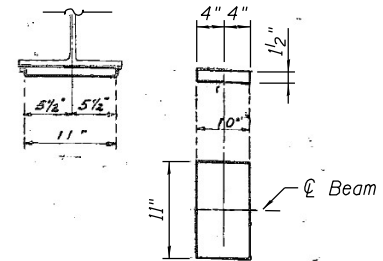
**SECTION M-M INTERMEDIATE DIAPHRAGMS**



**SECTION B-B PIER C14**

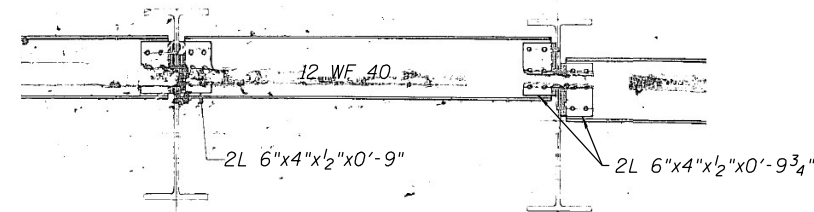


**SECTION F-F PIER C17**

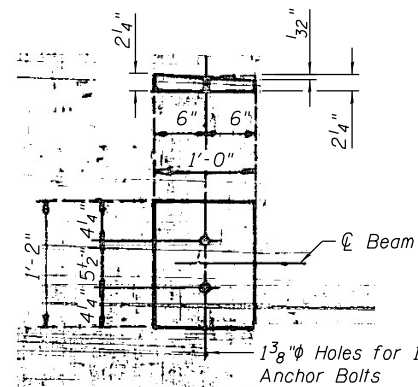


**DETAIL OF TOP PLATES FOR PIER C17**

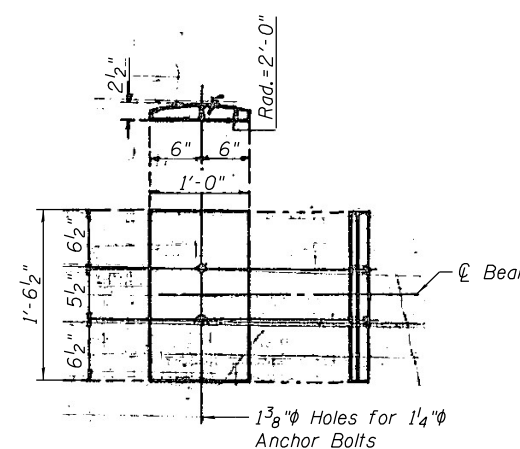
**FOR INFORMATION ONLY**



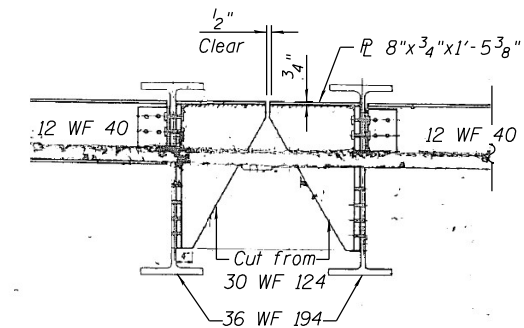
**SECTION E-E DIAPHRAGMS D13, D14 AND D5 - PIER 17  
SECTION D-D DIAPHRAGMS D1 AND D2 - PIER 12**



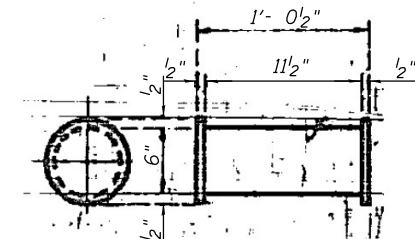
**DETAIL OF TOP PLATES FOR PIER C14**



**DETAIL OF BOTTOM PLATES FOR PIER C14**



**TYPICAL DETAIL OF BRACKET FOR EXPANSION DEVICE**



**DETAIL OF ROLLERS FOR PIER C17**



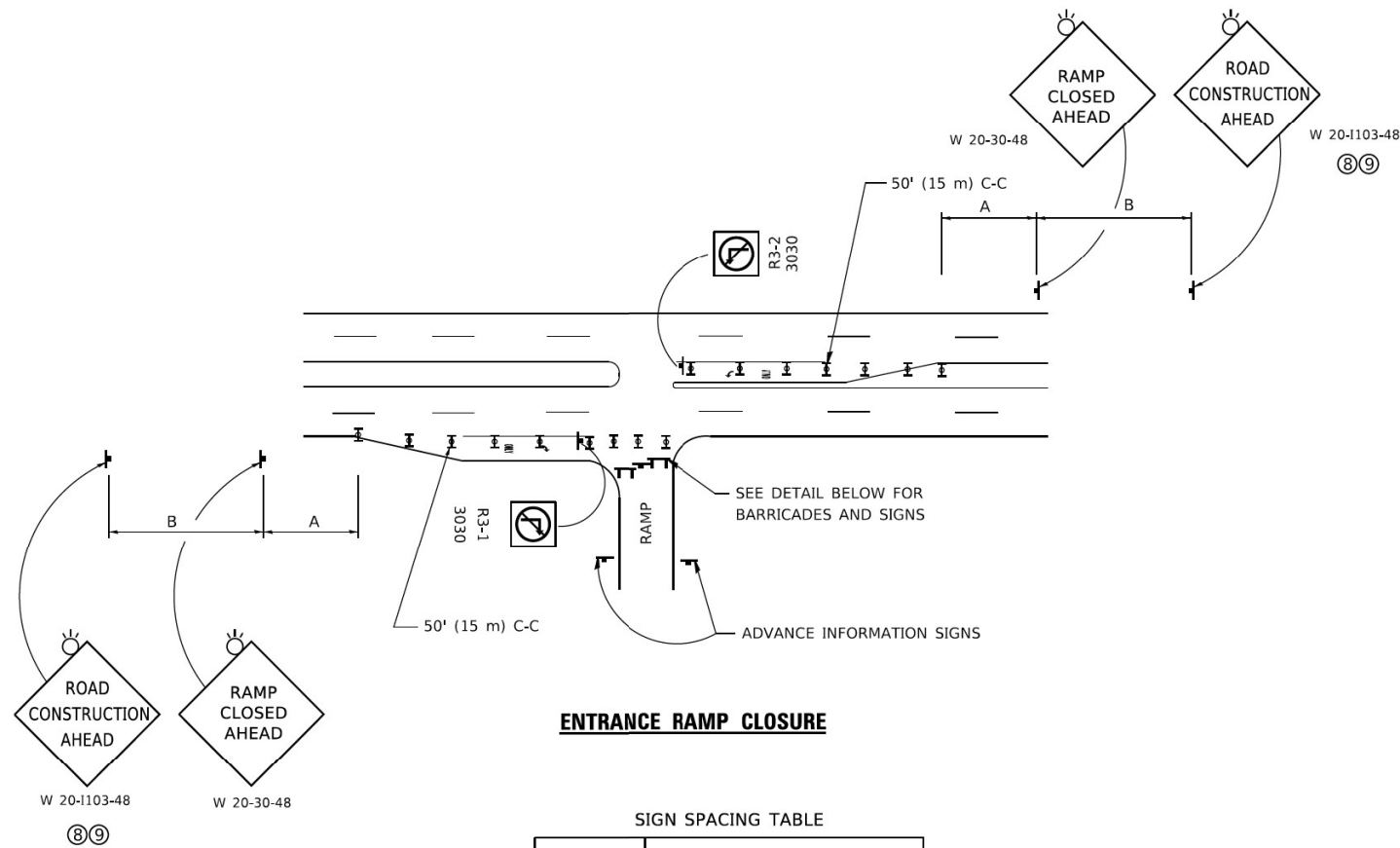
|              |            |            |         |           |  |
|--------------|------------|------------|---------|-----------|--|
| USER NAME =  | all.issa   | DESIGNED - | AMS     | REVISED - |  |
| CHECKED -    | MI, MAI    | CHECKED -  | MI, MAI | REVISED - |  |
| PLOT SCALE = | N.T.S      | DRAWN -    | AMS     | REVISED - |  |
| PLOT DATE =  | 12/10/2021 | CHECKED -  | MI, MAI | REVISED - |  |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SECTIONS & DETAILS - UNIT IV (SHEET 2 OF 2)  
STRUCTURE NO. 016-0461**

SHEET NO. S-10 OF S-10 SHEETS

|             |            |                           |                    |           |
|-------------|------------|---------------------------|--------------------|-----------|
| F.A.I. RTE. | SECTION    | COUNTY                    | TOTAL SHEETS       | SHEET NO. |
| 90/94       | 2015-085BP | COOK                      | 24                 | 18        |
|             |            |                           | CONTRACT NO. 62887 |           |
|             |            | ILLINOIS FED. AID PROJECT |                    |           |

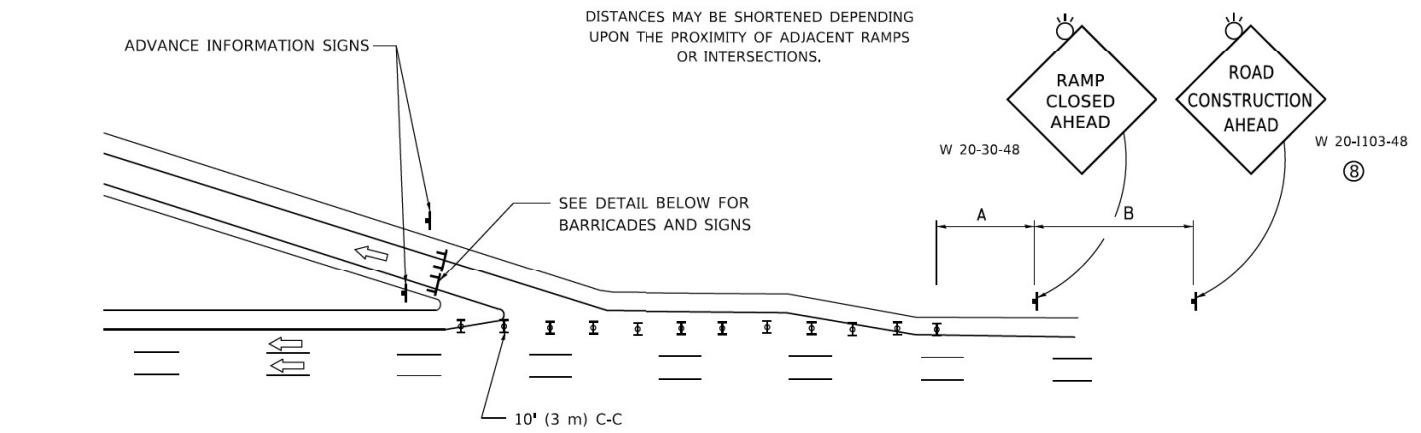


**ENTRANCE RAMP CLOSURE**

**SIGN SPACING TABLE**

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

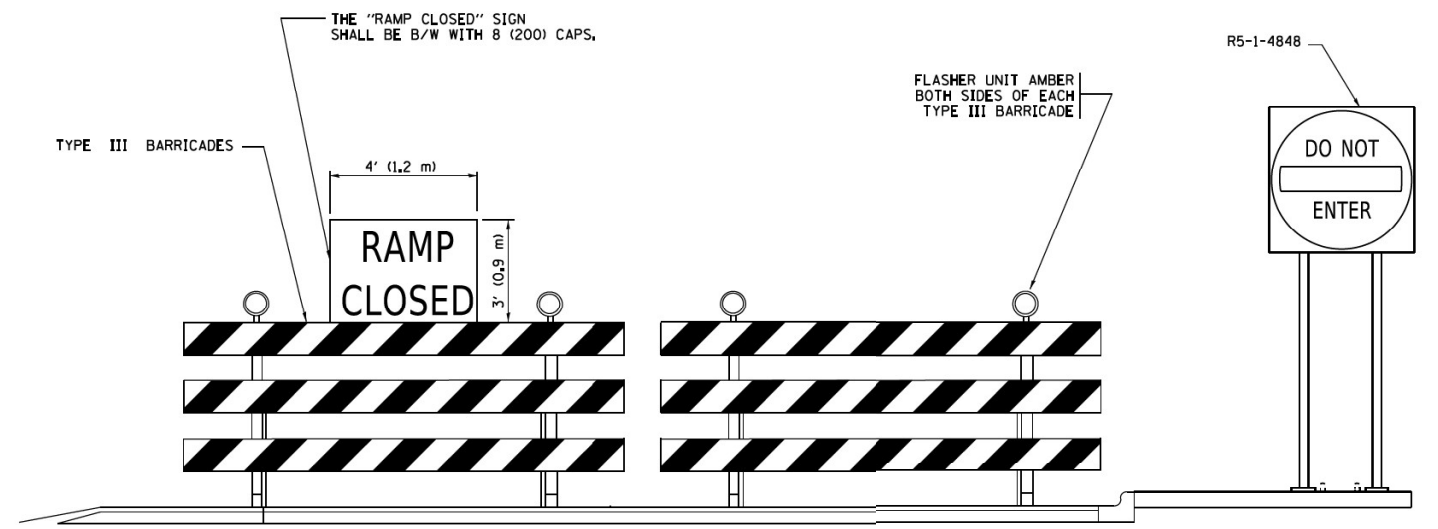
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



**EXIT RAMP CLOSURE**

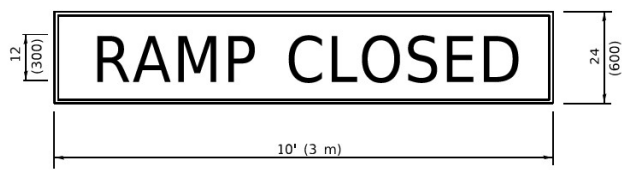
**SYMBOLS**

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



**DETAIL FOR REQUIRED BARRICADES & SIGNS**

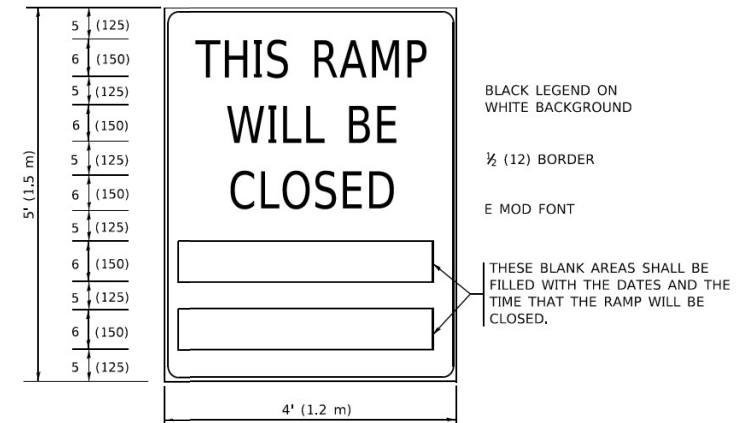
**RAMP CLOSURE ADVANCE WARNING SIGN**



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY  
E MOD FONT  
1 (25) BORDER

THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

**RAMP CLOSURE ADVANCE INFORMATION SIGN**



BLACK LEGEND ON WHITE BACKGROUND

1/2 (12) BORDER

E MOD FONT

THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

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

THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

**GENERAL NOTES:**

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

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

MODEL: Default  
FILE: \\miller\paul\BID\BID\ITEG\Illinois\pwr\WID\DOT\Documents\1\DOT - Office\Bldg\1\Projects\Sub\4514272\24\CADD\01\CAD\sheet1.c08.dgn

|                             |                        |                        |
|-----------------------------|------------------------|------------------------|
| USER NAME = footemj         | DESIGNED - D.W.S.      | REVISED - S.P.B._01-07 |
| DRAWN -                     | REVISED - S.P.B._12-09 |                        |
| PLOT SCALE = 50.0000" / in. | CHECKED -              | REVISED - M.D._06-13   |
| PLOT DATE = 3/4/2019        | DATE - 02-83           | REVISED - M.D._01-18   |

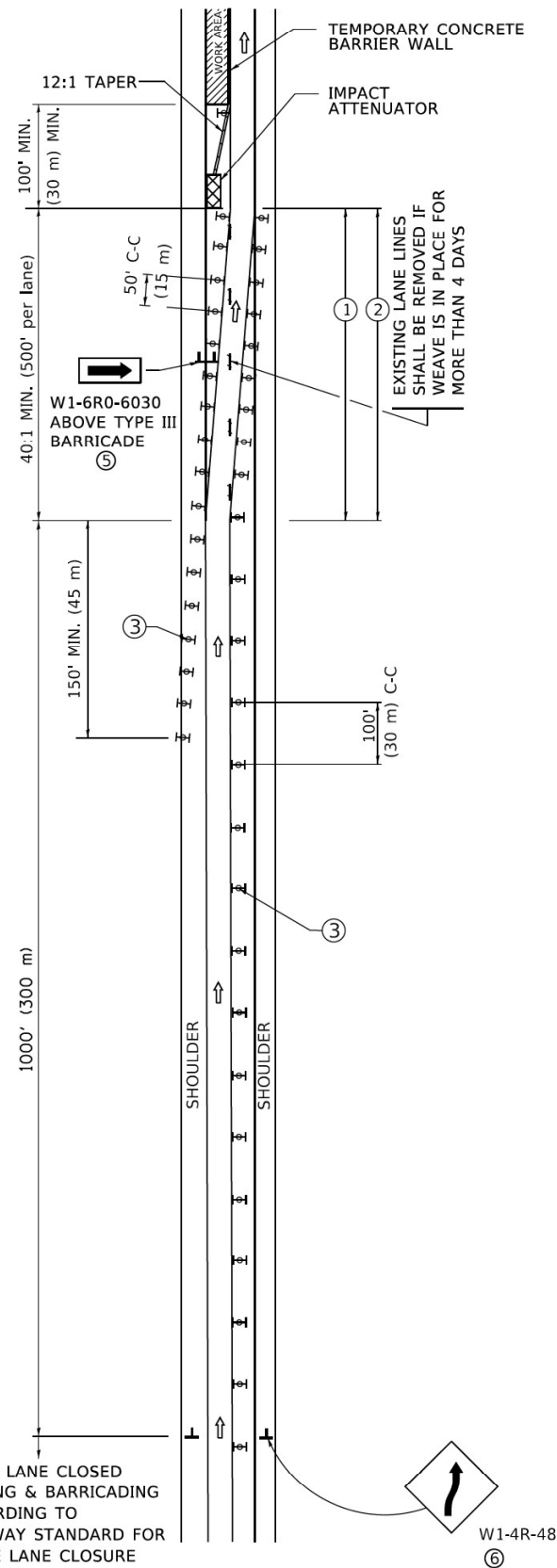
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP  
CLOSURE DETAILS**

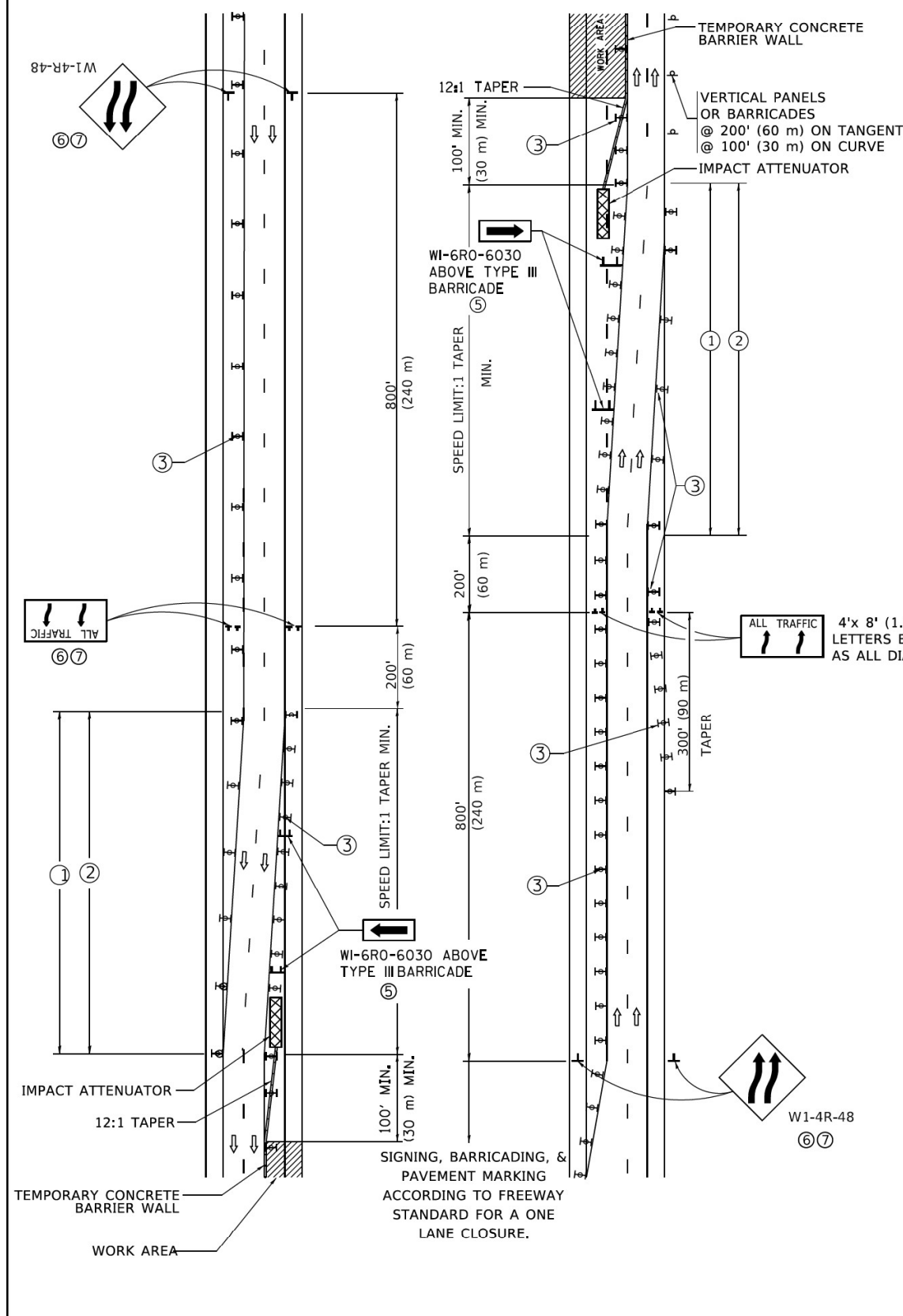
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

|              |            |                    |              |           |
|--------------|------------|--------------------|--------------|-----------|
| F.A. I RTE.  | SECTION    | COUNTY             | TOTAL SHEETS | SHEET NO. |
| 90/94        | 2015-085BP | COOK               | 24           | 19        |
| <b>TC-08</b> |            | CONTRACT NO. 62B87 |              |           |
| ILLINOIS     |            | FED. AID PROJECT   |              |           |

# SINGLE LANE WEAVE

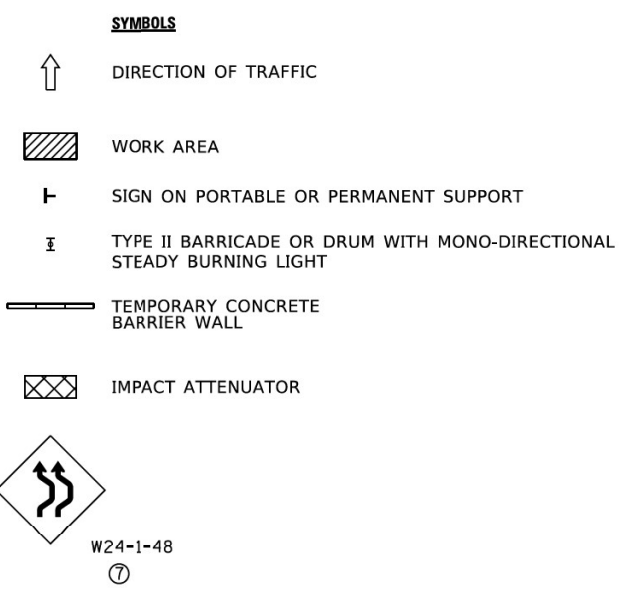


# MULTI-LANE WEAVE



### GENERAL NOTES:

- ① EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS 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 WEAVES LANE LINES SHALL BE 5 INCH, 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 TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- ⑥ WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- ⑦ THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.



ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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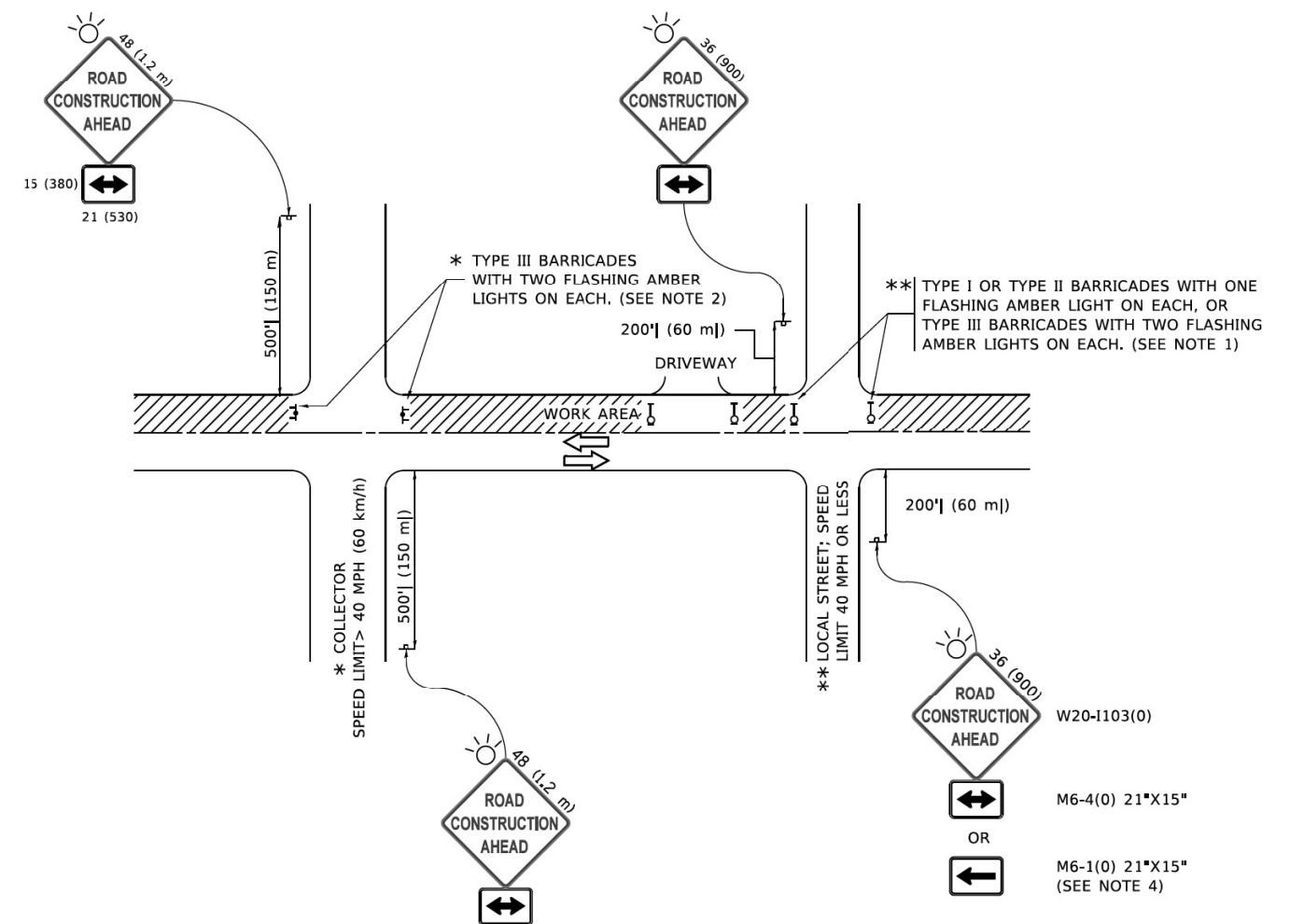
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|------------------------------|-------------------|------------------------|
| USER NAME = footemj          | DESIGNED - D.W.S. | REVISED - J.A.F. 02-06 |
|                              | DRAWN -           | REVISED - S.P.B. 01-07 |
| PLOT SCALE = 50,0000 " / in. | CHECKED -         | REVISED - S.P.B. 12-09 |
| PLOT DATE = 3/4/2019         | DATE - 02-87      | REVISED - M.D. 06-13   |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL DETAILS FOR  
FREEWAY SINGLE & MULTI-LANE WEAVE**

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

|                           |            |                    |                 |              |
|---------------------------|------------|--------------------|-----------------|--------------|
| F.A. I<br>RTE.            | SECTION    | COUNTY             | TOTAL<br>SHEETS | SHEET<br>NO. |
| 90/94                     | 2015-085BP | COOK               | 24              | 20           |
| TC-09                     |            | CONTRACT NO. 62B87 |                 |              |
| ILLINOIS FED. AID PROJECT |            |                    |                 |              |



**NOTES:**

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

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

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|                              |                   |                                 |
|------------------------------|-------------------|---------------------------------|
| USER NAME = footemj          | DESIGNED - L.H.A. | REVISED - A. HOUSEH 10-15-96    |
| PLOT SCALE = 50.0000 " / in. | DRAWN -           | REVISED - T. RAMMACHER 01-06-00 |
| PLOT DATE = 3/4/2019         | CHECKED -         | REVISED - A. SCHUETZE 07-01-13  |
|                              | DATE - 06-89      | REVISED - A. SCHUETZE 09-15-16  |

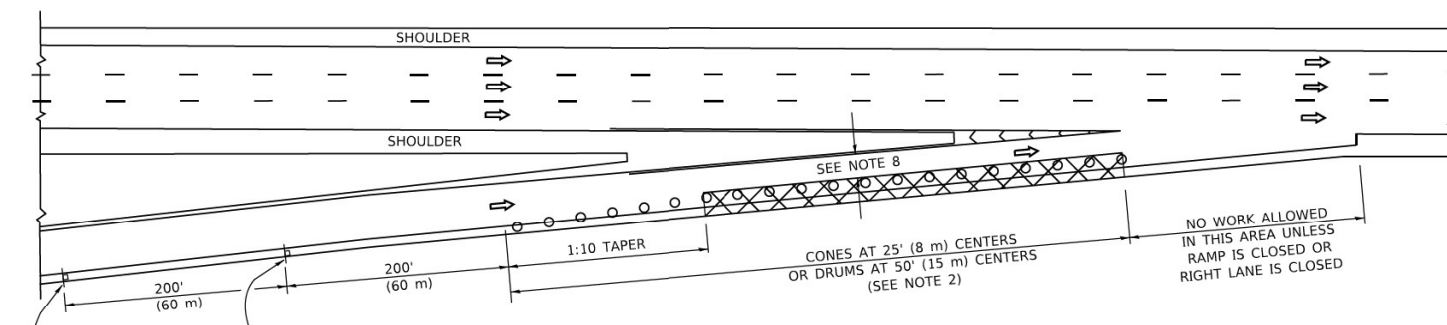
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

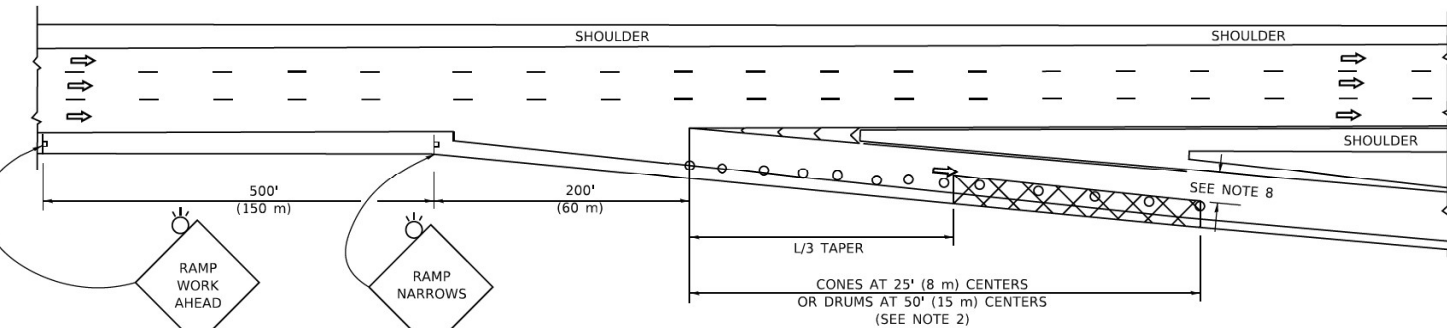
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A. I<br>RTE.            | SECTION    | COUNTY | TOTAL<br>SHEETS    | SHEET<br>NO. |
|---------------------------|------------|--------|--------------------|--------------|
| 90/94                     | 2015-085BP | COOK   | 24                 | 21           |
| <b>TC-10</b>              |            |        | CONTRACT NO. 62B87 |              |
| ILLINOIS FED. AID PROJECT |            |        |                    |              |

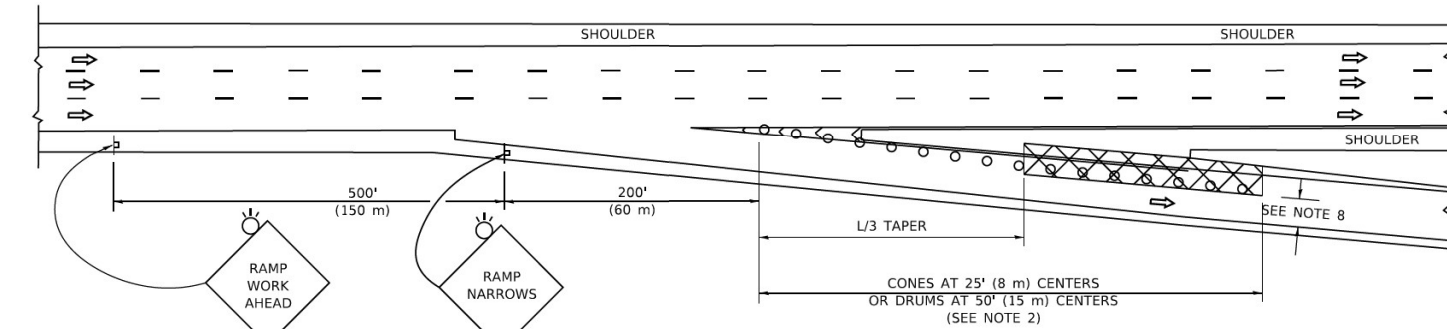
**PARTIAL RAMP CLOSURE DETAILS**



**TYPICAL ENTRANCE RAMP**



**TYPICAL EXIT RAMP**



**TYPICAL EXIT RAMP**

**SYMBOLS**

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

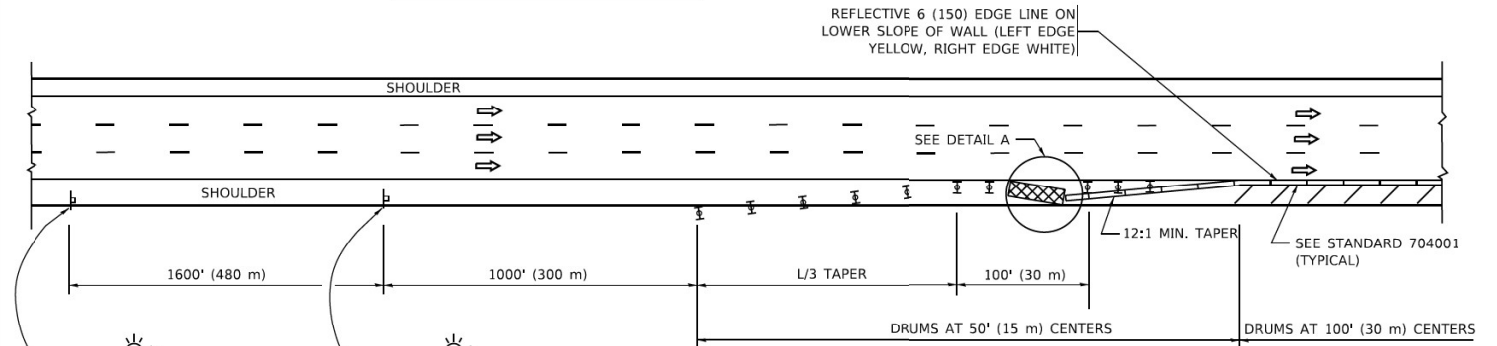
**GENERAL NOTES:**

- THE "L" DISTANCE EQUALS:  

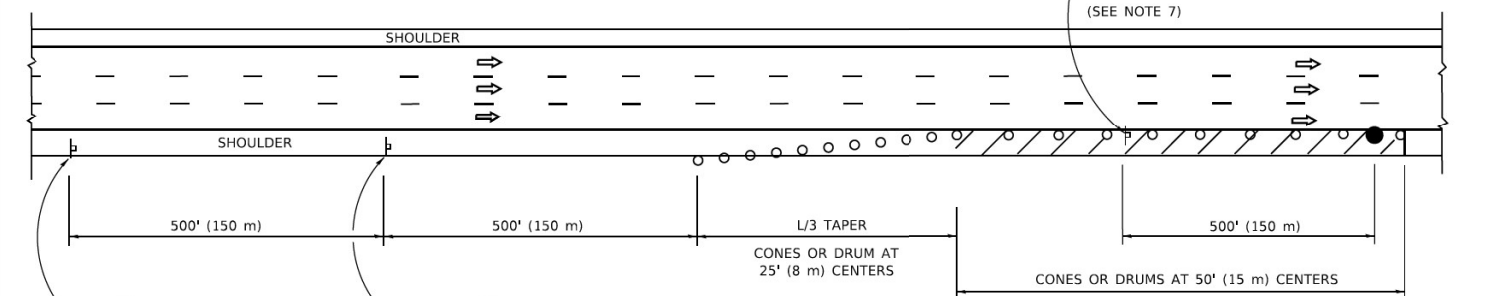
|                    |                              |
|--------------------|------------------------------|
| <b>SPEED LIMIT</b> | <b>FORMULAS</b>              |
| 45 mph (80 km/h)   | <b>METRIC</b> <b>ENGLISH</b> |
| OR GREATER:        | $L=0.65(W)(S)$ $L=(W)(S)$    |

W = WIDTH OF OFFSET IN FEET (METERS)  
 S = NORMAL POSTED SPEED MPH (KM/H)
- TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- 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 ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350/MASH COMPLIANT.

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

- THE IMPACT ATTENUATOR. TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
- THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
  - FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
  - THE WORK AVTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
- 12' MIN. WIDTH TANGENT SECTION  
 16' MIN. WIDTH CURVE SECTION.

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

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|                              |                |                        |
|------------------------------|----------------|------------------------|
| USER NAME = footemj          | DESIGNED -     | REVISED - S.P.B. 01-07 |
|                              | DRAWN - D.W.S. | REVISED - S.P.B. 12-09 |
| PLOT SCALE = 50,0000 " / in. | CHECKED -      | REVISED - M.D. 06-13   |
| PLOT DATE = 3/4/2019         | DATE - 11-96   | REVISED - M.D. 01-18   |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL DETAILS FOR FREEWAY  
 SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES**

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

|                           |                       |                    |                    |                 |
|---------------------------|-----------------------|--------------------|--------------------|-----------------|
| F.A. 1<br>RTE. 90/94      | SECTION<br>2015-085BP | COUNTY<br>COOK     | TOTAL SHEETS<br>24 | SHEET NO.<br>22 |
| <b>TC-17</b>              |                       | CONTRACT NO. 62B87 |                    |                 |
| ILLINOIS FED. AID PROJECT |                       |                    |                    |                 |

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 PROJECT: ILLINOIS DEPARTMENT OF TRANSPORTATION - PROJECTS/DESIGN/2015/2015-085BP/2015-085BP-TC-21-23.DWG

**ROUTE MARKERS**

FOR U.S. ROUTES  
M1-40-2424

FOR ILLINOIS ROUTES  
M1-50-2424

R.R. UNMARKED ROUTES  
SPECIAL 24" x 18" VARIABLE  
4" BLACK LETTERS ON WHITE  
REFLECTIVE BACKGROUND

**ARROWS SIGNS**

M5-1L-2115

M5-1R-2115

M6-1-2115

M6-2-2115

M6-3-2115

**CARDINAL DIRECTION & DETOUR SIGNS**

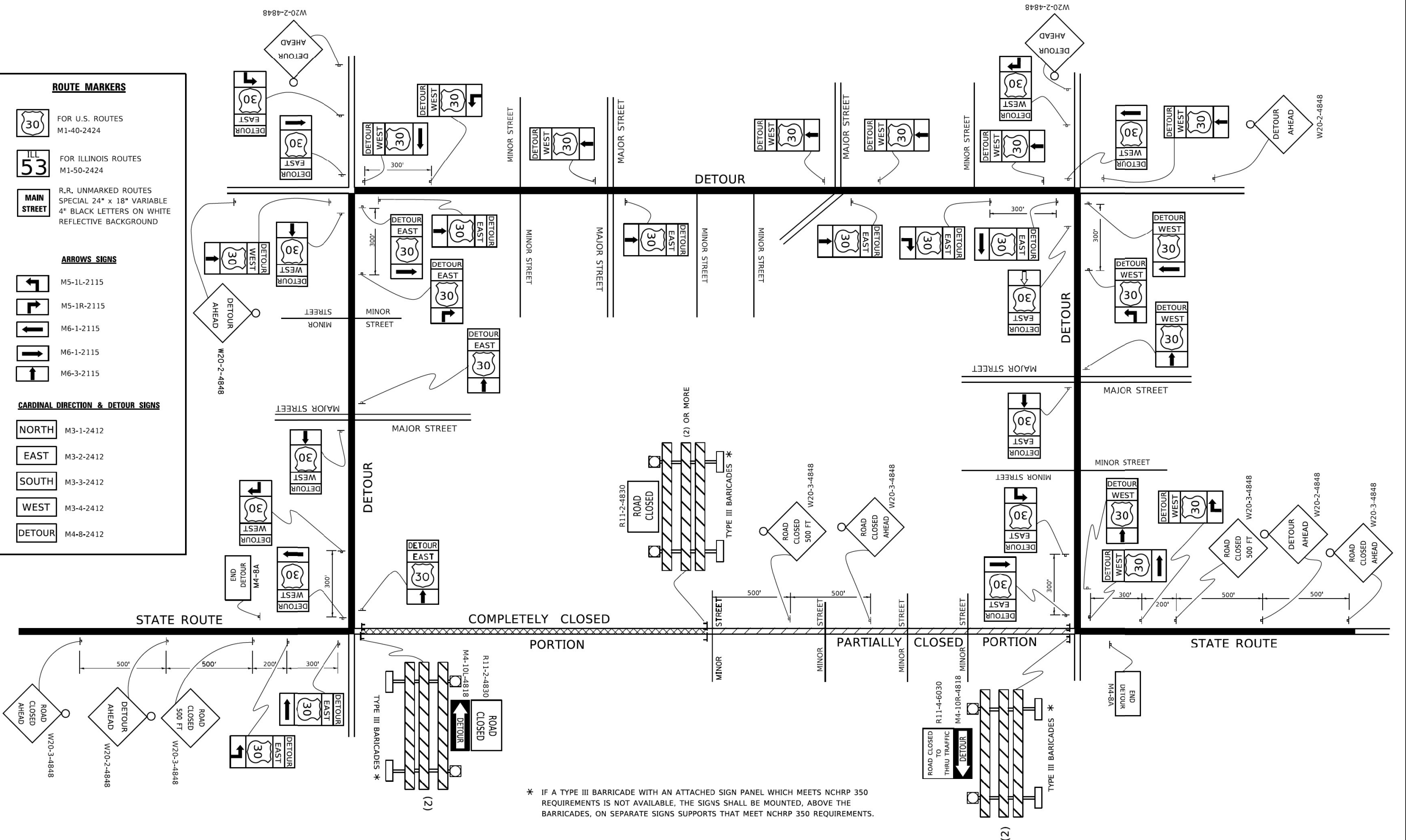
NORTH M3-1-2412

EAST M3-2-2412

SOUTH M3-3-2412

WEST M3-4-2412

DETOUR M4-8-2412



\* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

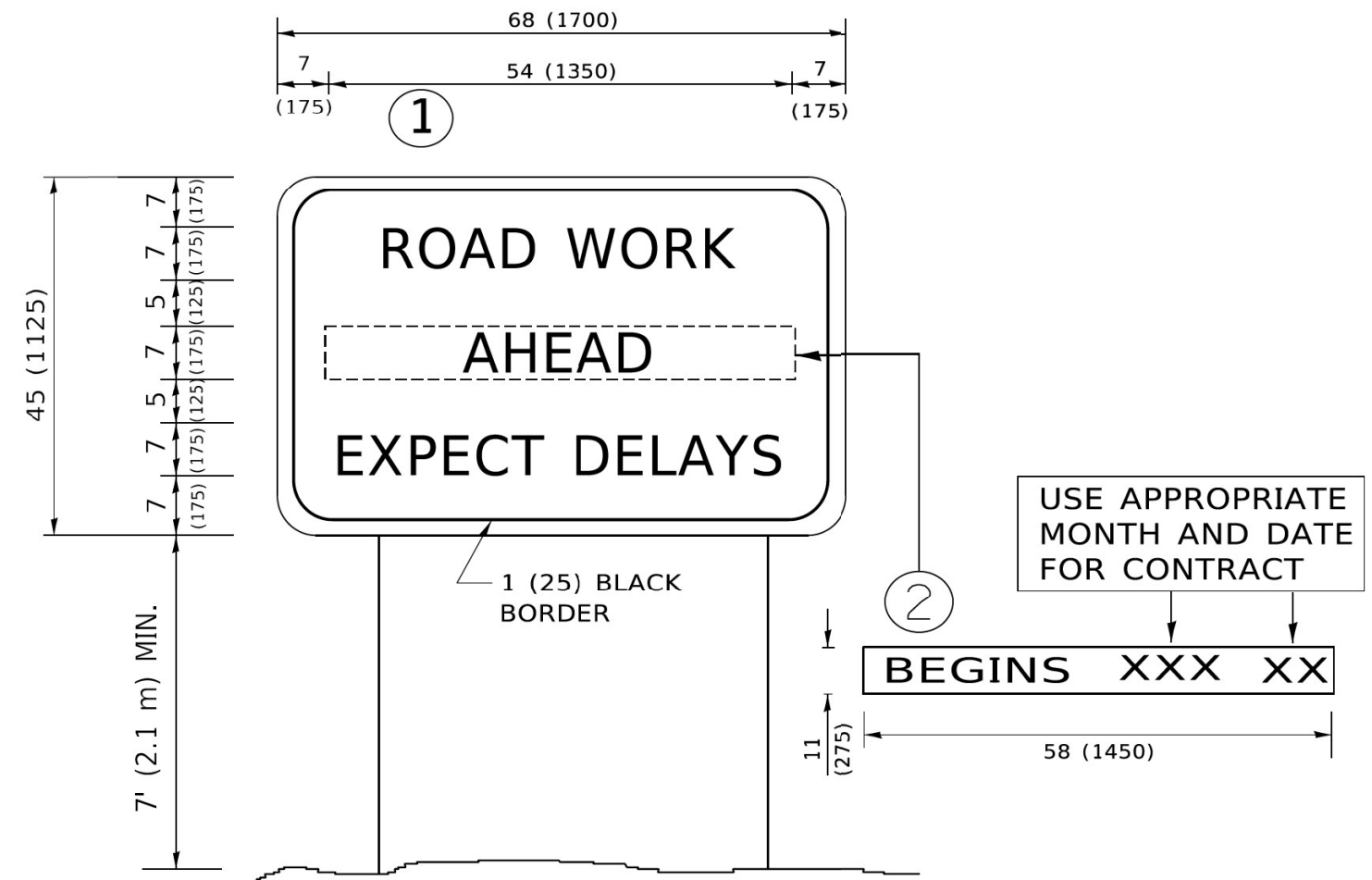
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| USER NAME = [footem]        | DESIGNED - | REVISED - 10-18-02         |
|                             | DRAWN -    | REVISED - R. BORO 09-14-09 |
| PLOT SCALE = 50.0000" / in. | CHECKED -  | REVISED -                  |
| PLOT DATE = 3/4/2019        | DATE -     | REVISED -                  |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DETOUR SIGNING  
 FOR CLOSING STATE HIGHWAYS**

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

|                           |                    |                    |                 |              |
|---------------------------|--------------------|--------------------|-----------------|--------------|
| F.A.I. R.T.E. 90/94       | SECTION 2015-085BP | COUNTY COOK        | TOTAL SHEETS 24 | SHEET NO. 23 |
| <b>TC-21</b>              |                    | CONTRACT NO. 62B87 |                 |              |
| 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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|                              |            |                                 |
|------------------------------|------------|---------------------------------|
| USER NAME = footemj          | DESIGNED - | REVISED - R. MIRS 09-15-97      |
|                              | DRAWN -    | REVISED - R. MIRS 12-11-97      |
| PLOT SCALE = 50.0000 " / in. | CHECKED -  | REVISED - T. RAMMACHER 02-02-99 |
| PLOT DATE = 3/4/2019         | DATE -     | REVISED - C. JUCIUS 01-31-07    |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

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

|                           |            |                    |                 |              |
|---------------------------|------------|--------------------|-----------------|--------------|
| F.A. I<br>RTE.            | SECTION    | COUNTY             | TOTAL<br>SHEETS | SHEET<br>NO. |
| 90/94                     | 2015-085BP | COOK               | 24              | 24           |
| TC-22                     |            | CONTRACT NO. 62B87 |                 |              |
| ILLINOIS FED. AID PROJECT |            |                    |                 |              |