

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAI ROUTE 255
SECTION 60-8B-11
PROJECT: ACIM-255-6(020)006
MADISON COUNTY
BRIDGE JOINT REPAIRS
C-98-052-06

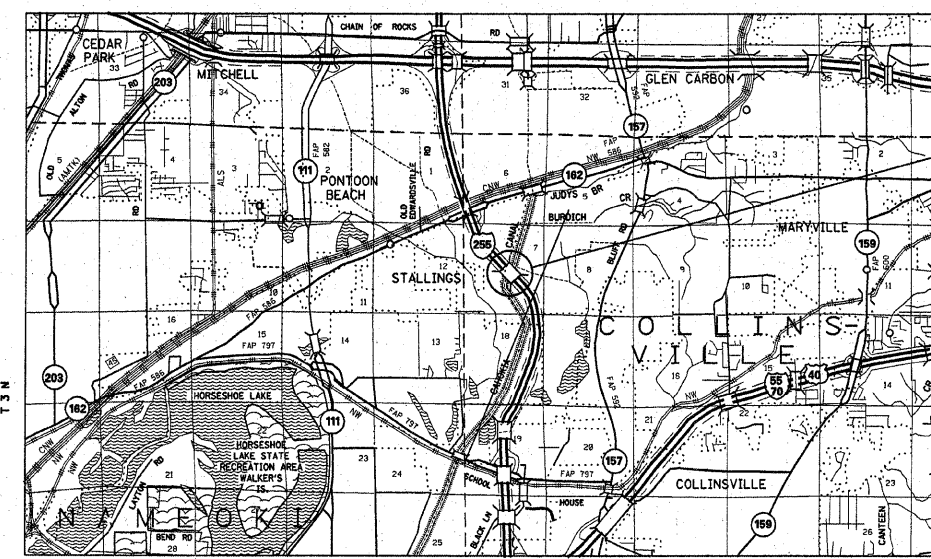
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------|----------|----------|--------------------|-----------|
| 255 | 60-8B-11 | MADISON | 42 | 1 |
| FED. ROAD DIST. NO. | | ILLINOIS | CONTRACT NO. 76A25 | |

INDEX OF SHEETS

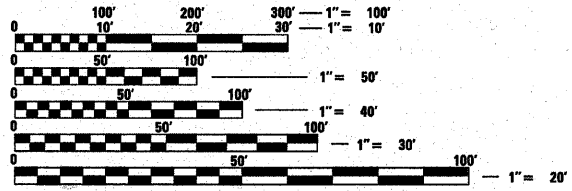
- 1 COVER SHEET
- 2 SUMMARY OF QUANTITIES / GENERAL NOTES
- 3 TYPICAL SECTIONS
- 4 SCHEDULES OF QUANTITIES
- 5 STAGE CONSTRUCTION SHEET (INTERSTATE SIGNING)
- 6 STAGE CONSTRUCTION SHEET (SHOULDER)
- 7-18 STAGE CONSTRUCTION SHEETS
- 19-22 PAVEMENT MARKING SHEETS
- 23-42 STRUCTURE PLANS

HIGHWAY STANDARDS

| | |
|-----------|-----------|
| 000001-05 | 701406-04 |
| 001001-01 | 701901 |
| 001006 | 704001-04 |
| 635011-01 | 780001-01 |
| 701400-02 | 781001-02 |



3 SPAN RC DECK WITH PRECAST DECK PANELS COMPOSITE WITH PLATE GIRDERS OVER CAHOKIA CANAL
BEGIN STA 1477+02.35
END STA 1481+06.51
SN 060-0218, 0219



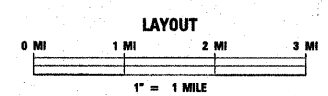
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: PATTI LeBEAU (618) 346-3179
PROJECT MANAGER: ARTHUR MUEHLFELD (618) 346-3209

CONTRACT NO. 76A25

FAI ROUTE 255 (I-255)
ADT = 39,600 (2005)
ADT = 49,800 (2028)
SU = 2.7%
MU = 10.4%



| | |
|--------------------|--------------------|
| SN 060-0218 | SN 060-0219 |
| LATITUDE 38.72278 | LATITUDE 38.72289 |
| LONGITUDE 90.03035 | LONGITUDE 90.03049 |

GROSS LENGTH = 0.08 MILES
NET LENGTH = 0.08 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED December 20, 2007
Mam C. Jamie
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

February 1, 2008
Eric E. Haran
INTERN ENGINEER OF DESIGN AND ENVIRONMENT

February 1, 2008
Christina M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

SUMMARY OF QUANTITIES

| SUMMARY OF QUANTITIES | | | 90% FED. 10% STATE TOTAL QUANTITIES | CONSTRUCTION TYPE CODE | | |
|-----------------------|---|--------|--|------------------------|--|--|
| CODE NO | ITEM | UNIT | | X031-2A | | |
| 44000157 | HOT-MIX ASPHALT SURFACE REMOVAL, 2" | SQ YD | 5592 | 5592 | | |
| 48203100 | HOT-MIX ASPHALT SHOULDERS | TON | 775 | 775 | | |
| 50102400 | CONCRETE REMOVAL | CU YD | 45 | 45 | | |
| 50300255 | CONCRETE SUPERSTRUCTURE | CU YD | 122.9 | 122.9 | | |
| 50300260 | BRIDGE DECK GROOVING | SQ YD | 131 | 131 | | |
| 50300300 | PROTECTIVE COAT | SQ YD | 146 | 146 | | |
| 50606401 | CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1 | L SUM | 1 | 1 | | |
| 50606402 | CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 2 | L SUM | 1 | 1 | | |
| 50800205 | REINFORCEMENT BARS, EPOXY COATED | POUND | 16040 | 16040 | | |
| 50800515 | BAR SPLICERS | EACH | 52 | 52 | | |
| 60260100 | INLETS TO BE ADJUSTED | EACH | 7 | 7 | | |
| 67000400 | ENGINEER'S FIELD OFFICE, TYPE A | CAL MO | 7 | 7 | | |
| 67100100 | MOBILIZATION | L SUM | 1 | 1 | | |
| 70100700 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701406 | L SUM | 1 | 1 | | |
| 70101700 | TRAFFIC CONTROL AND PROTECTION | L SUM | 1 | 1 | | |
| 70300100 | SHORT-TERM PAVEMENT MARKING | FOOT | 1145 | 1145 | | |
| 70300220 | TEMPORARY PAVEMENT MARKING - LINE 4" | FOOT | 24793 | 24793 | | |
| 70300635 | TEMPORARY PAINT PAVEMENT MARKING LINE 6" | FOOT | 1850 | 1850 | | |
| 70301000 | WORK ZONE PAVEMENT MARKING REMOVAL | SQ FT | 8264 | 8264 | | |
| 70400100 | TEMPORARY CONCRETE BARRIER | FOOT | 950 | 950 | | |
| 70400200 | RELOCATE TEMPORARY CONCRETE BARRIER | FOOT | 900 | 900 | | |
| * 78008210 | POLYUREA PAVEMENT MARKING TYPE I - LINE 4" | FOOT | 8667 | 8667 | | |
| 78100200 | TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER | EACH | 124 | 124 | | |
| * 78100300 | REPLACEMENT REFLECTOR | EACH | 248 | 248 | | |
| 78300100 | PAVEMENT MARKING REMOVAL | SQ FT | 2889 | 2889 | | |
| 78300200 | RAISED REFLECTIVE PAVEMENT MARKER REMOVAL | EACH | 248 | 248 | | |
| 20030250 | IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3 | EACH | 2 | 2 | | |
| 20030350 | IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3 | EACH | 2 | 2 | | |
| 50600600 | CLEANING AND PAINTING STEEL BRIDGE NO. 1 | L SUM | 1 | 1 | | |
| 50600700 | CLEANING AND PAINTING STEEL BRIDGE NO. 2 | L SUM | 1 | 1 | | |

GENERAL NOTES:

1. THE STANDARDS AND REVISION NUMBERS LISTED SHALL APPLY TO THIS PROJECT.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
3. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING BY CALLING J.U.L.I.E. AND BY NOTIFYING NON-J.U.L.I.E. MEMBERS INDIVIDUALLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 - AMERENIP (GAS & ELECTRIC)
 - AT&T CORPORATION (COMMUNICATIONS)
 - CHARTER COMMUNICATIONS, INC. (CABLE TV)
 - ILLINOIS AMERICAN WATER COMPANY (WATER)
 - AT&T ILLINOIS (COMMUNICATIONS)
 MEMBERS OF J.U.L.I.E. (800) 892-0123 ARE INDICATED BY*. NON-MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
4. THE CONTRACTOR SHALL FURNISH AND INSTALL WOOD SIGN SUPPORTS IN ACCORDANCE WITH SECTION 730 OF THE STANDARD SPECIFICATIONS; HOWEVER, INSTALLATION BY METHOD 'A' (ARTICLE 730.04(a)) SHALL BE THE ONLY METHOD PERMITTED.
5. FOR STAGE I, THE BOTTOM 6" OF THE TEMPORARY CONCRETE BARRIER SHALL BE PAINTED YELLOW, FOR STAGE II, THE BOTTOM 6" OF THE TEMPORARY CONCRETE BARRIER SHALL BE PAINTED WHITE. THE COST SHALL BE PAID FOR AS "TEMPORARY PAINT PAVEMENT MARKING - LINE 6" "
6. PAVEMENT MARKING REMOVAL SHALL BE BY WATER BLAST METHOD.
7. TWO LANE TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES.
8. 'ROAD CONSTRUCTION AHEAD' AND 'WORK ZONE SPEED LIMIT' SIGNS SHALL BE INSTALLED AS DIRECTED BY THE RESIDENT ENGINEER ON THE SOUTHBOUND RAMP AT IL 162.

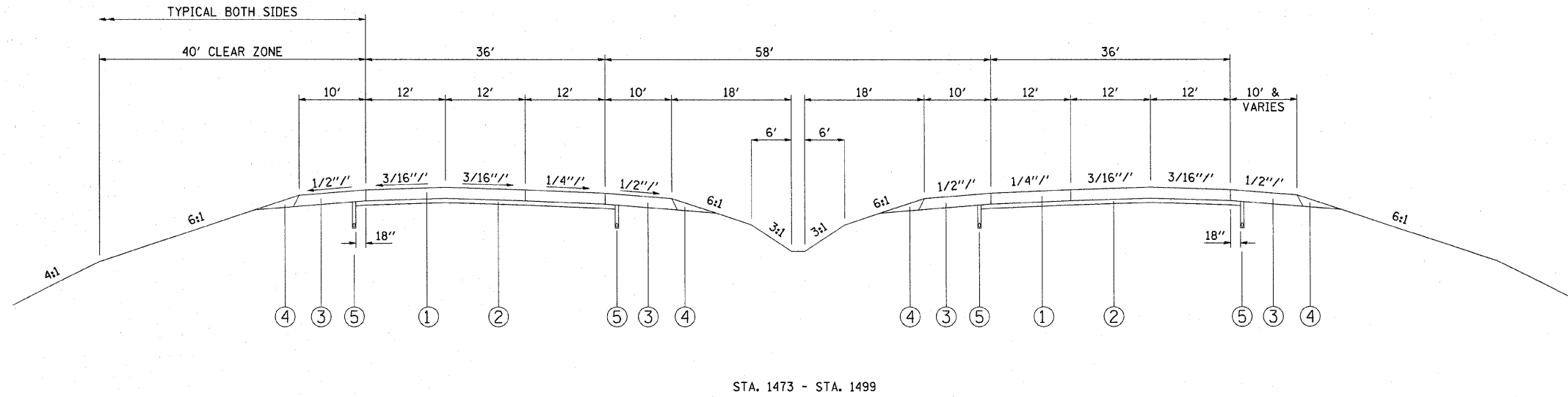
COMMITMENTS

NONE

* SPECIALTY ITEMS

| | | | | | | | | | | | |
|--|-----------------------------|------------|-----------|---|---|--------------------|--------------------------|---------|-----------------|---|--|
| FILE NAME = | USER NAME = harbaughrd | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SUMMARY OF QUANTITIES, GENERAL NOTES & COMMITMENTS | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| c:\projects\ed86386\plan\pin86386a.dgn | | DRAWN - | REVISED - | | | 255 | 60-8B-II | MADISON | 42 | 2 | |
| | PLOT SCALE = 50.0000' / IN. | CHECKED - | REVISED - | | | CONTRACT NO. 76A25 | | | | | |
| | PLOT DATE = 12/19/2007 | DATE - | REVISED - | | | SCALE: NA | SHEET NO. 2 OF 42 SHEETS | STA. | TO STA. | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | |

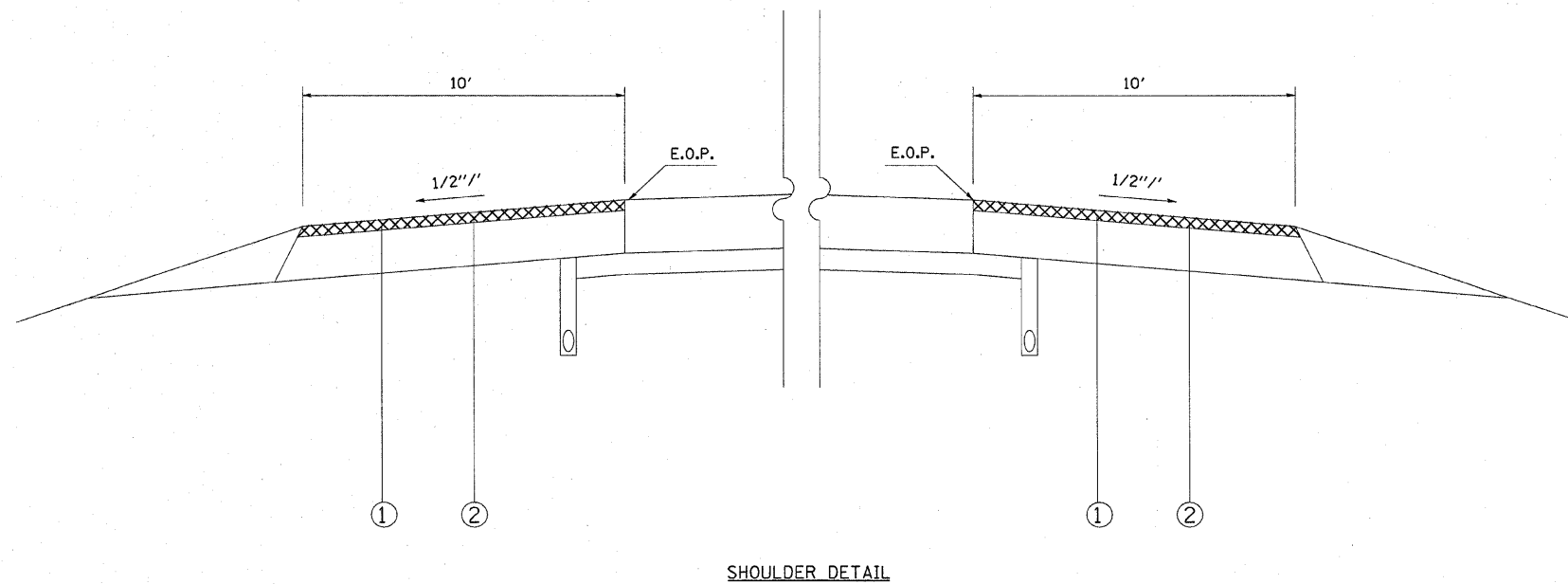
EXISTING TYPICAL SECTION



LEGEND (FOR INFORMATION ONLY)

- ① 10" C.R.P.C.C. PAVEMENT
- ② 4" STABILIZED SUB-BASE
- ③ BITUMINOUS SHOULDERS 10"
- ④ AGGREGATE SHOULDER, TYPE B
- ⑤ PIPE UNDERDRAIN 4" (SEE STD. 2327)

PROPOSED SHOULDER TYPICAL SECTION



LEGEND

- ① HMA SURFACE REMOVAL, 2"
- ② HMA SHOULDERS

| MIXTURE USE | SHOULDERS |
|--------------------------------------|----------------|
| AC/PG | PG 64-22 |
| RAP % (MAX) | 10% |
| DESIGN AIR VOIDS | 4.0% @ Ndes=90 |
| MIX COMPOSITION (GRADIATION MIXTURE) | IL 19.0 |
| FRICTION AGG | MIXTURE "B" |

•• Top Lift Shoulders - Design this mix at 2.0% and add asphalt to reduce voids to 1.5%.

Plan quantities for Bituminous Concrete Surface Course Items are calculated using a unit weight of 112 lb/sq yd/in (59.8 kg/sq m/25 mm thickness).

NOTE: MILL 2" FROM EDGE OF PAVEMENT AT 1/2" DOWNWARD.

| | | | | | | | | | | | | |
|--|------------------------|------------|-----------|---|---|--------------------------|--------------------|---------------------|--------------------|--------------------|----------------|--|
| FILE NAME = c:\projects\ed06306\plan\pln-06306a.dgn | USER NAME = harbaugh-d | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TYPICAL SECTIONS | | F.A.I. RTE. 255 | SECTION 60-8B-II | COUNTY MADISON | TOTAL SHEETS 42 | SHEET NO. 3 | |
| PLOT SCALE = 50.0000' / IN. | CHECKED - | REVISED - | REVISED - | | SCALE: NA | SHEET NO. 3 OF 42 SHEETS | STA. | TO STA. | CONTRACT NO. 76A25 | | | |
| PLOT DATE = 12/20/2007 | DATE - | REVISED - | REVISED - | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | | | |

STAGE CONSTRUCTION SCHEDULE

| LOCATION | TEMPORARY CONCRETE BARRIER | RELOCATE TEMPORARY CONCRETE BARRIER | IMPACT ATTENUATORS TEMPORARY (NON-REDIRECTIVE) | IMPACT ATTENUATORS RELOCATE (NON-REDIRECTIVE) |
|-------------|----------------------------|-------------------------------------|--|---|
| | FOOT | FOOT | EACH | EACH |
| NB STAGE I | 475 | | 1 | |
| NB STAGE II | | 475 | | 1 |
| SB STAGE I | 475 | | 1 | |
| SB STAGE II | | 425 | | 1 |
| TOTALS | 950 | 900 | 2 | 2 |

SHOULDER SCHEDULE

| LOCATION | LT OR RT | HMA SURFACE REMOVAL, 1" | HMA SHOULDERS | INLETS TO BE ADJUSTED |
|----------------------------|----------|-------------------------|---------------|-----------------------|
| | | SQ YD | TONS | EACH |
| NORTHBOUND | | | | |
| STA 1471+50 TO STA 1477+55 | RT | 672.2 | 94.1 | 1 |
| STA 1481+59 TO STA 1488+50 | RT | 767.8 | 107.5 | 1 |
| STA 1471+50 TO STA 1477+20 | LT | 633.3 | 88.7 | 1 |
| STA 1481+25 TO STA 1488+50 | LT | 805.6 | 112.8 | |
| SOUTHBOUND | | | | |
| STA 1473+50 TO STA 1476+50 | RT | 333.3 | 46.7 | 1 |
| STA 1480+54 TO STA 1489+75 | RT | 1023.2 | 143.2 | 1 |
| STA 1473+50 TO STA 1476+84 | LT | 371.1 | 52.0 | 1 |
| STA 1480+88 TO STA 1489+75 | LT | 985.5 | 138.0 | 1 |
| TOTALS | | 5592.0 | 783.0 | 7 |

TEMPORARY PAVEMENT MARKING SCHEDULE

| LOCATION | TEMPORARY PAVEMENT MARKING - LINE 4" | | TEMPORARY PAINT PAVEMENT MARKING - LINE 6" | | SHORT-TERM PAVEMENT MARKING | WORK ZONE PAVEMENT MARKING REMOVAL | TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER |
|-------------|--------------------------------------|--------|--|--------|-----------------------------|------------------------------------|---|
| | WHITE | YELLOW | WHITE | YELLOW | | | |
| | FT | FT | FT | FT | | | |
| NB STAGE I | 3202 | 3124 | | 475 | | 2108.6 | 32 |
| SB STAGE I | 2952 | 3259 | 475 | | | 2070.2 | 31 |
| NB STAGE II | 4738 | 1602 | | 475 | 90.9 | 2113.2 | 32 |
| SB STAGE II | 4466 | 1450 | 425 | | 90.9 | 1972.0 | 29 |
| NB | | | | | 509.9 | | |
| SB | | | | | 453.3 | | |
| SUB-TOTAL | 15358 | 9435 | 900 | 950 | | | |
| TOTALS | 24,793 | | 1850 | | 1145 | 8264 | 124 |

PERMANENT PAVEMENT MARKING SCHEDULE

| LOCATION | PAVEMENT MARKING REMOVAL | POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4" | RAISED REFLECTIVE PAVEMENT MARKER REMOVAL | REPLACEMENT REFLECTOR (CRYSTAL) |
|----------------------------|--------------------------|--|---|---------------------------------|
| | SQ FT | FT | EACH | EACH |
| NORTHBOUND | | | | |
| STA 1454+95 TO STA 1464+95 | 166.7 | 500 | 50 | 50 |
| STA 1471+95 TO STA 1487+95 | 1333.4 | 4000 | 80 | 80 |
| SOUTHBOUND | | | | |
| STA 1473+83 TO STA 1488+33 | 1208.3 | 3625 | 73 | 73 |
| STA 1488+33 TO STA 1489+33 | 41.7 | 125 | 3 | 3 |
| STA 1495+33 TO STA 1496+33 | 8.3 | 25 | 3 | 3 |
| STA 1496+33 TO STA 1502+00 | 94.5 | 283.6 | 28 | 28 |
| STA 1502+00 TO STA 1506+33 | 36.1 | 108.4 | 11 | 11 |
| TOTALS | 2889 | 8667 | 248 | 248 |

LOCATION

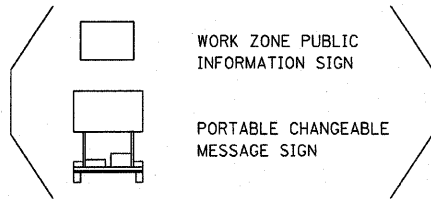


ADDITIONAL SIGNS



W20-1(O)-48

W16-3A(O)-3612



WORK ZONE PUBLIC INFORMATION SIGN

PORTABLE CHANGEABLE MESSAGE SIGN

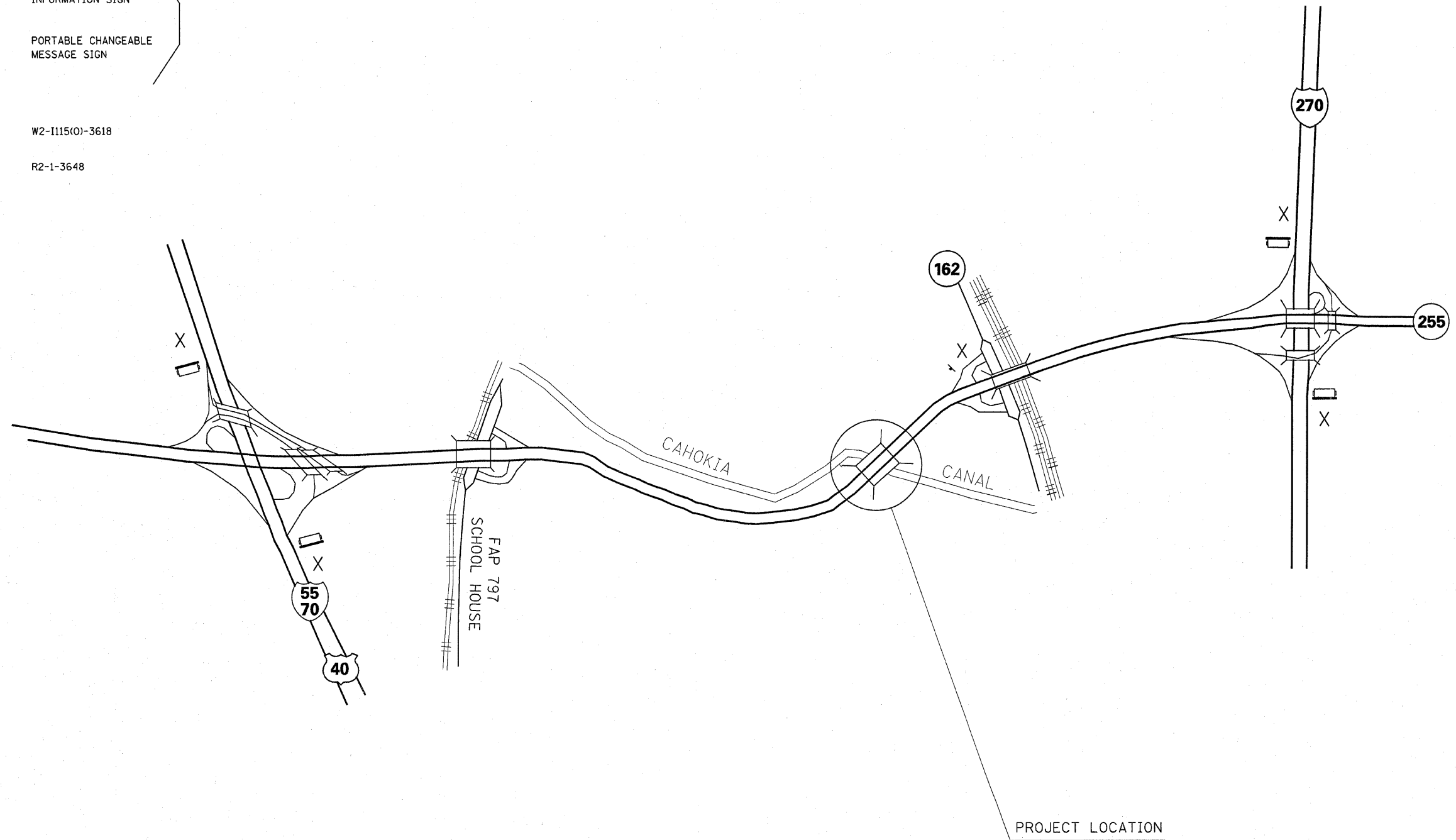


W2-1115(O)-3618

R2-1-3648

NOTE:

ADDITIONAL SIGNS AT THE FOUR LOCATIONS SHOWN BELOW IN ACCORDANCE WITH HIGHWAY STANDARD 701400, SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE, LUMP SUM, FOR "TRAFFIC CONTROL AND PROTECTION".



FILE NAME =
c:\projects\ed06306\plan\p1n06306a.dgn

USER NAME = herbaughrd
PLDT SCALE = 50.0000' / IN.
PLOT DATE = 12/20/2007

DESIGNED -
DRAWN -
CHECKED -
DATE -

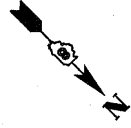
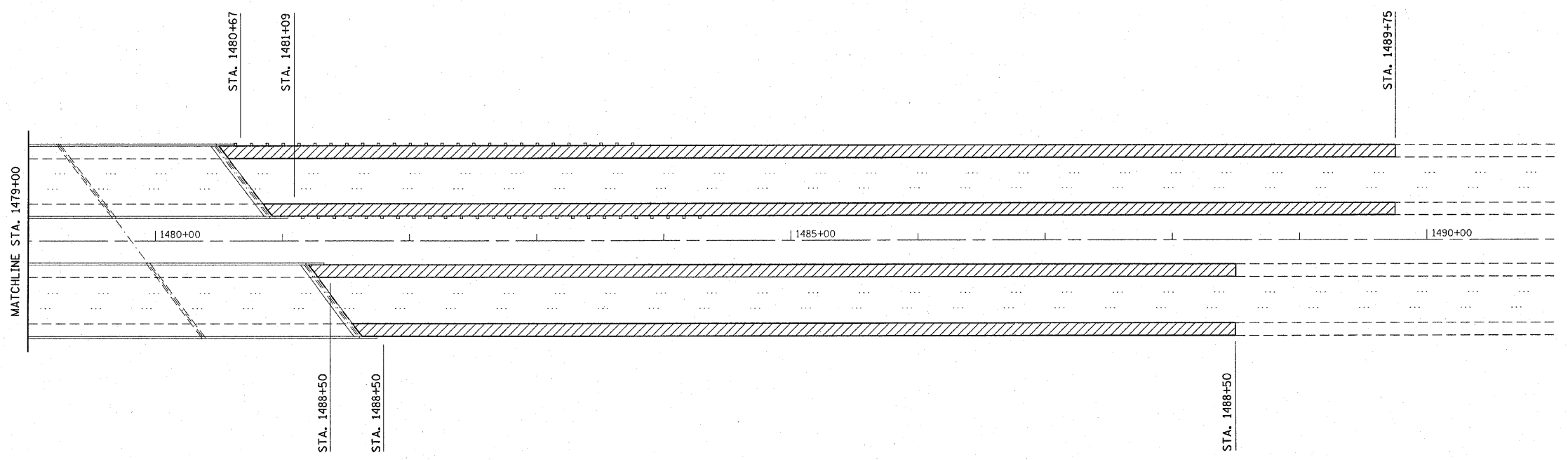
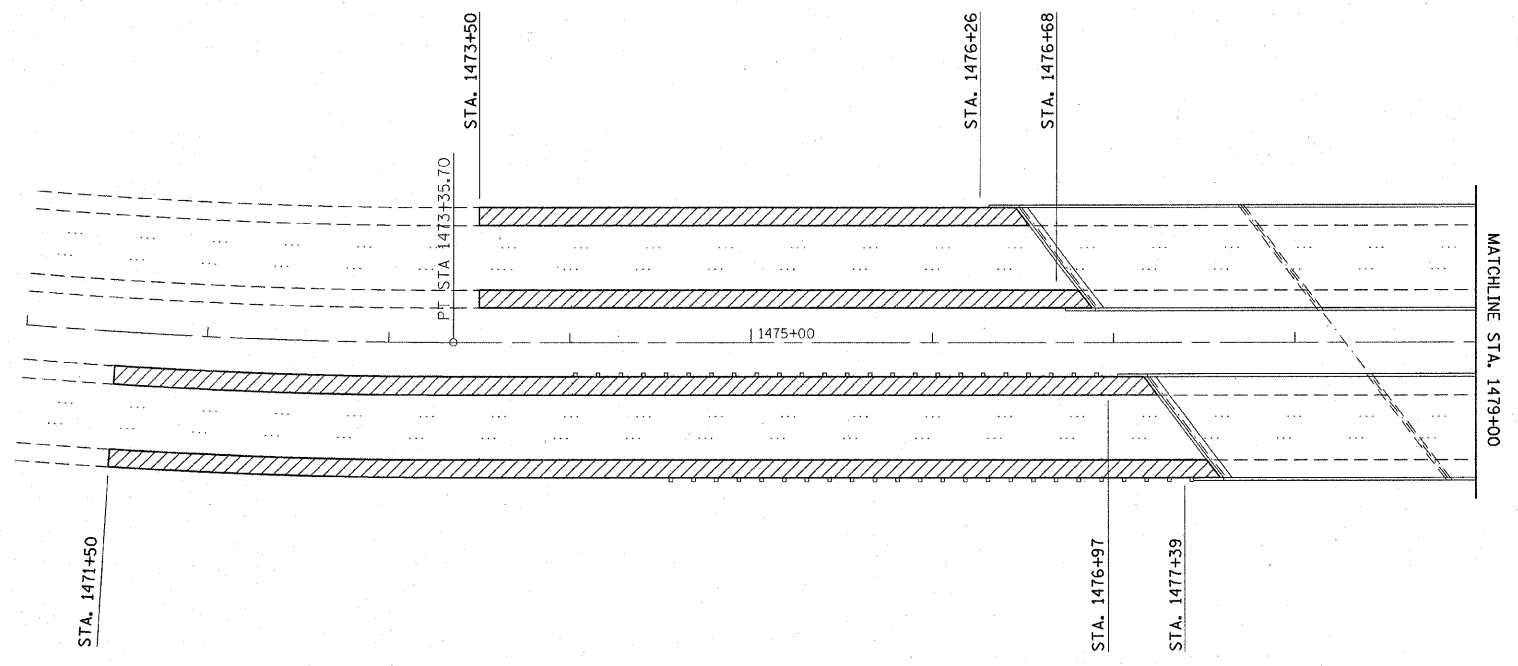
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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION (INTERSTATE SIGNING)

SCALE: NA SHEET NO. 5 OF 42 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------|---------|--------------------|-----------|
| 255 | 60-8B-11 | MADISON | 42 | 5 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 76A25 | |



STRUCTURE NUMBERS

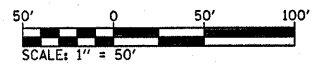
NORTHBOUND: 060-0218

SOUTHBOUND: 060-0219

NOTE:






THE WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE, LUMP SUM, FOR "TRAFFIC CONTROL AND PROTECTION, STANDARD 701406" AND NO OTHER COMPENSATION WILL BE ALLOWED.

ADDITIONAL SIGNS INCLUDED WITH HIGHWAY STANDARD 701400, SHOWN ON THE PLANS, SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE, LUMP SUM, FOR "TRAFFIC CONTROL AND PROTECTION".








| | | | | | | | | | | |
|---|-----------------------------|------------|-----------|---|--------------------------------------|--------------------------|----------|------------------------------|--------------|--------------------|
| FILE NAME = c:\projects\ed06308\plan\pln06308a.dgn | USER NAME = harbaughrd | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | STAGE CONSTRUCTION (SHOULDER) | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | PLOT SCALE = 50.0000' / IN. | DRAWN - | REVISED - | | | 255 | 60-8B-1I | MADISON | 42 | 6 |
| PLOT DATE = 12/20/2007 | CHECKED - | REVISED - | REVISED - | SCALE: 50 | | SHEET NO. 6 OF 42 SHEETS | | STA. 1471+00 TO STA. 1491+00 | | CONTRACT NO. 76A25 |
| | DATE - | REVISED - | REVISED - | | | FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

LEGEND

| | |
|---|---|
|  | W1-4b-(O)-48 (NO. OF ARROW SHALL MATCH THE NO. OF LANES OPEN TO TRAFFIC AND THE DIRECTION OF TRAVEL.) |
|  | W13-1-(O) -24 |
|  | 4' x 8' 1" BORDER WITH 10" CAPITAL LETTERS BACKGROUND SHEETING SHALL BE THE SAME AS ALL DIAMOND SHAPED CONSTRUCTION SIGNS. (STATE OWNED) |
|  | W1-6(O) 7236 ATOP TYPE III BARRICADE (DIRECTION OF ARROW SHALL MATCH DIRECTION OF TRAVEL.) |
|  | G20-II03(O)-4830 |

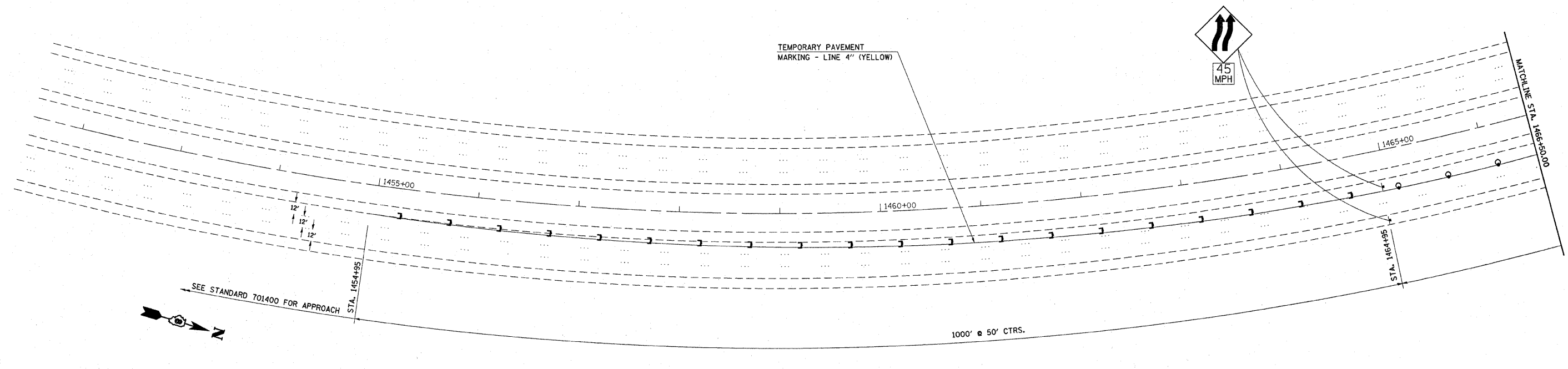
LEGEND

| | |
|---|---|
|  | DRUM WITH STEADY BURNING LIGHT |
|  | DIRECTION INDICATOR BARRICADE WITH STEADY BURNING LIGHT |
|  | TYPE III BARRICADE WITH STEADY BURNING LIGHTS |
|  | TEMPORARY CONCRETE BARRIER |
|  | IMPACT ATTENUATORS |

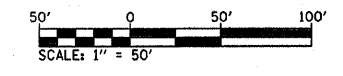
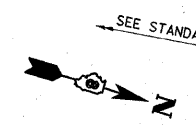
PRE-STAGE DESCRIPTION OF WORK
 CHANGEABLE MESSAGE BOARDS SHALL BE PLACED 2 WEEKS PRIOR TO CONSTRUCTION.
 RE-ESTABLISH SHOULDERS AND RAISE INLETS AT STRUCTURE.

STAGE I DESCRIPTION OF WORK
 TRAFFIC CONTROL SHALL BE INSTALLED AS SHOWN IN THE PLANS. THE COST OF THIS TRAFFIC CONTROL SHALL BE INCLUDED IN THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION."
 TWO LANES OF THE ROADWAY SHALL BE OPENED ON THE RIGHT SIDE OF THE DIRECTION OF TRAFFIC.

SEQUENCE OF CONSTRUCTION, STAGE I
 REMOVE SKIP-DASH AND CONFLICTING SOLID EDGE PAVEMENT MARKINGS.
 PLACE TRAFFIC CONTROL DETAILS ACCORDING TO PLANS.
 PLACE TEMPORARY CONCRETE BARRIER AND IMPACT ATTENUATORS, TEMPORARY.
 PERFORM ALL NECESSARY BRIDGE WORK IN STAGE I WORK ZONE.



EXIST. CURVE 3
 PI STA. = 1459+11.93
 $\Delta = 64^\circ 55' 19''$ (LT)
 $D = 2^\circ 00' 00''$
 $R = 2,864.79'$
 $T = 1,822.33'$
 $L = 3,246.10'$
 $E = 530.49'$
 $E = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 $P.C. \text{ STA.} = 1440+89.60$
 $P.T. \text{ STA.} = 1473+35.70$



| | | | | | | | | | | | | |
|--|----------------------------|------------|-----------|---|---|--------------------------|------------------------------|--------------------|---------------------|-------------------|--------------------|----------------|
| FILE NAME = c:\projects\ed06306\plan\stg06306a1.dgn | USER NAME = harbaughnd | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | STAGE I CONSTRUCTION, NORTH BOUND | | | F.A.I. RTE. 255 | SECTION 60-8B-II | COUNTY MADISON | TOTAL SHEETS 42 | SHEET NO. 7 |
| | PLOT SCALE = 50.0000 / IN. | DRAWN - | REVISED - | | SCALE: 50 | SHEET NO. 7 OF 42 SHEETS | STA. 1451+50 TO STA. 1466+50 | CONTRACT NO. 76A25 | | | | |
| | PLOT DATE = 12/20/2007 | CHECKED - | REVISED - | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | | | |
| | | DATE - | REVISED - | | | | | | | | | |

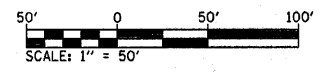
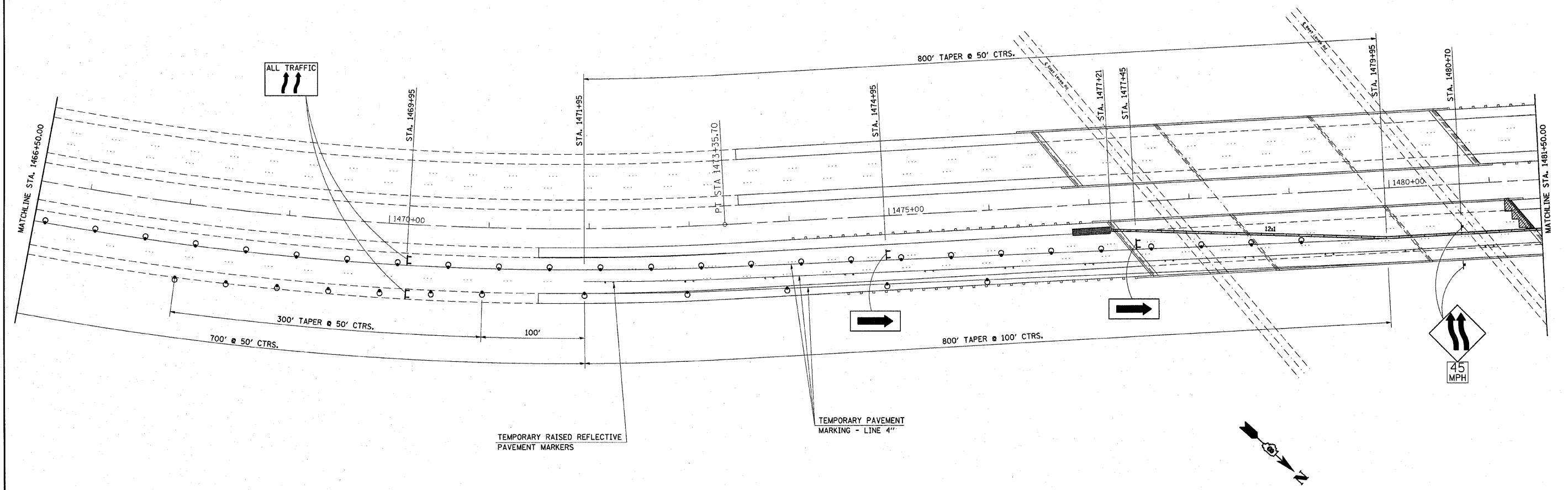
LEGEND

| | |
|--|---|
| | W1-4b-(O)-48 (NO. OF ARROW SHALL MATCH THE NO. OF LANES OPEN TO TRAFFIC AND THE DIRECTION OF TRAVEL.) |
| | W13-1-(O)-24 |
| | 4' x 8'; 1" BORDER WITH 10" CAPITAL LETTERS BACKGROUND SHEETING SHALL BE THE SAME AS ALL DIAMOND SHAPED CONSTRUCTION SIGNS. (STATE OWNED) |
| | W1-6(O) 7236 ATOP TYPE III BARRICADE (DIRECTION OF ARROW SHALL MATCH DIRECTION OF TRAVEL.) |
| | G20-1103(O)-4830 |






LEGEND






| | |
|--|---|
| | DRUM WITH STEADY BURNING LIGHT |
| | DIRECTION INDICATOR BARRICADE WITH STEADY BURNING LIGHT |
| | TYPE III BARRICADE WITH STEADY BURNING LIGHTS |
| | TEMPORARY CONCRETE BARRIER |
| | IMPACT ATTENUATORS |

STRUCTURE NUMBERS
 NORTHBOUND: 060-0218
 SOUTHBOUND: 060-0219

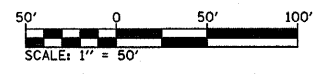
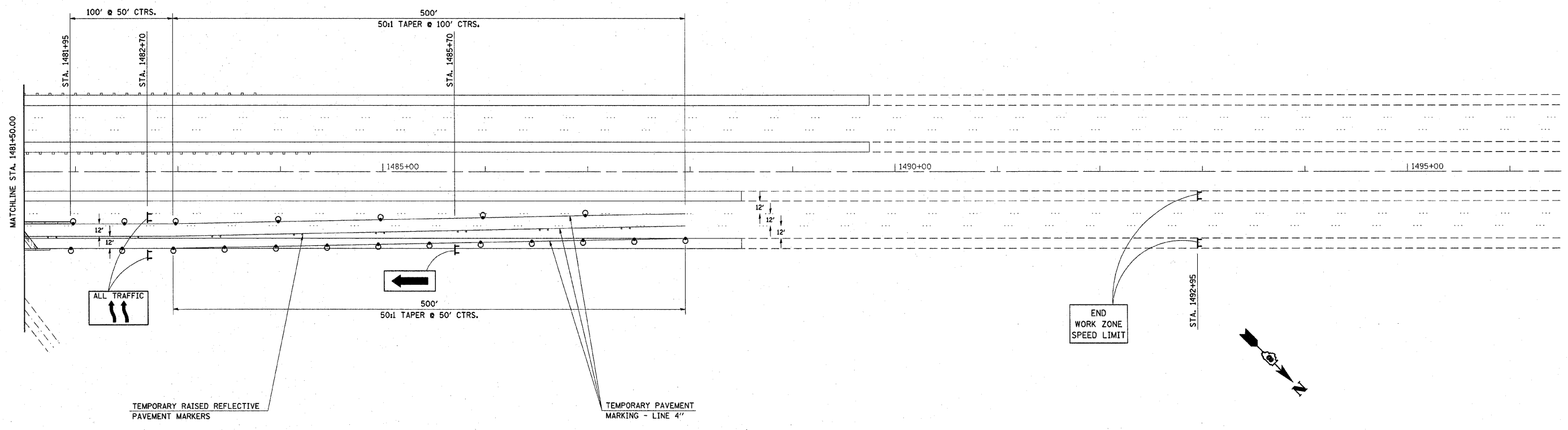


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|--|------------------------|------------|---|---|--|--------------------------|------------------------------|--------------------|--------------------|----------------|--|--|
| FILE NAME = c:\projects\ed06306\plan\stg06306a1.dgn | USER NAME = herbaugh-d | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | STAGE I CONSTRUCTION, NORTH BOUND | F.A.I. RTE. 255 | SECTION 60-8B-11 | COUNTY MADISON | TOTAL SHEETS 42 | SHEET NO. 8 | | |
| PLOT SCALE = 50.0000 / / IN. | CHECKED - | REVISED - | SCALE: 50 | | | SHEET NO. 8 OF 42 SHEETS | STA. 1466+50 TO STA. 1481+50 | CONTRACT NO. 76A25 | | | | |
| PLOT DATE = 12/20/2007 | DATE - | REVISED - | FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT | | | | | | | | | |
| | | | | | | | | | | | | |

- LEGEND**
-  W1-4b-(0)-48
(NO. OF ARROW SHALL MATCH THE NO. OF LANES OPEN TO TRAFFIC AND THE DIRECTION OF TRAVEL.)
 -  W13-1-(0) -24
 -  4' x 8'; 1" BORDER WITH 10" CAPITAL LETTERS
BACKGROUND SHEETING SHALL BE THE SAME AS ALL DIAMOND SHAPED CONSTRUCTION SIGNS. (STATE OWNED)
 -  W1-6(0) 7236 ATOP TYPE III BARRICADE
(DIRECTION OF ARROW SHALL MATCH DIRECTION OF TRAVEL.)
 -  G20-1103(0)-4830

- LEGEND**
-  DRUM WITH STEADY BURNING LIGHT
 -  DIRECTION INDICATOR BARRICADE WITH STEADY BURNING LIGHT
 -  TYPE III BARRICADE WITH STEADY BURNING LIGHTS
 -  TEMPORARY CONCRETE BARRIER
 -  IMPACT ATTENUATORS

STRUCTURE NUMBERS
 NORTHBOUND: 060-0218
 SOUTHBOUND: 060-0219



| | | | |
|---|----------------------------|------------|-----------|
| FILE NAME = | USER NAME = harbaughrd | DESIGNED - | REVISED - |
| c:\projects\ed06306\plan\stg06306e1.dgn | | DRAWN - | REVISED - |
| | PLOT SCALE = 50.0000 / IN. | CHECKED - | REVISED - |
| | PLOT DATE = 12/28/2007 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

STAGE I CONSTRUCTION, NORTH BOUND

SCALE: 50 SHEET NO. 9 OF 42 SHEETS STA. 1481+50 TO STA. 1496+50

| F.A.T. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------|---------|--------------------|-----------|
| 255 | 60-8B-11 | MADISON | 42 | 9 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 76A25 | |



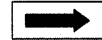
LEGEND
 W1-4b(0)-48
 (NO. OF ARROW SHALL MATCH THE NO. OF LANES OPEN TO TRAFFIC AND THE DIRECTION OF TRAVEL.)



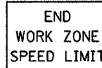
W13-1(0)-24



4' x 8'; 1" BORDER WITH 10" CAPITAL LETTERS
 BACKGROUND SHEETING SHALL BE THE SAME AS ALL DIAMOND SHAPED CONSTRUCTION SIGNS. (STATE OWNED)



W1-6(0) 7236 ATOP TYPE III BARRICADE
 (DIRECTION OF ARROW SHALL MATCH DIRECTION OF TRAVEL.)



G20-1103(0)-4830



LEGEND
 DRUM WITH STEADY BURNING LIGHT



DIRECTION INDICATOR BARRICADE WITH STEADY BURNING LIGHT



TYPE III BARRICADE WITH STEADY BURNING LIGHTS



TEMPORARY CONCRETE BARRIER

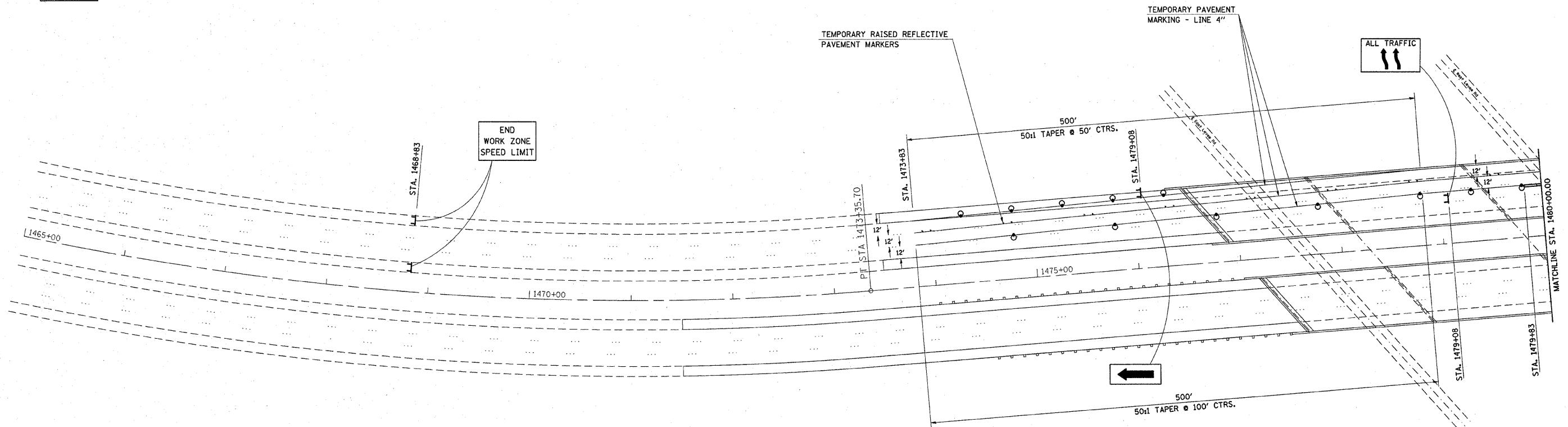


IMPACT ATTENUATORS

STRUCTURE NUMBERS

NORTHBOUND: 060-0218

SOUTHBOUND: 060-0219



PRE-STAGE DESCRIPTION OF WORK

CHANGEABLE MESSAGE BOARDS SHALL BE PLACED 2 WEEKS PRIOR TO CONSTRUCTION.

RE-ESTABLISH SHOULDERS AND RAISE INLETS AT STRUCTURE.

STAGE I DESCRIPTION OF WORK

TRAFFIC CONTROL SHALL BE INSTALLED AS SHOWN IN THE PLANS. THE COST OF THIS TRAFFIC CONTROL SHALL BE INCLUDED IN THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION."

TWO LANES OF THE ROADWAY SHALL BE OPENED ON THE RIGHT SIDE OF THE DIRECTION OF TRAFFIC.

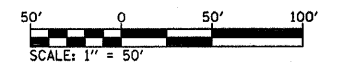
SEQUENCE OF CONSTRUCTION, STAGE I

REMOVE SKIP-DASH AND CONFLICTING SOLID EDGE PAVEMENT MARKINGS.

PLACE TRAFFIC CONTROL DETAILS ACCORDING TO PLANS.

PLACE TEMPORARY CONCRETE BARRIER AND IMPACT ATTENUATORS, TEMPORARY.

PERFORM ALL NECESSARY BRIDGE WORK IN STAGE I WORK ZONE.








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| | | DRAWN - | REVISED - |
| | PLOT SCALE = 50.0000 ' / IN. | CHECKED - | REVISED - |
| | PLOT DATE = 12/20/2007 | DATE - | REVISED - |






**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

STAGE I CONSTRUCTION, SOUTH BOUND

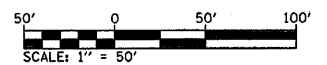
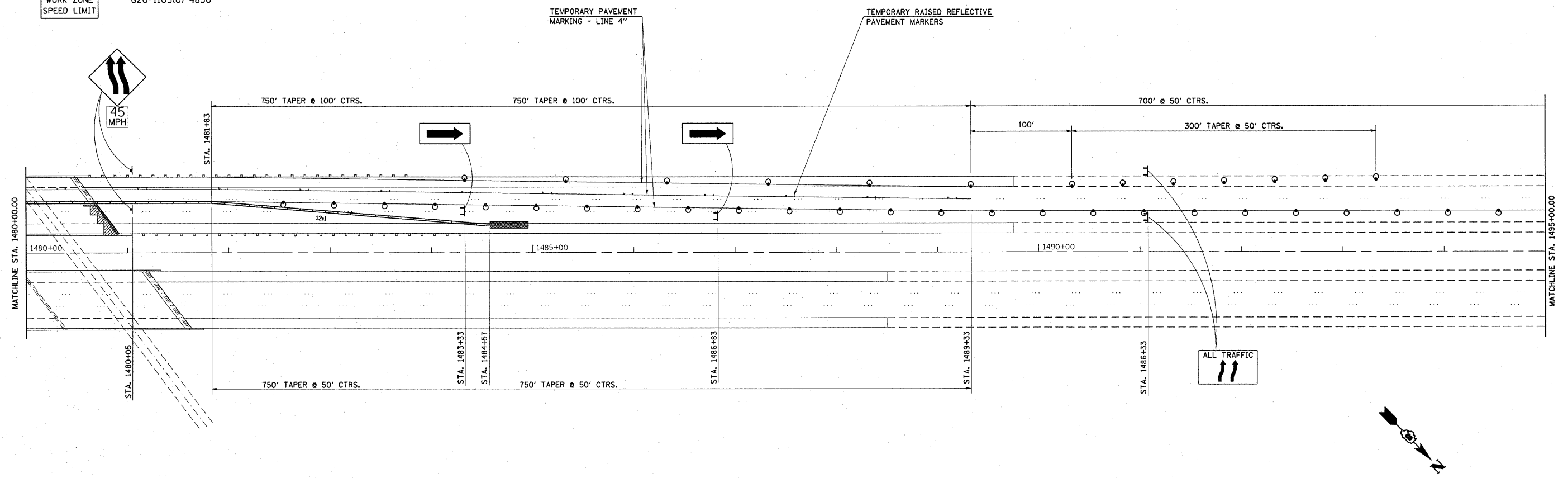
SCALE: 50 SHEET NO. 10 OF 42 SHEETS STA. 1465+00 TO STA. 1480+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------|---------|--------------|-----------|
| 255 | 60-8B-11 | MADISON | 42 | 10 |
| CONTRACT NO. 76A25 | | | | |
| FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT | | | | |

- LEGEND**
-  W1-4b-(0)-48
(NO. OF ARROW SHALL MATCH THE NO. OF LANES OPEN TO TRAFFIC AND THE DIRECTION OF TRAVEL.)
 -  W13-1-(0) -24
 -  4' x 8'; 1" BORDER WITH 10" CAPITAL LETTERS
BACKGROUND SHEETING SHALL BE THE SAME AS ALL DIAMOND SHAPED CONSTRUCTION SIGNS. (STATE OWNED)
 -  W1-6(0) 7236 ATOP TYPE III BARRICADE
(DIRECTION OF ARROW SHALL MATCH DIRECTION OF TRAVEL.)
 -  G20-1103(0)-4830

- LEGEND**
-  DRUM WITH STEADY BURNING LIGHT
 -  DIRECTION INDICATOR BARRICADE WITH STEADY BURNING LIGHT
 -  TYPE III BARRICADE WITH STEADY BURNING LIGHTS
 -  TEMPORARY CONCRETE BARRIER
 -  IMPACT ATTENUATORS

STRUCTURE NUMBERS
 NORTHBOUND: 060-0218
 SOUTHBOUND: 060-0219



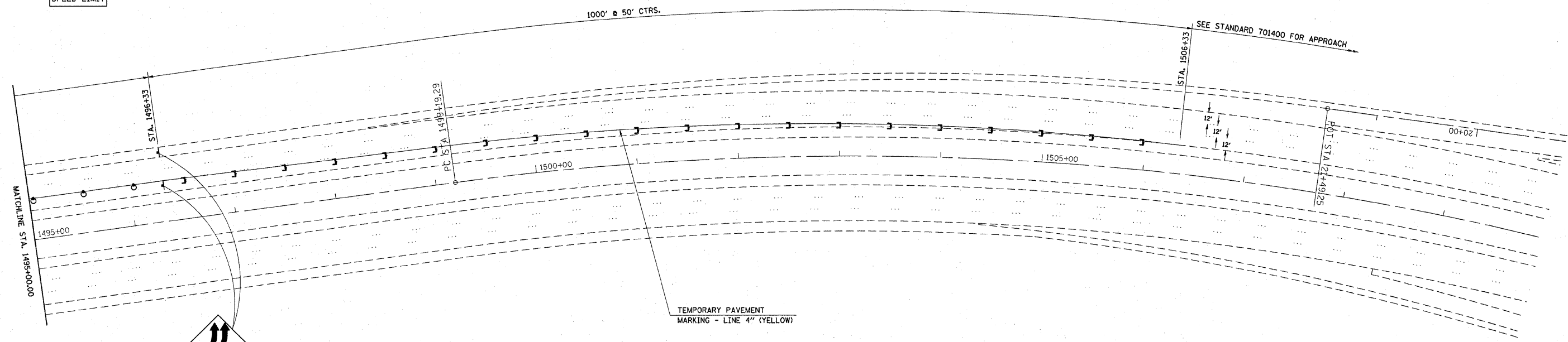
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|--|-----------------------------|------------|-----------|---|--|--------------------|-----------------|---|--------------|-----------|
| FILE NAME = c:\projects\ed06306\plan\stg06306b1.dgn | USER NAME = harbaugh:d | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | STAGE I CONSTRUCTION, SOUTH BOUND | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | PLOT SCALE = 50.0000' / IN. | DRAWN - | REVISED - | | | 255 | 60-8B-11 | MADISON | 42 | 11 |
| PLOT DATE = 12/20/2007 | CHECKED - | REVISED - | DATE - | SCALE: 50 | SHEET NO. 11 OF 42 SHEETS | STA. 1480+00 | TO STA. 1495+00 | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | |
| | | | | | | CONTRACT NO. 76A25 | | | | |

LEGEND

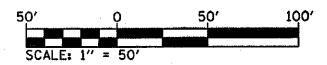
| | |
|--|---|
| | W1-4b-(0)-48 (NO. OF ARROW SHALL MATCH THE NO. OF LANES OPEN TO TRAFFIC AND THE DIRECTION OF TRAVEL.) |
| | W13-1-(0)-24 |
| | 4' x 8' 1" BORDER WITH 10" CAPITAL LETTERS BACKGROUND SHEETING SHALL BE THE SAME AS ALL DIAMOND SHAPED CONSTRUCTION SIGNS. (STATE OWNED) |
| | W1-6(0) 7236 ATOP TYPE III BARRICADE (DIRECTION OF ARROW SHALL MATCH DIRECTION OF TRAVEL.) |
| | G20-1103(0)-4830 |

LEGEND

| | |
|--|---|
| | DRUM WITH STEADY BURNING LIGHT |
| | DIRECTION INDICATOR BARRICADE WITH STEADY BURNING LIGHT |
| | TYPE III BARRICADE WITH STEADY BURNING LIGHTS |
| | TEMPORARY CONCRETE BARRIER |
| | IMPACT ATTENUATORS |



EXIST. CURVE 4
 PI STA. = 1506+23.01
 $\Delta = 27^\circ 36' 08''$ (RT)
 D = $2^\circ 00' 00''$
 R = 2,864.79'
 T = 703.72'
 L = 1,380.11'
 E = 85.17'
 E = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 1499+19.29
 P.T. STA. = 1512+99.40



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|--|------------------------|------------|-----------|
| FILE NAME = c:\projects\ed06306\plan\stg06306b1.dgn | USER NAME = herbaughrd | DESIGNED - | REVISED - |
| | | DRAWN - | REVISED - |
| | | CHECKED - | REVISED - |
| | | DATE - | REVISED - |
| | | | |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

STAGE I CONSTRUCTION, SOUTH BOUND

SCALE: 50 SHEET NO. 12 OF 42 SHEETS STA. 1495+00 TO STA. 1510+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------|---------|--------------|-----------|
| 255 | 60-8B-II | MADISON | 42 | 12 |
| CONTRACT NO. 76A25 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |



LEGEND
 W1-4b-(0)-48
 (NO. OF ARROW SHALL MATCH THE NO. OF LANES OPEN TO TRAFFIC AND THE DIRECTION OF TRAVEL.)



W13-1-(0) -24



4' x 8'; 1" BORDER WITH 10" CAPITAL LETTERS
 BACKGROUND SHEETING SHALL BE THE SAME AS ALL DIAMOND SHAPED CONSTRUCTION SIGNS. (STATE OWNED)



W1-6(0) 7236 ATOP TYPE III BARRICADE
 (DIRECTION OF ARROW SHALL MATCH DIRECTION OF TRAVEL.)



G20-1103(0)-4830



LEGEND
 DRUM WITH STEADY BURNING LIGHT



DIRECTION INDICATOR BARRICADE WITH STEADY BURNING LIGHT



TYPE III BARRICADE WITH STEADY BURNING LIGHTS



TEMPORARY CONCRETE BARRIER



IMPACT ATTENUATORS

STAGE II DESCRIPTION OF WORK

TRAFFIC CONTROL SHALL BE INSTALLED AS SHOWN IN THE PLANS. THE COST OF THIS TRAFFIC CONTROL SHALL BE INCLUDED IN THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION."

TWO LANES OF THE ROADWAY SHALL BE OPENED ON THE LEFT SIDE OF THE DIRECTION OF TRAFFIC.

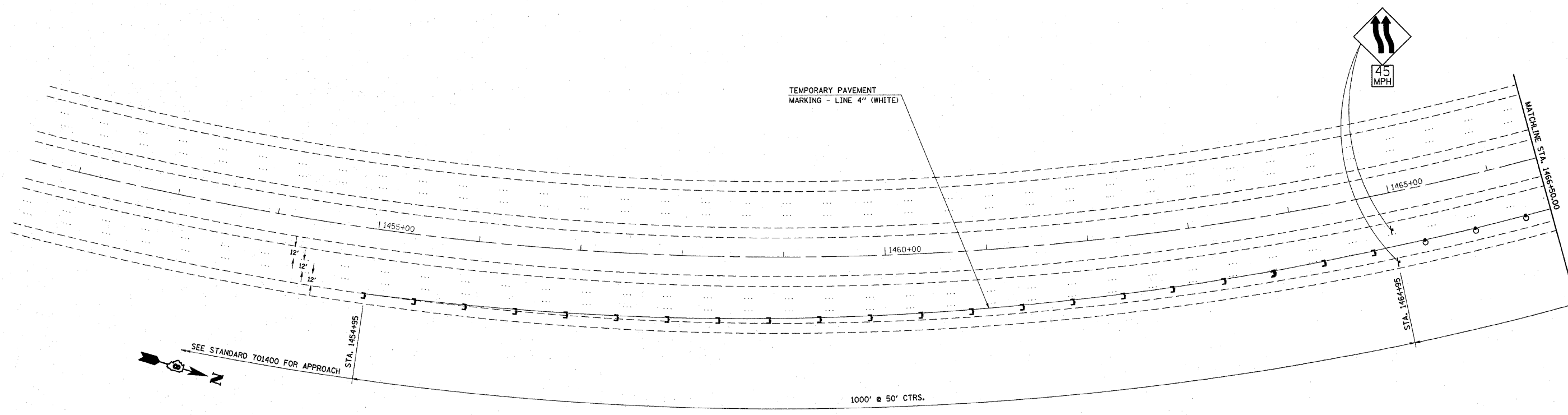
SEQUENCE OF CONSTRUCTION, STAGE II

REMOVE SKIP-DASH AND CONFLICTING SOLID EDGE PAVEMENT MARKINGS.

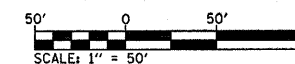
PLACE TRAFFIC CONTROL DETAILS ACCORDING TO PLANS.

RELOCATE TEMPORARY CONCRETE BARRIER AND IMPACT ATTENUATORS, TEMPORARY.

PERFORM ALL NECESSARY BRIDGE WORK IN STAGE II WORK ZONE.








EXIST. CURVE 3
 PI STA. = 1459+11.93
 $\Delta = 64^\circ 55' 19''$ (LT)
 $D = 2^\circ 00' 00''$
 $R = 2,864.79'$
 $T = 1,822.33'$
 $L = 3,246.10'$
 $E = 530.49'$
 $E = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 1440+89.60$
 $P.T. STA. = 1473+35.70$








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| FILE NAME = c:\projects\ed06306\plan\stg06306cl.dgn | USER NAME = harbaughrd | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | STAGE II CONSTRUCTION, NORTH BOUND | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| | | DRAWN - | REVISED - | | | 255 | 60-8B-II | MADISON | 42 | 13 | |
| | | PLLOT SCALE = 50.0000 / IN. | CHECKED - | | | SCALE: 50 SHEET NO. 13 OF 42 SHEETS STA. 1451+50 TO STA. 1466+50 | | | | | |
| | | PLLOT DATE = 12/28/2007 | DATE - | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | |
| | | | | | | CONTRACT NO. 76A25 | | | | | |

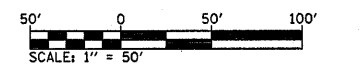
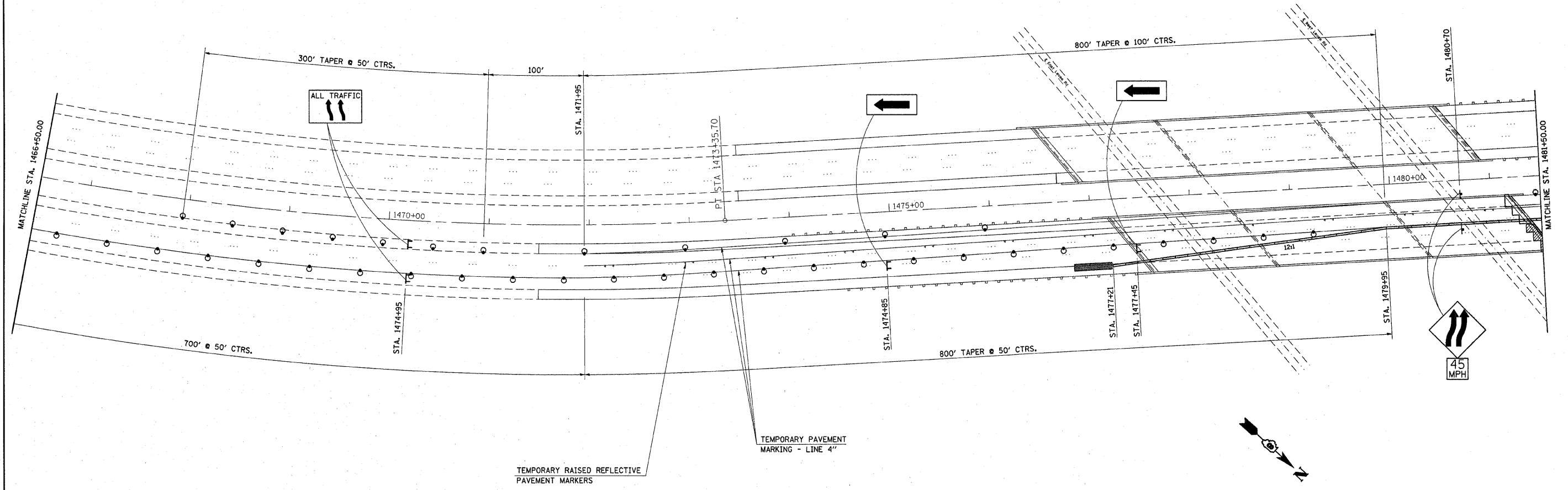
LEGEND

| | |
|---|---|
|  | W1-4b-(0)-48 (NO. OF ARROW SHALL MATCH THE NO. OF LANES OPEN TO TRAFFIC AND THE DIRECTION OF TRAVEL.) |
|  | W13-1-(0) -24 |
|  | 4' x 8' 1" BORDER WITH 10" CAPITAL LETTERS BACKGROUND SHEETING SHALL BE THE SAME AS ALL DIAMOND SHAPED CONSTRUCTION SIGNS. (STATE OWNED) |
|  | W1-6(0) 7236 ATOP TYPE III BARRICADE (DIRECTION OF ARROW SHALL MATCH DIRECTION OF TRAVEL.) |
|  | G20-1103(0)-4830 |






LEGEND






| | |
|---|---|
|  | DRUM WITH STEADY BURNING LIGHT |
|  | DIRECTION INDICATOR BARRICADE WITH STEADY BURNING LIGHT |
|  | TYPE III BARRICADE WITH STEADY BURNING LIGHTS |
|  | TEMPORARY CONCRETE BARRIER |
|  | IMPACT ATTENUATORS |

STRUCTURE NUMBERS
 NORTHBOUND: 060-0218
 SOUTHBOUND: 060-0219

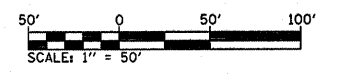
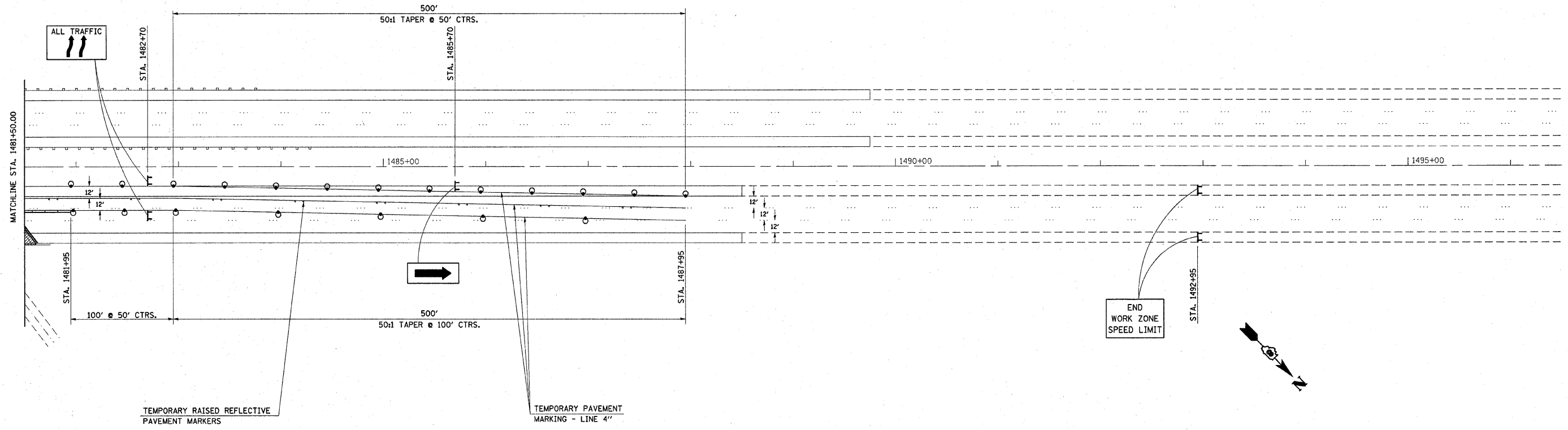


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| FILE NAME = c:\projects\ed06306\plan\stg06306c1.dgn | USER NAME = harbaughrd | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | STAGE II CONSTRUCTION, NORTH BOUND | F.A.I. RTE. 255 | SECTION 60-8B-II | COUNTY MADISON | TOTAL SHEETS 42 | SHEET NO. 14 | | |
| | PLOT SCALE = 50.0000 / IN. | DRAWN - | REVISED - | | | SCALE: 50 | SHEET NO. 14 OF 42 SHEETS | STA. 1466+50 | TO STA. 1481+50 | CONTRACT NO. 76A25 | | |
| | PLOT DATE = 12/20/2007 | CHECKED - | REVISED - | | | FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT | | | | | | |
| | | DATE - | REVISED - | | | | | | | | | |

- LEGEND**
-  W1-4b-(O)-48
(NO. OF ARROW SHALL MATCH THE NO. OF LANES OPEN TO TRAFFIC AND THE DIRECTION OF TRAVEL.)
 -  W13-1-(O) -24
 -  4' x 8'; 1" BORDER WITH 10" CAPITAL LETTERS
BACKGROUND SHEETING SHALL BE THE SAME AS ALL DIAMOND SHAPED CONSTRUCTION SIGNS. (STATE OWNED)
 -  W1-6(O) 7236 ATOP TYPE III BARRICADE
(DIRECTION OF ARROW SHALL MATCH DIRECTION OF TRAVEL.)
 -  G20-I103(O)-4830

- LEGEND**
-  DRUM WITH STEADY BURNING LIGHT
 -  DIRECTION INDICATOR BARRICADE WITH STEADY BURNING LIGHT
 -  TYPE III BARRICADE WITH STEADY BURNING LIGHTS
 -  TEMPORARY CONCRETE BARRIER
 -  IMPACT ATTENUATORS

STRUCTURE NUMBERS
 NORTHBOUND: 060-0218
 SOUTHBOUND: 060-0219



| | | | | | | | | | | | | |
|--|------------------------|------------|-----------|---|---|---------------------------|------------------------------|---|---------------------|-------------------|-----------------------|--------------------|
| FILE NAME = c:\projects\ed06306\plan\stg06306cl.dgn | USER NAME = herbaughrd | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | STAGE II CONSTRUCTION, NORTH BOUND | | | F.A.I. RTE. 295 | SECTION 60-8B-11 | COUNTY MADISON | TOTAL SHEETS 42 | SHEET NO. 15 |
| PLOT SCALE = 50.0000 // IN. | | DRAWN - | REVISED - | | SCALE: 50 | SHEET NO. 15 OF 42 SHEETS | STA. 1481+50 TO STA. 1496+50 | FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT | | | | |
| PLOT DATE = 12/20/2007 | | CHECKED - | REVISED - | | CONTRACT NO. 76A25 | | | | | | | |
| | | DATE - | REVISED - | | | | | | | | | |

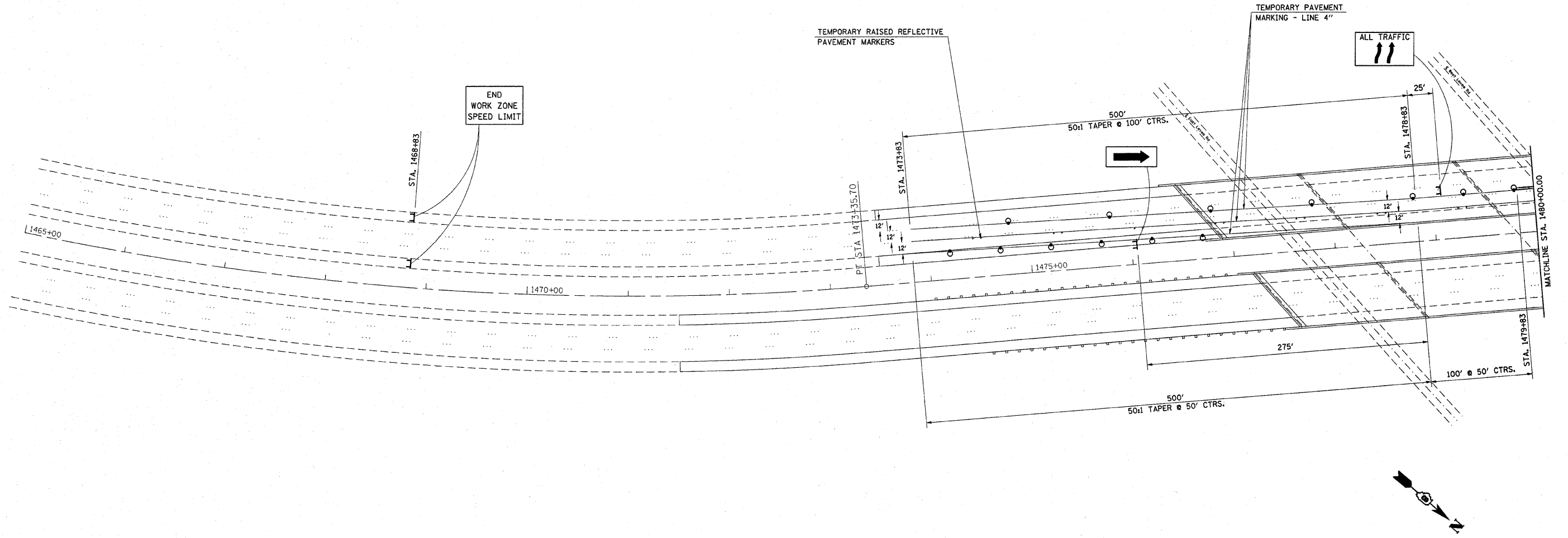
LEGEND

| | |
|--|--|
| | W1-4b-(O)-48 (NO. OF ARROW SHALL MATCH THE NO. OF LANES OPEN TO TRAFFIC AND THE DIRECTION OF TRAVEL.) |
| | W13-1-(O) -24 |
| | 4' x 8'; 1" BORDER WITH 10" CAPITAL LETTERS BACKGROUND SHEETING SHALL BE THE SAME AS ALL DIAMOND SHAPED CONSTRUCTION SIGNS. (STATE OWNED) |
| | W1-6(O) 7236 ATOP TYPE III BARRICADE (DIRECTION OF ARROW SHALL MATCH DIRECTION OF TRAVEL.) |
| | G20-1103(O)-4830 |

LEGEND

| | |
|--|---|
| | DRUM WITH STEADY BURNING LIGHT |
| | DIRECTION INDICATOR BARRICADE WITH STEADY BURNING LIGHT |
| | TYPE III BARRICADE WITH STEADY BURNING LIGHTS |
| | TEMPORARY CONCRETE BARRIER |
| | IMPACT ATTENUATORS |

STRUCTURE NUMBERS
 NORTHBOUND: 060-0218
 SOUTHBOUND: 060-0219



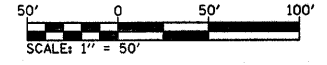
STAGE II DESCRIPTION OF WORK

TRAFFIC CONTROL SHALL BE INSTALLED AS SHOWN IN THE PLANS. THE COST OF THIS TRAFFIC CONTROL SHALL BE INCLUDED IN THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION."






TWO LANES OF THE ROADWAY SHALL BE OPENED ON THE LEFT SIDE OF THE DIRECTION OF TRAFFIC.






SEQUENCE OF CONSTRUCTION, STAGE II

- REMOVE SKIP-DASH AND CONFLICTING SOLID EDGE PAVEMENT MARKINGS.
- PLACE TRAFFIC CONTROL DETAILS ACCORDING TO PLANS.
- RELOCATE TEMPORARY CONCRETE BARRIER AND IMPACT ATTENUATORS, TEMPORARY.
- PERFORM ALL NECESSARY BRIDGE WORK IN STAGE II WORK ZONE.

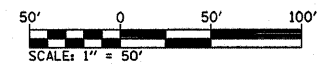
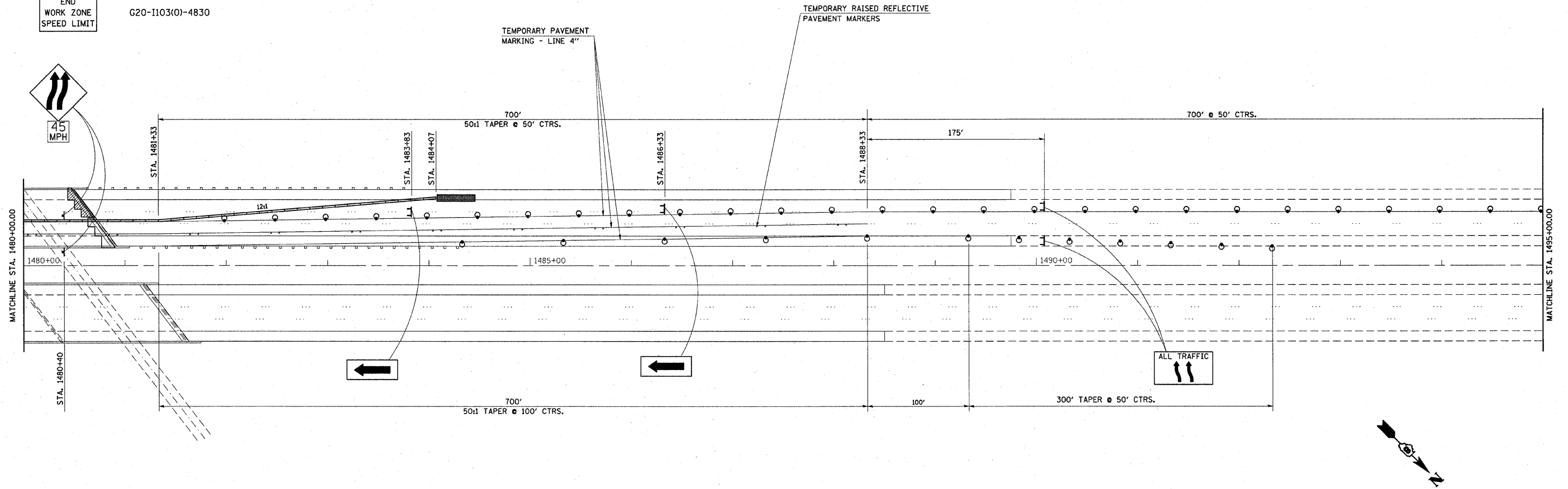


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|--|------------------------|------------|---|---|---|---------------------------|------------------------------|--------------------|--------------------|-----------------|--|
| FILE NAME = c:\projects\ed06306\plan\stg06306d1.dgn | USER NAME = herbaughrd | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | STAGE II CONSTRUCTION, SOUTH BOUND | F.A.I. RTE. 255 | SECTION 60-8B-11 | COUNTY MADISON | TOTAL SHEETS 42 | SHEET NO. 16 | |
| PLOT SCALE = 50.0000' / IN. | CHECKED - | REVISED - | SCALE: 50 | | | SHEET NO. 16 OF 42 SHEETS | STA. 1465+00 TO STA. 1480+00 | CONTRACT NO. 76A25 | | | |
| PLOT DATE = 12/20/2007 | DATE - | REVISED - | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | | | | |
| | | | | | | | | | | | |

- LEGEND**
-  W1-4b-(0)-48
(NO. OF ARROW SHALL MATCH THE NO. OF LANES OPEN TO TRAFFIC AND THE DIRECTION OF TRAVEL.)
 -  W13-1-(0) -24
 -  4' x 8'; 1" BORDER WITH 10" CAPITAL LETTERS
BACKGROUND SHEETING SHALL BE THE SAME AS ALL DIAMOND SHAPED CONSTRUCTION SIGNS. (STATE OWNED)
 -  W1-6(0) 7236 ATOP TYPE III BARRICADE
(DIRECTION OF ARROW SHALL MATCH DIRECTION OF TRAVEL.)
 -  G20-I103(0)-4830

- LEGEND**
-  DRUM WITH STEADY BURNING LIGHT
 -  DIRECTION INDICATOR BARRICADE WITH STEADY BURNING LIGHT
 -  TYPE III BARRICADE WITH STEADY BURNING LIGHTS
 -  TEMPORARY CONCRETE BARRIER
 -  IMPACT ATTENUATORS

STRUCTURE NUMBERS
 NORTHBOUND: 060-0218
 SOUTHBOUND: 060-0219



| | | | |
|--|-----------------------------|------------|-----------|
| FILE NAME = c:\projects\ed86308\plan\stg86308d1.dgn | USER NAME = harbaugh:d | DESIGNED - | REVISED - |
| | | DRAWN - | REVISED - |
| | PLOT SCALE = 50.0000' / IN. | CHECKED - | REVISED - |
| | PLOT DATE = 12/20/2007 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

STAGE II CONSTRUCTION, SOUTH BOUND
 SCALE: 50 SHEET NO. 17 OF 42 SHEETS STA. 1480+00 TO STA. 1495+00

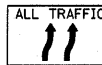
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------|---------|--------------|-----------|
| 255 | 60-8B-11 | MADISON | 42 | 17 |
| CONTRACT NO. 76A25 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |



W1-4b-(O)-48
(NO. OF ARROW SHALL MATCH THE NO. OF LANES OPEN TO TRAFFIC AND THE DIRECTION OF TRAVEL.)



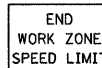
W13-1-(O) -24



4' x 8' 1" BORDER WITH 10" CAPITAL LETTERS
BACKGROUND SHEETING SHALL BE THE SAME AS ALL DIAMOND SHAPED CONSTRUCTION SIGNS. (STATE OWNED)



W1-6(O) 7236 ATOP TYPE III BARRICADE
(DIRECTION OF ARROW SHALL MATCH DIRECTION OF TRAVEL.)



G20-1103(O)-4830

LEGEND



DRUM WITH STEADY BURNING LIGHT



DIRECTION INDICATOR BARRICADE WITH STEADY BURNING LIGHT



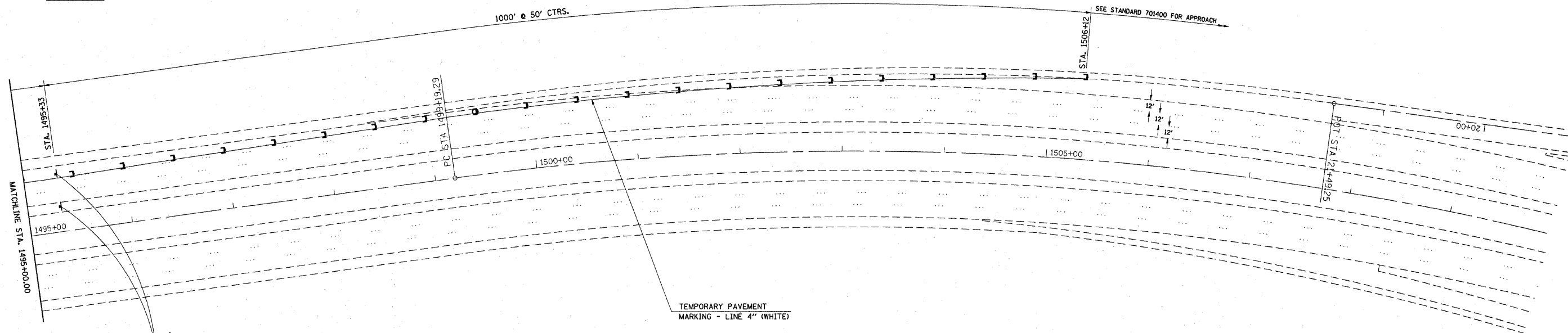
TYPE III BARRICADE WITH STEADY BURNING LIGHTS



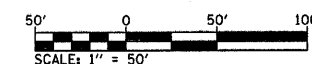
TEMPORARY CONCRETE BARRIER



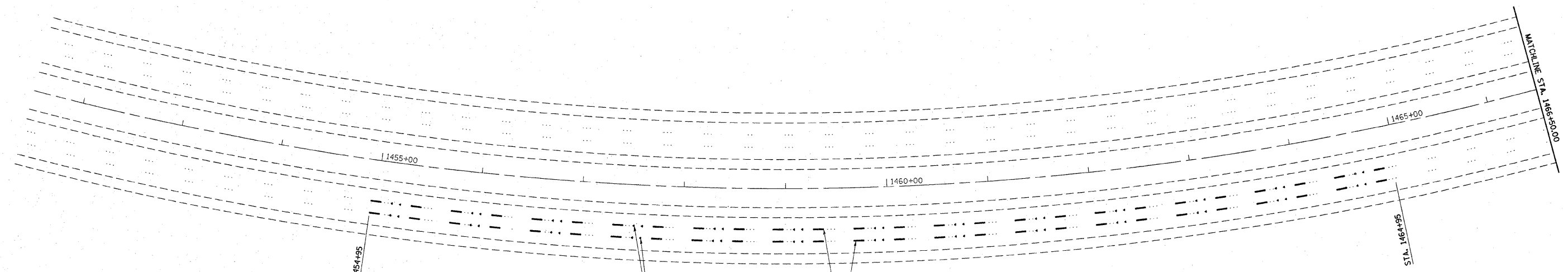
IMPACT ATTENUATORS



EXIST. CURVE 4
 PI STA. = 1506+23.01
 $\Delta = 27^\circ 36' 08''$ (RT)
 $D = 2^\circ 00' 00''$
 $R = 2,864.79'$
 $T = 703.72'$
 $L = 1,380.11'$
 $E = 85.17'$
 $E = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 $P.C. \text{ STA.} = 1499+19.29$
 $P.T. \text{ STA.} = 1512+99.40$



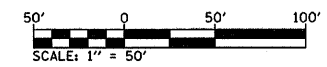
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| FILE NAME = c:\projects\ed06306\plan\stg06306d1.dgn | USER NAME = harbaughrd | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | STAGE II CONSTRUCTION, SOUTH BOUND | | F.A.I. RTE. 255 | SECTION 60-8B-11 | COUNTY MADISON | TOTAL SHEETS 42 | SHEET NO. 18 | |
| PLOT SCALE = 50.0000' / IN. | CHECKED - | REVISED - | REVISED - | | SCALE: 50 | SHEET NO. 18 OF 42 SHEETS | STA. 1495+00 TO STA. 1510+00 | CONTRACT NO. 76A25 | | | | |
| PLOT DATE = 12/20/2007 | DATE - | REVISED - | REVISED - | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | | | |
| | | | | | | | | | | | | |



EXIST. CURVE 3
 PI STA. = 1459+11.93
 Δ = 64° 55' 19" (LT)
 D = 2° 00' 00"
 R = 2,864.79'
 T = 1,822.33'
 L = 3,246.10'
 E = 530.49'
 E = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 1440+89.60
 P.T. STA. = 1473+35.70

NOTES:

SEE STANDARD 781001 FOR PAVEMENT MARKING DETAILS.
 REPLACEMENT REFLECTORS WERE REMOVED FOR STAGE CONSTRUCTION.



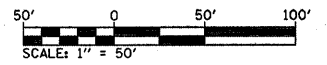
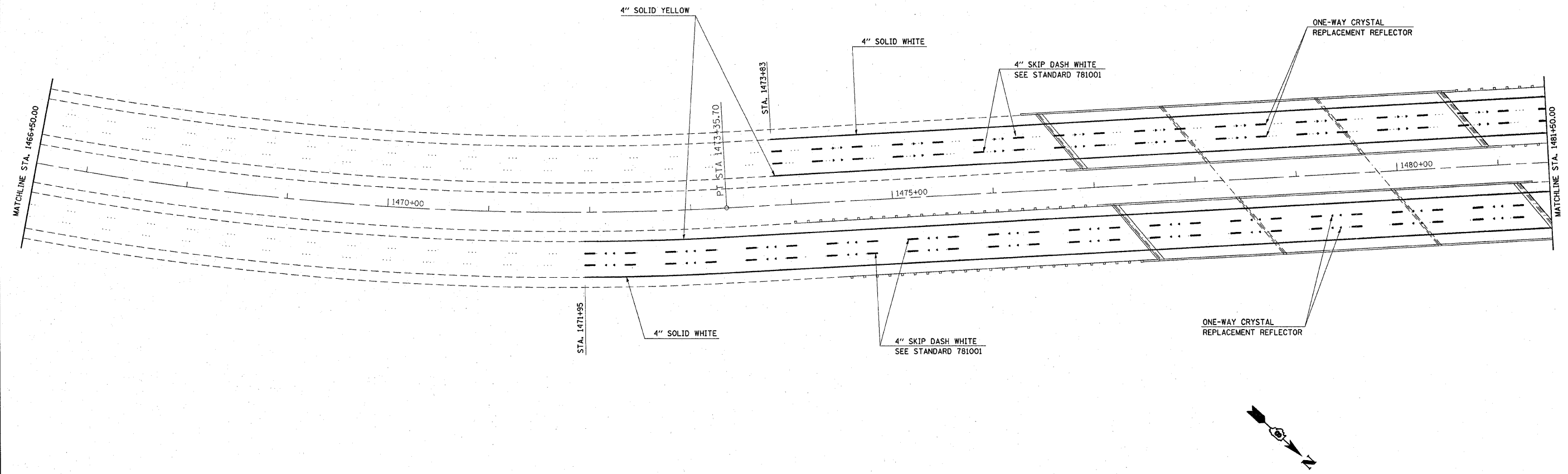
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| | | DRAWN - | REVISED - |
| | PLOT SCALE = 50.0000' / IN. | CHECKED - | REVISED - |
| | PLOT DATE = 12/20/2007 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING

SCALE: 50 SHEET NO. 19 OF 42 SHEETS STA. 1451+50 TO STA. 1466+50

| | | | | |
|-----------------------|---------------------|-------------------|---------------------------|--------------------|
| F.A.I. RTE. 255 | SECTION 60-8B-II | COUNTY MADISON | TOTAL SHEETS 42 | SHEET NO. 19 |
| FED. ROAD DIST. NO. | | | ILLINOIS FED. AID PROJECT | |
| CONTRACT NO. 76A25 | | | | |



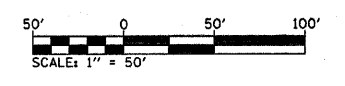
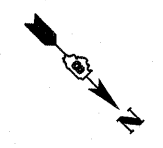
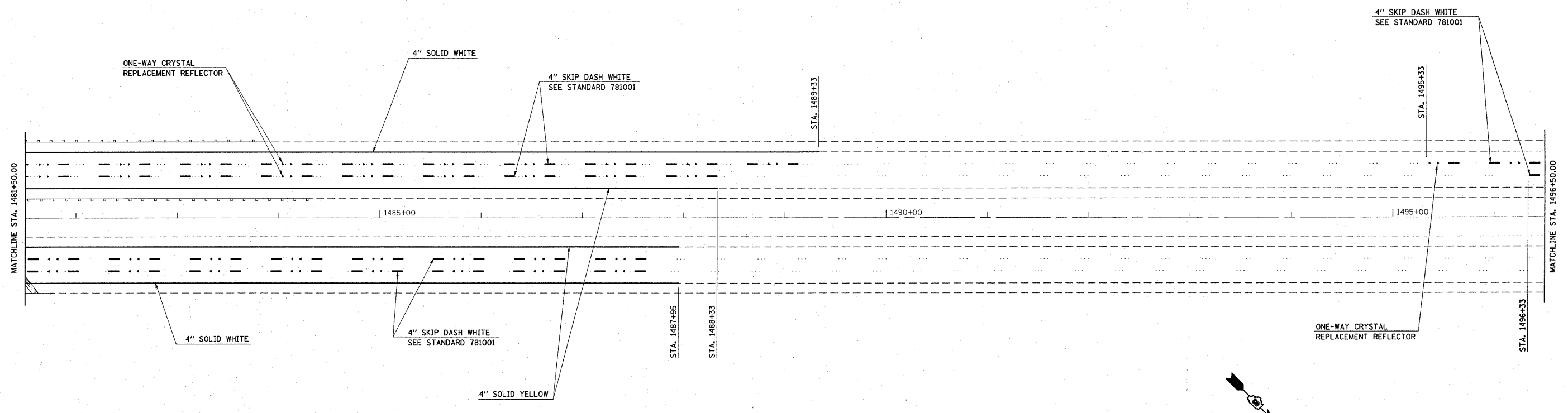
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| | | DRAWN - | REVISED - |
| | PLOT SCALE = 50.0000' / IN. | CHECKED - | REVISED - |
| | PLOT DATE = 12/20/2007 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING

SCALE: 50 SHEET NO. 20 OF 42 SHEETS STA. 1466+50 TO STA. 1481+50

| | | | | |
|---|----------|---------|-----------------|--------------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 255 | 60-8B-11 | MADISON | 42 | 20 |
| CONTRACT NO. 76A25 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

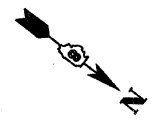
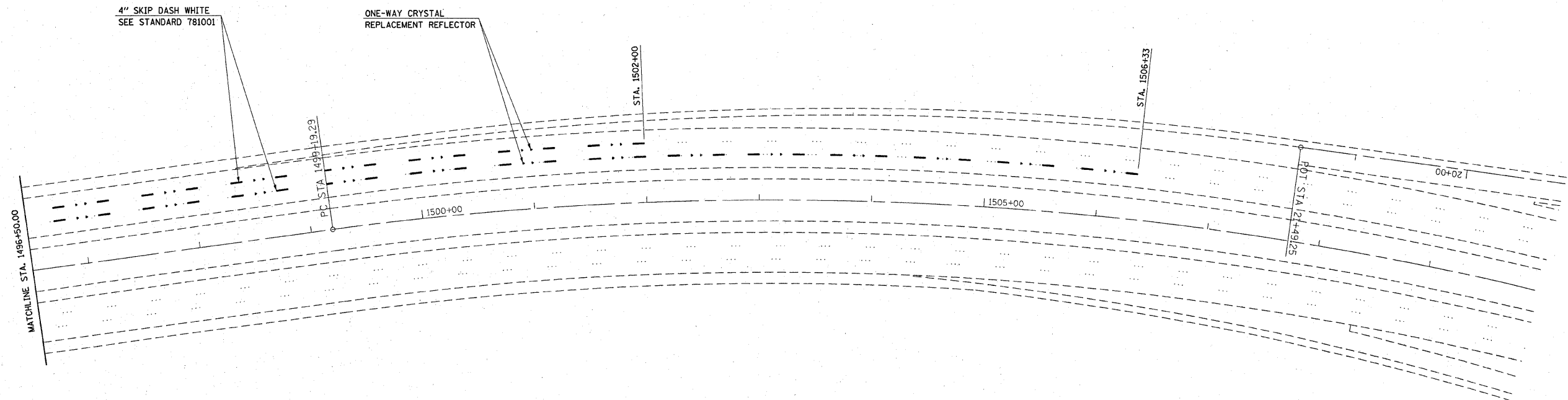


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| | | DRAWN - | REVISED - |
| | PLOT SCALE = 50.0000' / IN. | CHECKED - | REVISED - |
| | PLOT DATE = 12/20/2007 | DATE - | REVISED - |

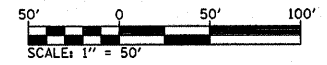
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| PAVEMENT MARKING | | | |
|------------------|---------------------------|--------------|-----------------|
| SCALE: 50 | SHEET NO. 21 OF 42 SHEETS | STA. 1481+50 | TO STA. 1496+50 |

| | | | | |
|---|---------------------|-------------------|--------------------|-----------------|
| F.A.J. RTE. 255 | SECTION 60-8B-11 | COUNTY MADISON | TOTAL SHEETS 42 | SHEET NO. 21 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 76A25 | |



EXIST. CURVE 4
 PI STA. = 1506+23.01
 $\Delta = 27^\circ 36' 08''$ (RT)
 D = 2° 00' 00"
 R = 2,864.79'
 T = 703.72'
 L = 1,380.11'
 E = 85.17'
 E = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 1499+19.29
 P.T. STA. = 1512+99.40



| | | | |
|---|-----------------------------|------------|-----------|
| FILE NAME = c:\projects\ed06306\plan\pvtmk06306a.dgn | USER NAME = harbaugh-d | DESIGNED - | REVISED - |
| | | DRAWN - | REVISED - |
| | PLOT SCALE = 50.0000' / IN. | CHECKED - | REVISED - |
| | PLOT DATE = 12/20/2007 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING

SCALE: 50 SHEET NO. 22 OF 42 SHEETS STA. 1496+50 TO STA. 1510+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--|----------|---------|--------------------|-----------|
| 255 | 60-8B-II | MADISON | 42 | 22 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 76A25 | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

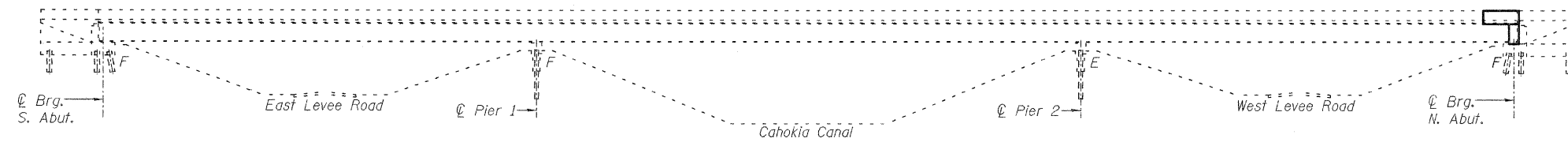
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|----------|------------------|--------------|-----------|
| S.B.I. F.A.I. 255 | 60-8B-II | Madison | 23 | 42 |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT | | |

SHEET NO. 1
14 SHEETS

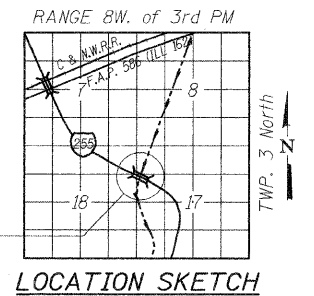
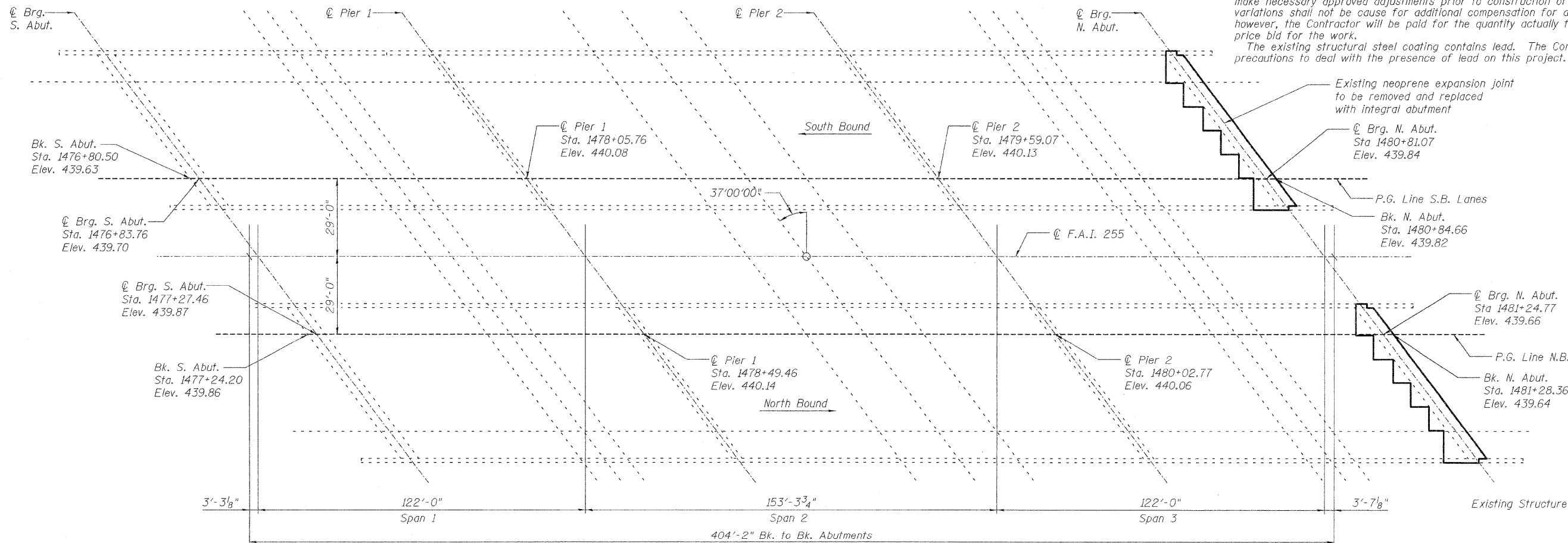
Contract # 76A25

GENERAL NOTES

No welding is permitted except as specified in the contract plans.
Reinforcement bars shall conform to the requirements of ASTM A706 Gr 60 (IL Modified).
See Special Provisions.
Reinforcement bars designated (E) shall be epoxy coated.
Prior to pouring the new concrete, 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, as specified in the Special Provision "Cleaning and Painting Existing Steel Structures".
The designated areas to be cleaned shall be prepared according to SSPC-SP3; Power Tool Cleaned using vacuum-shrouded power tools equipped with Hepa Filtration.
The Contractor shall repair all damage to the existing coating system at no cost to the Department. If the damage extends to the substrate and the original preparation involved abrasive blast cleaning, the damaged areas shall be prepared to Power Tool Cleaning-Commercial Grade. If the original preparation was other than blast cleaning or the damage does not extend to the substrate, the loose fractured paint shall be cleaned to Power Tool Cleaning-Modified SP3.
Structural steel shall be painted for a distance equal to the depth of embedment into the concrete cap plus 3 in. Paint System 1 shall be used; organic zinc-rich primer only. The painting shall be according to the requirements for primary and secondary connections of painted surfaces.
As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The welded areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by an individual acceptable to the Engineer. Any cracks that can not be removed by grinding $\frac{1}{4}$ in. 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.
Plan dimensions and details relative to existing plans are subject to routine 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 based upon the unit price bid for the work.
The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.



ELEVATION



PLAN

| | |
|----------|-----|
| DESIGNED | DB |
| CHECKED | RS |
| DRAWN | CLS |
| CHECKED | WWH |



Wesley W. Herndon
WESLEY W. HERNDON, S.E. DATE: Jan 9, 2008

GENERAL PLAN & ELEVATION
F.A.I. RTE. 255 OVER CAHOKIA CANAL
SECTION 60-8B-II
STATION 1479+10.00
MADISON COUNTY
S.N. 060-0218 & 0219

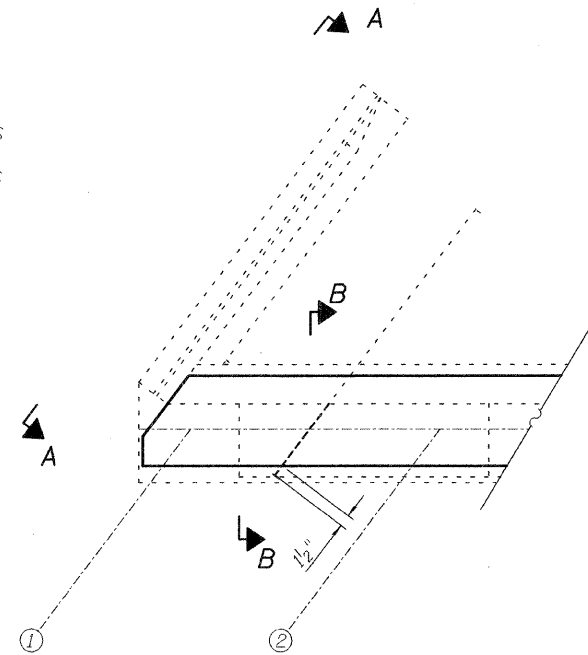
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | | |
|-----------------------|----------|-------------------|--------------|-----------|-------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. 2 |
| S.B.I. | 60-8B-II | Madison | 24 | 42 | 14 SHEETS |
| F.A.I. 255 | | | | | |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT- | | | |

Contract # 76A25

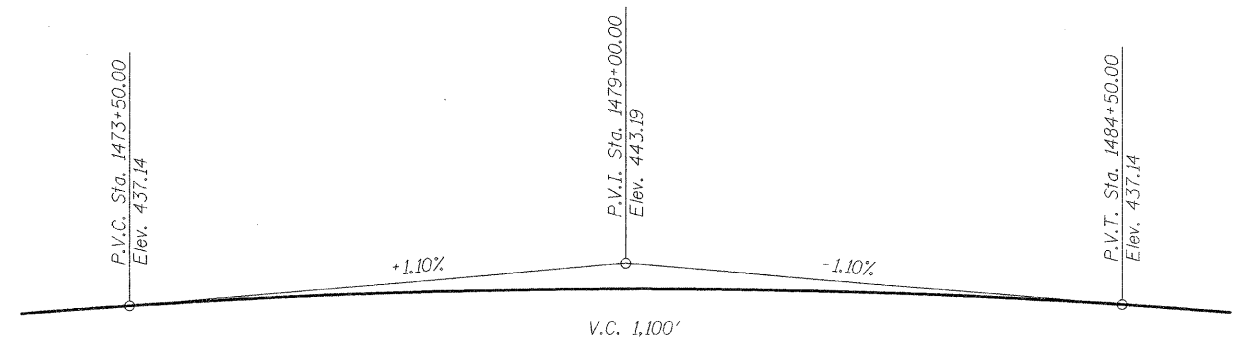
INDEX OF SHEETS

1. GENERAL PLAN & ELEVATION
2. INDEX OF SHEETS, TOTAL BILL OF MATERIAL
3. STAGE CONSTRUCTION, S.B. & N.B. LANES
4. SUPERSTRUCTURE REMOVAL AT N. ABUT., S.B. LANES
5. SUPERSTRUCTURE REMOVAL AT N. ABUT., N.B. LANES
6. SUPERSTRUCTURE REPLACEMENT AT N. ABUT., S.B. LANES
7. SUPERSTRUCTURE REPLACEMENT AT N. ABUT., N.B. LANES
8. SUPERSTRUCTURE DETAILS, S.B. & N.B. LANES
9. SUPERSTRUCTURE DETAILS, S.B. LANES
10. SUPERSTRUCTURE DETAILS, N.B. LANES
11. NORTH ABUTMENT DETAILS, S.B. LANES
12. NORTH ABUTMENT DETAILS, N.B. LANES
13. BAR SPLICERS
14. TEMPORARY CONCRETE BARRIER



PARTIAL PLAN

at North Abut. S.B. Lanes



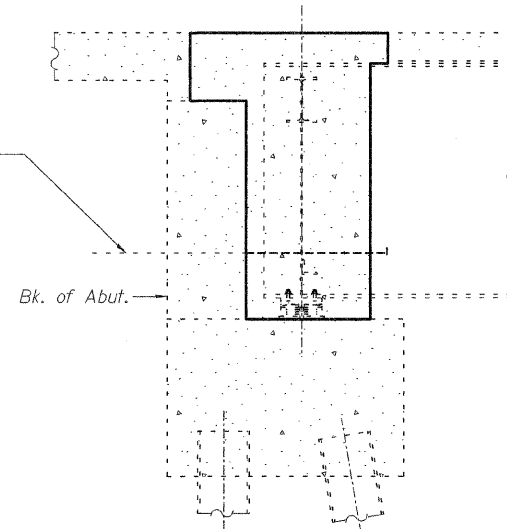
F.A.I 255 PROFILE GRADE

TOTAL BILL OF MATERIAL

| ITEM | UNIT | SUPER | SUB | TOTAL |
|--|----------|--------|-----|--------|
| Concrete Removal | Cu. Yd. | 45 | | 45 |
| Concrete Superstructure | Cu. Yd. | 122.9 | | 122.9 |
| Bridge Deck Grooving | Sq. Yd. | 131 | | 131 |
| * Protective Coat | Sq. Yd. | 146 | | 146 |
| Reinforcement Bars, Epoxy Coated | Pound | 16,040 | | 16,040 |
| Bar Splicers | Each | 52 | | 52 |
| Cleaning and Painting Steel Bridge No. 1 | Lump Sum | 1 0.5 | | 1 0.5 |
| Cleaning and Painting Steel Bridge No. 2 | Lump Sum | 1 0.5 | | 1 0.5 |
| Containment and Disposal of Lead Paint Cleaning Residues No. 1 | Lump Sum | 1 0.5 | | 1 0.5 |
| Containment and Disposal of Lead Paint Cleaning Residues No. 2 | Lump Sum | 1 0.5 | | 1 0.5 |

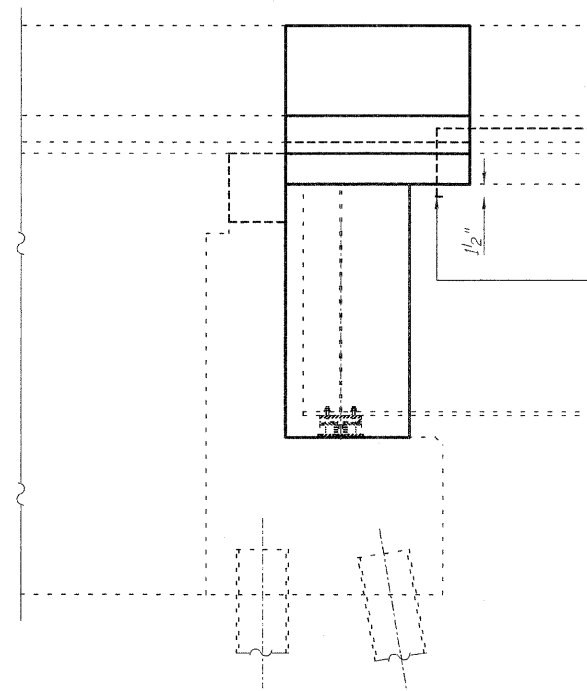
* Quantity is for inside and top surface of Parapet and Deck.

Remove and replace the damaged section of conduit.
The conduit in the diaphragm shall extend past
the face of the new construction.
Thread and cap the end of the conduit.
Cost included with Concrete Structures.



SECTION B-B

Remove junction box.
The conduit in the parapet shall extend past
the face of the new construction.
Thread and cap the end of the conduit.
Cost included with Concrete Structures.



VIEW A-A

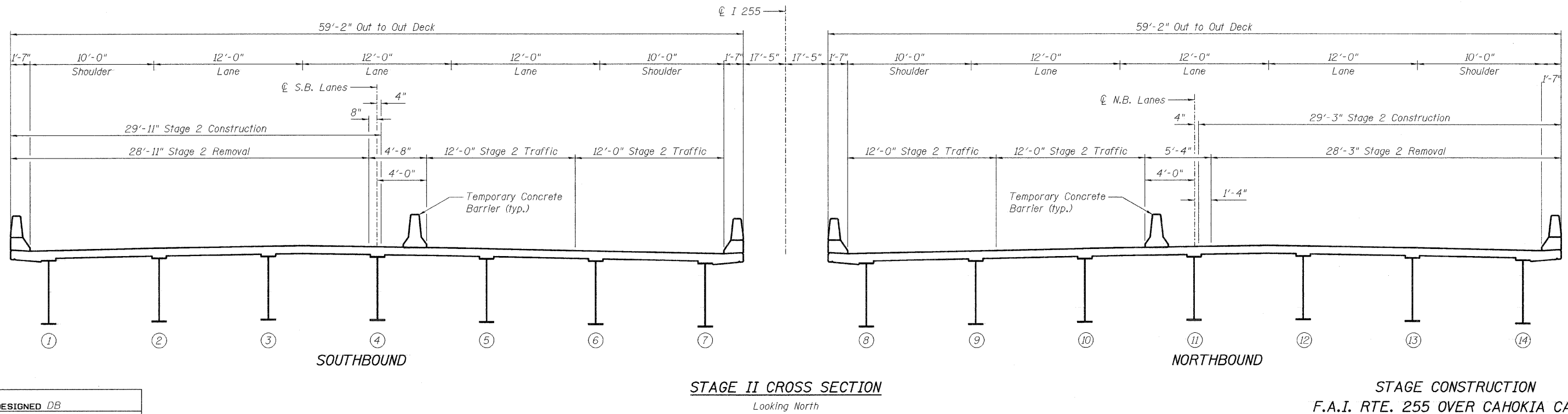
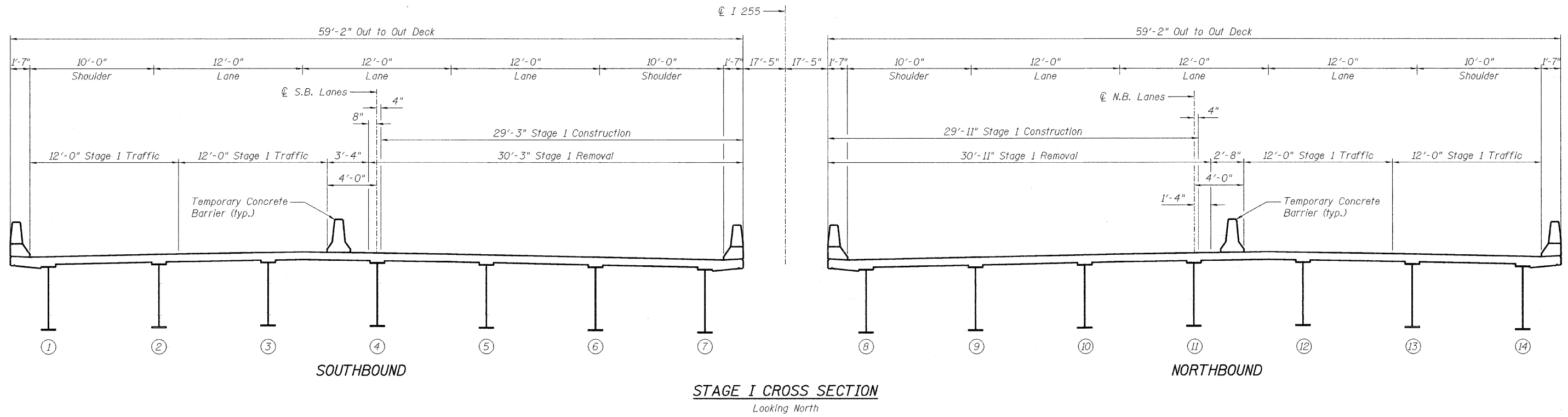
| | |
|----------|-----|
| DESIGNED | DB |
| CHECKED | RS |
| DRAWN | CLS |
| CHECKED | WWH |

INDEX OF SHEETS &
BILL OF MATERIAL
F.A.I. RTE. 255 OVER CAHOKIA CANAL
SECTION 60-8B-II
STATION 1479+10.00
MADISON COUNTY
S.N. 060-0218 & 0219

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | | |
|-----------------------|----------|------------------|--------------|-----------|--------------------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. 3 14 SHEETS |
| S.B.I. F.A.I. 255 | 60-8B-II | Madison | 25 | 42 | |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT | | | |

Contract # 76A25



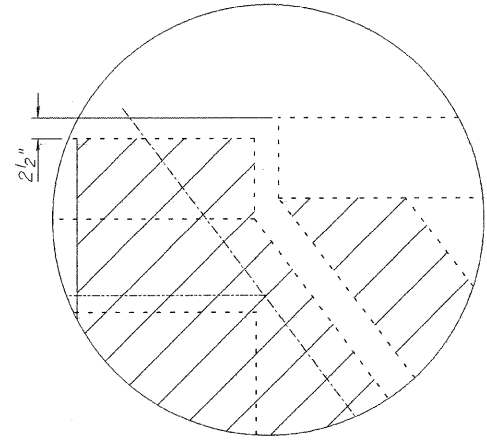
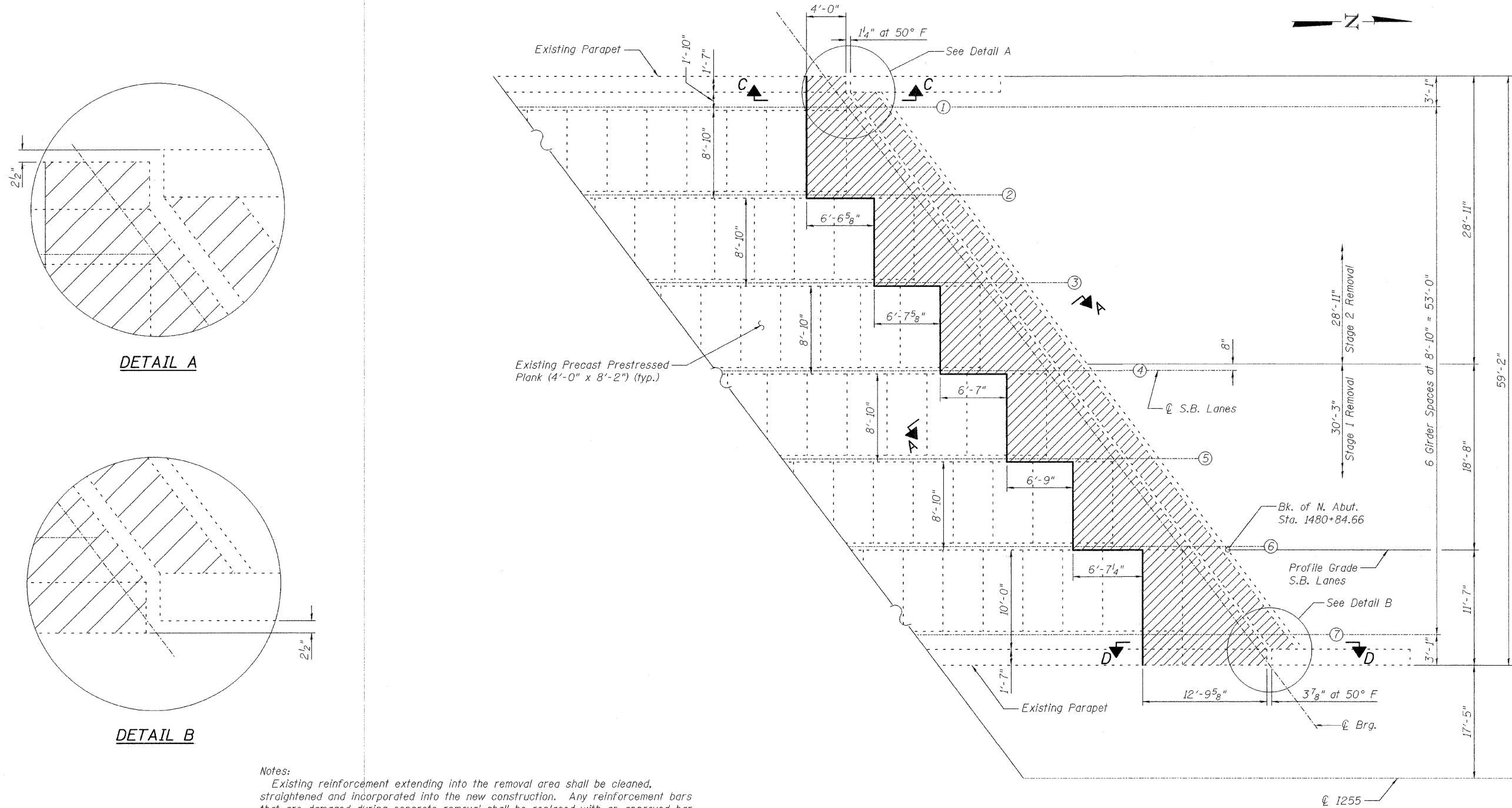
| | |
|----------|-----|
| DESIGNED | DB |
| CHECKED | RS |
| DRAWN | CLS |
| CHECKED | WWH |

STAGE CONSTRUCTION
F.A.I. RTE. 255 OVER CAHOKIA CANAL
SECTION 60-8B-II
STATION 1479+10.00
MADISON COUNTY
S.N. 060-0218 & 0219

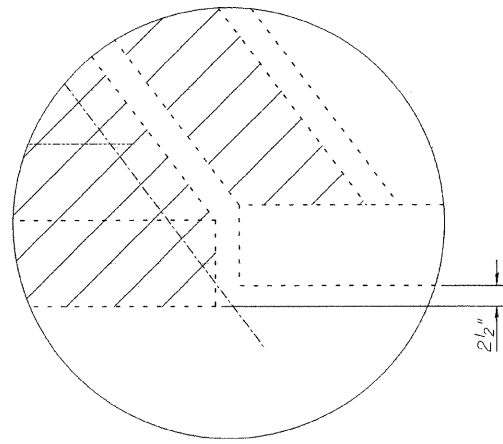
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | | |
|-----------------------------------|---------------------|-------------------|--------------------|-----------------|--------------------------|
| ROUTE NO. S.B.I. F.A.I. 255 | SECTION 60-8B-11 | COUNTY Madison | TOTAL SHEETS 26 | SHEET NO. 42 | SHEET NO. 4 14 SHEETS |
| FED. ROAD DIST. NO. 7 | | ILLINOIS | FED. AID PROJECT | | |

Contract # 76A25



DETAIL A



DETAIL B

Notes:
Existing reinforcement extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost shall be included with Concrete Removal.
Hatched areas indicate Concrete Removal.
Dimensions along outside parapets are measured along inside face of parapet. See Sheet No. 9 of 14 for Superstructure Bill of Material.
See Sheet No. 11 of 14 for existing Section A-A.
Contractor shall verify location of existing precast prestressed plank joints prior to removal.
See Sheet No. 11 of 14 for concrete removal at North Abutment.
See Sheet No. 9 of 14 for View C-C & D-D.

PARTIAL PLAN
at North Abut. S.B. Lanes

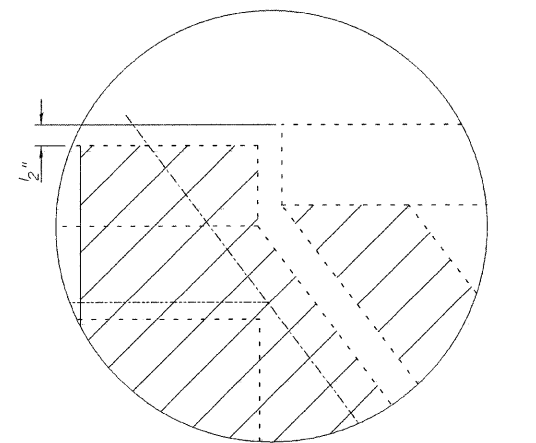
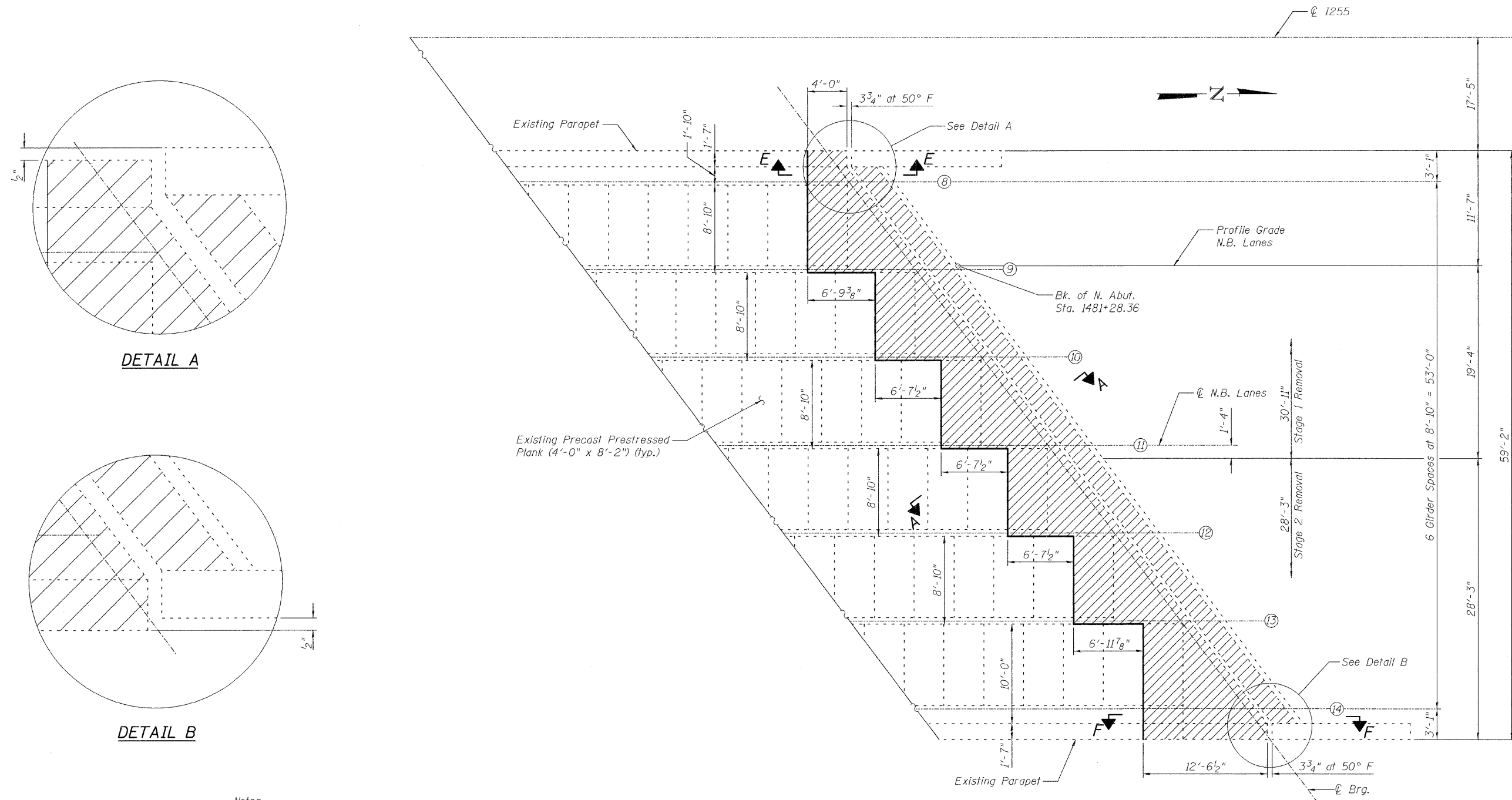
**SUPERSTRUCTURE DECK AND
PARAPET REMOVAL SOUTHBOUND LANES
F.A.I. RTE. 255 OVER CAHOKIA CANAL
SECTION 60-8B-11
STATION 1479+10.00
MADISON COUNTY
S.N. 060-0218 & 0219**

| | |
|----------|-----|
| DESIGNED | DB |
| CHECKED | RS |
| DRAWN | CLS |
| CHECKED | WWH |

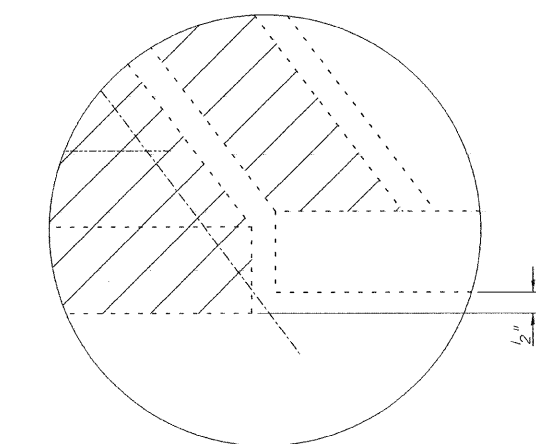
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | | |
|-----------------------|----------|------------------|--------------|-----------|-------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. 5 |
| S.B.I. F.A.I. 255 | 60-8B-II | Madison | 27 | 42 | 14 SHEETS |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT | | | |

Contract # 76A25



DETAIL A



DETAIL B

Notes:
Existing reinforcement extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost shall be included with Concrete Removal.
Hatched areas indicate Concrete Removal.
Dimensions along outside parapets are measured along inside face of parapet. See Sheet No. 10 of 14 for Superstructure Bill of Material.
See Sheet No. 12 of 14 for existing Section A-A.
Contractor shall verify location of existing precast prestressed plank joints prior to removal.
See Sheet No. 12 of 14 for concrete removal at North Abutment.
See Sheet No. 10 of 14 for Fore View E-E & F-F.

PARTIAL PLAN
at North Abut. N.B. Lanes

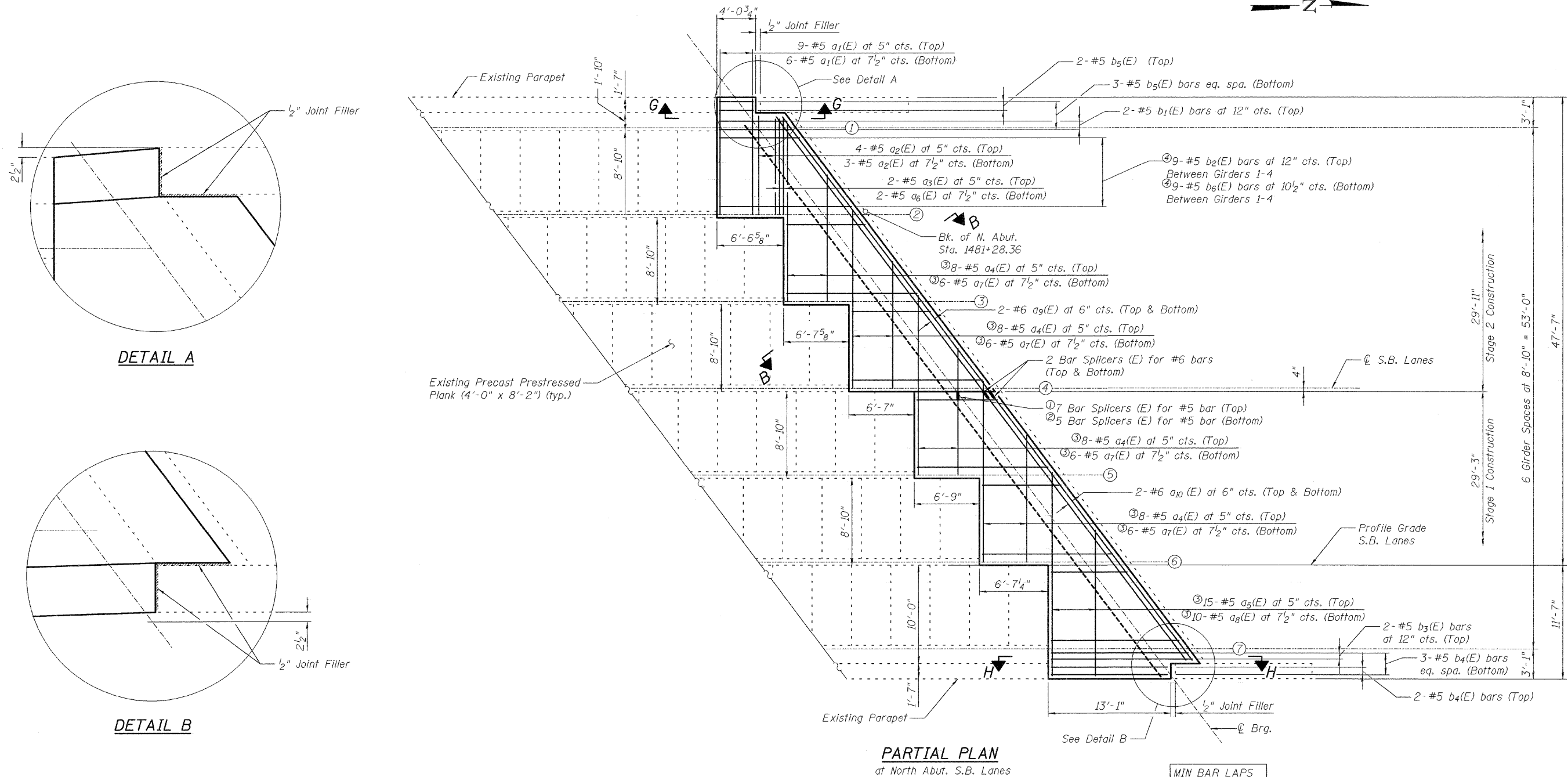
SUPERSTRUCTURE DECK AND
PARAPET REMOVAL NORTHBOUND LANES
F.A.I. RTE. 255 OVER CAHOKIA CANAL
SECTION 60-8B-II
STATION 1479+10.00
MADISON COUNTY
S.N. 060-0218 & 0219

| | |
|----------|-----|
| DESIGNED | DB |
| CHECKED | RS |
| DRAWN | CLS |
| CHECKED | WWH |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | | |
|-----------------------|----------|------------------|--------------|-----------|--------------------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. 6 14 SHEETS |
| S.B.I. F.A.I. 255 | 60-8B-11 | Madison | 28 | 42 | |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT | | | |

Contract # 76A25



PARTIAL PLAN
at North Abut. S.B. Lanes

| MIN BAR LAPS | |
|--------------|-------|
| #5 | 2'-2" |
| #6 | 2'-7" |

Notes:
Existing reinforcement extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost shall be included with Concrete Removal. Dimensions along outside parapets are measured along inside face of parapet. See Sheet No. 9 of 14 for Superstructure Bill of Material. See Sheet No. 11 of 14 for proposed Section B-B. Contractor shall verify location of existing precast prestressed plank joints prior to removal. See Sheet No. 9 of 14 for View G-G & H-H.

- ① Lap bar splicer with top "a bars". Cut top "a bars" to fit Stage 1 and use remainder in Stage 2.
- ② Lap bar splicer with bottom "a bars". Cut bottom "a bars" to fit Stage 1 and use remainder in Stage 2.
- ③ Order bars full length. Cut to fit wedge (skew). Use remainder in same wedge.
- ④ Order bars full length. Cut to fit wedge (skew). Use remainder between girders 4-7.

**SUPERSTRUCTURE DECK & PARAPET
REPLACEMENT SOUTHBOUND LANES
F.A.I. RTE. 255 OVER CAHOKIA CANAL
SECTION 60-8B-11
STATION 1479+10.00
MADISON COUNTY
S.N. 060-0218 & 0219**

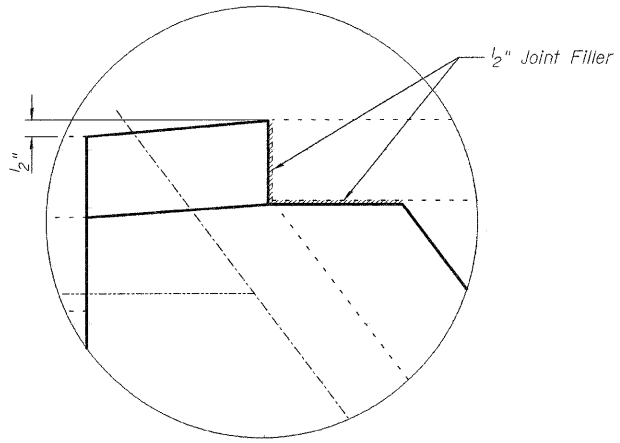
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|----------|-----|
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| CHECKED | RS |
| DRAWN | CLS |
| CHECKED | WWH |

DETAIL A

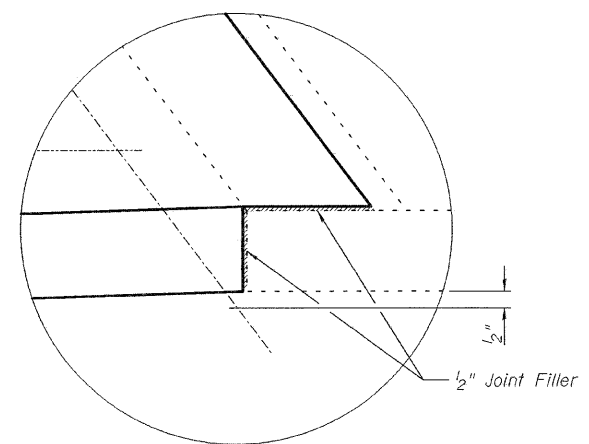
DETAIL B

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

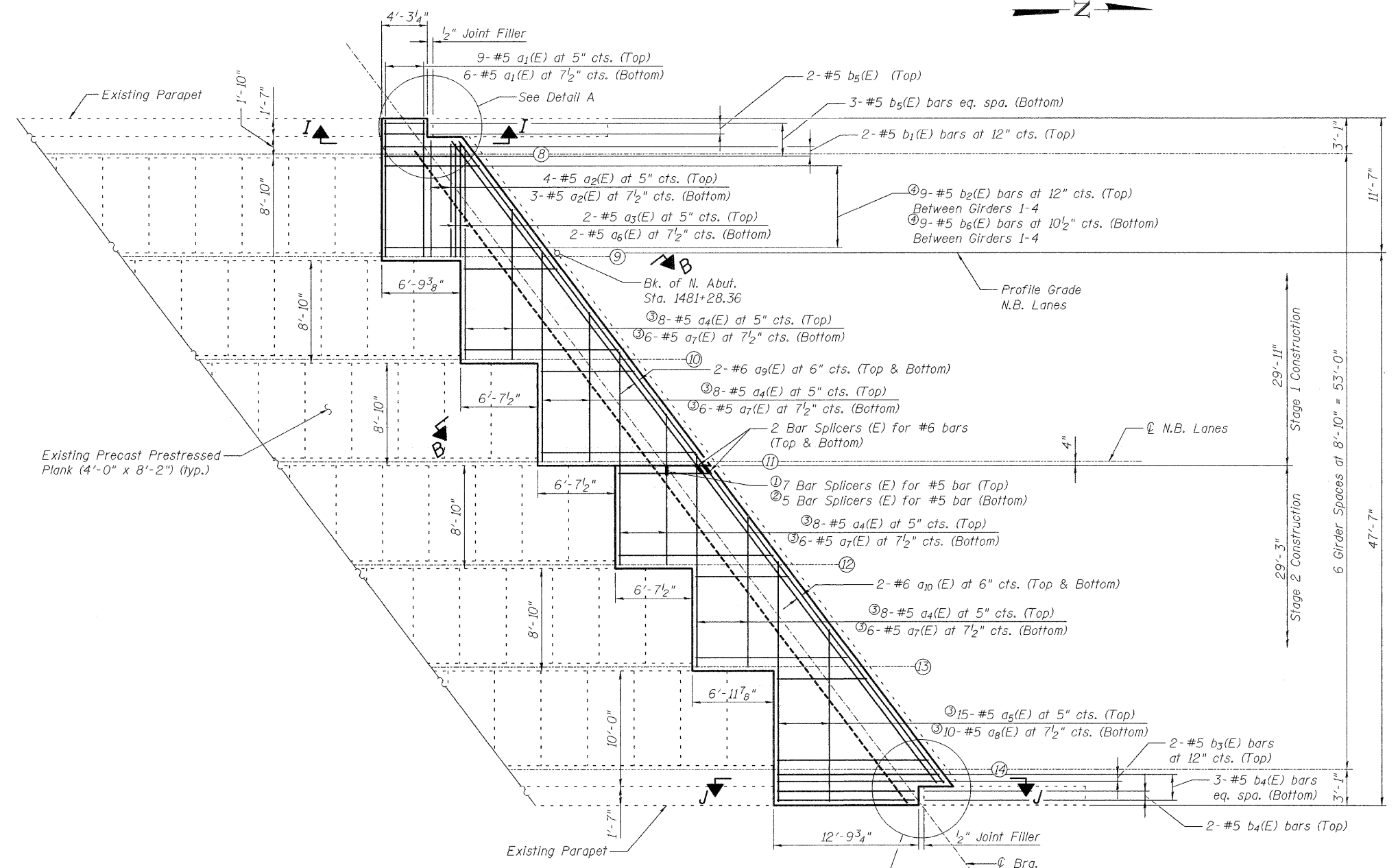
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|-----------------------|----------|-------------------|--------------|-----------|--------------------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. 7 14 SHEETS |
| S.B.I. F.A.I. 255 | 60-8B-II | Madison | 29 | 42 | |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT- | | | |
| Contract # 76A25 | | | | | |



DETAIL A



DETAIL B



PARTIAL PLAN
at North Abut. N.B. Lanes

| MIN BAR LAPS | |
|--------------|-------|
| #5 | 2'-2" |
| #6 | 2'-7" |

| | |
|----------|-----|
| DESIGNED | DB |
| CHECKED | RS |
| DRAWN | CLS |
| CHECKED | WWH |

Notes:
Existing reinforcement extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost shall be included with Concrete Removal. Dimensions along outside parapets are measured along inside face of parapet. See Sheet No. 10 of 14 for Superstructure Bill of Material. See Sheet No. 12 of 14 for proposed Section B-B. Contractor shall verify location of existing precast prestressed plank joints prior to removal. See Sheet No. 10 of 14 for View I-I & J-J.

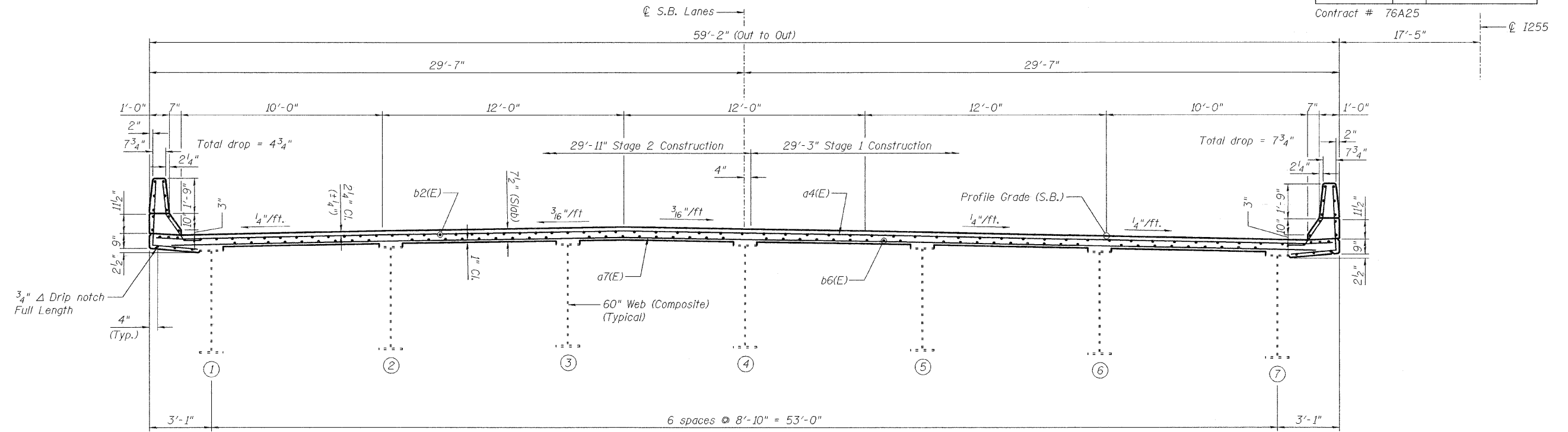
- ① Lap bar splicer with top "a bars". Cut top "a bars" to fit Stage 1 and use remainder in Stage 2.
- ② Lap bar splicer with bottom "a bars". Cut bottom "a bars" to fit Stage 1 and use remainder in Stage 2.
- ③ Order bars full length. Cut to fit wedge (skew). Use remainder in same wedge.
- ④ Order bars full length. Cut to fit wedge (skew). Use remainder between girders 11-14.

**SUPERSTRUCTURE DECK & PARAPET
REPLACEMENT NORTHBOUND LANES
F.A.I. RTE. 255 OVER CAHOKIA CANAL
SECTION 60-8B-II
STATION 1479+10.00
MADISON COUNTY
S.N. 060-0218 & 0219**

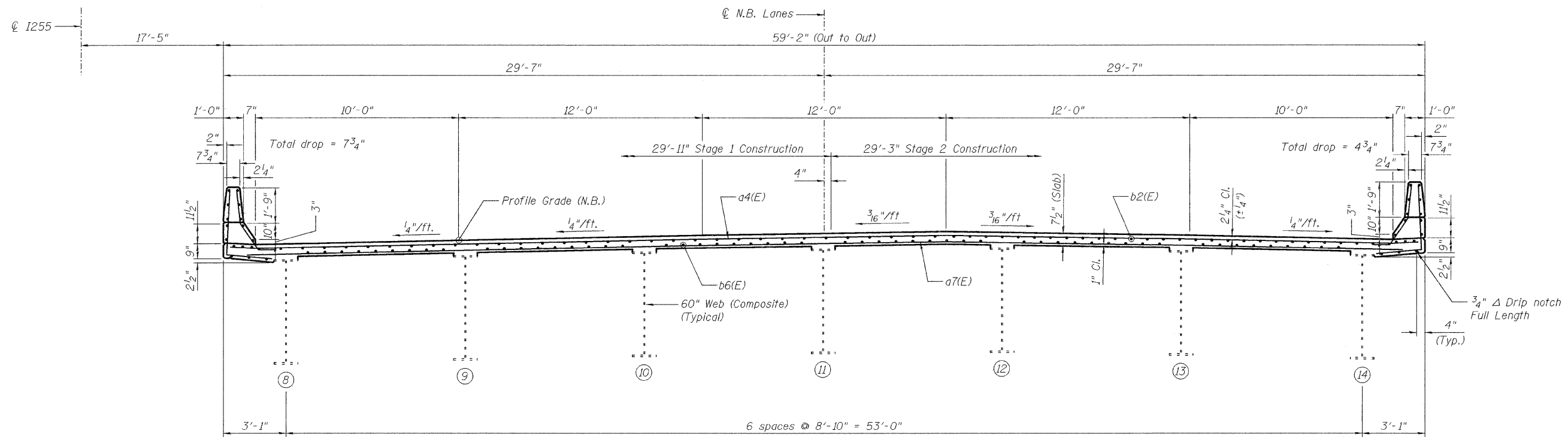
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | | |
|-----------------------|----------|------------------|--------------|-----------|-------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. 8 |
| S.B.I. F.A.I. 255 | 60-8B-II | Madison | 30 | 42 | 14 SHEETS |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT | | | |

Contract # 76A25



SOUTHBOUND TYPICAL DECK CROSS SECTION
(Looking North)



NORTHBOUND TYPICAL DECK CROSS SECTION
(Looking North)

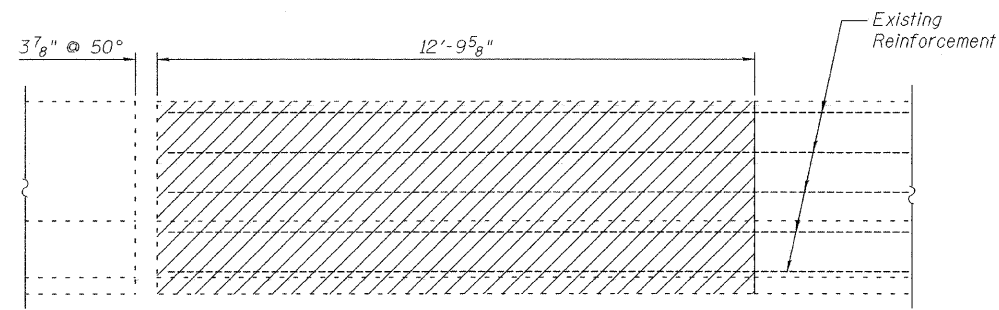
| | |
|----------|-----|
| DESIGNED | DB |
| CHECKED | RS |
| DRAWN | CLS |
| CHECKED | WWH |

SUPERSTRUCTURE DETAIL
F.A.I. RTE. 255 OVER CAHOKIA CANAL
SECTION 60-8B-II
STATION 1479+10.00
MADISON COUNTY
S.N. 060-0218 & 0219

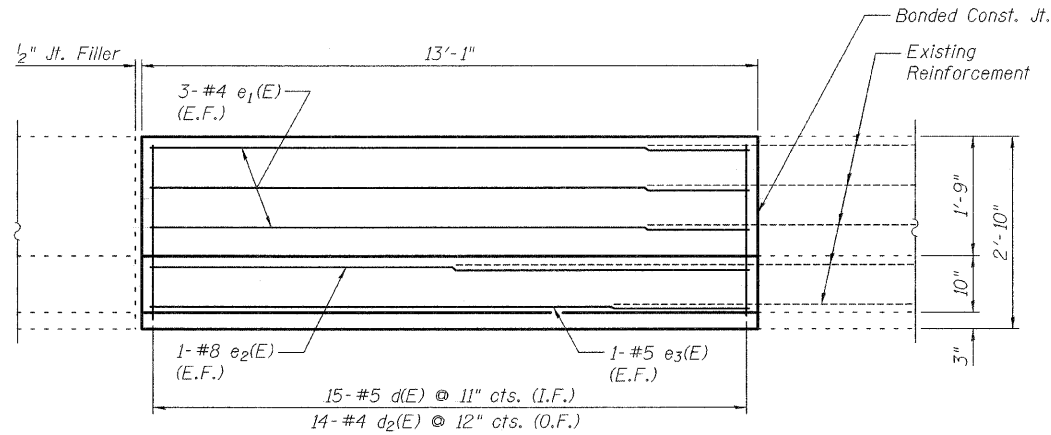
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | | |
|-----------------------------------|---------------------|-------------------|--------------------|-----------------|--------------------------|
| ROUTE NO. S.B.I. F.A.I. 255 | SECTION 60-8B-11 | COUNTY Madison | TOTAL SHEETS 31 | SHEET NO. 42 | SHEET NO. 9 14 SHEETS |
| FED. ROAD DIST. NO. 7 | | ILLINOIS | FED. AID PROJECT | | |

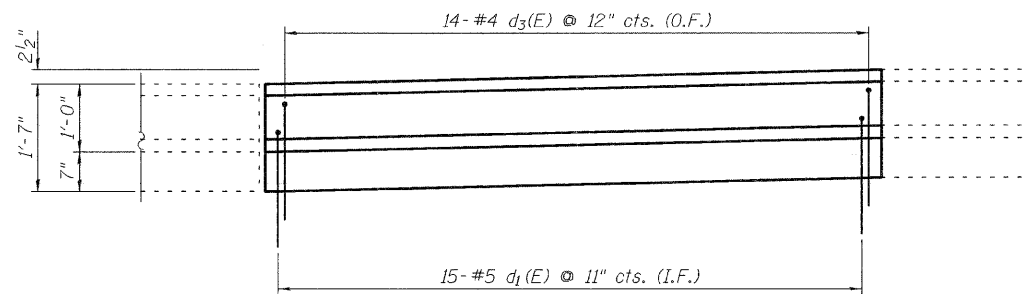
Contract # 76A25



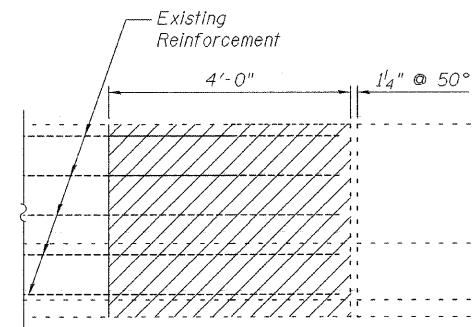
VIEW D-D
(SHOWING CONCRETE REMOVAL)



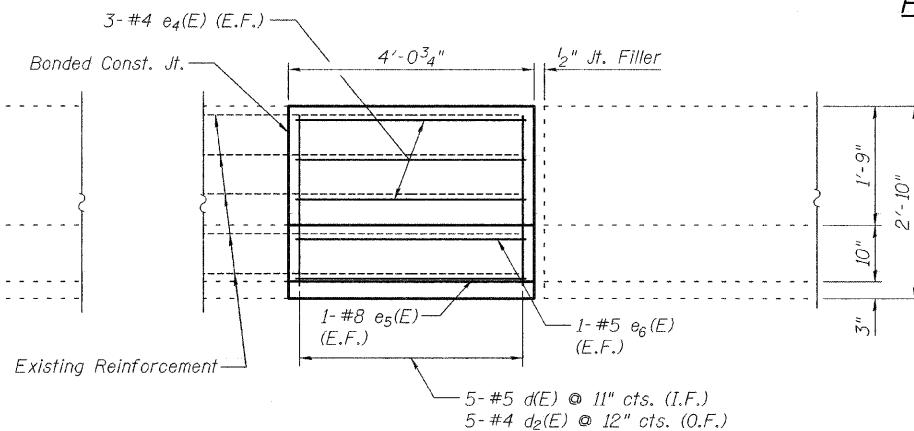
VIEW H-H
Showing Concrete Replacement



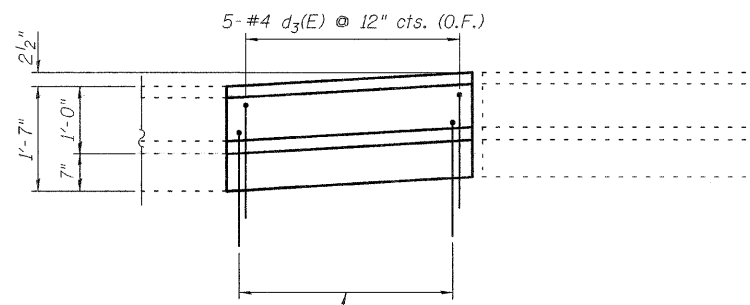
PLAN



VIEW C-C
Showing Concrete Removal

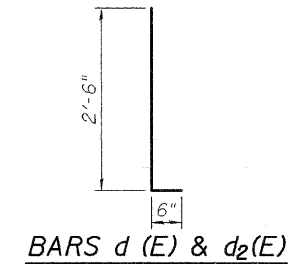


VIEW G-G
Showing Concrete Replacement

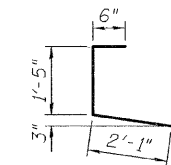


PLAN

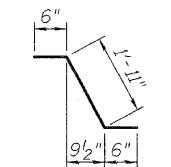
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|----------|-----|
| DESIGNED | DB |
| CHECKED | RS |
| DRAWN | RAA |
| CHECKED | WWH |



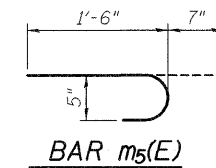
BARS d(E) & d2(E)



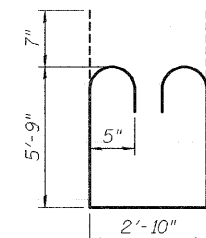
BAR d3(E)



BAR d1(E)

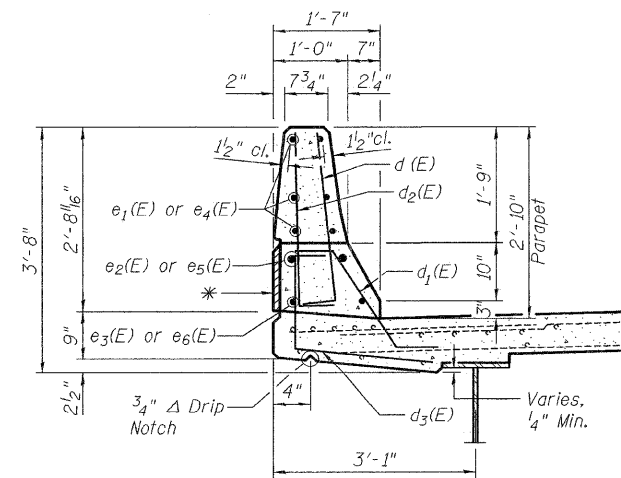


BAR m5(E)



BAR s1(E)

| MIN BAR LAPS | |
|--------------|-------|
| #4 | 1'-4" |
| #5 | 1'-8" |
| #8 | 3'-5" |



* Patterned Rope Texture Concrete

TYP. SECTION THRU PARAPET

**SUPERSTRUCTURE
BILL OF MATERIAL**

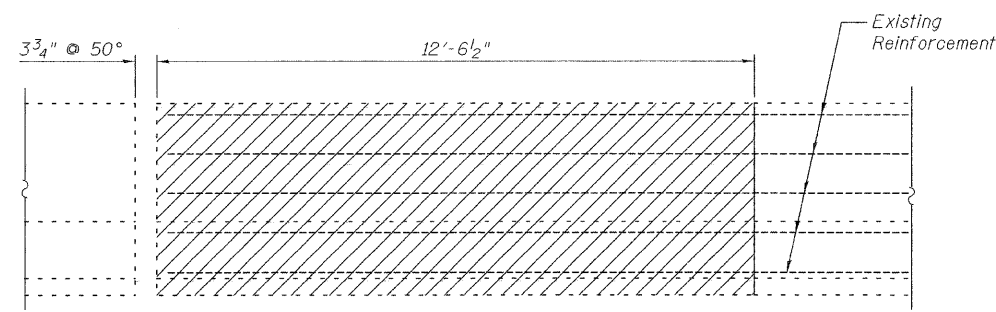
| Bar | No. | Size | Length | Shape |
|----------------------------------|-----|----------|---------|-------|
| a1(E) | 15 | #5 | 12'-0" | — |
| a2(E) | 7 | #5 | 10'-7" | — |
| a3(E) | 2 | #5 | 9'-5" | — |
| a4(E) | 32 | #5 | 27'-2" | — |
| a5(E) | 15 | #5 | 24'-3" | — |
| a6(E) | 2 | #5 | 9'-0" | — |
| a7(E) | 24 | #5 | 26'-6" | — |
| a8(E) | 10 | #5 | 24'-3" | — |
| a9(E) | 4 | #6 | 34'-3" | — |
| a10(E) | 4 | #6 | 35'-2" | — |
| b1(E) | 2 | #5 | 6'-6" | — |
| b2(E) | 27 | #5 | 21'-6" | — |
| b3(E) | 2 | #5 | 14'-6" | — |
| b4(E) | 5 | #5 | 12'-9" | — |
| b5(E) | 5 | #5 | 3'-9" | — |
| b6(E) | 27 | #5 | 20'-0" | — |
| d(E) | 20 | #5 | 3'-0" | ┌┐ |
| d1(E) | 20 | #5 | 2'-11" | ┌┐ |
| d2(E) | 19 | #4 | 3'-0" | ┌┐ |
| d3(E) | 19 | #4 | 4'-0" | ┌┐ |
| e1(E) | 6 | #4 | 12'-10" | — |
| e2(E) | 2 | #8 | 12'-10" | — |
| e3(E) | 2 | #5 | 12'-10" | — |
| e4(E) | 6 | #4 | 3'-9" | — |
| e5(E) | 2 | #8 | 3'-9" | — |
| e6(E) | 2 | #5 | 3'-9" | — |
| m1(E) | 6 | #6 | 34'-3" | — |
| m2(E) | 6 | #6 | 35'-2" | — |
| m3(E) | 20 | #6 | 13'-8" | — |
| m4(E) | 8 | #6 | 8'-9" | — |
| m5(E) | 132 | #5 | 2'-1" | ┌┐ |
| s1(E) | 70 | #5 | 15'-6" | ┌┐ |
| v1(E) | 140 | #5 | 5'-9" | — |
| Concrete Removal | | Cu. Yds. | 23 | |
| Concrete Superstructure | | Cu. Yds. | 61.8 | |
| Reinforcement Bars, Epoxy Coated | | Pound | 8,020 | |

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Reinforcement bars designated (E) shall be epoxy coated.

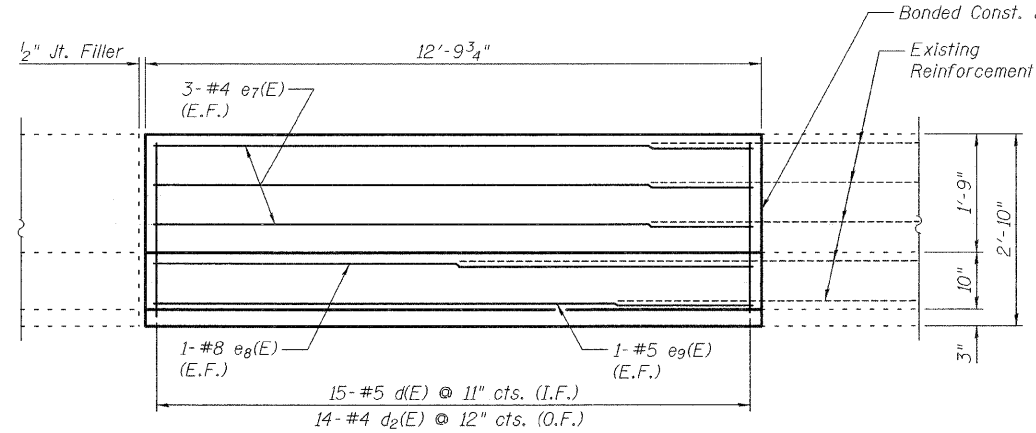
SUPERSTRUCTURE DETAILS
SOUTHBOUND LANES
F.A.I. RTE. 255 OVER CAHOKIA CANAL
SECTION 60-8B-11
STATION 1479+10.00
MADISON COUNTY
S.N. 060-0218 & 0219

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

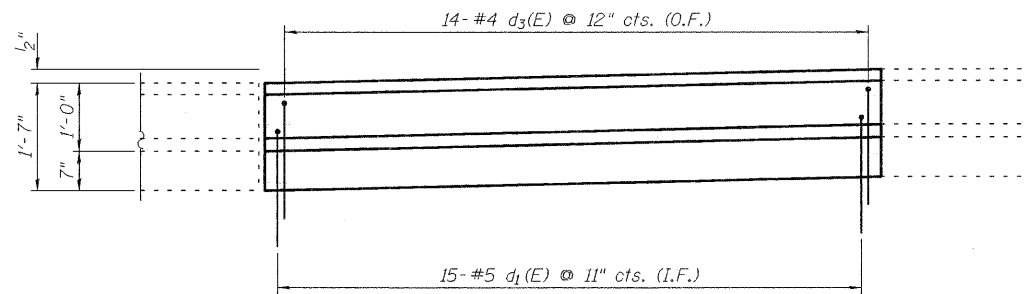
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|-----------------------|----------|-------------------|--------------|-----------|---------------------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. 10 14 SHEETS |
| S.B.I. F.A.I. 255 | 60-8B-II | Madison | 32 | 42 | |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT- | | | |
| Contract # 76A25 | | | | | |



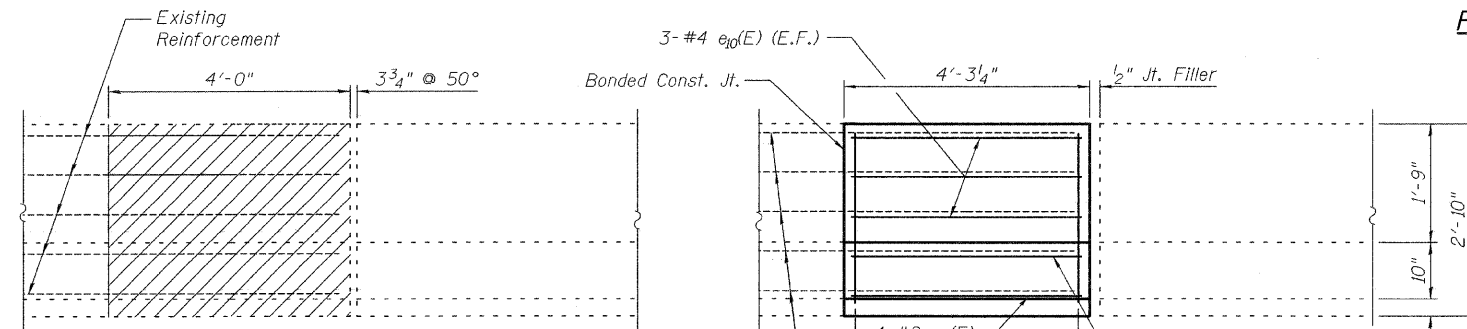
VIEW F-F
Showing Concrete Removal



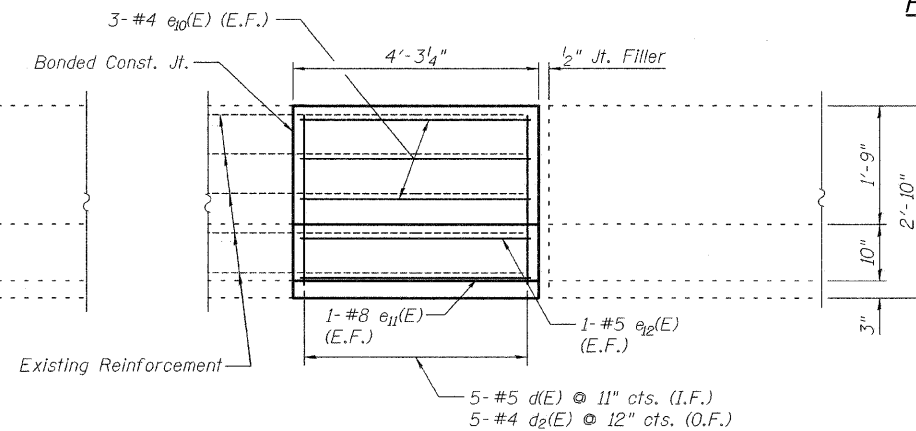
VIEW J-J
Showing Concrete Replacement



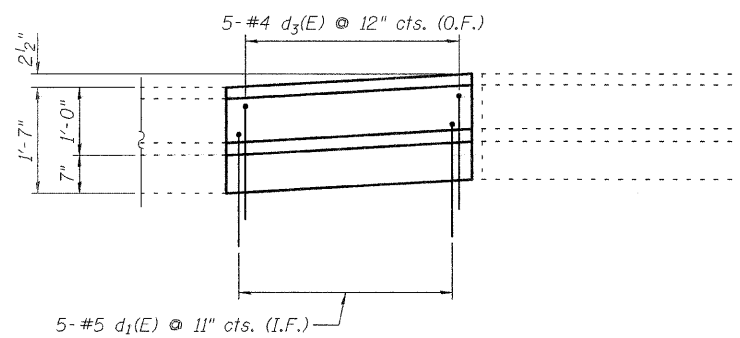
PLAN



VIEW E-E
Showing Concrete Removal

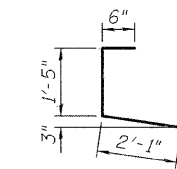
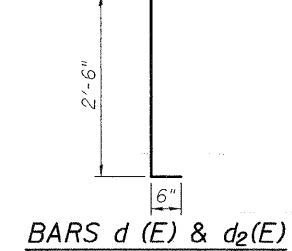


VIEW I-I
Showing Concrete Replacement

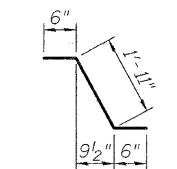


PLAN

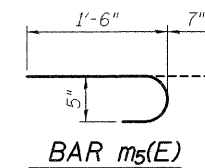
| | |
|----------|-----|
| DESIGNED | DB |
| CHECKED | RS |
| DRAWN | RAA |
| CHECKED | WWH |



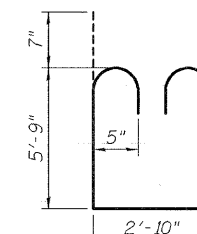
BAR d3(E)



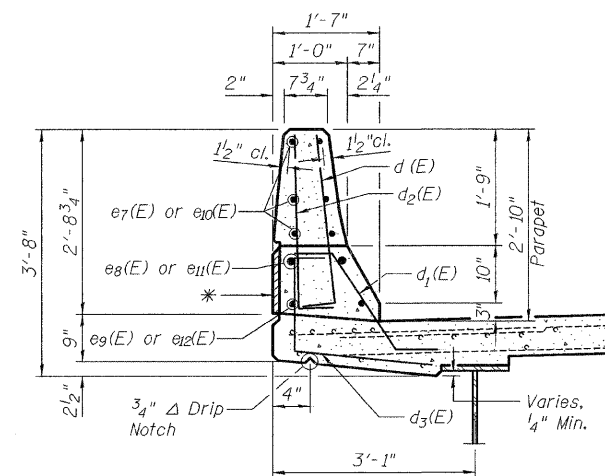
BAR d1(E)



BAR m5(E)



BAR s1(E)



* Patterned Rope Texture Concrete

TYP. SECTION THRU PARAPET

| MIN BAR LAPS | |
|--------------|-------|
| #4 | 1'-4" |
| #5 | 1'-8" |
| #8 | 3'-5" |

**SUPERSTRUCTURE
BILL OF MATERIAL**

| Bar | No. | Size | Length | Shape |
|----------------------------------|-----|----------|--------|-------|
| a1(E) | 15 | #5 | 12'-0" | — |
| a2(E) | 7 | #5 | 10'-7" | — |
| a3(E) | 2 | #5 | 9'-5" | — |
| a4(E) | 32 | #5 | 27'-2" | — |
| a5(E) | 15 | #5 | 24'-3" | — |
| a6(E) | 2 | #5 | 9'-0" | — |
| a7(E) | 24 | #5 | 26'-6" | — |
| a8(E) | 10 | #5 | 24'-3" | — |
| a9(E) | 4 | #6 | 34'-3" | — |
| a10(E) | 4 | #6 | 35'-2" | — |
| b1(E) | 2 | #5 | 6'-6" | — |
| b2(E) | 27 | #5 | 21'-6" | — |
| b3(E) | 2 | #5 | 14'-6" | — |
| b4(E) | 5 | #5 | 12'-9" | — |
| b5(E) | 5 | #5 | 3'-9" | — |
| b6(E) | 27 | #5 | 20'-0" | — |
| d(E) | 20 | #5 | 3'-0" | ┘ |
| d1(E) | 20 | #5 | 2'-11" | ┘ |
| d2(E) | 19 | #4 | 3'-0" | ┘ |
| d3(E) | 19 | #4 | 4'-0" | ┘ |
| e7(E) | 6 | #4 | 12'-6" | — |
| e8(E) | 2 | #8 | 12'-6" | — |
| e9(E) | 2 | #5 | 12'-6" | — |
| e10(E) | 6 | #4 | 4'-0" | — |
| e11(E) | 2 | #8 | 4'-0" | — |
| e12(E) | 2 | #5 | 4'-0" | — |
| m1(E) | 6 | #6 | 34'-3" | — |
| m2(E) | 6 | #6 | 35'-2" | — |
| m3(E) | 20 | #6 | 13'-8" | — |
| m4(E) | 8 | #6 | 8'-9" | — |
| m5(E) | 132 | #5 | 2'-1" | ┘ |
| s1(E) | 70 | #5 | 15'-6" | ┘ |
| v1(E) | 140 | #5 | 5'-9" | — |
| Concrete Removal | | Cu. Yds. | 22 | |
| Concrete Superstructure | | Cu. Yds. | 61.1 | |
| Reinforcement Bars, Epoxy Coated | | Pound | 8,020 | |

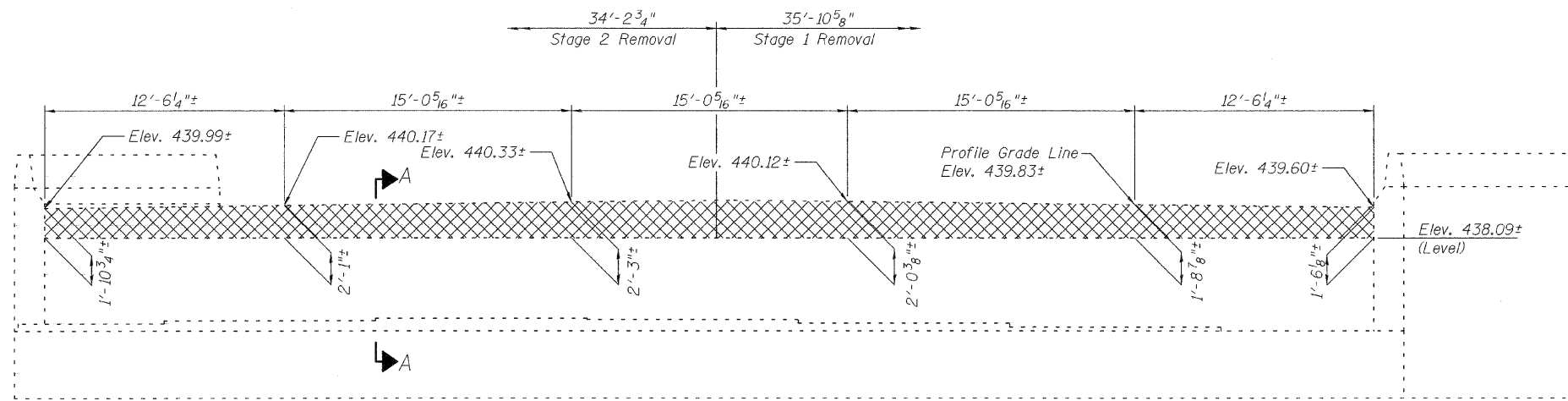
Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Reinforcement bars designated (E) shall be epoxy coated.

SUPERSTRUCTURE DETAILS
NORTHBOUND LANES
F.A.I. RTE. 255 OVER CAHOKIA CANAL
SECTION 60-8B-II
STATION 1479+10.00
MADISON COUNTY
S.N. 060-0218 & 0219

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

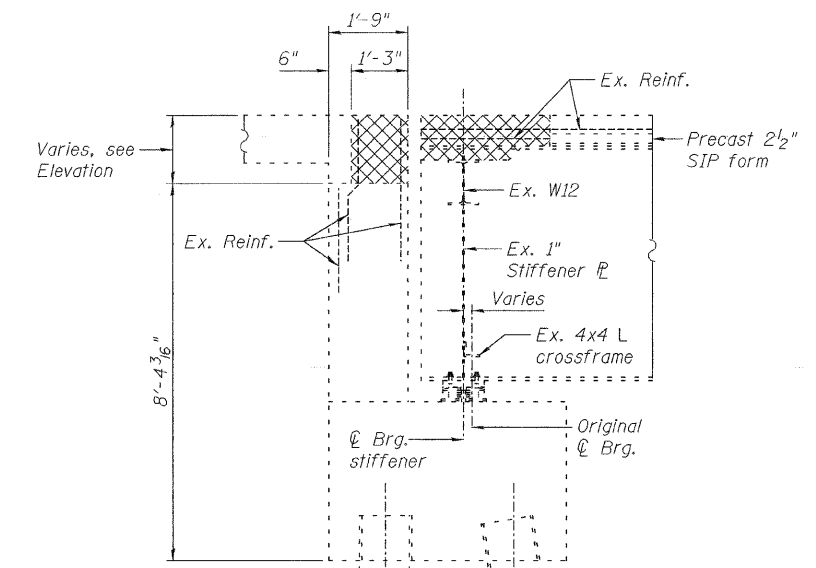
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|-----------------------|----------|------------------|--------------|-----------|---------------------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. 11 14 SHEETS |
| S.B.I. | 60-8B-11 | Madison | 33 | 42 | |
| F.A.I. 255 | | | | | |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT | | | |

Contract # 76A25

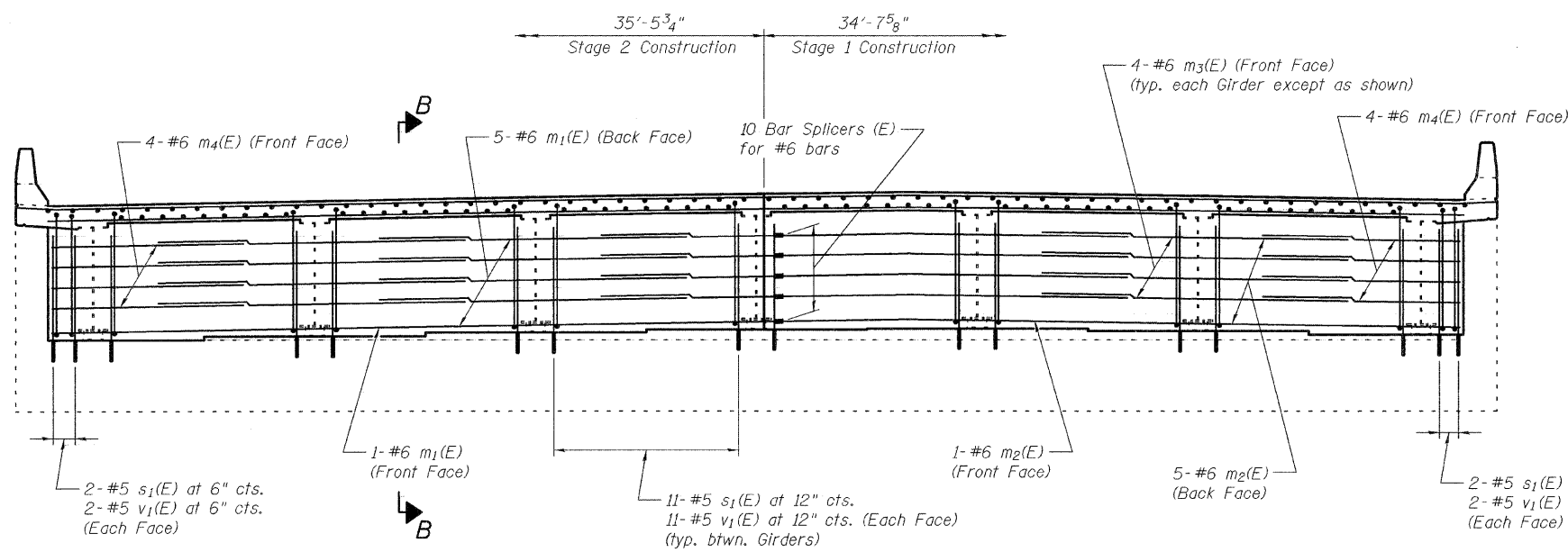


ELEVATION
Showing Concrete Removal

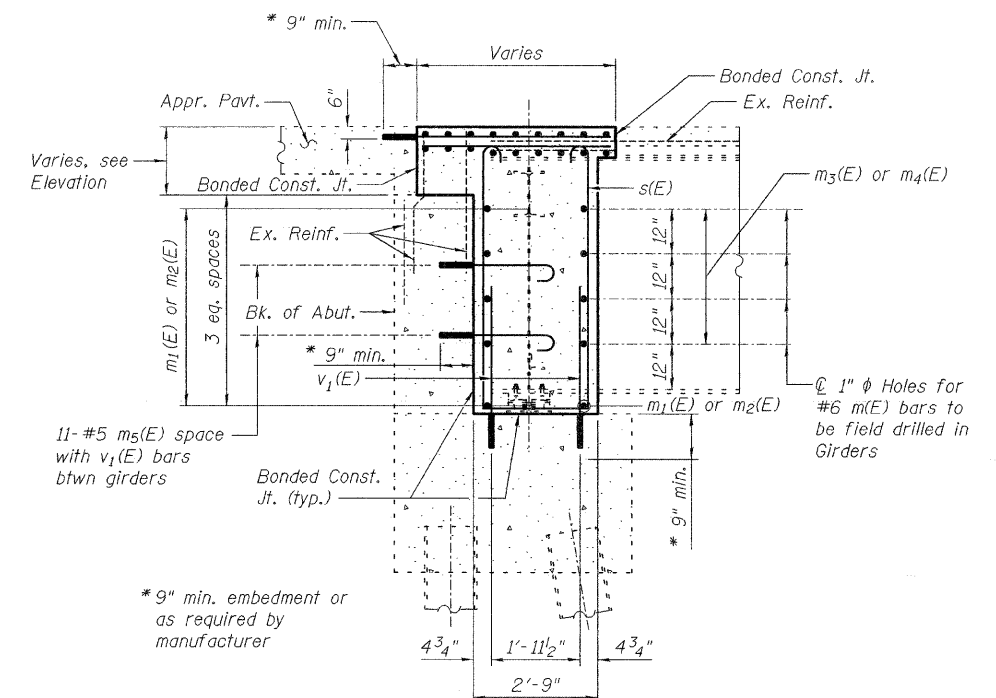
| |
|--------------|
| MIN BAR LAPS |
| #6 2'-7" |



SECTION A-A



ELEVATION
Showing Concrete Replacement



SECTION B-B

Note:
Cross hatched areas indicate concrete removal.
Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into new construction.
Epoxy grout #5 b₂(E), m₅(E) and v₁(E) bars in 7/8" φ drilled holes. See Standard Specifications.
Cost included with Reinforcement Bars, Epoxy Coated.

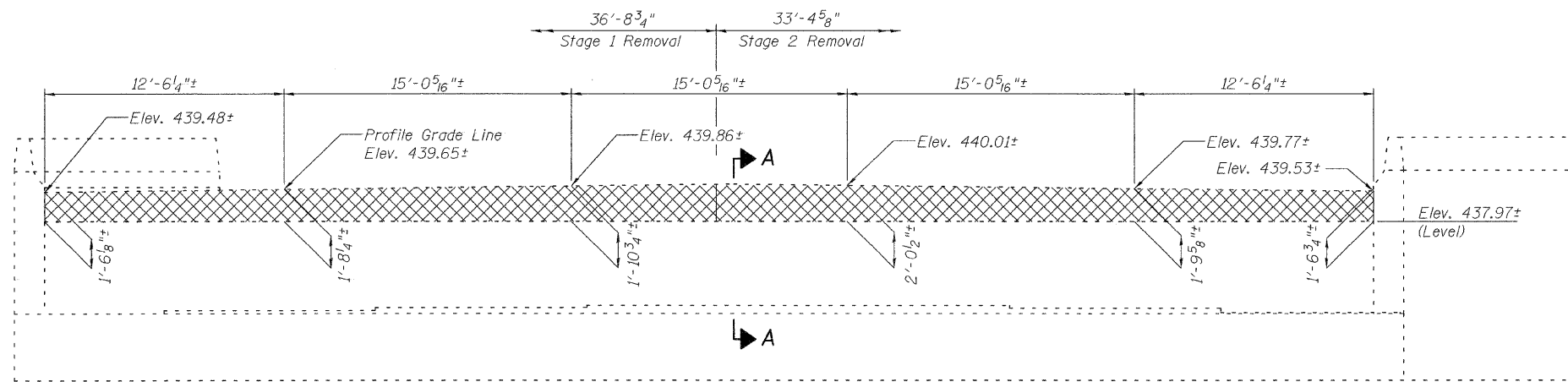
NORTH ABUTMENT DETAILS, SOUTHBOUND LANES
F.A.I. RTE. 255 OVER CAHOKIA CANAL
SECTION 60-8B-11
STATION 1479+10.00
MADISON COUNTY
S.N. 060-0218 & 0219

| | |
|----------|-----|
| DESIGNED | DB |
| CHECKED | RS |
| DRAWN | CLS |
| CHECKED | WWH |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | | |
|-----------------------|----------|------------------|--------------|-----------|---------------------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. 12 14 SHEETS |
| S.B.I. | 60-8B-11 | Madison | 34 | 42 | |
| F.A.I. 255 | | | | | |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT | | | |

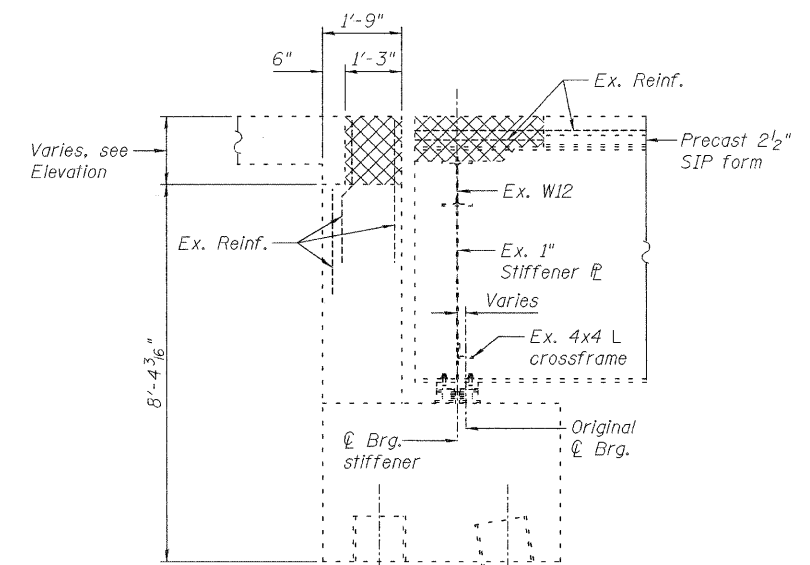
Contract # 76A25



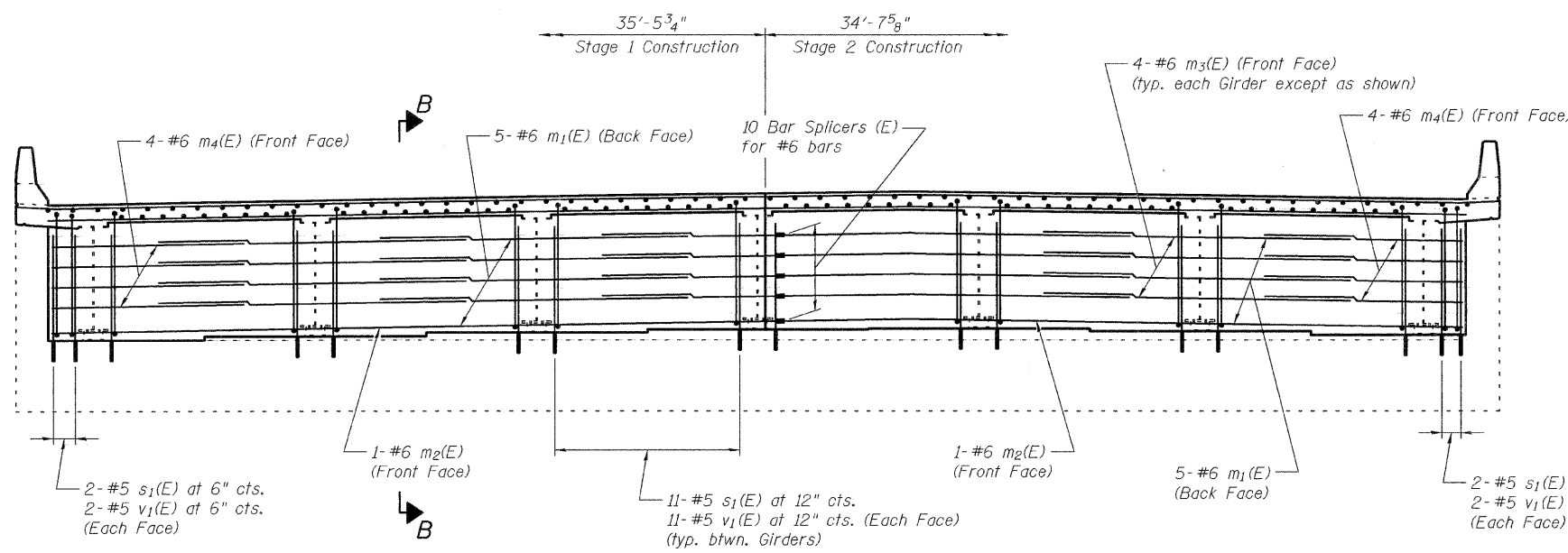
ELEVATION

Showing Concrete Removal

MIN BAR LAPS
#6 2'-7"

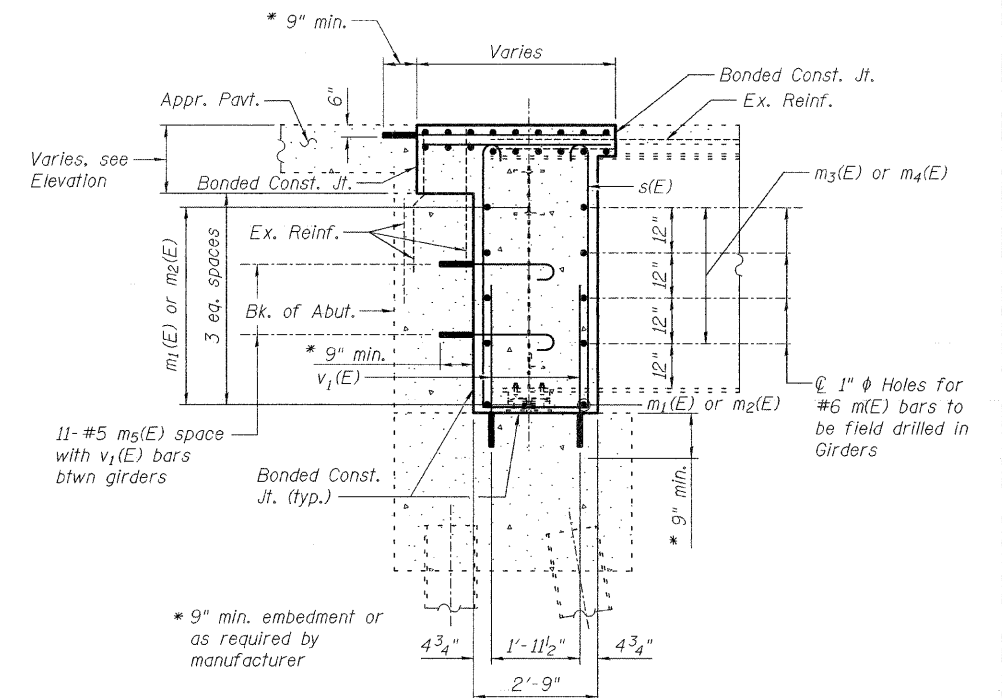


SECTION A-A



ELEVATION

Showing Concrete Replacement



SECTION B-B

Note:
Cross hatched areas indicate concrete removal. Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into new construction.
Epoxy grout #5 b₂(E), m₅(E) and v₁(E) bars in 7/8" φ drilled holes. See Standard Specifications.
Cost included with Reinforcement Bars, Epoxy Coated.

NORTH ABUTMENT DETAILS, NORTHBOUND LANES
F.A.I. RTE. 255 OVER CAHOKIA CANAL
SECTION 60-8B-11
STATION 1479+10.00
MADISON COUNTY
S.N. 060-0218 & 0219

| | |
|----------|-----|
| DESIGNED | DB |
| CHECKED | RS |
| DRAWN | CLS |
| CHECKED | WWH |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | | |
|-----------------------|----------|-------------------|--------------|-----------|---------------------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. 13 14 SHEETS |
| S.B.I. F.A.I. 255 | 60-8B-II | Madison | 35 | 42 | |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT- | | | |

Contract # 76A25

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.
Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.
All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.
Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

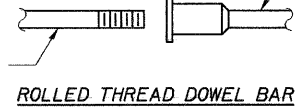
- ① Minimum Capacity = $1.25 \times f_y \times A_t$
(Tension in kips)
- ② Minimum *Pull-out Strength = $0.66 \times f_y \times A_t$
(Tension in kips)

Where f_y = Yield strength of lapped reinforcement bars in ksi.
 A_t = Tensile stress area of lapped reinforcement bars.
* = 28 day concrete

| Bar Size to be Spliced | Splicer Rod or Dowel Bar Length | Strength Requirements | |
|------------------------|---------------------------------|------------------------------|---------------------------------------|
| | | Min. Capacity kips - tension | Min. Pull-Out Strength kips - tension |
| #4 | 1'-8" | 14.7 | 7.9 |
| #5 | 2'-0" | 23.0 | 12.3 |
| #6 | 2'-7" | 33.1 | 17.4 |
| #7 | 3'-5" | 45.1 | 23.8 |
| #8 | 4'-6" | 58.9 | 31.3 |
| #9 | 5'-9" | 75.0 | 39.6 |
| #10 | 7'-3" | 95.0 | 50.3 |
| #11 | 9'-0" | 117.4 | 61.8 |

The diameter of this part is the same as the diameter of the bar spliced.

The diameter of this part is equal or larger than the diameter of bar spliced.

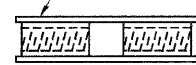


ROLLED THREAD DOWEL BAR



** ONE PIECE

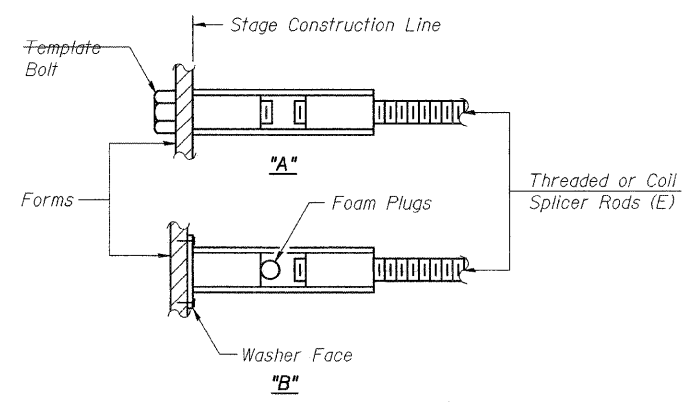
Wire Connector



WELDED SECTIONS

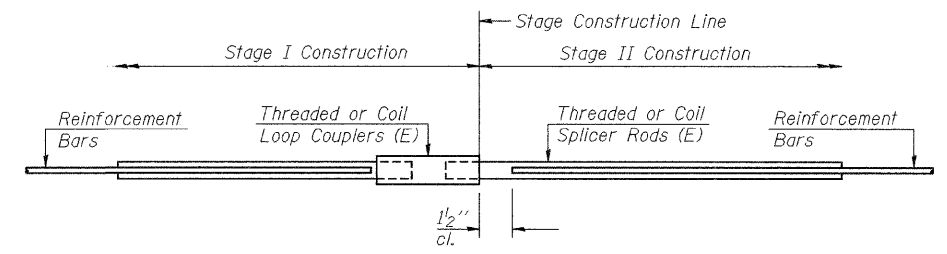
BAR SPLICER ASSEMBLY ALTERNATIVES

** Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



INSTALLATION AND SETTING METHODS

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



STANDARD

SOUTHBOUND LANES

| Bar Size | No. Assemblies Required | Location |
|----------|-------------------------|-----------------|
| #5 | 12 | Deck |
| #6 | 4 | Deck |
| #6 | 10 | Abut. Diaphragm |
| | | |
| | | |

NORTHBOUND LANES

| Bar Size | No. Assemblies Required | Location |
|----------|-------------------------|-----------------|
| #5 | 12 | Deck |
| #6 | 4 | Deck |
| #6 | 10 | Abut. Diaphragm |
| | | |
| | | |

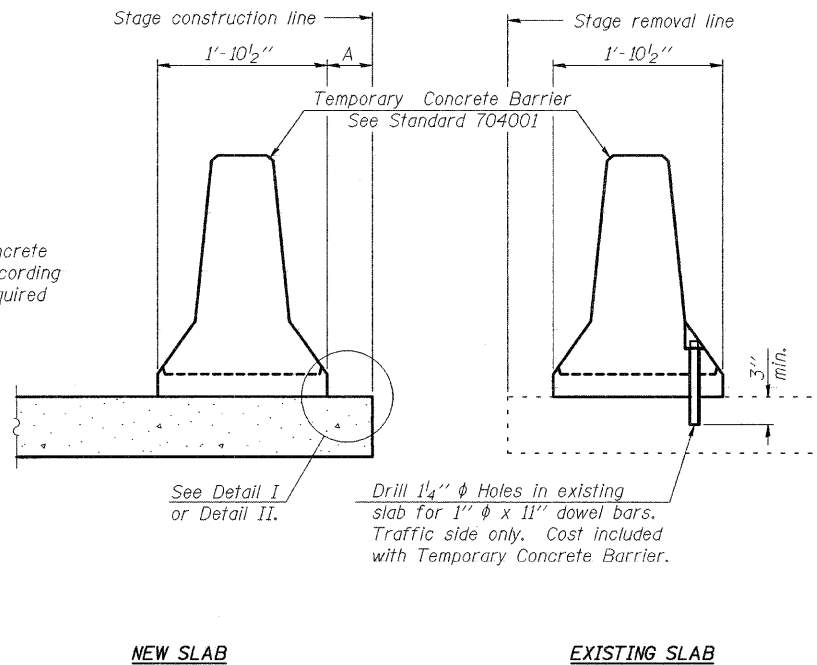
| | |
|----------|-----|
| DESIGNED | DB |
| CHECKED | RS |
| DRAWN | CLS |
| CHECKED | WWH |

BAR SPLICER ASSEMBLY DETAILS
F.A.I. RTE. 255 OVER CAHOKIA CANAL
SECTION 60-8B-II
STATION 1479+10.00
MADISON COUNTY
S.N. 060-0218 & 0219

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | | |
|-----------------------|----------|------------------|--------------|-----------|---------------------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. 14 14 SHEETS |
| S.B.I. F.A.I. 255 | 60-8B-II | Madison | 36 | 42 | |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT | | | |

Contract # 76A25



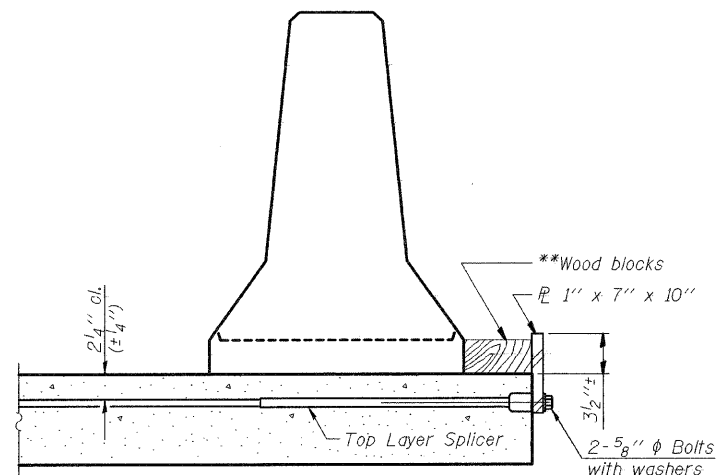
When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".

See Detail I or Detail II.
Drill 1 1/4" ϕ Holes in existing slab for 1" ϕ x 11" dowel bars. Traffic side only. Cost included with Temporary Concrete Barrier.

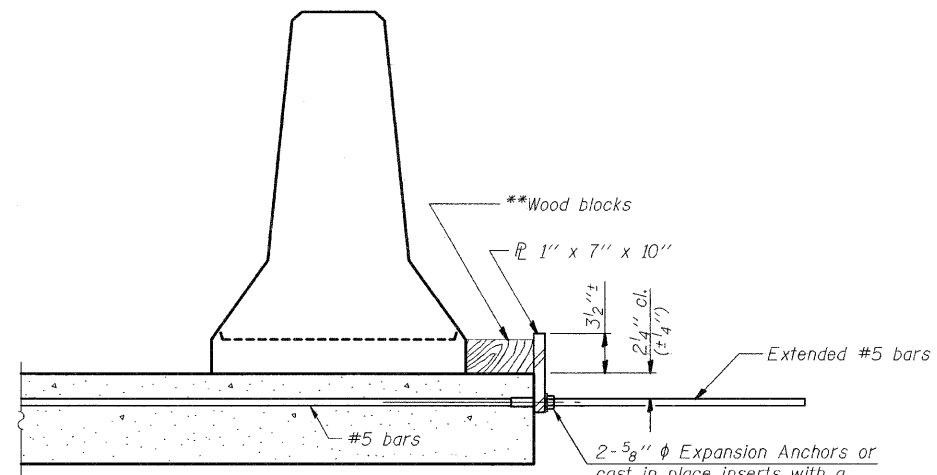
NEW SLAB

EXISTING SLAB

SECTION THRU SLAB



DETAIL I



DETAIL II

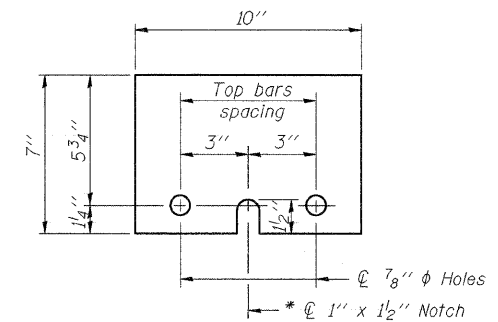
** Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.

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" ϕ 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 with 2-5/8" ϕ 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.



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

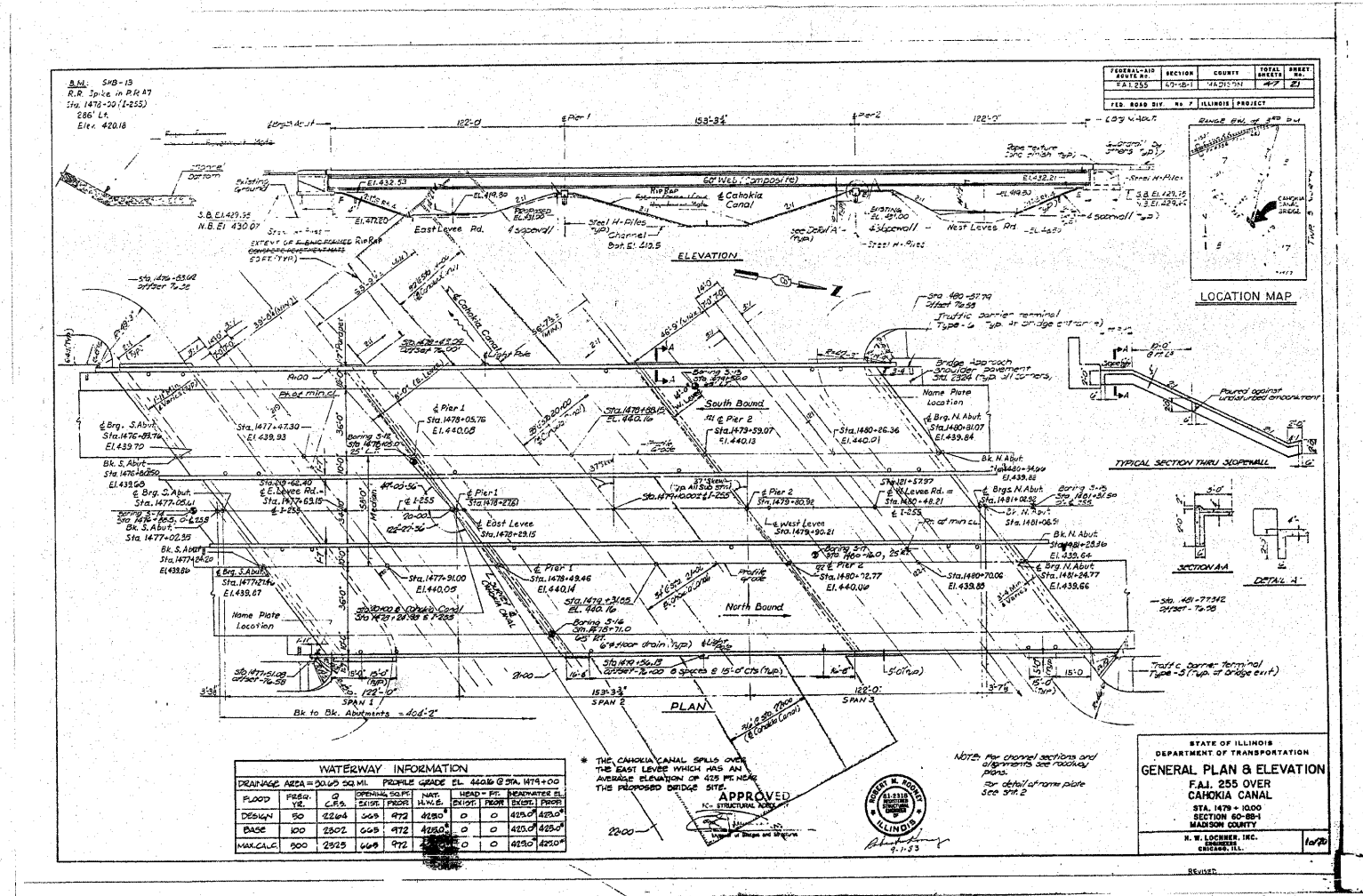
* Required only with Detail II

TEMPORARY CONCRETE BARRIER
FOR STAGE CONSTRUCTION
F.A.I. RTE. 255 OVER CAHOKIA CANAL
SECTION 60-8B-II
STATION 1479+10.00
MADISON COUNTY
S.N. 060-0218 & 0219

| | |
|----------|-----|
| DESIGNED | DB |
| CHECKED | RS |
| DRAWN | CLS |
| CHECKED | WWH |

R-27

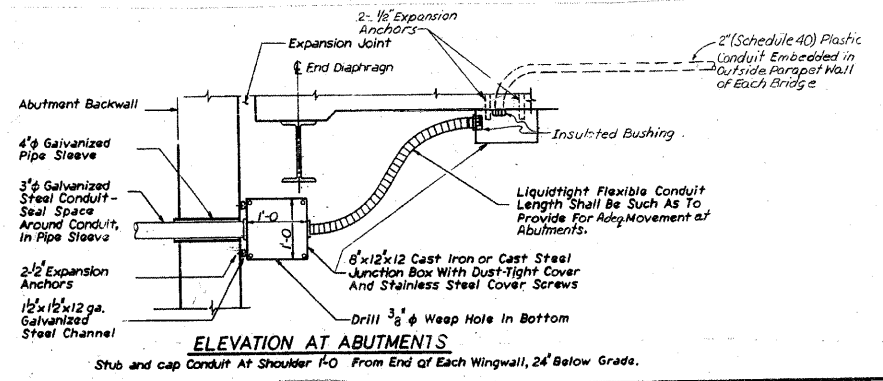
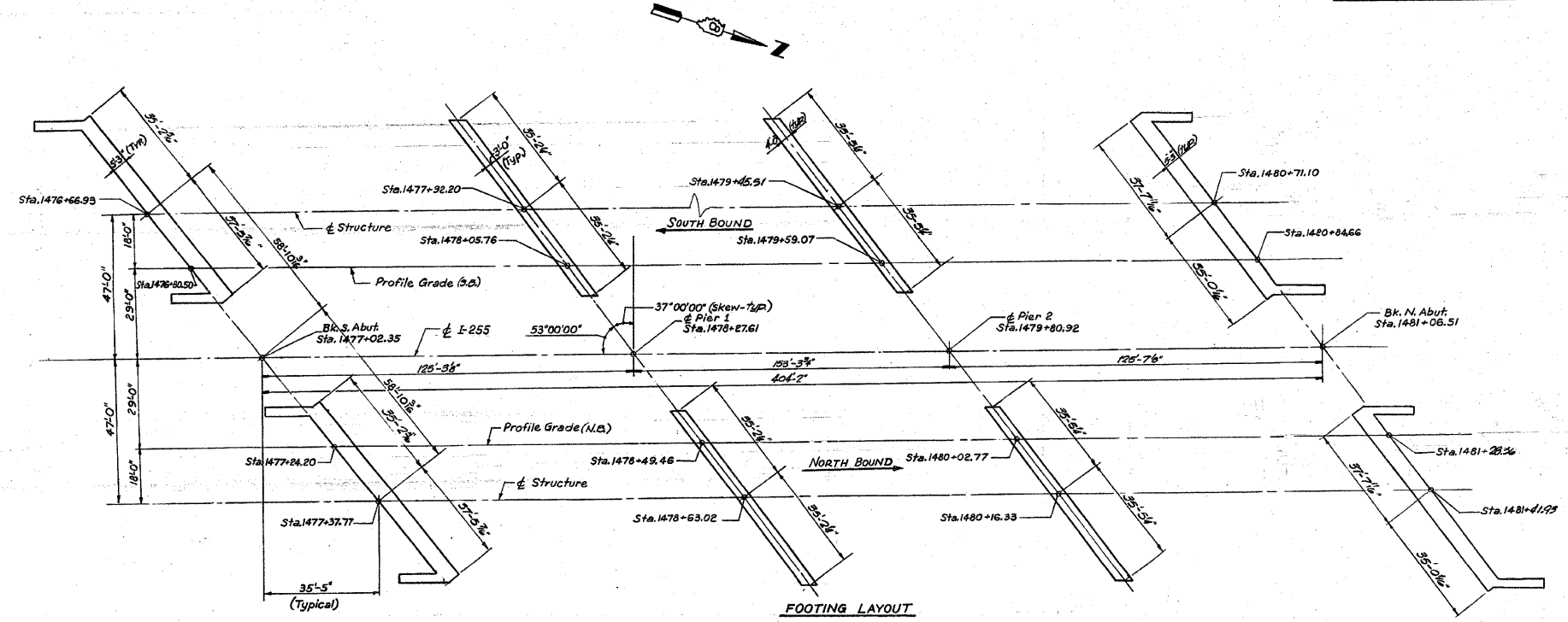
11-1-06



FOR INFORMATION ONLY

| | | | | | | | | | | | | |
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| PLOT DATE = 11/28/2007 | DATE - | REVISOR - | REVISION - | | | | | | | | | |

| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------------------|---------|---------|--------------|-----------|
| F.A.I. 255 | 60-88-1 | MADISON | 47 | 23 |
| FED. ROAD DIV. No. 7 ILLINOIS PROJECT | | | | |



| | |
|----------|-------------|
| DESIGNED | J.M.P. |
| CHECKED | S.K.L./D.M. |
| DRAWN | B.B. |
| CHECKED | J.M.P. |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FOOTING LAYOUT
F.A.I. 255 OVER
CAHOKIA CANAL
SECTION 60-88-1
MADISON COUNTY
H. W. LOCHNER, INC.
ENGINEERS
CHICAGO, ILL.

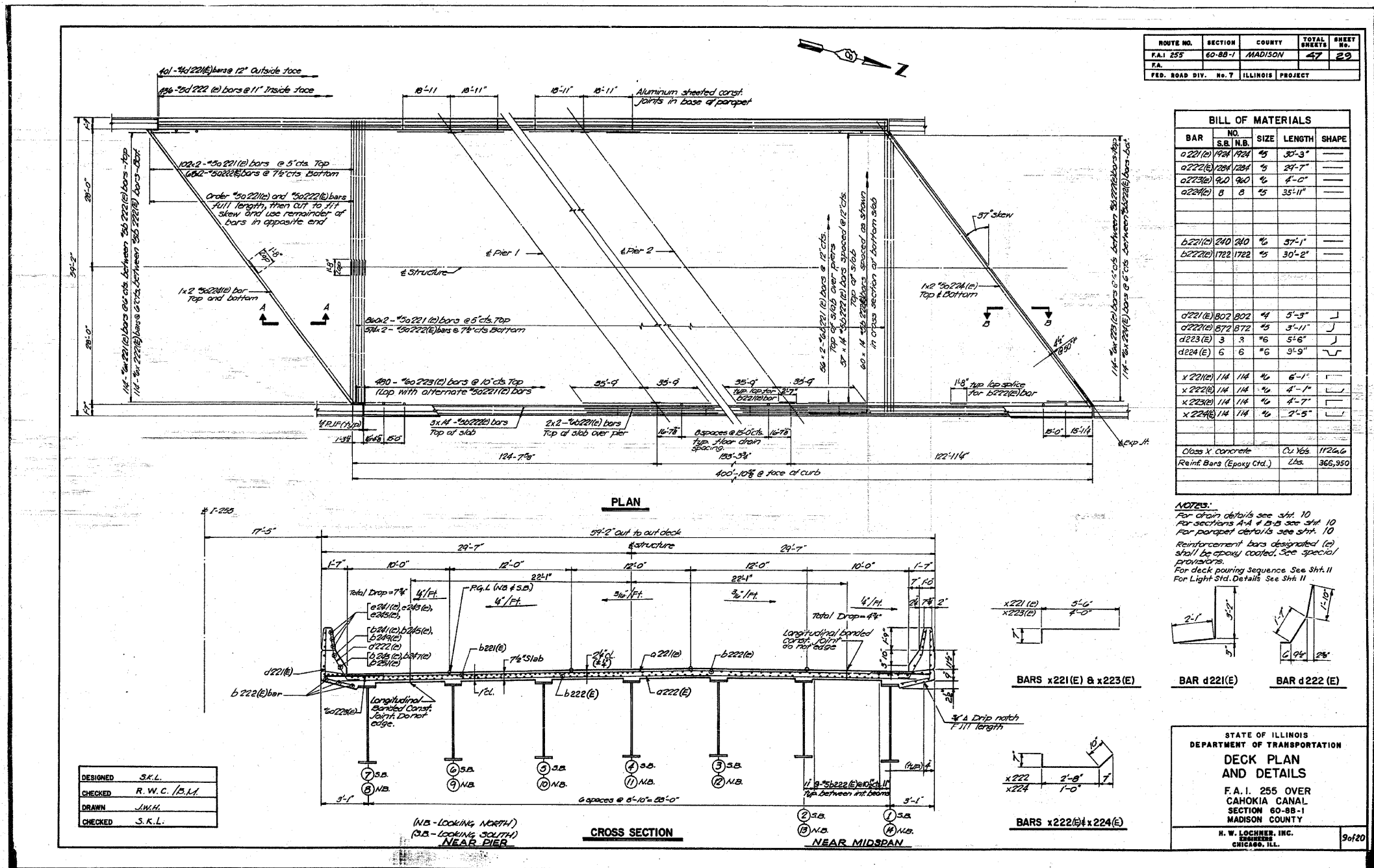
FOR INFORMATION ONLY

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| | | CHECKED - | REVISED - |
| | | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

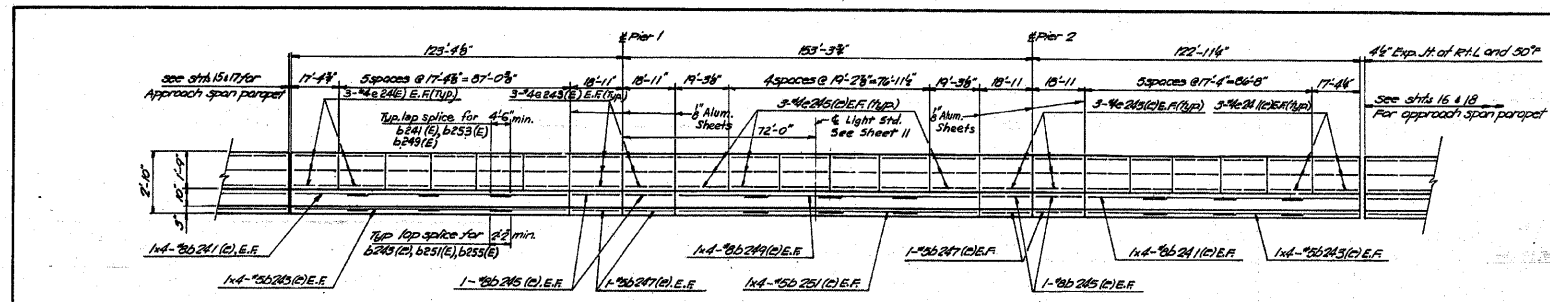
EXISTING STRUCTURE PLANS
SCALE: SHEET NO. 36 OF SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------|---------|--------------|-----------|
| 255 | 60-88-11 | MADISON | 42 | 36 |
| CONTRACT NO. T6A25 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |



FOR INFORMATION ONLY

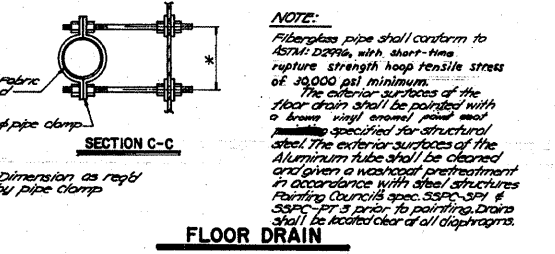
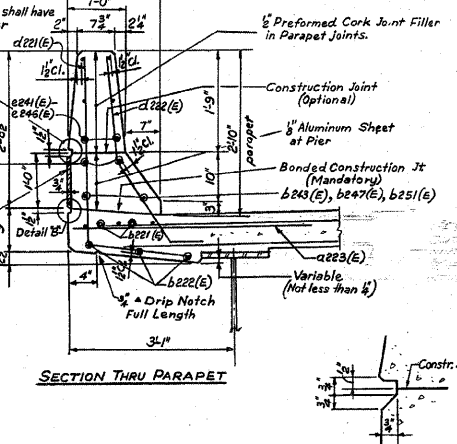
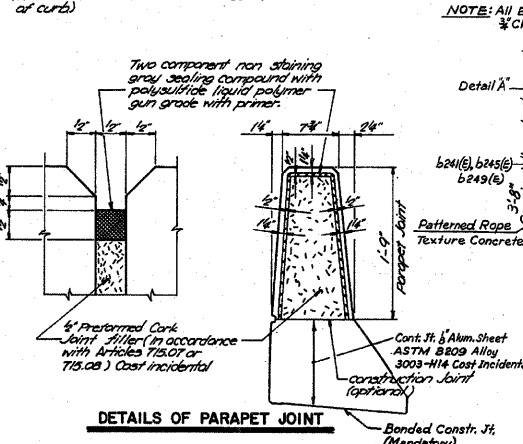
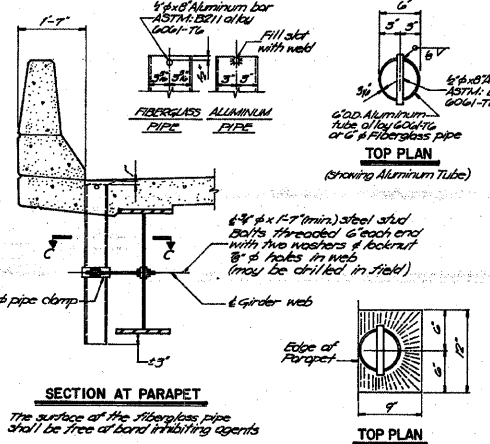
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| PLOT SCALE = 50.0000' / IN. | CHECKED - J.M.H. | DRAWN - J.M.H. | REVISED - | | SCALE: | TO STA. | CONTRACT NO. 76A25 | | FED. ROAD DIST. NO. = ILLINOIS FED. AID PROJECT |
| PLOT DATE = 11/28/2007 | CHECKED - S.K.L. | DRAWN - S.K.L. | REVISED - | | SHEET NO. 37 OF SHEETS | STA. | | | |
| | DATE - | | REVISED - | | | | | | |



| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------------------|---------|---------|--------------|-----------|
| F.A.I. 255 | 60-88-1 | MADISON | 47 | 30 |
| FED. ROAD DIV. NO. 7 ILLINOIS PROJECT | | | | |

| BILL OF MATERIALS | | | | | |
|------------------------|-----|------|--------|-------|--------|
| BAR | NO. | SIZE | LENGTH | SHAPE | |
| a24(e) | 144 | 1/4" | 17'-1" | --- | |
| a24(e) | 48 | 4/8" | 18'-8" | --- | |
| a24(e) | 72 | 3/4" | 19'-0" | --- | |
| b24(e) | 32 | 3/8" | 24'-5" | --- | |
| b24(e) | 32 | 3/8" | 27'-8" | --- | |
| b24(e) | 16 | 3/8" | 18'-5" | --- | |
| b24(e) | 16 | 3/8" | 18'-8" | --- | |
| b24(e) | 16 | 3/8" | 31'-2" | --- | |
| b24(e) | 16 | 3/8" | 30'-5" | --- | |
| Class X concrete | | | | Cu186 | 163.5 |
| Reinft. Bars (Bars/CY) | | | | Lbs. | 19,170 |

INSIDE ELEVATION OF PARAPET
(All dimensions taken from inside face of curb)



| | |
|----------|---------------|
| DESIGNED | S.K.L. |
| CHECKED | R.W.C./B.L.L. |
| DRAWN | J.W.H. |
| CHECKED | S.K.L. |

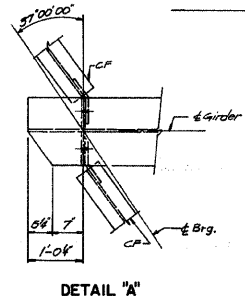
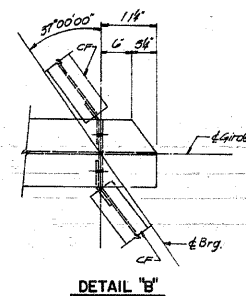
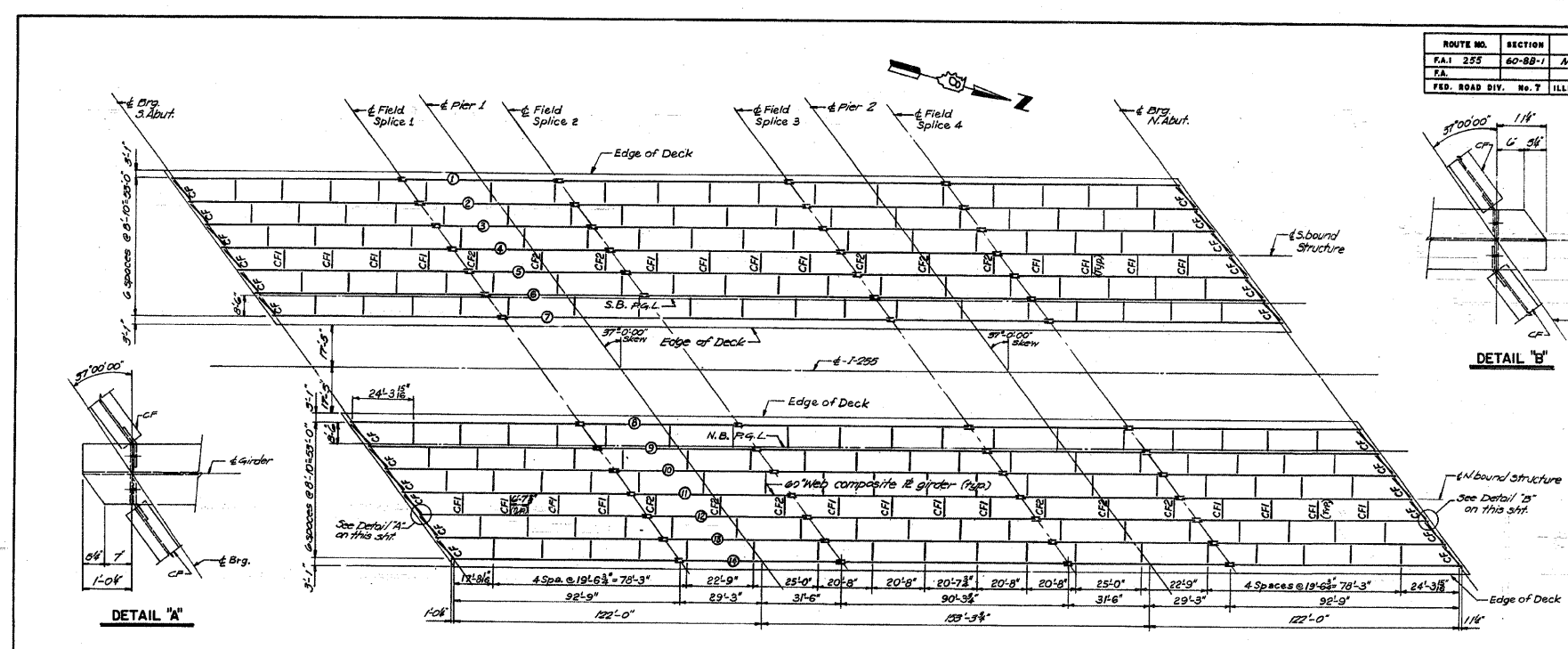
NOTE:
For location of Floor Drains see sheet 9.
Reinforcement bars designated (e) shall be epoxy coated. See special provisions.
E.F. = Each Face.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PARAPET AND FLOOR DRAIN DETAILS
F.A.I. 255 OVER CAHOKIA CANAL
SECTION 60-88-1
MADISON COUNTY
H. W. LOCHNER, INC.
CHICAGO, ILL.
10 of 20
Rev. 3-5-84

FOR INFORMATION ONLY

| | | | | | | | | | | |
|--|------------------------|------------|-----------|---|--------------------------|---------------------|----------|-----------------------------|--------------|-----------|
| FILE NAME = | USER NAME = herbaughrd | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | EXISTING STRUCTURE PLANS | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| ct:\proj\jcts\ed06306\plan\p1n06306a.dgn | | DRAWN - | REVISED - | | | 255 | 60-88-11 | MADISON | 42 | 40 |
| PLOT SCALE = 50.0000' / IN. | | CHECKED - | REVISED - | | | SCALE: | | SHEET NO. 38 OF SHEETS STA. | | TO STA. |
| PLOT DATE = 11/28/2007 | | DATE - | REVISED - | | | FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |
| | | | | | | CONTRACT NO. 76A25 | | | | |

| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------------------|---------|---------|--------------|-----------|
| F.A.I. 255 | 60-88-1 | MADISON | 47 | 32 |
| FED. ROAD DIV. No. 7 ILLINOIS PROJECT | | | | |

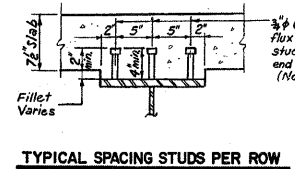
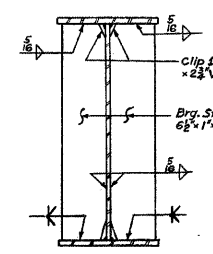


FRAMING PLAN

| | N. ABUT. & S. ABUT. | PIER #1 & PIER #2 |
|-------------|---------------------|-------------------|
| R @ (K) | 62.3 | 217.4 |
| R L (K) | 57.4 | 106.5 |
| IMR (K) | 10.8 | 19.9 |
| R Total (K) | 130.5 | 343.8 |

| | 0.4 SP. 1 OR 0.6 SP. 2 | PIER 1 OR 2 | 0.5 SP. 2 |
|--|------------------------|-------------|-----------|
| I _s (in ⁴) | 32,846 | 60,398 | 32,846 |
| I _c (in ⁴) | 77,655 | 77,655 | 77,655 |
| S _s (in ³) | 1,120 | 1,895 | 1,120 |
| S _c (in ³) | 1,535 | 1,535 | 1,535 |
| Q (K/1) | 1.04 | 1.49 | 1.04 |
| M @ (K) | 1,010 | 2,798 | 934 |
| S @ (K/1) | 0.340 | 0.340 | 0.340 |
| M _s @ (K) | 376 | 420 | 420 |
| M L (K) | 1,301 | 1,270 | 1,405 |
| M Imp. (K) | 263 | 243 | 253 |
| S ₂ (M L + I) (K) | 2,607 | 2,333 | 2,763 |
| M _e (K) | 5,191 | 6,933 | 5,352 |
| M _u (K) | 7,896 | 7,896 | 7,896 |
| f _s @ (Comp.) (k.s.i.) | 10.22 | 17.72 | 10.22 |
| f _s @ (Comp.) (k.s.i.) | 2.80 | 3.24 | 3.24 |
| f _s S ₂ (k + I) (k.s.i.) | 20.02 | 16.05 | 21.52 |
| f _s (Overload) (k.s.i.) | 33.86 | 33.77 | 34.56 |
| f _s (Total) (k.s.i.) | 44.0 | 43.50 | 44.9 |
| VR (K) | 68.7 | 63.9 | 63.9 |

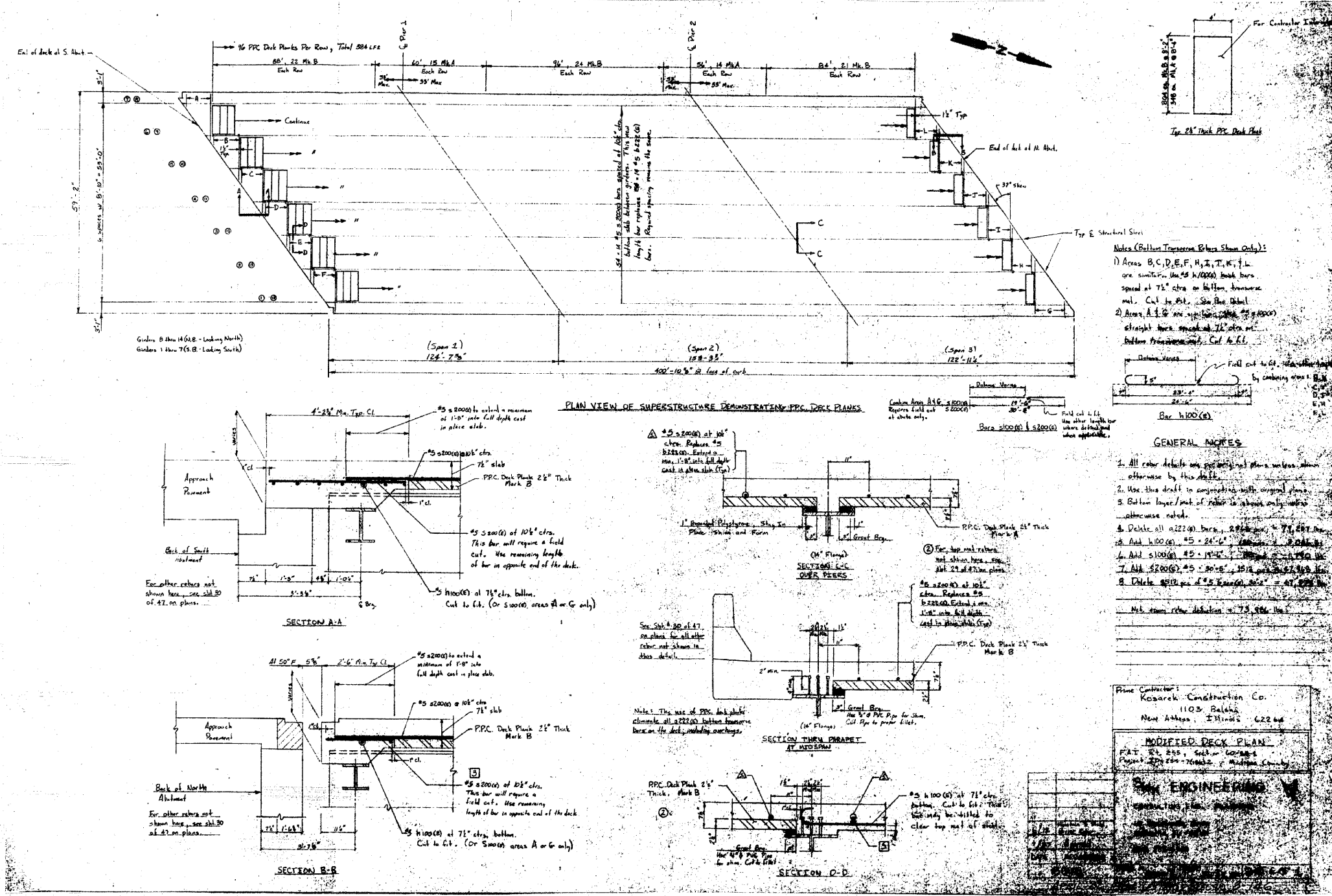
LEGEND:
 I_s and S_s are the moment of inertia and Section Modulus of the steel section used in computing f_s (Total and Overload).
 I_c and S_c are the moment of inertia and Section Modulus of the composite section used in computing f_s (Total and Overload).
 VR is the maximum $\frac{1}{2}$ Impact shear range in Span.
 M_e (Applied Moment) = 1.3[M @ + M_s @ + $\frac{1}{2}$ (M L + I)]
 M_u - Full moment capacity.
 f_s - (Total) is the sum of the stresses due to 1.3[M @ + $\frac{1}{2}$ (M L + I)]
 f_s - (Overload) is the sum of the stresses due to M @ + $\frac{1}{2}$ (M L + I).



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
STEEL DETAILS I
 F.A.I. 255 OVER
 CAHOKIA CANAL
 SECTION 60-88-1
 MADISON COUNTY
 H. W. LOCHNER, INC.
 ENGINEERS
 CHICAGO, ILL.

FOR INFORMATION ONLY

| | | | | | | | | | | | |
|---|-------------------------|-------------------|-------------|---|--------------------------|--------------------|------------------------|----------------|-----------------|------------------------------|------------------|
| FILE NAME = cr\projects\ed08386\plan\pin86386.dgn | USER NAME = harbaughrd | DESIGNED - R.W.C. | REVISIONS - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | EXISTING STRUCTURE PLANS | F.A.I. RTE. 255 | SECTION 60-88-11 | COUNTY MADISON | TOTAL SHEETS 42 | SHEET NO. 41 | |
| PLOT SCALE = 50.0000' / IN. | CHECKED - S.K.L./B.A.J. | DRAWN - J.W.H. | REVISIONS - | | | SCALE: | SHEET NO. 39 OF SHEETS | STA. | TO STA. | FED. ROAD DIST. NO. ILLINOIS | FED. AID PROJECT |
| PLOT DATE = 11/28/2007 | CHECKED - J.M.R. | DATE - | REVISIONS - | | | CONTRACT NO. 76A25 | | | | | |
| | | | | | | | | | | | |



FOR INFORMATION ONLY

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|--|------------------------|------------|-----------|---|---------------------------------|------------------------|------------------|---|--------------------|--------------|--|--|
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| PLOT DATE = 11/28/2007 | DATE - | REVISED - | | | | | | | | | | |
| | | | | | | | | | | | | |