

| DATE REVISION | DATE FILMED | DATE REVISION | DATE FILMED | FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---------------|-------------|---------------|-------------|---------------------|--------|--------------------|-----------|--------------|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 040518 | 145 | 270 |
| | | | | 07229 | LAYOUT | | 52396 | |

GENERAL NOTES

BENCH MARK: BM: 918 Chisled Sq. Center HW LT. 41.2' LT. of Sta. 205 + 25.77, Elev. 1247.12.

CONSTRUCTION SPECIFICATIONS: Arkansas State Highway and Transportation Department Standard Specifications for Highway Construction, (2003 edition), with applicable supplemental specifications and special provisions. Unless otherwise noted in the plans, Section and subsection numbers refer to the Construction Specifications.

DESIGN SPECIFICATIONS: AASHTO LRFD Bridge Design Specifications Fifth Edition (2010), with 2010 Interim specifications.

LIVE LOADING: HL93

METHOD OF DESIGN: LRFD

SEISMIC ZONE: I

MATERIALS AND STRENGTHS:

Class S(AE) Concrete (superstructure)
Class S Concrete (substructure)
Reinforcing Steel (AASHTO M31 or M53, Gr. 60)
Structural Steel (AASHTO M270, Gr. 36)

$f'_c = 4,000$ psi
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi
 $f_y = 36,000$ psi

BORING LOGS: Boring logs may be obtained from the Programs and Contracts Division.

STEEL PILING: All piling in bents no. 1 & 6 shall be HP 12 X 53 piles and shall be driven with an approved air, steam or diesel hammer to a minimum safe bearing capacity of 50 tons per pile and driven into material designated as limestone on the boring legend. All piling in bents no. 2 - 5 shall be HP 14 X 73 piles and shall be driven with an approved air, steam, or diesel hammer to a minimum safe bearing capacity of 95 tons per pile and driven into material designated as limestone on the boring legend. Lengths shown are for estimating quantities and for use in determining payment for cut-off and build-up in accordance with the specifications. Piling in end bents shall be driven after embankment to bottom of cap is in place. On all piles the contractor shall use approved steel H-Pile driving points.

PREBORING: All piling in Bents 2 thru 5 shall be prebored a minimum of 3' into Limestone. After driving, prebored holes in rock shall be backfilled with Class S Concrete to top of rock. All remaining void spaces shall be backfilled as specified in subsection 805.08.

Prebored holes shall have a minimum diameter of 20". The Contractor shall be responsible for keeping prebored holes free of debris prior to backfilling, which may require the use of temporary casings or other methods. Preboring, backfill and any required casings shall not be paid for separately but shall be considered subsidiary to the item "Preboring".

PILE ENCASUREMENT: Pile encasements shall be 27" ϕ and shall extend from the bottom of cap to Elevation 1239.0 for Bents 2 & 5, and to elevation 1237.0 for Bents 3 & 4. See Dwg. No. 14995A. Corrugated metal pipe shall not be used as encasement.

BRIDGE DECK: The concrete bridge deck shall be given a fine finish as specified for final finishing in subsection 802.19 for Class 5 Tined Bridge Roadway Surface Finish. Sidewalk and Median shall be given a Class 6, Broomed Finish.

DETAIL DRAWINGS:

DRAWING NO.

End Bents 52398 - 52402
Intermediate Bents 52403 - 52410
200'-0" Cont. R.C. Slab unit 52411 - 52417
Transition Approach Railing 52418
Steel Piling & Pile Encasement 14995A

TEMPORARY SHORING: Temporary shoring shall be required for Stage I Construction. See SP Job 040518 "Shoring".

EXISTING STRUCTURE: Existing structure No. X0272 (log mile 6.22) is 44' wide and 38' long and consists of a three barrel concrete box culvert with concrete wingwalls. The existing structure is located approximately 20 feet West of the proposed centerline alignment.

REMOVAL AND SALVAGE: The existing structure shall be removed in accordance with Section 202. All material from the existing structure shall become the property of the Contractor.

MAINTENANCE OF TRAFFIC: For Maintenance of Traffic, see Roadway Plans.

LAYOUT OF BRIDGE OVER CLEAR CREEK

E. JOYCE BLVD.-CITY LIMITS (FAYETTEVILLE) (S)
WASHINGTON COUNTY

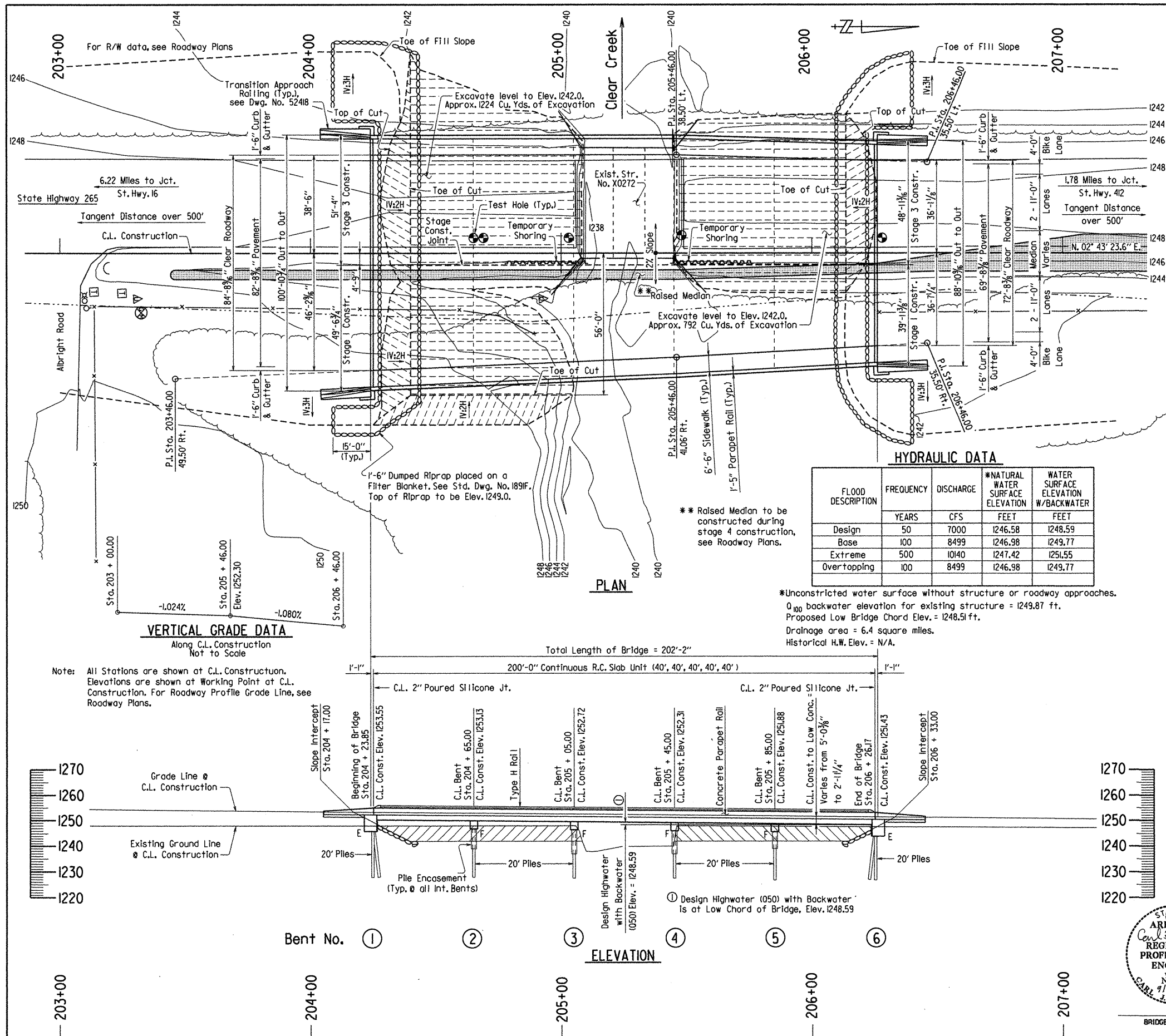
ROUTE 265 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

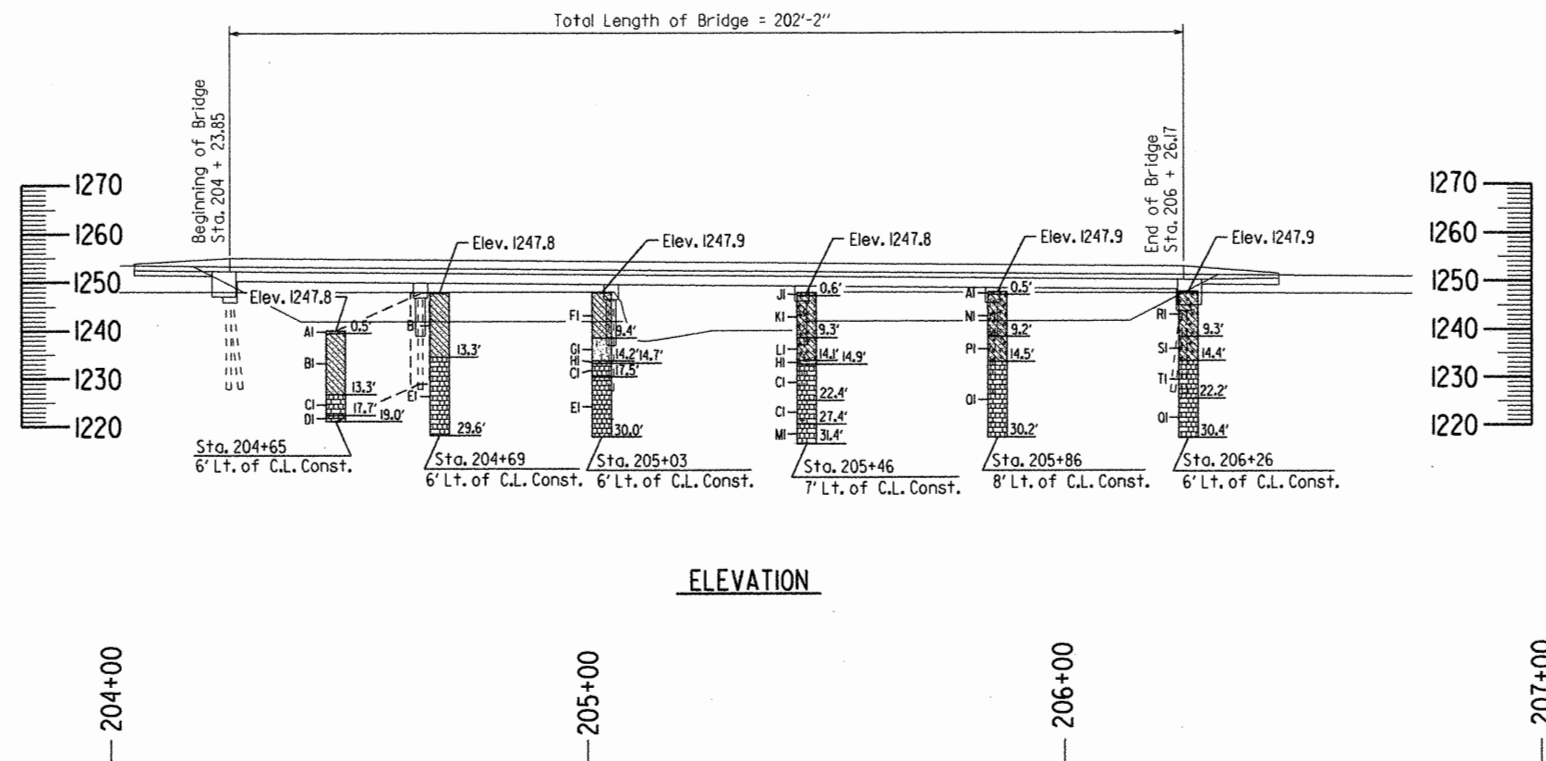
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CHECKED BY: TMB DATE: 9/1/11 SCALE: 1" = 20'-0"
DESIGNED BY: DBS DATE: 1/27/11
BRIDGE NO. 07229 DRAWING NO. 52396



BRIDGE ENGINEER



| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|-------------|--------------|-------------|---------------------|-------|--------------------|-----------|--------------|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 040518 | 146 | 270 |
| 07229 SOIL BORINGS & STAGE CONST. 52397 | | | | | | | | |



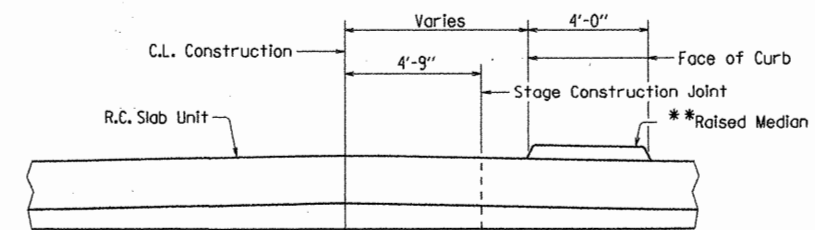
ELEVATION

BORING LEGEND

AI-Asphalt Pavement (0 - 0.5')
 BI-Moist, Soft, Brown Sandy Clay with some Limestone Fragments
 CI-Hard, Gray Fractured Limestone
 DI-Hard, Gray Limestone
 EI-Hard, Gray Limestone
 FI-Moist, Medium Stiff, Brown Sandy Clay with some Limestone Fragments
 GI-Wet, Very Loose, Silty Sand with some Limestone Fragments
 HI-Wet, Very Dense, Gray Sand with Limestone Fragments
 JI-Asphalt Pavement (0 - 0.6')
 KI-Moist, Medium Stiff, Reddish Brown Gravelly (Cherty Limestone Fragments) Clay with Sand
 LI-Moist, Soft, Reddish Brown to Brown Gravelly (Chert Fragments) Clay with Sand
 MI-Hard, Gray Limestone with some Fractured Seams
 NI-Moist, Stiff, Brown Gravelly (Cherty Limestone Fragments) Clay with Sand
 PI-Wet, Stiff, Brown Gravelly (Cherty Limestone Fragments) Clay with Sand
 QI-Hard, Gray Fractured Limestone with some Chert Seams
 RI-Moist, Very Stiff, Reddish Brown Gravelly (Cherty Limestone Fragments) Clay with Sand
 SI-Wet, Medium Stiff, Brown Gravelly (Cherty Limestone Fragments) Clay with Sand
 TI-Hard, Gray Fractured Cherty Limestone

"N" VALUES

Sta. 204+65 - 6' Lt. of C.L. Constr.
 4.5- 5.5, N=4
 9.5- 10.5, N=4
 Sta. 204+69 - 6' Lt. of C.L. Constr.
 4.9- 5.9, N=8
 9.9- 10.9, N=2
 14.4- 14.7, N=60(4')
 Sta. 205+03 - 6' Lt. of C.L. Constr.
 4.9- 5.9, N=8
 9.9- 10.9, N=2
 14.4- 14.7, N=60(4')
 Sta. 205+46 - 7' Lt. of C.L. Constr.
 4.8- 5.8, N=8
 9.8- 10.8, N=4
 14.8- 15.0, N=60(2')
 Sta. 205+86 - 8' Lt. of C.L. Constr.
 5.0- 6.0, N=12
 10.0- 11.0, N=9
 14.5- 14.6, N=60(1')
 Sta. 206+26 - 6' Lt. of C.L. Constr.
 4.9- 5.9, N=24
 9.9- 10.9, N=8
 14.4- 14.7, N=60(4')

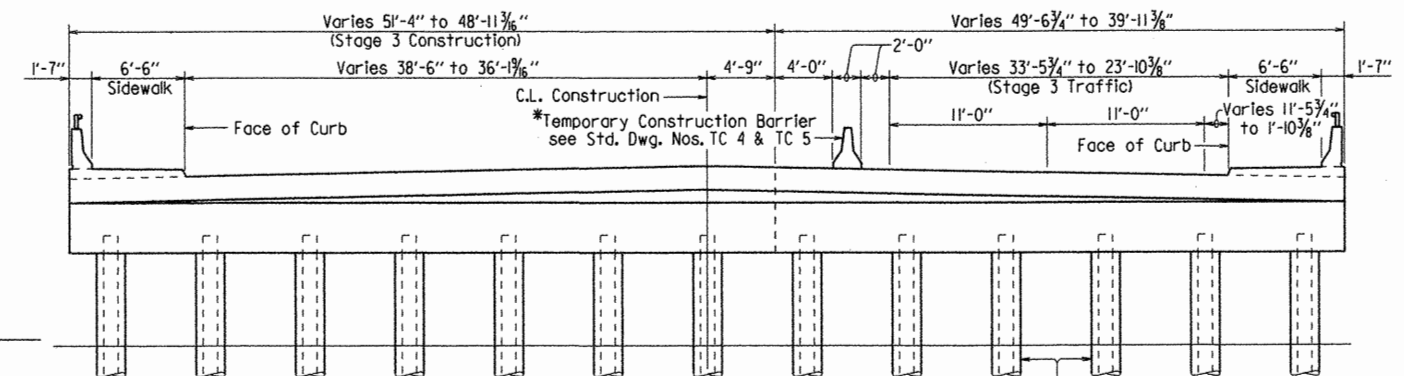


**Note: For additional information, see Roadway Plans, end bent details, and span details.

STAGE 4 CONSTRUCTION

LOOKING AHEAD
 NOT TO SCALE

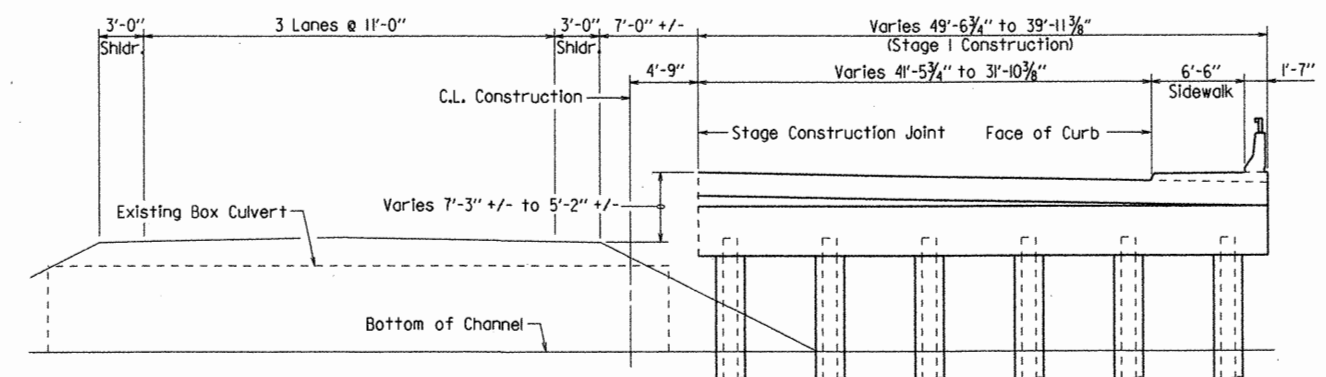
**Note: Bolts for barrier stabilization are not required.



STAGE 3 CONSTRUCTION

LOOKING AHEAD
 NOT TO SCALE

Steel H-Piles with 27" Ø
 Concrete Encasement (Typ.)
 See Std. DWG 14995A.

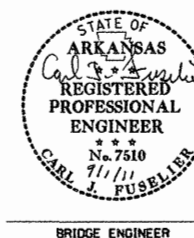


Note: Portions of existing culvert may require removal for Stage 1 Construction.

STAGE 1 CONSTRUCTION

LOOKING AHEAD
 NOT TO SCALE

SOIL BORINGS & STAGE CONSTRUCTION
 CLEAR CREEK
 E. JOYCE BLVD.-CITY LIMITS (FAYETTEVILLE) (S)
 WASHINGTON COUNTY
 ROUTE 265 SEC. 2
 ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.
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 CHECKED BY: TNG DATE: 8/30/11 SCALE: 1" = 20'-0"
 DESIGNED BY: DBS DATE: 1/27/11
 BRIDGE NO. 07229 DRAWING NO. 52397



Note: Class I Protective surface Treatment shall be applied to the Roadway Face and Top of End Bent Rail, Top of Sidewalk, and to the Top of the Backwall.

Note: For "SECTION A-A, B-B, C-C, & D-D", see Dwg. No. 52402

① Beginning of Bridge to C. L. Joint

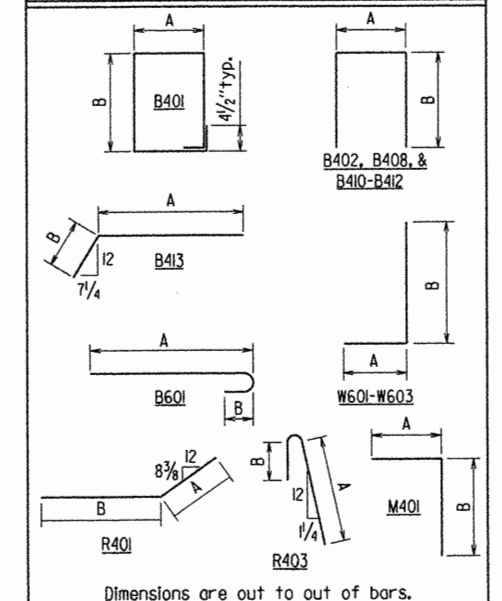
Working Point for 1V:2H Slope

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|---------------------|------------|--------------------|-----------|--------------|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 040518 | 147 | 270 |
| | | | | 07299 | END BENT I | | 52398 | |

BAR LIST - STAGE I

| MARK | NO. | REQ'D. | LENGTH | "A" | "B" | P.D. |
|-------|-----|---------|--------|--------|--------|------|
| B401 | 54 | 10'-4" | 2'-10" | 2'-2" | 2" | |
| B402 | 24 | 7'-0" | 2'-10" | 2'-2" | 2" | |
| B403 | 21 | 5'-6" | - | - | Str. | |
| B404 | 12 | 5'-4" | - | - | Str. | |
| B405 | 5 | 38'-7" | - | - | Str. | |
| B406 | 5 | 26'-7" | - | - | Str. | |
| B407 | 5 | 10'-7" | - | - | Str. | |
| B408 | 37 | 5'-8" | 2'-10" | 1'-6" | 2" | |
| B409 | 3 | 3'-0" | - | - | Str. | |
| B410 | 51 | 4'-8" | 1'-2" | 1'-10" | 2" | |
| B411 | 9 | 5'-2" | 8" | 2'-4" | 2" | |
| B412 | 42 | 4'-2" | 8" | 1'-10" | 2" | |
| B413 | 2 | 9'-0" | 7'-7" | 1'-6" | 2" | |
| W401 | 23 | 5'-0" | - | - | Str. | |
| B601 | 5 | 53'-10" | 53'-2" | 6" | 4 1/2" | |
| B602 | 6 | 52'-2" | - | - | Str. | |
| W601 | 10 | 9'-4" | 4'-9" | 4'-9" | 4 1/2" | |
| W602 | 10 | 10'-1" | 6'-4" | 3'-11" | 4 1/2" | |
| W603 | 10 | 8'-1" | 3'-6" | 4'-9" | 4 1/2" | |
| R401 | 2 | 6'-5" | 1'-2" | 5'-3" | 2" | |
| R402 | 2 | 7'-9" | - | - | Str. | |
| R403 | 2 | 3'-11" | 2'-6" | 1'-0" | 3" | |
| R404 | 5 | 8" | - | - | Str. | |
| M401E | 4 | 2'-10" | 2'-0" | 9 1/2" | 2" | |

BENDING DIAGRAMS



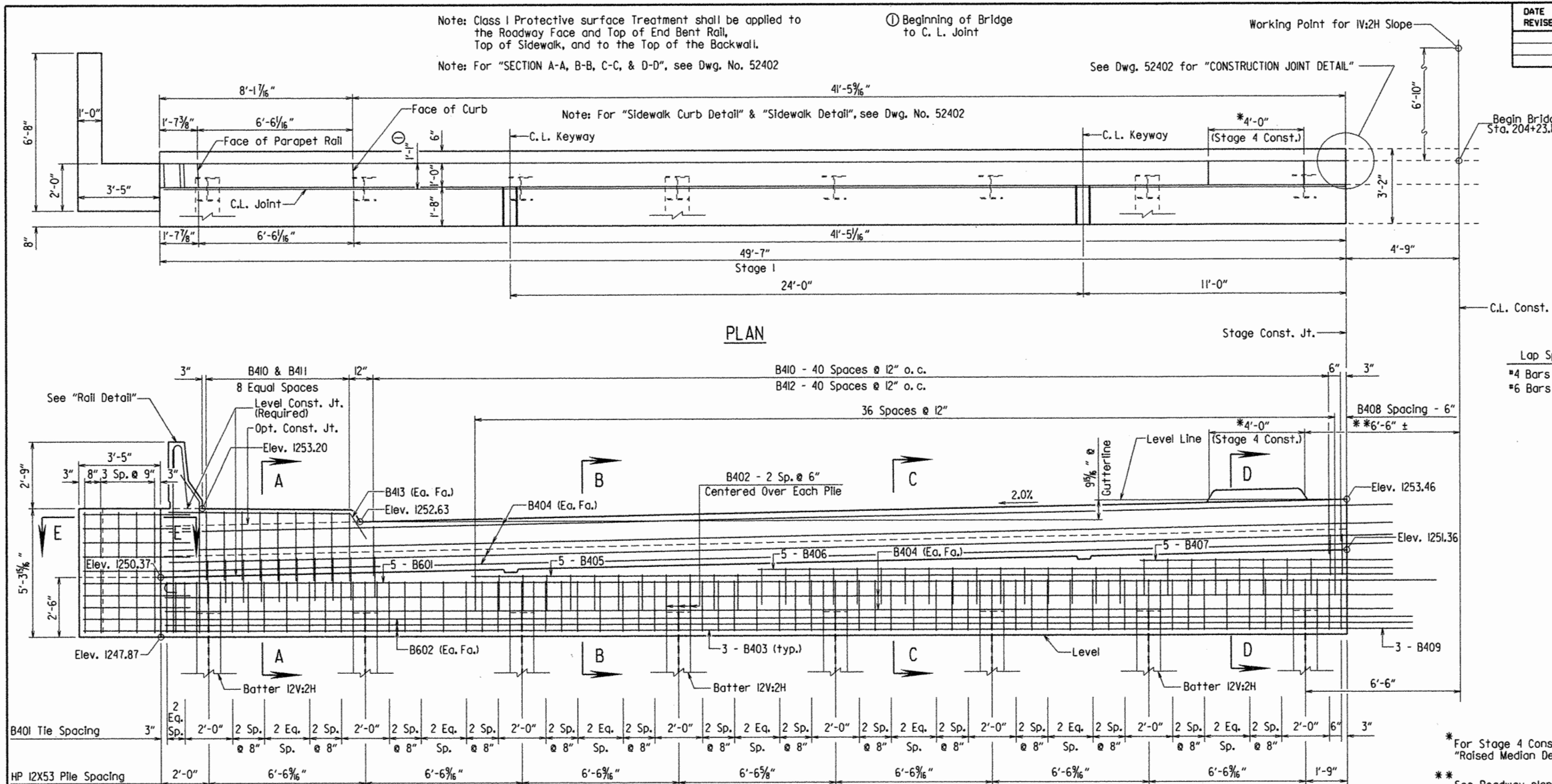
DETAILS OF END BENT I STAGE I

ROUTE 265 SEC. 2

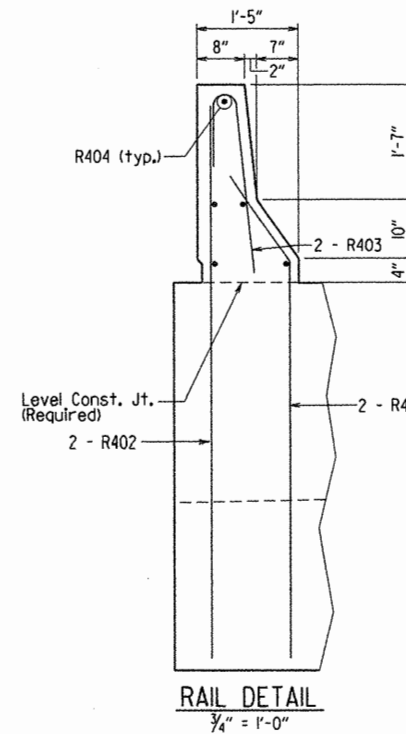
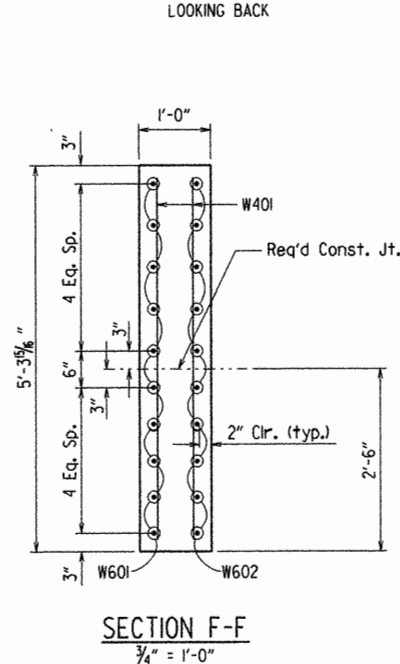
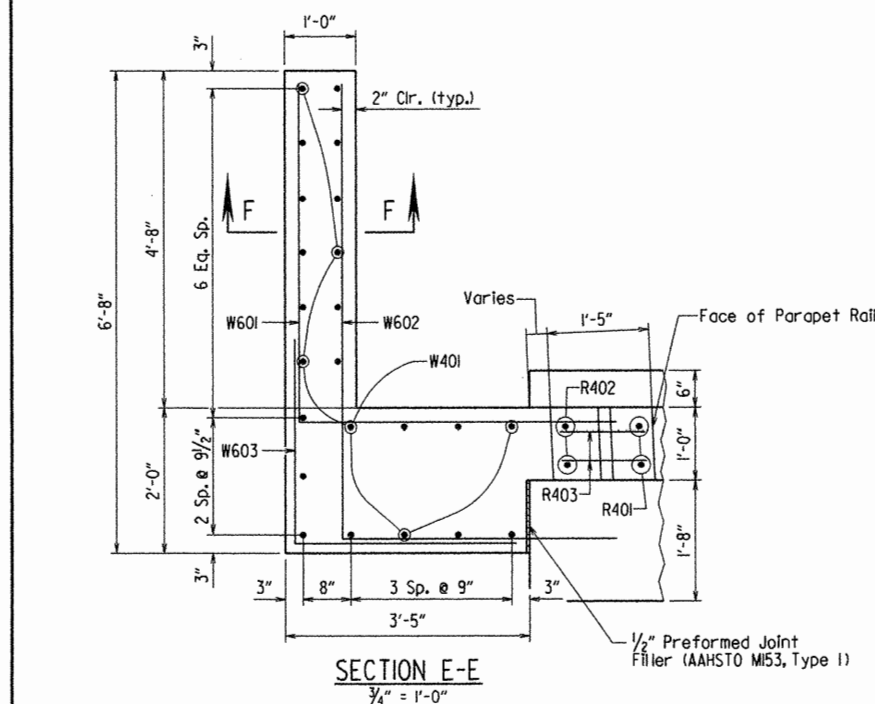
ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

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 CHECKED BY: BEF DATE: 8/11/11 SCALE: 3/8" = 1'-0"
 DESIGNED BY: TMC DATE: 5/11 OR AS NOTED
 BRIDGE NO. 07229 DRAWING NO. 52398



ELEVATION LOOKING BACK



KEYWAY DETAIL

No Scale

Note: M401E bars shall be epoxy coated and shall be measured and paid for as "Epoxy Coated Reinforcing Steel (Grade 60)."

GENERAL NOTES

All Concrete shall be Class "S" and shall be poured in the dry with a min. 28-day compression strength $f'_c = 3500$ psi. All exposed corners to be chamfered $3/4"$ unless otherwise noted.

All Reinforcing steel shall conform to AASHTO M31 or M53, Grade 60.

Concrete in Backwall shall not be poured before all deck span concrete has been poured.

For additional information, See Layout.

1/8" Thick Bearing Pad glued to cap. See Span Details for additional details and notes.



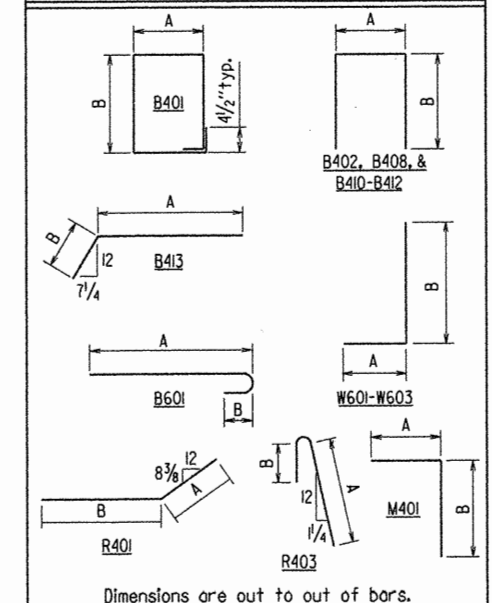
BRIDGE ENGINEER

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|---------------------|-------|--------------------|-----------|--------------|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 040518 | 147 | 270 |
| | | | | 07229 | | END BENT 6 | 52400 | |

BAR LIST - STAGE 1

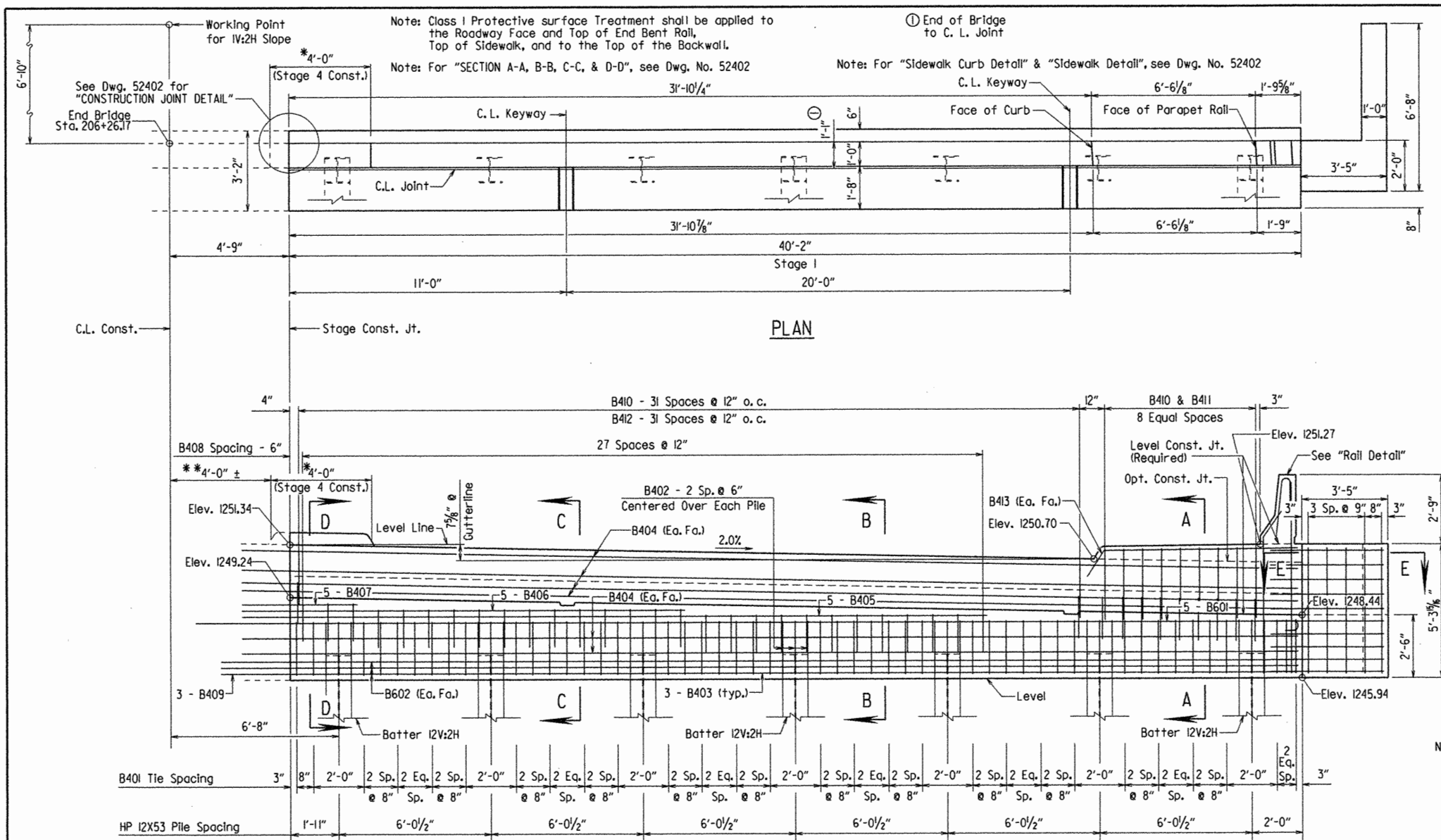
| MARK | NO. REQ'D. | LENGTH | "A" | "B" | P.D. |
|-------|------------|---------|--------|--------|------|
| B401 | 47 | 10'-4" | 2'-10" | 2'-2" | 2" |
| B402 | 21 | 7'-0" | 2'-10" | 2'-2" | 2" |
| B403 | 18 | 5'-0" | - | - | Str. |
| B404 | 12 | 41'-11" | - | - | Str. |
| B405 | 5 | 29'-7" | - | - | Str. |
| B406 | 5 | 17'-7" | - | - | Str. |
| B407 | 5 | 4'-7" | - | - | Str. |
| B408 | 28 | 5'-8" | 2'-10" | 1'-6" | 2" |
| B409 | 3 | 3'-2" | - | - | Str. |
| B410 | 41 | 4'-8" | 1'-2" | 1'-10" | 2" |
| B411 | 9 | 5'-2" | 8" | 2'-4" | 2" |
| B412 | 32 | 4'-2" | 8" | 1'-10" | 2" |
| B413 | 2 | 9'-0" | 7'-7" | 1'-6" | 2" |
| W401 | 23 | 5'-0" | - | - | Str. |
| B601 | 5 | 44'-5" | 43'-9" | 6" | 4½" |
| B602 | 6 | 42'-9" | - | - | Str. |
| W601 | 10 | 9'-4" | 4'-9" | 4'-9" | 4½" |
| W602 | 10 | 10'-1" | 6'-4" | 3'-11" | 4½" |
| W603 | 10 | 8'-1" | 3'-6" | 4'-9" | 4½" |
| R401 | 2 | 6'-5" | 1'-2" | 5'-3" | 2" |
| R402 | 2 | 7'-9" | - | - | Str. |
| R403 | 2 | 3'-11" | 2'-6" | 1'-0" | 3" |
| R404 | 5 | 8" | - | - | Str. |
| M401E | 4 | 2'-10" | 2'-0" | 9½" | 2" |

BENDING DIAGRAMS



DETAILS OF END BENT 6 STAGE 1

ROUTE 265 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.
 DRAWN BY: TMG DATE: 7/18/2011 FILENAME: B040518X1.BLDGN
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 DESIGNED BY: TMG DATE: 5/11 OR AS NOTED
 BRIDGE NO. 07229 DRAWING NO. 52400



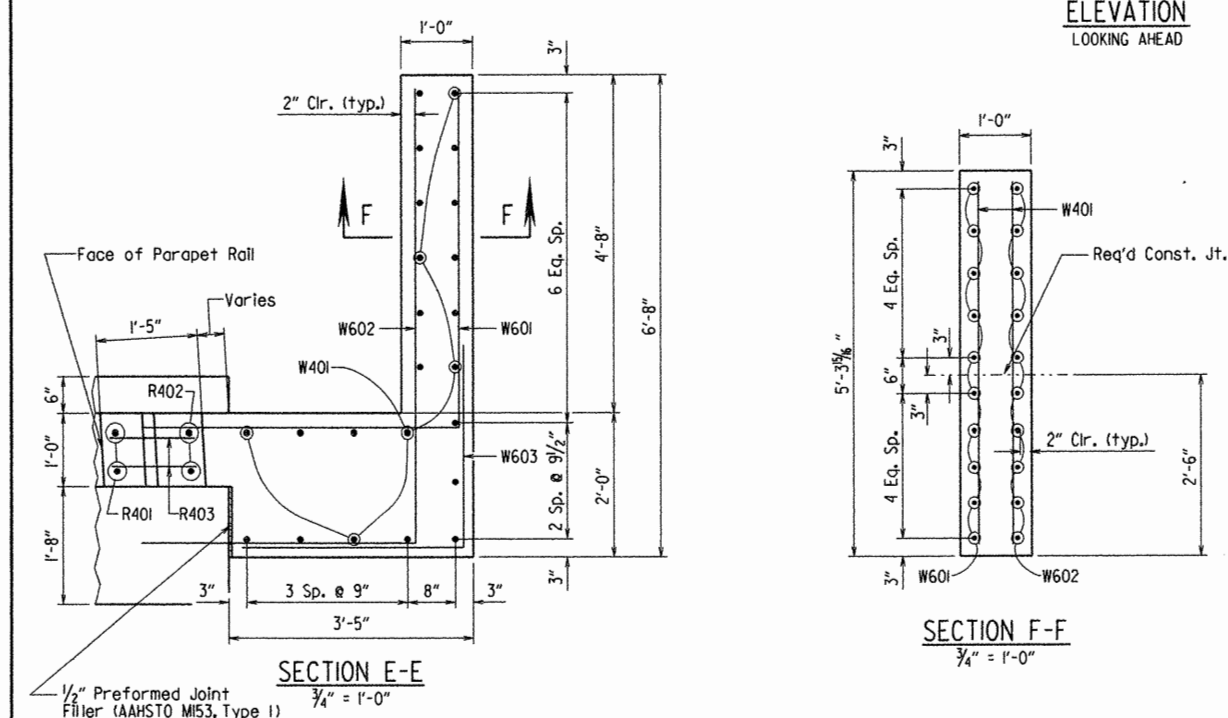
PLAN

Lap Splice Lengths
 #4 Bars = 1'-9"
 #6 Bars = 3'-7" (Top)
 2'-7" (Bottom)

* For Stage 4 Construction, see "Raised Median Detail" Dwg. No. 52402.
 ** See Roadway plans regarding layout of Raised Median.

Note: M401E bars shall be epoxy coated and shall be measured and paid for as "Epoxy Coated Reinforcing Steel (Grade 60)."

ELEVATION LOOKING AHEAD



SECTION E-E

SECTION F-F

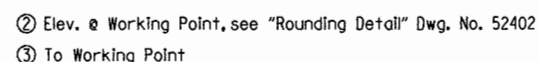
RAIL DETAIL

KEYWAY DETAIL

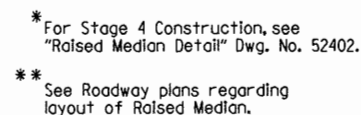
GENERAL NOTES
 All Concrete shall be Class "S" and shall be poured in the dry with a min. 28-day compression strength $f'_c = 3500$ psi. All exposed corners to be chamfered $3/4"$ unless otherwise noted.
 All Reinforcing steel shall conform to AASHTO M31 or M53, Grade 60.
 Concrete in Backwall shall not be poured before all deck span concrete has been poured.
 For additional information, See Layout.

1/8" Thick Bearing Pad glued to cap.
 See Span Details for additional details and notes.

BAR LIST - STAGE 3

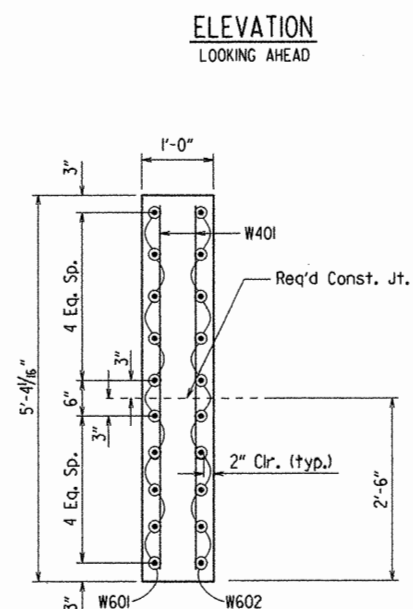


C.L. Const. \longrightarrow \longleftarrow Stage Const. Jt.

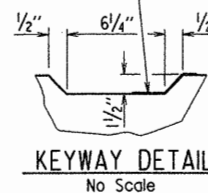


ELEVATION

LOOKING AHEAD



RAIL DETAIL
3/4" = 1'-0"



KEYWAY DETAIL
No Scale

All Concrete shall be Class "S" and shall be poured in the dry with a min. 28-day compression strength $f'_c = 3500$ psi. All exposed corners to be chamfered $\frac{3}{4}"$ unless otherwise noted.

All Reinforcing steel shall conform to AASHTO M31 or M53, Grade 60.

Concrete in Backwall shall not be poured before all deck span concrete has been poured.

For additional information, See Layout.

1/8" Thick Bearing Pad glued to cap.
See Span Details for additional
details and notes.



ROUTE 265 SEC. 2

ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

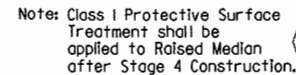
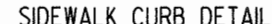
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CHECKED BY: BEF DATE: 8/17/11 SCALE: $\frac{3}{8}'' = 1'-0''$
DESIGNED BY: TMG DATE: 5/11 OR AS NOTED

BRIDGE NO. 07229

DRAWING NO. 52401

07229 COMMON END BENT DETAILS 52402



Cope 6" leg of angle
6" from face of curb
and bend 4" leg to
conform to Curb Detail.

$\frac{3}{8}$ " Pattern PL (Conform to
Sidewalk Curb Detail)
Stop 1" above Gutter



DETAIL 7



BRIDGE ENGINEER

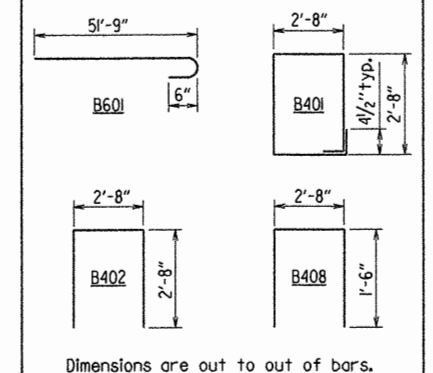
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 BRIDGE NO. 07229 DRAWING NO. 52402

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| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 040518 | 152 | 270 |
| | | | | 07229 | | INT. BENT 2 | 52403 | |

BAR LIST - STAGE I

| MARK | NO. REQ'D. | LENGTH | P.D. |
|--------|------------|---------|--------|
| B401 | 68 | 11'-0" | 2" |
| B402 | 24 | 7'-10" | 2" |
| B403 | 21 | 5'-2" | Str. |
| B404 | 8 | 49'-11" | Str. |
| B405 | 4 | 37'-7" | Str. |
| B406 | 4 | 24'-7" | Str. |
| B407 | 4 | 12'-7" | Str. |
| B408 | 36 | 5'-6" | 2" |
| B409 | 3 | 2'-8" | Str. |
| *D40IE | 96 | 3'-0" | Str. |
| B601 | 5 | 52'-5" | 4 1/2" |
| B602 | 6 | 50'-9" | Str. |

BENDING DIAGRAMS



*D40IE bars shall be epoxy coated and shall be measured and paid for as "Epoxy Coated Reinforcing Steel (Grade 60)."

GENERAL NOTES

All Concrete shall be Class "S" and shall be poured in the dry with a min. 28-day compression strength $f'_c = 3500$ psi. All exposed corners to be chamfered $\frac{3}{4}$ " unless otherwise noted.

All Reinforcing steel shall conform to AASHTO M31 or M53, Grade 60.

For details of pile encasement, see dwg. no. 14995A.

For additional information, See Layout.

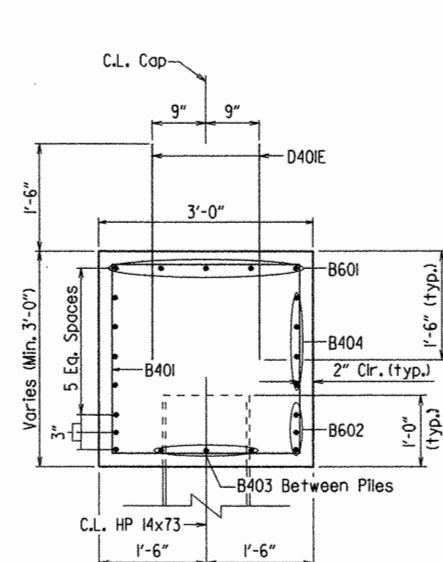
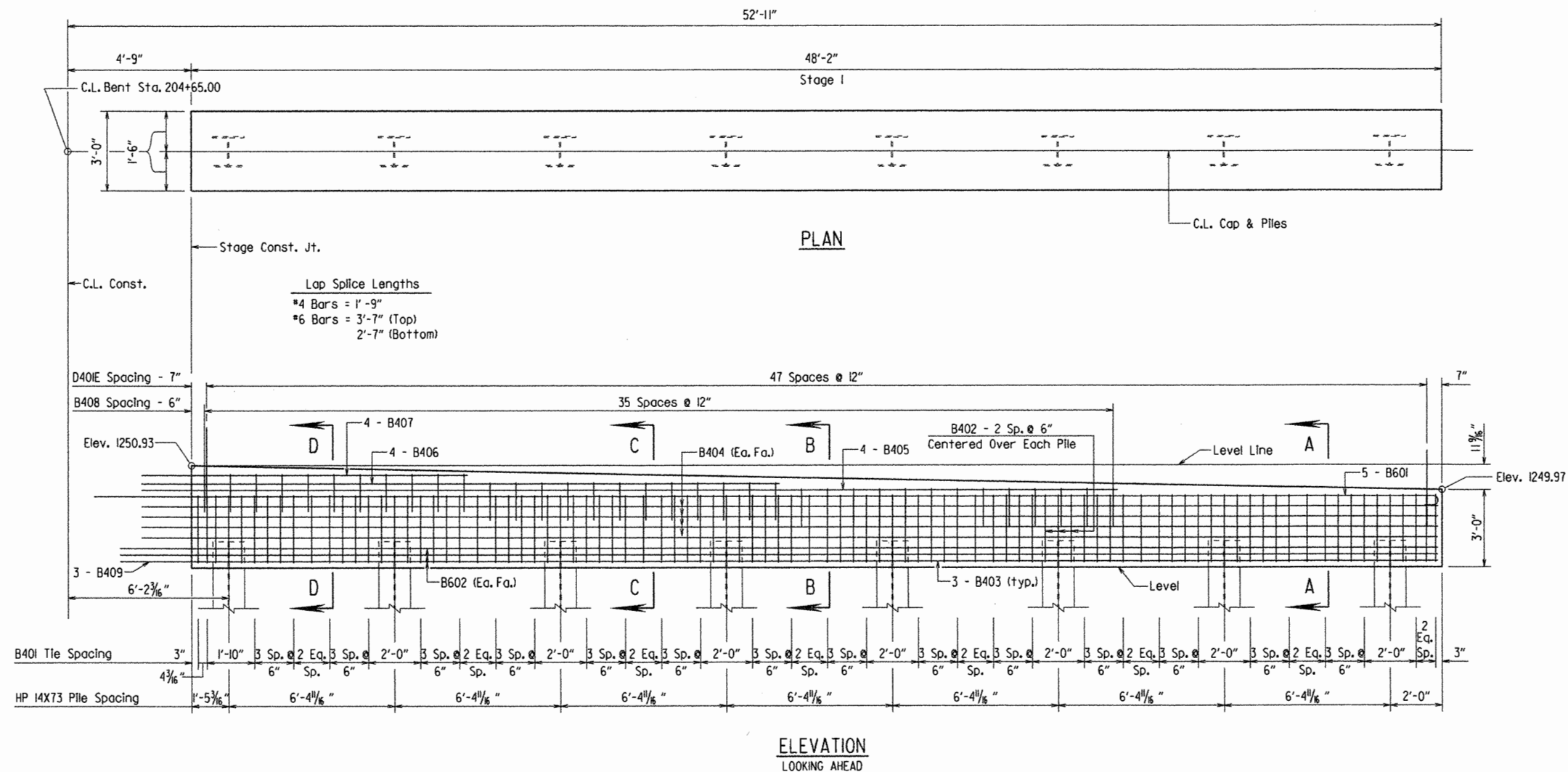
DETAILS OF INTERMEDIATE BENT NO. 2 STAGE I

ROUTE 265 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

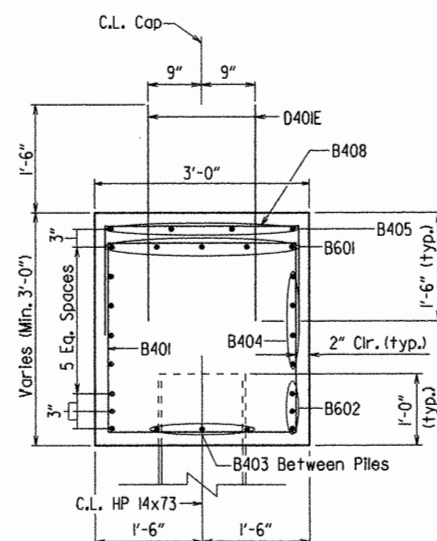
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CHECKED BY: BEE DATE: 8/1/11 SCALE: $\frac{3}{4}$ " = 1'-0"
DESIGNED BY: JMG DATE: 5/11 OR AS NOTED
BRIDGE NO. 07229 DRAWING NO. 52403



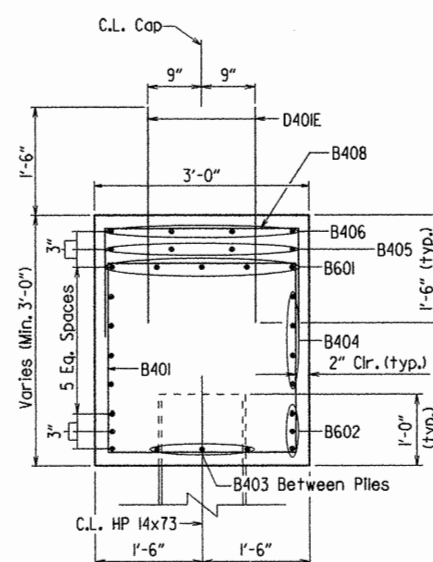
BRIDGE ENGINEER



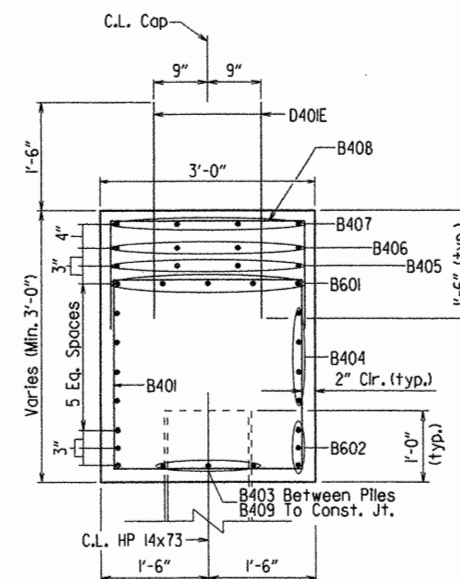
SECTION A-A
 $\frac{3}{4}$ " = 1'-0"



SECTION B-B
 $\frac{3}{4}$ " = 1'-0"



SECTION C-C
 $\frac{3}{4}$ " = 1'-0"



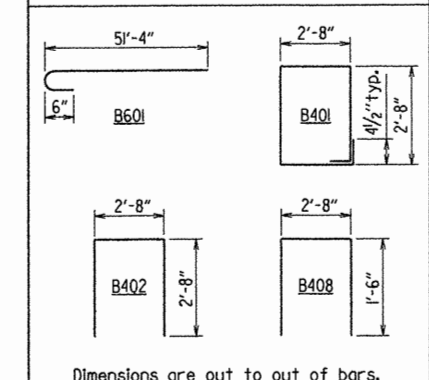
SECTION D-D
 $\frac{3}{4}$ " = 1'-0"

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|---------------------|-------|--------------------|-------------|--------------|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 040518 | 153 | 270 |
| | | | | | | 07229 | INT. BENT 2 | 52404 |

BAR LIST - STAGE 3

| MARK | NO. REQ'D. | LENGTH | P.D. |
|--------|------------|--------|--------|
| B401 | 74 | 11'-0" | 2" |
| B402 | 24 | 7'-10" | 2" |
| B403 | 21 | 5'-2" | Str. |
| B404 | 8 | 5'-4" | Str. |
| B405 | 4 | 45'-6" | Str. |
| B406 | 4 | 32'-6" | Str. |
| B407 | 4 | 15'-6" | Str. |
| B408 | 46 | 5'-6" | 2" |
| B409 | 3 | 4'-2" | Str. |
| *D401E | 104 | 3'-0" | Str. |
| B601 | 5 | 52'-0" | 4 1/2" |
| B602 | 6 | 51'-4" | Str. |

BENDING DIAGRAMS



*D401E bars shall be epoxy coated and shall be measured and paid for as "Epoxy Coated Reinforcing Steel (Grade 60)."

GENERAL NOTES

All Concrete shall be Class "S" and shall be poured in the dry with a min. 28-day compression strength $f'_c = 3500$ psi. All exposed corners to be chamfered $\frac{3}{4}$ " unless otherwise noted.

All Reinforcing steel shall conform to AASHTO M31 or M53, Grade 60.

For details of pile encasement, see dwg. no. 14995A.

For additional information, See Layout.

DETAILS OF INTERMEDIATE BENT NO. 2 STAGE 3

ROUTE 265 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

DRAWN BY: TMG DATE: 6/2/2011 FILENAME: B040518X1.BLDGN

CHECKED BY: BEF DATE: 6/17/11 SCALE: $\frac{3}{8}$ " = 1'-0"

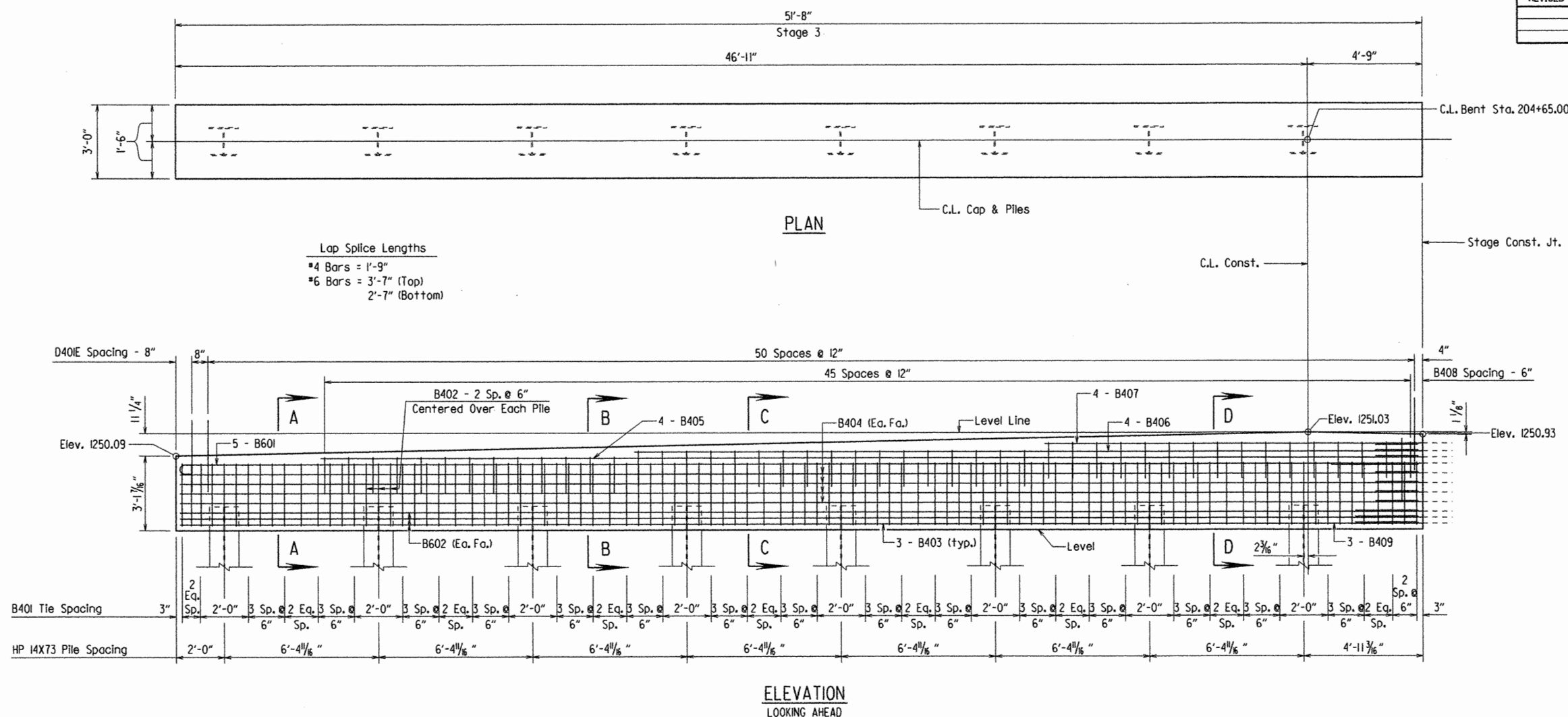
DESIGNED BY: TMG DATE: 5/11 OR AS NOTED

BRIDGE NO. 07229

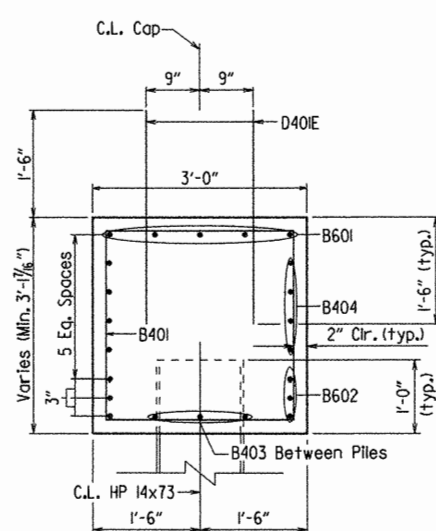
DRAWING NO. 52404



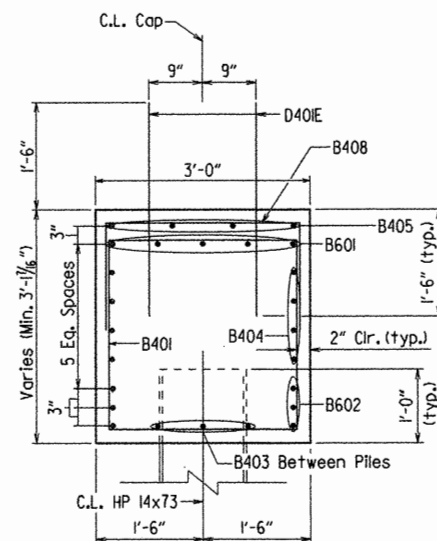
BRIDGE ENGINEER



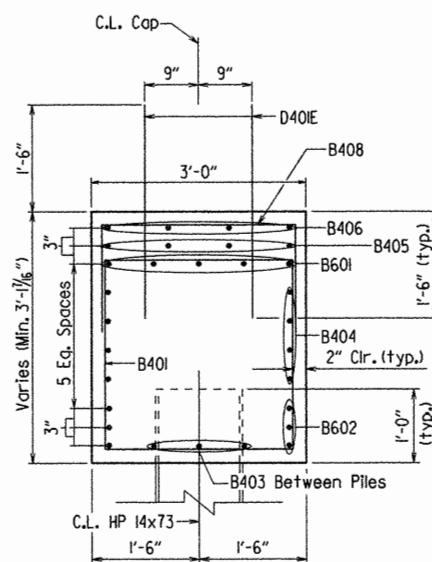
ELEVATION LOOKING AHEAD



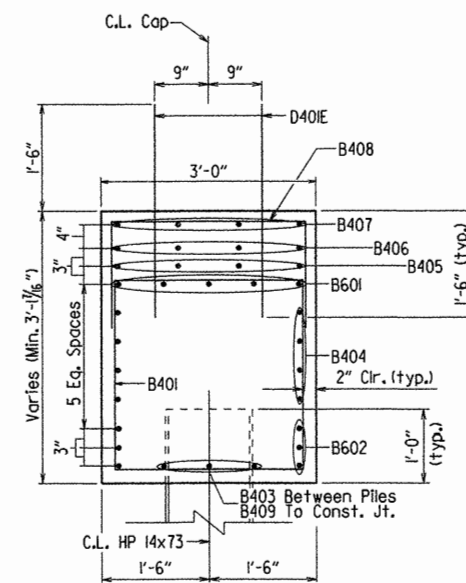
SECTION A-A
 $\frac{3}{4}$ " = 1'-0"



SECTION B-B
 $\frac{3}{4}$ " = 1'-0"



SECTION C-C
 $\frac{3}{4}$ " = 1'-0"



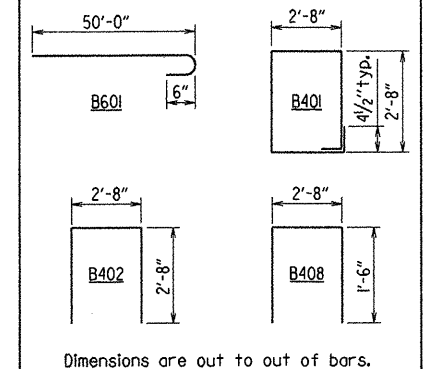
SECTION D-D
 $\frac{3}{4}$ " = 1'-0"

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|---------------------|-------|--------------------|-----------|--------------|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 040518 | 154 | 220 |
| | | | | 07229 | | INT. BENT 3 | 52405 | |

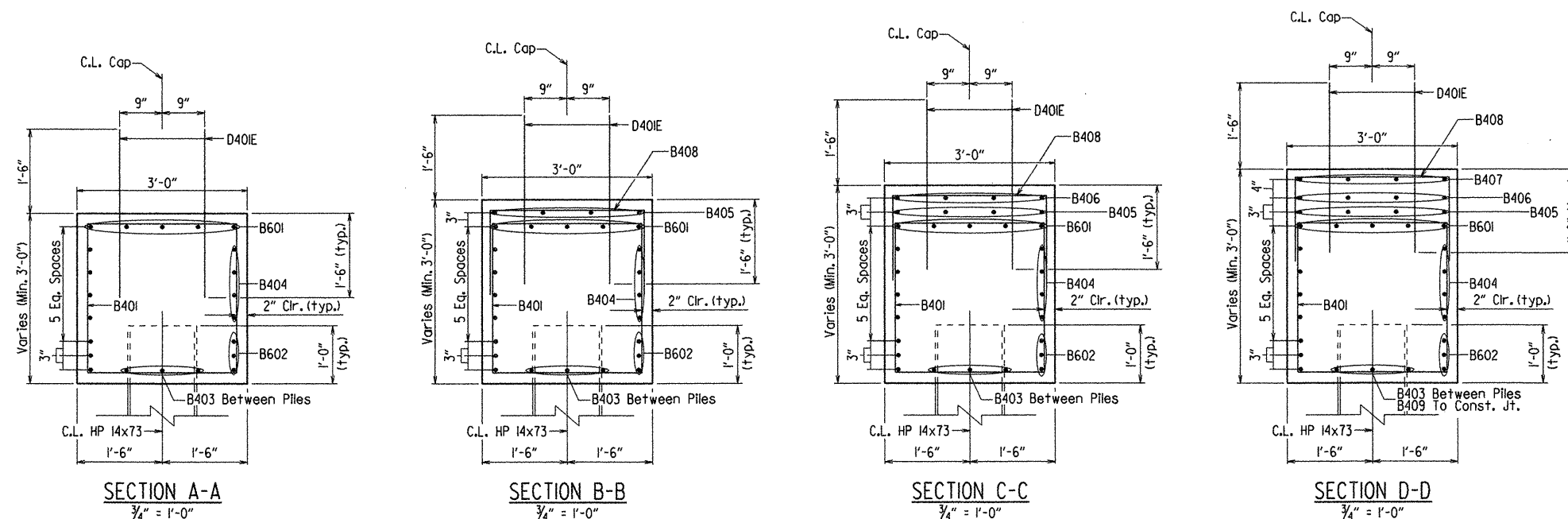
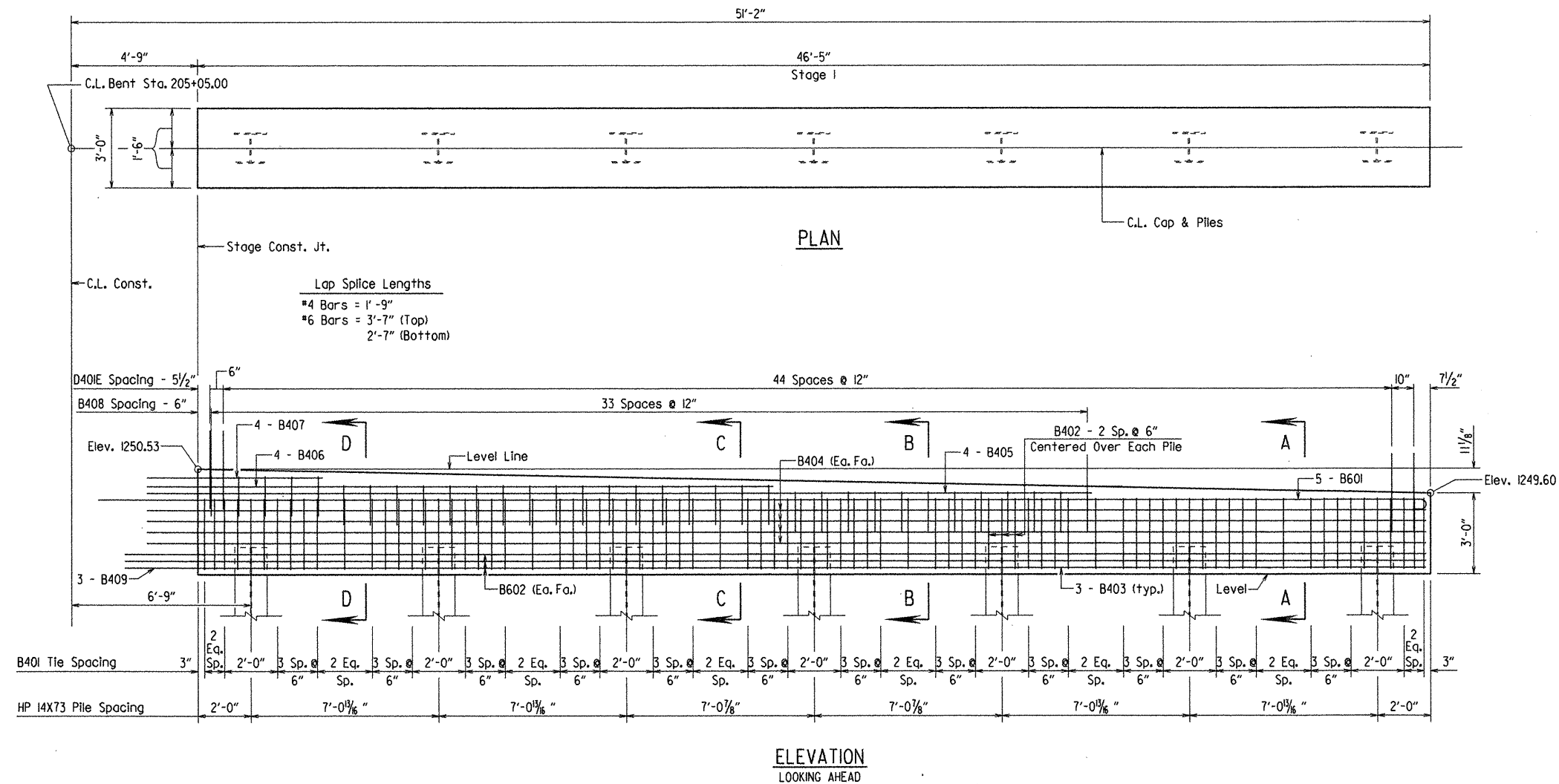
BAR LIST - STAGE I

| MARK | NO. REQ'D. | LENGTH | P.D. |
|--------|------------|--------|--------|
| B401 | 60 | 11'-0" | 2" |
| B402 | 21 | 7'-10" | 2" |
| B403 | 18 | 5'-11" | Str. |
| B404 | 8 | 48'-2" | Str. |
| B405 | 4 | 35'-7" | Str. |
| B406 | 4 | 23'-7" | Str. |
| B407 | 4 | 6'-7" | Str. |
| B408 | 34 | 5'-6" | 2" |
| B409 | 3 | 3'-2" | Str. |
| *D40IE | 94 | 3'-0" | Str. |
| B601 | 5 | 50'-8" | 4 1/2" |
| B602 | 6 | 49'-0" | Str. |

BENDING DIAGRAMS



*D40IE bars shall be epoxy coated and shall be measured and paid for as "Epoxy Coated Reinforcing Steel (Grade 60)."



GENERAL NOTES

All Concrete shall be Class "S" and shall be poured in the dry with a min. 28-day compression strength $f'_c = 3500$ psi. All exposed corners to be chamfered $\frac{3}{4}$ " unless otherwise noted.

All Reinforcing steel shall conform to AASHTO M31 or M53, Grade 60.

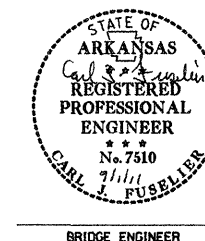
For details of pile encasement, see dwg. no. 14995A.

For additional information, See Layout.

DETAILS OF INTERMEDIATE BENT NO. 3 STAGE I

ROUTE 265 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: TMG DATE: 6/3/2011 FILENAME: B040518X1.B1.DGN
CHECKED BY: BEF DATE: 6/7/11 SCALE: $\frac{3}{4}$ " = 1'-0"
DESIGNED BY: TMG DATE: 5/11 OR AS NOTED
BRIDGE NO. 07229 DRAWING NO. 52405

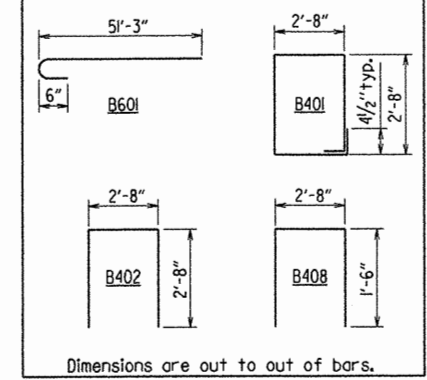


| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|---------------------|-------------|--------------------|-----------|--------------|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 040518 | 155 | 270 |
| | | | | 07229 | INT. BENT 3 | | 52406 | |

BAR LIST - STAGE 3

| MARK | NO. REQ'D. | LENGTH | P.D. |
|--------|------------|---------|--------|
| B401 | 72 | 11'-0" | 2" |
| B402 | 24 | 7'-10" | 2" |
| B403 | 21 | 5'-3" | Str. |
| B404 | 8 | 51'-3" | Str. |
| B405 | 4 | 43'-6" | Str. |
| B406 | 4 | 31'-6" | Str. |
| B407 | 4 | 14'-6" | Str. |
| B408 | 44 | 5'-6" | 2" |
| B409 | 3 | 3'-9" | Str. |
| *D401E | 104 | 3'-0" | Str. |
| B601 | 5 | 51'-11" | 4 1/2" |
| B602 | 6 | 51'-3" | Str. |

BENDING DIAGRAMS



*D401E bars shall be epoxy coated and shall be measured and paid for as "Epoxy Coated Reinforcing Steel (Grade 60)." Dimensions are out to out of bars.

GENERAL NOTES

All Concrete shall be Class "S" and shall be poured in the dry with a min. 28-day compression strength $f'_c = 3500$ psi. All exposed corners to be chamfered $\frac{3}{4}"$ unless otherwise noted.

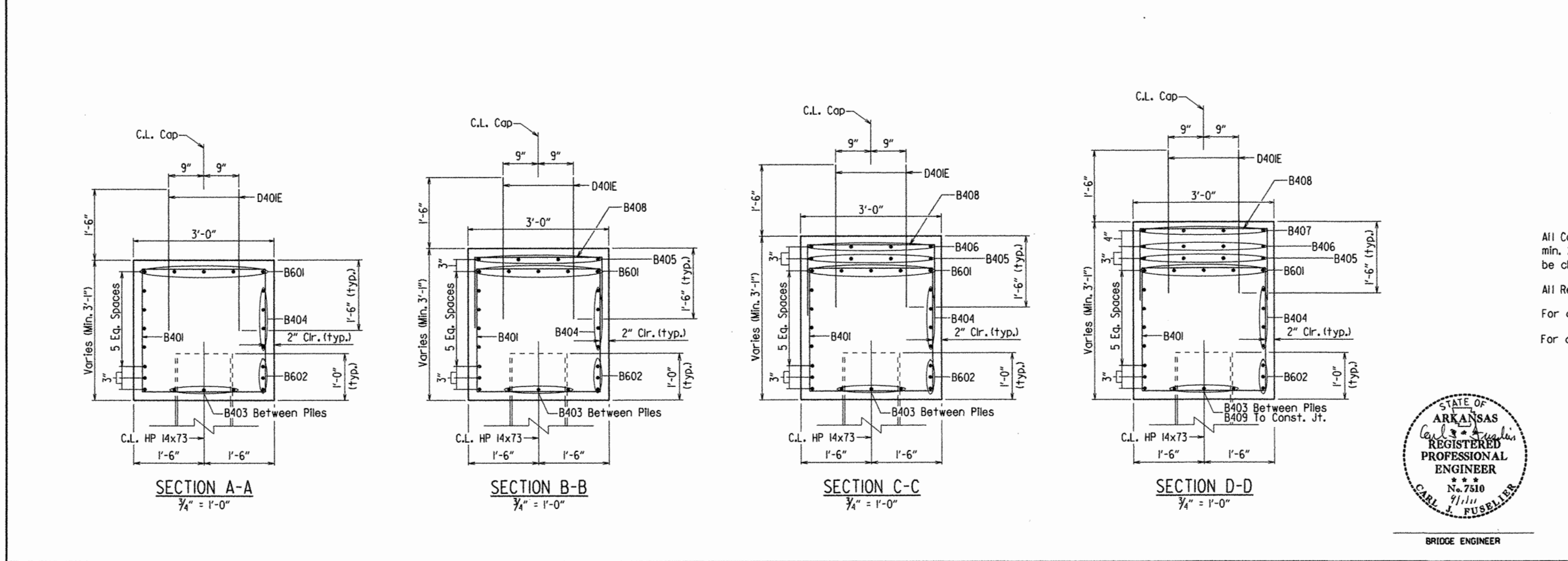
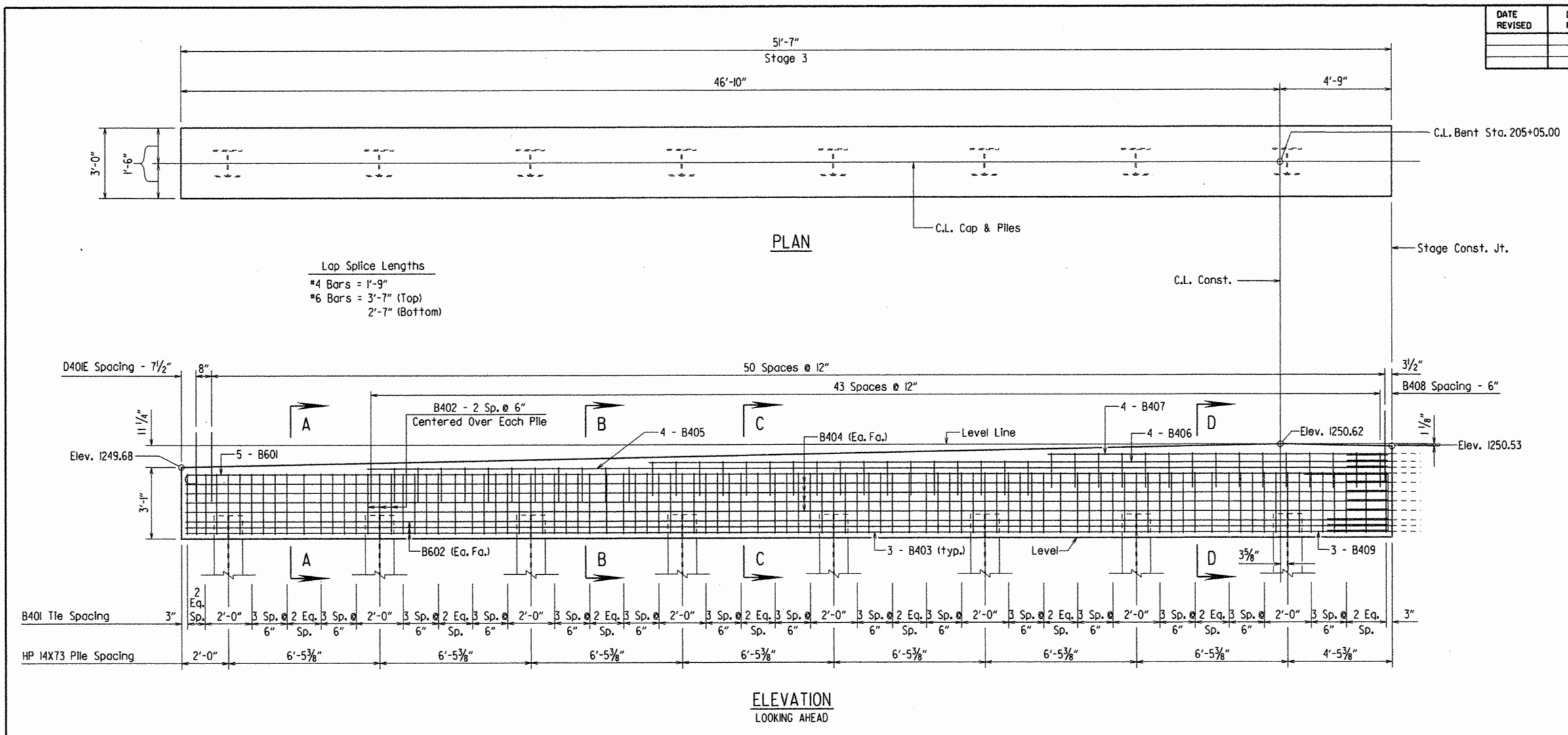
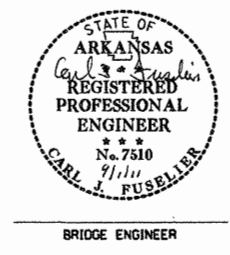
All Reinforcing steel shall conform to AASHTO M31 or M53, Grade 60.

For details of pile encasement, see dwg. no. 14995A.

For additional information, See Layout.

DETAILS OF INTERMEDIATE BENT NO. 3
STAGE 3
 ROUTE 265 SEC. 2
 ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.

DRAWN BY: TMC DATE: 6/3/2011 FILENAME: B040518X1.BLDGN
 CHECKED BY: BEF DATE: 6/17/11 SCALE: $\frac{3}{8}" = 1'-0"$
 DESIGNED BY: TML DATE: 5/11 OR AS NOTED
 BRIDGE NO. 07229 DRAWING NO. 52406

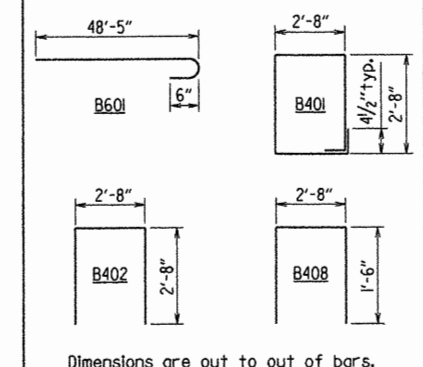


| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|---------------------|-------|--------------------|-----------|--------------|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 040518 | 156270 | |
| | | | | 07229 | | INT. BENT 4 | 52407 | |

BAR LIST - STAGE 1

| MARK | NO. REQ'D. | LENGTH | P.D. |
|--------|------------|--------|--------|
| B401 | 60 | 11'-0" | 2" |
| B402 | 21 | 7'-10" | 2" |
| B403 | 18 | 5'-8" | Str. |
| B404 | 8 | 46'-7" | Str. |
| B405 | 4 | 34'-7" | Str. |
| B406 | 4 | 21'-7" | Str. |
| B407 | 4 | 5'-7" | Str. |
| B408 | 33 | 5'-6" | 2" |
| B409 | 3 | 3'-2" | Str. |
| *D40IE | 90 | 3'-0" | Str. |
| B601 | 5 | 49'-1" | 4 1/2" |
| B602 | 6 | 47'-5" | Str. |

BENDING DIAGRAMS



*D40IE bars shall be epoxy coated and shall be measured and paid for as "Epoxy Coated Reinforcing Steel (Grade 60)."

GENERAL NOTES

All Concrete shall be Class "S" and shall be poured in the dry with a min. 28-day compression strength $f'_c = 3500$ psi. All exposed corners to be chamfered $\frac{3}{4}$ " unless otherwise noted.

All Reinforcing steel shall conform to AASHTO M31 or M53, Grade 60.

For details of pile encasement, see dwg. no. 14995A.

For additional information, See Layout.

DETAILS OF INTERMEDIATE BENT NO. 4 STAGE 1

ROUTE 265 SEC. 2

ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

DRAWN BY: TMG DATE: 6/3/2011 FILENAME: B040518X1.BLDGN

CHECKED BY: BEF DATE: 8/17/11 SCALE: $\frac{3}{4}$ " = 1'-0"

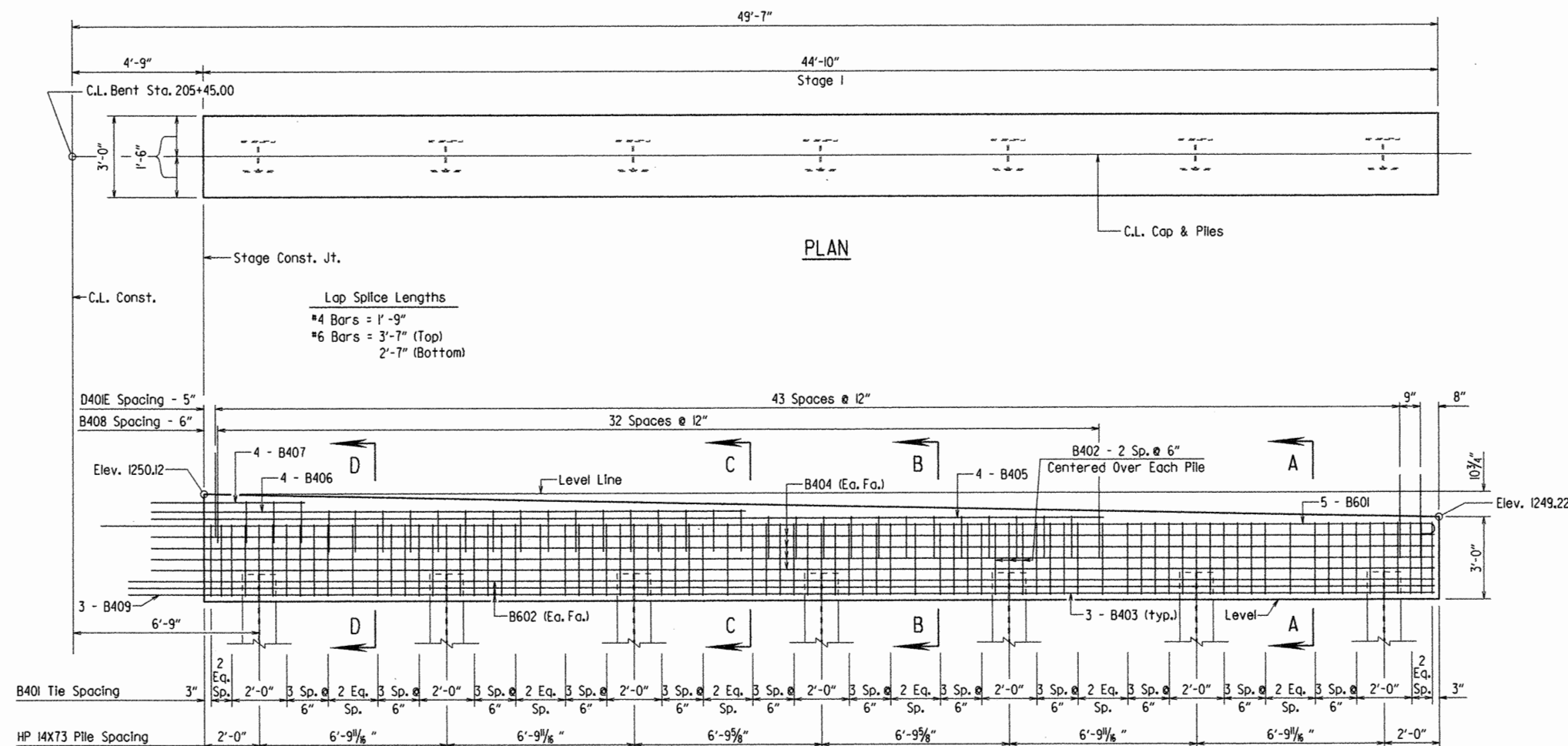
DESIGNED BY: TMG DATE: 5/11 OR AS NOTED

BRIDGE NO. 07229

DRAWING NO. 52407

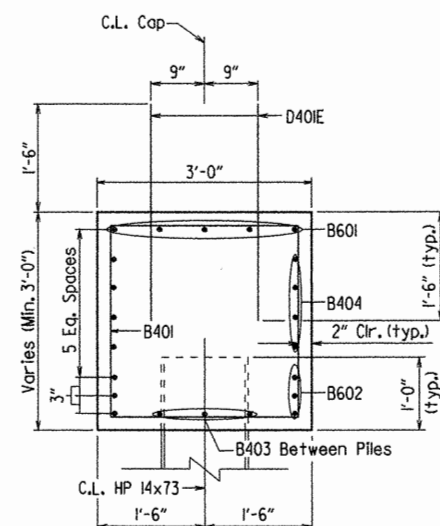


BRIDGE ENGINEER

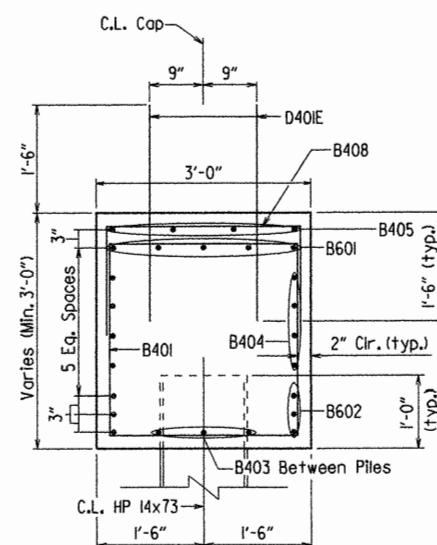


PLAN

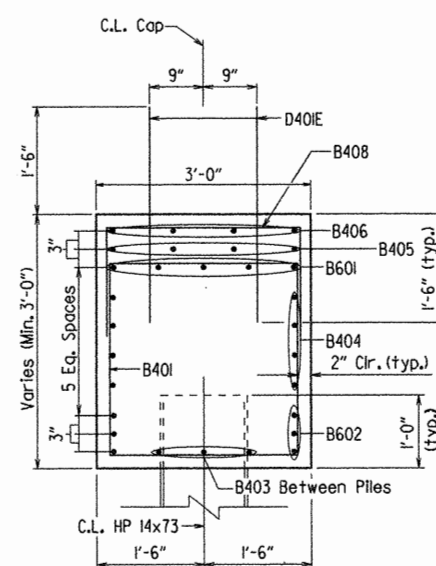
ELEVATION LOOKING AHEAD



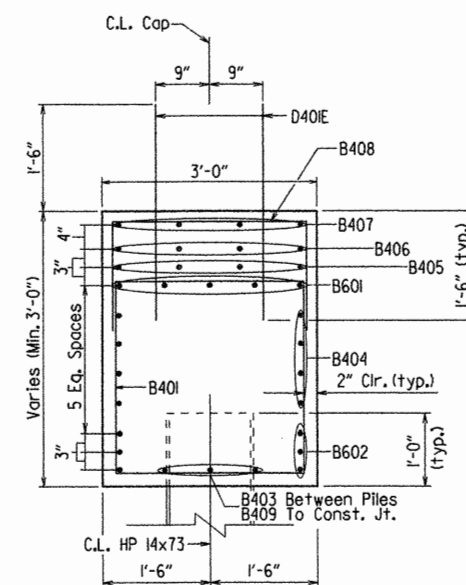
SECTION A-A
 $\frac{3}{4}$ " = 1'-0"



SECTION B-B
 $\frac{3}{4}$ " = 1'-0"

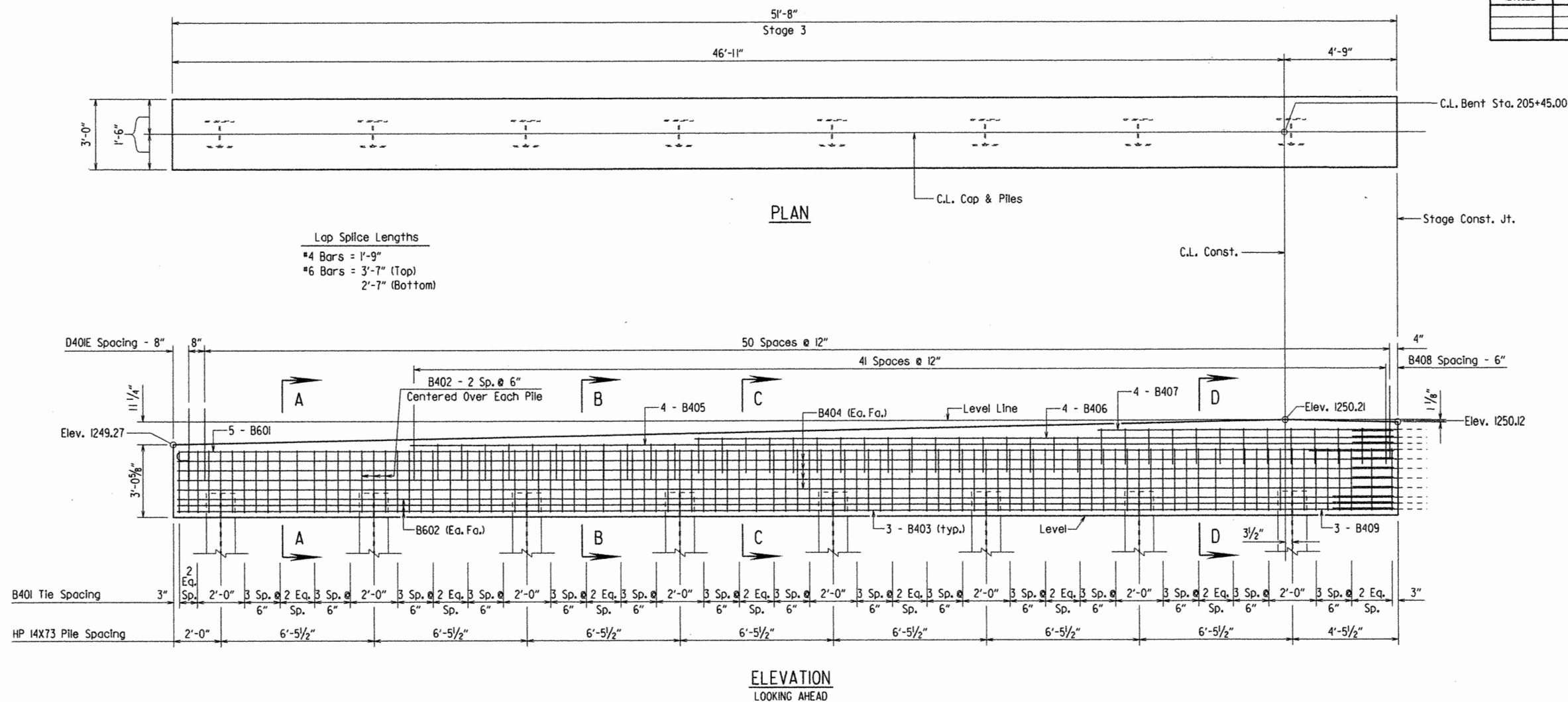


SECTION C-C
 $\frac{3}{4}$ " = 1'-0"



SECTION D-D
 $\frac{3}{4}$ " = 1'-0"

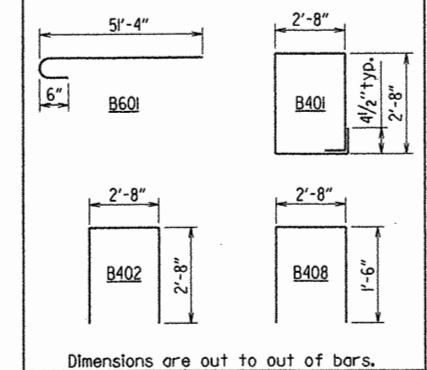
| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|---------------------|-------------|--------------------|-----------|--------------|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 040518 | 157 | 270 |
| | | | | 07229 | INT. BENT 4 | | 52408 | |



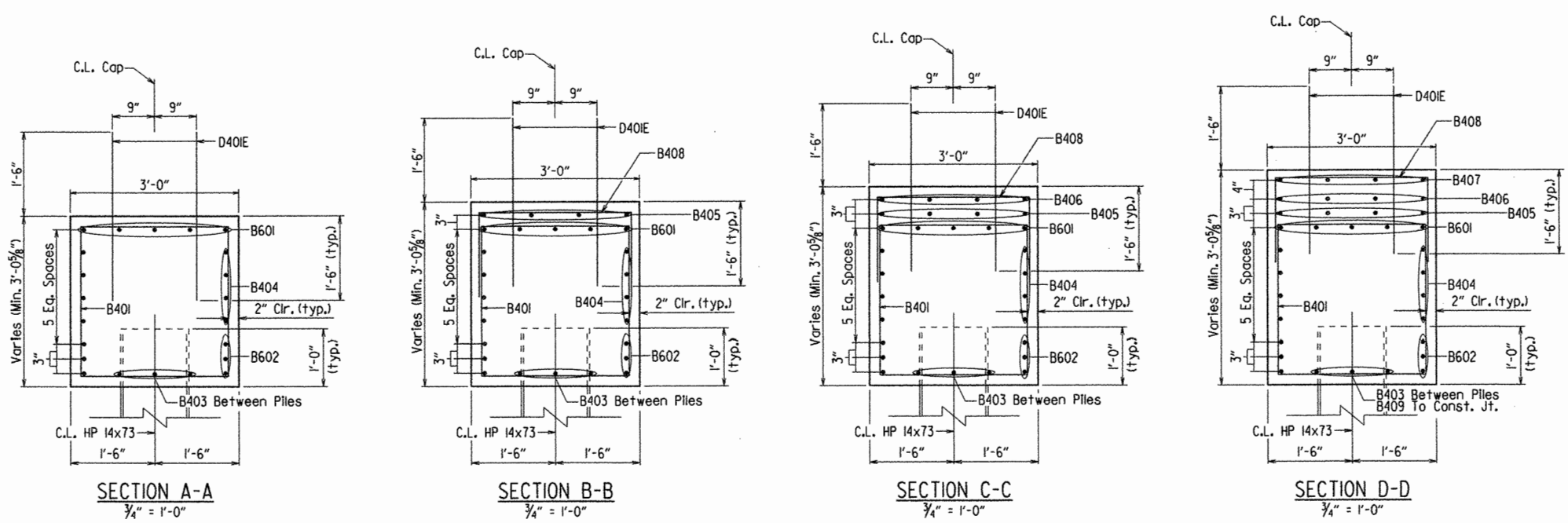
BAR LIST - STAGE 3

| MARK | NO. REQ'D. | LENGTH | P.D. |
|--------|------------|--------|--------|
| B401 | 72 | 11'-0" | 2" |
| B402 | 24 | 7'-10" | 2" |
| B403 | 21 | 5'-3" | Str. |
| B404 | 8 | 51'-4" | Str. |
| B405 | 4 | 41'-6" | Str. |
| B406 | 4 | 29'-6" | Str. |
| B407 | 4 | 12'-6" | Str. |
| B408 | 42 | 5'-6" | 2" |
| B409 | 3 | 3'-9" | Str. |
| *D401E | 104 | 3'-0" | Str. |
| B601 | 5 | 52'-0" | 4 1/2" |
| B602 | 6 | 51'-4" | Str. |

BENDING DIAGRAMS



*D401E bars shall be epoxy coated and shall be measured and paid for as "Epoxy Coated Reinforcing Steel (Grade 60)."



GENERAL NOTES

All Concrete shall be Class "S" and shall be poured in the dry with a min. 28-day compression strength $f'_c = 3500$ psi. All exposed corners to be chamfered $\frac{3}{4}$ " unless otherwise noted.

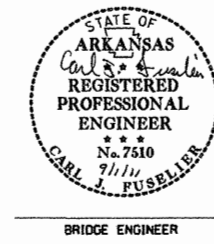
All Reinforcing steel shall conform to AASHTO M31 or M53, Grade 60.

For details of pile encasement, see dwg. no. 14995A.

For additional information, See Layout.

DETAILS OF INTERMEDIATE BENT NO. 4
STAGE 3
ROUTE 265 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: TMG DATE: 6/3/2011 FILENAME: B040518X1.BLDGN
CHECKED BY: BEF DATE: 8/17/11 SCALE: 3/4" = 1'-0"
DESIGNED BY: TMG DATE: 5/11 OR AS NOTED
BRIDGE NO. 07229 DRAWING NO. 52408



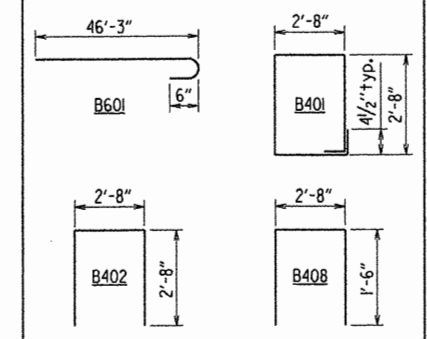
BRIDGE ENGINEER

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|---------------------|-------------|--------------------|-----------|--------------|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 040518 | 158 | 270 |
| | | | | 07229 | INT. BENT 5 | | 52409 | |

BAR LIST - STAGE I

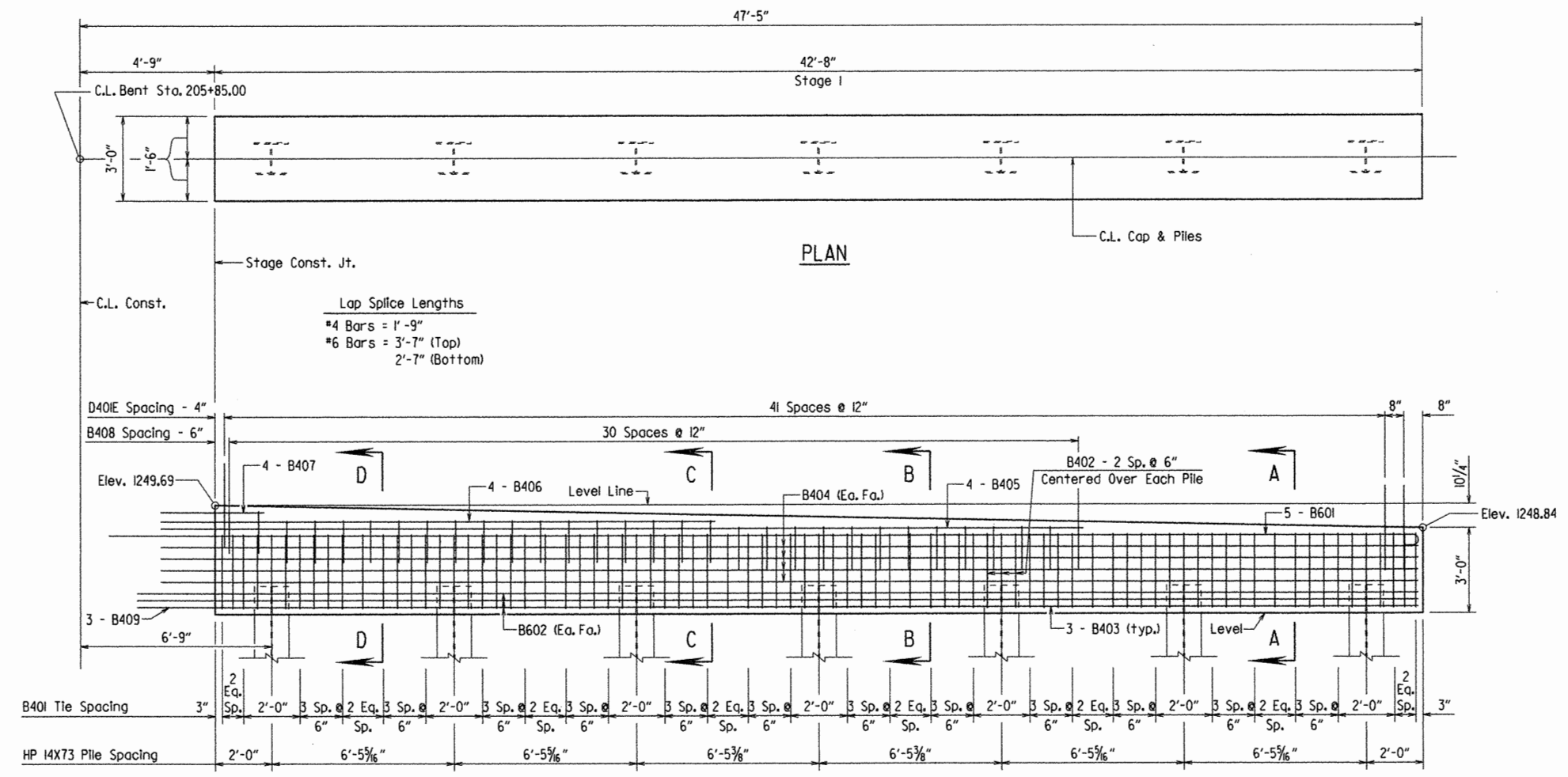
| MARK | NO. REQ'D. | LENGTH | P.D. |
|--------|------------|---------|--------|
| B401 | 60 | 11'-0" | 2" |
| B402 | 21 | 7'-10" | 2" |
| B403 | 18 | 5'-3" | Str. |
| B404 | 8 | 44'-5" | Str. |
| B405 | 4 | 32'-7" | Str. |
| B406 | 4 | 19'-7" | Str. |
| B407 | 4 | 3'-7" | Str. |
| B408 | 31 | 5'-6" | 2" |
| B409 | 3 | 3'-2" | Str. |
| *D40IE | 86 | 3'-0" | Str. |
| B601 | 5 | 46'-11" | 4 1/2" |
| B602 | 6 | 45'-3" | Str. |

BENDING DIAGRAMS

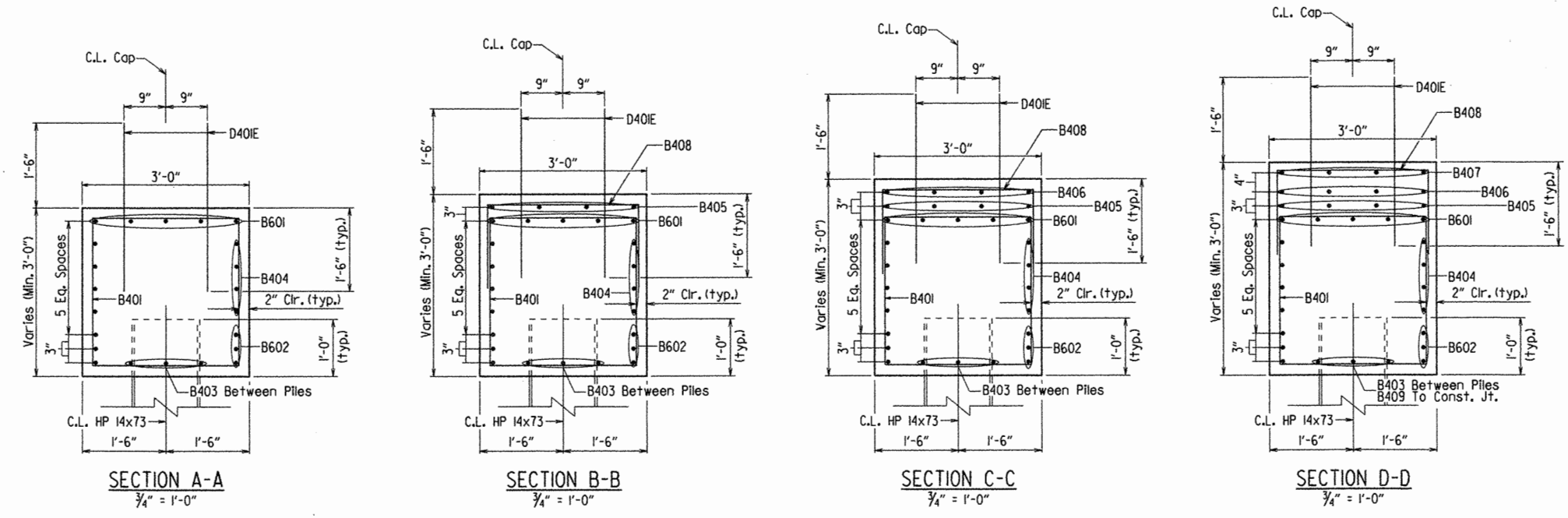


Dimensions are out to out of bars.

*D40IE bars shall be epoxy coated and shall be measured and paid for as "Epoxy Coated Reinforcing Steel (Grade 60)."



ELEVATION
LOOKING AHEAD



GENERAL NOTES

All Concrete shall be Class "S" and shall be poured in the dry with a min. 28-day compression strength $f'_c = 3500$ psi. All exposed corners to be chamfered $3/4"$ unless otherwise noted.

All Reinforcing steel shall conform to AASHTO M31 or M53, Grade 60.

For details of pile encasement, see dwg. no. 14995A.

For additional information, See Layout.

DETAILS OF INTERMEDIATE BENT NO. 5 STAGE I

ROUTE 265 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION

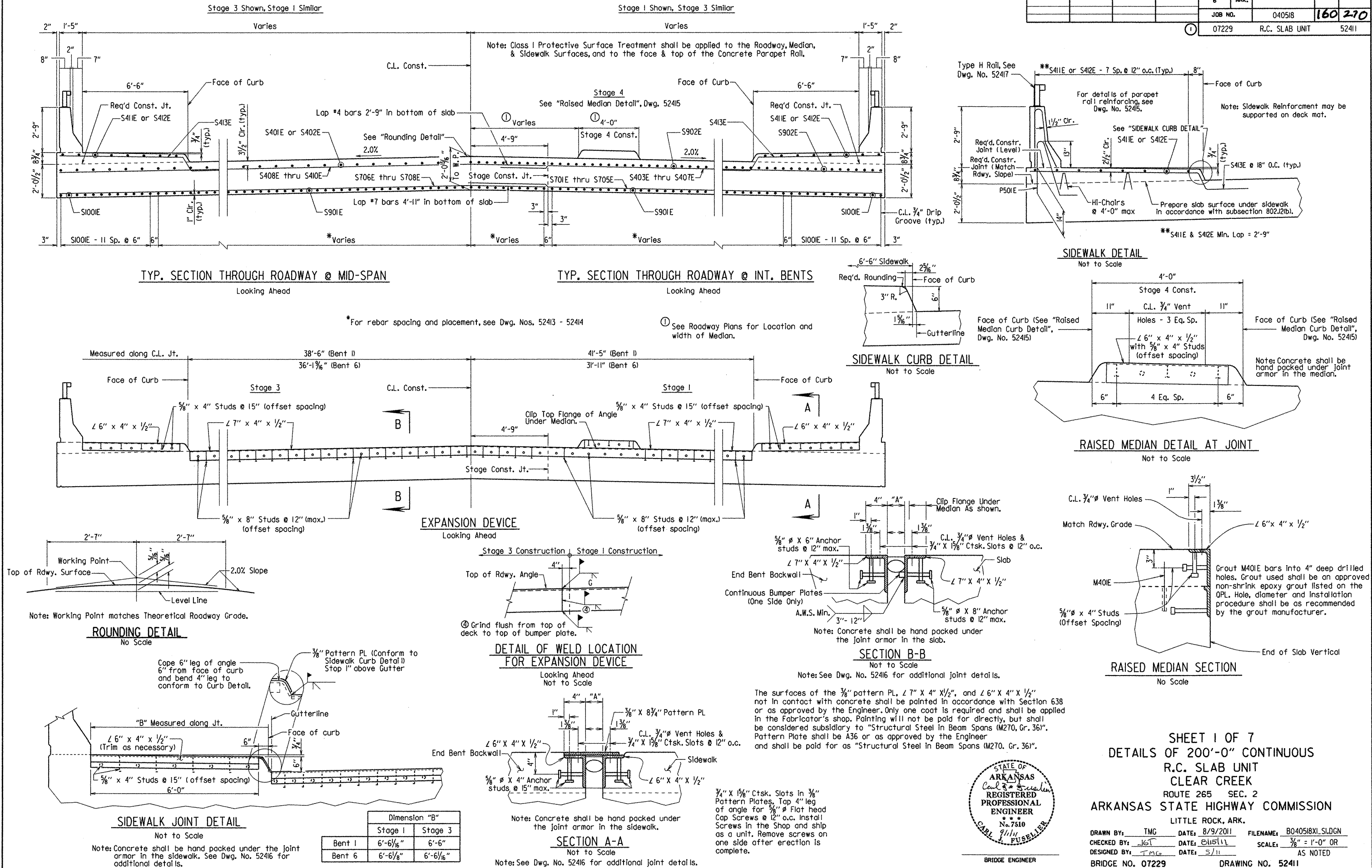
LITTLE ROCK, ARK.

DRAWN BY: TMC DATE: 6/3/2011 FILENAME: B040518X1.BLDGN
CHECKED BY: BEF DATE: 8/17/11 SCALE: 3/8" = 1'-0"
DESIGNED BY: TMC DATE: 5/11 OR AS NOTED
BRIDGE NO. 07229 DRAWING NO. 52409



BRIDGE ENGINEER

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|---------------------|-------|--------------------|-----------|--------------|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 040518 | 160 | 270 |
| | | | | 07229 | | R.C. SLAB UNIT | | 52411 |



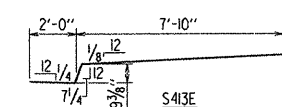
| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|---------------------|----------------|--------------------|-----------|--------------|
| 3-25-2013 | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 040518 | 161 | 270 |
| | | | | 07229 | R.C. SLAB UNIT | | 52412 | |

BAR LIST ②

| MARK | NUMBER REQUIRED | | LENGTH | P.D. |
|--------|-----------------|---------|-------------------|------|
| | STAGE 1 | STAGE 3 | | |
| S401E | 93 | 103 | 29'-9" | Str. |
| S402E | 140 | 156 | 20'-0" | Str. |
| S403E | 27 | - | 50'-6" to 52'-1" | Str. |
| S404E | 27 | - | 48'-9" to 50'-5" | Str. |
| S405E | 27 | - | 47'-1" to 48'-9" | Str. |
| S406E | 27 | - | 44'-11" to 47'-0" | Str. |
| S407E | 27 | - | 42'-8" to 44'-11" | Str. |
| S408E | - | 81 | 51'-0" | Str. |
| S409E | - | 27 | 49'-11" to 51'-1" | Str. |
| S410E | - | 27 | 48'-8" to 49'-10" | Str. |
| S411E | 16 | 16 | 41'-3" | Str. |
| S412E | 24 | 24 | 42'-9" | Str. |
| S413E | 135 | 135 | 10'-8" | 3" |
| S701E | 27 | - | 52'-8" to 54'-3" | Str. |
| S702E | 27 | - | 50'-11" to 52'-7" | Str. |
| S703E | 27 | - | 49'-3" to 50'-11" | Str. |
| S704E | 27 | - | 47'-1" to 49'-3" | Str. |
| S705E | 27 | - | 44'-10" to 47'-1" | Str. |
| S706E | - | 81 | 51'-0" | Str. |
| S707E | - | 27 | 49'-11" to 51'-1" | Str. |
| S708E | - | 27 | 48'-8" to 49'-10" | Str. |
| S901E | 402 | 453 | 39'-8" | Str. |
| S902E | 367 | 411 | 25'-6" | Str. |
| S1001E | 60 | 60 | 39'-8" | Str. |

BENDING DIAGRAMS (Dimensions are out to out of bars.)

Notes: Bar designations with "E" suffix are Epoxy Coated

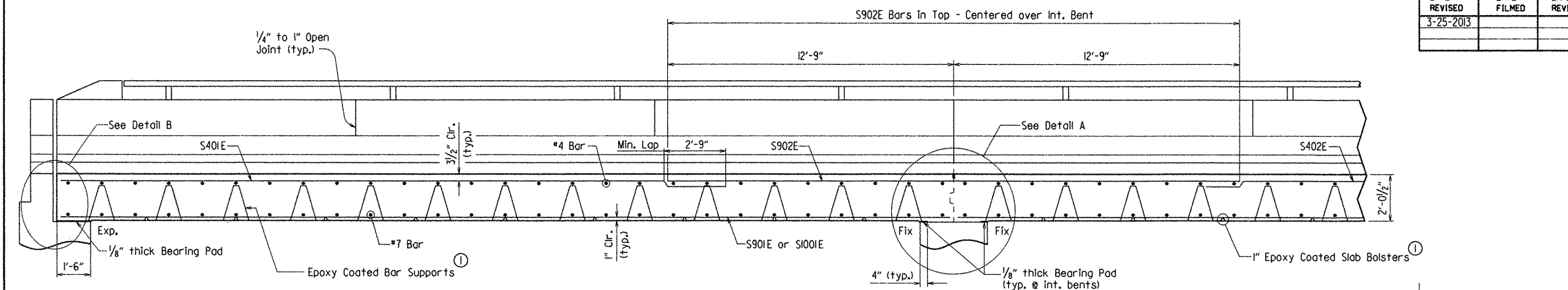


② See Dwg. No. 52415 for Parapet and Median Barlist.

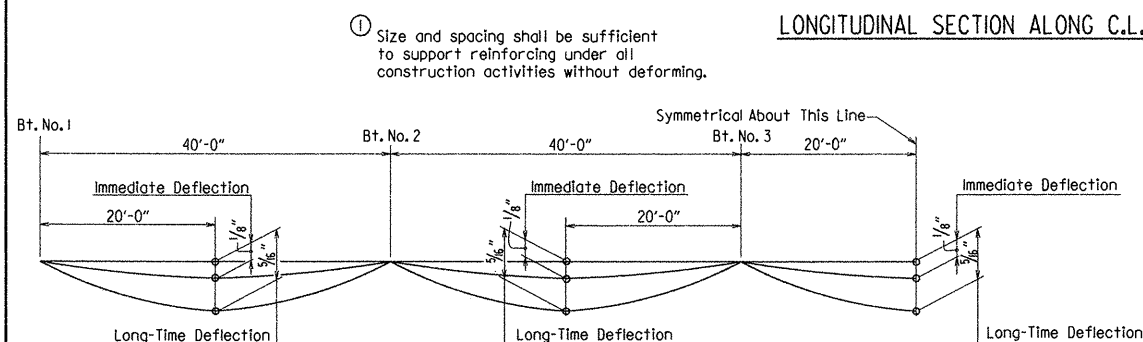
Revised pouring sequence note
TMG - 3/25/2013

SHEET 2 OF 7
DETAILS OF 200'-0" CONTINUOUS
R.C. SLAB UNIT
CLEAR CREEK
ROUTE 265 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: TMG DATE: 8/9/2011 FILENAME: B040518X.SLDGN
CHECKED BY: JGT DATE: 8/16/11 SCALE: 3/8" = 1'-0" OR
DESIGNED BY: TMG DATE: 4/11 AS NOTED
BRIDGE NO. 07229 DRAWING NO. 52412

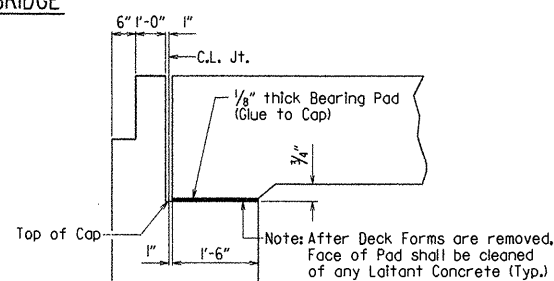


LONGITUDINAL SECTION ALONG C.L. BRIDGE



DEAD LOAD DEFLECTION DIAGRAM

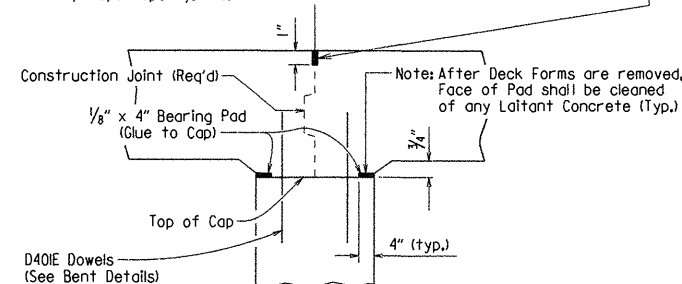
No Scale
Deflections shown are from a chord from C.L. bent to C.L. bent. Vertical alignment corrections are not included.
Tolerance = 1/4" for camber and vertical alignment.



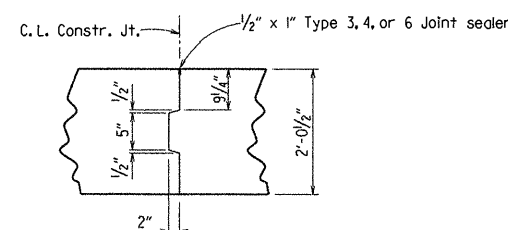
DETAIL B Not to Scale

Notes: For each stage of construction, the Contractor shall pour the slab unit in sections according to the pouring sequence shown. No part of the falsework for the entire section shall be removed until all of the concrete in that section of the bridge slab has been placed and cured. Falsework for span 3 shall remain in place until after section 2 is placed and cured. All pours shall begin at one end of the bridge and proceed in sequence to the other end of the bridge. 72 hours shall elapse between the end of a pour and the start of the next pour for each stage of construction. Concrete in the bridge superstructure shall be placed and consolidated for the entire pour before any concrete has taken its initial set. No railing or sidewalk pours shall be made before the entire bridge slab for each stage has been poured. 72 hours shall elapse between the end of deck pour 5 and the start of a sidewalk pour. 72 hours shall elapse between the end of a sidewalk pour and the start of a parapet railing pour. The Contractor must obtain approval from the Engineer for any deviation from the pouring sequence shown and for any railing and sidewalk pours made before the entire bridge slab for each stage has been poured.

Use Type 3, 4, or 6 Joint Sealer. See subsections 501.02 (h) and 501.05 (j). Backer Rod filler will not be required. Joint sealer shall be measured and paid for as Class S(AE) Concrete-Bridge. Slab joints shall extend to the outside edge of the deck slab, and across the top of sidewalk and raised median area. Slab joints shall be installed before the sidewalk and parapet railings are poured. If slab joints are to be sawed, they shall be sawed as soon as the concrete has sufficiently set to allow sawing of the joint without damage to the slab. Slab joints shall be placed at all pouring sequence construction joints and required slab joint locations. No joint sealer shall be placed on the deck slab under the sidewalk or median areas. The joint sealer shall extend across the deck slab and across the top of the sidewalk and median. Slab joints shall align with parapet open joints.



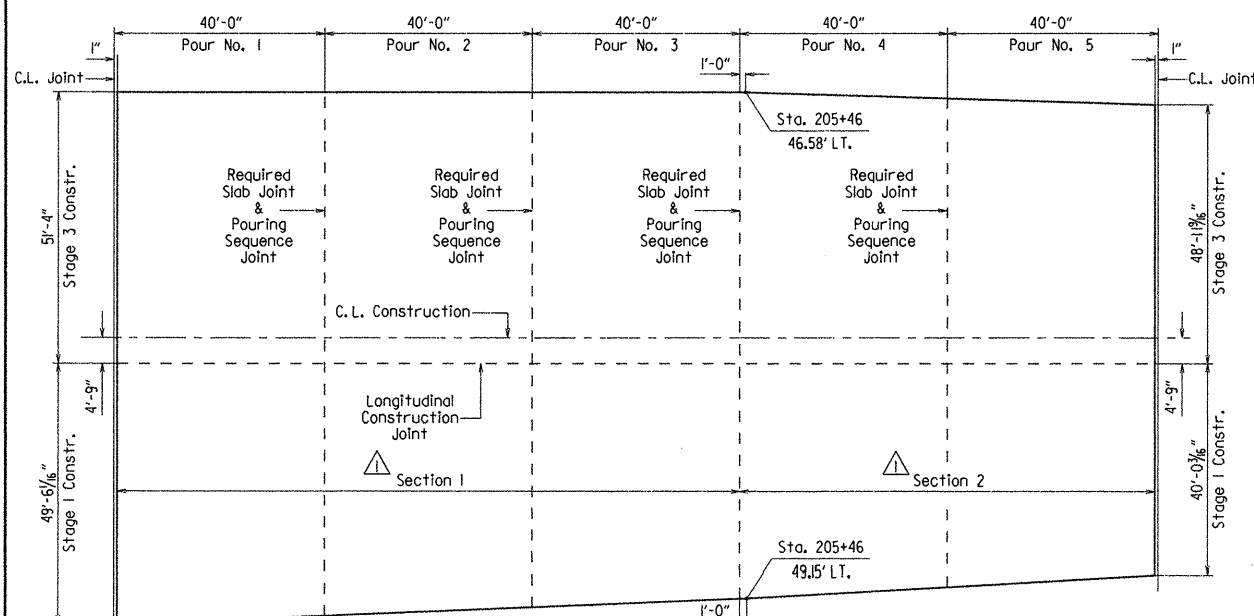
DETAIL A Not to Scale



DECK SLAB CONSTR. JT. DETAIL Not to Scale

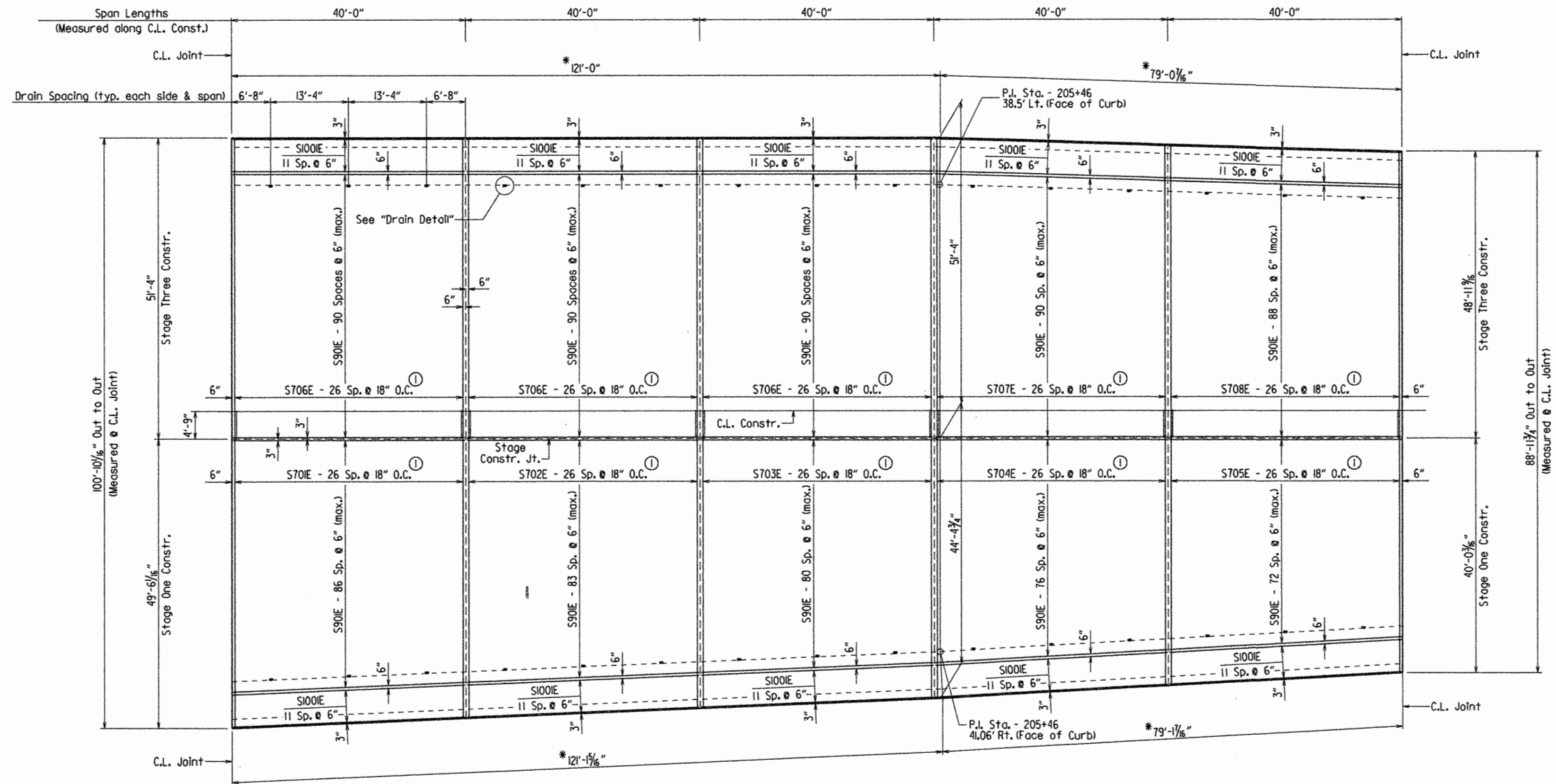
Notes: For each stage of construction, the Contractor shall pour the slab unit in sections according to the pouring sequence shown. No part of the falsework for the entire unit shall be removed until all of the concrete in the complete bridge deck slab has been placed and cured. All pours shall begin at one end of the bridge and proceed in sequence to the other end of the bridge. 72 hours shall elapse between the end of a pour and the start of the next pour for each stage of construction. Concrete in the bridge superstructure shall be placed and consolidated for the entire pour before any concrete has taken its initial set. No railing or sidewalk pours shall be made before the entire bridge slab for each stage has been poured. 72 hours shall elapse between the end of deck pour 5 and the start of a sidewalk pour. 72 hours shall elapse between the end of a sidewalk pour and the start of a parapet railing pour. The Contractor must obtain approval from the Engineer for any deviation from the pouring sequence shown and for any railing and sidewalk pours made before the entire bridge slab for each stage has been poured.

DECK POURING SEQUENCE Not to Scale



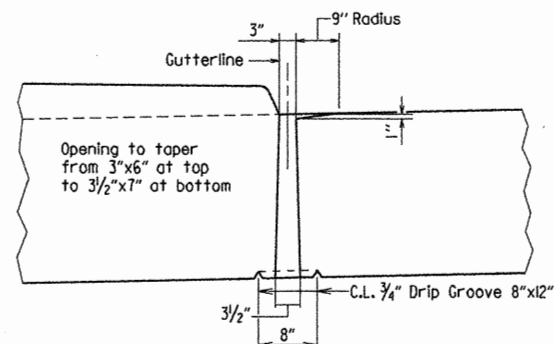
| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|---------------------|-------|--------------------|-----------|--------------|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 040518 | 162 | 270 |
| | | | | 07229 | | R.C. SLAB UNITS | | 52413 |

① Lap #7 Bars 4'-11"



REINFORCING PLAN - BOTTOM OF SLAB

* Measured along outside slab edge



DRAIN DETAIL

Note: Spread bars as required to clear drains.

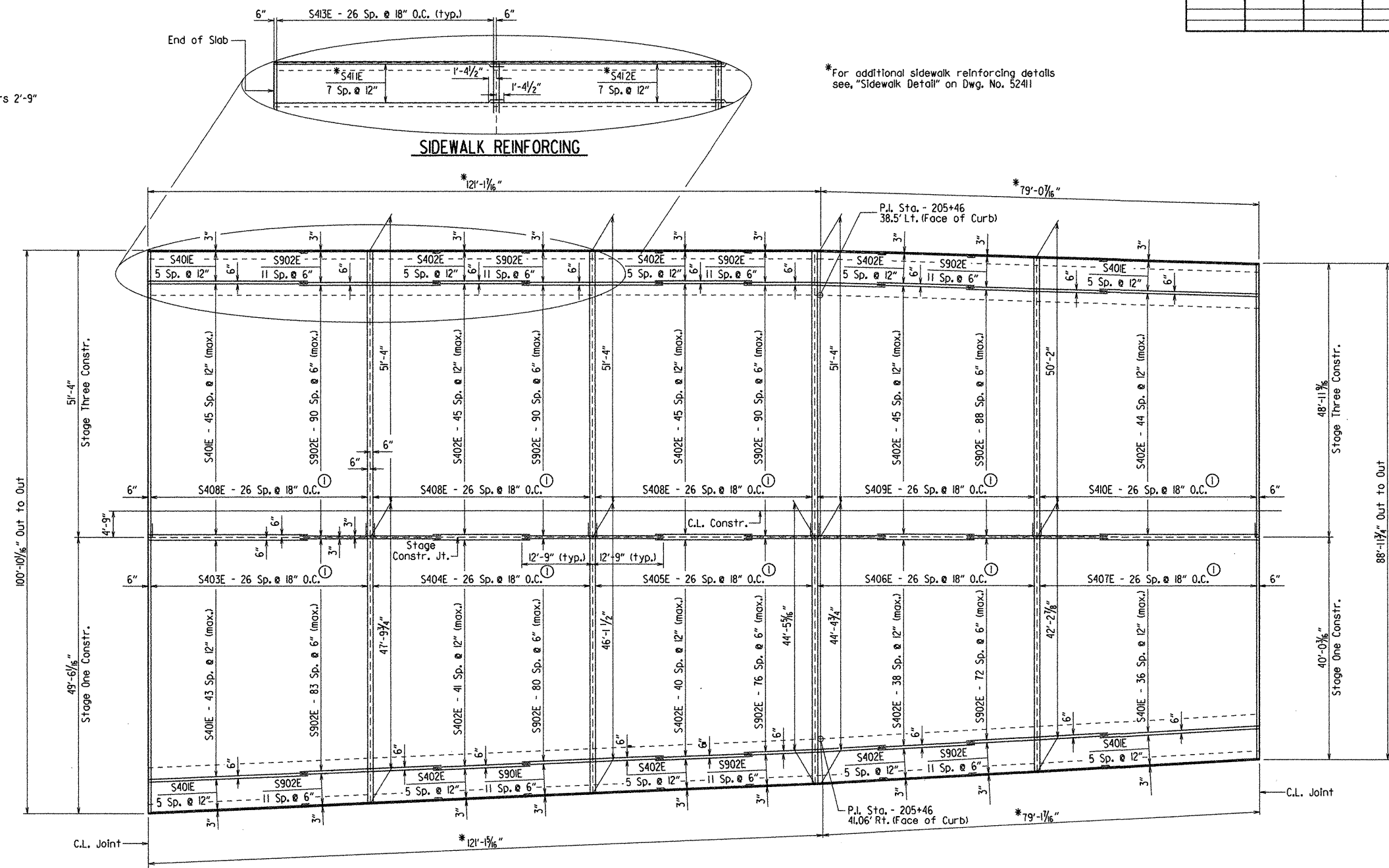


BRIDGE ENGINEER

SHEET 3 OF 7
 DETAILS OF 200'-0" CONTINUOUS
 R.C. SLAB UNIT
 CLEAR CREEK
 ROUTE 265 SEC. 2
 ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.
 DRAWN BY: TMG DATE: 8/9/2011 FILENAME: B040518X1.SLDGN
 CHECKED BY: JGT DATE: 8/15/11 SCALE: 3/8" = 1'-0"
 DESIGNED BY: TMG DATE: 4/11
 BRIDGE NO. 07229 DRAWING NO. 52413

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|-----------------|----------------|-----------------|----------------|------------------------|-----------------|--------------------|--------------|-----------------|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 040518 | 163 | 270 |
| | | | | 07229 | R.C. SLAB UNITS | | 52414 | |

① Lap #4 Bars 2'-9"

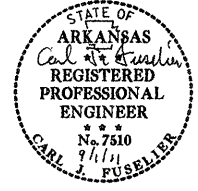


*For additional sidewalk reinforcing details see, "Sidewalk Detail" on Dwg. No. 52411

REINFORCING PLAN - TOP OF SLAB

Note: For placement of deck drains, see, Dwg. No. 52413

* Measured along outside slab edge



BRIDGE ENGINEER

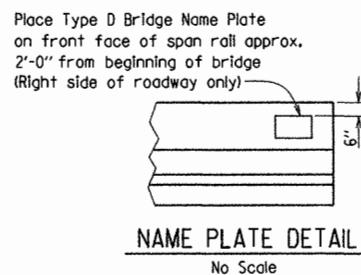
SHEET 4 OF 7
DETAILS OF 200'-0" CONTINUOUS
R. C. SLAB UNIT
CLEAR CREEK
ROUTE 265 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
DRAWN BY: TMG DATE: 8/9/2011 FILENAME: B040518X1.SLDGN
CHECKED BY: JGT DATE: 8/15/11 SCALE: 1/8" = 1'-0"
DESIGNED BY: TMG DATE: 4/11
BRIDGE NO. 07229 DRAWING NO. 52414

BAR LIST

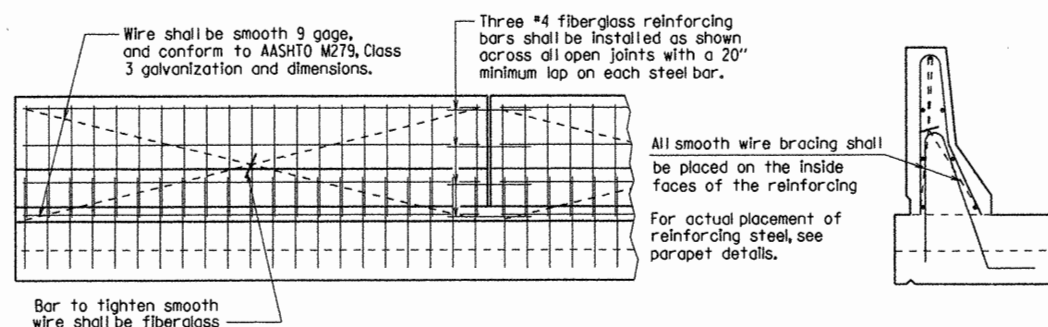
Technical drawings of four reinforcement bar cross-sections:

- P404E:** U-shaped bar with a 4" top flange, 2'-6" vertical leg, and 3" P.D.
- P405E:** Angled bar with a 1'-0" vertical leg, 2'-0" angled leg, and 10" horizontal leg.
- P501E:** Z-shaped bar with a 2'-3" vertical leg, 3 3/4" P.D., 1'-4" horizontal leg, and 5/8" angled leg.
- M401E:** T-shaped bar with a 2'-3" horizontal flange and 9/16" vertical leg.

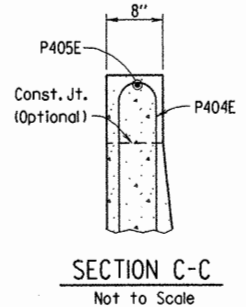
Note: Bar designations with "E" suffix are epoxy coated.



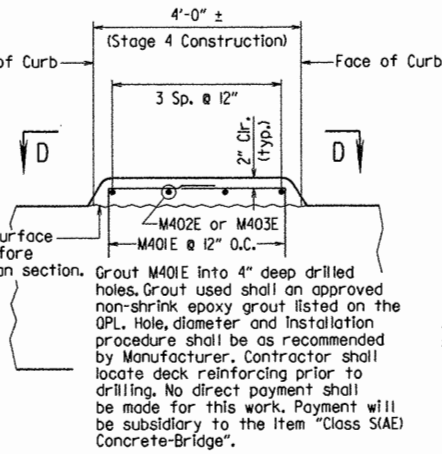
NOTE: Do not designations with L, S, M, A, or a space, except:



DETAILS OF OPTIONAL SLIPFORMING OF CONCRETE PARAPET RAIL

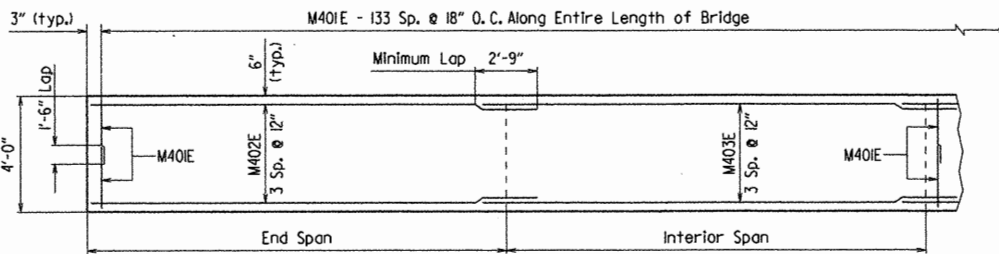


SECTION C-C
Not to Scale



RAISED MEDIAN DETAIL

Not to Scale



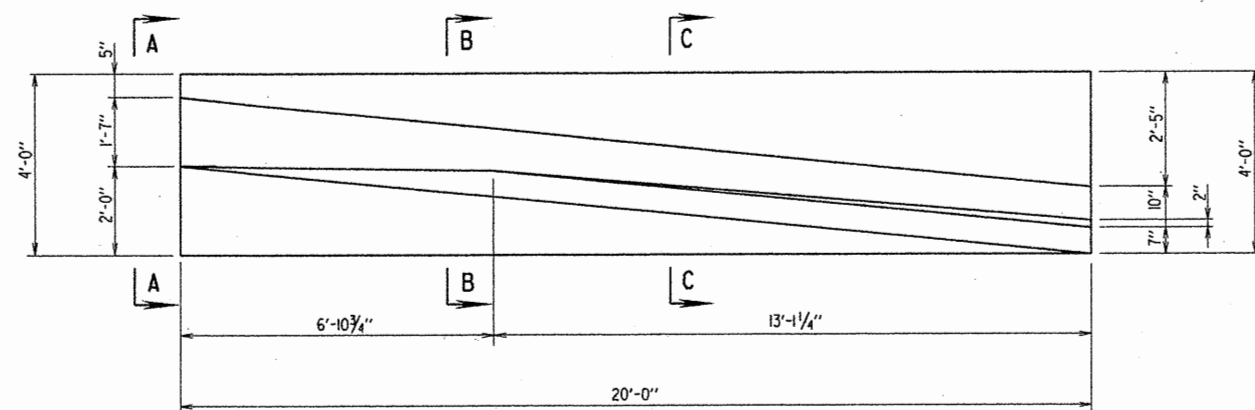
VIEW D-D
Not to Scale



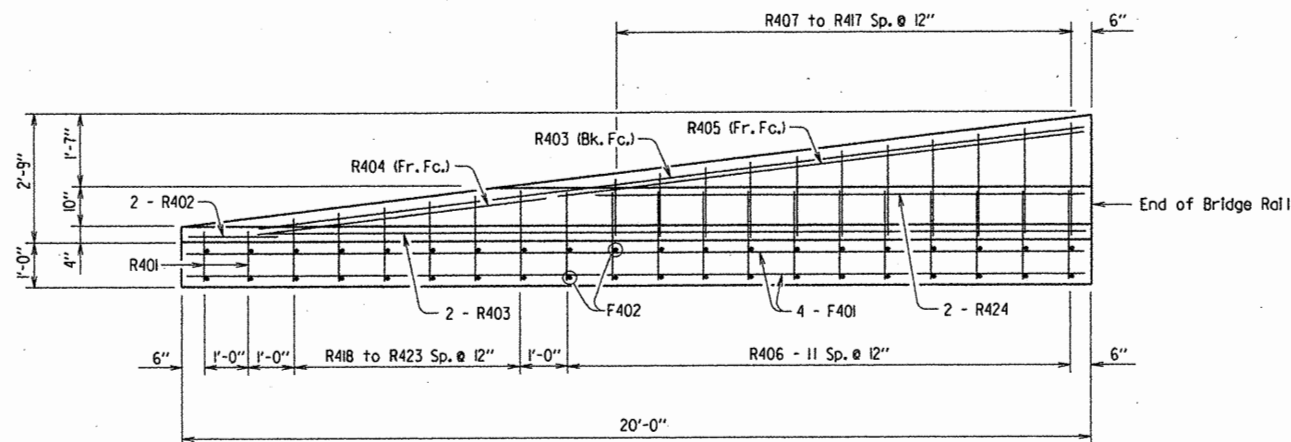
SHEET 5 OF 7
DETAILS OF 200'-0" CONTINUOUS
R.C. SLAB UNIT
CLEAR CREEK
ROUTE 265 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: TMG DATE: 8/9/11 FILENAME: B040518X1.SLDGN
CHECKED BY: JGT DATE: 8/15/11 SCALE: AS NOTED
DESIGNED BY: Tmg DATE: 4/11
BRIDGE NO. 07229 DRAWING NO. 52415

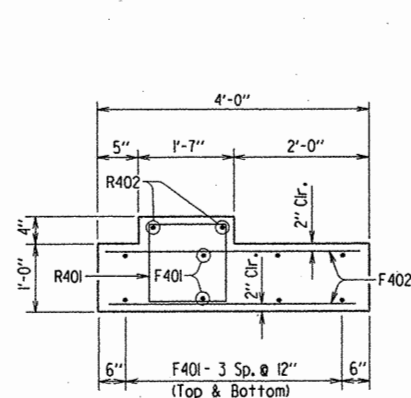
| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|---------------------|----------------------|--------------------|-----------|--------------|
| | | | | 6 | ARK. | | | |
| | | | | JOB NO. | | 040518 | 167 | 270 |
| | | | | 07229 | TRANSITIONAL RAILING | | 52418 | |



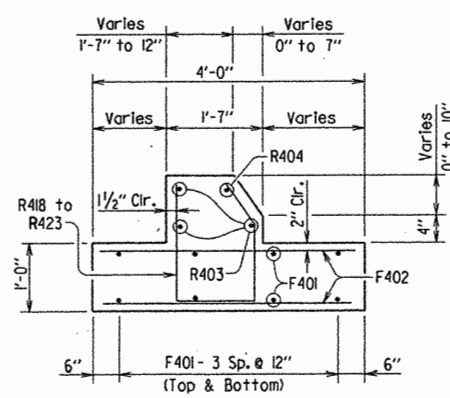
PLAN - TRANSITIONAL APPROACH RAILING



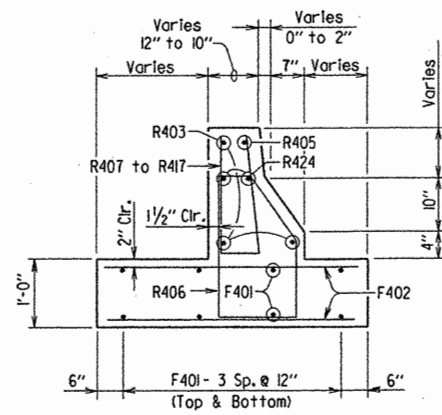
ELEVATION - TRANSITIONAL APPROACH RAILING



VIEW A-A
Scale: 3/4" = 1'-0"



SECTION B-B
Scale: 3/4" = 1'-0"



SECTION C-C
Scale: 3/4" = 1'-0"

FOR INFORMATION ONLY
SCHEDULE OF QUANTITIES
PER RAIL UNIT

| CLASS "S" | REINF. STEEL (GRADE 60) | BOILED LINSEED OIL |
|---------------|-------------------------|--------------------|
| 4.39 Cu. Yds. | 388 Lbs. | 0.2 Gal. |

BAR LIST PER RAILING

| MARK | NO. REQ'D | LENGTH | 'A' | 'B' | P.D. | BENDING DIAGRAMS |
|--------------|-----------|-----------------|---------------------|--------------------|------|------------------------------------|
| F401 | 8 | 19'-8" | | | Str. | Dimensions are out to out of bars. |
| F402 | 40 | 3'-8" | | | Str. | |
| R401 | 2 | 5'-2" | 1'-4" | 1'-1" | 2" | |
| R402 | 2 | 2'-0" | | | Str. | |
| R403 | 3 | 17'-9" | | | Str. | |
| R404 | 1 | 5'-0" | | | Str. | |
| R405 | 1 | 12'-9" | | | Str. | |
| R406 | 12 | 6'-7" | | | 2" | |
| R407 to R417 | 1 Each | 3'-2" to 5'-7" | 1'-3" to 2'-5 1/2" | 1'-3" to 2'-5 1/2" | 2" | |
| R418 to R423 | | 3'-11" to 5'-3" | 1'-4" to 1'-11 1/4" | 1'-1 1/2" | 2" | |
| R424 | 2 | 10'-9" | | | Str. | |

Notes:

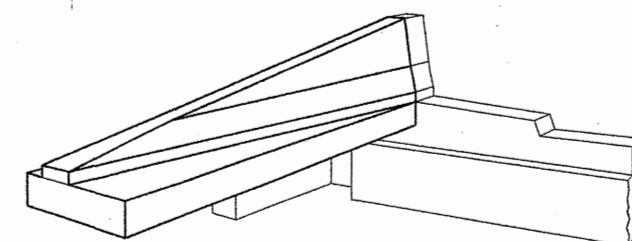
Adjacent Railing is opposite hand to Railing shown.

All Concrete shall be Class "S" and be poured in the dry. All exposed corners to be chamfered 3/4" unless otherwise noted.

All Reinforcing Steel shall conform to AASHTO M31 or M53, Grade 60.

Class 1 Protective Surface Treatment shall be applied to the roadway surface, front face and top of the Transitional Approach Railing.

Transitional Approach Railing shall be paid for at the contract unit price bid per each for "Transitional Approach Railing." See SP Job No. 040518 "Transitional Approach Railing."



PICTORIAL OF TRANSITIONAL APPROACH RAILING
No Scale



BRIDGE ENGINEER

DETAILS OF
TRANSITIONAL APPROACH RAILING
CLEAR CREEK
WASHINGTON COUNTY
ROUTE 265 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: TMG DATE: 8/9/2011 FILENAME: B040518X1.TR.DGN
CHECKED BY: JCT DATE: 8/14/11 SCALE: 1/2" = 1'-0" OR
DESIGNED BY: STD DATE: AS NOTED
BRIDGE NO. 07299 DRAWING NO. 52418