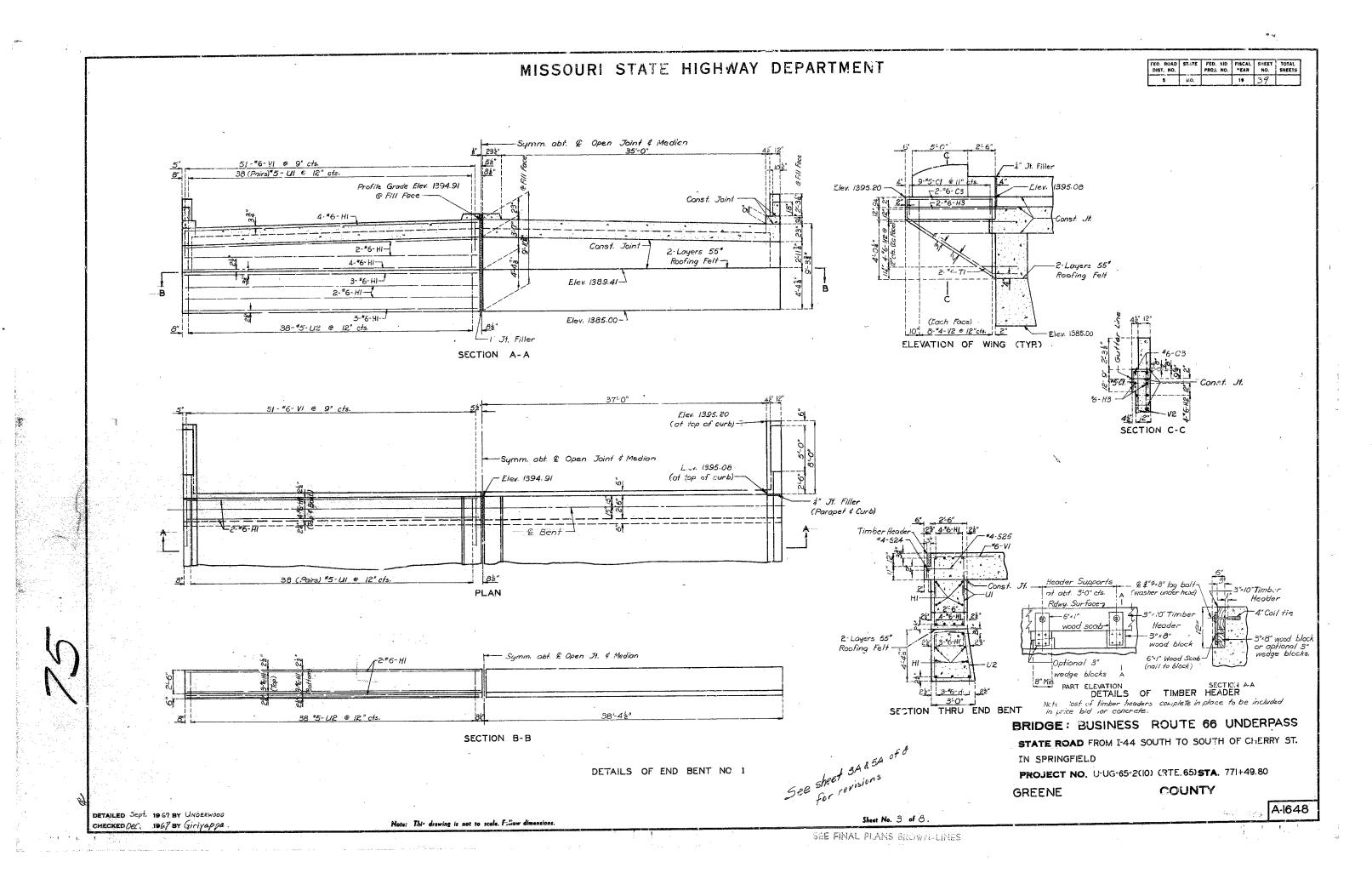
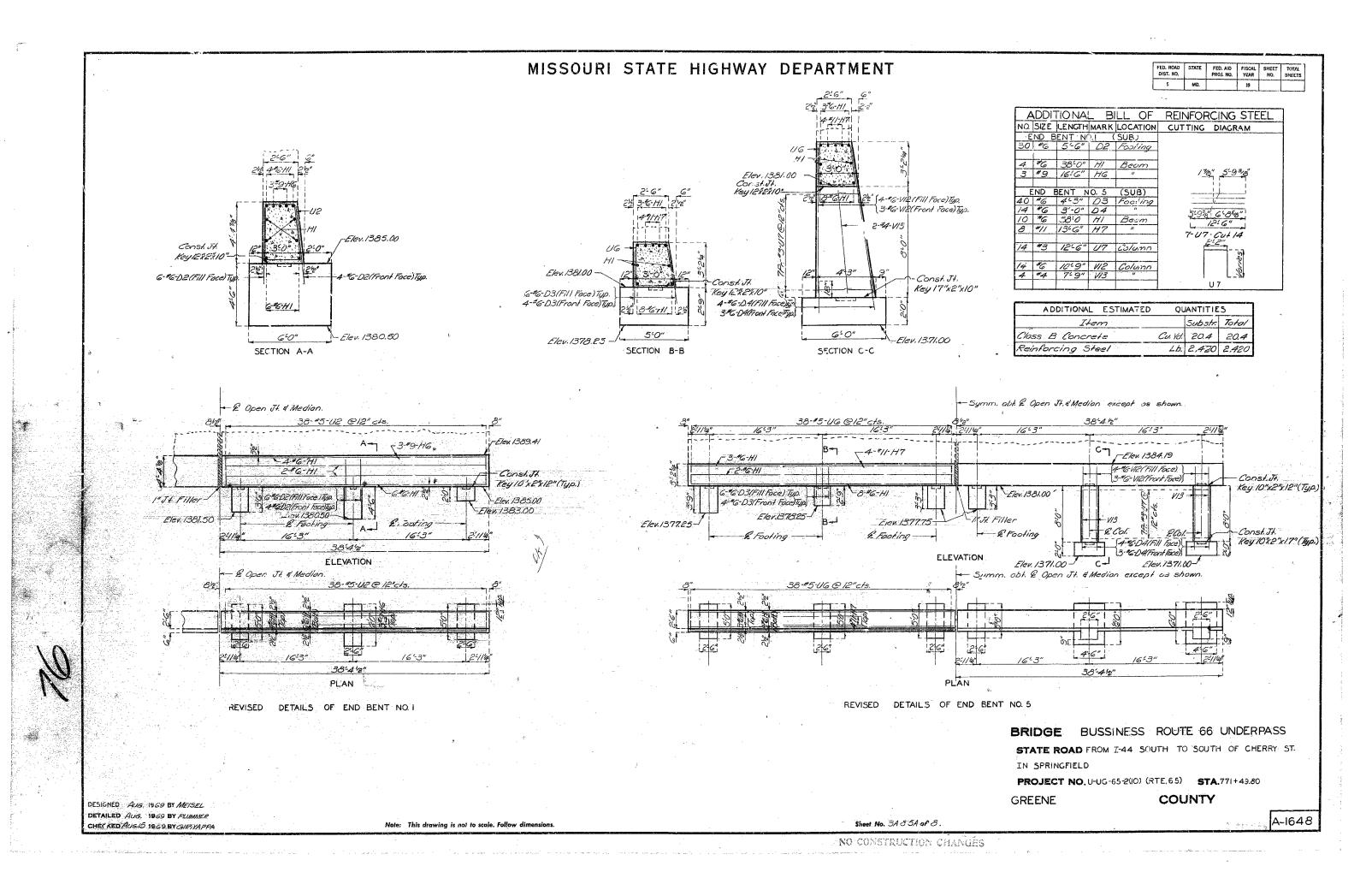
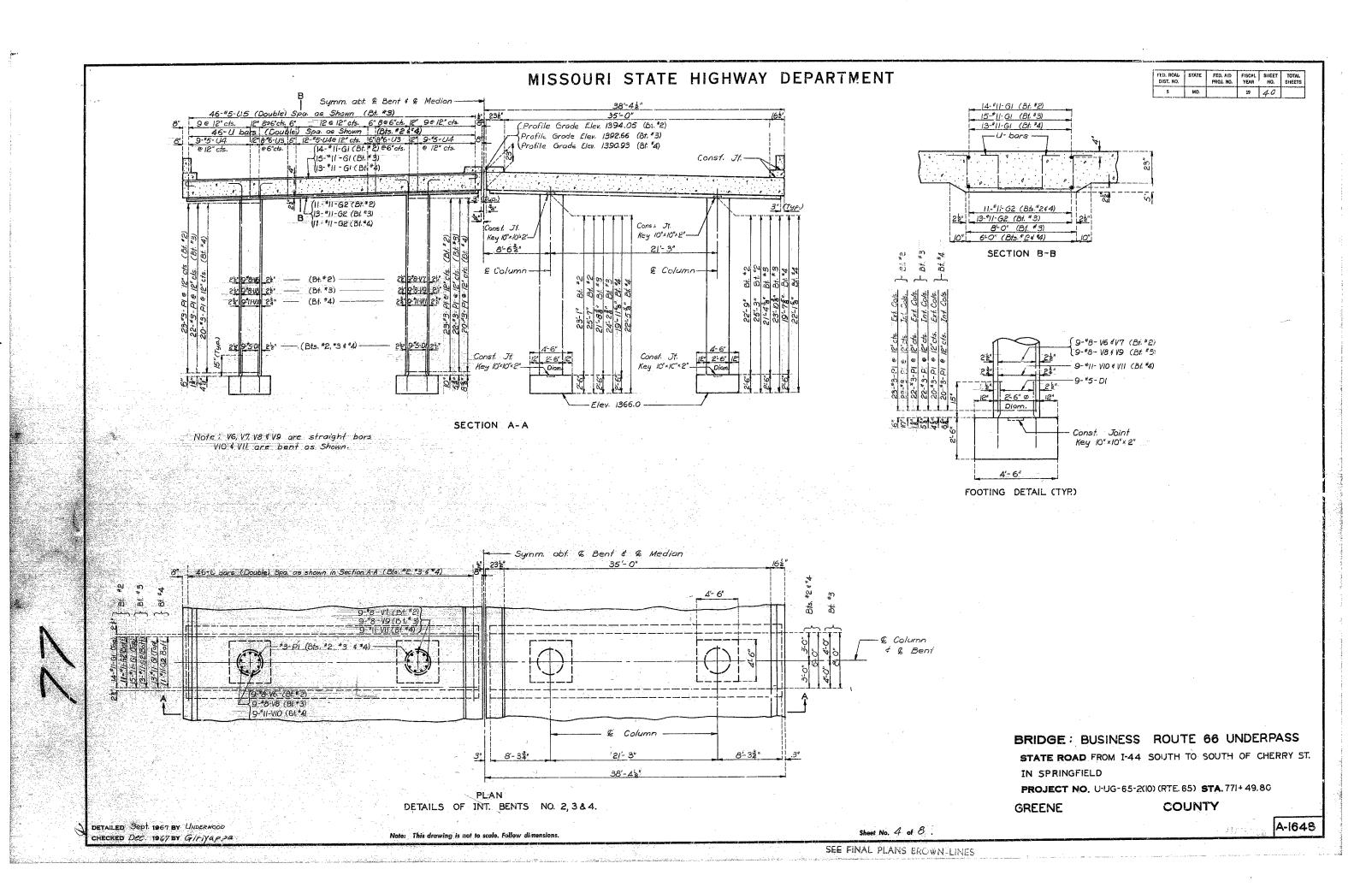
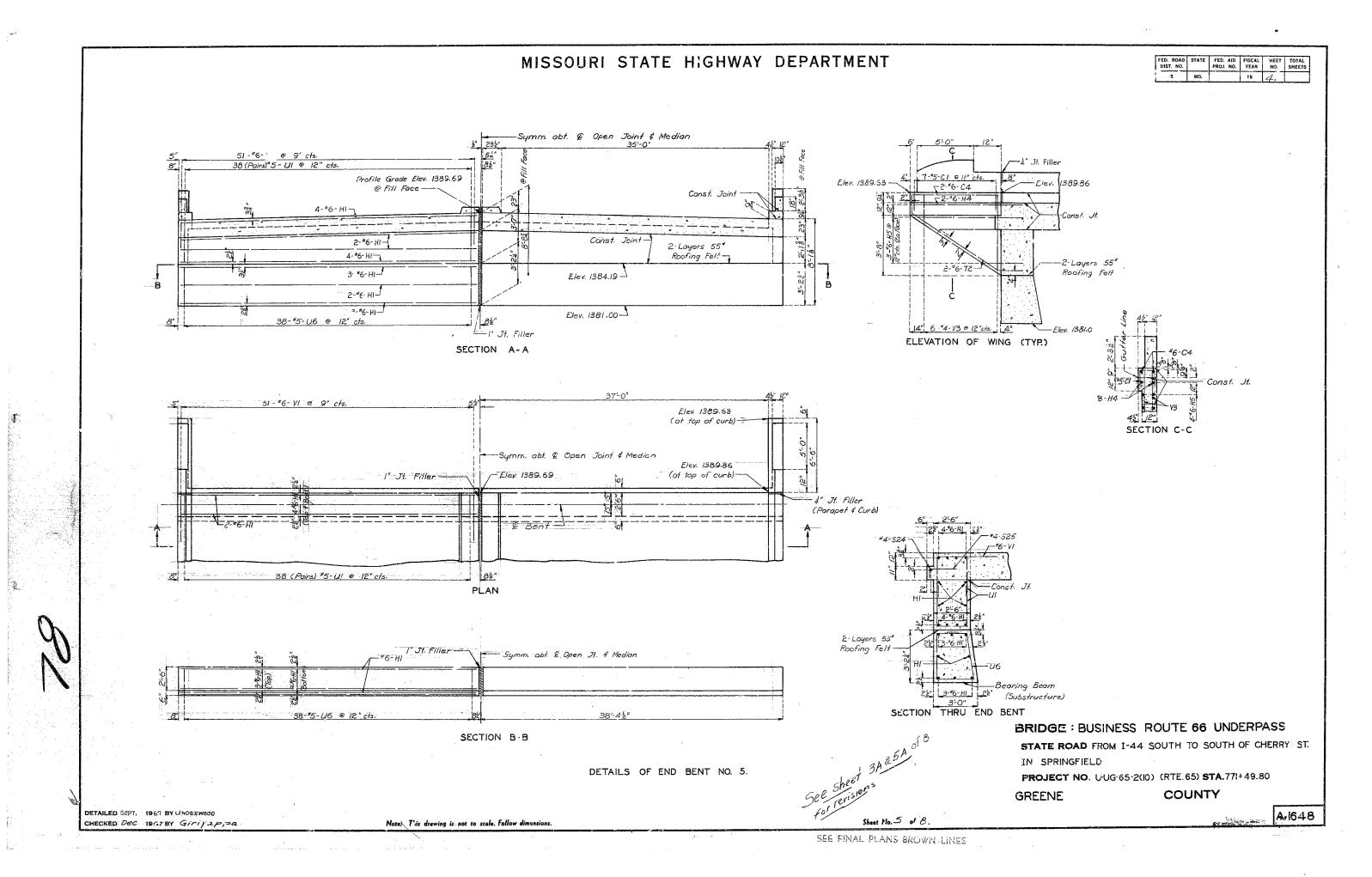


NO CONSTRUCTION UNAMAIS









9" 16¹6" for S3 13¹6" 13¹3" for S4 18'-0" for 57 17-6" for SII 14-9" for 58 15-0" for 5/2 14-9" 8'-6" 8'-6" for 5/3 9-0" for 59 8'-6" 8'-0" for 55 9'-0" -£ 4" Jt. Fyller Jt. Filler (Curb, Parapet & Median Only) (Curb, Parapet & Median Only) (Curb, Parapet & Median Only) 69- "5. 51 @ 9" c/s. 55-#5-SI@ 9"cts. 69-#5-S/@ 9"cfs. 69-#5-SI @ 9"cts. 55-#5-51 @ 9" cts.

MISSOURI STATE HIGHWAY DEPARTMENT

PLAN OF SLAB SHOWING TOP AND BOTTOM REINFORCEMENT

204'-6"

9'8" for 6/9

2-6"

1 9-3" for 519

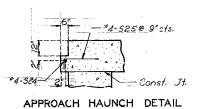
15'-0"

Note: All longitudinal dimensions shown are horizontal.

- € Benf

€ Const. Jt. -

47'- 3" SPAN (I-2)



-& Bent

5⁴3" for 507 15⁴3" for 520 9⁶0" for 516 9⁶3" for 519

Q Q

- & Const. Jt.

60'-0" SPAN (2-3)

BRIDGE: BUSINESS ROUTE 66 UNDERPASS

STATE RCAD FROM I-44 SOUTH TO SOUTH OF CHERRY ST.

IN SPRINGFIELD

- & Const. Jt.

37-3" SPAN (4-5)

PROJECT NO. U-UG-65-2(10) (RTE. 65) STA. 771+49.80

GREENE

COUNTY

523

-£ Benf

DETAILED SEPT. 1967 BY UNDERWOOD CHECKED DEC. 1967 BY GIRIFAPPA

Mote: This drawing is not to scale. Follow dimensions.

Sheet No. 6 of 8.

& Const. Jt. -

60'-0" SPAN (3-4)

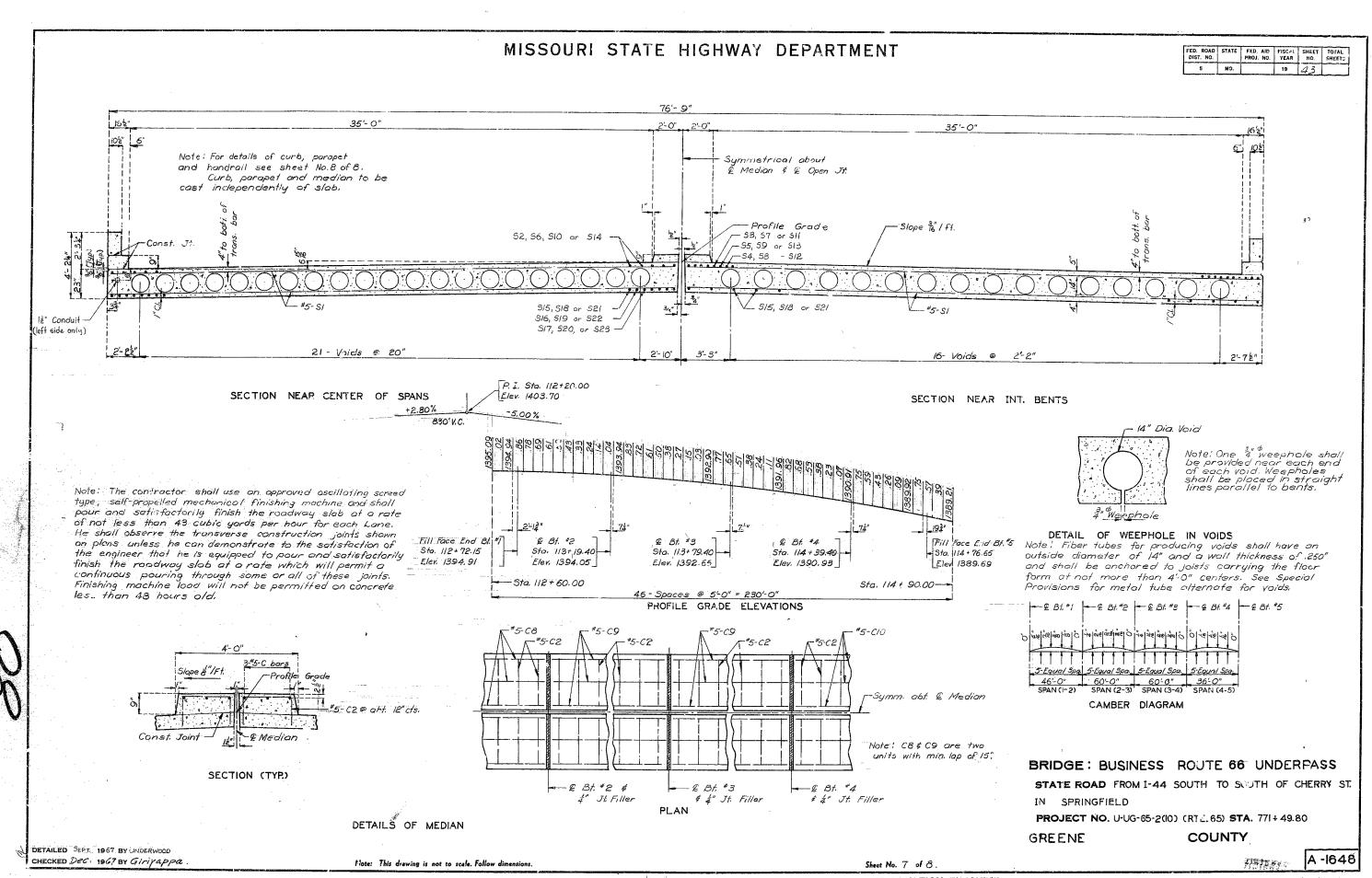
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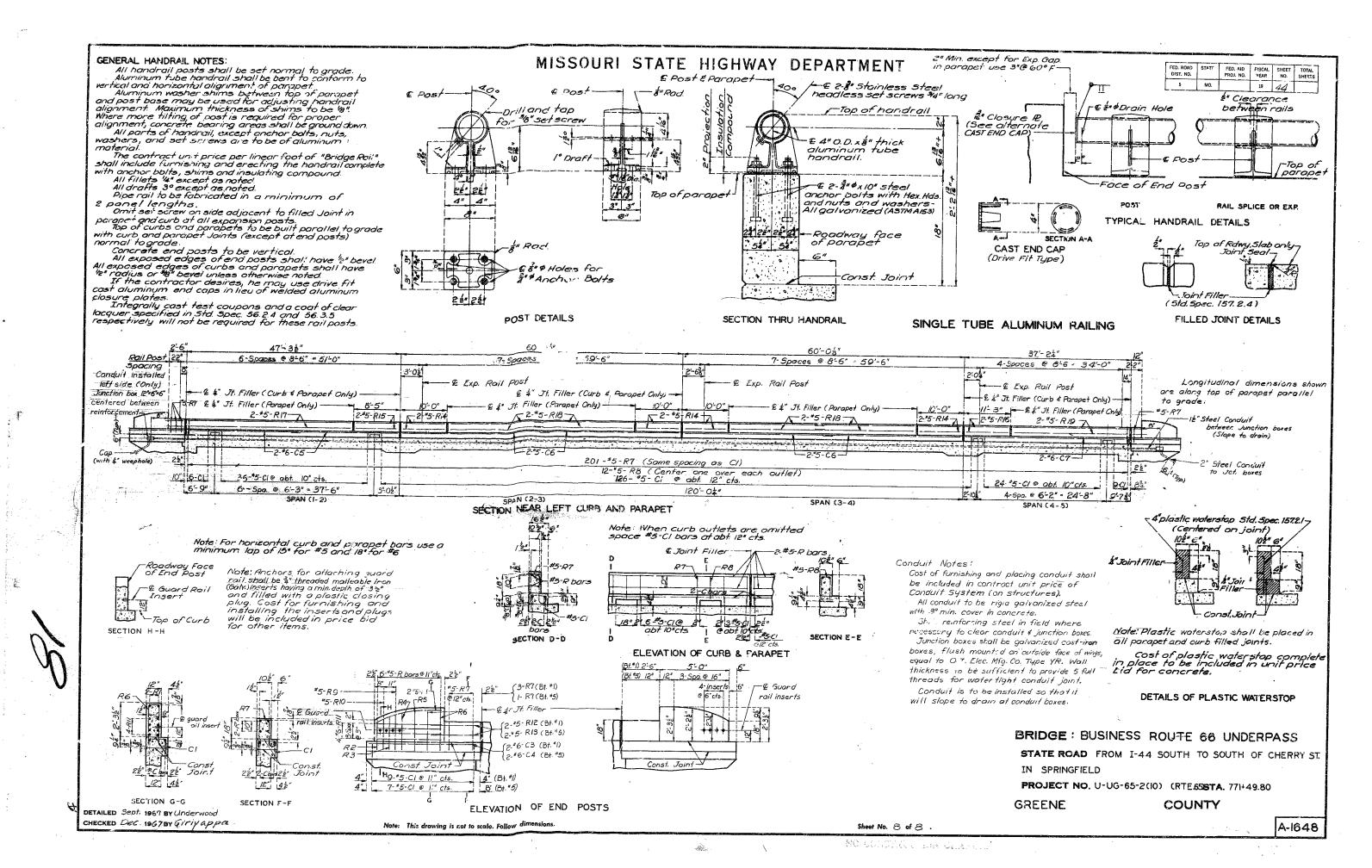
A-1648

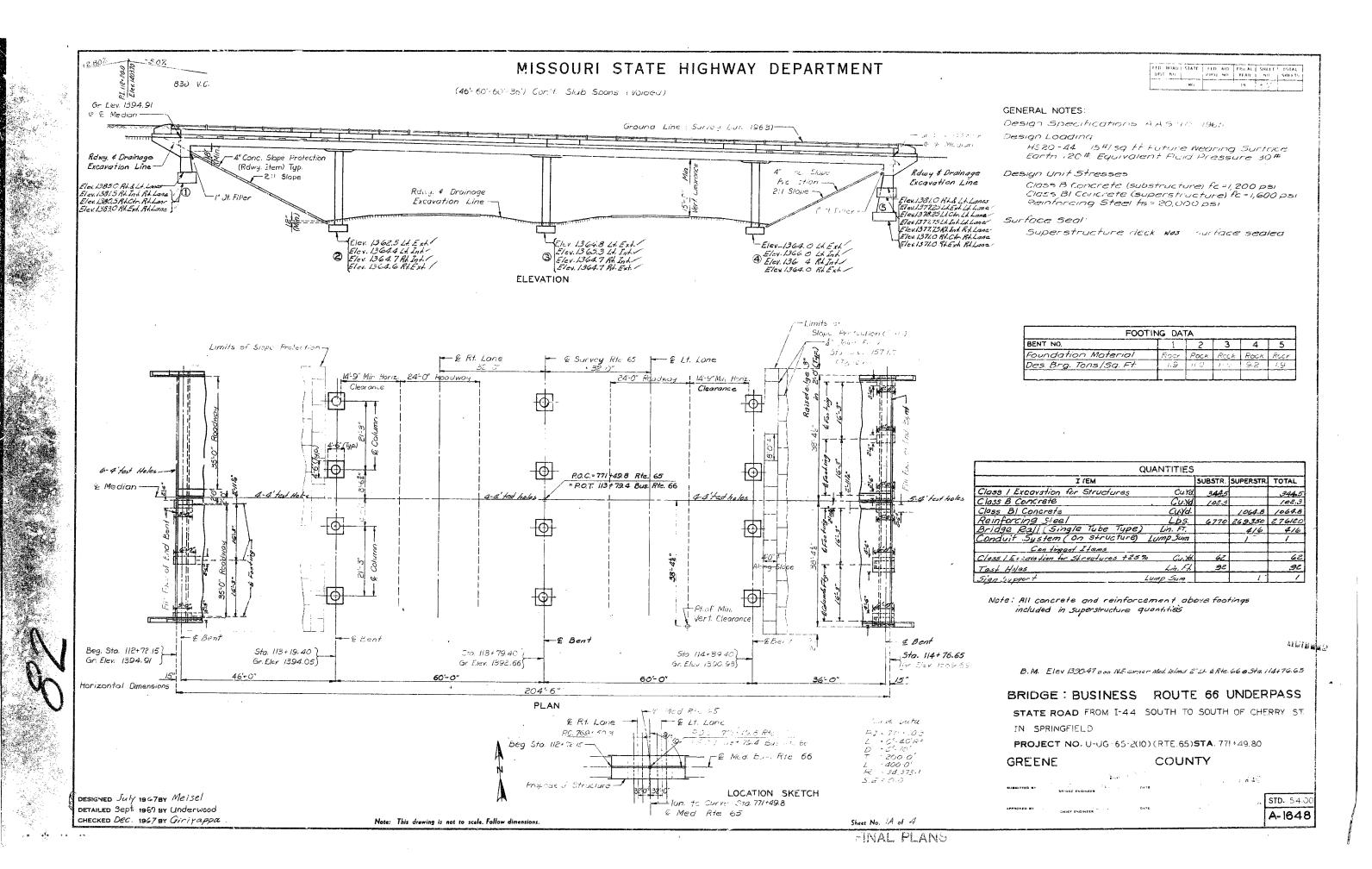
15-3" for 520

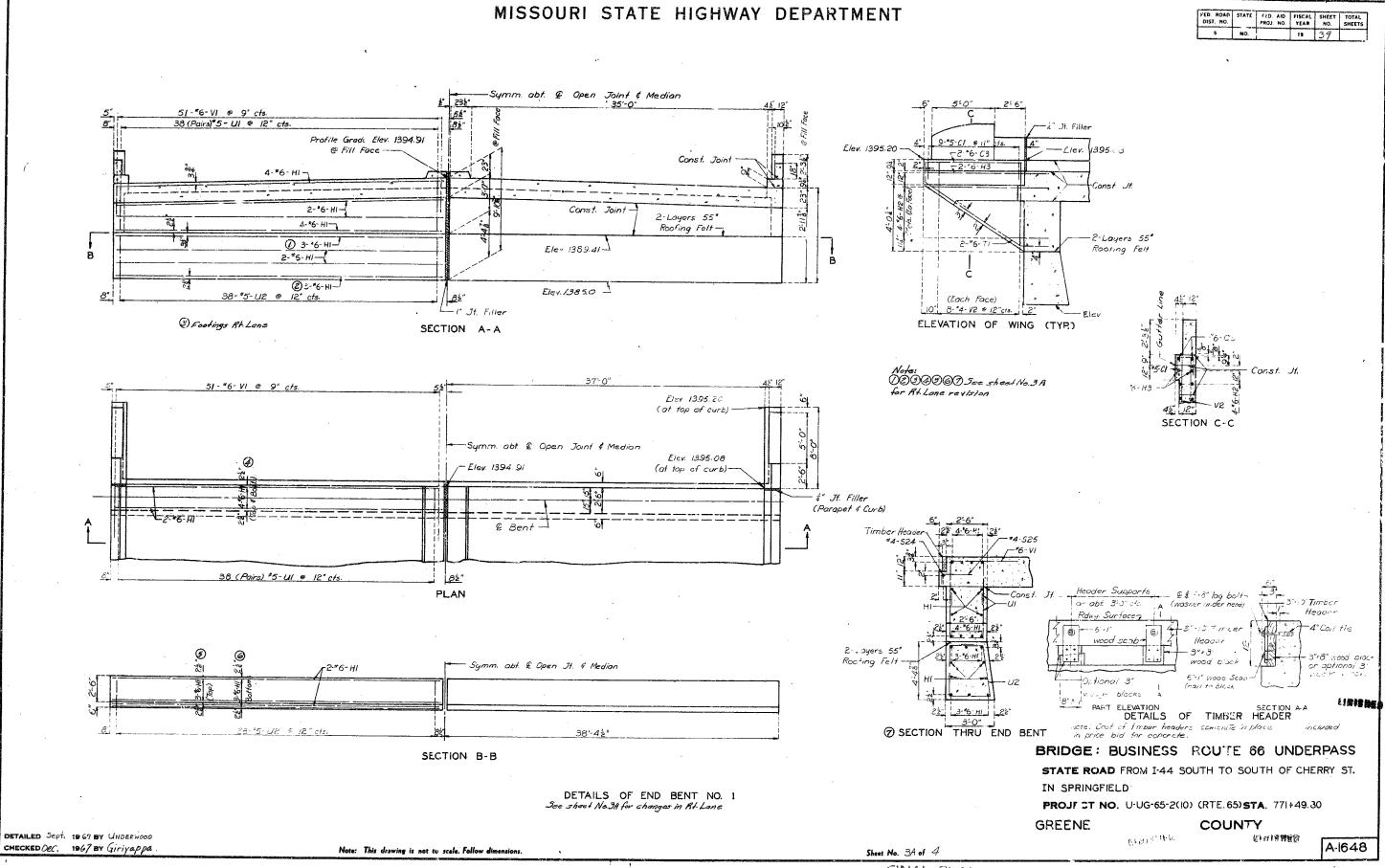
& Bent

15-0"

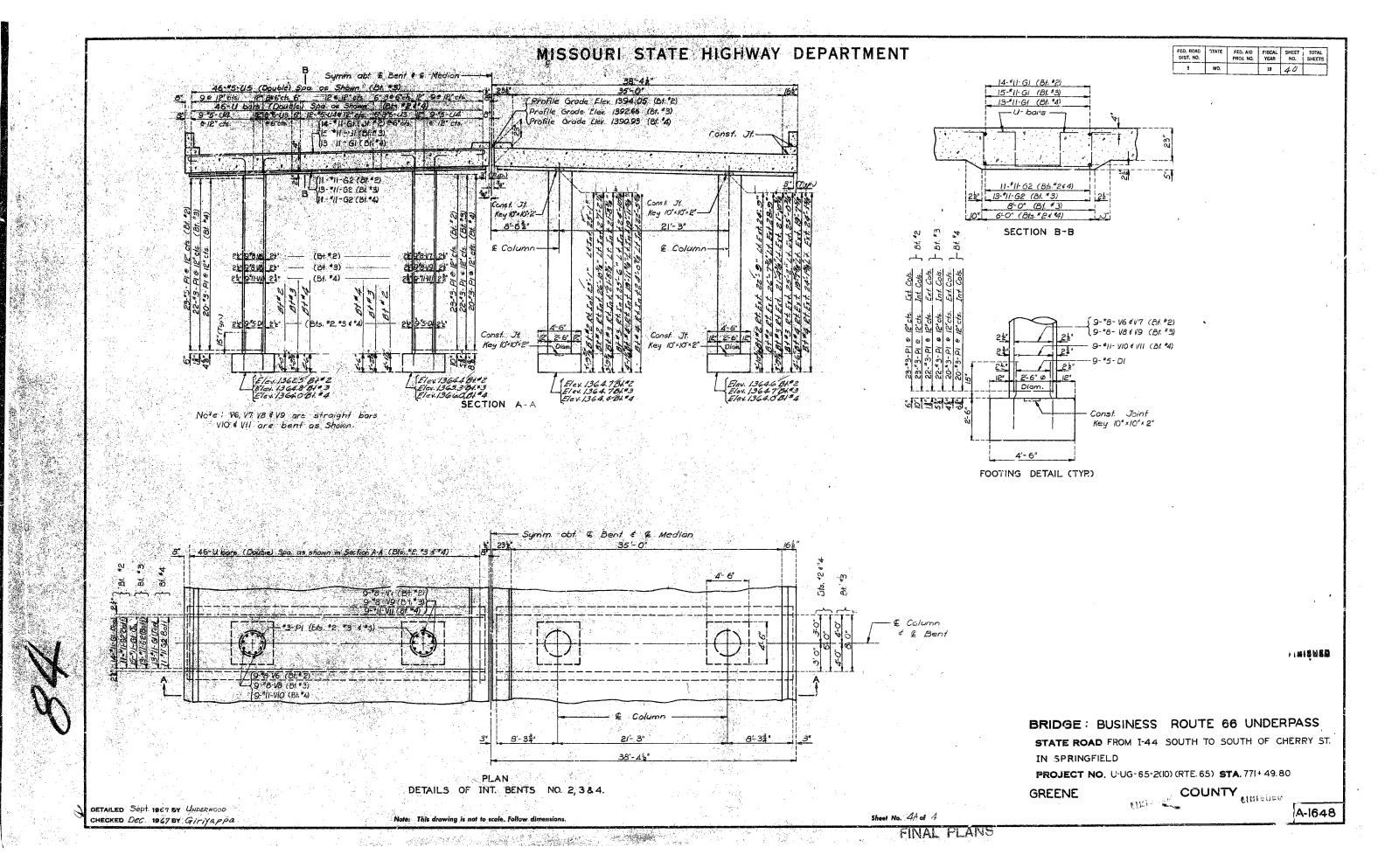


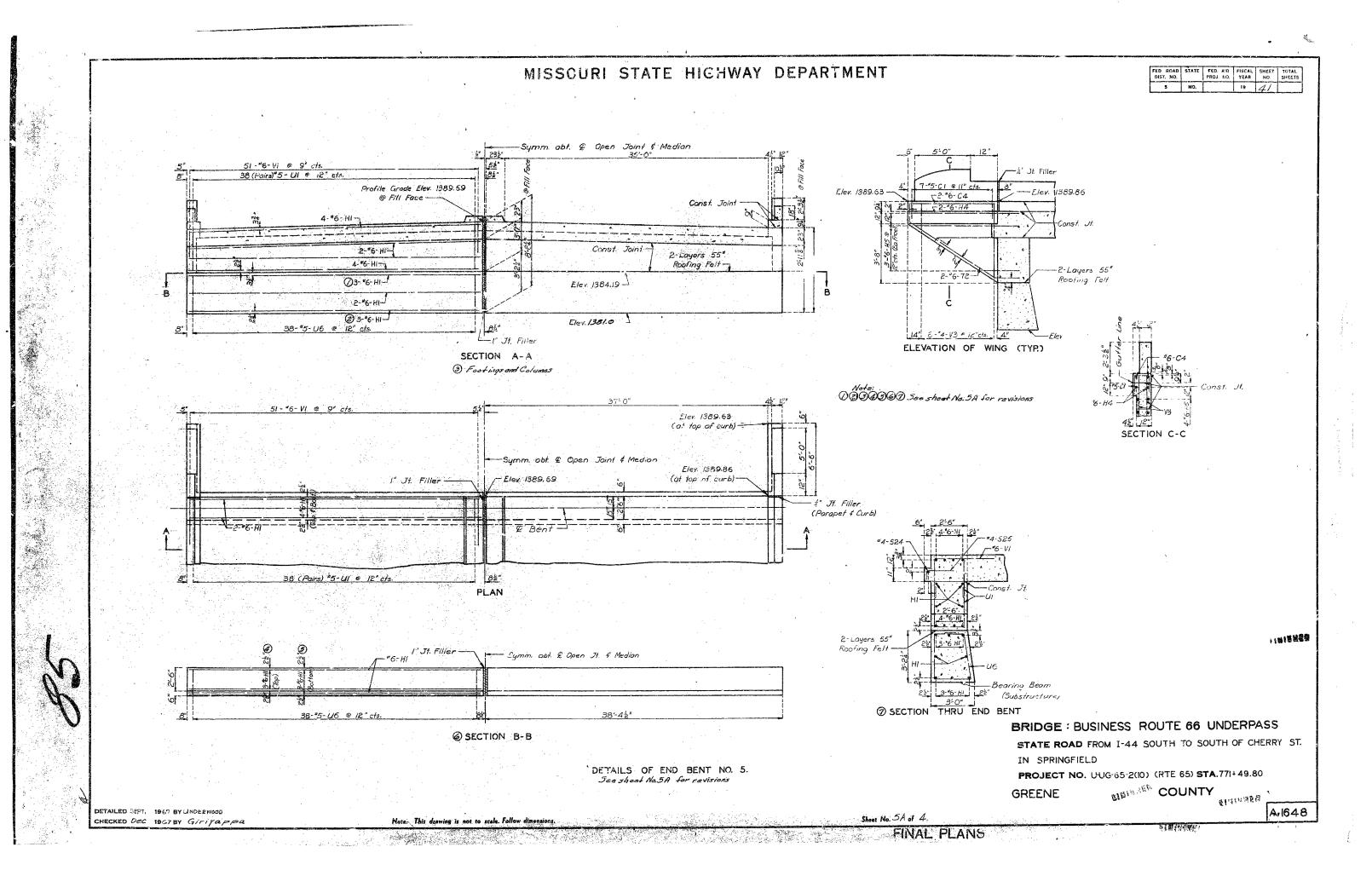


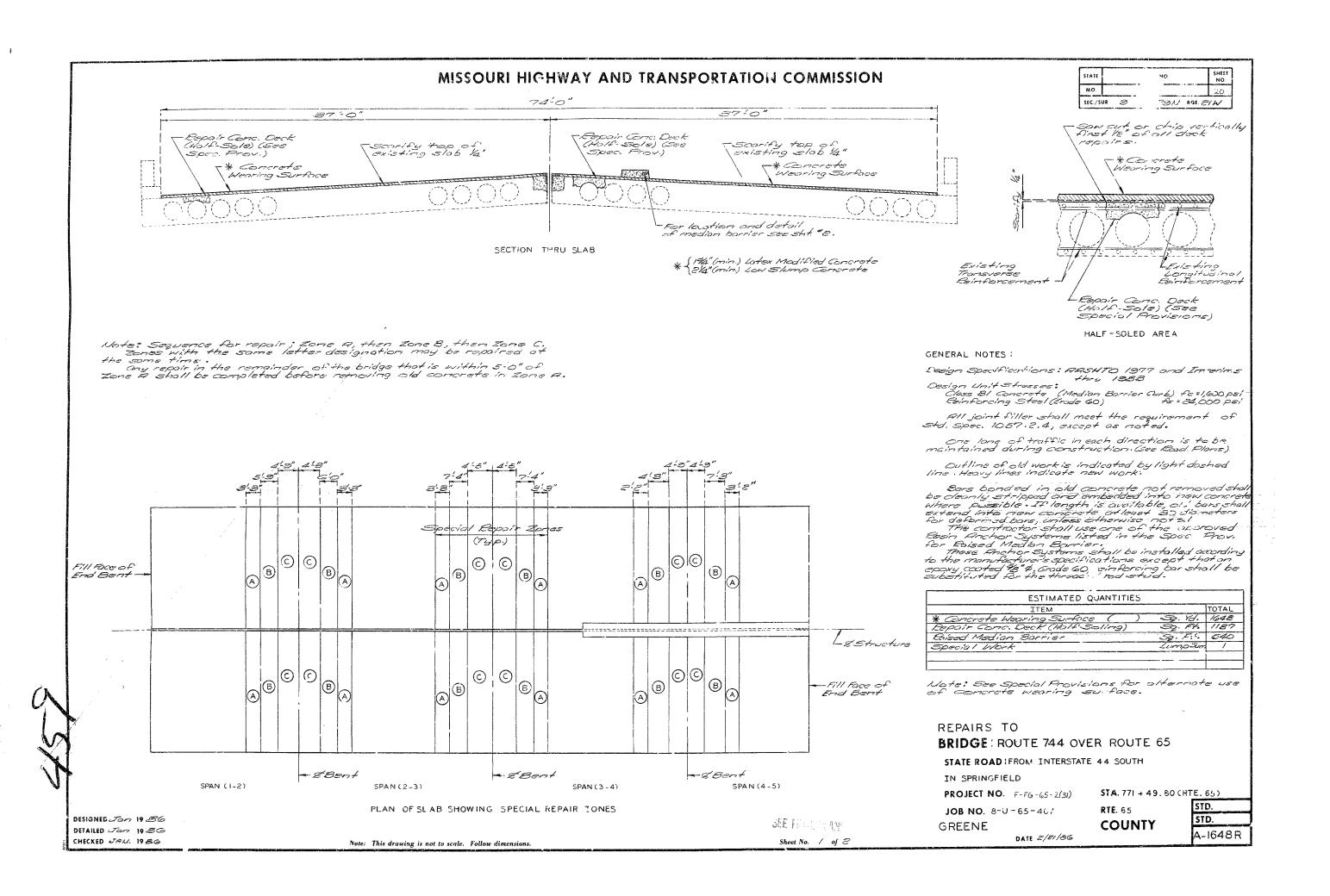


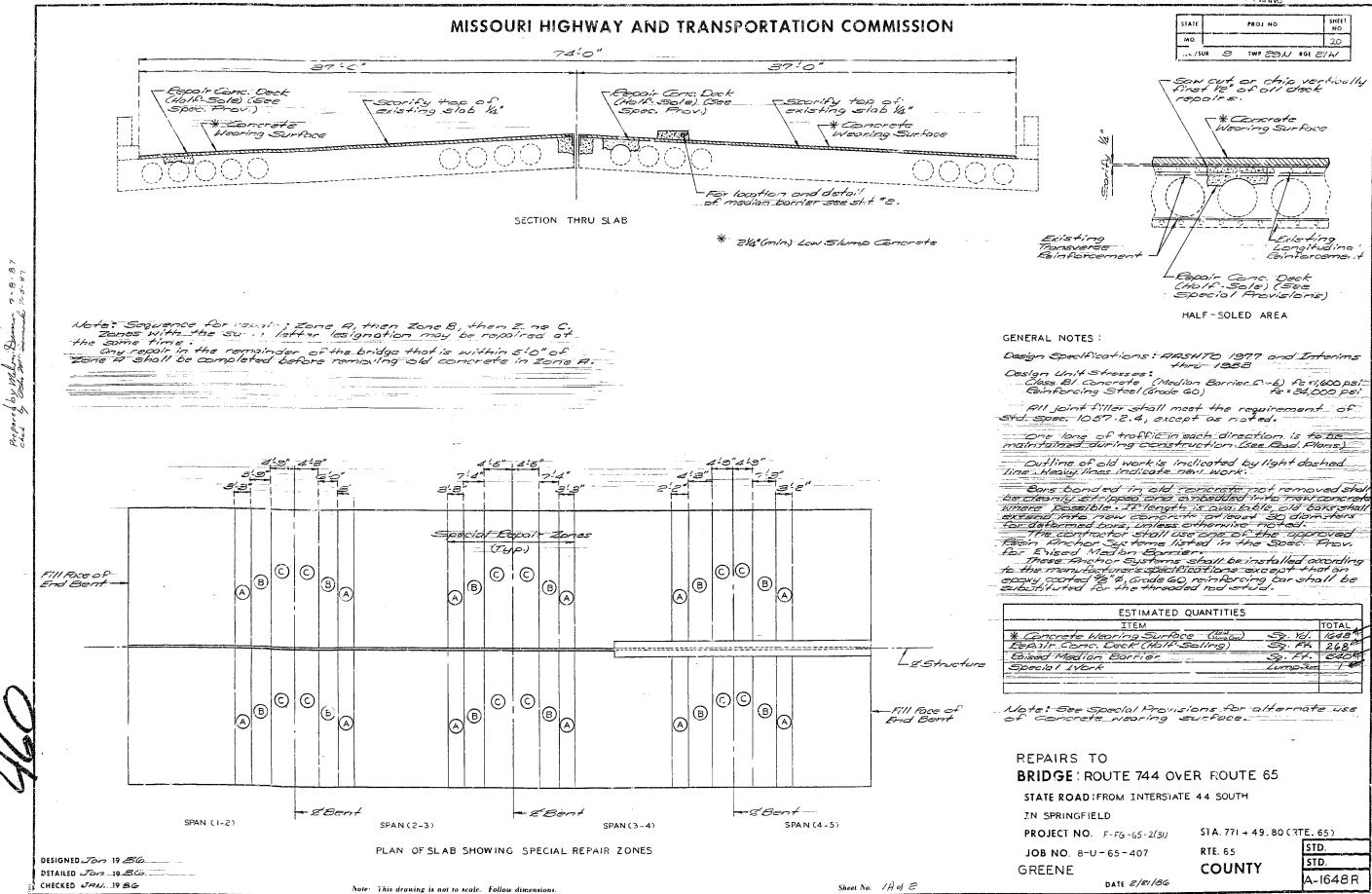


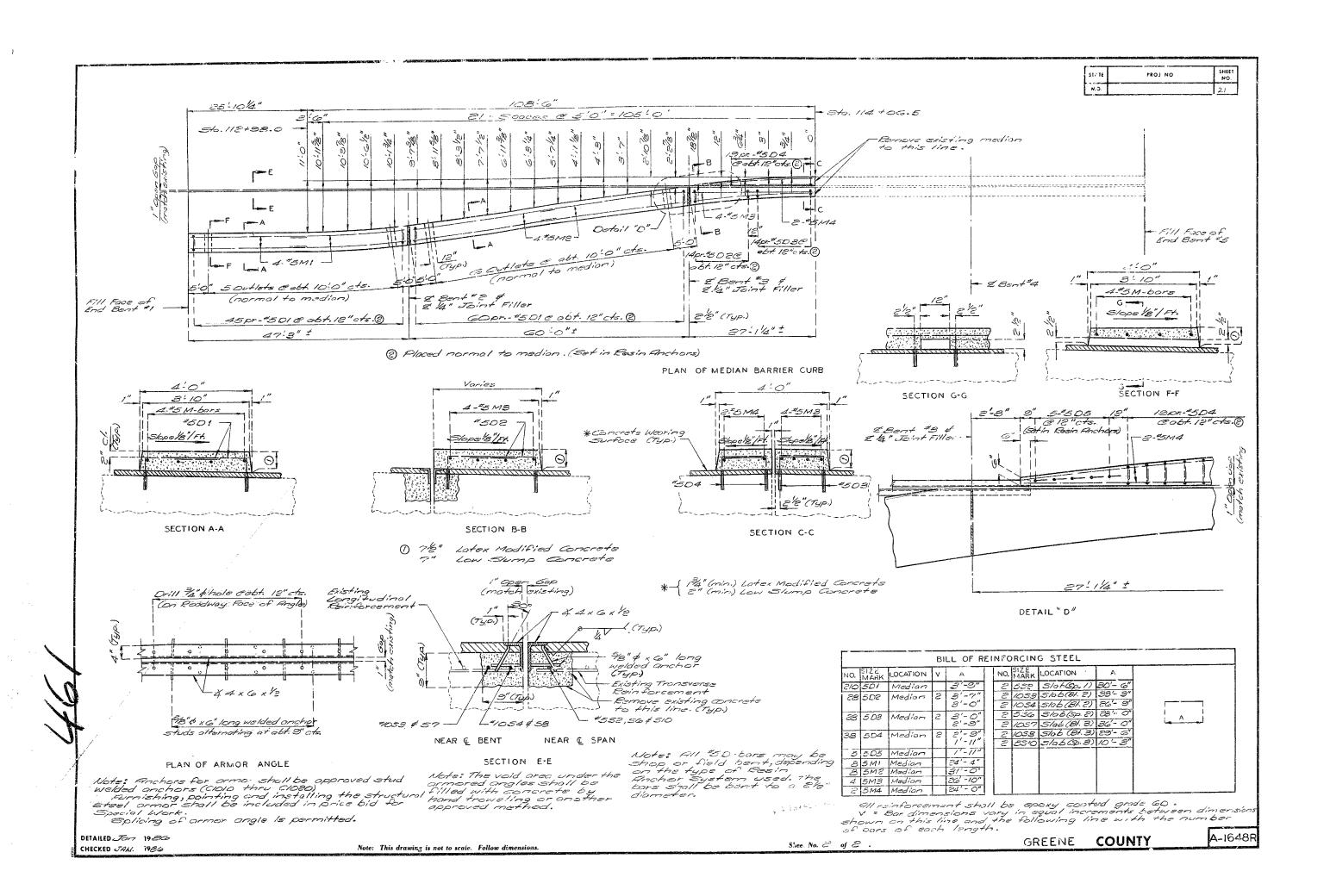
FINAL PLANS











MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

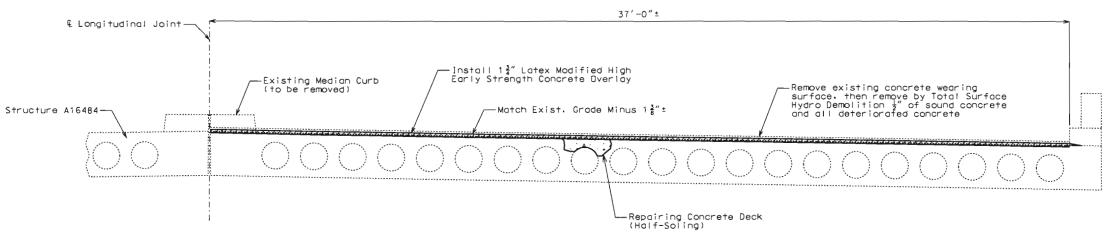
U.I.P. EXISTING (46'-60'-36') CONTINUOUS CONCRETE VOIDED SLAB SPANS

STATE OF MISSOUR 744 MO BR RAYMOND J. JANSEN NUMBER PE-16126 JOB NO. J8S2152 CONTRACT ID. PROJECT NO. COUNTY GREENE

TWP 29N

RGE 21W

SEC/SUR 9



SECTION THRU SLAB (E.B.L.)

General Notes:

Design Specifications: 2002 - AASHTO 17th Edition Bridge Deck Rating = 6

Design Loading:

H20-44 (1965), HS20-44 (New Const.)

Design Unit Stresses:

Class B-2 Concrete

f'c = 4.000 psi

Dimensions:

Contractor shall verify all dimensions in field before ordering new material.

Traffic Control:

Mointain one lane of traffic over structure during construction. (See roadway plans for traffic control).

Miscellaneous:

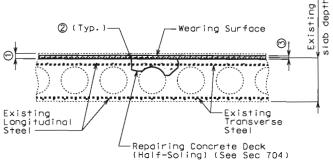
Dutline of old work is indicated by light dashed lines. Heavy lines indicate new work.

Roadway surfacing adjacent to bridge ends to match bridge deck (Rdwy. Item).

The contractor shall exercise care to ensure spillage over joint edges is prevented and that a neat line is obtained along any terminating edge of the latex modified high early strength concrete overlay.

All exposed edges of overlay shall have a $\frac{1}{4}$ " radius, unless otherwise noted.

"Sec" refers to the sections in the standard and supplemental specifications unless specified otherwise.



HALF-SOLED AREA

- Remove existing wearing surface plus 1/2" of bridge deck by Total Surface Hydro Demolition.
- One inch vertical side shall be established outside the deteriorated area. See Sec 704.
- 3 1-3/4" (min.) Latex Modified High Early Strength Concrete Overlay.

Item			Total
emoval of Concrete Wearing Surface	sq.	foot	7558
emoval of Median Curb	linear	foot	301
atex Modified High Early Strength Concrete Wearing Surface	sq.	yard	828
olymer Concrete	cu.	foot	34
epairing Concrete Deck (Half-Soling)	sq.	foot	500
otal Surface Hydro Demolition	sq.	yard	840
lean and Epoxy Seal	sq.	foot	1793
ilicone Expansion Joint Sealant	linear	foot	205

* Limits of removal is from Sta. 112+20.90 to Sta. 115+22.30.

REPAIRS TO BRIDGE: RTE. 744 OVER RTE. 65

STATE ROAD FROM RTE. 1-44 SOUTH IN SPRINGFIELD STA. 112+72.15 = (Match Exist.)

PROJECT NO.

COUNTY GREENE

DISTRICT SHEET NO. 2

SHEET NO. 2

PROJECT NO. 2

SHEET NO. 2

RATHOND J. SHEET NO. 1

RATHOND J.

3'-6" 4'-2" 5'-11" 4'-1" 3'-3" 3'-1" 18" 18" Fill Foce of End Bent No. 1-—€ Longitudinal Joint 8'-0" (Typ. В —Fill Face of End Bent No. 5 С С С Ε F · Ε Ε В С С ← £ Int. Bent No. 2 └─ @ Int. Bent No. 3 € Int. Bent No. 4— -Edge of slab and curb

PLAN OF SLAB SHOWING REPAIR ZONES

Note:

Total Surface Hydro Demolition and concrete deck repair shall be completed in alphabetical sequence beginning with Repoir Zone "A". Repair zone requirement does not apply to removal of existing concrete wearing surface.

Removal and repair shall be completed in one repair zone and concrete shall have attained a compressive strength of 3200 psi before work can be started in the next repair zone. Before placing concrete in areas adjacent to areas of subsequent repair, the concrete shall be separated with a material such as polyethylene sheets to aid in removal of old concrete.

Zones with the same letter designation may be repaired at the same time except for the zones directly adjacent to the centerline of bent. If either of the zones adjacent to centerline of bent has a single repair area of over 10 square feet or a total repair area of over 20 square feet, that zone shall be repaired before removing concrete in the other zone of the same designation at that bent.

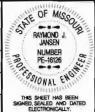
Except for the repair zone requirement for the zones directly adjacent to the centerline of bent, if any single repair area in Repair Zone "D" or "E" does not exceed 9 square feet in size and the total repair within a repair zone does not exceed 27 square feet, the repair zone requirement does not apply for that zone. Half-soling repair in a repair zone shall be to a depth that will not expose half the diameter of the bottom longitudinal reinforcing bar. Full depth repair shall be made when removal of deteriorated concrete exposes half or more of the diameter of the bottom longitudinal reinforcing bar.

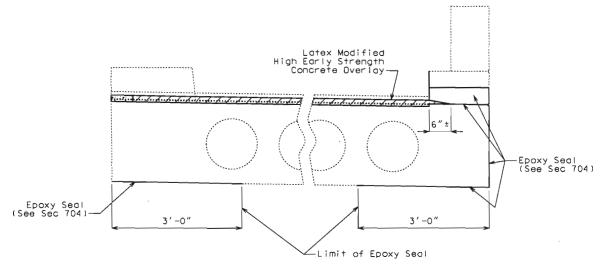
An exposed void in the deck shall be patched as approved by the engineer in a manner that shall maintain the void area completely free of concrete. Cost of patching an exposed void will be considered completely covered by the contract unit price for repairing concrete deck (half-soling).



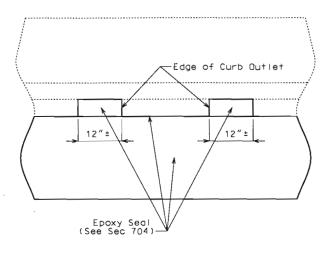
PROJECT NO.

COUNTY GREENE

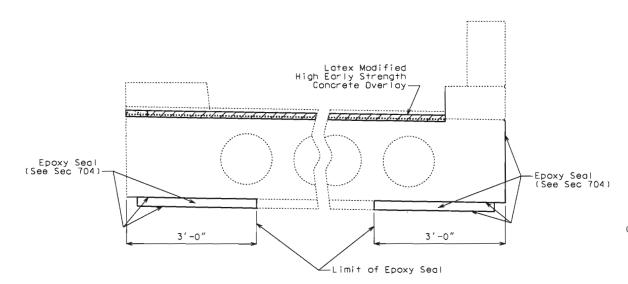




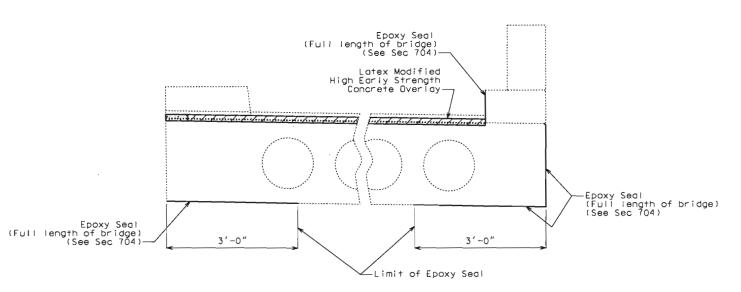
TYPICAL PART SECTION THRU SLAB SHOWING EXISTING CURB OUTLET



TYPICAL ELEVATION OF EXISTING CURB SHOWING OUTLET



TYPICAL PART SECTION THRU SLAB SHOWING DROP PANEL AREA AT INT. BENT NOS. 2 & 4

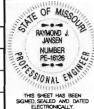


TYPICAL PART SECTION THRU SLAB

MO BR JOB NO. J8S2152 CONTRACT ID.

PROJECT NO.

COUNTY GREENE

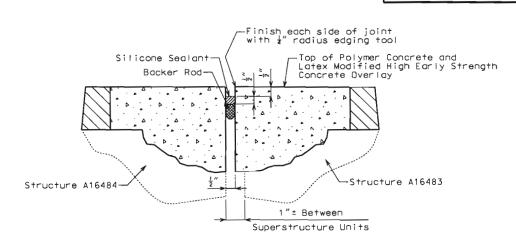


Polymer Concrete (Typ.) $\frac{1}{2}$ " Formed Jt. $1\frac{3}{4}$ " Latex Modified High Early Strength Concrete Overlay (Typ.)--Structure A16483 Structure A16484-1" ± Between Temporary Forming Material -Superstructure Units

** Polymer Concrete manufacturer's recommended depth.

WEARING SURFACE INSTALLATION AT LONGITUDINAL JOINT

(in area of existing longitudinal armor removal)



COMPLETED LONGITUDINAL JOINT

(in area of existing longitudinal armor removal)

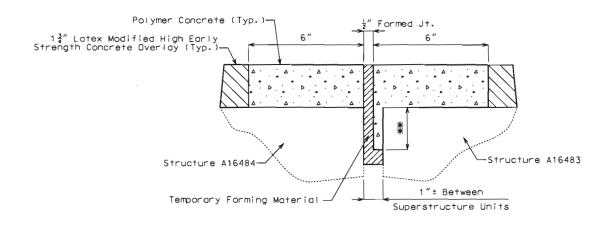
Notes:

All temporary forming material shall be completely removed prior to sealing joint.

Silicone Expansion Joint shall be in accordance with Sec 717.40.

Polymer concrete shall be in accordance with Sec 623.

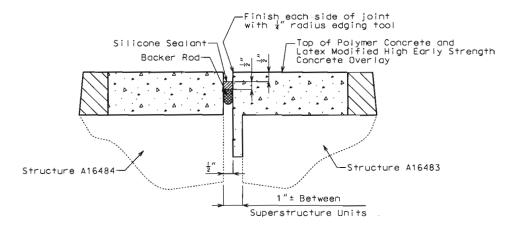
Removal of longitudinal armor shall be included in unit price bid for "Removal of Concrete Wearing Surface".



** Polymer Concrete manufacturer's recommended depth.

WEARING SURFACE INSTALLATION AT LONGITUDINAL JOINT

Ahead station from Bent No. 3 (no armor)



COMPLETED LONGITUDINAL JOINT

Ahead station from Bent No. 3 (no armor)

LONGITUDINAL SILICONE EXPANSION JOINT

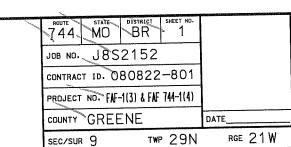
Detailed May 2008 Checked June 2008

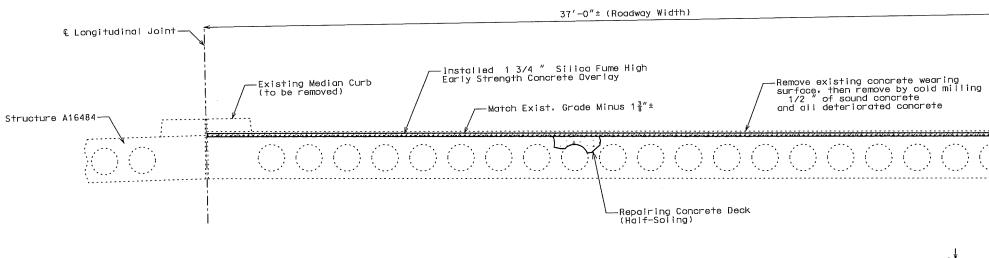
Note: This drawing is not to scale. Follow dimensions.

Sheet No. 4 of 4

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

U.I.P. EXISTING (46'-60'-60'-36') CONTINUOUS CONCRETE VOIDED SLAB SPANS





General Notes:

Design Specifications:

2002 - AASHTO 17th Edition Bridge Deck Rating = 6

Design Loading:

H20-44 (1965), HS20-44 (New Const.)

Design Unit Stresses:

Class B-2 Concrete

f'c = 4.000 psi

Dimensions: Contractor shall verify all dimensions in field before ordering new material.

Traffic Control:

Maintain one lane of traffic over structure during construction. (See roadway plans for traffic control).

Miscellaneous:

Designed Detailed May 2008 Checked 2008

Dutline of old work is indicated by light dashed lines. Heavy lines indicate new work.

Roadway surfacing adjacent to bridge ends to match bridge deck (Rdwy. Item).

The contractor shall exercise care to ensure spillage over joint edges is prevented and that a neat line is obtained along any terminating edge of the silica fume high early strength concrete overlay.

All exposed edges of overlay shall have a $\frac{1}{4}{''}$ radius, unless otherwise noted.

"Sec" refers to the sections in the standard and supplemental specifications unless specified otherwise.

COMPILED BY: Bernif Mr 4-18-10

SECTION THRU SLAB

② (Typ.)--Wearing Surface **⊚**I Existing Existing Longitudinal Transverse -Repairing Concrete Deck (Half-Soling) (See Sec 704)

- Structure A16483

FINAL PLANS

HALF-SOLED AREA

- Remove existing wearing surface plus $1/2^{\prime\prime}$ of bridge deck by cold milling.
- One inch vertical side shall be established outside the deteriorated area. See Sec 704.
- 3 1-3/4" (min.)Silica Fume High Early Strength Concrete Overlay.

/ DDTINGE NO. 4-16493 1

Estimated Quant	ities		
ESTITIOTED GOOTT	11100		Total
Item			7558
Removal of Concrete Wearing Surface		sq. foot	
Removal of Median Curb		linear foot	301
SILICA FUNE CONCRETE WEARING SURFACE	* (5102)	sq. yard	851 🗸
Park (No.15-Col.)		sq. foot	6960 -
Repairing Concrete Deck (Half-Soling)		sq. yard	\ O\
Total Surface Hydro Demolition		sq. foot	2223
Clean and Epoxy Seal		linear foot	205
Silicone Expansion Joint Sealant	W (F407)	SQ. FOOT	174
SUPER STRUCTURE REPAIR	*(5107)	SQ. F00T	70
SLAB EDGE REPAIR	*(5106)		464
STIRRUPS	* (5101)	EACH	1017
RE-STOCKING FEE FOR LATEX MODIFIED MATERIAL	** (5105)	LUMP SUM	V
MOBILIZATION FOR EXTRA WORK	** (5111)	LUMP SUM	<u> </u>
MORILIZATION FOR EXTRA WORK	※ (5112)		
LATEX MODIFIED HIGH EARLY STRENGTH CONCRETE WEARING SURFACE		1480 > SQ. YARD	0
POLYMER CONRETE	(LINE NO.	1490) / CU.FT.	0_

*Bridge Contingent Items

STATE ROAD

ABOUT

STA. 112+72.15 ± (Match Exist.)

STD. STD. STD. STD. A16483

REPAIRS TO BRIDGE OVER, RTEA

CHECKED BY:// / Sheet No.1 of 4

T44 MO BR 2

JOB NO. J8S2152

CONTRACT ID. 080822-801

PROJECT NO. FAF-1(3) & FAF 744-1(4)

COUNTY GREENE DATE

5'-5" 5'-11" 3'-3" 3'-1" 18" 18" Fill Face of — € Longitudinal Joint End Bent No. 1-Α В В —Fill Face of End Bent No. 5 С С С D Ε Ε E F Ε F F Α Α В В В В С -€ Int. Bent No. 2 — € Int. Bent No. 3 & Int. Bent No. 4--Edge of slab and curb

PLAN OF SLAB SHOWING SPECIAL REPAIR ZONES

Note:

Detailed May

Total was cold milled and concrete deck repair shall be completed in alphabetical sequence beginning with Repair Zone "A". Repair zone requirement does not apply to scarification.

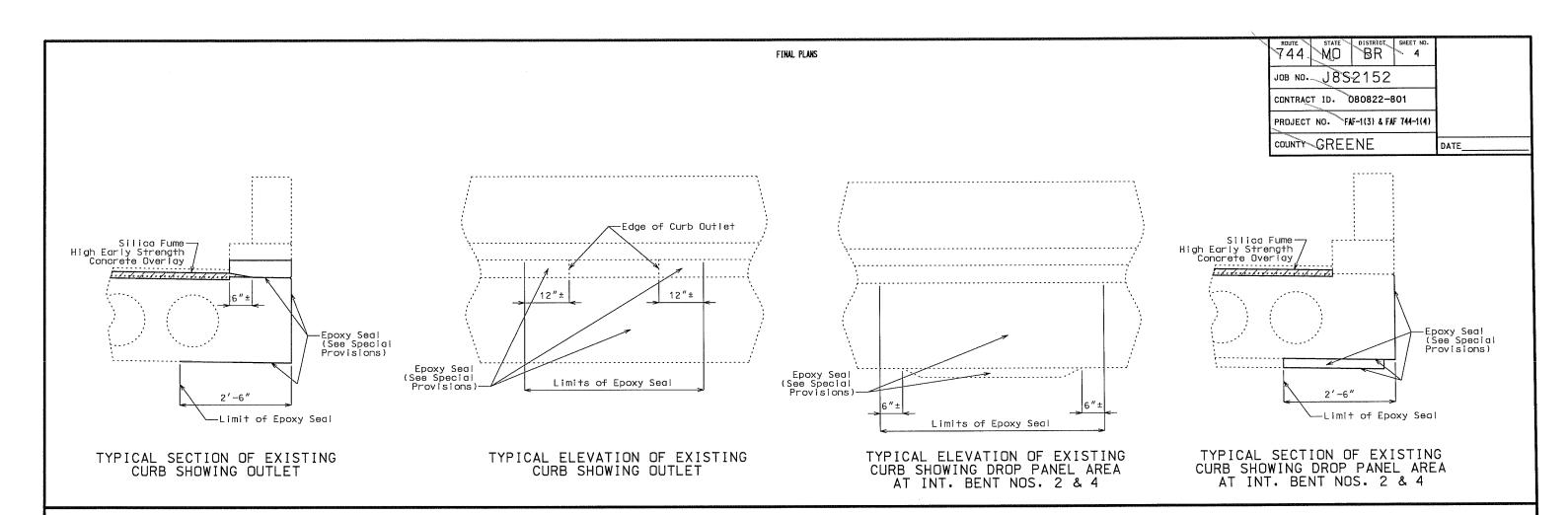
Removal and repair shall be completed in one repair zone and concrete shall have attained a compressive strength of 3200 psi before work can be started in the next repair zone. Before placing concrete in areas adjacent to areas of subsequent repair, the concrete shall be separated with a material such as polyethylene sheets to aid in removal of old concrete.

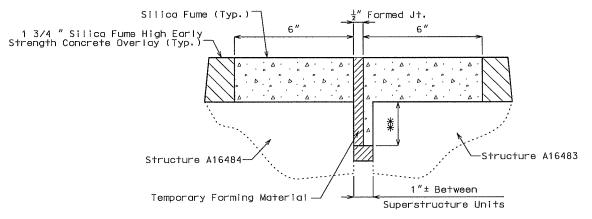
Zones with the same letter designation may be repaired at the same time except for the zones directly adjacent to the centerline of bent. If either of the zones adjacent to centerline of bent has a single repair area of over 10 square feet or a total repair area of over 20 square feet, that zone shall be repaired before removing concrete in the other zone of the same designation at that bent.

Except for the repair zone requirement for the zones directly adjacent to the centerline of bent, if any single repair area in Repair Zone "D" or "E" does not exceed 9 square feet in size and the total repair within a repair zone does not exceed 27 square feet, the repair zone requirement does not apply for that zone. Half-soling repair in a repair zone shall be to a depth that will not expose half the diameter of the longitudinal reinforcing bar. Full depth repair shall be made when removal of deteriorated concrete exposes half or more of the diameter of the longitudinal reinforcing bar.

COMPILED BY: Bring, Man 6-18-10

CHECKED BY La Alba 1/21/10

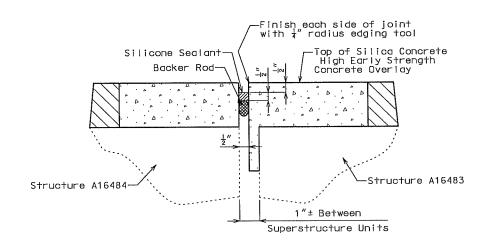




COMPILED BY: Berni)

Detailed May 2008 Checked 2008 ** Silica Concrete manufacturer's recommended depth.

WEARING SURFACE INSTALLATION AT JOINT



COMPLETED JOINT

lotes:

- All temporary forming material shall be completely removed prior to sealing joint.
- Silicone Expansion Joint shall be in accordance with Sec 717.40.
- Silica concrete shall be in accordance with Sec 505.30..

LONGITUDINAL SILICONE EXPANSION JOINT

.4 of 4.

CHECKED BY: La M h B b/21/10

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION U.I.P. EXISTING (46'-60'-60'-36') CONTINUOUS CONCRETE VOIDED SLAB SPANS

ROUTE 744 MO BR 1

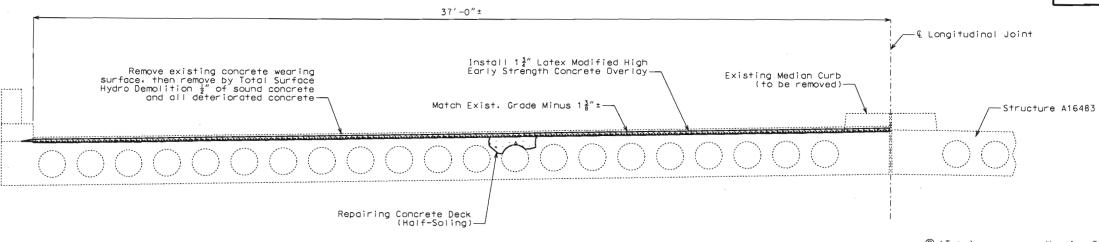
JOB NO. J8S2152

CONTRACT ID.

PROJECT NO.

COUNTY GREENE

SEC/SUR 9 TWP 29N RGE 21 W



SECTION THRU SLAB (W.B.L.)

General Notes:

Design Specifications:

2002 - AASHTO 17th Edition Bridge Deck Rating = 6

Design Loading:

H20-44 (1965), HS20-44 (New Const.)

Design Unit Stresses:

Class B-2 Concrete f'c = 4.000 psi

Dimensions:

Contractor shall verify all dimensions in field before ordering

Traffic Control:

Mointain one lane of traffic over structure during construction. (See roadway plans for traffic control).

Miscellaneous:

Outline of ald work is indicated by light dashed lines. Heavy lines indicate new work.

Roadway surfacing adjacent to bridge ends to match bridge deck (Rdwy. Item).

The contractor shall exercise core to ensure spillage over joint edges is prevented and that a neat line is obtained along any terminating edge of the latex modified high early strength concrete overlay.

All exposed edges of overlay shall have a $\frac{1}{4}$ " radius, unless otherwise noted.

"Sec" refers to the sections in the standard and supplemental specifications unless specified otherwise.

© (Typ.) Wearing Surface Existing Longitudinal Steel Repairing Concrete Deck (Half-Soling) (See Sec 704)

HALF-SOLED AREA

- Remove existing wearing surface plus 1/2" of bridge deck by Total Surface Hydro Demolition.
- ② One inch vertical side shall be established outside the deteriorated area. See Sec 704.
- 3 1-3/4" (min.) Latex Modified High Early Strength Concrete Overlay.

Estimated Quantifies		- 1
I tem		Total
Removal of Concrete Wearing Surface	sq. foot	7558
Removal of Median Curb	linear foot	140
Latex Modified High Early Strength Concrete Wearing Surface	sq. yard	828
Polymer Concrete	cu. foot	34
Repairing Concrete Deck (Half-Soling)	sq. foot	500
Total Surface Hydro Demolition	sq. yord	840
Clean and Epoxy Seal	sq. foot	1793

* Limits of removal is from the start of median curb on bridge (approx. Sta. 113+82.07, 2'-8"± ahead station from Bent No. 3) to Sta. 115+22.30.

REPAIRS TO BRIDGE: RTE. 744 OVER RTE. 65

STATE ROAD FROM RTE. 1-44 SOUTH
IN SPRINGFIELD
STA. 112+72.15 (Motch Exist.)

ROUTE 744 MO BR 2

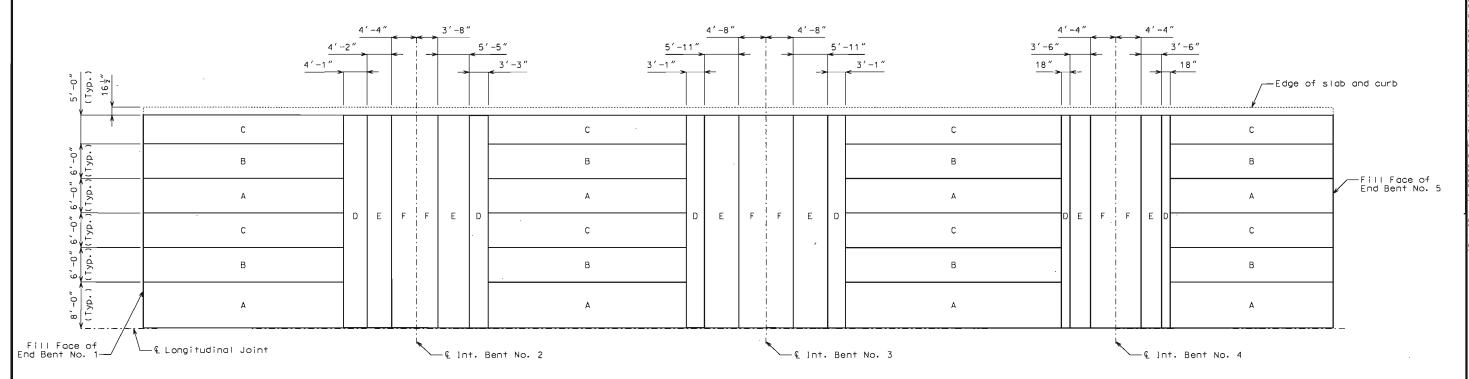
JOB NO. J8S2152

CONTRACT ID.

PROJECT NO.

COUNTY GREENE





PLAN OF SLAB SHOWING REPAIR ZONES

Note:

Total Surface Hydro Demolition and concrete deck repair shall be completed in alphabetical sequence beginning with Repair Zone "A". Repair zone requirement does not apply to removal of existing concrete wearing surface.

Removal and repair shall be completed in one repair zone and concrete shall have attained a compressive strength of 3200 ps; before work can be started in the next repair zone. Before placing concrete in areas adjacent to areas of subsequent repair, the concrete shall be separated with a material such as polyethylene sheets to aid in removal of old concrete.

Zones with the same letter designation may be repaired at the same time except for the zones directly adjacent to the centerline of bent. If either of the zones adjacent to centerline of bent has a single repair area of over 10 square feet or a total repair area of over 20 square feet, that zone sholl be repaired before removing concrete in the other zone of the same designation at that bent.

Except for the repair zone requirement for the zones directly adjacent to the centerline of bent. if any single repair area in Repair Zone "D" or "E" does not exceed 9 square feet in size and the total repair within a repair zone does not exceed 27 square feet, the repair zone requirement does not apply for that zone. Half-soling repair in a repair zone shall be to a depth that will not expose half the diameter of the bottom longitudinal reinforcing bar. Full depth repair shall be made when removal of deteriorated concrete exposes half or more of the diameter of the bottom longitudinal reinforcing bar.

An exposed void in the deck shall be patched as approved by the engineer in a manner that shall maintain the void area completely free of concrete. Cost of patching an exposed void will be considered completely covered by the contract unit price for repairing concrete deck (half-soling).

744 MO BR 3

JOB NO. J8S2152

CONTRACT ID.

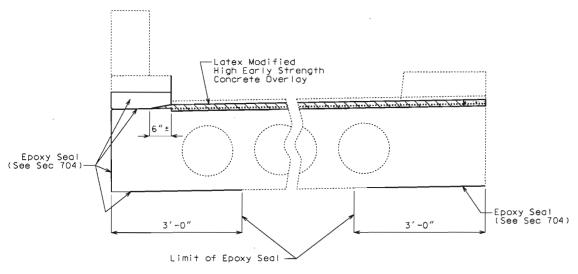
PROJECT NO.

COUNTY GREENE

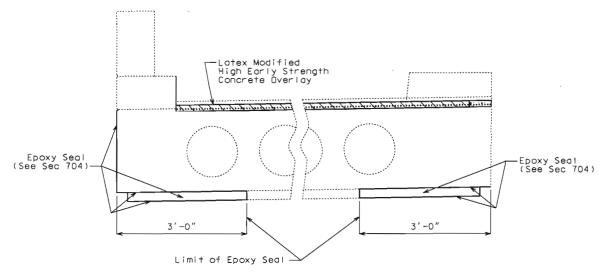


Epoxy Seal (See Sec 704)

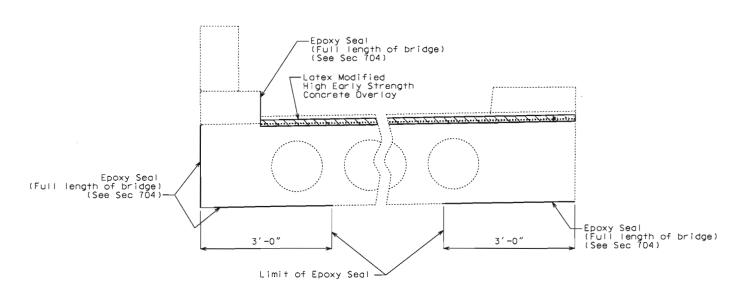
TYPICAL ELEVATION OF EXISTING CURB SHOWING OUTLET



TYPICAL PART SECTION THRU SLAB SHOWING EXISTING CURB OUTLET



TYPICAL PART SECTION THRU SLAB SHOWING DROP PANEL AREA AT INT. BENT NOS. 2 & 4



TYPICAL PART SECTION THRU SLAB



STATE OF MISSOUR RAYMOND J. JANSEN NUMBER PE-16126 NUMBER PE-16126

PROJECT ND.

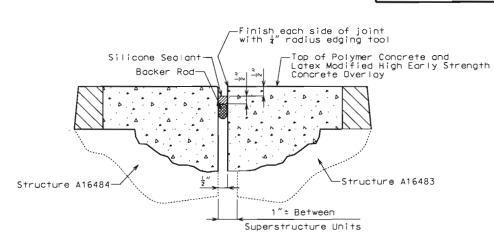
COUNTY GREENE

Polymer Concrete (Typ.)-½" Formed Jt. $1\frac{3}{4}$ " Latex Modified High Early Strength Concrete Overlay (Typ.)--Structure A16483 Structure A16484-1"± Between Temporary Forming Material Superstructure Units

** Polymer Concrete manufacturer's recommended depth.

WEARING SURFACE INSTALLATION AT LONGITUDINAL JOINT

(in area of existing longitudinal armor removal)



COMPLETED LONGITUDINAL JOINT

(in area of existing longitudinal armor removal)

Notes:

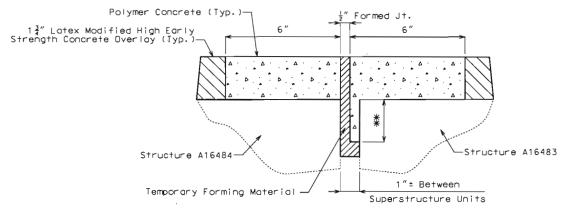
All temporary forming material shall be completely removed prior to sealing joint.

Silicone Expansion Joint shall be in accordance with Sec 717.40.

Polymer concrete shall be in accordance with Sec 623.

Cost of silicone expansion joint sealant will be considered completely covered by Structure A16483.

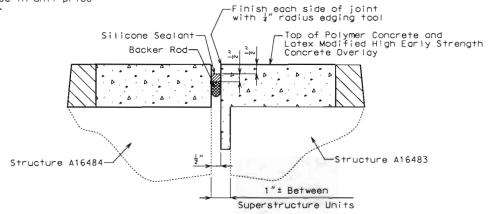
Removal of longitudinal armor shall be included in unit price bid for "Removal of Concrete Wearing Surface".



** Polymer Concrete manufacturer's recommended depth.

WEARING SURFACE INSTALLATION AT LONGITUDINAL JOINT

Ahead station from Bent No. 3 (no armor)



COMPLETED LONGITUDINAL JOINT Ahead station from Bent No. 3 (no armor)

LONGITUDINAL SILICONE EXPANSION JOINT

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

U.I.P. EXISTING (46'-60'-60'-36') CONTINUOUS CONCRETE VOIDED SLAB SPANS

BR. 744 MO JOB NO. J.852152 CONTRACT ID. 080822-801 PROJECT NO. FAF-1(3) & FAF 744-1(4) COUNTY GREENE SEC/SUR 9 TWP 29N RGE 21W

37'-0"± (Roadway Width) - Longitudinal Joint Install 13" Latex Modified High Remove existing concrete wearing surface, then remove by Total Surface Hydro Demolition ½" of sound concrete and all deteriorated concrete Early Strength Concrete Overlay-Existing Median Curb (to be removed)-Match Exist. Grade Minus 13"±--Structure A16483 Repairing Concrete Deck (Half-Soling)

SECTION THRU SLAB

General Notes:

Design Specifications:

2002 - AASHTO 17th Edition Bridge Deck Rating = 6

Design Loading:

H20-44 (1965), HS20-44 (New Const.)

Design Unit Stresses:

Class B-2 Concrete

Dimensions:

Contractor shall verify all dimensions in field before ordering new material.

Traffic Control:

Maintain one lane of traffic over structure during construction. (See roadway plans for traffic control).

Outline of old work is indicated by light dashed lines. Heavy

Miscellaneous:

lines indicate new work.

Roadway surfacing adjacent to bridge ends to match bridge deck (Rdwy. Item).

f'c = 4.000 psi

The contractor shall exercise care to ensure spillage over joint edges is prevented and that a neat line is obtained along any terminating edge of the latex modified high early strength concrete overlay.

COMPILED BY: Berning Mr. 6-870

All exposed edges of overlay shall have a $\frac{1}{4}$ " radius, unless otherwise noted.

"Sec" refers to the sections in the standard and supplemental specifications unless specified otherwise.

-Wearing Surface ② (Typ.)-Existing Longitudinal Steel ———— -Existina Transverse Steel -Repairing Concrete Deck (Half-Soling) (See Sec 704)

FINAL PLANS

HALF-SOLED AREA

- Remove existing wearing surface plus 1/2" of bridge deck by Total Surface Hydro Demolition.
- One inch vertical side shall be established outside the deteriorated area. See Sec 704.
- \bigcirc 1-3/4" (min.) Latex Modified High Early Strength Concrete Overlay.

Estimated Quantities				
Item		Total		
Removal of Concrete Wearing Surface	sq. foot	7558	V	
Removal of Median Curb	linear foot	140	~	
Silica Fume High Early Strength Concrete Wearing Surface	*(5104) sq. yard	851	V	
Polymer Concrete	cu. foot	0	/	
Repairing Concrete Deck (Half-Soling)	sq. foot	5067	V	
Total Surface Hydro Demolition	sq. yard	0	~	
Clean and Epoxy Seal	sq. foot	2287	~	
Stirrups	* (5103) Each	296	/	
Slab Edge Repair	*(5108)Sg. foot	60	~	
Superstructure Repair	* (5109) Sg⋅ foot	118	/	
Moblization for Edge Repair & Extra Work	*(5110)LUMP SUM	1	~	
LATEX MODIFIED HIGH EARLY STRENGTH CONCRETE WEARING SURF	ACE (LINE NO.1560)	0	~	

* Contingent Items

REPAIRS TO BRIDGE OVER RTE. 65

STA. 112+72.15 ± (Match Exist.)

STATE ROAD

STD. STD. STD. STD. A16484

CHECKED BY: Timothy

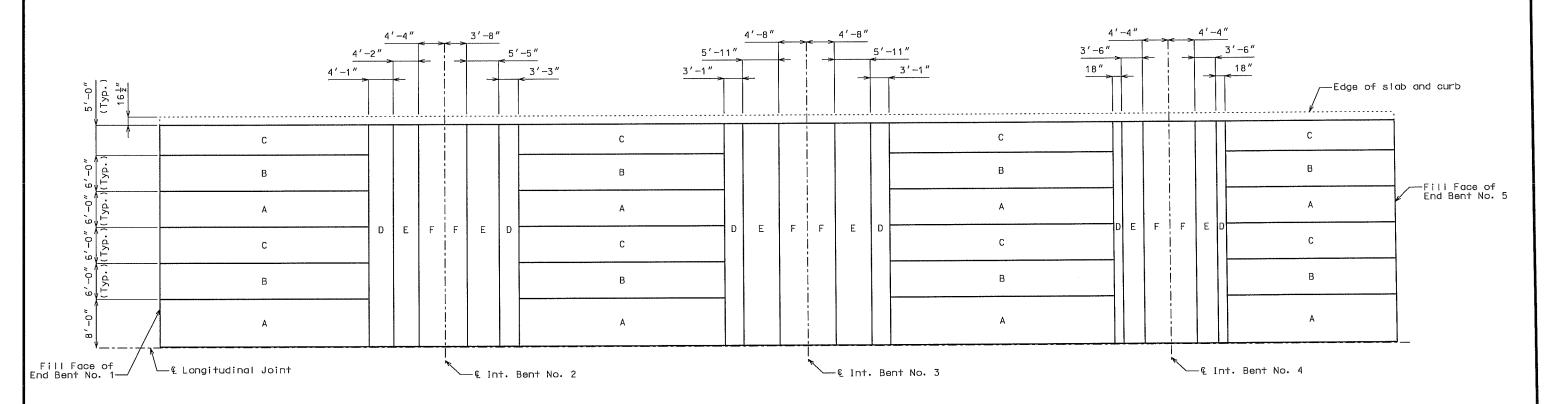
Sheet No. 1 of 4.

Designed Detailed June 2008

Note: This drawing is not to scale. Follow dimensions.

FINAL PLANS

BR MO 744 ~2 JOB NO. J8\$2152 CONTRACT ID. Q80822-801 PROJECT NO. FAF-1(3) & FAF 744-1(4) COUNTY GREENE DATE



PLAN OF SLAB SHOWING SPECIAL REPAIR ZONES

Note:

Cold Milled material and concrete deck repair shall be completed in alphabetical sequence beginning with Repair Zone "A". Repair zone requirement does not apply to scarification.

Removal and repair shall be completed in one repair zone and concrete shall have attained a compressive strength of 3200 psi before work can be started in the next repair zone. Before placing concrete in areas adjacent to areas of subsequent repair, the concrete shall be separated with a material such as polyethylene sheets to aid in repair. in removal of old concrete.

Zones with the same letter designation may be repaired at the same time except for the zones directly adjacent to the centerline of bent. If either of the zones adjacent to centerline of bent has a single repair area of over 10 square feet or a total repair area of over 20 square feet, that zone shall be repaired before removing concrete in the other zone of the same designation at that bent.

Except for the repair zone requirement for the zones directly adjacent to the centerline of bent, if any single repair area in Repair Zone "D" or "E" does not exceed 9 square feet in size and the total repair within a repair zone does not exceed 27 square feet, the repair zone requirement does not apply for that zone. Half-soling repair in a repair zone shall be to a depth that will not expose half the diameter of the longitudinal reinforcing bar. Full depth repair shall be made when removal of deteriorated concrete exposes half or more of the diameter of the longitudinal reinforcing bar.

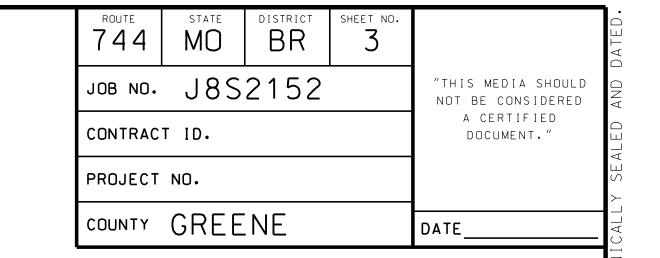
COMPILED BY: Bermif Man 6-7870

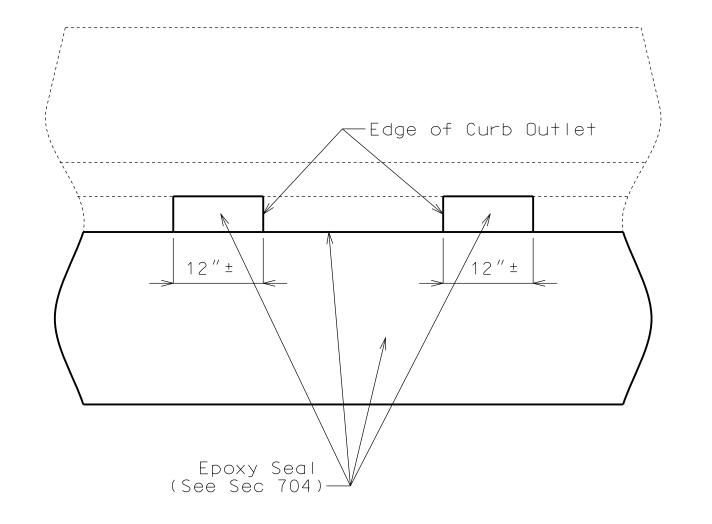
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A16484

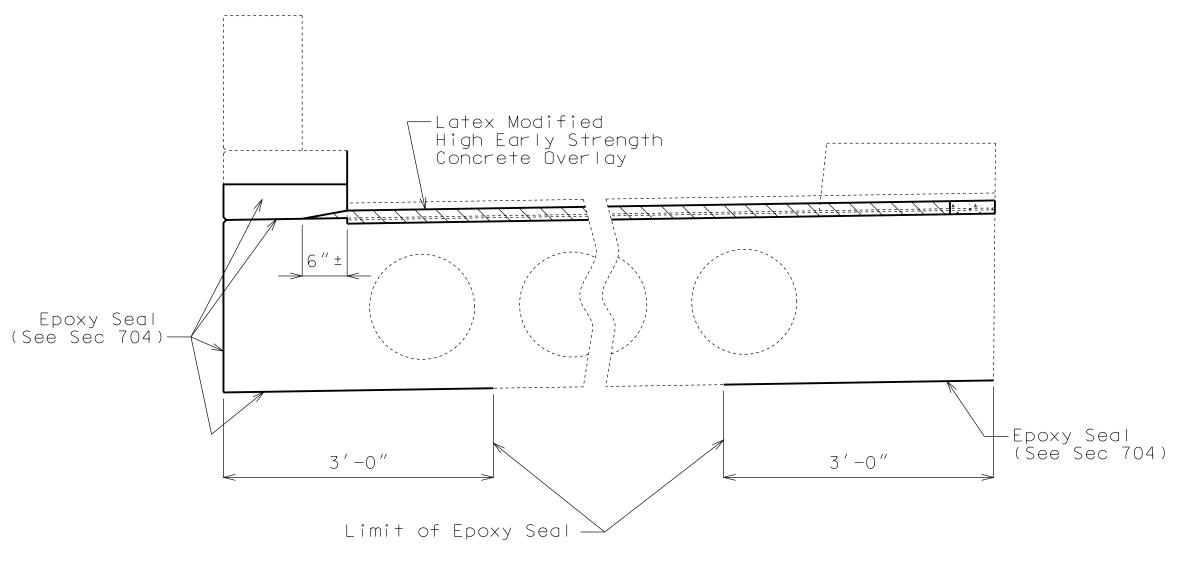
Detailed June 2008

Checked

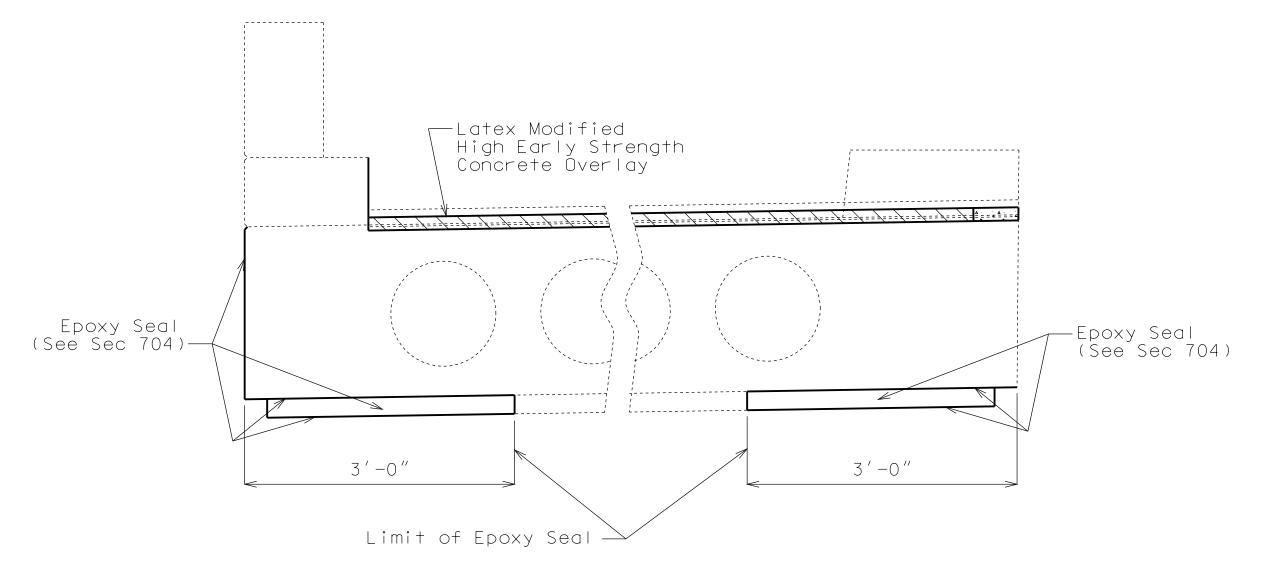




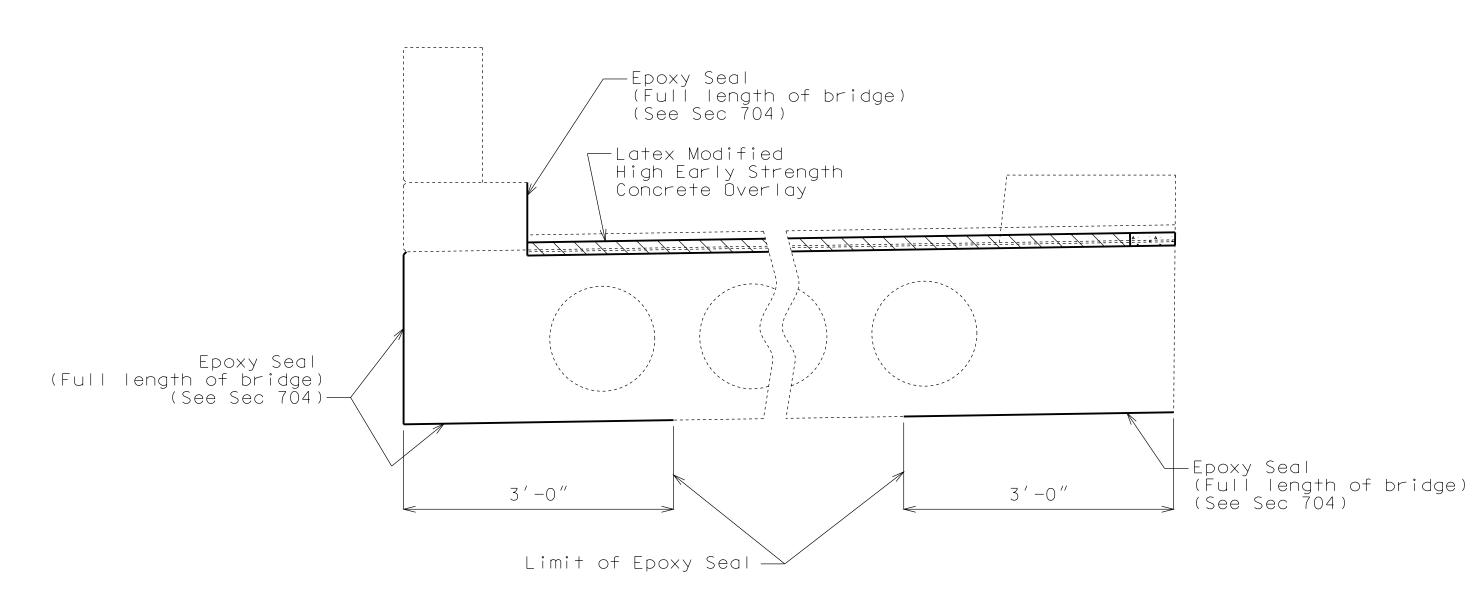
TYPICAL ELEVATION OF EXISTING CURB SHOWING OUTLET



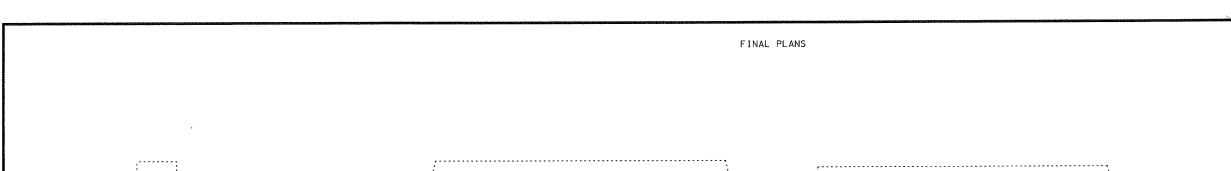
TYPICAL PART SECTION THRU
SLAB SHOWING EXISTING CURB OUTLET

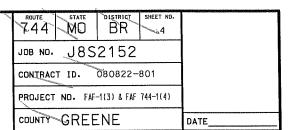


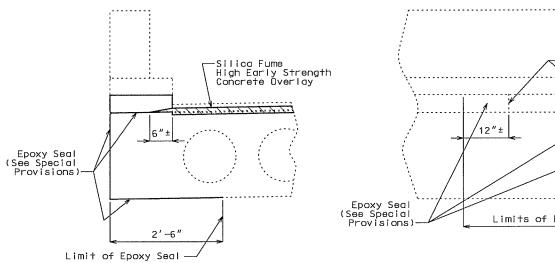
TYPICAL PART SECTION THRU SLAB SHOWING DROP PANEL AREA AT INT. BENT NOS. 2 & 4



TYPICAL PART SECTION THRU SLAB





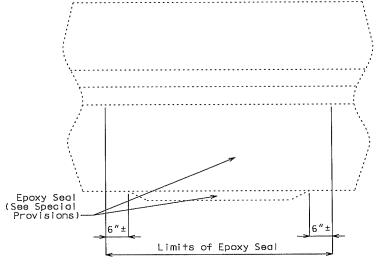


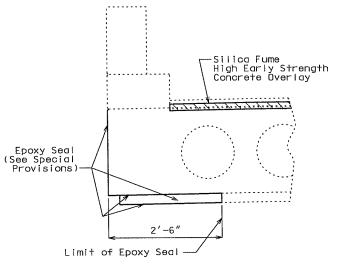
Edge of Curb Outlet

12"±

12"±

Limits of Epoxy Sedl



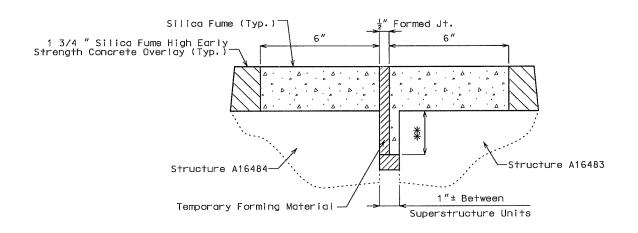


TYPICAL SECTION OF EXISTING CURB SHOWING OUTLET

TYPICAL ELEVATION OF EXISTING CURB SHOWING OUTLET

TYPICAL ELEVATION OF EXISTING CURB SHOWING DROP PANEL AREA AT INT. BENT NOS. 2 & 4

TYPICAL SECTION OF EXISTING CURB SHOWING DROP PANEL AREA AT INT. BENT NOS. 2 & 4



Silicone Sealant—

Backer Rod—

High Early Strength
Concrete Overlay

Structure A16484

Structure A16484

Structure Units

COMPLETED JOINT

**Silica Fume manufacturer's recommended depth.

WEARING SURFACE INSTALLATION AT JOINT

Notes:

All temporary forming material shall be completely removed prior to sealing joint.

Silicone Expansion Joint shall be in accordance with Sec 717.40.

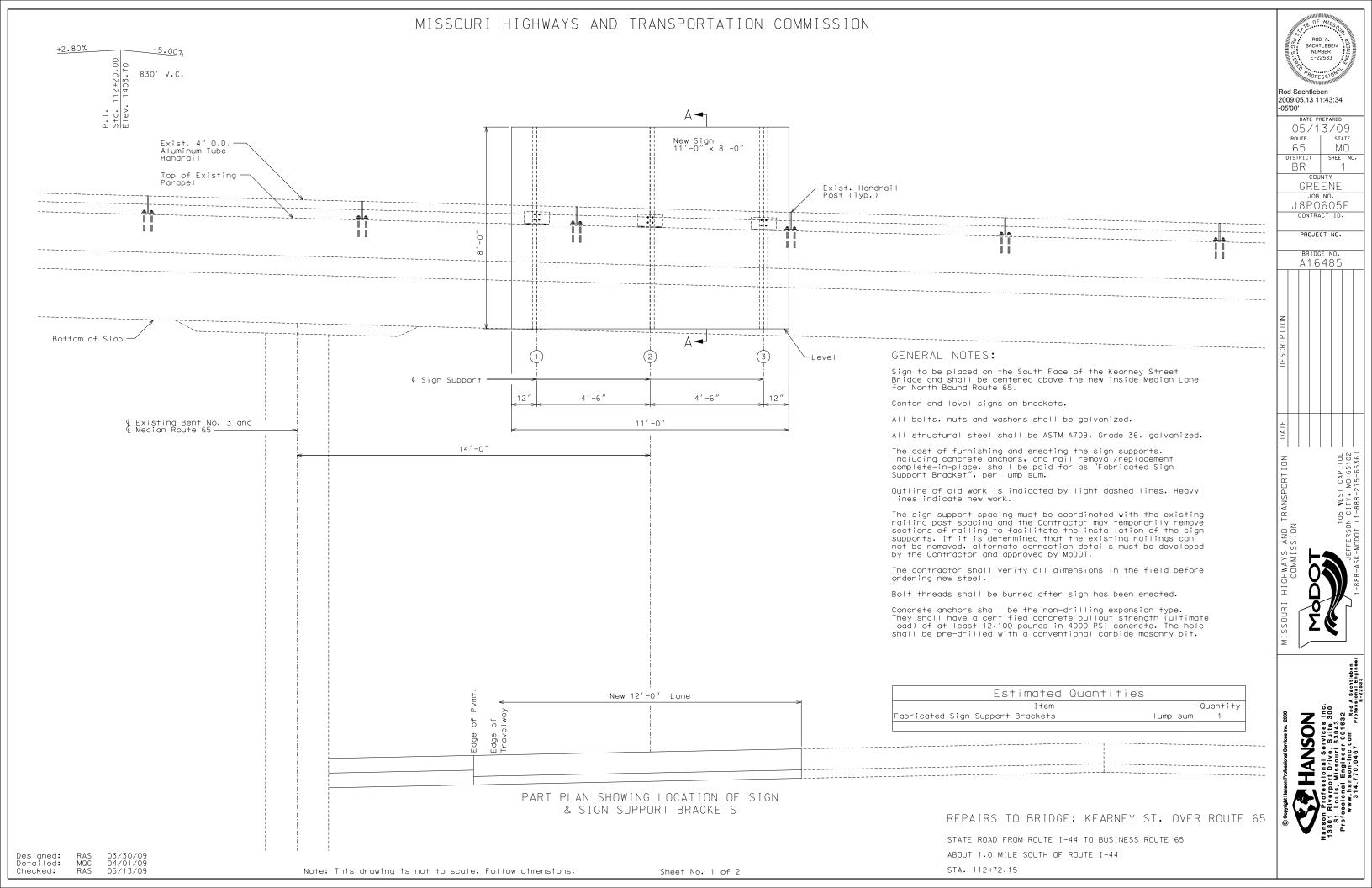
Silica Fume shall be in accordance with Sec 505.30.

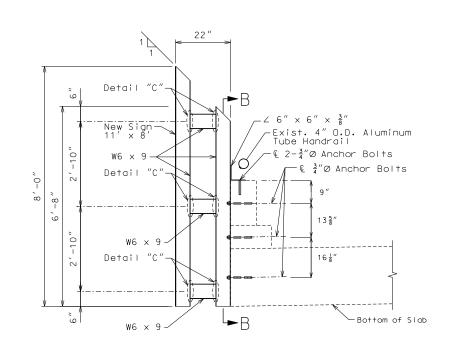
Cost of silicone expansion joint sealant will be considered completely covered by Structure A16483.

OMPILED BY: Bernief Mrs 6-18-70

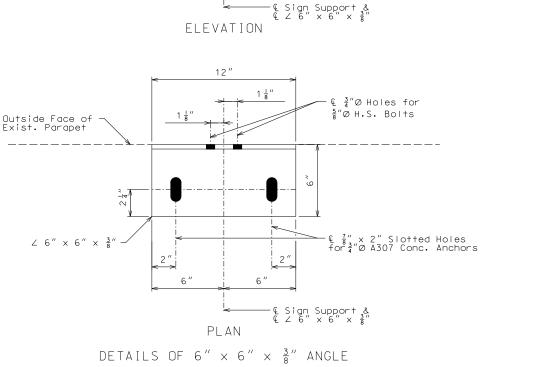
LONGITUDINAL SILICONE EXPANSION JOINT

CHECKED BY 2 AM D 6/21/10





SECTION A-A

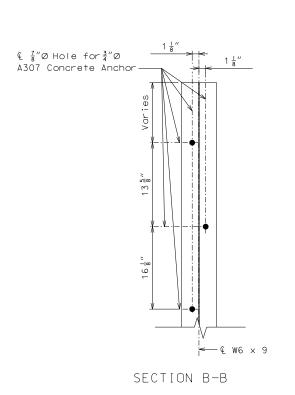


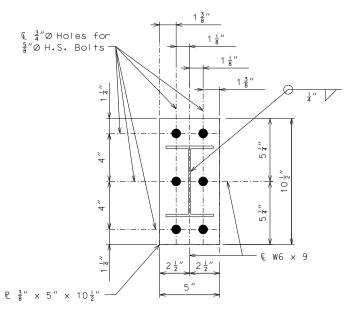
 $\mathbb{Q} \frac{3}{4}$ % Holes for

5″Ø H.S. Bolts

-Top of Exist. Parapet

 ℓ $\frac{7}{8}$ $\frac{7}{3}$ $^{\prime\prime}$ X 2 $^{\prime\prime}$ Slotted Holes for $\frac{3}{4}$ $^{\prime\prime}$ Ø A307 Conc. Anchors





ROD A. SACHTLEBEN NUMBER E-22533

Rod Sachtleben 2009.05.13 11:43:33 -05'00'

ROUTE 65

BR

05/13/09

GREENE

JOB NO.
J8P0605E
CONTRACT ID.

PROJECT NO.

BRIDGE NO. A16485

PHANSON
On Professional Services Inc.
On Riverport Drive, Suite 300
St. Louis, Missouri 63043
ofessional Engineer 001632
www.hanson-inc.com Rod A Sachtieben
314.770.0467 Professional Engineer

STATE MO SHEET NO.

DETAIL "C"

 \angle 6" \times 6" \times $\frac{3}{8}$ " \sim

MEMORANDUM



Missouri Department of Transportation Bridge Division Central Office

TO:

Gayle Davis-SW (Project Office)

CC/ATT:

Becky Baltz - SW Dave Ahlvers - cm John Gahagan - br

Chad Daniel - br Bill Dunn - br

Kent Nelson - br (2)

FROM:

Joyce Foster UF

Structural Liaison Engineer

DATE:

August 24, 2011

SUBJECT:

Greene County, Route 65

Structure A16485 Job No. J8P0605E Letting Date 6/26/2009 Construction Plan Changes

The following plan sheets have been placed in sharepoint in adobe acrobat format. Enclosed is one half-size copies of these plan sheets:

Bridge A16485-

Voided - 1

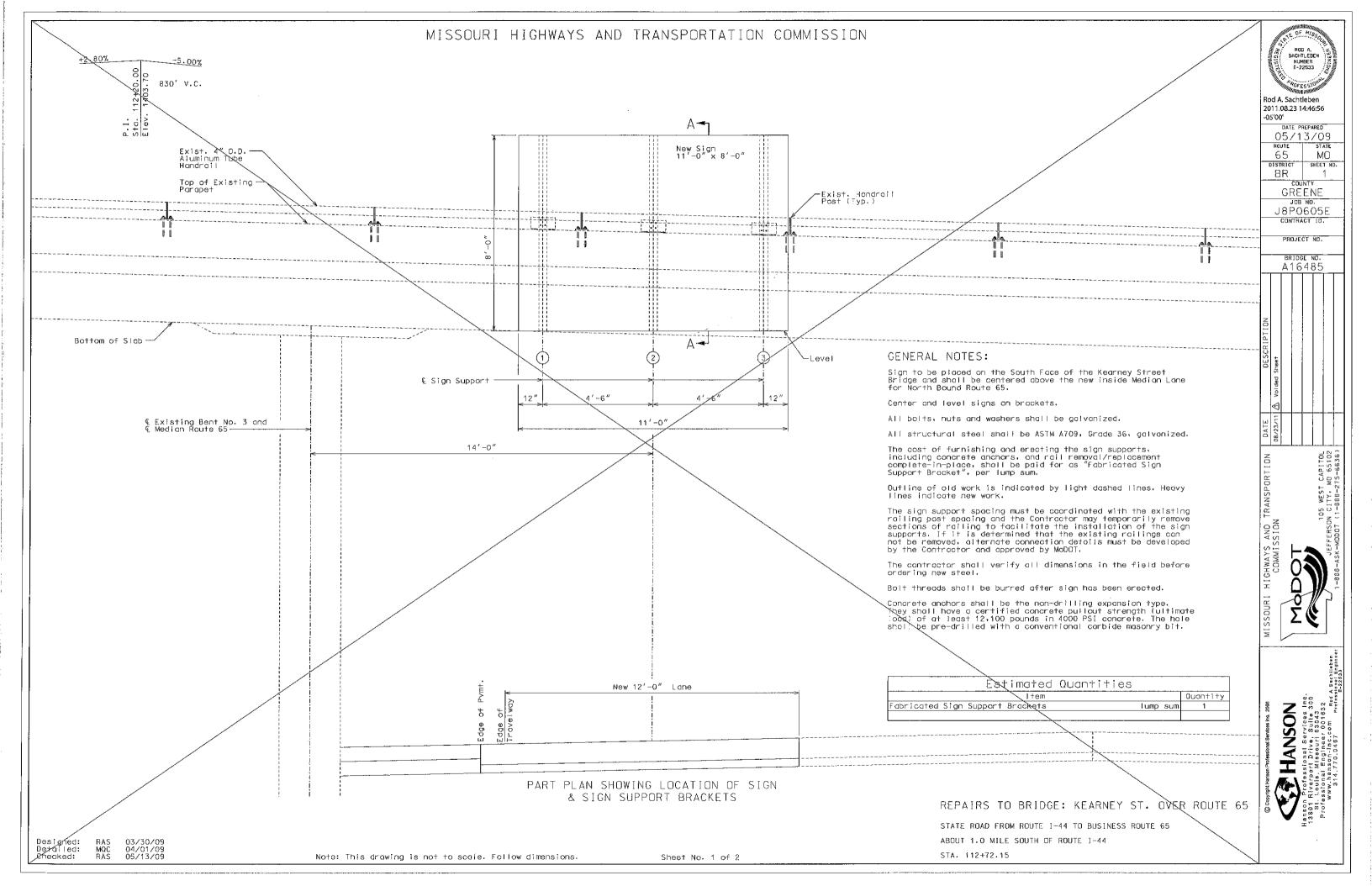
New Sheet - 1A, 2A

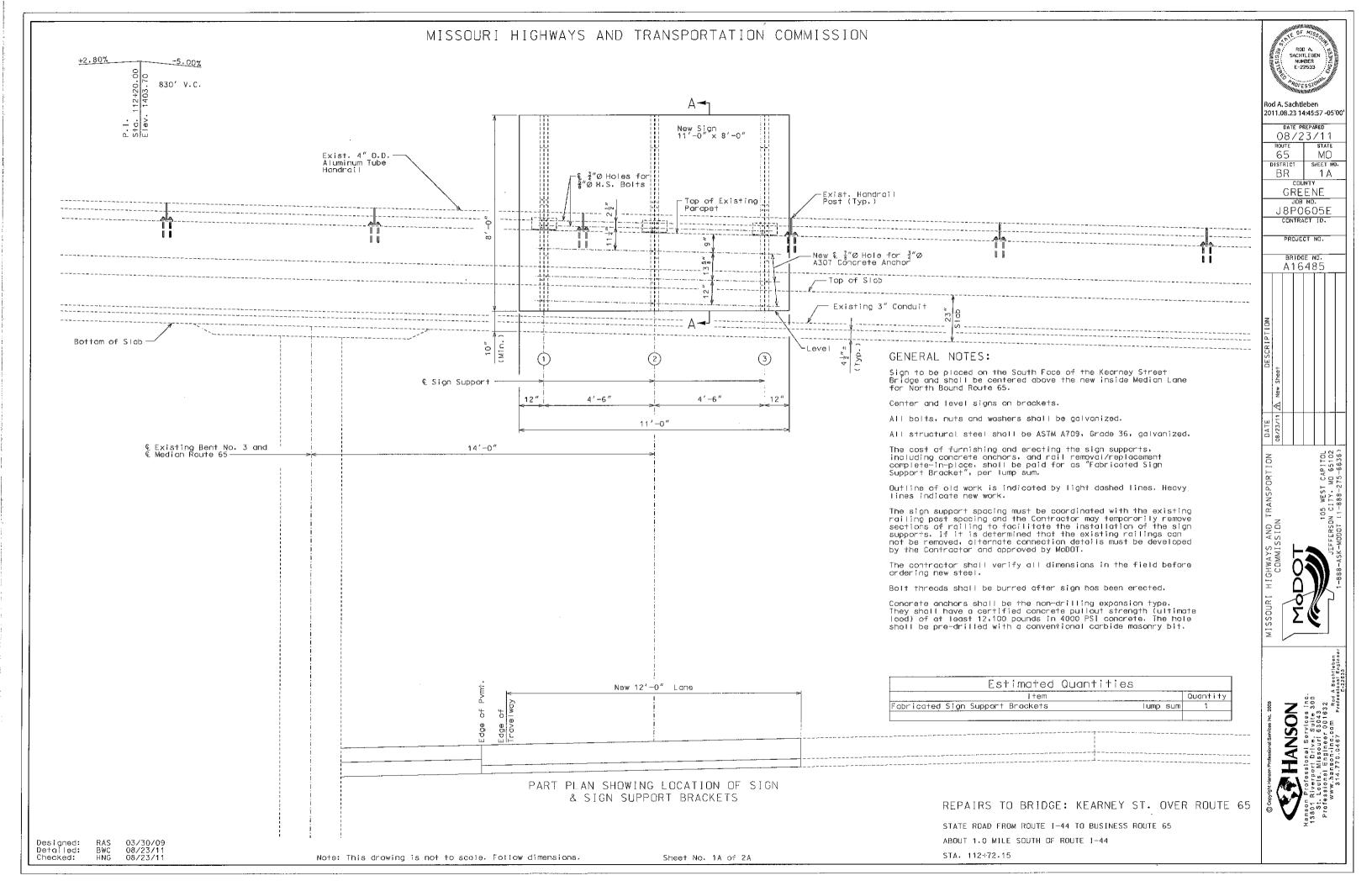
This change order was required because there was an existing 3 inch conduit located on the bridge, and the sign had to be moved up to miss this conduit.

Change requested by your office.

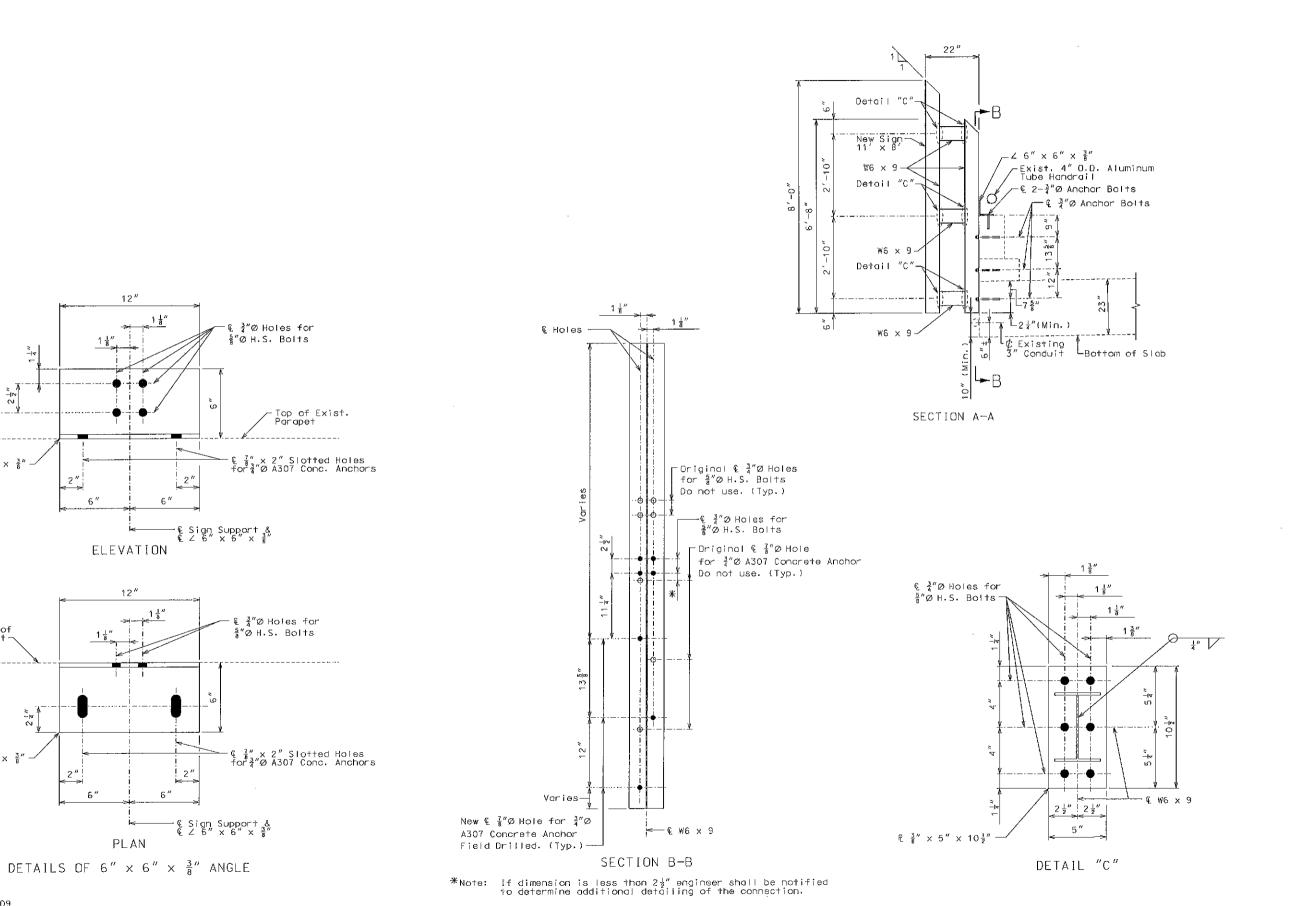
If you have questions or comments, please call me at (573) 751-3707.

J:/fostej/construction change 8





MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



Designed: Detailed: Checked:

03/30/09 08/23/11 08/23/11 RAS BWC HNG

PLAN

Outside Face of Exist. Parapet

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 2A of 2A

Rod A. Sacht<mark>l</mark>ebei 2011,08.23 14:46:27 -05'00' DATE PREPARED 08/23/11

65 MO MEET N COUNTY BR

GREENE JOB NO. J8P0605E

PROJECT NO.

BRIDGE NO. A16485

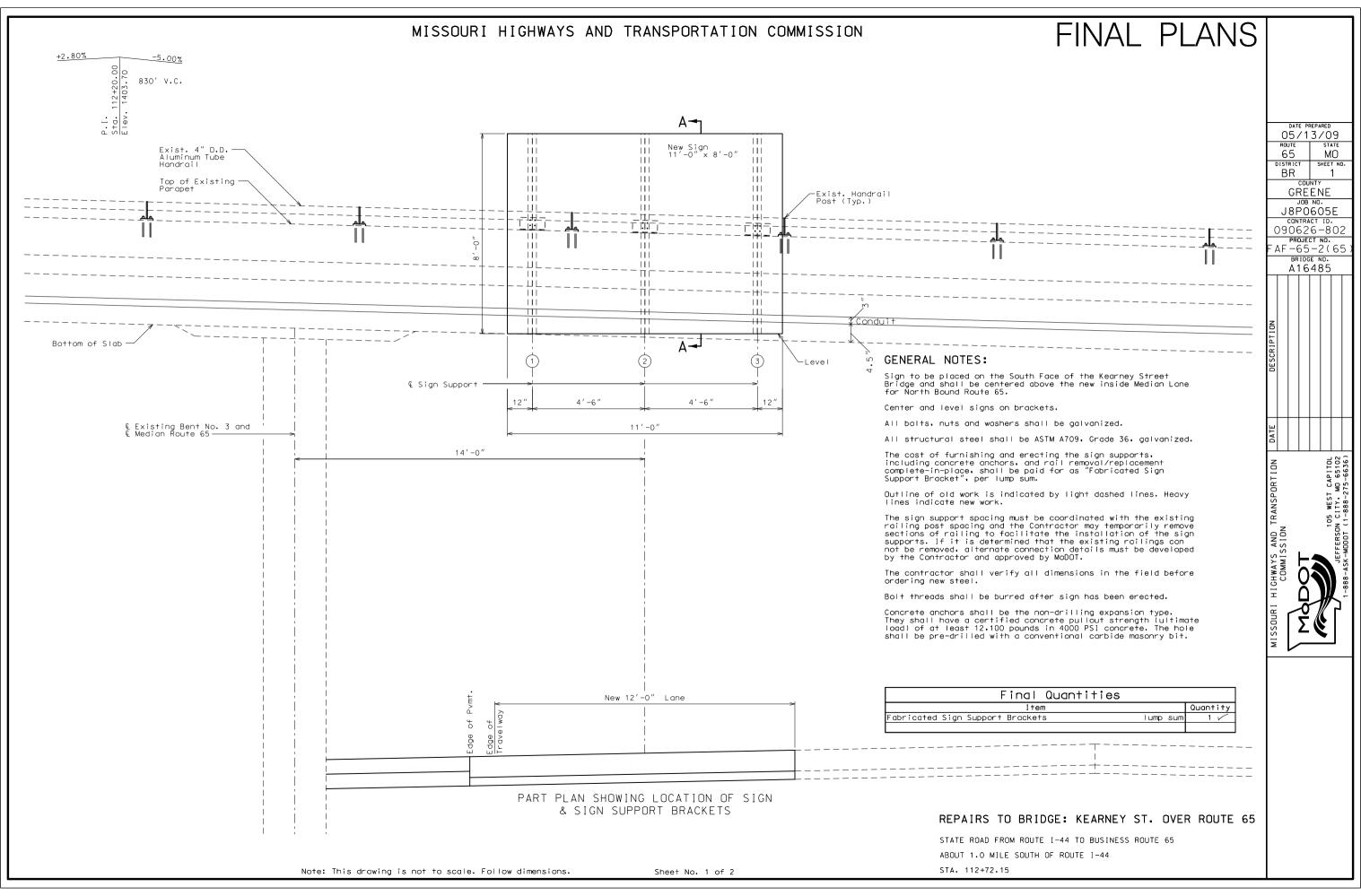
Merchanis Hanson

on Frofessional Services Inc.

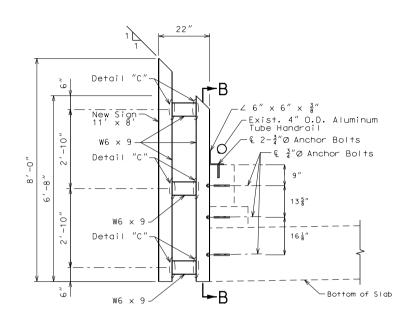
Riverport Drive, Sulta 300

31. Louis, Missouri 63043

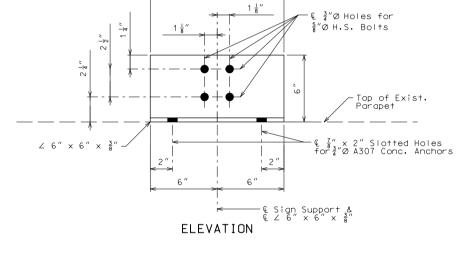
ofessional Engineer 001632

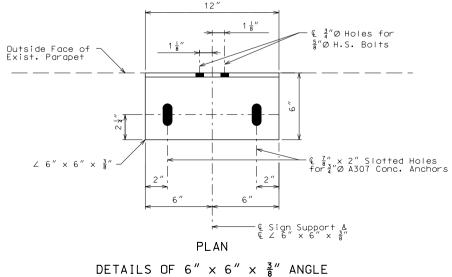


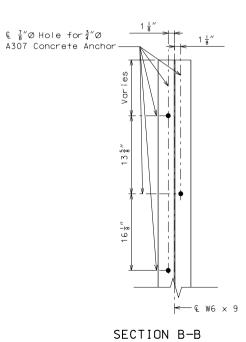
FINAL PLANS

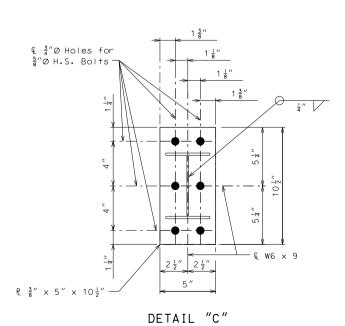


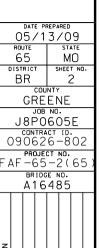
SECTION A-A



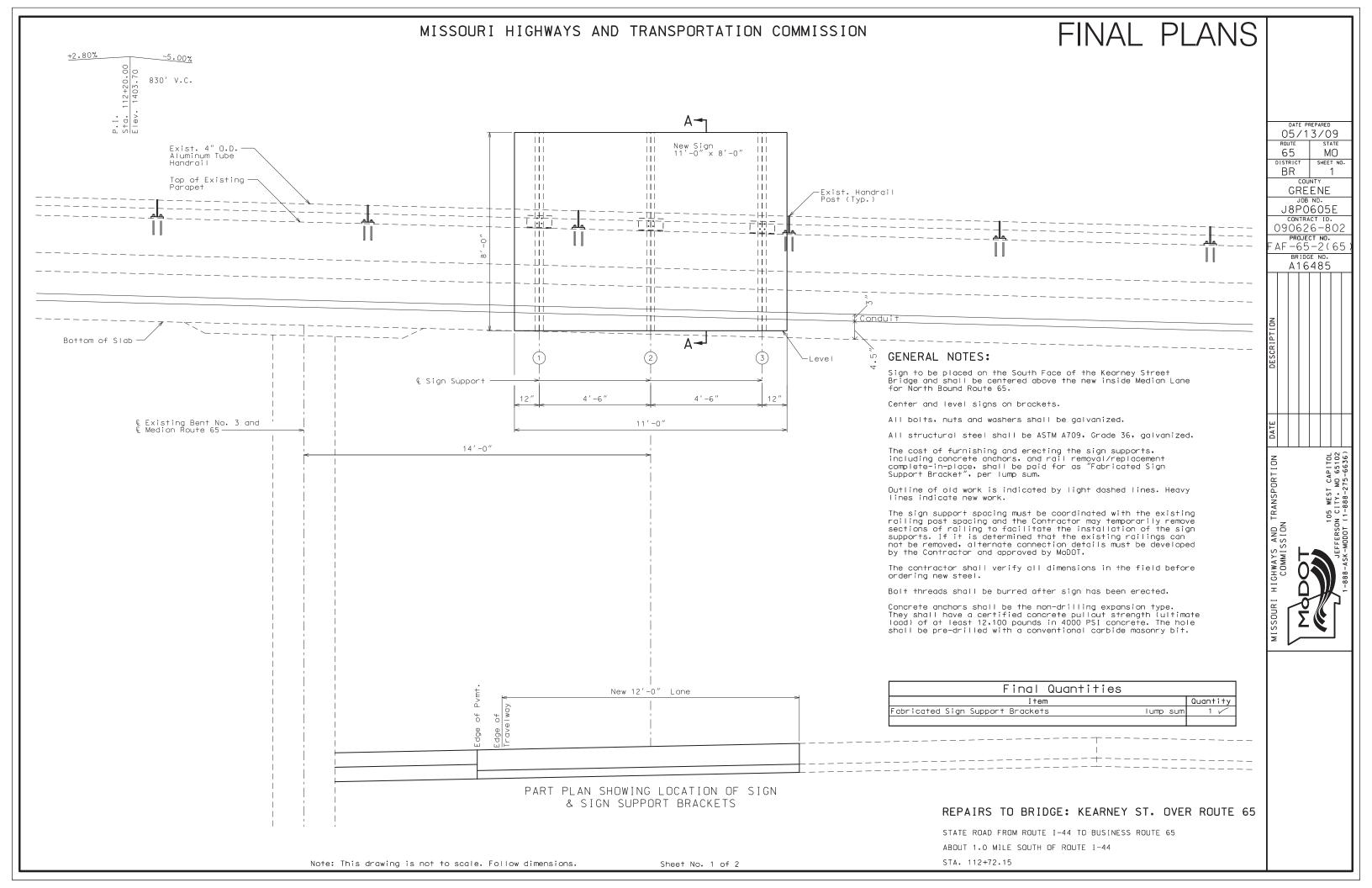




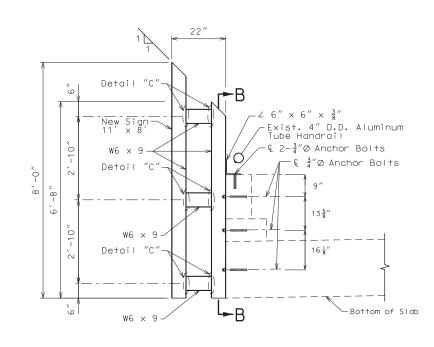




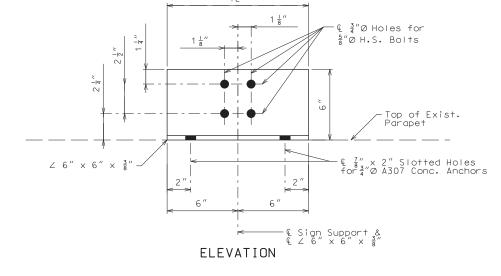


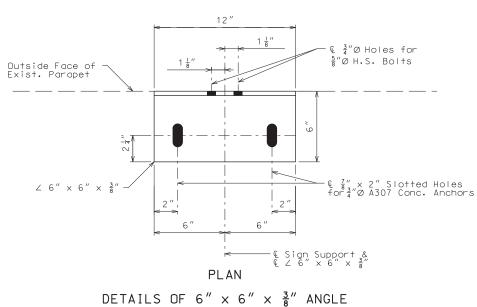


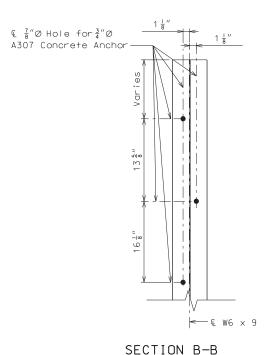
FINAL PLANS

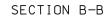


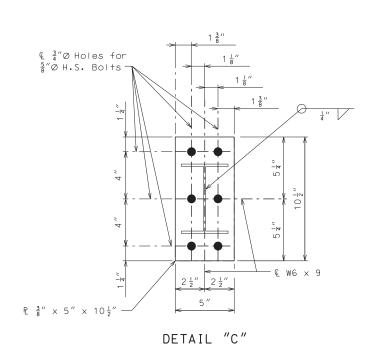
SECTION A-A











JOB NO. J8P0605E CONTRACT ID. 090626-802 PROJECT NO.

FAF -65-2 (65

BRIDGE NO.

A16485 MISSOURI HIGHWAYS AND TRANSPORTION COMMISSION

05/13/09

GREENE

DISTRICT BR

MO

SHEET NO