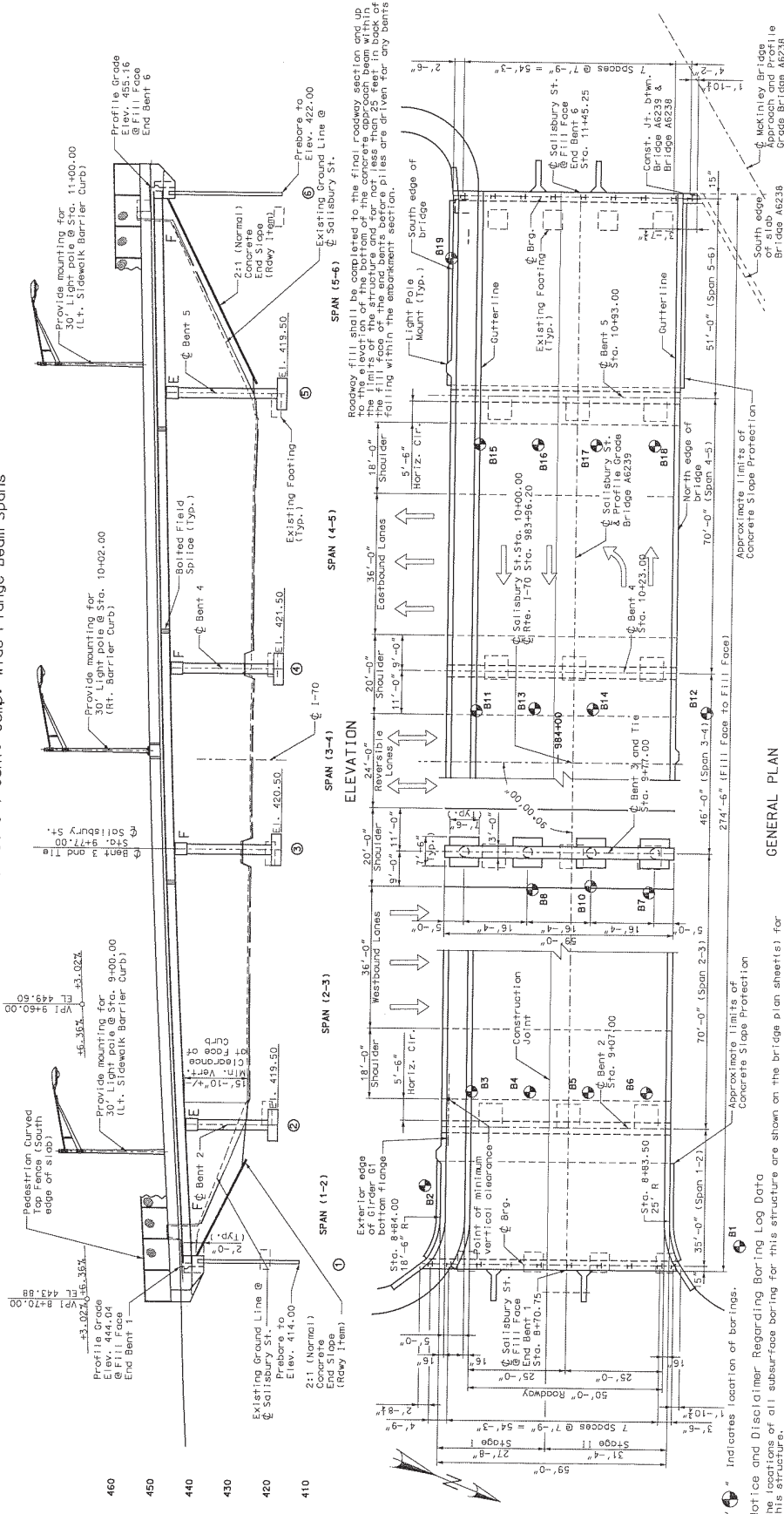


(35.0'-70.0'-46.0'-70.0'-51.0') Cont. Comp. Wide Flange Beam Spans



in no case shall top of footing elevations at bent no's 2 and 3 be higher than 425.16.

B.M. #22 * Book 1-423, Pg. 34
"m" on stone curb on S.W. side of intersection
of Salisbury and 11th St., S. +/- S.E. of traffic
signal control box #755 bk. pg. 64 Elev. 457.02

B.M. #23 "n" open on fireplug of S.W. corner of Broadway
and Salisbury, B.M. is on Broadway Elev. 428.58

Designed: JWC
Detailed: JDG
Checked: KCK

NOTE: DO NOT SCALE THIS DRAWING, FOLLOW DIMENSIONS

Sheet No. 2 of 41 J

CITY OF ST. LOUIS, MO

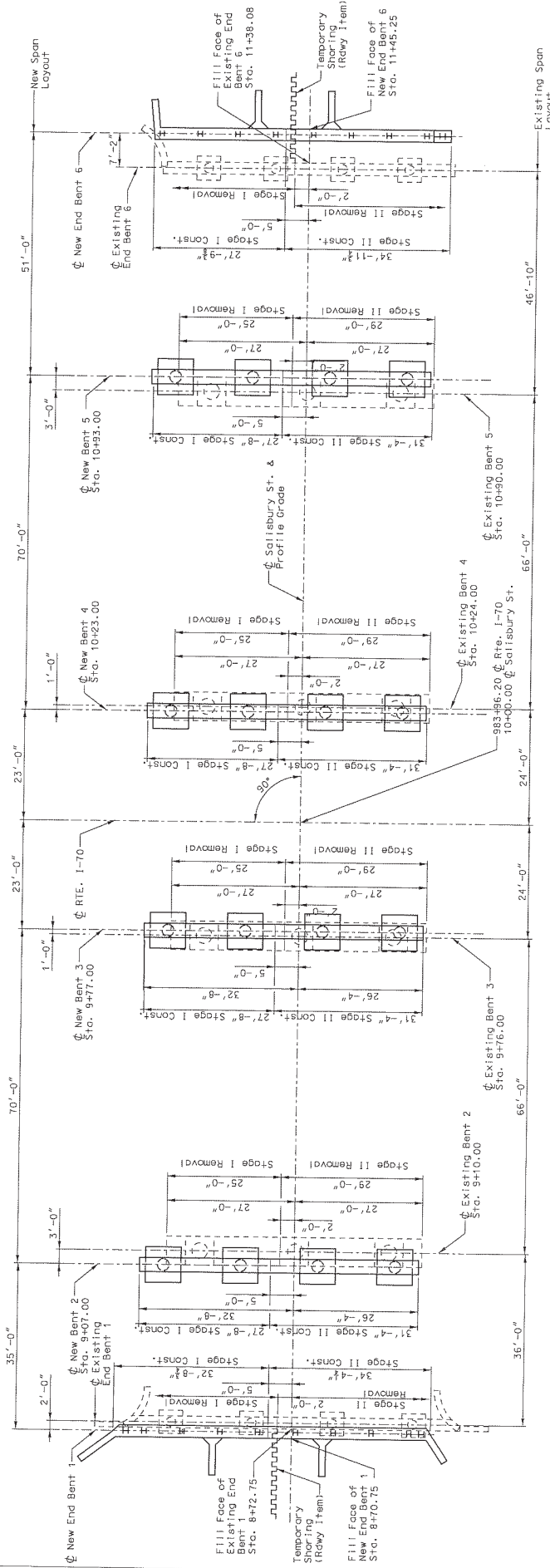
PM 01/17/2006

PM 01/17/2006

MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

CONTRACT ID: 00119-604 I-70-512821	State MO	Proj. No. J61376	Sheet No. A6239
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FINAL PLANS



PLAN

NOTES:

- All dimensions are measured horizontally.
- Staged construction will require the use of temporary shoring (Rowy Item).

FOR INFORMATION ONLY

SALISBURY BRIDGE OVER I-70
DETAILS OF STAGE CONSTRUCTION
SUBSTRUCTURE LAYOUT



Designed: ZGC
Detailed: AAA
Checked: JMC

Sheet No. 7 of 41

NOTE: DO NOT SCALE THE DRAWING; FOLLOW DIMENSIONS

CITY OF ST. LOUIS, MO

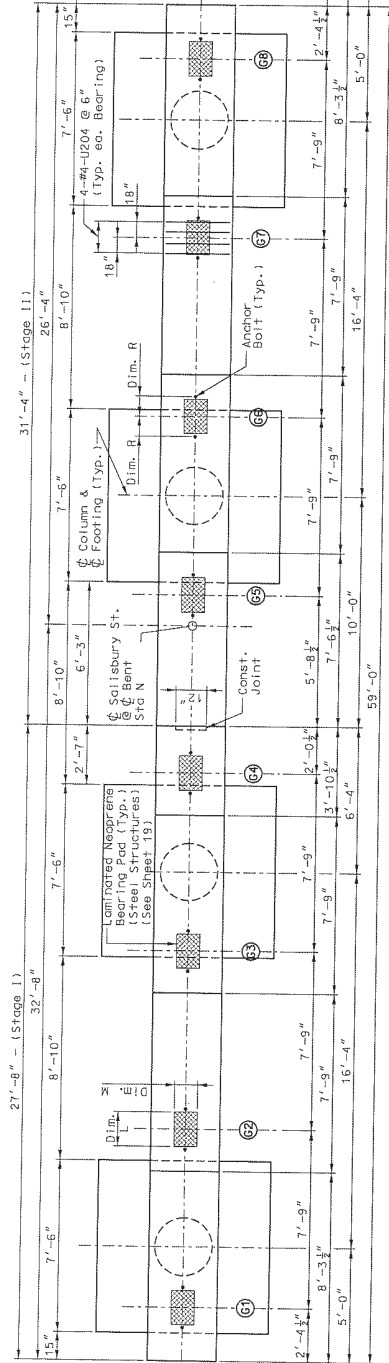
A6239

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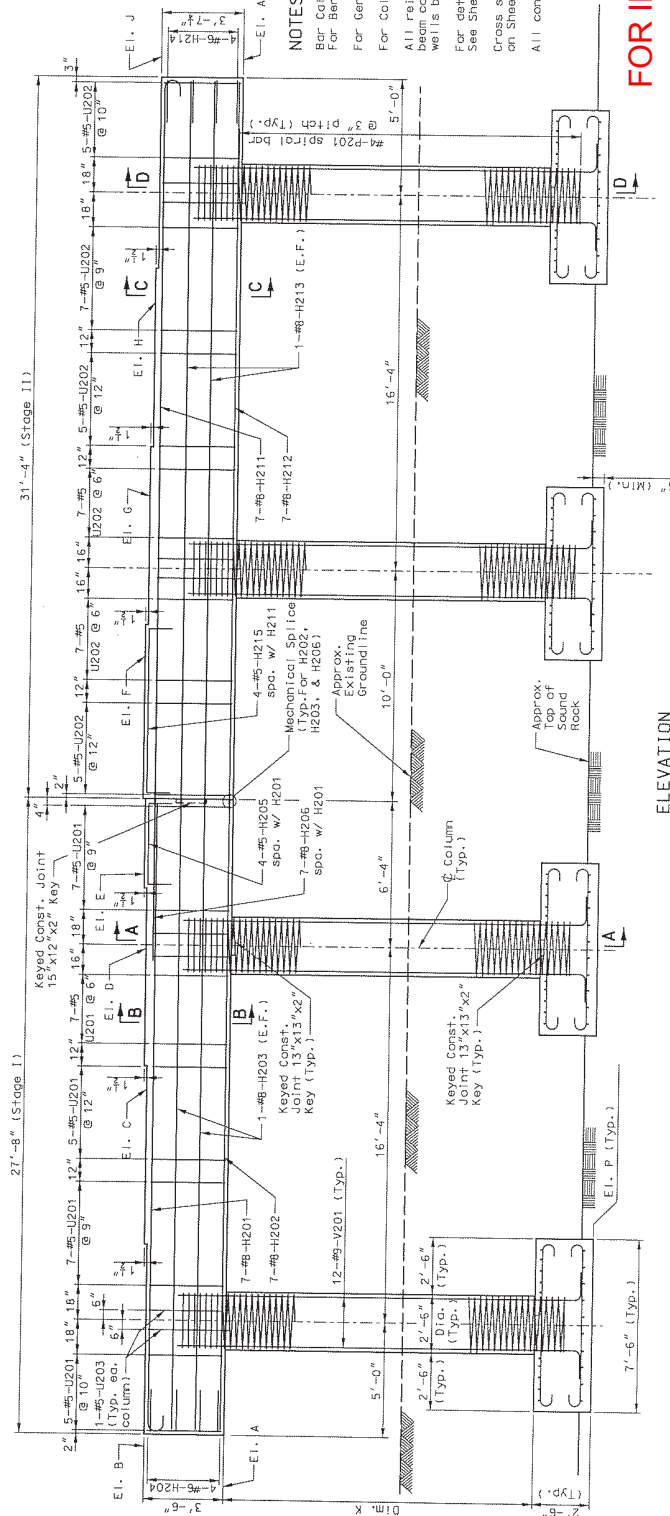
MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

CONTRACT LD. 01019-604
I-70-5(282)
State MO
Proj. No. J61376
Sheet No.

FINAL PLANS



PLAN



ELEVATION

Bent No.	2	3
Dim. A	438.75	442.48
Dim. B	442.29	445.98
Dim. C	442.41	446.10
Dim. D	442.54	446.22
Dim. E	442.66	446.34
Dim. F	442.78	446.46
Dim. G	442.90	446.58
Dim. H	443.02	446.70
Dim. I	443.14	446.82
Dim. J	443.26	446.94
Dim. K	443.38	447.06
Dim. L	443.50	447.18
Dim. M	443.62	447.30
Dim. N	443.74	447.42
Dim. O	443.86	447.54
Dim. P	443.98	447.66
Dim. Q	444.10	447.78
Dim. R	444.22	447.90

NOTES:

- Bar Callouts shown on this sheet are for Bent 2. For Bents 3 thru 5 use series 300, 400, and 500.
- For General Plan and Elevation. See Sheet No. 2.
- For Column and Footing details. See Sheet No. 13.
- All reinforcing bars in the top of substructure beam cap shall be lapped to clear anchor bolts walls by at least 1/2".
- For details and layout of Anchor Bolt Wells. See Sheet No. 19.
- Cross sections A-A, B-B, C-C, and D-D are shown on Sheet No. 13.
- All concrete shall be Class B with $f_c' = 3000$ psi.

FOR INFORMATION ONLY

SALISBURY BRIDGE OVER I-70

INTERMEDIATE BENTS 2 THRU 5
PLAN AND ELEVATIONS

CITY OF ST. LOUIS, MO

A6239

Designed: GGG
Detailed: GGG
Checked: KCK

HORNER & SHUFER INC.
ENGINEERS & ARCHITECTS
ST. LOUIS, MISSOURI

Sheet No. 12 of 41

NOTE: DO NOT SCALE THIS DRAWING FOLLOW DIMENSIONS

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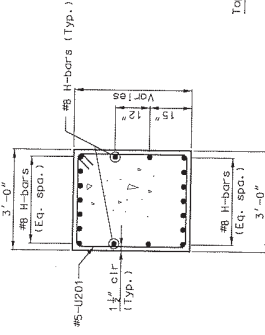
MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

CONTRACT I.D. 0019-404-1
1-70-5282) **State** MO **Proj. No.** J61376 **Sheet No.** A6239

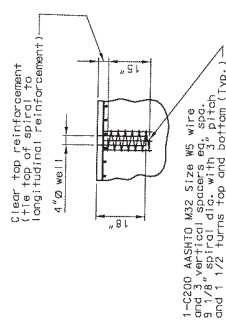
FINAL PLANS

NOTES:

- Bar Callouts shown on this sheet are for Bent 2. For Bents 3 thru 5 use series 300, 400, and 500.
- For Plan and Elevation of Intermediate Bents, see Sheet No. 12.
- Lapping of spiral reinforcement in this region is not permitted.
- The top of spiral shall extend 1 1/2" above the column connection into the beam cap.

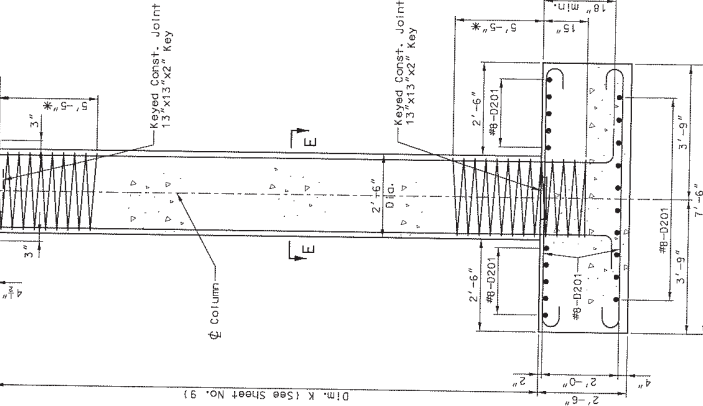


SECTION B-B
SECTION (C-C) SIMILAR

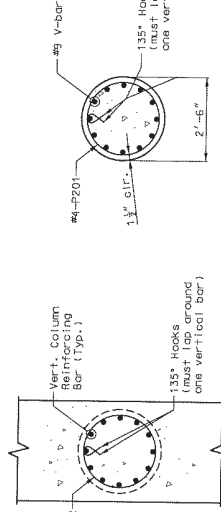


DETAIL OF
ANCHOR BOLT WELLS

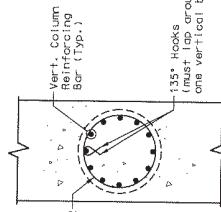
Note: Shift reinforcing as needed to clear anchor bolt well by 1/2" (min.)



SECTION A-A
SECTION (D-D) SIMILAR



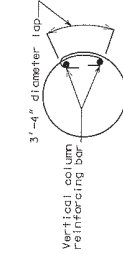
SECTION E-E



SECTION F-F
DETAIL OF SEISMIC STRIP BAR



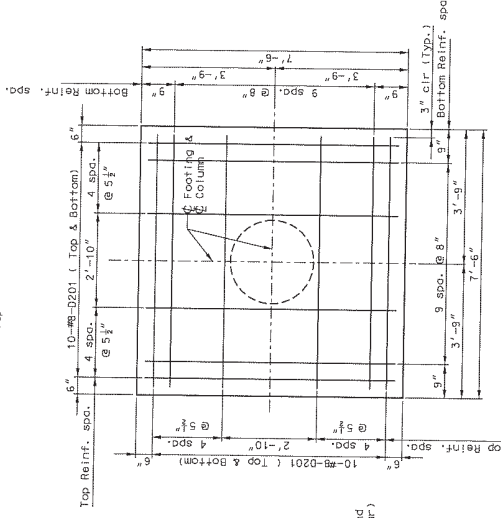
DETAILS OF 135\"/>



Vertical column reinforcing bar

ANCHOR SPLICES IN SPIRAL AROUND VERTICAL BAR
(USE FOR INTERMEDIATE SPLICES OF SPIRALS)

FOOTING PLAN



SUBSTRUCTURE QUANTITY TABLE BENT 2, 3, 4, & 5					
Item	Quantity	Bent 2	Bent 3	Bent 4	Bent 5
Class 1 Excavation	cu. yd.	130.5	130.5	130	130
Class 1 Excavation in Rock	cu. yd.	130.5	130.5	130	130
Class 2 Concrete (Substructure)	cu. yd.	130.5	130.5	130	130
Reinforcing Steel (Bridges)	pounds	13,463	13,463	13,370	13,370
Mechanical Bar Splices		18	18	18	18

FOR INFORMATION ONLY

SALISBURY BRIDGE OVER I-70
INTERMEDIATE BENTS 2 THRU 5
TYPICAL DETAILS

CITY OF ST. LOUIS, MO

Sheet No. 13 of 41

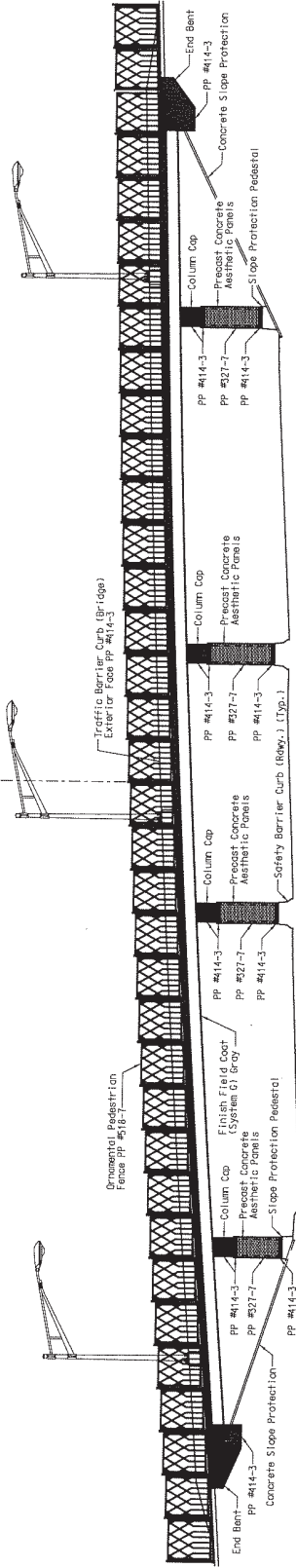
NOTE: DO NOT SCALE THE DRAWING, FOLLOW DIMENSIONS

HORNER &
SHERIN, INC.
ENGINEERS & ARCHITECTS & PLANNERS
ST. LOUIS, MO 63101

Designed: GGG
Detailed: GGG
Checked: KCK

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Ornamental Pedestrian Fence - Panel "A",
see Sheet No. 7004/1.
Ornamental Pedestrian Fence - Panel "B",
see Sheet No. 7004/2.



TYPICAL BRIDGE ELEVATION
(3 Span Bridge Shown for Illustration Purposes Only)

FINAL QUANTITIES			
Item	Substr.	Superstr.	Total
Line #003, Intermediate Field Coat (System G1 Gray)	sq. foot		19,400
Line #004, Finish Field Coat (System G1 Gray)	sq. foot		2,500
Line #006, Aesthetic Concrete Face Panels	sq. foot		728
Line #007, Aesthetic Concrete Stain	sq. foot		7,665
Line #008, Ornamental Pedestrian Fence	lin. foot		280
Line #009, Sidewalk Surface Treatment	sq. foot		545
Line #010, Conduit System on Structure	lump sum		1
Line #012, Graffiti Protection System	lump sum		1

AESTHETIC COLOR CHART

Bent System	Finish Field Coat (System G1 Gray)	Finish Field Coat (System G1 Gray)	Finish Field Coat (System G1 Gray)	Finish Field Coat (System G1 Gray)	Finish Field Coat (System G1 Gray)
Column Cap	X				
Columns	X				
End Bents	X				
Exterior Beams	X				
Traffic Barrier Curb (Bridges)	X				
Precast Concrete Aesthetic Panels	X				
Top & Bottom Columns	X				
Brick Piers					
Ornamental Pedestrian Fence					
Pedestrian Light Poles					

FOR INFORMATION ONLY

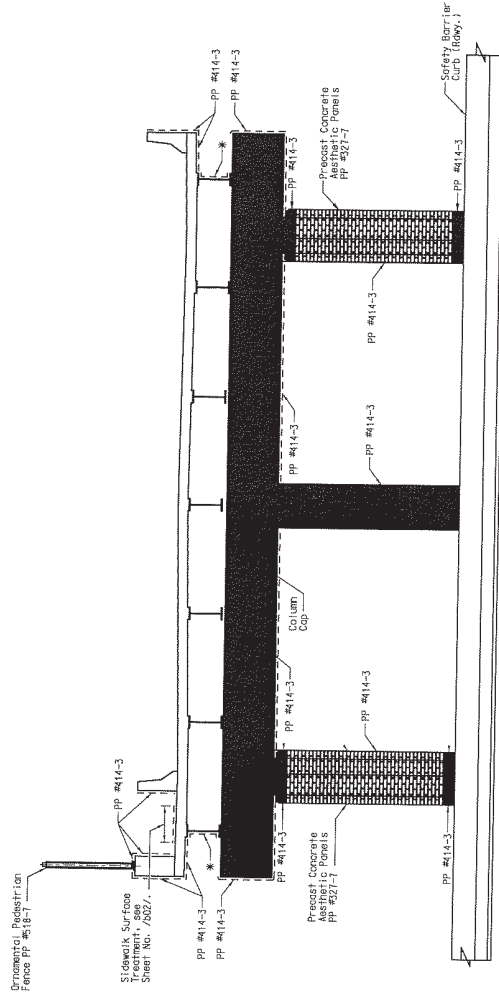
QUANTITIES & AESTHETIC COLOR SCHEME

CITY OF ST. LOUIS

Sheet No. 01 of 08

A6239

TYPICAL SECTION THRU BRIDGE
(3 Column Bent Shown for Illustration Purposes Only)



* Finish Field Coat (System G1 Gray, Exterior Girders Only)

Noted: This drawing is not to scale, follow dimensions.

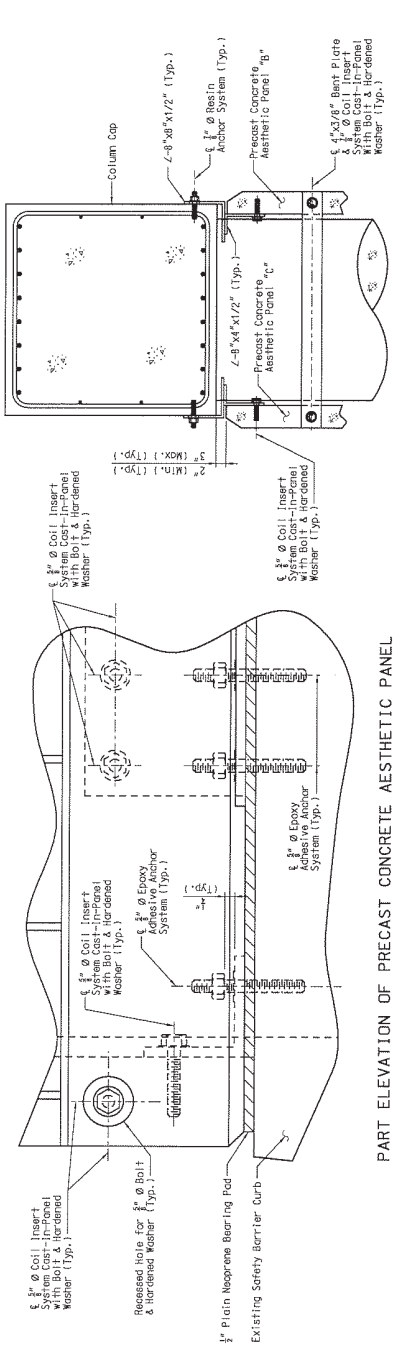
DATE: JUN 2003
CHECKED: JUN 2003

DESIGNED: JUN 2003
CHECKED: JUN 2003

USER: SUSER33

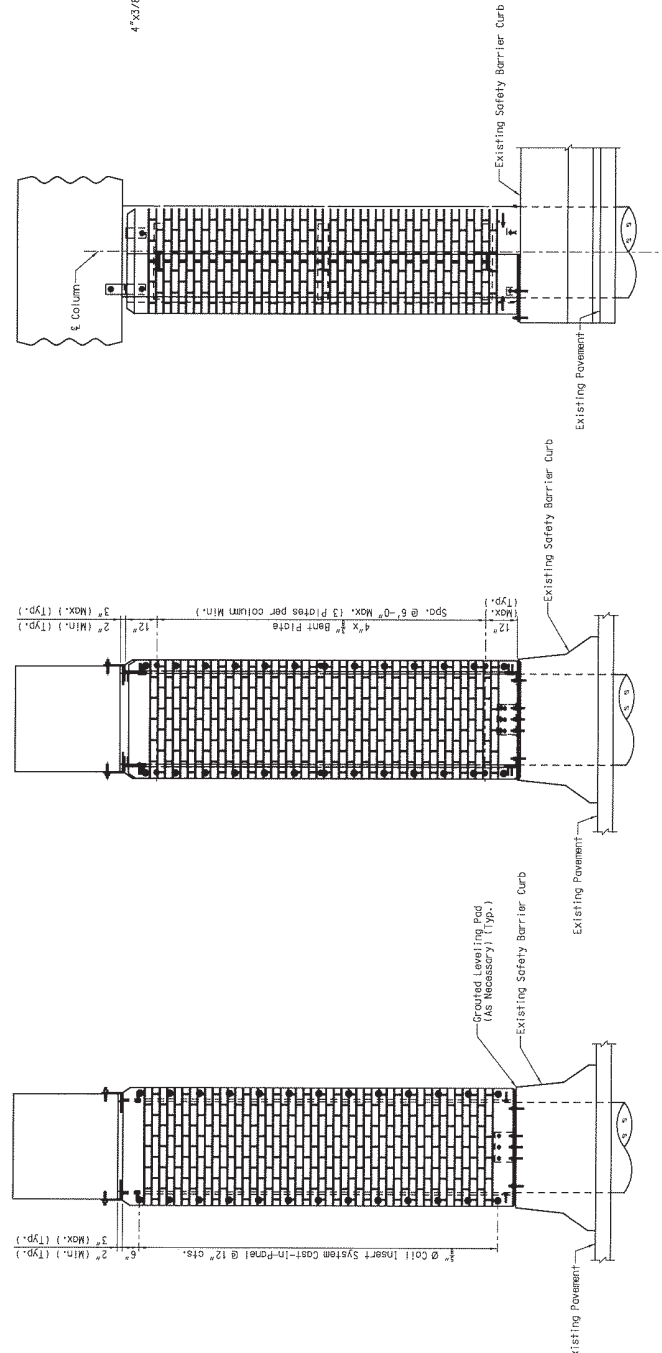
PLOTTED: \$DATE AND TIME\$

\$SDGNSPEC\$



PART ELEVATION OF PRECAST CONCRETE AESTHETIC PANEL
 NEAR SAFETY BARRIER CURB

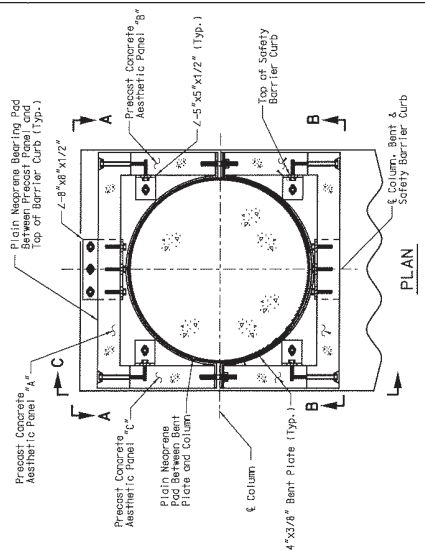
PART ELEVATION NEAR COLUMN CAP



VIEW C-C

VIEW B-B

VIEW A-A



PLAN

Notes:
 All fabricated structural steel shall be ASTM A105 Grade A36
 except where noted. All structural steel shall be galvanized
 in accordance with ASTM A123.
 All bolts, hardened washers and nuts shall be galvanized in
 accordance with ASTM A153.
 The 1/2" and 3/4" resin anchor systems used in the top of
 the existing concrete shall be installed in accordance with the
 manufacturer's instructions. The resin anchor systems shall
 consist of one of the approved systems listed in the Special
 Provisions.
 The 1/2" and 3/4" threaded rod used in the resin anchor systems shall
 be galvanized in accordance with ASTM A153.
 Plain neoprene bearing pads shall be 1/2" thick neoprene pads. The
 neoprene pad shall be bonded to the top of the safety barrier curb end to the
 existing pavement. The neoprene pad shall be bonded to the top of the
 existing pavement and installed in the resin anchor system. The
 manufacturer for furnishing and installing fabricated structural steel, resin
 anchor systems and threaded rod shall be included in the
 contract unit price for Precast Concrete Aesthetic Panels.
 For details of fabricated structural steel, layout of resin anchor systems
 and details of the Precast Concrete Aesthetic Panels, see Sheet No. 70067.

FOR INFORMATION ONLY

PRECAST CONCRETE AESTHETIC PANELS
 ON SAFETY BARRIER CURB

CITY OF ST. LOUIS

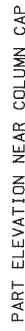
Sheet No. 05 of 08

Notes: This drawing is not to scale, follow dimensions.

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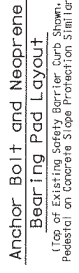
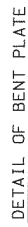
PRECAST CONCRETE AESTHETIC PANELS ON CONCRETE SLOPE PROTECTION



Note: This drawing is not to scale, follow dimensions.

FINAL PLANS

JOB NO. J611376
CONTRACT I.D. 010119-604



FOR INFORMATION ONLY

CONNECTION DETAILS

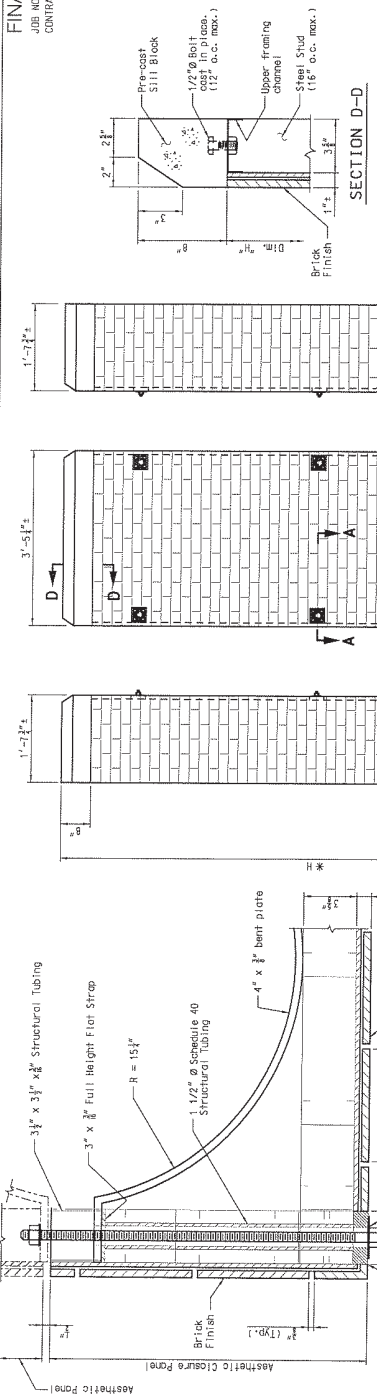
QUANTITY TABLE FOR PANELS AT BENT 2			
Item	Quantity	Lump Sum	Quantity
Aesthetic Closure Panels			
Paid under Force Account Work, Line #5130			1

QUANTITY TABLE FOR PANELS AT BENT 3			
Item	Quantity	Lump Sum	Quantity
Aesthetic Closure Panels			
Paid under Force Account Work, Line #5130			1

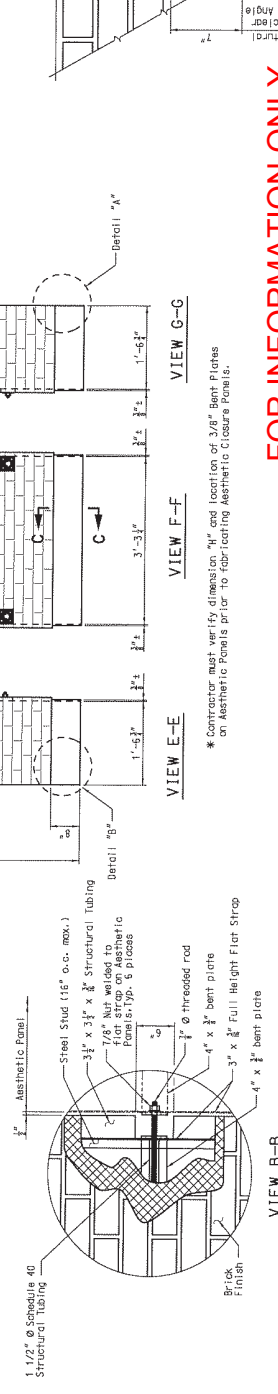
QUANTITY TABLE FOR PANELS AT BENT 4			
Item	Quantity	Lump Sum	Quantity
Aesthetic Closure Panels			
Paid under Force Account Work, Line #5130			1

QUANTITY TABLE FOR PANELS AT BENT 5			
Item	Quantity	Lump Sum	Quantity
Aesthetic Closure Panels			
Paid under Force Account Work, Line #5130			1

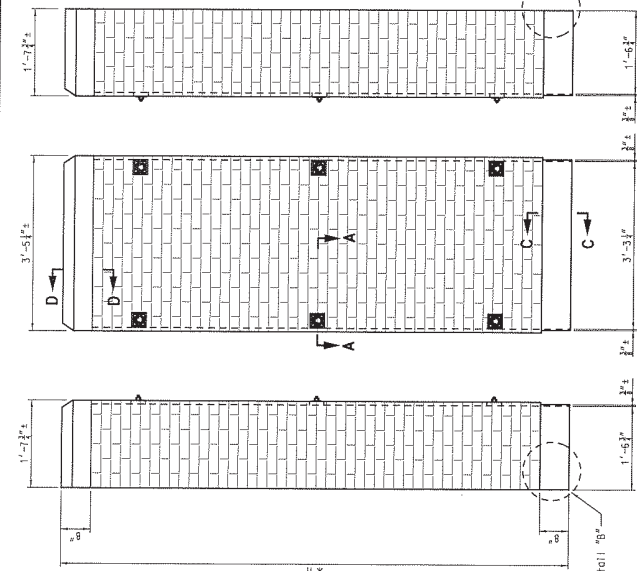
Notes:
 These quantities are not included in the Estimated Quantities table on Sheet No. 10. They are not surface areas that do not include the 4 5/8" thickness of the front face. The corresponding gross surface area of the panels at Bents 2, 3, 4 and 5 are 128', 164', 184' and 233 sq. feet respectively.



SECTION A-A



VIEW B-B



VIEW E-E



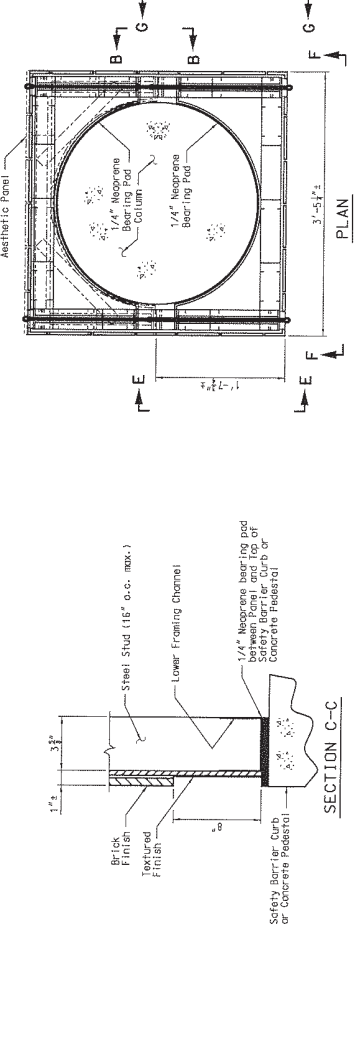
VIEW F-F



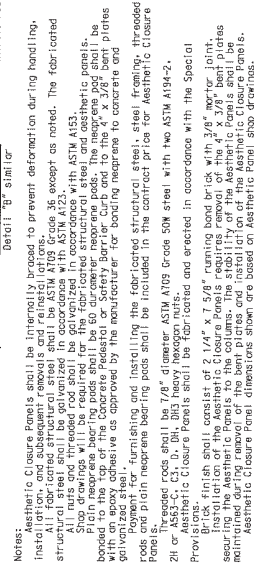
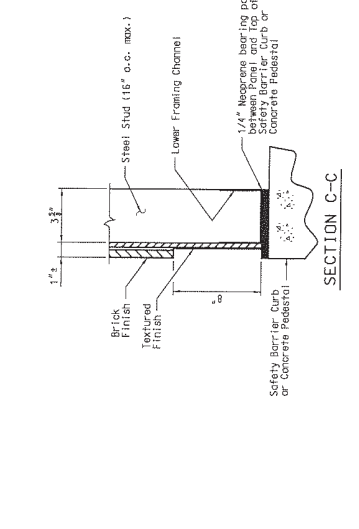
VIEW G-G

* Contractor must verify dimension "H" and location of 3/8" Bent Plates on Aesthetic Panels prior to fabricating Aesthetic Closure Panels.

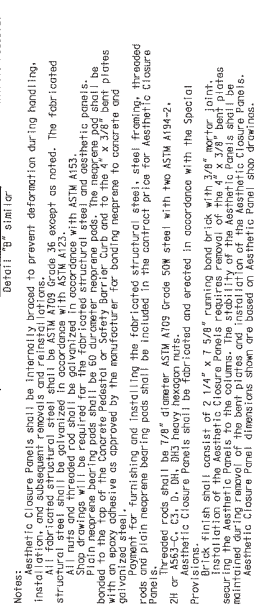
FOR INFORMATION ONLY



SECTION C-C



DETAIL "A"



DETAIL "B"



AESTHETIC CLOSURE PANEL DETAILS

CITY OF ST. LOUIS

Sheet No. To of 08

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

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QUANTITY TABLE FOR PANELS AT BENT 2	
11mm	Quantity
Precast Concrete Aesthetic Panels	sq. foot
	131.95

Note: These quantities are included in the Estimated Quantities table on Sheet No. 7601/.

QUANTITY TABLE FOR PANELS AT BENT 3	
11mm	Quantity
Precast Concrete Aesthetic Panels	sq. foot
	162.26

Note: These quantities are included in the Estimated Quantities table on Sheet No. 7601/.

QUANTITY TABLE FOR PANELS AT BENT 4	
11mm	Quantity
Precast Concrete Aesthetic Panels	sq. foot
	189.02

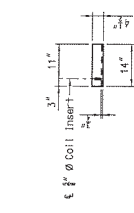
Note: These quantities are included in the Estimated Quantities table on Sheet No. 7601/.

QUANTITY TABLE FOR PANELS AT BENT 5	
11mm	Quantity
Precast Concrete Aesthetic Panels	sq. foot
	238.95

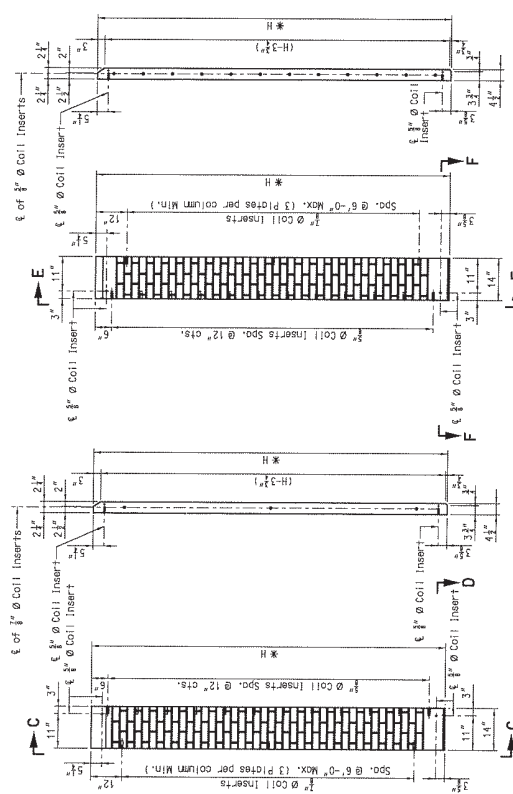
Note: These quantities are included in the Estimated Quantities table on Sheet No. 7601/.



SECTION D-D



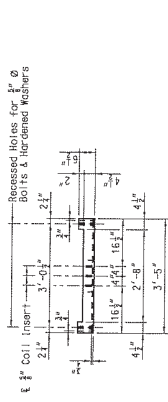
SECTION F-F



PLAN OF PRECAST PANEL "B"

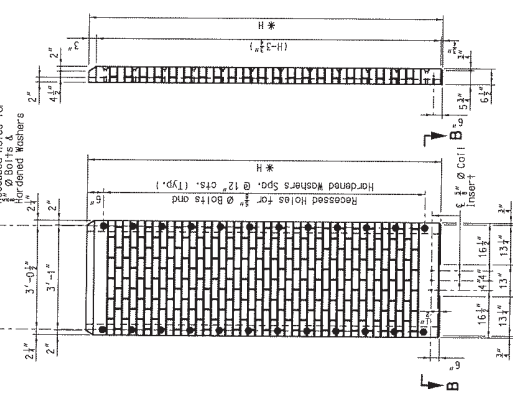
PLAN OF PRECAST PANEL "C"

VIEW E-E



PLAN OF PRECAST PANEL "A"

PLAN OF PRECAST PANEL "B"

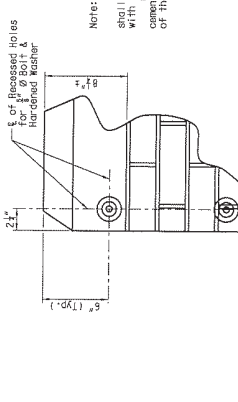


PLAN OF PRECAST PANEL "A"

PLAN OF PRECAST PANEL "B"

VIEW A-A

VIEW B-B



PART PLAN OF PRECAST CONCRETE AESTHETIC PANEL

(Top of panel shown, bottom dim.)

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CITY OF ST. LOUIS

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CITY OF ST. LOUIS

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Sheet No. 08 of 08

CITY OF ST. LOUIS

A6239

FOR INFORMATION ONLY

PRECAST CONCRETE AESTHETIC PANEL DETAILS

Note: This drawing is not to scale, follow dimensions.

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CITY OF ST. LOUIS

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