

SAINT LOUIS COUNTY
Transportation and Public Works

February 22, 2024

ADDENDUM NO. 5

Notice to All Persons and Firms Proposing
to Submit a Bid or Furnish Materials for
Hudson Drive Bridge No. 105 and Vorhof Drive Bridge No. 106
St. Louis County Project Nos. CR-1774 and CR-1775
Federal Project Nos. BRO-B096(004) and BRO-B096(006)

The following question was received for the above project:

Does St. Louis County have any 'as-built' drawings for the existing two bridges?

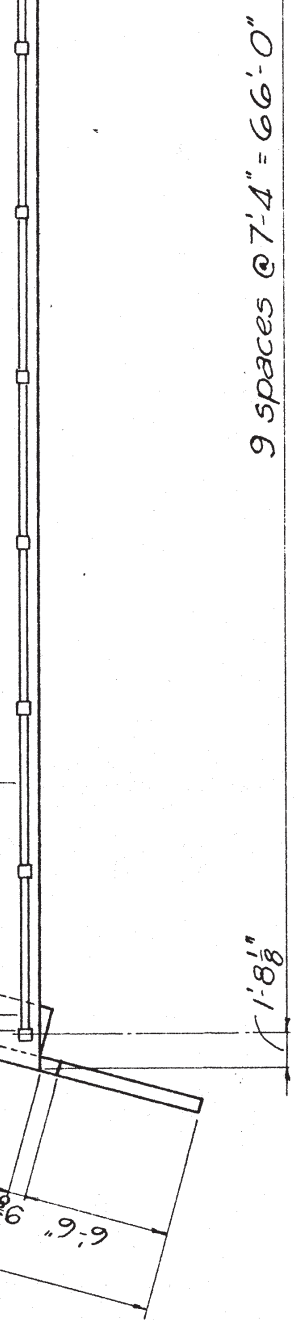
St. Louis County has the existing construction plans for the two bridges, but they are not 'as-builts'. However, they are attached for reference.

ATTENTION BIDDERS: THE ADDENDUM ACKNOWLEDGEMENT IN THE BID DOCUMENTS MUST BE COMPLETED AND SUBMITTED WITH ALL BID PROPOSALS.

Regards,

Daniel A. Howell, Ph.D., P.E.
Supervisor, Project Managers-Bridges
Department of Transportation and Public Works
1050 North Lindbergh Boulevard
Creve Coeur, MO 63132

**OPPORTUNITY
CENTRAL**



9 spaces @ 7'-4" = 66'-0"

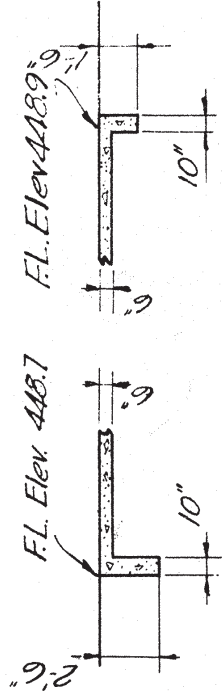
PLAN

± Grade 467.12

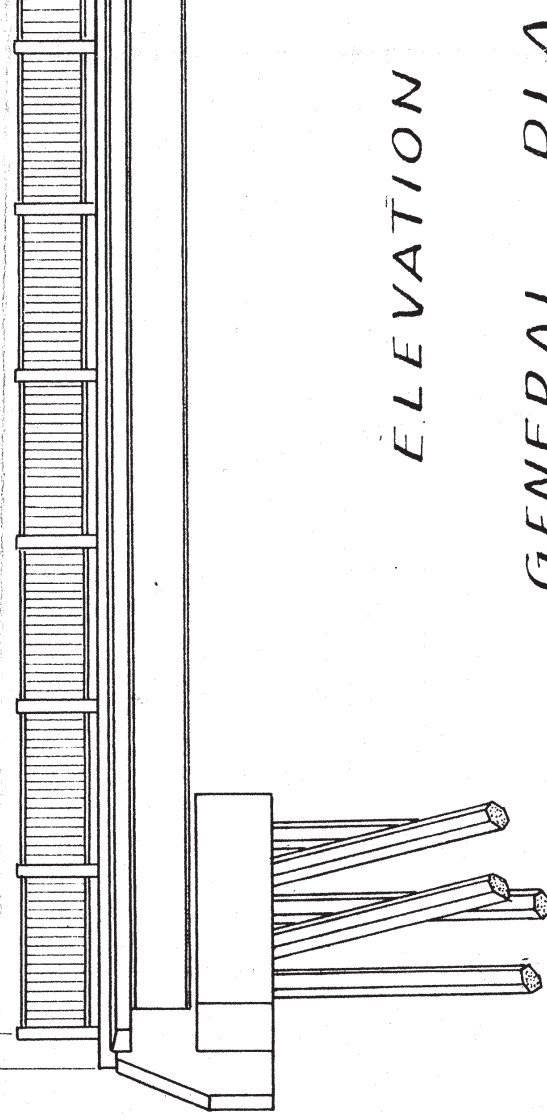
NOTE! Warp street pavement to meet bridge crown & grade.

9 spaces @ 7'-4" = 66'-0"

54 Piles



1'-8 1/8"



ELEVATION

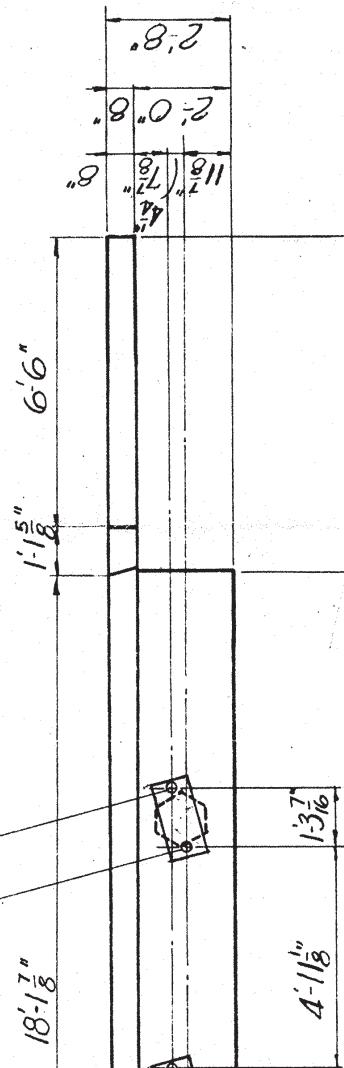
SECTION ZZ

Scale 1/8" = 1'-0"



GENERAL PLAN

Scale 1/8" = 1'-0"



TRANSVERSE SECTION

Scale $\frac{3}{8}'' = 1'-0''$

All exposed edges to be chamfered $\frac{3}{4}''$. Use $\frac{3}{4}''$ chamfer strip to form drip mold.

Provide 1" x 3" keyway at all construction joints.

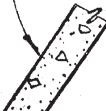


Walk

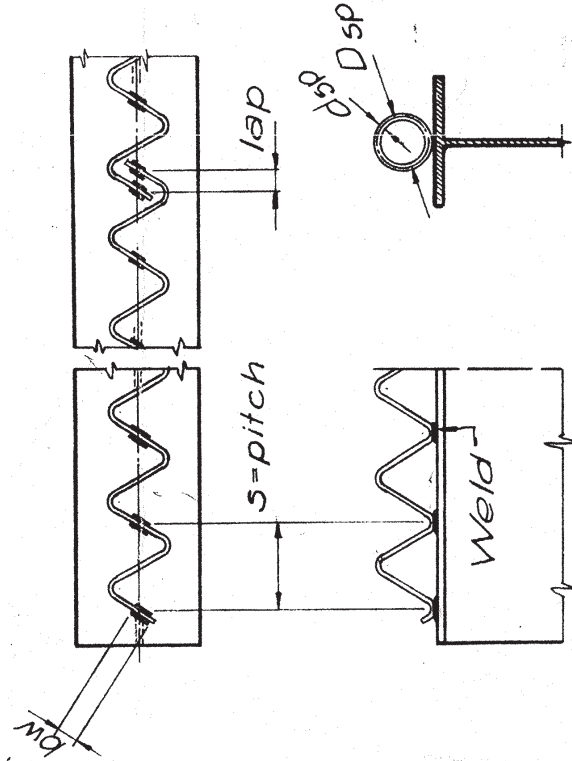
Tile Cap

Bit. joint filler

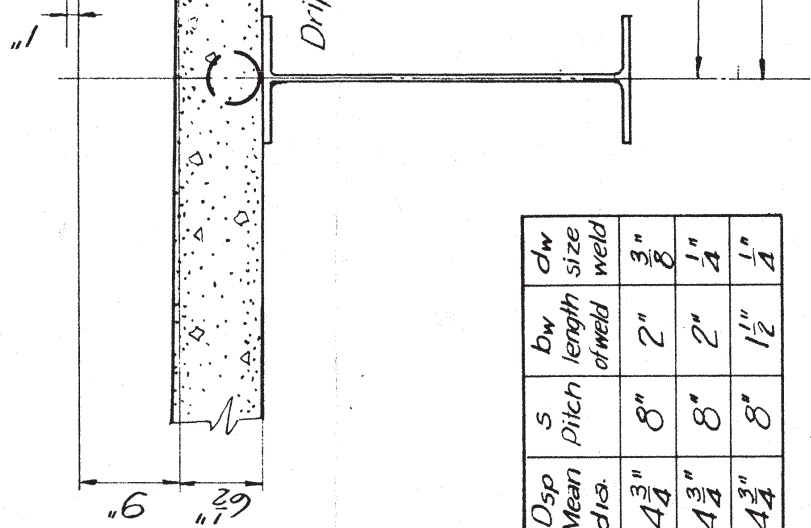
6" slope paving



BB



dsp Bar dia.	Fw Shear per pitch	Dsp Mean dia.	s Pitch	bw length of weld	dw size of weld
$\frac{3}{4}''$	15.9 kip	$4\frac{3}{4}''$	8"	2"	$\frac{3}{8}''$
$\frac{5}{8}''$	11.0 kip	$4\frac{3}{4}''$	8"	2"	$\frac{1}{4}''$
$\frac{1}{2}''$	7.1 kip	$4\frac{3}{4}''$	8"	$1\frac{1}{2}''$	$\frac{1}{4}''$

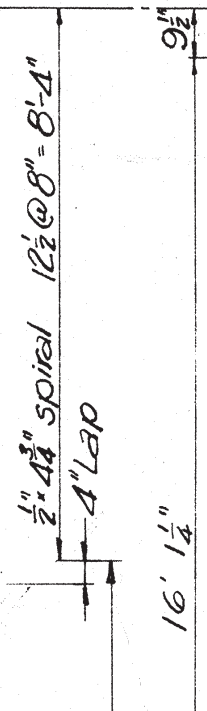
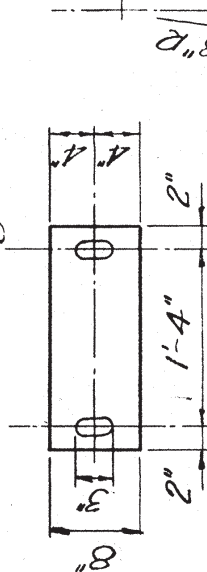


SPIRAL DETAILS

No Scale

SID

5" x 3" Slots expansion end.
1/8" x 5" Holes fixed end.



PLAN

9 Spaces @ 6'-11" = 62'-3"

10 1/2"

Top of test hole #1
Elev. 463.0

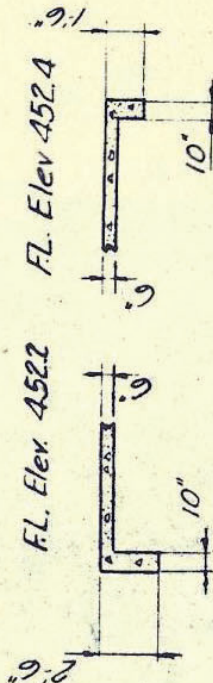
Elev. 428.9 Top of
very firm dark gray shale.

39.1'

2'-8"

ELEVATION

Scale 1/8" = 1'-0"



SECTION ZZ

Scale 1/8" = 1'-0"

SECTION YY

Scale 1/8" = 1'-0"

Reinforcement 2" clear

11 1/2" 5'-6"

17'-6 1/2"

3" anchor bolts

2'-8"
2'-0"
1'-2 1/2"

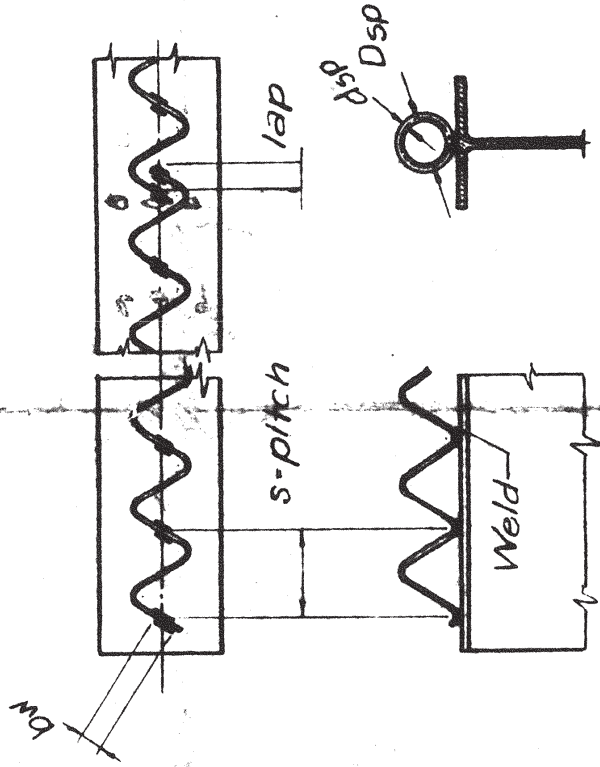
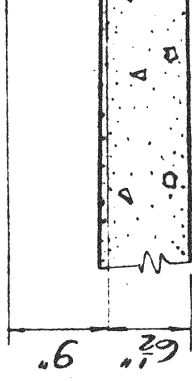
4'-4" 4'-8" 1'-4"

TRANSVERSE SECTION

1/8" = 1'-0"

All exposed edges of concrete shall be chamfered 3/4". Use 3/4" channel strip to form drip mold.

Provide 1" x 3" keyway at all construction joints.

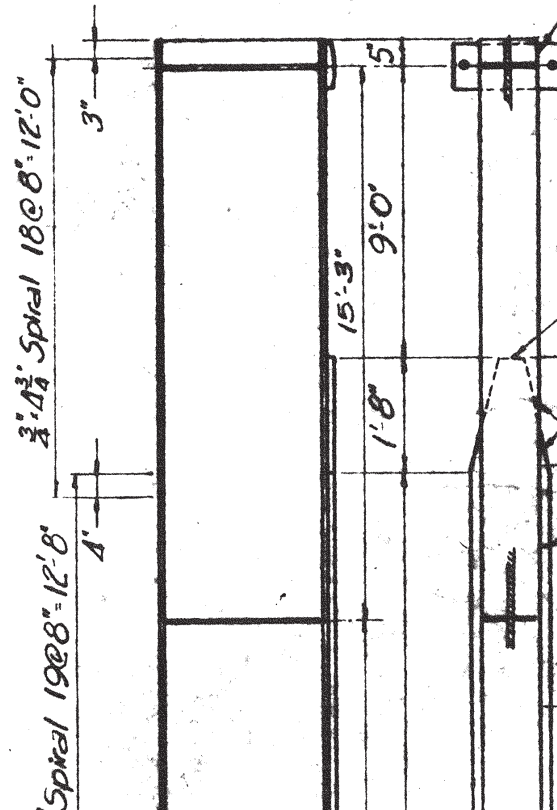
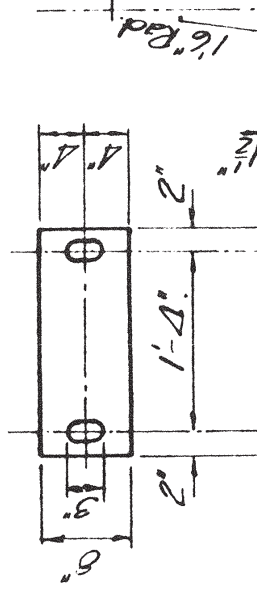


Dsp Bar dia.	Fw Shear strength per pitch	Dsp Mean dia.	S Pitch	Dw length of weld	Dw size
3/4"	15.9 kip	4 3/4"	8"	2"	3/8"
5/8"	11.0 kip	4 3/4"	8"	2"	1/4"
1/2"	7.1 kip	4 3/4"	8"	1 1/2"	1/4"

SPIRAL DETAILS

No Scale

15" x 3" Slots expansion
1 1/8" diameter Holes fixed ends



BB

6" slope paving

Joint filler

lap

chlk

1-BAR-4 1/4 x 2 x 2 - 3 - f1 (6-R)

2 BRG.

2-4 3/4 x 1/2 x 2' 4 3/8-e1

ND TO BEAR)

22 22 1/2
13 13 1/2
2 2 1/2

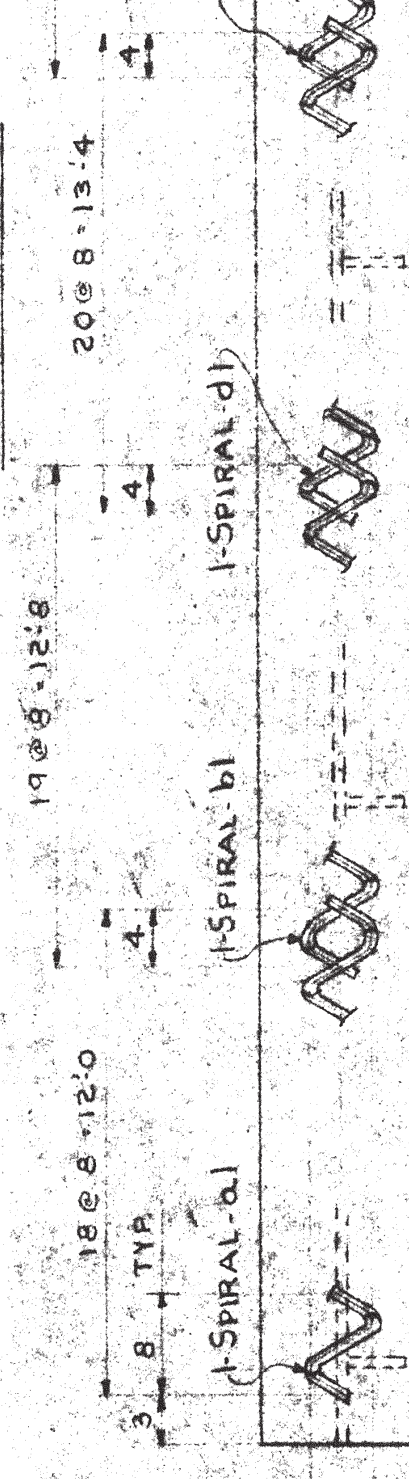
61'0

39'8

1-UM-R-14 x 3/4 x 43'0

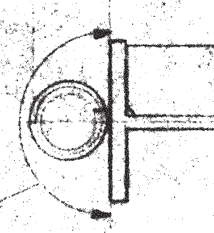
IR-K1 (SEE DETAIL)

3-BEAMS-A1



4 3/4" MEAN DIA.

No PAINT



1-29 3/8 WF108 x 61'10" (1/8) CAMBER



4/5

16 - Posts - AI
4 - do - BIR



1"

2 1/4

1 7/8

5 1/2



3 1/16

2 11 3/4