



May 31, 2019

RE: Notice to Consultants
Request for Qualifications
Addendum No. 1
Consulting Engineering Services for:

Hudson Drive Bridge No. 105
Federal Project No. BRO-B096(004)
TIP #5204D-19
St. Louis County Project No. CR-1774

New Ballwin Road Bridge No. 349
Federal Project No. BRO-B096(005)
TIP #5204E-19
St. Louis County Project No. CR-1773

Vorhof Drive Bridge No. 106
Federal Project No. BRO-B096(006)
TIP #5204F-19
St. Louis County Project No. CR-1775

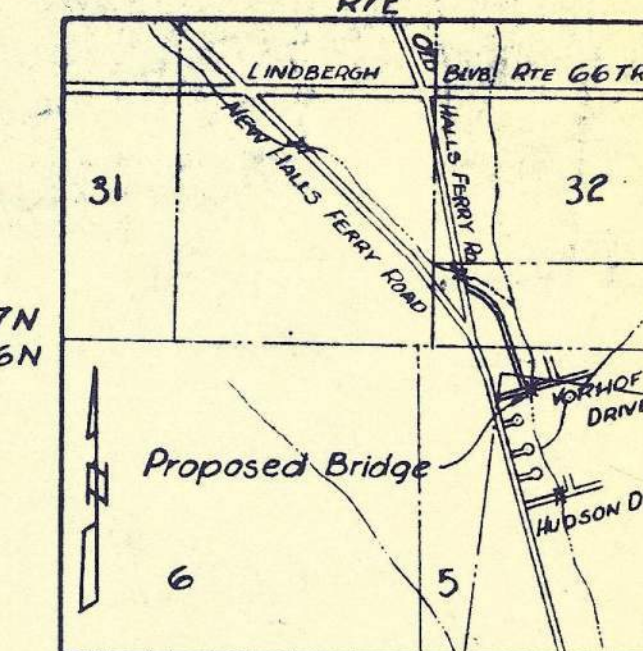
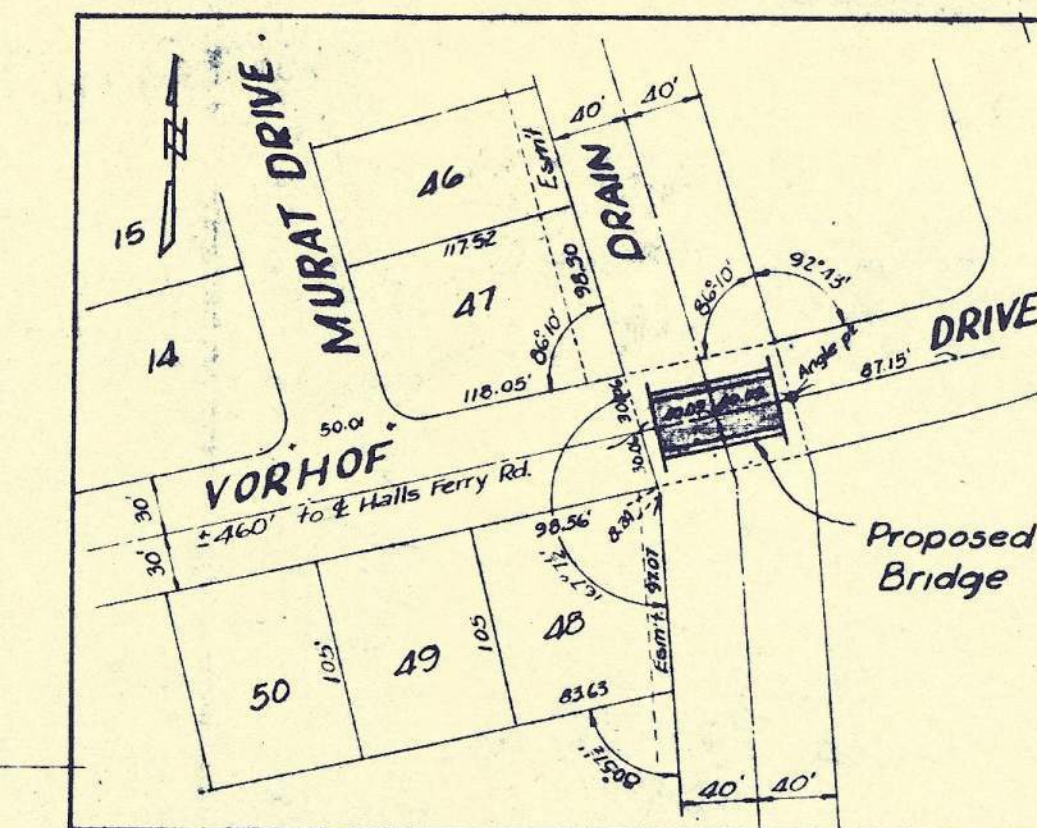
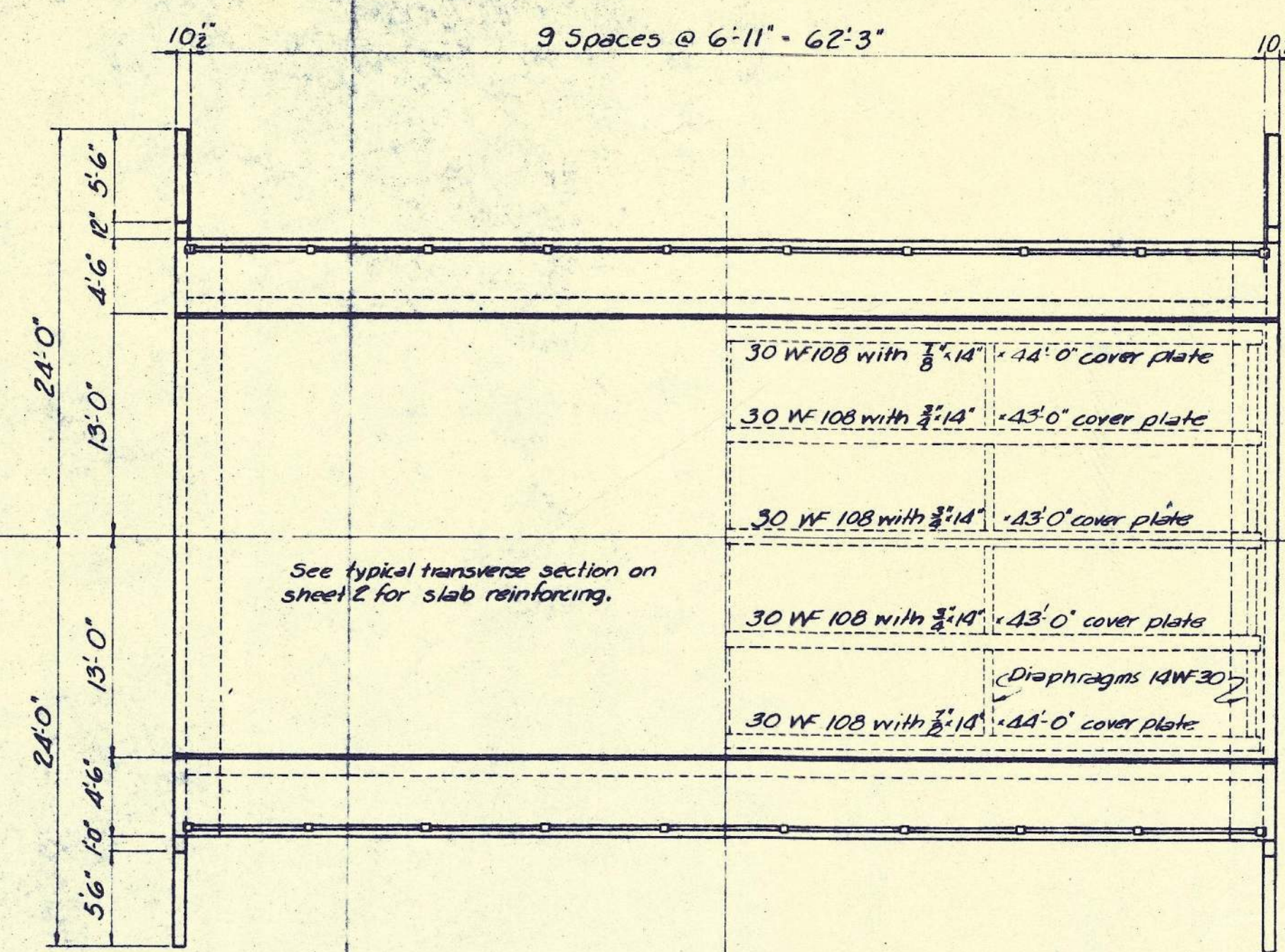
Wyncrest Drive Bridge No. 266
Federal Project No. BRO-B096(007)
TIP #5204G-19
St. Louis County Project No. CR-1292

ADDENDUM NO. 1 – ADDITIONAL INFORMATION
FOR ALL PROJECTS

- Right-of-Way acquisition and negotiation services will be provided by St. Louis County staff on all four projects listed above.
- St. Louis County has requested project schedule documentation for the assessment of Capacity and Capability. This documentation must be representative of the firm's past performance. Our intent is to assess a full project life cycle documenting both the design and construction phase timelines. Design phase documentation is directly relatable to past contract performance. Construction phase documentation has been requested to help assess how efficiently past design projects were able to be implemented in the field. While many field conditions affect the construction process, quality design is a major component to successful implementation. Where a firm does not have project information which demonstrates the full project life cycle, partial project life cycle documentation will be considered.
- The size limit for e-mail attachments that can be accepted by St. Louis County is 15 MB. For submittals which exceed this size limit, the PDF may be subdivided and submitted via multiple separate emails.

ADDENDUM NO. 1 – ADDITIONAL INFORMATION
FOR VORHOF DRIVE BRIDGE NO. 106

- One of the plan sheets for the existing Vorhof Drive Bridge No. 106 was inadvertently omitted from the RFQ package. This plan sheet is included with this addendum.

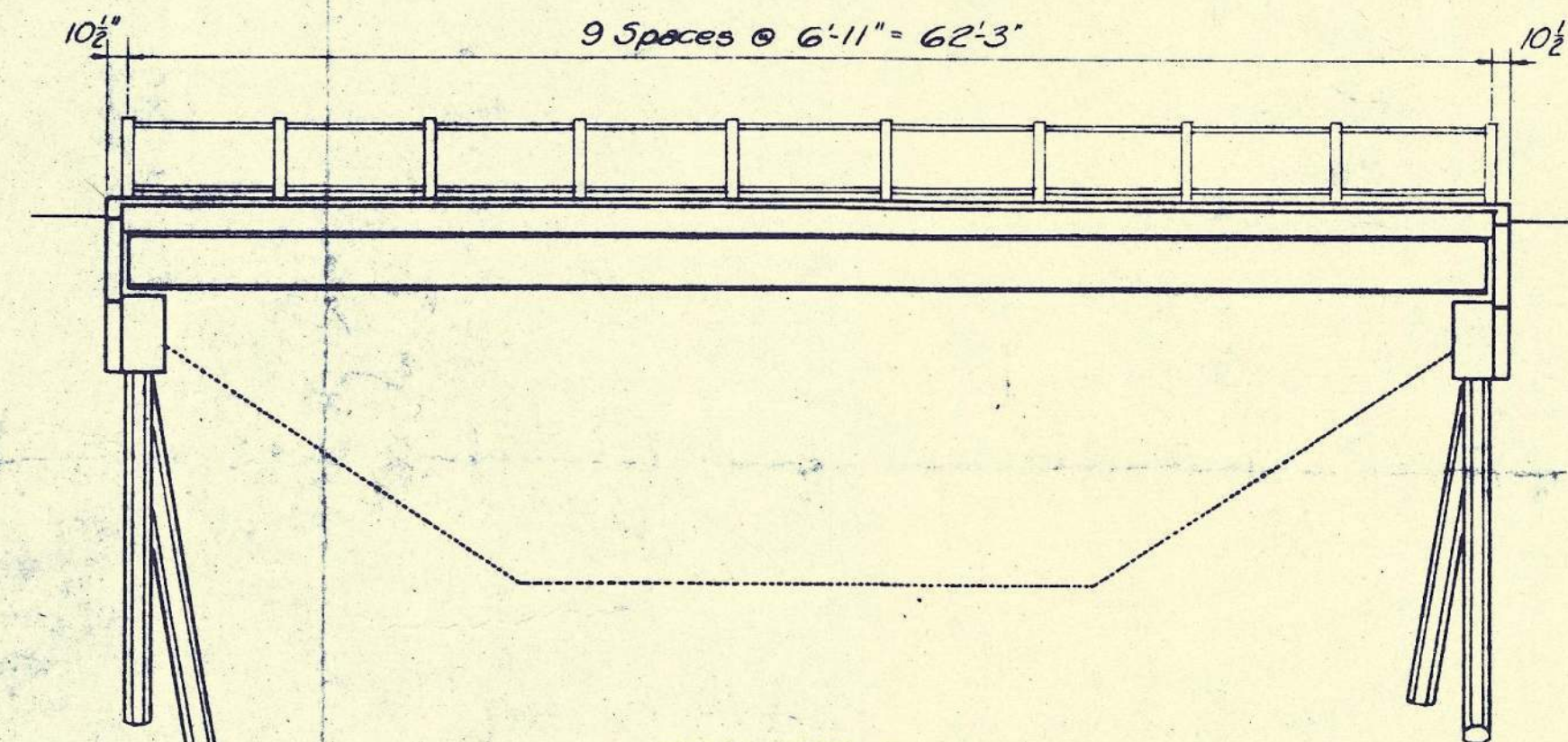


LOCATION MAP
Scale 1"=2000'

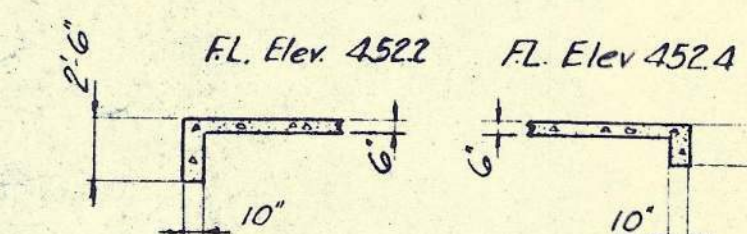
PLOT PLAN

Scale 1" = 100'

PLAN

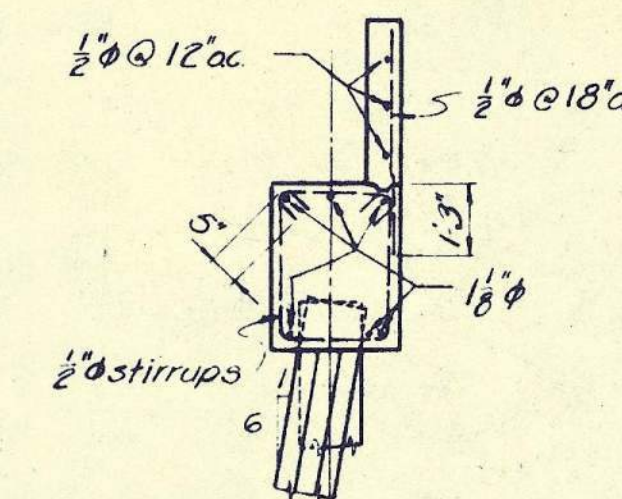
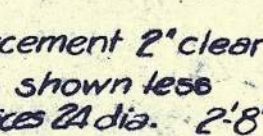


ELEVATION
Scale $\frac{1}{2}" = 1'-0"$



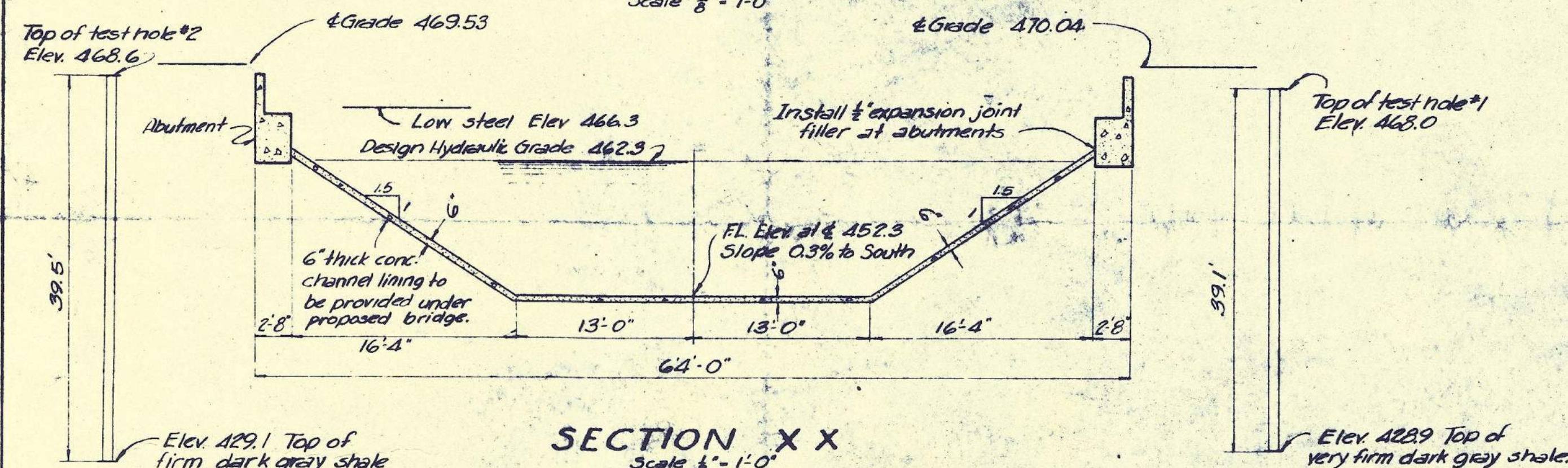
SECTION ZZ
Scale $\frac{1}{8}'' = 1'-0''$

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

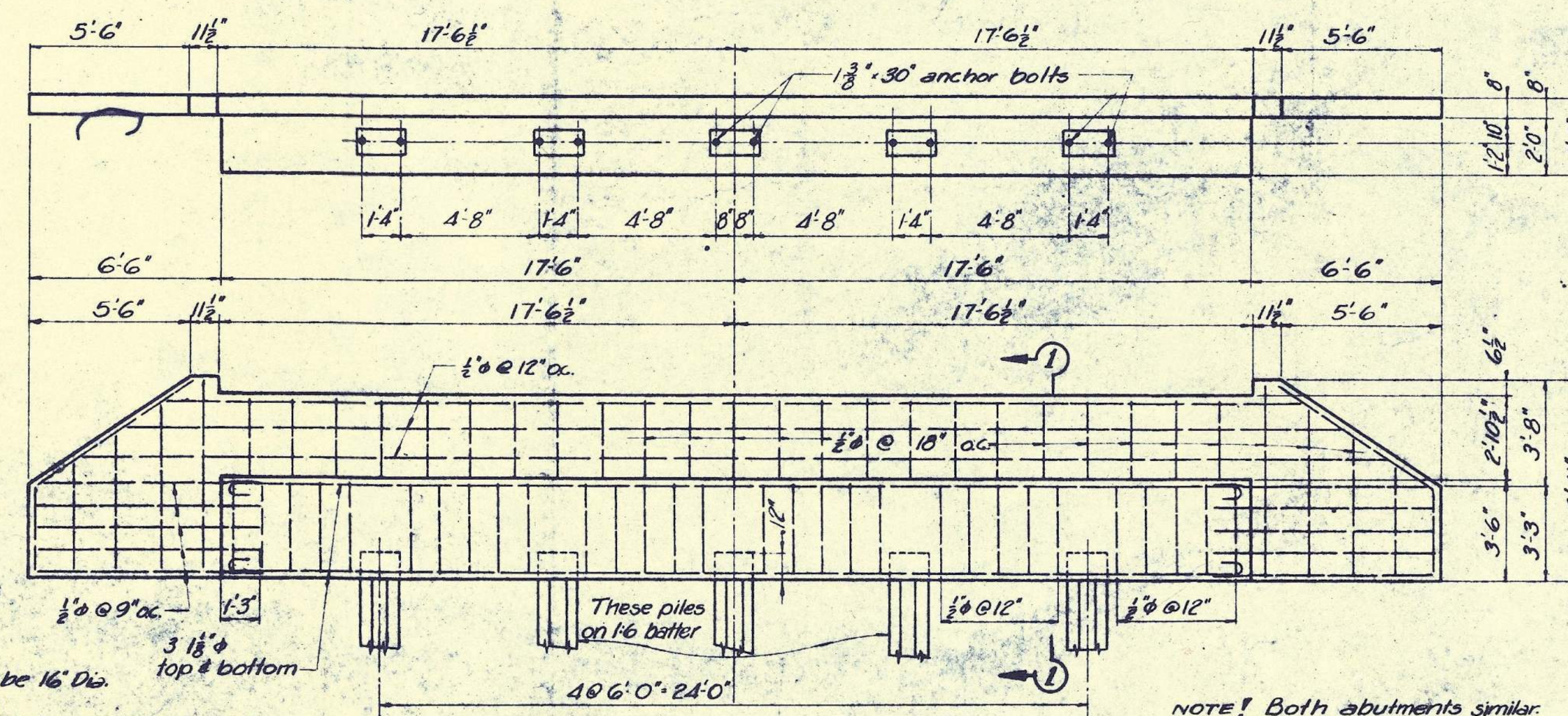


SECTION 1-1

LAYOUT PLAN



SECTION X X
Scale 1/2" = 1'-0"



ABUTMENT DETAILS
Scale $\frac{1}{4}" = 1'-0"$

NOTE! Both abutments similar

SPECIFICATIONS

All materials, methods and workmanship shall conform to the Standard Specifications of the St. Louis County Highway Engineer's Office. Standard Specifications of the American Association of State Highway Officials for Highway Bridges, the American Institute of Steel Construction and the American Welding Society shall prevail where the St. Louis County Standard Specifications are not applicable.

Surfaces of construction joints shall be scored (roughened) to insure bond.

PAINING

All metal surfaces shall have one shop coat of primer and two field coats of aluminum paint except that the spiral shear devices and the top flanges of beams which will be in contact with concrete shall not be painted. All bolts, washers etc. and any damaged areas of shop primer shall be refouced prior to applying the initial coat of aluminum paint.

TEMPORARY SUPPORTS

The steel beams are designed to carry dead load of slab and forms. Falsework is unnecessary.

LOADING

H 20-516-44-AASHTO Standard
Specification for Highway Bridges

ALLOWABLE UNIT STRESSES

TABLE UNIT STRESSES	
Concrete	3000 psi ultimate 1200 psi
Steel reinforcement for concrete	20,000 psi
Structural steel	18,000 psi
Welds	13,600 psi

COMPOSITE BEAMS

Slab dead load carried by steel section.
Sidewalk, curb and rail dead load carried
by composite section - $n=30$. Live load
carried by composite section - $n=10$. Spirals
designed for dead load plus live load shear.

CAMBER

^R Camber beams for dead load deflection.

HATHAWAY MANOR
VORHOF DRIVE BRIDGE #106

MILTON CONSTRUCTION AND SUPPLY CO., OWNER.

DESIGNED BY

PITZMAN'S CO. OF SURVEYORS & ENGINEERS
804 PINE ST. ST. LOUIS, I. MO.

804 FINE ST.
A. Fred Heimbach
MISSOURI PROF ENGINEER 18-14

JOHN J. BAILEY JR. ASSOCIATE,
MISSOURI PROF. ENGINEER E-4583

OCTOBER 1955.

SHEET 1 OF 2