

MISSOURI DEPARTMENT OF TRANSPORTATION

PROCUREMENT
1711A Hwy 61 South, PO Box 1067
Hannibal, MO 63401

Table with 2 columns: Field Name, Value. Includes REQUEST NO. B03-11-0016, DATE January 28, 2011, PAGE NO. 1, NO. OF PAGES 36.

SEALED BIDS, SUBJECT TO THE ATTACHED CONDITIONS WILL BE RECEIVED AT THIS OFFICE UNTIL

1:00 p.m., Local Time, March 1, 2011

AND THEN PUBLICLY OPENED AND READ FOR FURNISHING THE FOLLOWING SUPPLIES OR SERVICES.

BIDS TO BE BASED F.O.B. MISSOURI DEPARTMENT OF TRANSPORTATION

Submit net bid as cash discount stipulations will not be considered As described herein

THE BIDDER MUST SIGN AND RETURN BEFORE DATE AND TIME SET FOR OPENING.

BUYER: Tanya Dauma
BUYER EMAIL: Tanya.Dauma@modot.mo.gov

BUYER TELEPHONE: 573-248-2486

SUPPLIES OR SERVICES

To establish a contract to furnish demolition services to remove the Louisiana Pedestrian Bridge located at Pike County, US 54/MO 79, Louisiana, Missouri, in accordance with the following pages.

Mandatory pre-bid meeting, Thursday, February 17, 2011, 9:30 a.m., at the bridge site.

Return sealed bid to the address shown at the top of this page.

(SEE ATTACHED FOR TERMS, CONDITIONS, AND INSTRUCTIONS)

In compliance with the above Request For Bid, and subject to all conditions thereof, the undersigned bidder agrees to furnish and deliver any or all the items on which prices were bid within the timeframe specified herein, after receipt of formal purchase order.

Date:
Telephone No.:
Fax No.:
Federal I.D. No.
Email Address:

Firm Name:
Address:
By (Signature):
Type/Print Name

Is your firm MBE certified? [] Yes [] No

Title:
Is your firm WBE certified? [] Yes [] No

1. INTRODUCTION AND GENERAL INFORMATION

1.1 Introduction:

- 1.1.1 This Request for Bid seeks bids from qualified organizations to provide demolition services to remove the Louisiana Pedestrian Bridge located at Pike County, US 54/MO 79, Louisiana, Missouri with an effective contract period of Notice to Proceed through May 8, 2011, to the Missouri Highways and Transportation Commission (MHTC) and Missouri Department of Transportation (MoDOT). Bids must be received in a sealed envelope clearly marked "B03-11-0016 Pedestrian Bridge Demolition" to Ms. Tanya Dauma, Procurement, 1711A Hwy 61 South, PO Box 1067, Hannibal, MO 63401, or hand-delivered in a sealed envelope to the Procurement Office in the District 3 Missouri Department of Transportation Work Life Center Building located at 1711A Hwy 61 South, Hannibal, Missouri. All questions regarding the RFB shall be submitted to Ms. Tanya Dauma. Bids must be returned to the office of Ms. Tanya Dauma no later than 1:00 p.m., CDT, March 1, 2011.

RFB Coordinator:

Tanya Dauma
MoDOT – District 3
1711A Hwy 61 South
PO Box 1067
Hannibal, MO 63401

Phone: 573-248-2486
Fax: 573-522-6463
Email: Tanya.Dauma@modot.mo.gov

1.2 General Information:

- 1.2.1 This document constitutes an invitation for competitive, sealed bids for the procurement of demolition services to remove the pedestrian bridge in Louisiana, Missouri as set forth herein.
- 1.2.2 Organization - This document, referred to as a Request for Bid (RFB), is divided into the following parts:
- 1) Introduction and General Information
 - 2) Scope of Work
 - 3) Job Special Provisions
 - 4) Pricing & Signature Page
 - 5) Attachments – Anti-Collusion, Preference in Purchasing, Missouri Domestic Products Procurement Act, Bid Bond, Worker Eligibility Affidavits, Missouri Service-Disabled Veteran Business Preference
 - 6) Terms and Conditions
 - 7) Exhibit A – Location and Bridge Plans
 - 8) Exhibit B – Asbestos & Heavy Metal Paint Inspection Report
 - 9) Exhibit C – Construction Signing
 - 10) Exhibit D – Temporary Traffic Control & Road Closures

1.3 Mandatory Pre-Bid Meeting

- 1.3.1 There will be a mandatory pre-bid meeting on **Thursday, February 17, 2011, 9:30 a.m.**, at the bridge site.

1.4 Contractor Questionnaire

- 1.4.1 Submit completed Contractor Questionnaire with attachments not later than seven (7) days prior to the date and hour of the bid opening. See Sec 102.2 of the Missouri Standard Specifications for Highway Construction, and Rule 7 CSR 10-15.900, "Prequalifications to Bid of Certain Contractors". Questionnaire and Contact information are provided on MoDOT's website at <http://www.modot.org/business/BecomeAMoDOTPrimeContractor.htm>.

2. SCOPE OF WORK

2.1 General Requirements:

- 2.1.1 The contractor shall provide demolition services to remove the pedestrian bridge located at Pike County, US 54/MO79, Louisiana, Missouri, for the Missouri Highway and Transportation Commission (MHTC) and Missouri Department of Transportation (MoDOT), in accordance with the provisions and requirements stated herein. Work shall be performed according to the “Missouri Standard Specifications for Highway Construction, 2004” and “Missouri Standard Plans for Highway Construction, 2009” and their revisions, “General Provisions & Supplemental Specifications” and “Supplemental Plans to October 2009 Missouri Std. Plans for Highway Construction”. The most recent version can be found at the web address: http://www.modot.mo.gov/business/standards_and_specs/highwayspecs.htm. The term “engineer” in this proposal shall be as defined in Section 101 of the Missouri Standard Specifications for Highway Construction.
- 2.1.2 The contractor shall provide all services to the sole satisfaction of MoDOT.

2.2 Specific Requirements:

- 2.2.1 The contractor shall provide MoDOT with removal and demolition services of the pedestrian bridge located in Pike County, US 54/MO 79, Louisiana, MO, in accordance with the following. Exhibit A includes site location and bridge drawings.
- 2.2.2 The contractor shall remove Bridge A1477 Pedestrian Bridge, located on US 54/MO 79 at Louisiana, MO. The bridge shall be removed in accordance to MoDOT Specification Section 216.10, “Removal of Bridges”.
- 2.2.3 The contractor shall remove miscellaneous asbestos containing material (Category I – Non Friable) as per MoDOT Specification Section 202.40, “Removal of Asbestos Containing Material”. Contractor is reminded that this includes but is not limited to all applicable state and federal regulations for asbestos removal and disposal. The 10-day notification required by the Missouri Department of Natural Resources (MoDNR) for bridge demolition and asbestos removal will need to be verified by MoDOT before any demolition or removal work is performed on this project. These notifications and proof of notification are the responsibility of the contractor. No work will be allowed until the contractor provides proof that this 10-day notification was received by MoDNR. The Asbestos & Heavy Metal Paint Inspection is attached as Exhibit B.
- 2.2.4 The contractor is responsible for all construction signing in accordance to MoDOT Specification Section 616, “Temporary Traffic Control”, as detailed in Exhibit C.
- 2.2.5 The contractor is responsible for temporary traffic control and road closures in accordance to MoDOT Specification Section 616, “Temporary Traffic Control”. Exhibit D specifies the amount and includes drawing for the temporary lane closures.
- 2.2.6 The contractor shall furnish all material, labor, facilities, equipment, and supplies necessary to provide the services required herein.

2.3 Project Contact:

- 2.3.1 A MoDOT inspector shall be present at all times while work is being completed.

- 2.3.2 All questions concerning this project after bid award shall be directed to:

Macy Rodenbaugh, PE	District Construction & Materials Engineer
Work phone: 573-248-2458	Cell phone: 573-406-7079
Email: Macy.Rodenbaugh@modot.mo.gov	

3. JOB SPECIAL PROVISIONS

(Job Special Provisions shall prevail over General Special Provisions whenever in conflict therewith.)

3.1 WORK ZONE TRAFFIC MANAGEMENT PLAN

3.1.1 Description. Work zone traffic management shall be in accordance with applicable portions of Division 100 and Division 600 of the Standard Specifications, and specifically as follows:

3.1.2 Traffic Management Schedule

3.1.2.1 The engineer shall be notified as soon as practical of any postponement due to weather, material or other circumstances.

3.1.3 Road Closures

3.1.3.1 The contractor will be allowed to close US 54/MO 79 at the bridge site per the temporary traffic control plans, Exhibit D sheet 1 of 3, for the purpose of removing the 62 ft. main span of Bridge A1477.

3.1.3.2 The contractor shall perform the removal of the 62 ft. main span on a Sunday morning from Notice to Proceed through May 8, 2011, except for Sunday, March 13, and Sunday, April 24, 2011. The contractor will be allowed to have US 54/MO 79 closed from the hours of 8:00 a.m. – 12:00 p.m. on the Sunday that is selected. The entire main span shall be removed during this 4-hour period.

3.1.3.3 The contractor shall maintain access to local detour for the households/businesses that will be confined by the proposed road closure.

3.1.4 Lane Closures

3.1.4.1 The contractor will be allowed to temporarily close eastbound or westbound US 54/MO 79 for the purposes of completing the removal of the end bents, stairs, and/or other structural elements of Bridge A1477 and /or to complete the grading at the site.

3.1.4.2 At least one lane of traffic on US 54/MO 79 shall be maintained at all times, except for brief intervals of time required to shift traffic control or the movement of the contractor's equipment will seriously hinder the movement of traffic.

3.1.4.3 The contractor shall be responsible for maintaining the existing traffic flow through the job site during construction. If disruption of the traffic flow occurs and traffic is backed up in queues of 5 minute delays or longer, then the contractor shall review the construction operations which contributed directly to disruption of the traffic flow and make adjustments to the operations to prevent the queues from occurring again.

3.1.4.4 In order to ensure minimal traffic interference, the contractor shall schedule lane closures for the absolute minimum amount of time required to complete the work. Lanes shall not be closed until material is available for continuous construction and the contractor is prepared to diligently pursue the work until the closed lanes are opened to traffic.

3.1.4.5 The contractor will be allowed to have either the eastbound or westbound lane of US 54/MO 79 temporarily closed for a period of time that includes the half hour after sunrise until a half hour prior to sunset.

3.1.4.6 The contractor shall maintain access for local households and businesses located within the lane closures.

3.1.5 Basis of Payment. Construction signing and temporary traffic control will be paid for based on the quantities shown on the summary sheet in the construction plans, Exhibit C & D. Unless otherwise specified, no direct payment will be made to the contractor to recover the cost of equipment, labor, materials or time required to fulfill the above provisions.

3.2 GRADING

- 3.2.1 Description.** This work shall consist of providing all labor, equipment, and material, necessary to fill the holes back to the natural ground elevation, which will result from the removal of the end bents/end piers of Bridge A1477. Footings and other structures to be removed at least 2 feet below natural ground.
- 3.2.2 Construction Requirements.** All grading shall be in accordance with Section 203 of the Missouri Standard Specifications for Highway Construction and/or as approved by the engineer. The contractor is responsible for locating suitable material or disposing of excess material used to complete the project. Excess material shall be disposed of outside the right of way at locations furnished by the contractor.
- 3.2.3 Basis of Payment.** All grading work will not be measured for payment, but will be considered a lump sum unit.

3.3 UTILITIES

- 3.3.1 Description.** The name and location of utility facilities are not shown on the plans and therefore it is the responsibility of the contractor to determine and verify the existence, location, and status of any facilities. Such verification should include direct contact with the utilities in the area.
- 3.3.2 Damages.** The contractor shall be solely responsible and liable for incidental and consequential damage to any utility facilities or interruption of the service caused by it or its subcontractors operation. The contractor shall hold and save harmless the Commission from damages to any utility facilities interruption of service by it or its subcontractor's operation.
- 3.3.3 Basis of Payment.** There will be no direct payment for this work and should be considered incidental to and part of the work to complete the project.

3.4 LIQUIDATED DAMAGES SPECIFIED FOR CLOSURE TIME AND COMPLETION DATE

- 3.4.1 Road Closure.** The closure of US 54/MO 79 to remove the 62 ft. main span of Bridge A1477 shall be allowed for a **MAXIMUM** amount of **4 hours** regardless of the date of closure. If at least one lane, including the adjacent shoulder, of US 54/MO79 is not open to vehicular traffic after 12:00 p.m. Central Time, the contractor will be charged with liquidated damages in the amount of **\$500.00 per hour** until one lane of traffic is open.
- 3.4.2 Completion Date.** The project shall be completed 10 calendar days beginning from the time work commences to remove the 62 ft. main span of Bridge A1477. The contractor will be charged with liquidated damages in the amount of **\$1000.00 per day** for each **full day** that the work is not fully completed.

4. PRICING PAGE

4.1 Bids will be reviewed to determine if the bid complies with the mandatory requirements, and to determine the lowest responsible bid. The contract will be awarded to the lowest responsible bidder determined as specified above. Notification of award shall be at the time the tabulation is posted to the Internet. It is the sole responsibility for all bidders to check the website for bid results.

4.2 Invoicing and Payment Requirements

4.2.1 The contractor shall submit an itemized invoice to MoDOT-District 3 for the completion of services, as specified herein. The contractor shall be paid in accordance with the firm, fixed prices stated on the pricing page of this document after completion of the project specified herein and acceptance by MoDOT. Other than the payment specified above, no other payments or reimbursements shall be made to the contractor for any reason whatsoever.

4.2.2 MoDOT is exempt from paying Missouri Sales Tax, Missouri Use Tax and Federal Excise Tax. However, the contractor may themselves be responsible for the payment of taxes on materials they purchase to fulfill the contract. A Federal Excise Tax Exemption Certificate will be furnished to the successful bidder upon request.

4.3 Demolition services to remove the Louisiana Pedestrian Bridge located at Pike County, US 54/MO 79

The bidder shall provide a firm, fixed price in the table below for providing the services in accordance with the provisions and requirements of this RFB. All costs associated with providing the required services shall be included in the prices stated below.

Item #	Description	Lump Sum Pricing
001	Removal of bridge, including grading and mobilization	\$ _____
002	Removal of miscellaneous asbestos containing material	\$ _____
003	Construction Signing	\$ _____
004	Temporary Traffic Control	\$ _____
	Total Project Cost	\$ _____

Signature:	
Title:	
Printed Name:	
Date:	

5. ANTI-COLLUSION STATEMENT

STATE OF _____)

) **SS.**

COUNTY OF _____)

_____ being first

duly sworn, deposes and says that he is _____
Title of Person Signing

of _____
Name of Bidder

that all statements made and facts set out in the bid for the above project are true and correct; and that the bidder (The person, firm, association, or corporation making said bid) has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with such bid or any contract which may result from its acceptance.

Affiant further certifies that bidder is not financially interested in, or financially affiliated with, any other bidder for the above project.

By _____

By _____

By _____

Sworn to before me this _____ day of _____, 20_____.

Notary Public

My Commission Expires _____

PREFERENCE IN PURCHASING PRODUCTS

DATE: _____

The bidders attention is directed to Section 34.076 RSMo 2000 which gives preference to Missouri corporations, firms, and individuals when letting contracts or purchasing products.

Bids/Quotations received will be evaluated on the basis of this legislation.

All vendors submitting a bid/quotation must furnish ALL information requested below.

FOR CORPORATIONS:

State in which incorporated: _____

FOR OTHERS:

State of domicile: _____

FOR ALL VENDORS:

List address of Missouri offices or places of business:

THIS SECTION MUST BE COMPLETED AND SIGNED:

FIRM NAME: _____

ADDRESS: _____

CITY: _____ **STATE:** _____ **ZIP:** _____

BY (signature required): _____

NOTE: For bid/quotation to be considered, the "Preference in Purchasing Products" form must be on file in the General Services (Procurement) Division and must be dated in the current calendar year.

MISSOURI DOMESTIC PRODUCTS PROCUREMENT ACT

The bidder's attention is directed to the Missouri Domestic Products Procurement Act, Sections 34.350 to 34/359, RsMO, which requires all manufactured goods or commodities used or supplied in the performance of this contract or any subcontract to be manufactured or produced in the United States.

Section 34.355, RsMO, requires the vendor or contractor to certify his compliance with Section 34.353 and, if applicable, Section 34.359, RsMO, at the time of bidding **and** prior to payment. Failure to comply with Section 34.353, RsMO, during the performance of the contract **and** to provide certification of compliance prior to payment will result in nonpayment for those goods or commodities.

Section 34.353.2, RsMO, specifies that it does not apply where the total contract is less than Twenty-Five Thousand Dollars (\$25,000.00). If your total bid is Twenty-Five Thousand Dollars (\$25,000.00) or more, you **must** complete this form as directed below.

Failure to complete and return this document with this bid will cause the State to presume the manufactured goods or products listed in the bid are not manufactured or produced in the United States, and the bid will be evaluated on that basis. Please read the certification appearing below on this form.

- [] If all the goods or products specified in the attached bid which the bidder proposes to supply to the State shall be manufactured or produced in the "United States" as defined in Section 34.350, RsMO, check the box at left.

- [] If only one item of any particular goods or products specified in the attached bid is manufactured or produced in the "United States" as defined in Section 34.350, RsMO, check the box at left and list the items (or item number) here:

- [] If any or all of the goods or products specified in the attached bid which the bidder proposes to supply to the State are **not** manufactured or produced in the "United States" as defined in Section 34.350, RsMO, then: (a) check the box at left; (b) list below, by item (or item number), the country other than the United States where each good or product is manufactured or produced; and (c) check the boxes to the left of the paragraphs below if applicable and list the corresponding items (or item numbers) in the spaces provided.

Item (or item number)	Location Where Item Manufactured or Produced

(attach an additional sheet if necessary)

- [] The following specified goods or products cannot be manufactured or produced in the United States in sufficient quantities or in time to meet the contract specifications. Items (or item numbers): _____

- [] The following specified goods or products must be treated as manufactured or produced in the United States, in accordance with an existing treaty, law, agreement, or regulation of the United States, including a treaty between the United States and any foreign country regarding export-import restrictions or international trade. Items (or item numbers): _____

CERTIFICATION

By submitting this document, completed as directed above, with a bid, the bidder certifies under penalty of making false declaration (Section 575.060, RsMO) that the information contained in this document is true, correct and complete, and may be relied upon by the State in determining the bidders qualifications under and in compliance with the Missouri Domestic Products Procurement Act.

The bidder's failure to complete and return this document with the bid as directed above will cause the State to presume the manufactured goods or products listed in the bid are not manufactured or produced in the United States, and the bid will be evaluated on that basis pursuant to Section 34.353.3(2), RsMO.

(Revised 08/96)

BID BOND

KNOW ALL PERSONS BY THESE PRESENTS, that we _____

_____ as principal and _____ as surety, are held and firmly bound unto the state of Missouri (acting by and through the Missouri Highways and Transportation Commission) in the penal sum of _____ Dollars (\$) to be paid to the commission to be credited to the state road fund, the principal and surety binding themselves, their heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

Sealed with our seals and dated this _____

THE CONDITION OF THIS OBLIGATION is such that

WHEREAS the principal is submitting herewith a bid to the commission on route(s) _____

in _____ County(ies), project (s) _____

_____ for construction or improvement of state highway as set out in said bid;

NOW THEREFORE, if the commission shall accept the bid of the principal and if the principal shall properly execute and deliver to the commission the contract, contract bond, and evidence of insurance coverage in compliance with the requirements of the bid, the specifications, and the provisions of section 227.100 RSMo, to the satisfaction of the commission, then this obligation shall be void and of no effect, otherwise to remain in full force and effect.

In the event the said principal shall, in the judgment of the commission, fail to comply with any requirement as set forth in the preceding paragraph, then the state of Missouri, acting by and through the commission, shall immediately and forthwith be entitled to recover the full penal sum above set out, together with court costs, attorney's fees, and any other expense of recovery.

The principal and surety hereby certify that the document is the original or a verbatim copy of the bid bond form furnished by the Commission, in accordance with Sec 102.9 of the Missouri Standard Specifications for Highway Construction.

Principal

SEAL

By _____
Signature

Surety

SEAL

By _____
Signature of Attorney in Fact

NOTE: This bond must be executed by the principal, and by a corporate surety authorized to conduct surety business in the state of Missouri.

**WORKER ELIGIBILITY VERIFICATION AFFIDAVIT FOR ALL
MHTC/MODOT CONTRACT AGREEMENTS IN EXCESS OF \$5,000**

(for joint ventures, a separate affidavit is required for each business entity)

STATE OF _____)
) ss
COUNTY OF _____)

On this _____ day of _____, 20____, before me appeared _____,
personally known to me or proved to me on the basis of satisfactory evidence to be a person whose name is subscribed to this
affidavit, who being by me duly sworn, deposed as follows:

My name is _____, and I am of sound mind, capable of making this affidavit, and
personally certify the facts herein stated, as required by Section 285.530, RSMo, to enter into any contract agreement with the state to
perform any job, task, employment, labor, personal services, or any other activity for which compensation is provided, expected, or
due, including but not limited to all activities conducted by business entities:

I am the _____ of _____, and I am duly authorized, directed, and/or empowered
to act officially and properly on behalf of this business entity.
title business name

I hereby affirm and warrant that the aforementioned business entity is enrolled in a federal work authorization program
operated by the United States Department of Homeland Security to verify information of newly hired employees, and the
aforementioned business entity shall participate in said program with respect to all employees working in connection to work under
the within state contract agreement with the Missouri Highways and Transportation Commission (MHTC). I have attached
documentation to this affidavit to evidence enrollment/participation by the aforementioned business entity in a federal work
authorization program, as required by Section 285.530, RSMo.

In addition, I hereby affirm and warrant that the aforementioned business entity does not and shall not knowingly employ, in
connection to work under the within state contract agreement with MHTC, any alien who does not have the legal right or authorization
under federal law to work in the United States, as defined in 8 U.S.C. § 1324a(h)(3).

I am aware and recognize that, unless certain contract and affidavit conditions are satisfied pursuant to Section 285.530,
RSMo, the aforementioned business entity may be held liable under Sections 285.525 through 285.550, RSMo, for subcontractors that
knowingly employ or continue to employ any unauthorized alien to work within the state of Missouri.

I acknowledge that I am signing this affidavit as a free act and deed of the aforementioned business entity and not under
duress.

Affiant Signature

Subscribed and sworn to before me this _____ day of _____, 20_____.

Notary Public

My commission expires:

[documentation of enrollment/participation in a federal work authorization program attached]

MISSOURI SERVICE-DISABLED VETERAN BUSINESS PREFERENCE

By virtue of statutory authority, RSMo 34.074, a preference will be given all contracts for the performance of any job or service to service-disabled veteran business either doing business as Missouri firms, corporations, or individuals; or which maintain Missouri offices or places of business, when the quality of performance promised is equal or better and the price quoted is the same or less or whenever competing bids, in their entirety, are comparable.

Definitions:

Service-Disabled Veteran is defined as any individual who is disabled as certified by the appropriate federal agency responsible for the administration of veterans' affairs.

Service-Disabled Veteran Business is defined as a business concern:

- a. Not less than fifty-one (51) percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than fifty-one (51) percent of the stock of which is owned by one or more service-disabled veterans; and
- b. The management and daily business operations of which are controlled by one or more service-disabled veterans.

If a bidder meets the definitions of a service-disabled veteran and a service-disabled veteran business as defined in 34.074 RSMo and is either doing business as a Missouri firm, corporation, or individual; or maintains a Missouri office or place of business, the bidder **must** provide the following with the bid in order to receive the Missouri service-disabled veteran business preference over a non-Missouri service-disabled veteran business when the quality of performance promised is equal or better and the price quoted is the same or less or whenever competing bids, in their entirety, are comparable:

- a. A copy of a letter from the Department of Veterans Affairs (VA), or a copy of the bidder's discharge paper (DD Form 214, Certificate of Release or Discharge from Active Duty) from the branch of service the bidder was in, stating that the bidder has a service-connected disability rating ranging from 0 to 100% disability; and
- b. A completed copy of this exhibit

(NOTE: For ease of evaluation, please attach copy of the above-referenced letter from the VA or a copy of the bidder's discharge paper to this Exhibit.)

By signing below, I certify that I meet the definitions of a service-disabled veteran and a service-disabled veteran business as defined in 34.074 RSMo and that I am either doing business as a Missouri firm, corporation, or individual; or maintain Missouri offices or places of business at the location(s) listed below.

Veteran Information

Business Information

Service-Disabled Veteran's Name, (Please Print)

Service-Disabled Veteran Business Name

Service-Disabled Veteran's Signature

Missouri Address of Service-Disabled Veteran
Business

Missouri Highways and Transportation Commission
Standard Bid/Proposal Provisions, General Terms and Conditions and Special Terms and Conditions

STANDARD SOLICITATION PROVISIONS

- a. The Missouri Department of Transportation (MoDOT) reserves the right to reject any or all bids/quotes/proposals, and to accept or reject any items thereon, and to waive technicalities. In case of error in the extension of prices in the bid/quote/proposal, unit prices will govern.
- b. All bids/quotes/proposals must be signed with the firm name and by a responsible officer or employee. Obligations assumed by such signature must be fulfilled.
- c. By virtue of statutory authority, a preference will be given to materials, products, supplies, provisions and all other articles produced, manufactured, made or grown, within the State of Missouri.
- d. Time of delivery is a part of the consideration and, if not otherwise stated in the solicitation documents, must be stated in definite terms by the Bidder/Offeror and must be adhered to. If time varies on different items, the Bidder/Offeror shall so state.
- e. If providing bids/quotes/proposals for commodities, the Bidder/Offeror will state brand or make on each item. If bidding or proposing other than the make, model or brand specified, the manufacturer's name, model number or catalog number must be given.
- f. **For bids/proposals of \$25,000 or more**, no bids/proposals by telephone, telegram or telefax will be accepted.
- g. The date specified for the returning of bids/quotes/proposals is a firm deadline and all bids/quotes/proposals must be received at the designated office by that time. The Department does not recognize the U.S. Mail, Railway Express Agency, Air Express, or any other organization, as its agent for purposes of accepting proposals. All proposals arriving at the designated office after the deadline specified will be rejected.

GENERAL TERMS AND CONDITIONS

General Performance

- a. Bidders are encouraged to obtain minority business enterprise (MBE) and women business enterprise (WBE) participation in this work through the use of subcontractors, suppliers, joint ventures, or other arrangements that afford meaningful participation for M/WBEs. Bidders are encouraged to obtain 10% MBE and 5% WBE participation.
- b. This work is to be performed under the general supervision and direction of the Missouri Department of Transportation (MoDOT) and, if awarded any portion of the work, the Contractor agrees to furnish at his own expense all labor and equipment required to complete the work, it being expressly understood that this solicitation is for completed work based upon the price(s) specified and is not a solicitation for rental of equipment or employment of labor by MoDOT, and MoDOT is to have no direction or control over the employees used by the Contractor in performance of the work.

Deliveries

- a. Unless otherwise specified on the solicitation documents or purchase order, suppliers shall give at least 24 hours advance notice of each delivery. Delivery will only be received between the hours of 8:00 a.m. to 3:00 p.m., Monday through Friday. Material arriving after 3:00 p.m. will not be unloaded until the following workday. No material will be received on Saturday, Sunday or state holidays.
- b. If the prices bid herein include the delivery cost of the material, the Contractor agrees to pay all transportation charges on the material as FOB - Destination. Freight costs must be included in the unit price bid and not listed as a separate line item.
- c. Any demurrage is to be paid by the Contractor direct to the railroad or carrier.

Nondiscrimination

- a. The Contractor shall comply with the Regulations relative to nondiscrimination in federally-assisted programs of the Department of Transportation, Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.
- b. All solicitations either by competitive bidding or negotiation made by the Contractor for work to be performed under a subcontract, including procurements of materials or leases of the Contractor's obligations under this contract and the Regulations, will be relative to nondiscrimination on the grounds of race, color, or national origin.
 - 1) **Sanctions for Noncompliance:** In the event of the Contractor's noncompliance with the nondiscrimination provisions of this contract, MoDOT shall impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:
 - i. withholding of payments to the Contractor under the contract until the Contractor complies, and/or,
 - ii. cancellation, termination or suspension of the contract, in whole or in part.

Contract/Purchase Order

- a. By submitting a bid/quote/proposal, the Bidder/Offeror agrees to furnish any and all equipment, supplies and/or services specified in the solicitation documents, at the prices quoted, pursuant to all requirements and specifications contained therein.
- b. A binding contract shall consist of: (1) the solicitation documents, amendments thereto, and/or Best and Final Offer (BAFO) request(s) with any changes/additions, (2) the Contractor's proposal and/or submitted pricing, and (3) the MHTC's acceptance of the proposal and/or bid by purchase order or post-award contract.
- c. A notice of award does not constitute an authorization for shipment of equipment or supplies or a directive to proceed with services. Before providing equipment, supplies and/or services, the Contractor must receive a properly authorized purchase order and/or notice to proceed.
- d. The contract expresses the complete agreement of the parties and performance shall be governed solely by the specifications and requirements contained therein. Any change, whether by modification and/or supplementation, must be accomplished by a formal contract amendment signed and approved by and between the duly authorized representative of the Contractor and the duly authorized representative of the MHTC, by a modified purchase order prior to the effective date of such modification. The Contractor expressly and explicitly understands and agrees that no other method and/or no other document, including correspondence, acts, and oral communications by or from any person, shall be used or construed as an amendment or modification.

Subcontracting

- a. It is specifically understood that no portion of the material or any interest in the contract, shall be subcontracted, transferred, assigned or otherwise disposed of, except with the written consent of MoDOT. Request for permission to subcontract or otherwise dispose of any part of the work shall be in writing to MoDOT and accompanied by documentation showing that the organization which will perform the work is particularly experienced and equipped for such work.
- b. Consent to subcontract or otherwise dispose of any portion of the work shall not be construed to relieve the Contractor of any responsibility for the production and delivery of the contracted work and the completion of the work within the specified time.
- c. All payments for work performed by a subcontractor shall be made to the Contractor to whom the contract was awarded and the purchase order issued.

Invoicing and Payment

- a. MoDOT is exempt from paying Missouri Sales Tax, Missouri Use Tax and Federal Excise Tax. However, the Contractor may themselves be responsible for the payment of taxes on materials they purchase to fulfill the contract. A Project Tax Exemption Certificate will be furnished to the successful Bidder/Offeror upon request if applicable.
- b. Each invoice should be itemized in accordance with items listed on the purchase order and/or contract. The statewide financial management system

Missouri Highways and Transportation Commission
Standard Bid/Proposal Provisions, General Terms and Conditions and Special Terms and Conditions

has been designed to capture certain receipt and payment information. Therefore, each invoice submitted must reference the purchase order number and must be itemized in accordance with items listed on the purchase order. Failure to comply with this requirement may delay processing of invoices for payment.

- c. Unless otherwise provided for in the solicitation documents, payment for all equipment, supplies, and/or services required herein shall be made in arrears. The Missouri Highways and Transportation Commission (MHTC) shall not make any advance deposits.
- d. The MHTC assumes no obligation for equipment, supplies, and/or services shipped or provided in excess of the quantity ordered. Any authorized quantity is subject to the MHTC's rejection and shall be returned at the Contractor's expense.
- e. The MHTC reserves the right to purchase goods and services using the state-purchasing card.

Applicable Laws and Regulations

- a. The contract shall be construed according to the laws of the State of Missouri. The Contractor shall comply with all local, state, and federal laws and regulations related to the performance of the contract.
- b. The Contractor must be registered and maintain good standing with the Secretary of State of the State of Missouri and other regulatory agencies, as may be required by law or regulations. Prior to the issuance of a purchase order and/or notice to proceed, the Contractor may be required to submit to MoDOT a copy of their current Authority Certificate from the Secretary of State of the State of Missouri.
 - 1) Prior to the issuance of a purchase order and/or notice to proceed, all **out-of-state** Contractors **providing services** within the state of Missouri must submit to MoDOT a copy of their current Transient Employer Certificate from the Department of Revenue, in addition to a copy of their current Authority Certificate from the Secretary of State of the State of Missouri.
- c. The exclusive venue for any legal proceeding relating to or arising, out of the contract shall be in the Circuit Court of Cole County, Missouri.

Executive Order

- a. The Contractor shall comply with all the provisions of Executive Order 07-13, issued by the Honorable Matt Blunt, Governor of Missouri, on the sixth (6th) day of March, 2007. This Executive Order, which promulgates the State of Missouri's position to not tolerate persons who contract with the state engaging in or supporting illegal activities of employing individuals who are not eligible to work in the United States, is incorporated herein by reference and made a part of this Agreement.
 - 1) "By signing this Agreement, the Contractor hereby certifies that any employee of the Contractor assigned to perform services under the contract is eligible and authorized to work in the United States in compliance with federal law."
 - 2) In the event the Contractor fails to comply with the provisions of the Executive Order 07-13, or in the event the Commission has reasonable cause to believe that the contractor has knowingly employed individuals who are not eligible to work in the United States in violation of federal law, the Commission reserves the right to impose such contract sanctions as it may determine to be appropriate, including but not limited to contract cancellation, termination or suspension in whole or in part or both.
 - 3) The Contractor shall include the provisions of this paragraph in every subcontract. The Contractor shall take such action with respect to any subcontract as the Commission may direct as a means of enforcing such provisions, including sanctions for noncompliance.

Preferences

- a. In the evaluation of bids/quotes/proposals, preferences shall be applied in accordance with Chapter 34 RSMo. Contractors should apply the same preferences in selecting subcontractors.
- b. By virtue of statutory authority, RSMo. 34.076 and 34.350 to 34.359, a preference will be given to materials, products, supplies, provisions and all other articles produced, manufactured, made or grown within the State of Missouri. Such preference shall be given when quality is equal or better and delivered price is the same or less.
 - 1) If attached, the document entitled "**PREFERENCE IN PURCHASING PRODUCTS**" should be completed and returned with the solicitation documents.
 - 2) If attached, the document entitled "**MISSOURI DOMESTIC PRODUCTS PROCUREMENT ACT**" should be completed and returned with the solicitation documents. **Applies if bid is Twenty-Five Thousand Dollars (\$25,000.00) or more.**
- c. By virtue of statutory authority, RSMo 34.074, a preference will be given all contracts for the performance of any job or service to service-disabled veteran business either doing business as Missouri firms, corporations, or individuals; or which maintain Missouri offices or places of business, when the quality of performance promised is equal or better and the price quoted is the same or less or whenever competing bids, in their entirety, are comparable.
 - 1) If attached, the document entitled "**MISSOURI SERVICE-DISABLED VETERAN PREFERENCE**" should be completed and returned with the solicitation documents.
- d. In the event of a tie of low bids, the MHTC reserves the right to establish the method to be used in determining the award

Remedies and Rights

- a. No provision in the contract shall be construed, expressly or implied, as a waiver by the MHTC of any existing or future right and/or remedy available by law in the event of any claim by the MHTC of the Contractor's default or breach of contract.
- b. The Contractor agrees and understands that the contract shall constitute an assignment by the Contractor to the MHTC of all rights, title and interest in and to all causes of action that the Contractor may have under the antitrust laws of the United States or State of Missouri for which causes of action have accrued or will accrue as the result of or in relation to the particular equipment, supplies, and/or services purchased or produced by the Contractor in the fulfillment of the contract with the MHTC.
- c. In the event a Contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the Contractor may request MoDOT to enter into such litigation to protect the interests of the MHTC, and, in addition, the Contractor may request the United States to enter into such litigation to protect the interests of the United States.

Cancellation of Contract

- a. The MHTC may cancel the contract at any time for a material breach of contractual obligations or for convenience by providing the Contractor with written notice of cancellation. Should the MHTC exercise its right to cancel the contract for such reasons, cancellation will become effective upon the date specified in the notice of cancellation sent to the Contractor.
- b. If the MHTC cancels the contract for breach, the MHTC reserves the right to obtain the equipment, supplies, and/or services to be provided pursuant to the contract from other sources and upon such terms and in such manner as the MHTC deems appropriate and charge the Contractor for any additional costs incurred thereby.

Missouri Highways and Transportation Commission
Standard Bid/Proposal Provisions, General Terms and Conditions and Special Terms and Conditions

Bankruptcy or Insolvency

- a. Upon filing for any bankruptcy or insolvency proceeding by or against the Contractor, whether voluntary or involuntary, or upon the appointment of a receiver, trustee, or assigned the benefit or creditors, the Contractor must notify MoDOT immediately. Upon learning of any such actions, the MHTC reserves the right, at its sole discretion, to either cancel the contract or affirm the contract and hold the Contractor responsible for damages.

Inventions, Patents, and Copyrights

- a. The Contractor shall defend, protect, and hold harmless the MHTC, its officers, agents, and employees against all suits of law or in equity resulting from patent and copyright infringement concerning the Contractor's performance or products produced under the terms of the contract.

Inspection and Acceptance

- a. No equipment, supplies, and/or services received by MoDOT pursuant to a contract shall be deemed accepted until MoDOT has had reasonable opportunity to inspect said equipment, supplies, and/or services.
- b. All equipment, supplies, and/or services which do not comply with the specifications and/or requirements or which are otherwise unacceptable or defective may be rejected. In addition, all equipment, supplies, and/or services which are discovered to be defective or which do not conform to any warranty of the Contractor upon inspection (or at any later time if the defects contained were not reasonably ascertainable upon the initial inspection) may be rejected.
- c. The MHTC reserves the right to return any such rejected shipment at the Contractor's expense for full credit or replacement and to specify a reasonable date by which replacements must be received.
- d. The MHTC's right to reject any unacceptable equipment, supplies, and/or services shall not exclude any other legal, equitable or contractual remedies the MHTC may have.

Warranty

- a. The Contractor expressly warrants that all equipment, supplies, and/or services provided shall: (1) conform to each and every specification, drawing, sample or other description which was furnished to or adopted by MoDOT, (2) be fit and sufficient for the purpose expressed in the solicitation documents, (3) be merchantable, (4) be of good materials and workmanship, and (5) be free from defect.
- b. Such warranty shall survive delivery and shall not be deemed waived either by reason of the MHTC's acceptance of or payment for said equipment, supplies, and/or services.

Status of Independent Contractor

- a. The Contractor represents itself to be an independent Contractor offering such services to the general public and shall not represent itself or its employees to be an employee of the MHTC. Therefore, the Contractor shall assume all legal and financial responsibility for taxes, FICA, employee fringe benefits, workers' compensation, employee insurance, minimum wage requirements, overtime, etc., and agrees to indemnify, save and hold the MHTC, its officers, agents and employees harmless from and against any and all losses (including attorney fees) and damage of any kind related to such matters.

Indemnification

- a. The Offeror shall defend, indemnify and hold harmless the Commission, including its members and department employees, from any claim or liability whether based on a claim for damages to real or personal property or to a person for any matter relating to or arising out of the Offeror's performance of its obligations under this Agreement.

SPECIAL TERMS AND CONDITIONS

Insurance

The Contractor shall maintain or cause to be maintained at Contractor's own expense commercial general liability, automobile liability, worker's compensation insurance against negligent acts, errors or omissions of the Contractor, or its subcontractors and anyone directly or indirectly employed by any of them. Any insurance policy required as specified in this Section shall be written by a company that is licensed and authorized to issue such insurance in the state of Missouri and shall provide insurance coverage for not less than the following limits of liability:

- a. General Liability: Not less than \$500,000 for any one person in a single accident or occurrence, and not less than \$3,000,000 for all claims arising out of a single occurrence;
- b. Automobile Liability: Not less than \$500,000 for any one person in a single accident or occurrence, and not less than \$3,000,000 for all claims arising out of a single occurrence;
- c. Missouri State Workmen's Compensation policy or equivalent in accordance with state law.

Upon request from the Commission, the Contractor shall provide the Commission with certificates of insurance evidencing the required coverage and that such insurance is in effect.

Proposal/Bid Guaranty/Contract Bond

- a. Each proposal shall be accompanied by a Bid Bond, Certified Check, Cashier's Check or Bank Money Order payable to the Director of Revenue – Credit State Road Fund for an amount equal to Five Percent (5%) of the amount of the BID submitted. This is to act as a guarantee that the bidder, if awarded the contract, will furnish an acceptable performance and payment bond (Contract Bond) or a cashier's check, a bank money order or a certified check made payable to "Director of Revenue--Credit State Road Fund" in an amount equal to One Hundred (100%) of the contract price.
- b. If a BID BOND is used (in lieu of a certified check, cashier's check, or bank money order), it must be in the form provided and executed by the bidder as principal and by a surety company authorized to do business in the State of Missouri as surety. The agent executing the same on behalf of the surety company must attach a current Power of Attorney setting forth his authority to execute the bond involved.
- c. Certified Checks, Cashier's Checks or Bank Money Orders of unsuccessful bidders will be returned as soon as the award is made. The checks or bank money orders of the successful bidder(s) will be retained until the contract is executed and a satisfactory Performance and Payment (Contract Bond) is furnished. Bid Bonds will not be returned except on specific request of the bidder.

Information and Reports

- a. The Contractor shall provide all information and reports required by the Regulations, or Directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Missouri Department of Transportation or the Federal Highway Administration to be pertinent to ascertain compliance with such Regulations or Directives. Where any information required of a Contractor is in the exclusive possession of another who fails or refuses to furnish this information the Contractor shall so certify to the Missouri Department of Transportation, or the Federal Highway Administration as appropriate, and shall set forth what efforts it has made to obtain the information.

Missouri Highways and Transportation Commission
Standard Bid/Proposal Provisions, General Terms and Conditions and Special Terms and Conditions

Prevailing Wage

- a. If the bid/quote/proposal is accepted, the vendor will be required to comply with the prevailing wages as fixed by the Missouri Department of Labor and Industrial Relations, in effect as of the date of the issuance of the solicitation, for each affected craft and type of workmen in the following county): Pike. The General Wage Order #54 may be inspected at any District Office or at the Central Office in Jefferson City, MO.
- b. The Contractor shall submit notarized weekly payroll affidavit documentation included with the project request for payment. The successful vendor must provide a lien waiver from all material suppliers.

Permits, Licenses and Safety Issues

- a. The contract price shall include any necessary permits and licenses required by law incidental to the work. Local ordinances requiring building permits are not applicable to state agencies.
- b. The Contractor will comply with local laws involving safety in the prosecution of the work.

Failure to Execute Contract

- a. Failure to execute the contract and file acceptable performance payment (Contract Bond) or cashier's check, bank money order or certified check within **10 days** after the contract has been mailed to the bidder shall be just cause for the cancellation of the award and the forfeiture of the proposal guaranty. Award may then be made to the next lowest responsible bidder, or the work may be re-advertised and performed under contract or otherwise, as the Commission may decide. No contract shall be considered effective until it has been executed by all parties thereto.

Temporary Suspension of Work

- a. The **District Engineer** shall have authority to suspend work wholly or in part for such period or periods as may be deemed necessary when weather or other conditions are such that in the opinion of the engineer, the work may be done at a later time with advantage to the Department or for failure on the part of the Contractor to comply with any of the provisions of the Contract.
- b. If the Department suspends the work for its own advantages and not because of the Contractor's failure to comply with the Contract, the Contractor will be allowed an equal number of calendar days after the completion date for the completion of the work. The Department may at its discretion give the Contractor an extension of time for completing the work where the Contractor incurs delays for causes beyond his control.
- c. Normal rainfall is not considered a cause qualifying for an extension of time. Claim for extension of time for all causes must be submitted by the Contractor in writing within **30 Days** after the claimed cause for the delay has ceased to exist.

Cancellation of Contract

- a. If the Contractor/supplier fails to carry out the performance of the work with sufficient workmen and equipment to insure the completion of the delivery within the time specified or becomes insolvent or is adjudicated a bankrupt or commits any act of bankruptcy or insolvency or allows any final judgment to stand against him for a period of ten (10) days, the Missouri Department of Transportation may give notice in writing by registered mail to the Contractor/supplier and the surety of such delay, neglect or default.
- b. If, within ten (10) days after such notice the Contractor/supplier does not proceed to remedy to the satisfaction of the Department's representatives the faults specified in said notice, or the surety does not proceed to take over the deliveries, the Department shall have full power and authority, without impairing the obligation of the Contractor/supplier under the contract or the surety under the bond, to take over the completion of the work and arrange for the shipment of any materials necessary to complete the work and the Contractor/supplier and the surety will be responsible for any additional costs incurred by the Department in obtaining the completion of the deliveries.

Environmental Issues

Attention of the bidder is invited to the **Land Reclamation Act, Chapter 444, Laws of 1971, (House Bill 519)** and the necessity for compliance if applicable.

The Contractor shall take necessary precautions and shall schedule and conduct his operations so as to avoid or minimize siltation of streams while removing gravel there from.

Prohibition Of Employment Of Unauthorized Aliens:

- a. Pursuant to RSMo 285.530 (1), no business entity or employer shall knowingly employ, hire for employment, or continue to employ an unauthorized alien to perform work within the state of Missouri. As a condition for the award of any contract or grant in excess of five thousand dollars by the state or by any political subdivision of the state to a business entity, or for any business entity receiving a state-administered or subsidized tax credit, tax abatement, or loan from the state, the business entity shall, by sworn affidavit and provision of documentation, affirm its enrollment and participation in a federal work authorization program with respect to the employees working in connection with the contracted services. Every such business entity shall sign an affidavit affirming that it does not knowingly employ any person who is unauthorized alien in connection with the contracted services. [RSMO 285.530 (2)] A copy of the affidavit referenced above is provided within this document.

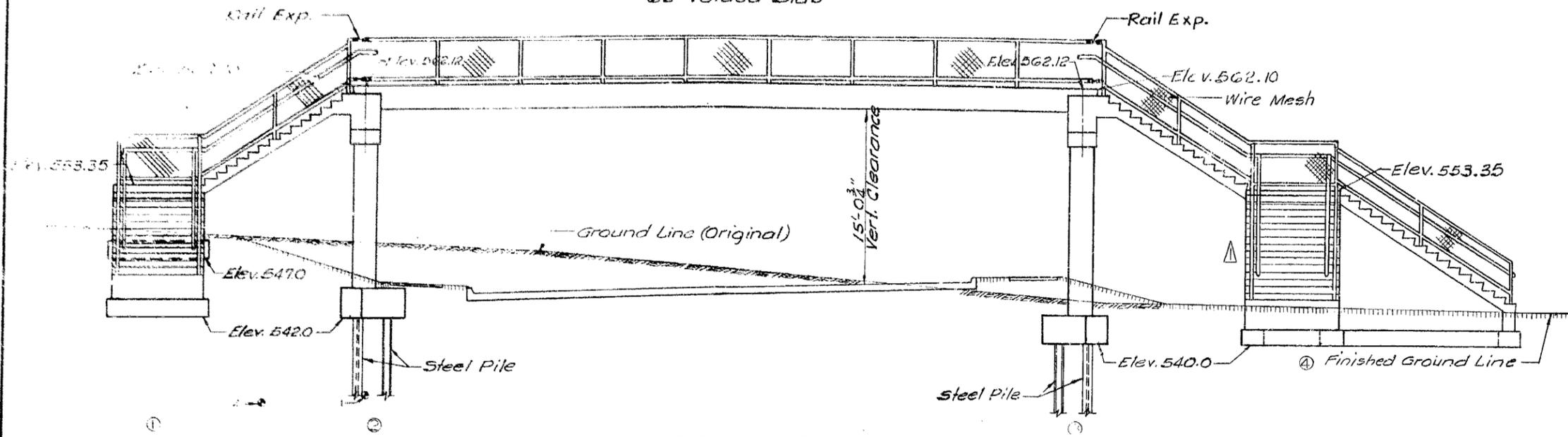
E-Verify is an example of a federal work authorization program. Acceptable enrollment and participation documentation consists of **completed** copy of the E-Verify Memorandum of Understanding (MOU). For vendors that are not already enrolled and participating in a federal work authorization program, E-Verify is available at http://www.dhs.gov/xprevprot/programs/gc_1185221678150.shtm.

Construction Safety Program

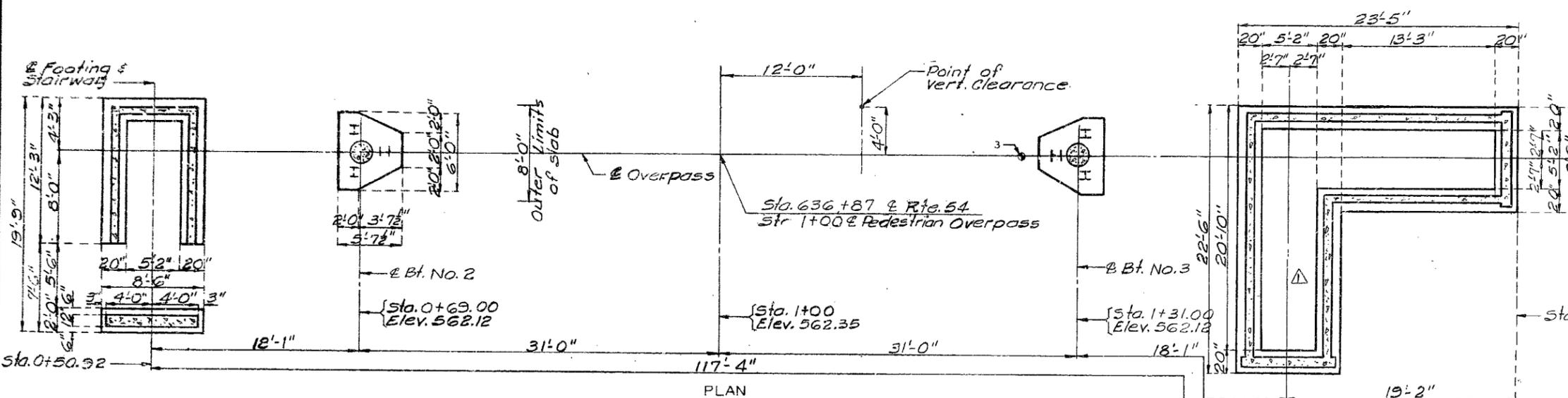
- a. Missouri law, 292.675 RSMo, requires the awarded Contractor and its subcontractor(s) to provide a ten-hour occupational safety and health administration (OSHA) construction safety program (or a similar program approved by the Missouri Department of Labor and Industrial Relations as a qualified substitute) for their on-site employees (laborers, workmen, drivers, equipment operators, and craftsmen) who have not previously completed such a program and are directly engaged in actual construction of the improvement (or working at a nearby or adjacent facility used for construction of the improvement). The Contractor and its subcontractor(s) shall require all such employees to complete this ten-hour program, pursuant to 292.675 RSMo, unless they hold documentation on their prior completion of said program. Penalties for non-compliance include Contractor forfeiture to the Commission in the amount of \$2,500, plus \$100 per contractor and subcontractor employee for each calendar day such employee is employed beyond the elapsed time period for required program completion under 292.675 RSMo.

MISSOURI STATE HIGHWAY DEPARTMENT
62' Voided Slab

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	25	



GENERAL NOTES:
 Design Specifications A.A.S.H.O.-1961
 Design Loading: A. A. S. H. O. - 1961
 Class B Concrete $f_c = 1,200$ psi
 Class B1 Concrete $f_c = 1,600$ psi
 Reinforcing Steel $f_s = 20,000$ psi
 Steel Pile (A.S.T.M. A36-63 T) $f_b = 6,000$ psi
 Surface Seal:
 Superstructure deck to be surface sealed.
 Paint:
 structural steel access door shall be cleaned and painted in the field or may be cleaned and painted one coat of red lead in the shop with the two remaining coats applied in the field except that final coat on access door and frame shall be gray. In lieu of painting, the contractor may, if he prefers, galvanize this item. All galvanizing shall be done after fabrication. Cost of painting or galvanizing to be included in price bid for other items.



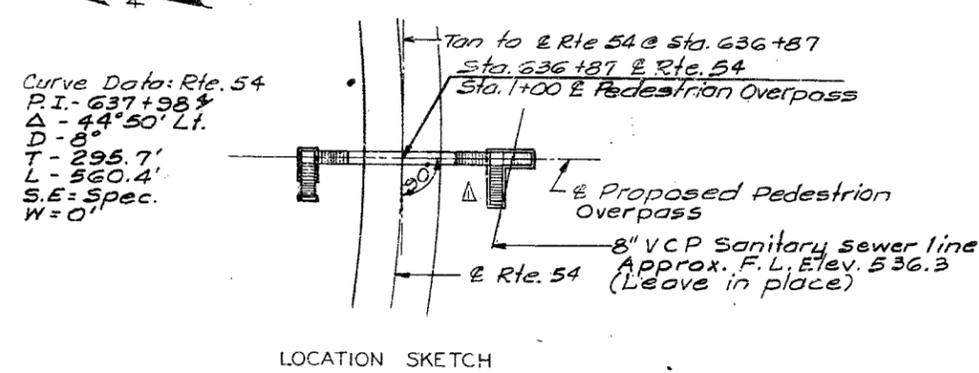
BENT NO.		1	2	3	4
BEARING PILE	Pile Type and Size		10BP48	10BP48	
	Number		3	3	
	Approximate Length Ft.		27'	27'	
	Design Bearing Tons		25.1	18.4	
Hammer Energy req'd Ft.Lbs			7000	6300	
SPREAD FOOTINGS	Foundation Material		Clay		Clay
	Design Bearing Tons/Sq. Ft.		1.1		1.2

Minimum energy requirement of hammer based on plan length and design bearing value of piles. Increase by the factor $(W+w)/2W$ when the weight of the ram (W) is less than the weight of the pile (w). All pile shall be driven to practical refusal.

Note: For boring data see sheet No. 3 of 6.
 "o" indicates location of boring in plan.

Item	Substr.	Superstr.	Total
Class I Excavation for structures	Cu. Yd. 9.5		9.5
Steel Piles-in Place (10")	Lin. Ft. 282		282
Class B Concrete	Cu. Yd. 16.6		16.6
Class B1 Concrete	Cu. Yd.	73.5	73.5
Reinforcing Steel	Lb. 850	13,150	14,000
4' Guard Fence (Steel-Galvanized)	Lin. Ft.	308	308

Note: All Concrete and reinforcing steel in footings shall be included in superstructure quantities. All other concrete and reinforcing steel shall be included in superstructure quantities.



DESIGNED Dec 1966 BY Apple
 DETAILED JAN. 1967 BY WILSON
 CHECKED Jan 1967 BY Moberly

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

Sheet No. 1 of 6. Revised 3/8/67

SUBMITTED BY *D.B. Jensen* DATE 2/10/67
 APPROVED BY *M.J. Miller* DATE 2/10/67

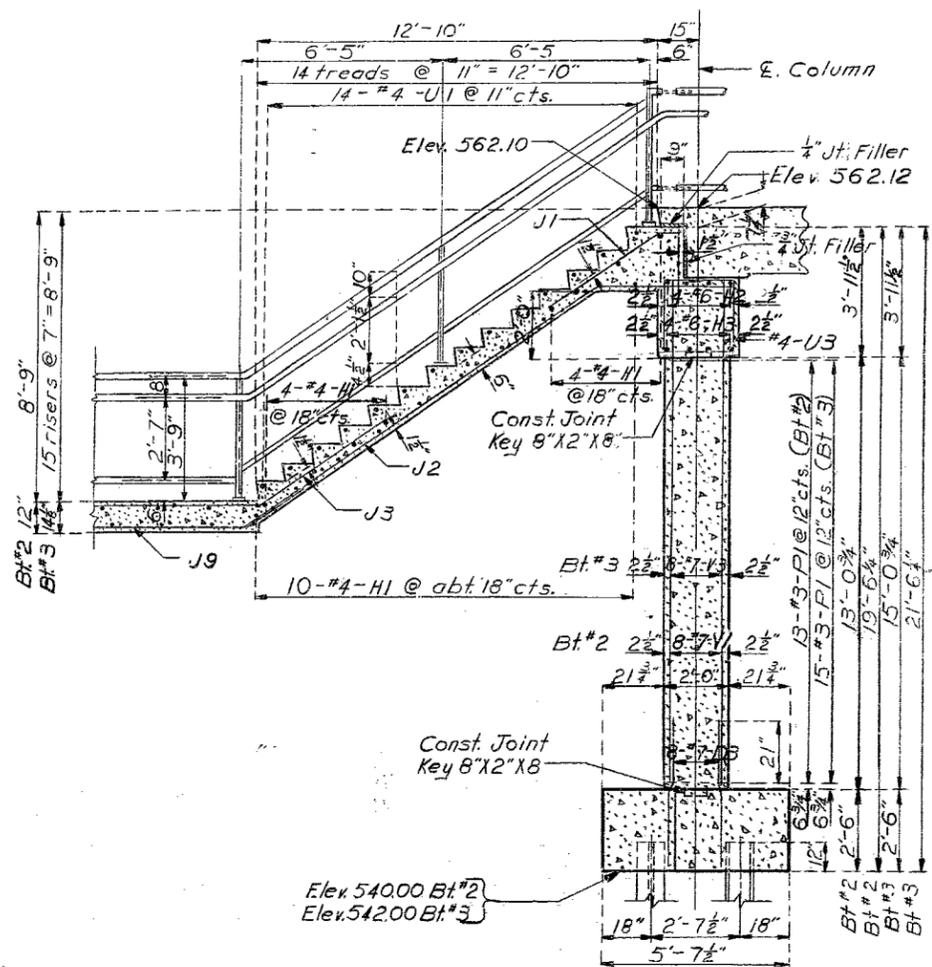
STD. 54.00
 A-1477

430

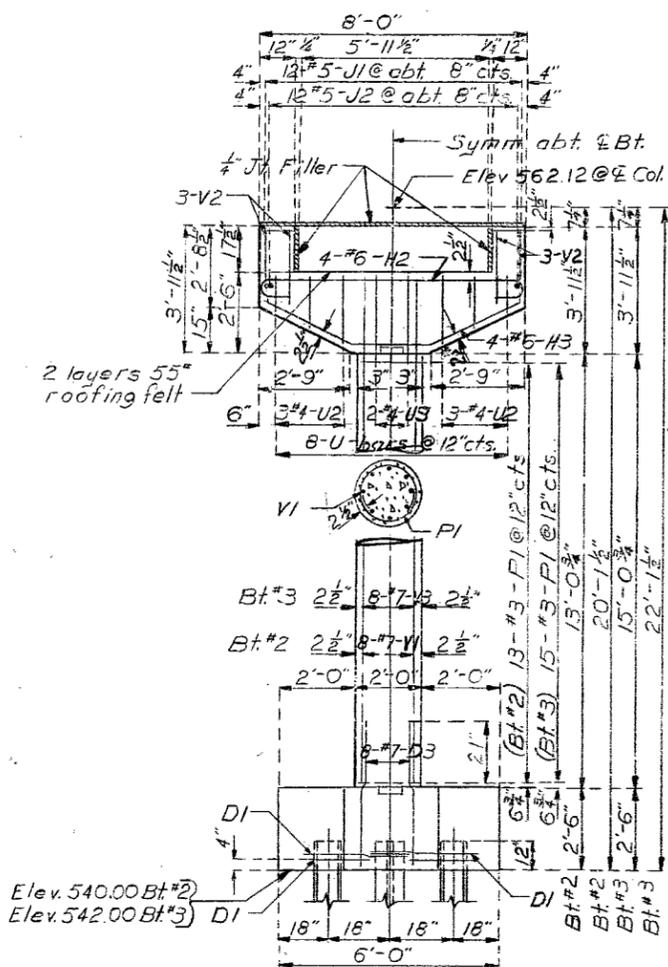
SEE RING PLANS BROWN LINES

MISSOURI STATE HIGHWAY DEPARTMENT

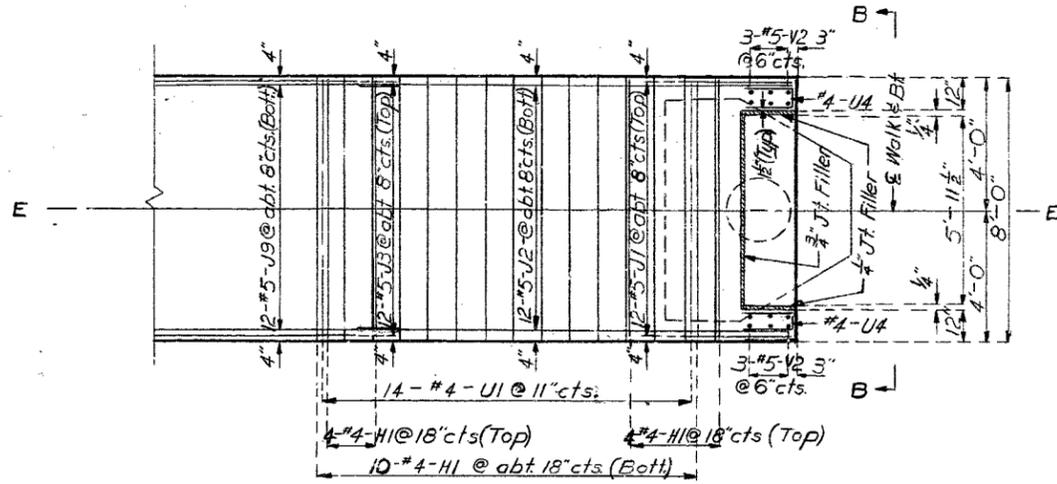
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5	MO.		19	27	



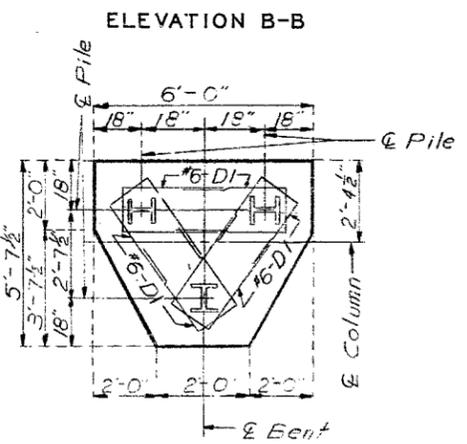
SECTION E-E
BENTS 2 & 3



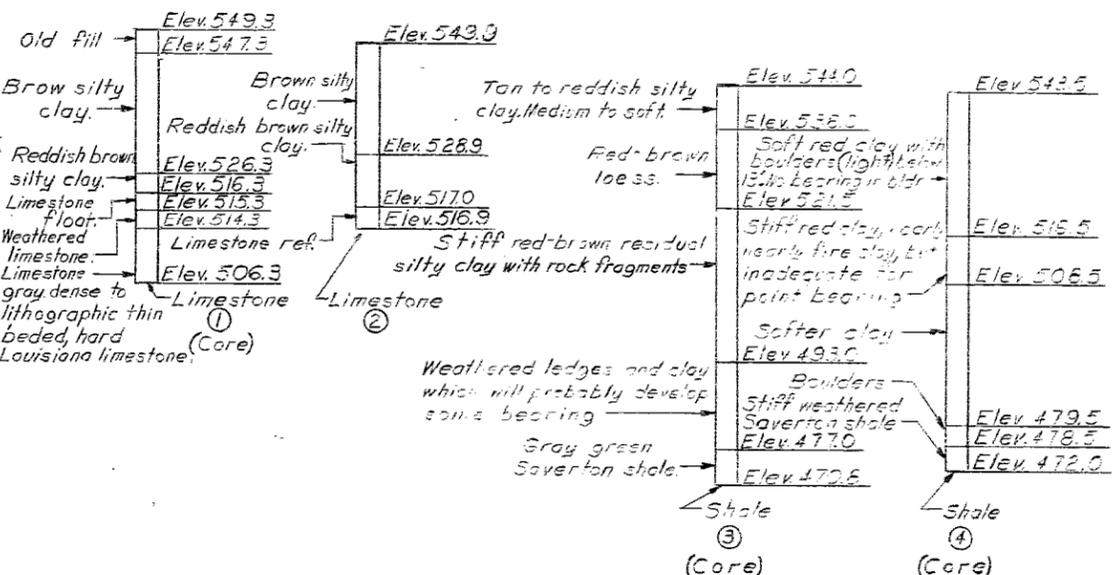
ELEVATION B-B



PLAN

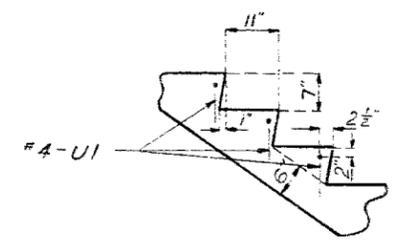


PLAN OF FOOTING
SHOWING REINFORCEMENT



LOG OF SOUNDINGS

Note: For location of borings see sheet No. 1 of 6.



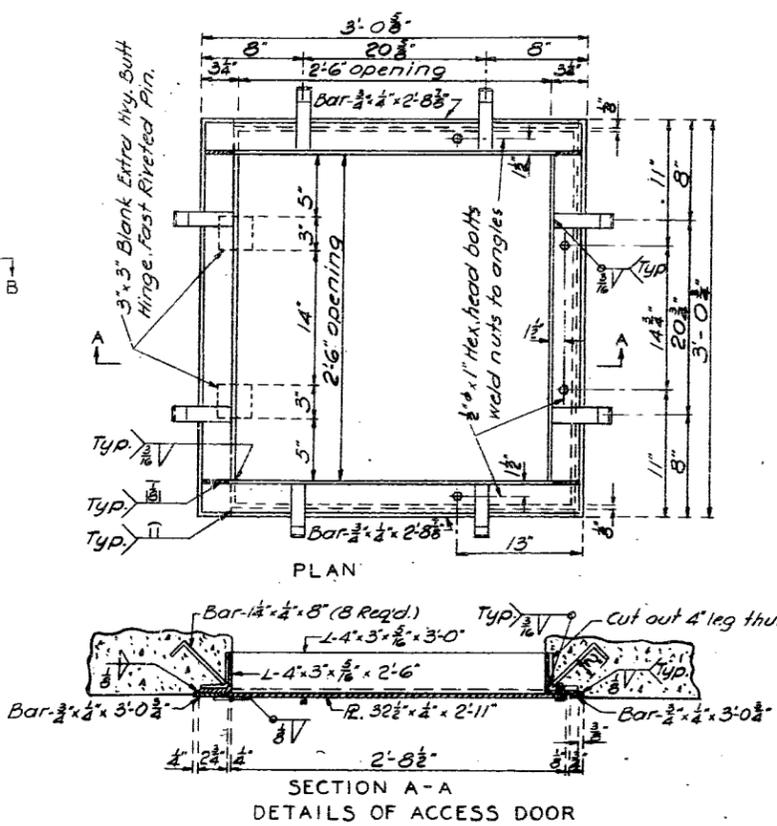
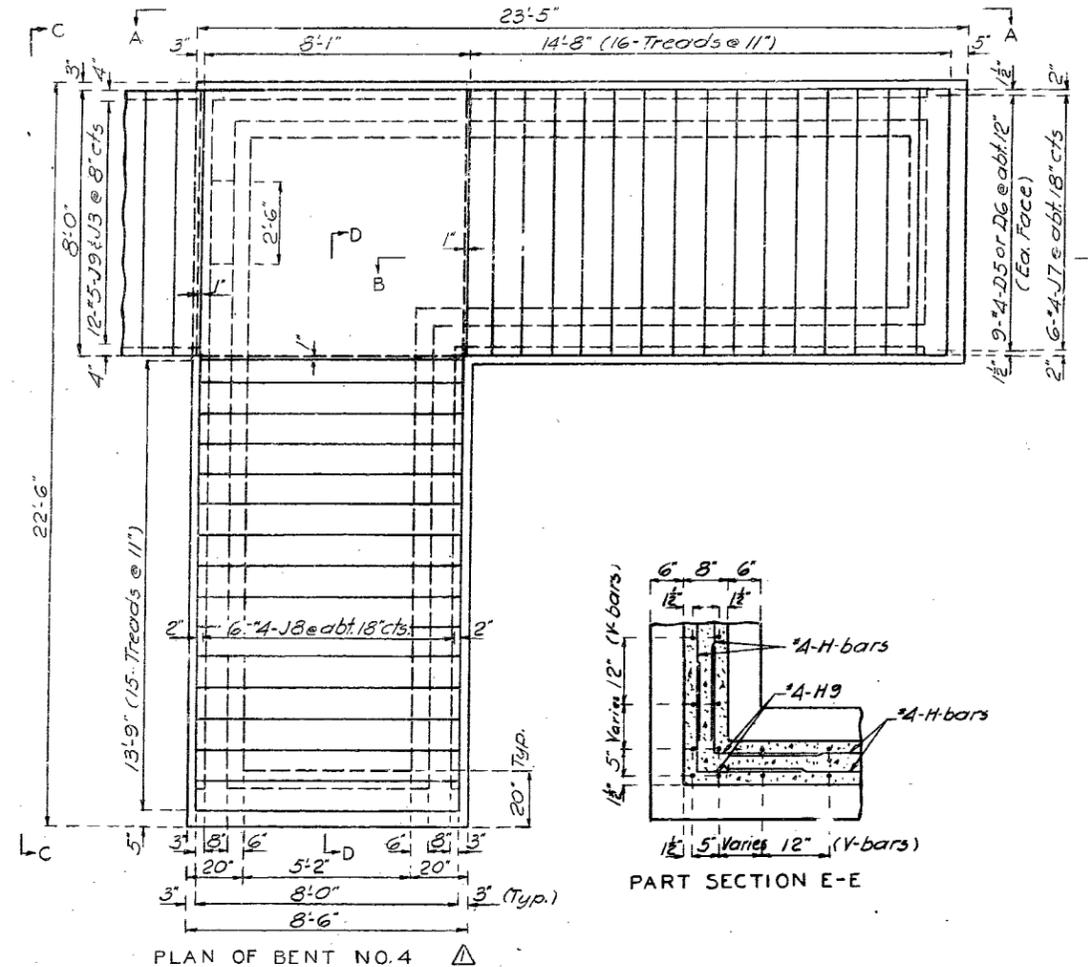
Note: Abrasive surface on stair treads. (see Special Provisions)

DETAIL OF STEP

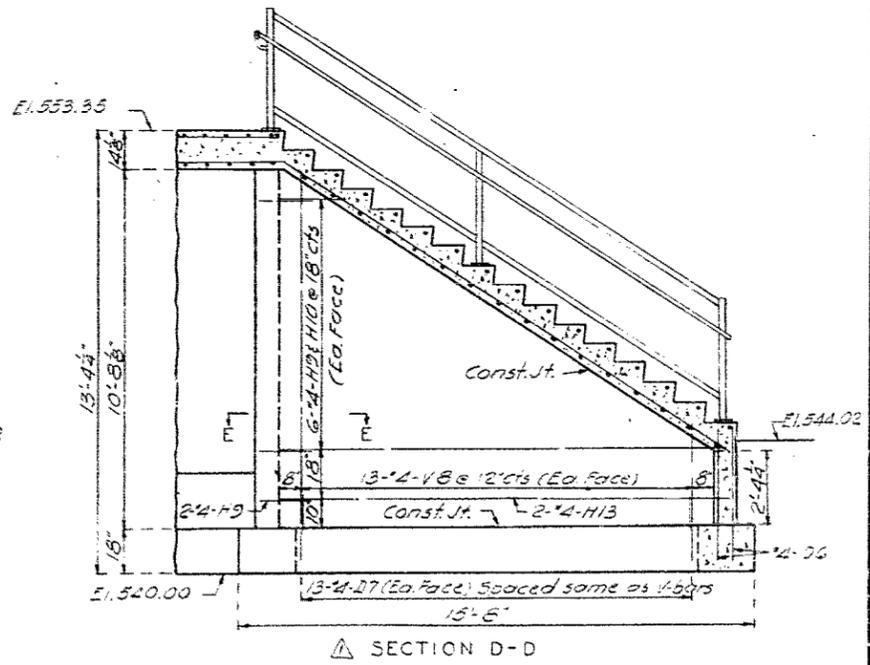
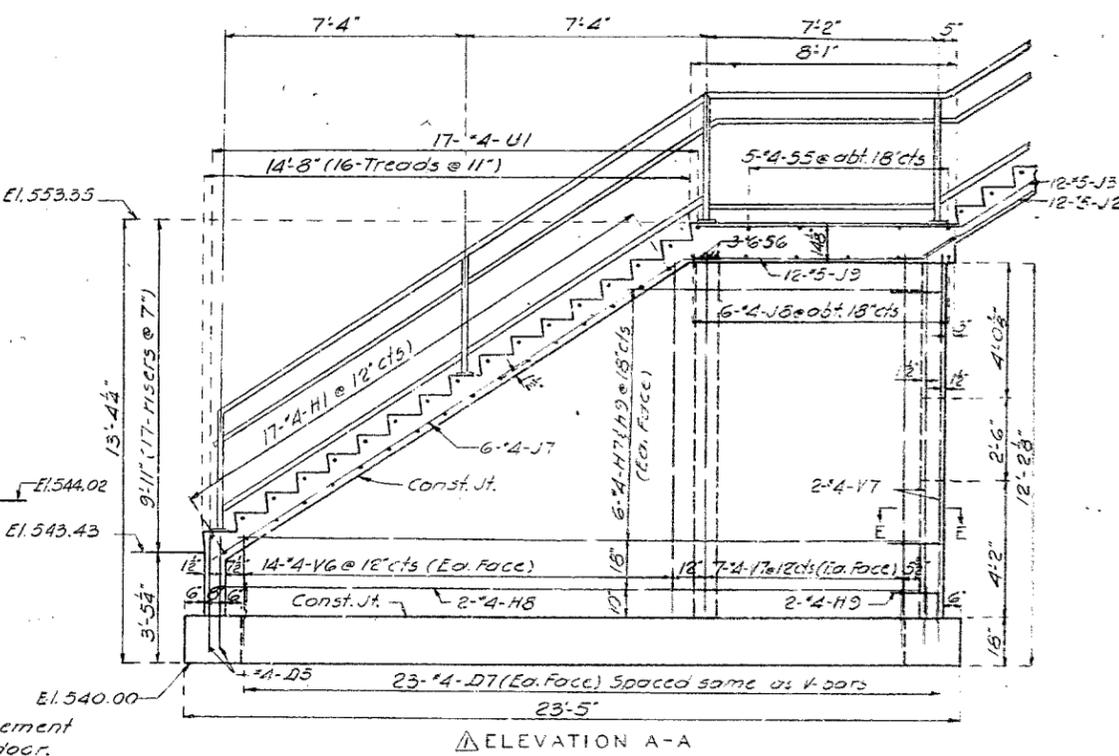
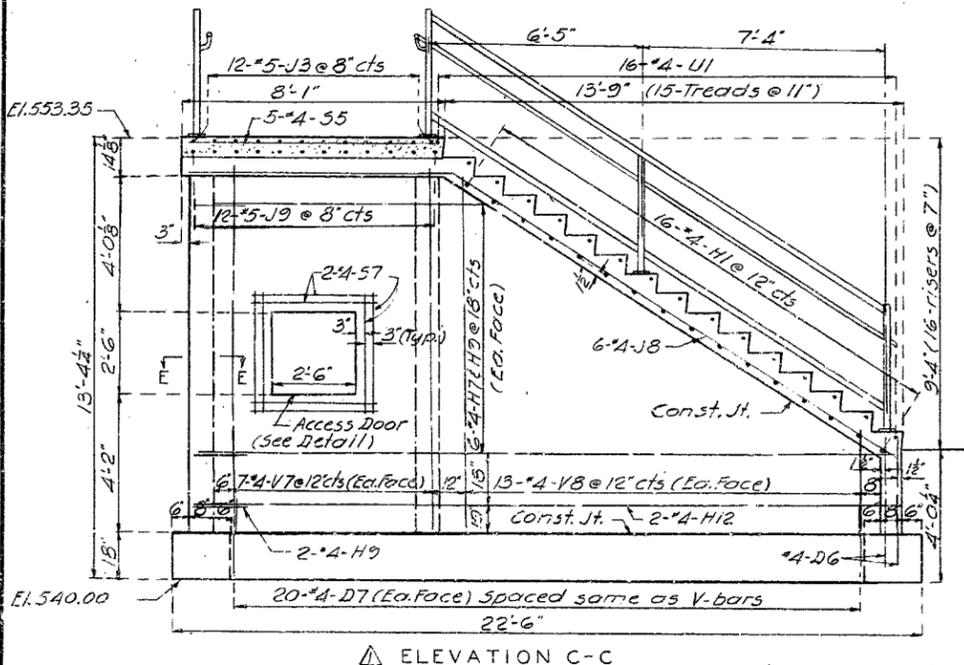
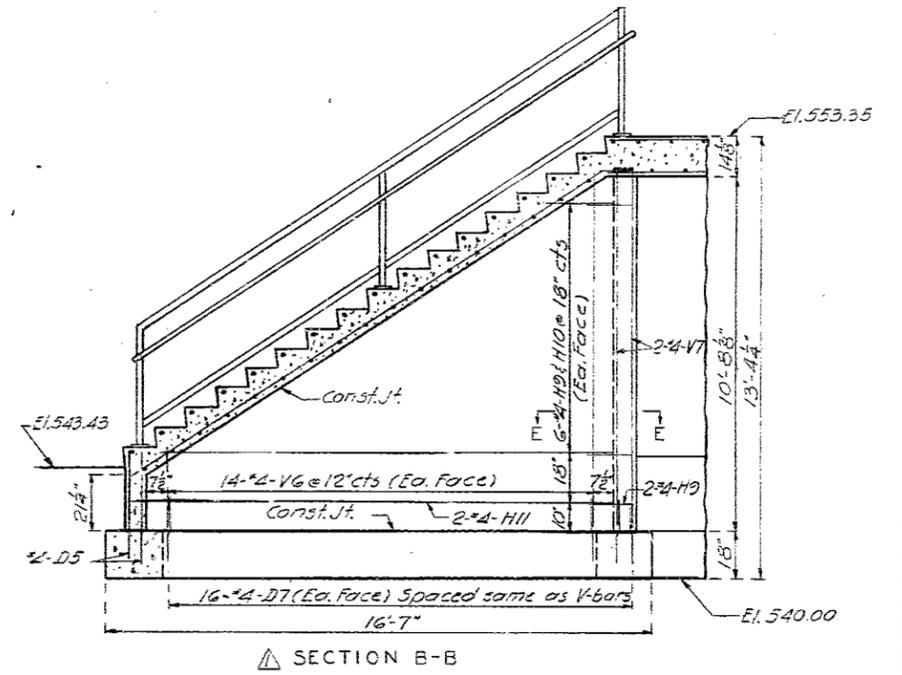
BRIDGE PEDESTRIAN OVERPASS NEAR SCHOOL
STATE ROAD FROM LOUISIANA SOUTHWEST
ABOUT 0.5 MILE S.W OF LOUISIANA
PROJECT NO. F 54 4 2 RTE 54 STA. 636 187
PIKE COUNTY

MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE NO.	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19		



Note: Access door to be assembled and in place while wall is being poured.
 Access door to be provided with suitable approved lock.
 Outside surface of door to be flush with the wall.
 Payment for furnishing and installing access door and frame shall be included in price bid for other items.



433
 DETAILED Jan. 1967 BY Riks
 CHECKED Jan. 1967 BY Moberly

Note: Cut or bend reinforcement in field to clear access door.

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

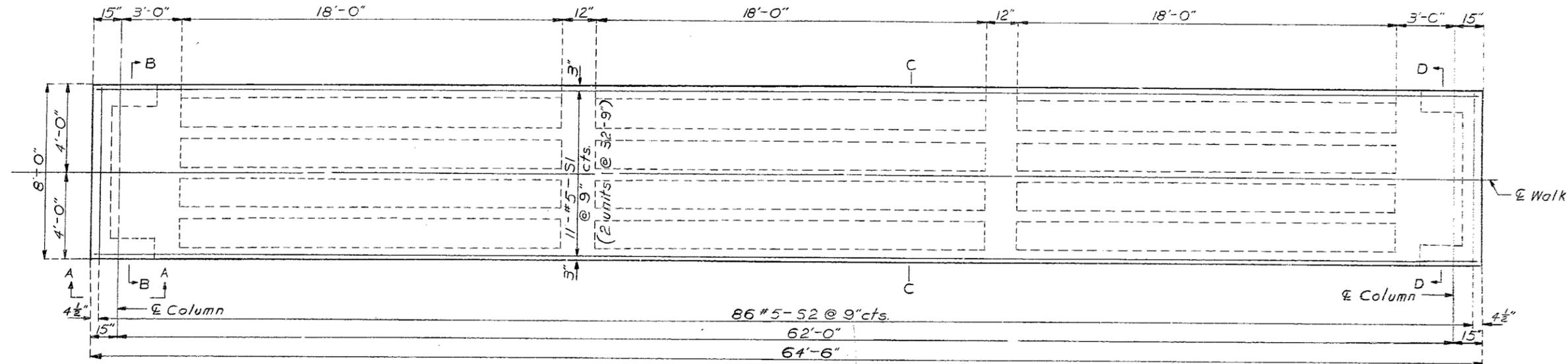
Sheet No. 4 of 6. Revised 3.8.67

BRIDGE : PEDESTRIAN OVERPASS NEAR SCHOOL
 STATE ROAD FROM LOUISIANA SOUTHWEST
 ABOUT 0.5 MILE S.W. OF LOUISIANA
 PROJECT NO. F-54-4(2) (RTE.54) STA. 636+87
 PIKE. COUNTY

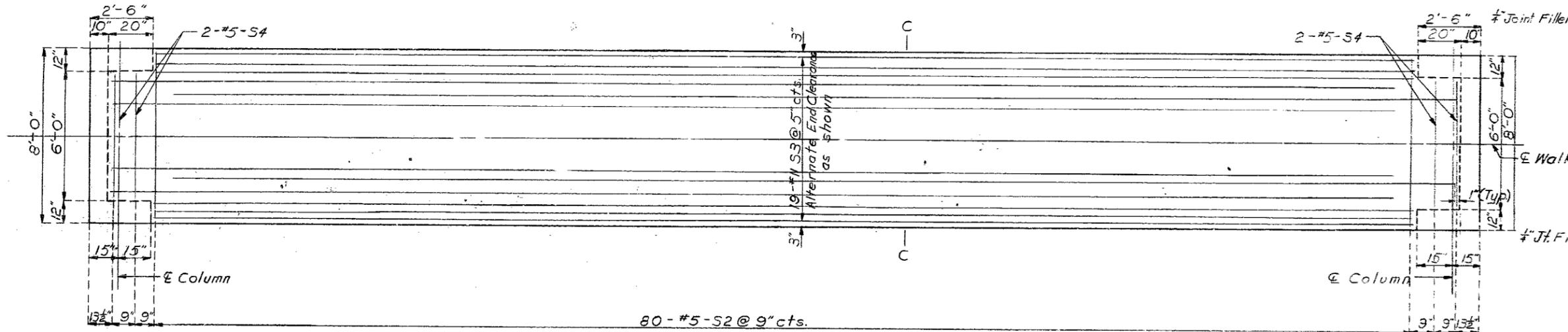
A-1477

MISSOURI STATE HIGHWAY DEPARTMENT

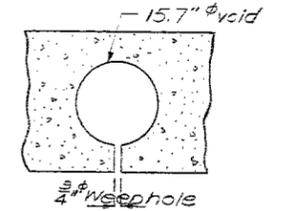
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	29	



PLAN OF SLAB SHOWING TOP REINFORCEMENT & VOIDS

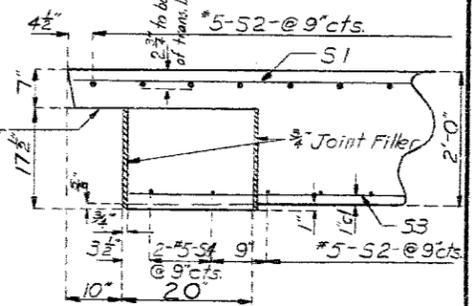


PLAN OF SLAB SHOWING BOTTOM REINFORCEMENT
(VOIDS NOT SHOWN)

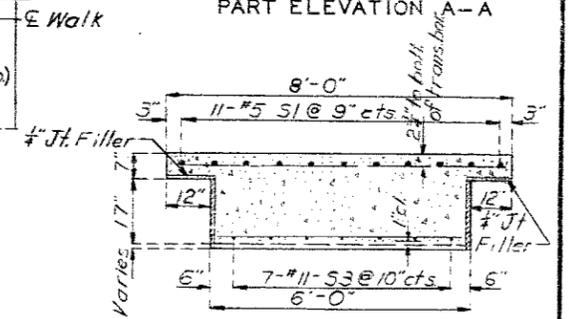


Note: One 3/4" weephole shall be provided near each end of each void. Weepholes shall be placed in straight lines parallel to bents.

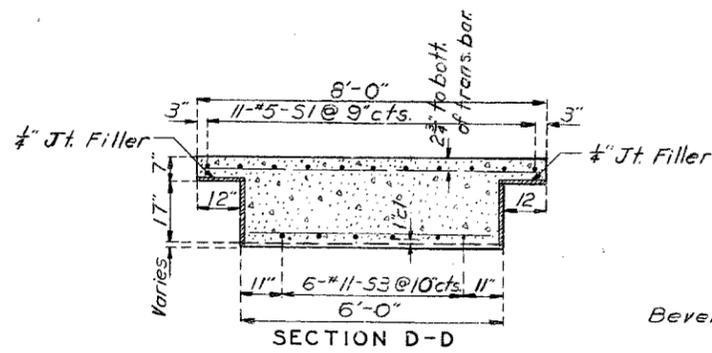
DETAIL OF WEEPHOLE
IN VOIDS



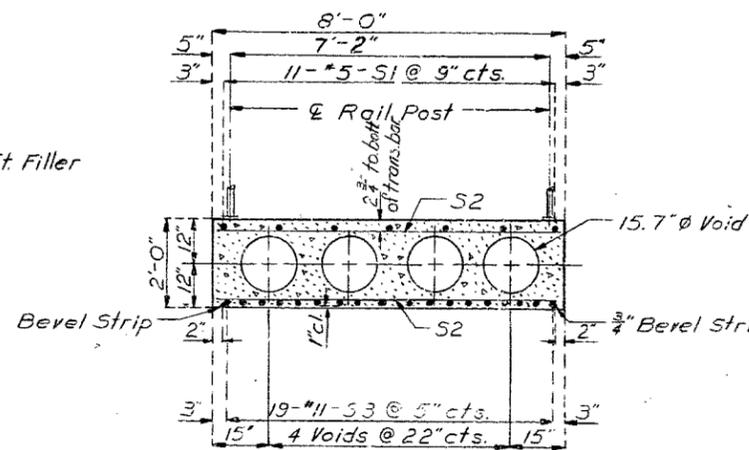
PART ELEVATION A-A



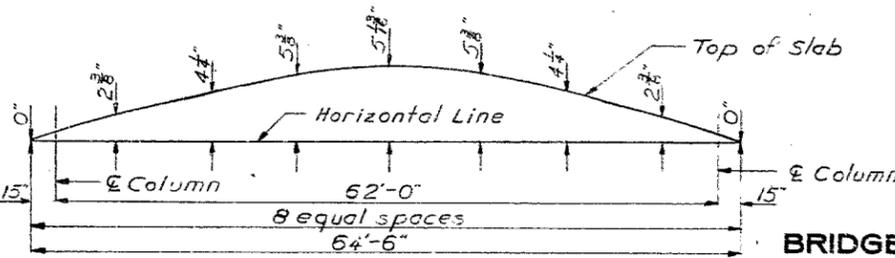
SECTION B-B



SECTION D-D



SECTION C-C



CAMBER DIAGRAM

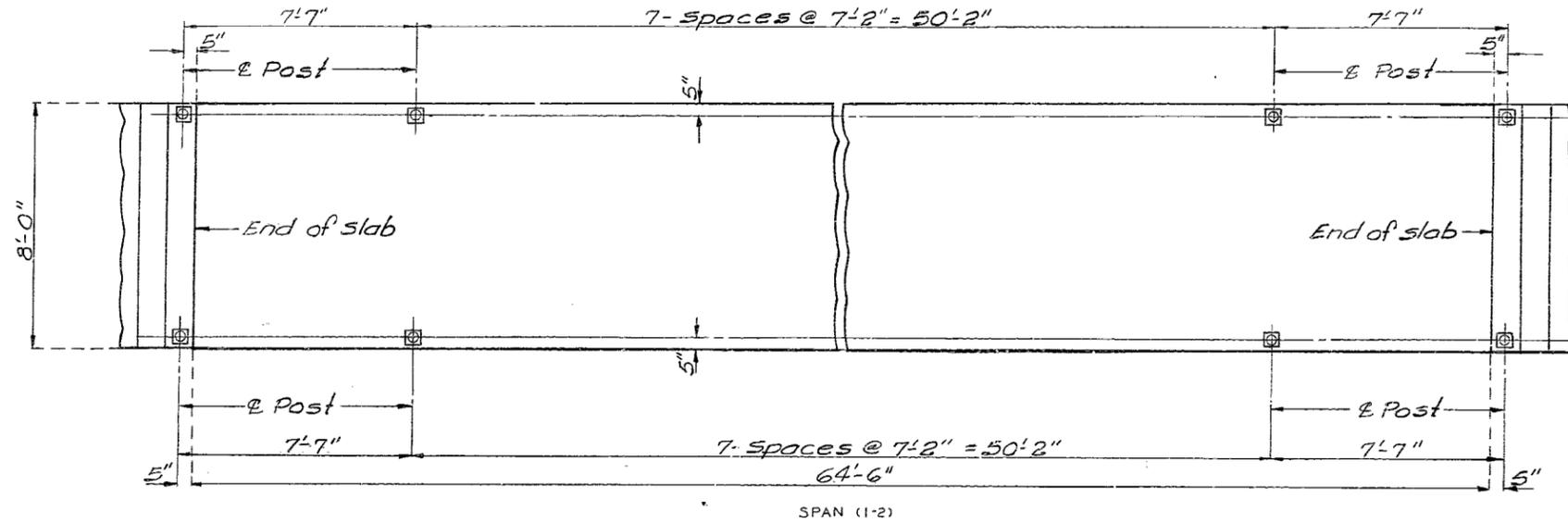
Includes vertical curve and ultimate deflection camber
Slab shall be constructed to a uniform depth of 2'-0"

BRIDGE PEDESTRIAN OVERPASS NEAR SCHOOL

STATE ROAD FROM LOUISIANA SOUTHWEST
ABOUT 0.5 MILE S.W. OF LOUISIANA
PROJECT NO. F-54-4 (2) (RTE 54) STA. 636 + 87
PIKE COUNTY

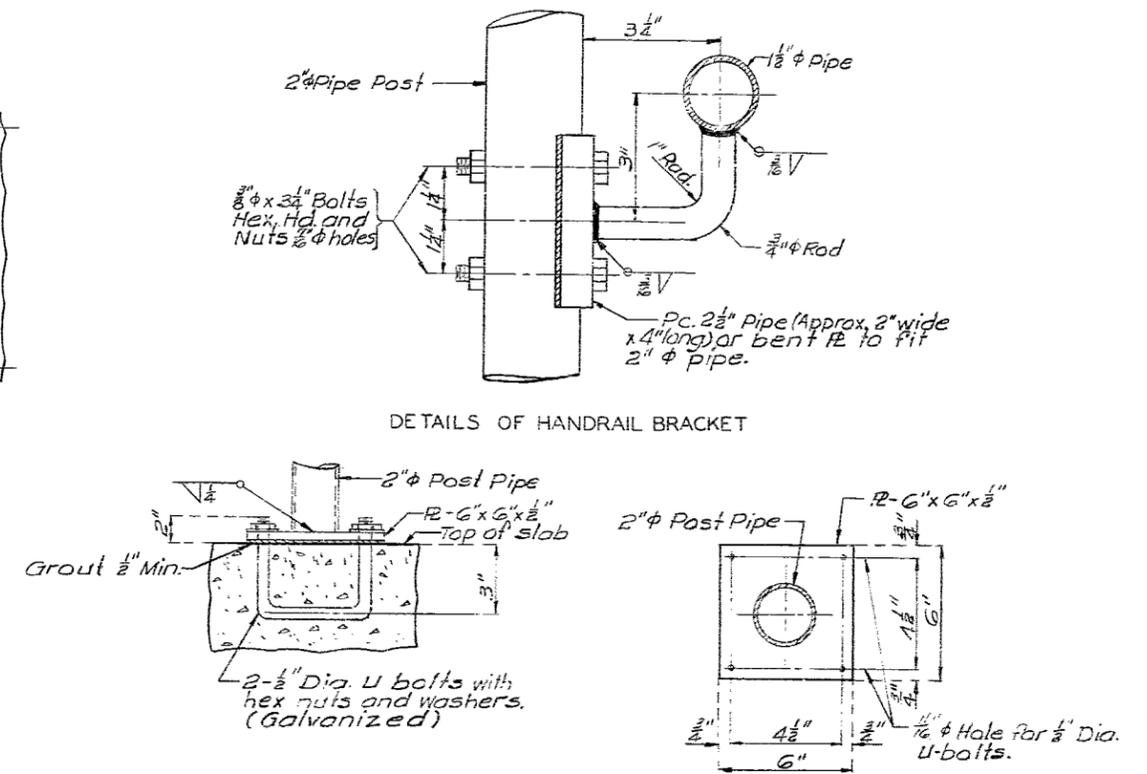
MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	30	



PART PLAN SHOWING RAIL POST SPACING

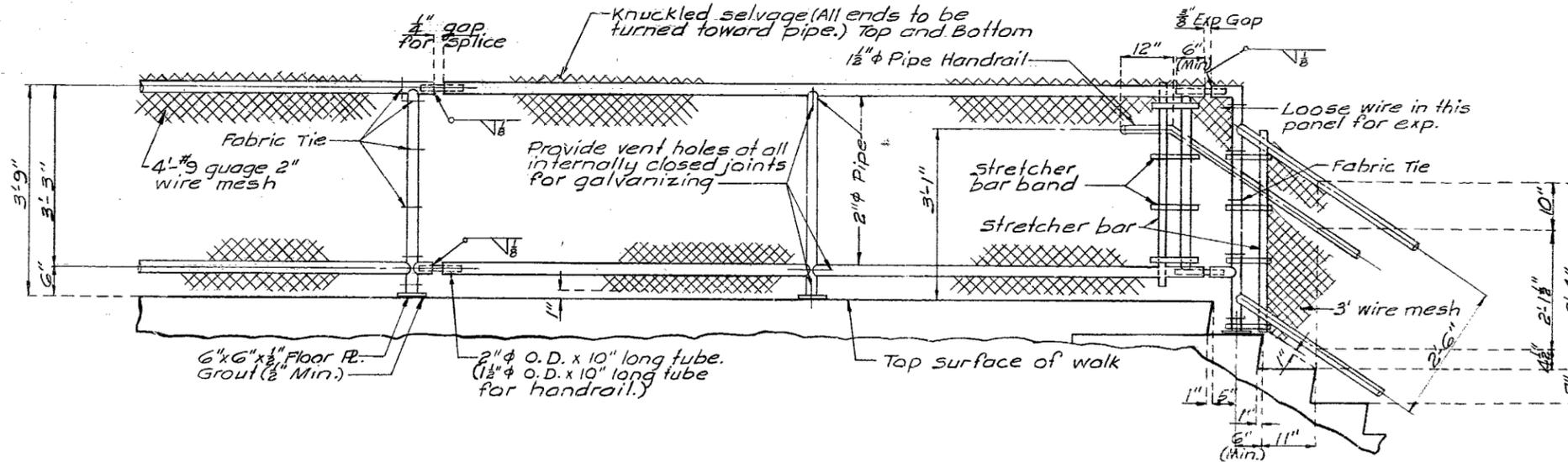
Note: All dimensions are horizontal.
See Sheets No. 2, 3 and 4 of 6 for rail post spacing on stairs.



DETAILS OF HANDRAIL BRACKET

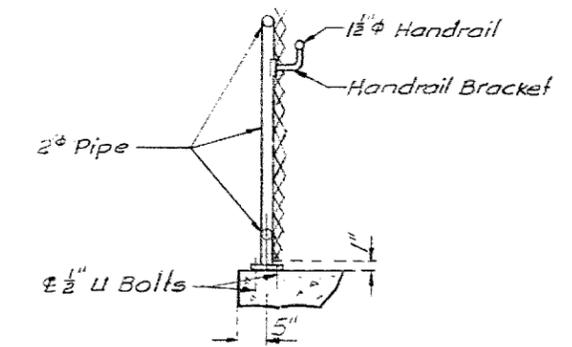
RAIL POST CONNECTION (TYPICAL)

DETAIL OF FLOOR PLATE



PART ELEVATION OF RAILS ON WALK & STEPS

Note: All material shall be galvanized.
All parts of guard rail shall be galvanized after fabrication.
Grout under rail posts shall be a minimum thickness of 1/2" and shall be varied as necessary to keep post vertical.
The contract unit price per linear foot for Guard fence (Galvanized) shall include furnishing and erecting the guard fence complete with 1 1/2" pipe handrail, handrail brackets, anchor bolts, washers and shims.



SECTION THRU FENCE

BRIDGE - PEDESTRIAN OVERPASS NEAR SCHOOL

STATE ROAD FROM LOUISIANA - SOUTHWEST

ABOUT 0.5 MILE S.W. OF LOUISIANA

PROJECT NO. F-54-4(2) (RTE. 54) STA. 636+87

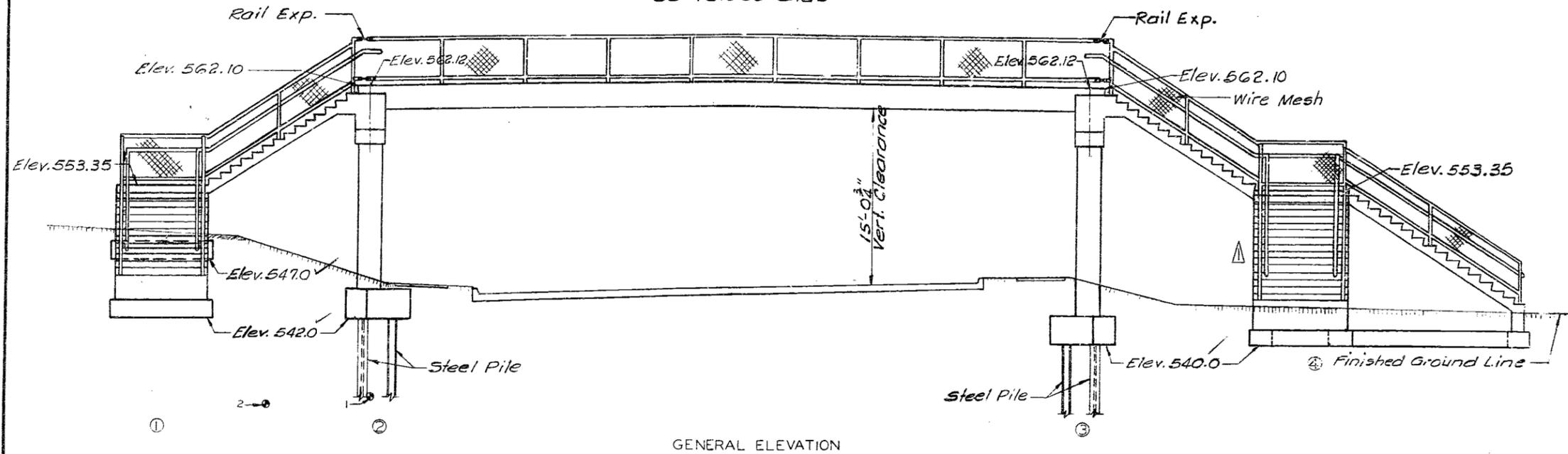
PIKE

COUNTY

MISSOURI STATE HIGHWAY DEPARTMENT
62' Voids Slab

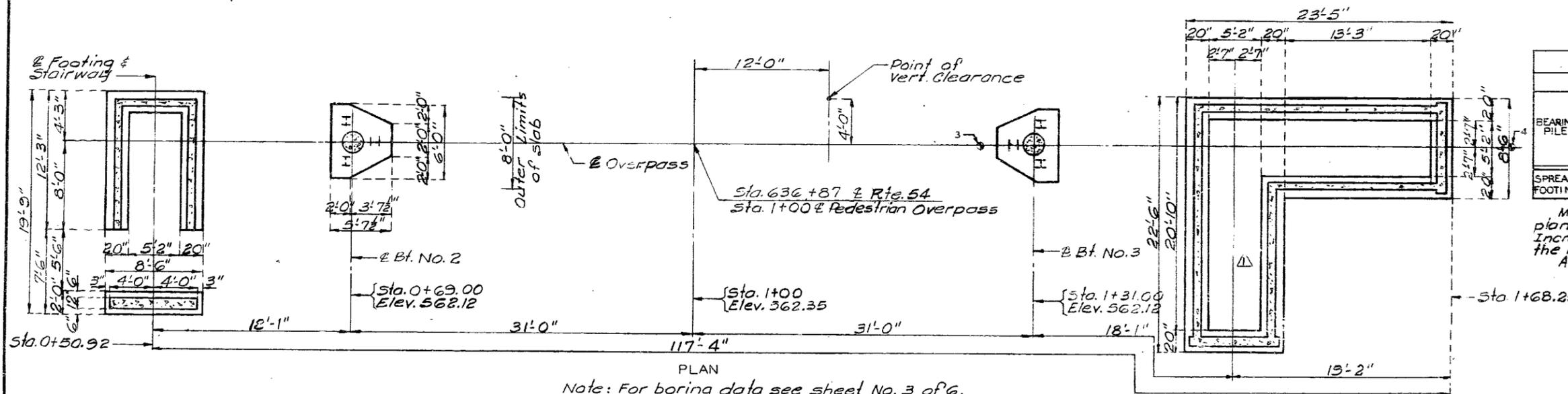
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.		19	25	

FINAL PLANS



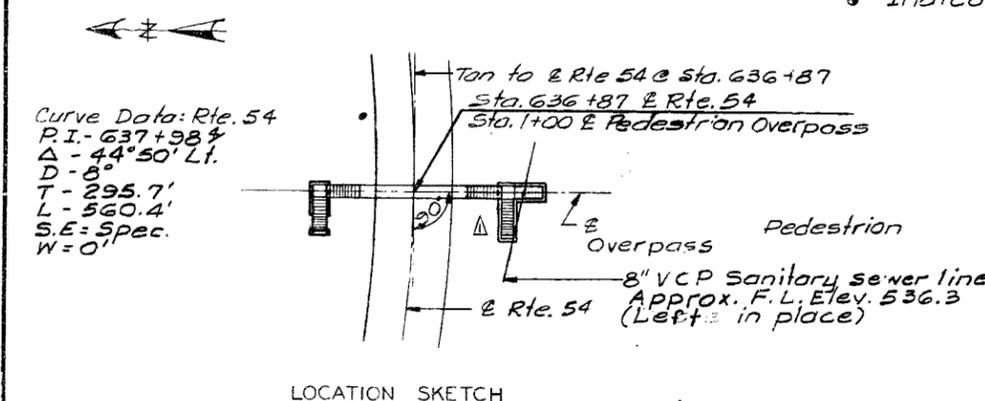
GENERAL NOTES:
 Design Specifications A.A.S.H.O.-1961
 Design Loading: A.A.S.H.O.-1961
 Class B Concrete $f_c = 1,200$ psi
 Class B Concrete $f_c = 1,600$ psi
 Reinforcing Steel $f_s = 20,000$ psi
 Steel Pile (A.S.T.M. A36-G3 T) $f_b = 6,000$ psi
 Surface Seal:
 Superstructure deck is surface sealed.
 Paint:
 Structural steel access door was cleaned and painted in the field.
 Final coat on access door and frame is gray.
 All galvanizing done after fabrication. Cost of painting and galvanizing was included in price bid for other items.

GENERAL ELEVATION



PILE & FOOTING DATA					
BENT NO.		1	2	3	4
BEARING PILE	Pile Type and Size	10BP4210BP42			
	Number	3	3		
	Approximate Length Ft.	33'	33'		
	Design Bearing Tons	25.1	18.4		
Hammer Energy req'd Ft-lbs		7000	8300		
SPREAD FOOTINGS	Foundation Material	Clay		Clay	
Design Bearing Tons/Sq. Ft.		1.1		1.2	

Minimum energy requirement of hammer based on plan length and design bearing value of piles. Increase by the factor $(W+w)/2W$ when the weight of the ram (w) is less than the weight of the pile (W).
 All pile driven to practical refusal.



DESIGNED Dec 1966 BY Eppe
 DETAILED JAN. 1967 BY WILSON
 CHECKED Jan 1967 BY Moberly

ESTIMATED QUANTITIES			
Item	Subsidiary	Supersidiary	Total
Class I Excavation for structures	Cu. Yd.	76.5	76.5
Steel Piles-in Place (10")	Lin. Ft.	195	195
Class B Concrete	Cu. Yd.	16.6	16.6
Class B Concrete	Cu. Yd.		73.5
Reinforcing steel	Lb.	850	13,150
4' Guard Fence (Steel-Galvanized)	Lin. Ft.		308
Pile Handling Charge	Lin. Ft.	59	59

Note: All concrete and reinforcing steel in footings included in substructure quantities. All other concrete and reinforcing steel included in superstructure quantities.

B.M. Elev. 537.04 Chis. 'X' on S.W. Corner Conc. Drive 284' Lt. Sta. 633+23
BRIDGE - PEDESTRIAN OVERPASS NEAR SCHOOL
 STATE ROAD FROM LOUISIANA SOUTHWEST
 ABOUT 0.5 MILE S.W. OF LOUISIANA
 PROJECT NO. F-54-4(2) (RTE. 54) STA. 636+87
 PIKE COUNTY

DESIGNED BY: D.B. Jensen
 DATE: 2/10/67
 APPROVED BY: W.J. Miller
 DATE: 2/10/67

STD. 54.00
 A-1477

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

Sheet No. 1A of 1 Revised 3/8/67

FINAL PLANS



MEMORANDUM
Missouri Department of Transportation
Construction and Materials
Central Laboratory

TO: April Fohey-3ri
COPY: ProjectWise
FROM: Steve Bates *sb*
Environmental Chemist
DATE: December 6, 2010
SUBJECT: Materials
Asbestos & Heavy Metal Paint Inspection
Route 54
Job No. N/A
Parcel – Bridge #A-1477
Pike County

We are providing you with the results of the requested inspection on the above referenced property. The inspection report contains an asbestos and a heavy metals survey, unless otherwise requested. The asbestos inspection included sample collection of suspect asbestos-containing material and National Voluntary Laboratory Accreditation Program (NVLAP) accredited testing to confirm the presence of asbestos. This asbestos and heavy metal paint report includes four different report forms. Form T746 lists all of the samples taken during the asbestos inspection. Form T747 shows only those samples that tested positive for Category I nonfriable asbestos-containing materials that may remain in the structure during demolition, if kept adequately wet to avoid visible air emissions. Form T748 shows only those samples that tested positive for asbestos and require removal prior to demolition. Form C760 lists all paint samples taken during the heavy metal paint inspection and their metal content.

In accordance with the National Emissions Standard for Hazardous Air Pollutants (NESHAP), as well as city and county asbestos abatement regulations - Registration, Notification, and Performance Requirements, regulated asbestos-containing material (RACM) namely, Friable and Category II nonfriable, have a high probability of becoming friable under normal demolition forces. Practices and procedures for removal prior to demolition, disposal, and clearances should be in accordance with referenced regulations. Missouri Department of Transportation policy is to perform asbestos abatements in accordance with NESHAP.

In accordance with Missouri Department of Natural Resources' Technical Bulletin "Managing Construction and Demolition Waste" dated January 31, 2003, a heavy metal paint inspection has been performed on the above referenced property. We are providing you with the results of this inspection. The inspection includes locating painted concrete, block and/or brick surfaces, sampling the painted surface(s) and testing the paint(s) to determine if hazardous heavy metals are present. Non-hazardous painted concrete, blocks, or bricks may be used as clean fill

materials, if properly handled. You must contact the Central Office Design Division for proper handling of the reported painted surfaces.

Although our survey included observing and sampling behind walls, above ceilings, beneath floors, etc., it is possible that potentially hidden asbestos-containing materials may exist within the structure. To our knowledge, we have located all suspect asbestos-containing and all painted concrete, block and brick surfaces. If suspect asbestos-containing materials or if painted concrete, block and/or brick surfaces are observed in addition to those reflected in this inspection report, then please advise us immediately so that we may schedule a follow-up inspection.

Should you have any questions regarding these reports, please contact me at (573) 526-4359.

db

J:\barred\asbestos\District 3\Misc\sb1012061 Bridge A1477.doc

Attachments

