



REQUEST FOR PROPOSALS TITLE PAGE
Include this Page as the First Page in the Proposal Response

City of Lynchburg, Virginia
Procurement Division

Proposal Title: Engineering Design Services for Main Street Bridge over Route 29 Expressway

This is the City of Lynchburg's Request for Proposals (RFP) No. 16-013, issued July 22, 2015. Direct inquiries for information should be directed to Stephanie Suter: e-mail: stephanie.suter@lynchburgva.gov; Phone: 434-455-3963; Fax: 434-845-0711. All requests for clarification or questions regarding this RFP must be made in writing and received by 2:00 p.m., August 6, 2015. All responses to this solicitation shall be in strict accordance with the requirements set forth in this RFP document and the ensuing contract documents.

Sealed proposals will be publicly accepted prior to **4:00 p.m., August 13, 2015**; however, only the names of firms responding will be available for announcement. Proposals received after the stated due date and time shall not be considered and will be returned to the Offeror. Submit proposals in a sealed, opaque envelope, and put the RFP number, title, due date and time on the lower left front. Offerors are responsible for having their proposal stamped by Procurement Division staff before the deadline indicated above and acknowledge all addenda so issued in the space provided below. Any alteration or changes to this RFP will be made only by written addendum issued by the Procurement Division, and all Offerors are responsible for obtaining issued addenda from the City's Procurement website: <http://www.lynchburgva.gov/current-solicitations>.

Acknowledge receipt of addenda here: No. _____ Date: _____ No. _____ Date: _____

Submit Proposals: BY MAIL, GROUND DELIVERY, OR HAND DELIVER TO:

Procurement Division
Third Floor City Hall
900 Church Street
Lynchburg, Virginia 24504

Information the Offeror deems Proprietary is included in the proposal response in section(s): _____

See Paragraph B. on page 2 for guidelines on submitting proprietary information.

In compliance with this Request for Proposals and all the conditions imposed therein, the undersigned offers and agrees to furnish the services in accordance with the attached proposal or as mutually agreed by subsequent negotiations. By my signature below, I certify that I am authorized to bind the Offeror in any and all negotiations and/or contractual matters relating to this Request for Proposals. Sign in ink and type or print requested information.

Full Legal Name of Offeror: _____

Fed ID OR SOC. SEC. NO.: _____ Date: _____

Address: _____ Phone: () _____

E-mail address: _____

Signature: _____

Typed or Printed Name, Title

City Procurement Manager's Signature

I. SUBMISSION OF PROPOSALS

- A. An original (1), so marked, and (5) copies, so marked, for a total of (6) of the proposal document are required. In addition, submit one (1) copy of proposal in an electronic format on CD. The City will not assume responsibility for reproduction where an insufficient number of copies have been supplied. In any such case, the City will notify the Offeror of the deficiency and request that the appropriate number of copies be delivered within 24 hours. Failure to comply with this or other requirements of this Request for Proposal shall be grounds for the City to reject such proposals. Telegraphic or facsimile submission of proposals is not acceptable and any such proposals will not be considered.
- B. **Submission of Proprietary Information**
Trade secrets or proprietary information submitted by an Offeror in connection with this procurement transaction shall not be subject to public disclosure under the Virginia Freedom of Information Act; however, the Offeror must invoke the protection of this section prior to or upon submission of the data or the materials, and must identify the data or other materials to be protected and state the reason why protection is necessary. (Section 2.2-4342 F. of the Code of Virginia). **Offerors shall submit, in a separate section of the proposal, any information considered proprietary and any copyrighted material and clearly identify the information as proprietary and/or copyrighted information. Offerors may not declare their entire proposal proprietary nor may they declare proposed pricing to be proprietary.** References may be made within the body of the proposal to proprietary information; however all information contained within the body of the proposal not in the separate section labeled proprietary shall be considered Public Information.
- C. Proposals having any erasures or corrections must be initialed by the Offeror in ink.
- D. The City reserves the right to accept or reject any or all proposals, to waive informalities, and to reissue any request for proposals and to award contracts to multiple Offerors. Any contract resulting from this Request for Proposal shall not be exclusive to the successful firm. The City reserves the right to contract with firms not party to the resultant contract for similar work if it determines this to be in their best interest. If this is a cooperative procurement, each entity referenced will award a contract in accordance with its respective independent procurement policies and procedures and as it deems will best serve its interest.
- E. By submitting a proposal, the Offeror agrees that the proposal will not be withdrawn for a period of 90 days following the due date for proposal responses.
- F. By submitting a proposal, the Offeror certifies that it has not combined, conspired or agreed to intentionally rig, alter or otherwise manipulate, or to cause to be rigged, altered or otherwise manipulated its proposal for the purpose of allocating purchases or sales to or among persons, raising or otherwise fixing the prices of the goods or services, or excluding other persons from dealing with the City.
- G. By submitting a proposal, the Offeror certifies that its proposal is made without collusion or fraud and that it has not offered or received any kickbacks or inducements from any other Offeror, supplier, manufacturer or subcontracting firm in connection with its proposal; and that it has not conferred on any public employee having official responsibility for this procurement transaction any payment, loan, subscription, advance, deposit of money, services or anything of more than nominal value, present or promised.
- H. Nothing herein is intended to exclude any responsible Offeror or in any way restrain or restrict competition. All responsible Offerors are encouraged to submit proposals.
- I. The City will not be responsible for any expense incurred by any Offeror in preparing and submitting a proposal. All proposals submitted will become the property of the City.
- J. By submitting a proposal, the Offeror is certifying that Offeror is not currently debarred by the City, or in a procurement involving federal funds, by the Federal Government. A copy of the City debarment procedure in accordance with Section 18.1-10 of the City's Procurement Ordinance is available upon request.

II. PURPOSE AND BACKGROUND

The City of Lynchburg is seeking proposals from highly qualified firms interested in providing engineering design services for replacement of the Main St. over Rte. 29 Expressway Bridge. Along with the replacement of the bridge, design services shall also include esthetic upgrades to both the bridge structure and gateways to downtown Lynchburg. Evaluation, recommendations and potential design services for the adjacent crib wall shall be performed. Services will include, but are not limited to: Conduct meetings with appropriate City, State/Federal regulatory agencies, recommend to City the types of replacement options, prepare detailed plans, specifications and cost estimates, preparation of bid documents, and provide construction phase services to include administration and inspection. This structure was constructed in 1955 with no major rehab work taking place. The bridge itself consists of four lanes of traffic both east and westbound with four lanes of traffic underneath. This structure connects the White Rock District and Rte. 29 Expressway to the downtown area.

This structure has an overall condition rating of poor. There have been multiple strikes to the superstructure with significant damage to beams 1 & 2 due to height clearance issues. The deck, parapets, sidewalk and substructure exhibit cracking, spalling and delamination throughout. Rust and corrosion is present throughout the railing system and superstructure. Rocker bearings at Abutment A are rocked excessively.

The latest Bridge Inspection Report is attached for informational purposes.

III. SCOPE OF SERVICES

All proposals must be made on the basis of, and either meet or exceed, the requirements contained herein. All Offerors shall submit a proposal demonstrating their capability for rendering the following prescribed tasks:

Phases: The following phases include all activities required by the Engineer to undertake and accomplish a full and complete project design, including (but not limited to):

Preliminary Design Phase:

1. Review all constraints and parameters as may be applicable to the design of the project.
2. Shall conduct all meetings with City staff and affected regulatory agencies to obtain information and to coordinate or resolve design matters.
3. Collect engineering data, undertake field investigations, surveys and architectural, engineering and environmental studies, and prepare permit applications for submission to the appropriate authority(s) where such permits are required.
4. Recommend replacement options and meet with City of Lynchburg to determine final replacement alternatives.
5. Prepare detailed plans, specifications and preliminary cost estimates.
6. Adhere to the City's published design standards and standard bidding format.
7. Participate in community meetings conducted by the City as necessary.

Final Design Phase:

1. Participate in public hearings conducted by the City to assist in answering questions.
2. Prepare final plans and specifications based on the preliminary plan approval and applicable Federal, State and Local regulations and requirements.
3. Print and provide necessary copies of engineering drawings and final contract specifications.
4. Plans shall be prepared in the latest available version of AutoCAD.

Bidding Phase:

1. Prepare the complete bid package including all bid documents in Microsoft word format.

2. Prepare plans and specifications and obtain written approval by City Engineering.
3. Present completed package, including a recommended listing of potential bidders with complete addresses, to the City for advertisement and public posting.
4. Facilitate any pre-bid conferences, attend the bid opening, review bids and recommend to the City award to the lowest responsive, responsible bidder who complies with all Federal, State and Local regulations. Engineer's recommendation must be in writing and must clearly state supporting reasoning for recommendations.

Construction Phase:

1. Attend the pre-construction conference,
2. Participate in monthly progress meetings,
3. Review submittals,
4. Process change orders;
5. Review pay applications;
6. Provide construction inspection as determined by the City of Lynchburg.

Responsibilities of the City:

1. Prepare the advertisement for construction bids, advertise the bid and pay the advertising costs.
2. Guarantee access to and make all provisions for the Engineer to enter upon public and private property as required for the Engineer to perform his/her services under this agreement.
3. Furnish all required approvals and permits from governmental authorities having jurisdiction over the Project and such approvals and consents from others as may be necessary for completion of the Project.
4. Give prompt written notice whenever the City observes or otherwise becomes aware of any development that affects the scope or timing of the Engineer's services.

Mandatory Requirements:

1. Compliance with all applicable terms of this RFP and the subsequently negotiated Contract.
2. Compliance with all applicable standards of the associated profession
3. Compliance with all applicable Federal, State and local laws

IV. PROPOSAL PREPARATION

Proposals must address the tasks included in the Scope of Services and the Criteria for Proposal Evaluation. Proposals should be prepared simply, providing straightforward and concise responses to requests for information and descriptions of qualifications and capabilities. Responses shall be limited to no more than 20 pages excluding the cover, including all other materials. Each copy of the proposal must be bound with all documentation in a single volume where practical. Failure to do so will result in a lowered evaluation. Incomplete proposals may be determined nonresponsive. Proposals with extraneous information will receive a lower ranking.

Offerors should organize their proposals using the format described below:

A. Title Page

Furnish the **REQUEST FOR PROPOSALS TITLE PAGE** and include it as the first page of the proposal. The name stated on the Title Sheet must be the full legal name of the Offeror and the address must be that of the office which will have the responsibility for the services provided.

B. Project Methodology

Describe the firm's general approach to providing service under this proposed contract. Respondents must state how the firm will meet the terms and conditions and provide the services requested herein.

C. Experience of the Offeror in Providing These Services

Include a statement of the Offeror's experience in providing the services stated in the Scope of Services, including history of the firm, principals, and qualifications to undertake this project. Provide a comprehensive list of personnel who would be assigned to the project and their direct relationship in coordinating proposed services, include individual's related experience, project team role and time commitment of each member. If any subcontractor firms will be used, they should be identified and their qualifications included in the proposal response. Include experience of key individuals to be assigned to this contract, emphasizing their experience in working with similar contracts and local governments. Show only experience directly related to their assigned duties under the proposed contract.

D. Project History

List current and past work assignments of similar nature that the firm has directly contracted to provide within the last five years with names, address and telephone number of references.

E. References

Provide a list of three clients for whom similar services have been provided and dates when the service was provided. Include client name, address, telephone number, facsimile number, description of type of services performed, and person the City may contact.

V. PROPOSAL EVALUATION AND AWARD

The City will review and evaluate each proposal and selection will be made on the basis of the criteria listed below:

- A. Expertise, extent of experience and performance on projects of similar nature. Identify all disciplines available within the firm and those that will be subcontracted to others which are relevant to the project scope.
- B. Experience and qualifications of the Project Manager and key staff members with similar types of projects. Staff size devoted to project, and the capacity of the firm to sustain loss of key personnel.
- C. Proposed approach to undertake the project outlined herein.
- D. Demonstrated understanding of the scope of work. Capabilities to perform work within the project schedule and budgetary requirements.

Method of Award

Following evaluation of the written proposals as submitted, presentations shall be held prior to selection. The opportunity to present shall be made to two or more Offerors deemed to be fully qualified and best suited among those submitting proposals, on the basis of the factors involved in the Request for Proposal, and respondents ranked 1, 2, 3 or more. Upon completion of the presentations the selection committee shall select the number 1 ranked firm and the City shall begin negotiations with that firm in an attempt to reach an agreement to provide the services. Price shall be considered, but need not be the sole determining factor. If after negotiations have been conducted with the top ranked firm, an agreement cannot be reached, negotiations will be terminated with that firm, and negotiations began with the firm ranked number 2. This procedure will continue until an agreement is reached or negotiations are terminated and the services re-solicited. At any stage of the selection process should the City determine in writing and in its sole discretion that only one Offeror is fully qualified, or that one Offeror is clearly more highly qualified than the others under consideration, a contract may be negotiated and awarded to that Offeror.

Notice of Award will be posted on the City's web site (www.lyncburgva.gov) and on the bulletin board located outside of the Procurement Office, 3rd floor City Hall, 900 Church Street, Lynchburg, Virginia, 24504.

VI. CONTRACT TERM

The initial term of the contract shall be for preliminary design with the option to extend the contract through additional phases of the project upon mutual agreement of both parties.

Any extension to continue providing these services shall be based on the same terms and conditions as the original contract.

VII. GENERAL TERMS AND CONDITIONS

The Contract for Services (“Contract” or “Agreement”) with the successful Offeror will contain the following Terms and Conditions. Offerors taking exception to these terms and conditions or intending to propose additional or alternative language must (a) identify with specificity the City Terms and Conditions to which they take exception or seek to amend or replace; and (b) include any additional or different language with their proposal. Failure to both identify with specificity those terms and conditions Offeror takes exception to or seeks to amend or replace as well as to provide Offeror’s additional or alternate Contract terms may result in rejection of the proposal.

A. Subcontracting and Assignment of Work

The Consultant shall not subcontract or assign portions of the work, other than those specifically defined in the contract, without the express written consent of the City. A description of any work the Offeror proposes to subcontract shall be submitted to the City for review and approval along with the name and address of the individual, firm, or corporation that is the proposed subcontracting firm. This submittal shall also include a list of the key personnel that the subcontractor will assign to the project. All work performed by any subcontractor shall be coordinated by the Consultant who shall be responsible to the City for all work performed by any subcontractor or special consultant.

B. Independent Successful Firm

The Consultant is an independent firm and nothing contained in a subsequent contract shall constitute or designate such firm or any of its agents or employees as employees of the City.

C. Notification

Any notice required by the contract shall be effective if given by registered mail, return receipt requested, to the Consultant in the name and at the address given in its proposal submission; provided that change of address shall be effective if given in accordance with this paragraph. Unless otherwise specified, any notice to the City shall be given to the City of Lynchburg, Procurement Manager, 900 Church Street, Lynchburg, VA 24504. The Consultant agrees to notify the City immediately of any change of legal status or of address. Any notice provided in accordance with this paragraph shall be deemed to have been completed five calendar days after the date of mailing.

D. Cooperative Procurement

As authorized in § 2.2-4304 of the Code of Virginia, this procurement is being conducted on behalf of and may be used by public bodies, agencies, institutions and localities of the several states, territories of the United States, and the District of Columbia with the consent of the Consultant.

E. Termination

Subject to the provisions below, the contract may be terminated by the City upon thirty (30) days advance written notice to the Consultant; but if any work or service hereunder is in progress, but not completed as of the date of termination, then the contract may be extended upon written approval of the City until said work or services are completed and accepted. All information and materials gathered and/or prepared by or for it under the terms of the contract shall be delivered to, become and remain the property of the City. The City shall have the right to use and reproduce the data and reports submitted hereunder, without additional compensation to the Consultant.

Termination for Convenience:

The City may terminate this contract for convenience at any time in which the case the parties shall negotiate reasonable termination costs.

Termination for Cause:

In the event of Termination for Cause, the thirty (30) days advance notice is waived and the Consultant shall not be entitled to termination costs.

Termination Due to Unavailability of Funds in Succeeding Fiscal Years:

If funds are not appropriated or otherwise made available to support continuation of the performance of this Contract in a subsequent fiscal year, then the Contract shall be canceled and, to the extent permitted by law, the Consultant shall be reimbursed for the reasonable value of any non-recurring costs incurred but not amortized in the price of the supplies or services delivered under the Contract.

F. Laws and Regulations

The Successful firm shall abide by all Federal, State and Local laws and regulations governing the provision of the services called for in the contract. The Successful firm shall give notice and comply with all laws, ordinances, rules, regulations, and lawful orders of any public authority bearing on the performance of the work.

By entering this Contract, the Consultant certifies that it does not and will not during the performance of this Contract violate the provisions of the Federal Immigration Reform and Control Act of 1986, which prohibits employment of illegal aliens.

This contract shall be governed and construed in all respects by its terms and by the laws of the Commonwealth of Virginia. Any legal proceedings arising out of or related to this contract shall be filed by the parties in the City of Lynchburg General District Court or the Lynchburg Circuit Court.

G. Additional Services

The City may add to the Scope of Services any services of a similar nature to those specified in the Scope of Services of this Request for Proposals as mutually agreed to at a price mutually agreed upon.

H. Severability

Each paragraph and provision of the resultant contract will be severable from the entire contract and if any provision is declared invalid, the remaining provisions shall remain in effect.

I. Licenses and Permits

The successful firm shall secure and pay for all permits, governmental fees and licenses necessary for the proper execution and completion of the work which are legally required prior to and during the work. The City will not charge for any permits required by the City of Lynchburg.

J. Nondiscrimination

If the resultant contract exceeds \$10,000, during the performance of the contract, the Consultant agrees as follows:

- a. The Consultant will not discriminate against any employee or applicant for employment because of race, religion, color, sex or national origin, except where religion, sex or national origin is a bona fide occupational qualification reasonably necessary to the normal operation of the Consultant. The Consultant agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this non-discrimination clause.
- b. The Consultant, in all solicitations or advertisements for employees placed by or on behalf of the Consultant, will state that such Consultant is an equal opportunity employer.
- c. Notices, advertisements and solicitations placed in accordance with federal law, rule or regulation shall be deemed sufficient for the purpose of meeting the requirements of this section.
- d. The Consultant will include the provisions of the foregoing paragraphs a, b and c in every subcontract or purchase order of over \$10,000, so that the provisions will be binding upon each subcontracted firm or vendor.

K. Payments to Successful firms

Payments to the Consultant shall be made within 30 days after receipt of an approved invoice for services provided in the previous month. Backup documentation for each invoice shall be provided in detail satisfactory to the City. The Consultant's records and documentation supporting such invoices shall be made available to the City upon reasonable request. The Consultant agrees to retain all records, documents and support materials relevant to the contract for a period of five years following final payment. Invoices must be prepared in formats as required by funding agencies.

In accordance with Virginia Code Section 2.2-4354 the Consultant agrees that:

1. Should any contractor be employed by the Consultant for the provision of any goods or services under this Contract, the Consultant agrees to the following:
 - (a) The Consultant shall, within seven days after receipt of any payments from the City pursuant to this Contract, either:
 - (1) Pay the subcontractor for the proportionate share of the total payment received from the City attributable to the goods or services provided by the subcontractor; or
 - (2) Notify the City, as applicable, and the subcontractor, in writing, of the intention to withhold all or a part of the subcontractor's payment with the reason for nonpayment. Written notice to the City shall be given to: City of Lynchburg Procurement Manager, 900 Church Street, Lynchburg, VA 24504.
 - (b) The Consultant shall pay interest to the subcontractors, at the rate of one percent per month on all amounts owed to the subcontractor that remain unpaid after seven days following receipt of payment from the City for goods or services provided under this Contract, except for amounts withheld under subparagraph (a)(2) above.
 - (c) The Consultant shall include in each of its subcontracts a provision requiring each subcontractor to include or otherwise be subject to the same payment and interest requirements with respect to each lower-tier subcontractors firm.
 - (d) The Consultant's obligation to pay an interest charge to a subcontractor shall not be an obligation of the City.
 - (e) No contract modification shall be allowed for the purpose of providing reimbursement for these interest charges. No cost reimbursement claim shall include any amount for reimbursement of these interest charges.

L. Contractual Claims

Any claims by a contractor or anyone claiming on the contractor's behalf against the City arising under or relating to a contract shall only be resolved as specified in the City's Procurement Ordinance, Sec. 18.1-7, ensuring timely notice of the claim.

The contractor shall give the City written notice of any claim within ten (10) days of the beginning of the occurrence of the event leading to the claim being made. The written notice shall be a document from the contractor addressed to the City official or employee designated by the contract to receive such notice, or if no one is so designated, to the City Manager. The written notice shall clearly state the contractor's intention to make a claim, shall describe the occurrence involved, and shall be transmitted in a manner to ensure receipt by the City. The contractor shall submit the claim and any supporting data to the City within thirty (30) days after the occurrence giving rise to the claim ends. The burden shall be on the contractor to substantiate that it has given written notice and submitted its claim in accordance with this provision.

M. Taxes

The Consultant shall pay all City, State and Federal taxes required by law enacted at the time proposals are received and resulting from the work or traceable thereto, under whatever name levied. Said taxes shall not be in addition to the contract price as the taxes shall be an obligation of the Consultant and not of the City and the City shall be held harmless for same by the Consultant.

N. Indemnification

To the fullest extent permitted by law, the Consultant, for itself, heirs, representatives, successors and assigns agrees to save, defend, keep harmless and indemnify the City and all of its officials, agents and employees (collectively, the "City") from and against any and all claims, loss, damage, injury, costs (including court costs and attorney's fees), charges, liability or exposure, however caused, resulting from, arising out of or in any way connected with the Consultant's performance (or nonperformance) of the contract terms or its obligations under this contract.

O. Contract Assignment

The resultant contract may not be assigned, in whole or part, without the written consent of the City. The rights and obligations of the Consultant are personal and may be performed only by the Consultant. Any purported assignment that does not comply with this provision is void. This contract is binding upon and inures to the benefit of the parties and their respective permitted successors and assigns.

P. Royalty and License Fees and Copyright, Trademark and Patent Protection

The Successful firm shall pay all royalty and license fees relating to the items covered by the contract. In the event any third party shall claim that the manufacture, use and sales of these goods offered hereby constitutes an infringement of any copyright, trademark, or patent, the Offeror shall indemnify and hold harmless the City from any cost, expense, damage or loss incurred in any manner by the City on account of such alleged infringement.

Q. Precedence of Documents

The precedence of documents shall be as follows: the CONTRACT, the Request for Proposals and the Offeror's response to the Request for Proposals.

R. Insurance

The Consultant shall be required to maintain in force such insurance, in amounts acceptable to the City, as will protect it and the City from claims which may arise out of or result from the execution of the work, whether such execution be by the firm, its employees, agents, subcontractors or by anyone for whose acts any of them may be liable. This coverage should include, at a minimum, Worker's Compensation and General Liability (including premises/operations, independent successful firms, products and completed operations, contractual liability and personal injury liability). All insurance shall be provided by companies authorized to conduct business in the Commonwealth. The Consultant shall furnish the City with an original Certificate of Insurance upon request. The Certificate should name the City as additional insured under their General Liability coverage. The Consultant shall notify the City at least 30 days prior to policy cancellation, non-renewal or reduction of coverage.

S. Administrative Appeals Procedure

(a) The following are the exclusive procedures for a bidder or offeror to protest the city's award or decision to award a contract.

- (1) Any protest to award a contract shall be in writing and shall be delivered so that it is received by the city manager not later than five (5) business days after announcement of the award or decision to award, whichever comes first. Otherwise any such protest shall be deemed to be waived.
- (2) Except for a protest of an emergency or sole source procurement, a protest of a city award or decision to award a contract may only be made by a person who submitted a bid or proposal for the procurement at issue and who was reasonably likely to have its proposal accepted but for the city's decision. In the case of an emergency or sole source procurement, a protest may only be made by a person who can show that he was reasonably likely to have submitted a successful bid or proposal if the procurement had been other than emergency or sole source.
- (3) Protests shall only be granted if (1) the protester has complied fully with this Sec. 18.1-6 and there has been a violation of law, the Lynchburg public procurement code, or mandatory terms of the solicitation that clearly prejudiced the protestor in a material way, or (2) a statute requires voiding of the decision.
- (4) The city manager shall issue a written decision on a protest within ten (10) days of its receipt by the city manager.

- (5) If the protest is denied, the protestor may only appeal the denial or otherwise contest or challenge procurement by then filing suit in the Lynchburg circuit court, Lynchburg, Virginia, and serving the city with such suit within ten (10) days of such denial. Otherwise, the city manager's decision shall be final and conclusive, and the protestor's right to appeal the denial or to otherwise contest or challenge the procurement shall be deemed to be waived.
 - (6) The city should defer award of a contract where the decision to award has been protested unless there is a written determination by the city manager that proceeding without delay is necessary to protect the public interest or unless the bid or offer of the prospective awardee would expire.
 - (7) The validity of a contract awarded and accepted in good faith shall not be affected by the fact that a protest or appeal is filed.
 - (8) The exclusive relief allowed if a protest is granted is to void the decision being protested. If a contract has already been awarded and performance under the contract has begun, the contract need not be voided if not in the public interest to do so. Under no circumstances will any monetary amount be allowed to the protestor as part of any relief granted.
 - (9) Strictly following these procedures shall be a mandatory prerequisite for protest of the city's award or decision to award a contract. Failure by a bidder to follow these procedures strictly shall preclude that bidder's protest and be deemed to constitute a waiver of any protest.
- (b) A protest may not be based upon the alleged non-responsibility of a person to whom the city awards or makes a decision to award a contract.

T. Drug Free Workplace

In accordance with Sec 2.2-4312 of the Virginia Code, during the performance of this contract, the Consultant agrees to (i) provide a drug-free workplace for the consultant's employees; (ii) post in conspicuous places, available to employees and applicants for employment, a statement notifying employees that the unlawful manufacture, sale, distribution, dispensation, possession, or use of a controlled substance or marijuana is prohibited in the Consultant's workplace and specifying the actions that will be taken against employees for violations of such prohibition; (iii) state in all solicitations or advertisements for employees placed by or on behalf of the consultant that such consultant maintains a drug-free workplace; and (iv) include the provisions of the foregoing clauses in every subcontract or purchase order of over \$10,000, so that the provisions will be binding upon each sub-Consultant or vendor.

Successful firm shall not use, possess, manufacture, or distribute alcohol or illegal drugs during the performance of the contract or while on City premises or distribute it to City employees.

Successful firm understands that a violation of these prohibitions constitutes a breach of the contract and that the City has the right cancel the contract.

For the purpose of this section, "Drug-free workplace" means a site for the performance of work done in connection with a specific contract awarded to a firm, the employees of which are prohibited from engaging in the unlawful manufacture, sale, distribution, dispensation, possession or use of any controlled substance or marijuana during the performance of the contract.

U. Certification by Consultant as to Felony Convictions

No one with a felony conviction may be employed under this Contract and by the signature of its authorized official on the response to this solicitation, the Consultant certifies that neither the contracting official nor any of the Consultant's employees, agents or subcontractors who will work under this contract have been convicted of a felony.

V. Confidentiality

1. Consultant Confidentiality

The Consultant acknowledges and understands that its employees may have access to proprietary, business information, or other confidential information belonging to the City of Lynchburg. Therefore, except as required by law, the Consultant agrees that its employees will not:

- a) Access or attempt to access data that is unrelated to their job duties or authorizations as related to this Contract.
- b) Access or attempt to access information beyond their stated authorization.
- c) Disclose to any other person or allow any other person access to any information related to the City or any of its facilities or any other user of this Contract that is proprietary or confidential. Disclosure of information includes, but is not limited to, verbal discussions, FAX transmissions, electronic mail messages, voice mail communication, written documentation, "loaning" computer access codes and/or another transmission or sharing of data.

The Consultant understands that the City, or others may suffer irreparable harm by disclosure of proprietary or confidential information and that the City may seek legal remedies available to it should such disclosure occur. Further, the Consultant understands that violations of this provision may result in Contract termination.

The Consultant further understands that information and data obtained during the performance of this contract shall be considered confidential, during and following the term of this Contract, and will not be divulged without the Purchasing Agent's written consent and then only in strict accordance with prevailing laws. The Consultant shall hold all information provided by the City as proprietary and confidential, and shall make no unauthorized reproduction or distribution of such material.

2. City Confidentiality

The City understands that certain information provided by the Consultant during the performance of this Contract may also contain confidential or proprietary information. Consultant acknowledges that this Contract and public records (as defined by §2.2-3701 of the Virginia Freedom of Information Act) provided pursuant to this Contract are subject to the Virginia Freedom of Information Act §§2.2-3700 et seq. and the Virginia Public Procurement Act §2.2-4342 of the Code of Virginia.

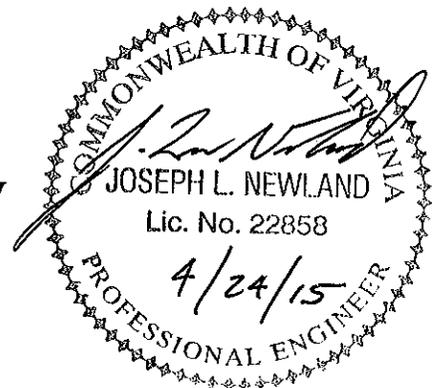
- W. The Consultant shall devote such part of its time as is reasonably necessary to the operations outlined under the resultant contract. The Consultant may engage in business ventures of a nature and description independent of this Contract with the City. The Consultant is required to disclose immediately any outside activities or interests, as they arise, that conflict or suggest a potential conflict with the declared or stated interests of the City. The Consultant is required to disclose all local government clients and must attest that work for those clients will not conflict with the interests of the City. The City reserves the right to object to such attestations. If such objections arise, the parties will agree to the best course of action to resolve the conflict or potential conflict.
- X. The Consultant shall conduct all transactions under this contract in good faith. The Consultant will employ the highest ethical and professional standards at all times — failure to do so could result in termination of the Contract for cause or convenience.

CITY OF LYNCHBURG BRIDGE INSPECTION REPORT



STRUCTURE NO. 8005

**Main Street
Over
Rt. 29 Expressway**



SUPPLEMENTARY BRIDGE REPORT

City of Lynchburg

for

Bridge Number: 8005

Location: Main Street over Route 29

Date of Inspection: 01/28/2015

Type of Inspection: Regular

Work Done: None

Revised Dimensions: None

Miscellaneous: Single Span Steel Beams with Concrete Deck, Abutment A on East end of structure, Vertical Clearance sign (14' -9") attached to parapet over southbound lane. Vertical Clearance sign (14'-11 ") attached to parapet over northbound lane. This sign has obstructed view from directional signs.

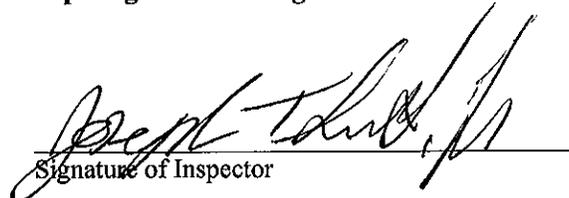
Condition of Structure: Poor

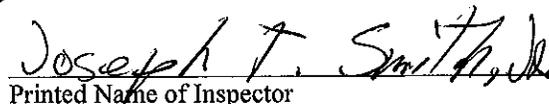
Revised Stress Analysis: None, Single Unit ,25Tons - Controlling member Interior Beam #2, Truck and Semi -trailer 50 Tons · Controlling member Interior Beam#2, HS20 - at Inventory 25 Tons - Controlling member Interior Beam, HS20 - at Operating 52 Tons - Controlling member Interior Beam #2

Recommendation: Monitor the damaged beam and diaphragm until bridge is rehabilitated in 2017

Structure Posted For: 14'1" clearance

**Attachments: B-7 Inspection Report,
Clearance Sheet,
SIA
Rating Analysis Summary
On Record Inventory
Photos**


Signature of Inspector


Printed Name of Inspector

BRIDGE INSPECTION REPORT

Type of Inspection: **Regular Inspection**

City of Lynchburg

Principal Route **Main Street** over **Route 29**

Bridge No. **8005** Date **01/28/2015**

Inspector **EW, JS**

COMPONENT CONDITION RATING	REMARKS
<u>36 TRAFFIC SAFETY FEATURES</u>	No Object Markers
1. Bridge Railing..... 0	
2. Transitions..... 0	
3. Approach Guardrail..... 0	
4. Approach Guardrail Terminal..... 0	
<u>58 DECK</u>	
1. Wearing Surface..... F	1. Wearing surface on deck has transverse cracks (1/16" maximum width × variable lengths) at random locations totaling 70 L.F. Wearing surface on deck in eastbound lane near Abutment A has a ½ S.F. spall/mudball, void (1" depth), 5 S.F. of delaminated concrete adjacent to sidewalk and 2 S.F. of delamination/spall ¾" deep) in patch near Abutment B.
2. Deck-Structural Condition..... F	2. Bottom of deck has hairline map cracking with efflorescence and moisture seepage over 15% of total surface area. Bottom of deck has areas of spalled/delaminated concrete (1½" maximum depth) with exposed reinforcing steel (20% section loss) at random locations totaling 460 S.F.
3. Curbs..... N	5. Sidewalk on north side of structure has hairline map cracking and light scale over entire surface area. Sidewalk on south side of structure has hairline map cracking over 20% of total surface area
4. Median..... F	6. Parapets on both sides of structure have full height vertical cracks (1/16" maximum width) with efflorescence at random locations throughout
5. Sidewalks..... F	7. Metal rail on both sides of structure has peeling paint and light/medium rust throughout. End metal top rail section on south side at Abutment B is bent 2" out of alignment in a 10' length area due to vehicle impact
6. Parapet..... F	8. Drain scupper in Bay #5 and 2 nd and 3 rd location from Abutment "B" each have one bolt missing from flange connection. Remaining nuts on connection bolts have up to 20% section loss.
7. Railing..... F	10. Utility supports in Bay 3 are welded to web of Beams 3 & 4 (near top flange) at four (4) locations. Utility support near Abutment A is loose and does not support utility. Similar condition at 1st and 2nd supports at Abutment B.
8. Drains..... F	11. Elastomeric compression seal in deck joint at each abutment is dry rotting/splitting throughout causing leakage. Longitudinal deck joint along centerline of roadway leaking due to compression seal being insufficient in width/loss of elasticity
9. Lighting..... N	
10. Utilities..... F	
11. Expansion Joints or Devices..... F	
GENERAL CONDITION RATING..... 5	

59 SUPERSTRUCTURE

1. Bearing Devices F
2. Stringers N
3. Girder or Beams
 A. General F
 B. Diaphragms or
 Cross Frames..... F
 C. Bracing N
4. Floor Beams N
5. Trusses
 A. General N
 B. Portals..... N
 C. Bracing N
6. Paint
 (See Ratings – Sheet 4) F
7. Machinery
 (Movable Span)..... N

GENERAL CONDITION RATING 4

1. Rocker bearings for all beams at Abutment A have rocked excessively in the expanded direction at 28°F. Rockers rest on back corner of rocker

3A. Beam 1 at 1st intermediate diaphragm connection from Abutment A (over northbound lane) on Bay 1 side has a "U" shaped crack in weld at bottom of connection plate. Crack extends up weld 4½" on both side of connector plate. A ½" gap exists at toe of this crack. On the exterior fascia of web at this location, web has three (3) horizontal cracks (3¾", 3½" and 1¾" in length). Cracks are located 4½", 4-5/8" and 5" up from top of bottom flange. Cracks confirmed with mag particle testing. Beam 1 at 1st intermediate diaphragm connection from Abutment B (over southbound lane) on Bay 1 side has a "U" shaped crack in weld at bottom of connection plate. Crack extends up weld 2" on Abutment B side of plate and extends up weld 1½" on Abutment A side of plate. Beam 1 at midspan diaphragm on Bay 1 side has a ¾" long crack in weld at bottom on Abutment B side and ¼" on Abutment A side of connection plate. Beam 2 was struck by an overheight vehicle. Point of impact is over travel lane of southbound lane approximately 16' from face of Abutment B. Beam is bent/bowed to the south 5¼" at impact point. Bow tapers out at bearing at Abutment B and at 2nd diaphragm from Abutment A. Flange at impact point is bent out of horizontal alignment 1½". Diaphragm connector plate in Bay 2 at this location is bent 4½" out of vertical alignment and is torn (11½" length) at connection bolts. These diaphragm connector plates mentioned above are "T" shaped and are bolted to web. Condition of beam web is unknown due to presence of these large "T" shaped connection plates. This impact has also caused damage to Beam 2 bearing at Abutment B. Beam has been "pushed" to the south over the fixed bearing 1", causing the north retainer clip to break away from sole plate. Beams 2 & 9 are jammed against backwall at Abutment A at 28°F. Remaining beams have only 1/8" to ½" gap between end of beam and backwall. Beam 6 has heavy corrosion and 1/8" deep section loss in bottom flange and bottom 8" of web in a 35' length area at midspan due to leaking longitudinal joint.

3B. See notes above

6. Heavy rust on structural steel over 20% of total surface area. Remaining area has light rust.

60. SUBSTRUCTURE

- 1. Abutments
 - A. Wings F
 - B. Backwall..... F
 - C. Bearing Seats..... F
 - D. Breast Wall..... F
 - E. Weep Holes N
 - F. Footing..... G
 - G. Piles..... G
 - H. Erosion or Scour..... G
 - I. Settlement..... G
- 2. Piers or Bents
 - A. Caps..... N
 - B. Bearing Seats..... N
 - C. Column Stem or Wall N
 - D. Footing N
 - E. Piles N
 - F. Bracing..... N
 - G. Erosion or Scour..... N
 - H. Settlement..... N
- 3. Pile Bents
 - A. Caps..... N
 - B. Bearing Seats..... N
 - C. Piles..... N
 - D. Bracing..... N

GENERAL CONDITION RATING..... 5

1A. Wing on left side at Abutment A has areas of spalled/delaminated concrete (2" depth) with exposed reinforcing steel (30% section loss) at random locations totaling 12 S.F.

1B. Backwall at Abutment A (top) has large pattern map cracking (3/8" maximum width) over entire surface area. Also, top of backwall has 1 S.F. of spalled concrete (1 1/2" depth) at edge of each sidewalk. Backwall at Abutment B (top) has large pattern map cracking (1/16" maximum width) over entire surface area. Also, top of backwall has 23 S.F. of delaminated concrete at random locations and 1 S.F. of spalled concrete (3/4" deep). Backwall at Abutment A has light scale on face throughout. Also backwall has 3 S.F. of delaminated concrete at random locations. Backwall at Abutment B has full height hairline vertical cracks on face at random locations. Also, face of backwall has scale, moisture seepage and efflorescence throughout and areas of delaminated concrete at random locations totaling 37 S.F.

1C. Bearing seat beneath Beam 1 at Abutment A has 3 S.F. of delaminated concrete causing 15% loss of bearing. Bearing seat beneath Beam 10 at Abutment A has 1 S.F. of delaminated concrete with no loss of bearing. Bearing seat for Beam 5 at Abutment B has 3 S.F. of delaminated concrete causing 10% loss of bearing.

1D. Breastwall at each abutment has light scale and efflorescence over 25% of total fascia. Breastwall at each abutment has large pattern map cracking (1/16" maximum width) throughout fascia. Breastwall at Abutment A has full height vertical cracks (1/8" maximum width) under Beams 3-5. Cracks have been routed and sealed in past but sealer has failed. Breastwall at Abutment A has areas of delaminated concrete at random locations totaling 179 S.F. Also, breastwall has 6 S.F. of spalled concrete (2 1/2" depth) on south end due to vehicle impact and 2 S.F. beneath Beam 9 (3/4" deep) with exposed reinforcing steel having 20% section loss. Breastwall at Abutment B has full height vertical cracks (1/8" maximum width) in Bays 3 & 7. Cracks have been routed and sealed in past but sealer has failed. Breastwall at Abutment B has areas of delaminated concrete at random locations totaling 225 S.F. including fascia and wash area and two locations of spalled concrete (2" deep) totaling 8 S.F. with exposed reinforcing steel having 20% section loss..

1F. Not visible

1G. Not visible

1H. No deficiencies found

1I. No deficiencies found

61. CHANNEL & CHANNEL PROTECTION OR SLOPE PROTECTION

- 1. Channel Scour..... N
- 2. Embankment Erosion..... N
- 3. Drift..... N
- 4. Vegetation..... N
- 5. Fender System..... N
- 6. Spur Dikes & Jetties..... N
- 7. Rip Rap or Slope Protection..... N
- 8. Adequacy of Opening N

GENERAL CONDITION RATING..... N

65 APPROACH ALIGNMENT

- 1. Alignment G
- 2. Approach Slab..... G
- 3. Relief Joints N
- 4. Approach
 - A. Guardrail G
 - B. Pavement G
 - C. Embankment..... G

- 1. No deficiencies found
- 2. No deficiencies found.
- 4B. Approach pavement at Abutment B has settled up to ½" at backwall
Overhead sign attached to Beam 1 over northbound lane is missing one (1)
connection bolt at beam web and 12 bolts on the sign.

GENERAL CONDITION RATING..... 7

66 RATED LOADING

- 1. Posted Loading..... None
- 2. Legibility..... N
- 3. Visibility N

ADDITIONAL REMARKS

NUMERIC CODES

For rating General Condition

- N Not applicable.
- 9 **New condition**
- 8 **Good condition** - no repairs needed
- 7 **Generally good condition** - potential exists for minor maintenance
- 6 **Fair condition** - potential exists for major maintenance
- 5 **Generally fair condition** - potential exists for minor rehabilitation
- 4 **Marginal condition** - potential exists for major rehabilitation
- 3 **Poor condition** - repair or rehabilitation required immediately
- 2 **Critical condition** - the need for- repair or rehabilitation is urgent. Facility should be closed until the indicated repair is complete
- 1 **Critical condition** - facility is closed. Study should determine the feasibility for repair
- 0 **Critical condition** - facility is closed and is beyond repair

36 Traffic Safety Features

The coding of this item shall be as follows:

Code

- 0- Inspected feature does not meet current acceptable standards
- 1- Inspected feature meets currently acceptable standards
- N- Not applicable

ALPHABETIC CODES

For rating Components

G Good - The item is in new or good condition with no repairs necessary.

F Fair - The item is still performing the function for which it was intended, but is in need of minor repair.

P Poor - The item is still performing the function for which it was intended, but at a minimum level. It is in need of major repair.

C Critical - The item is no longer performing the function for which it was intended. Immediate replacement or repair is required.

Where deficiencies exist, the condition of the component should be described. Descriptions of the condition should be as clear and concise as possible. Completeness, however, is essential. Where sketches and narrative descriptions cannot fully describe the deficiency or defect, photographs should be taken and should be referenced appropriately in the narrative. Additional pages should be added, where necessary to elaborate on the condition.

RATINGS (For) 59-6 Paint

G No painting is needed.

F Spot painting is needed.

P All structural steel must be painted.

N A588 steel (unpainted).

A A588 steel (ends and exterior beams painted).

61-8 Adequacy of Opening

N Not applicable

G Excessive

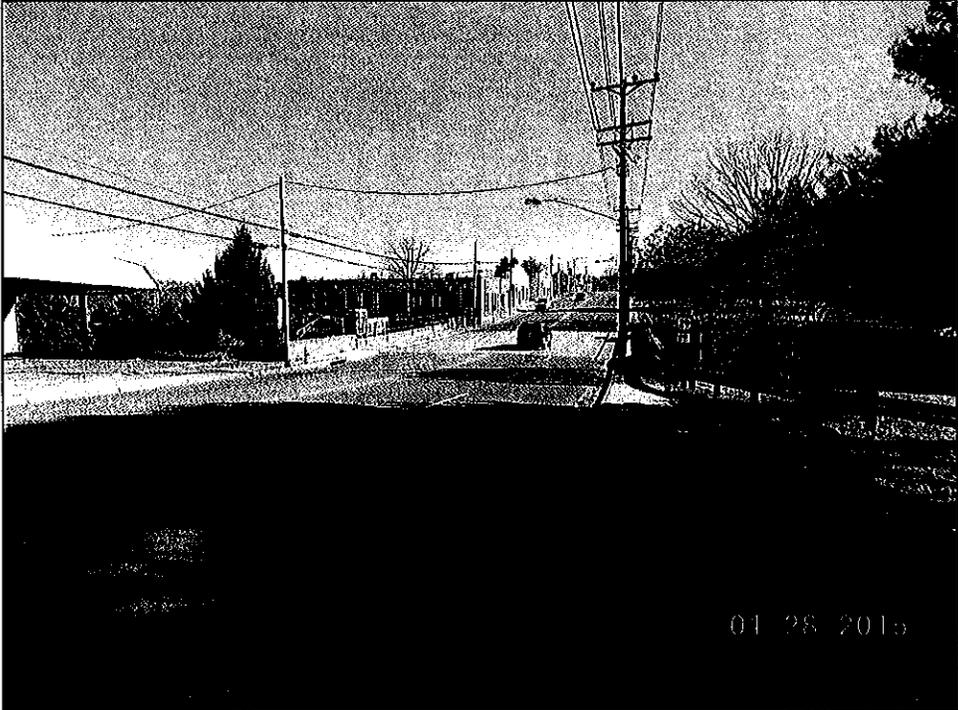
F Sufficient

P Barely sufficient

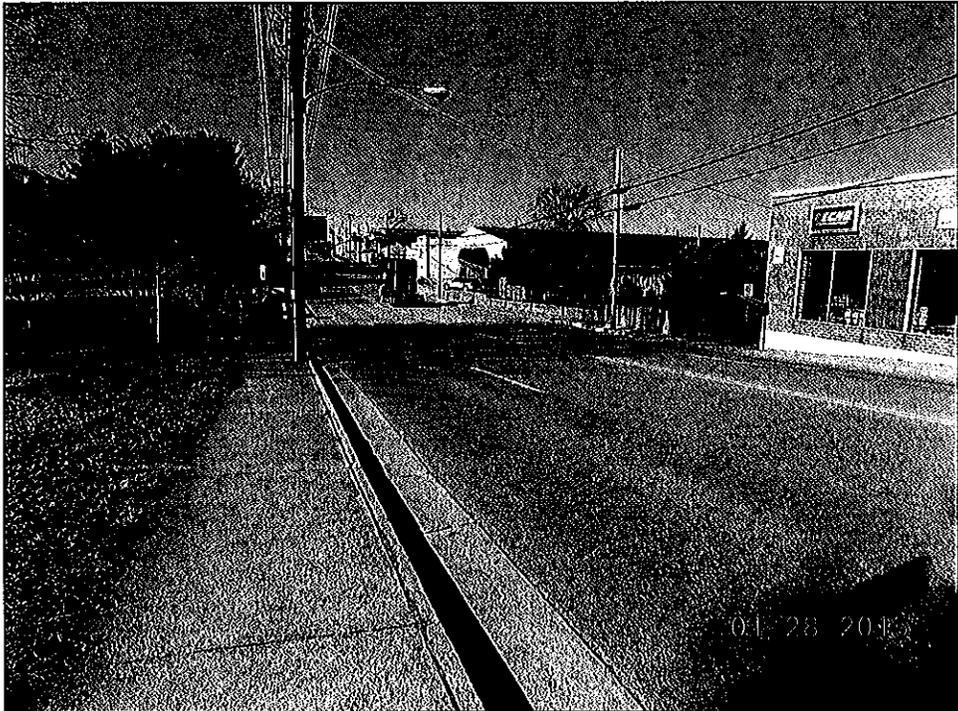
C Insufficient

Structure Number 8005

Date 1/28/15



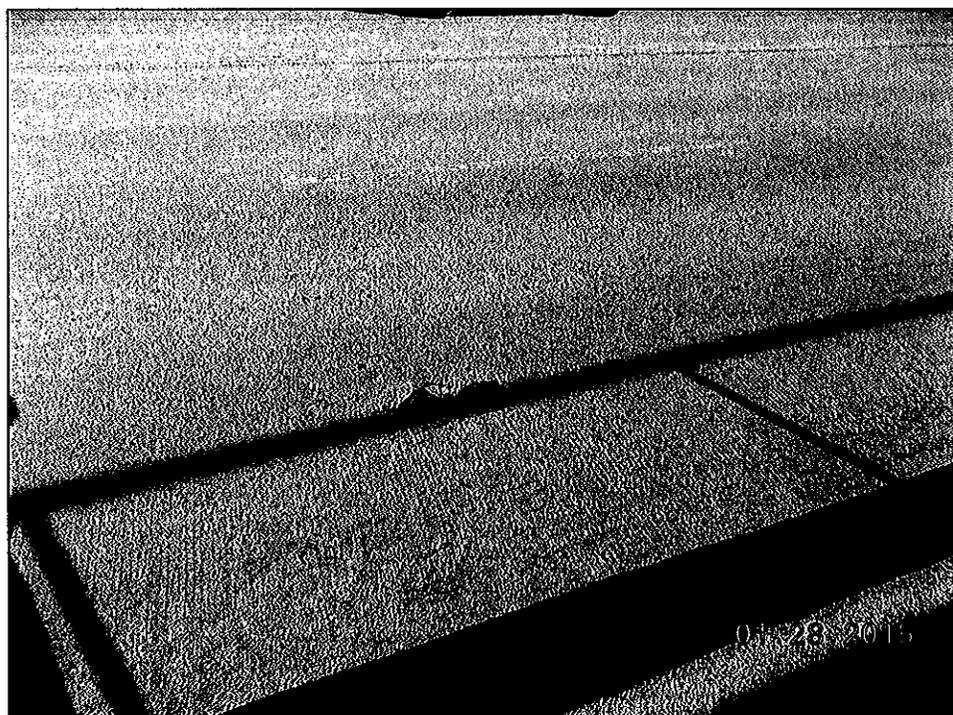
Approach view looking East



Approach view looking West



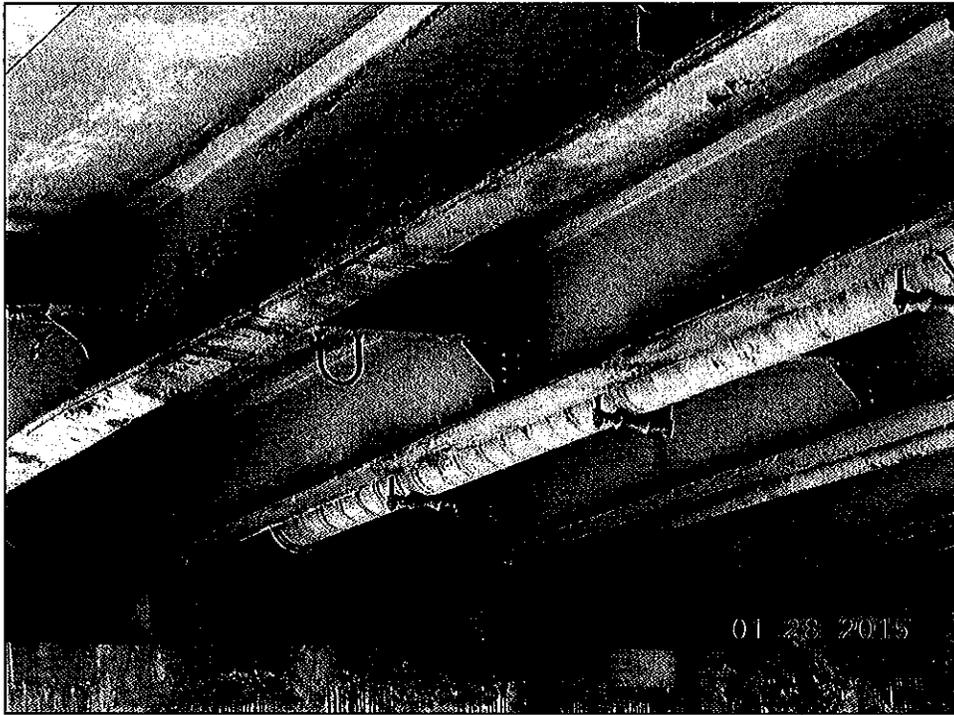
View of back wall and joint over Abutment A



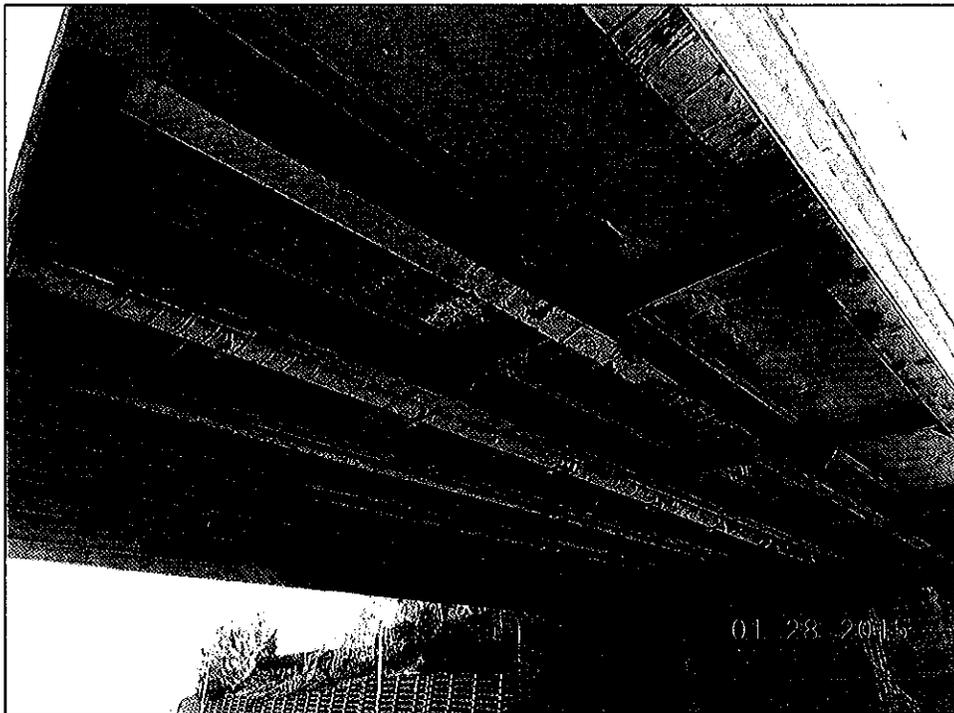
View of spall in wearing surface near Abutment B

Structure Number 8005

Date 1/28/15



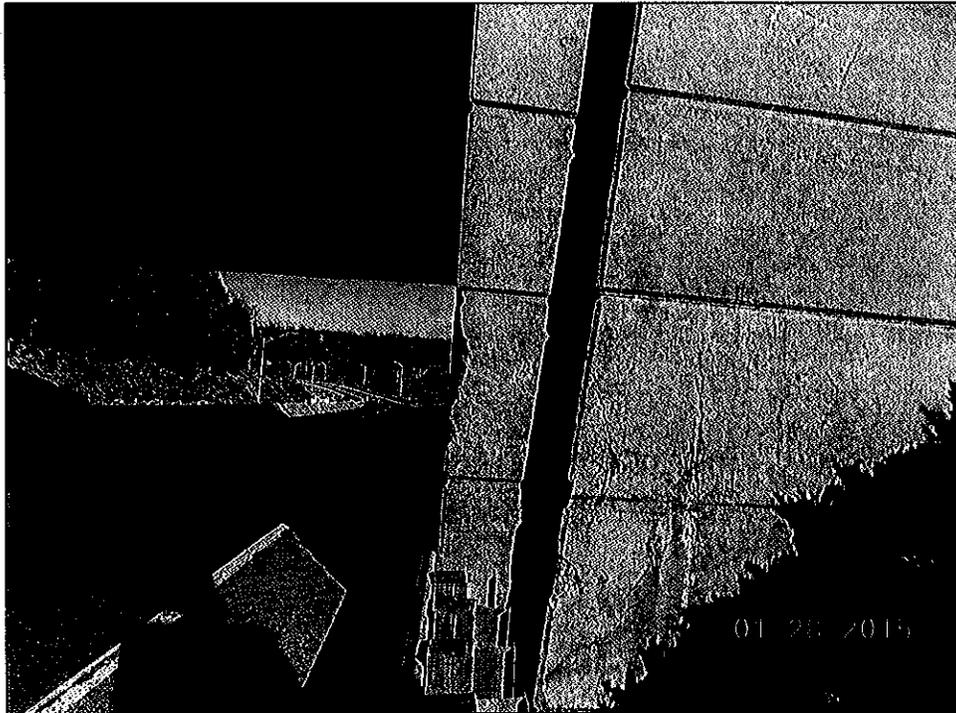
View of the water line, notice collision damage to beam #2



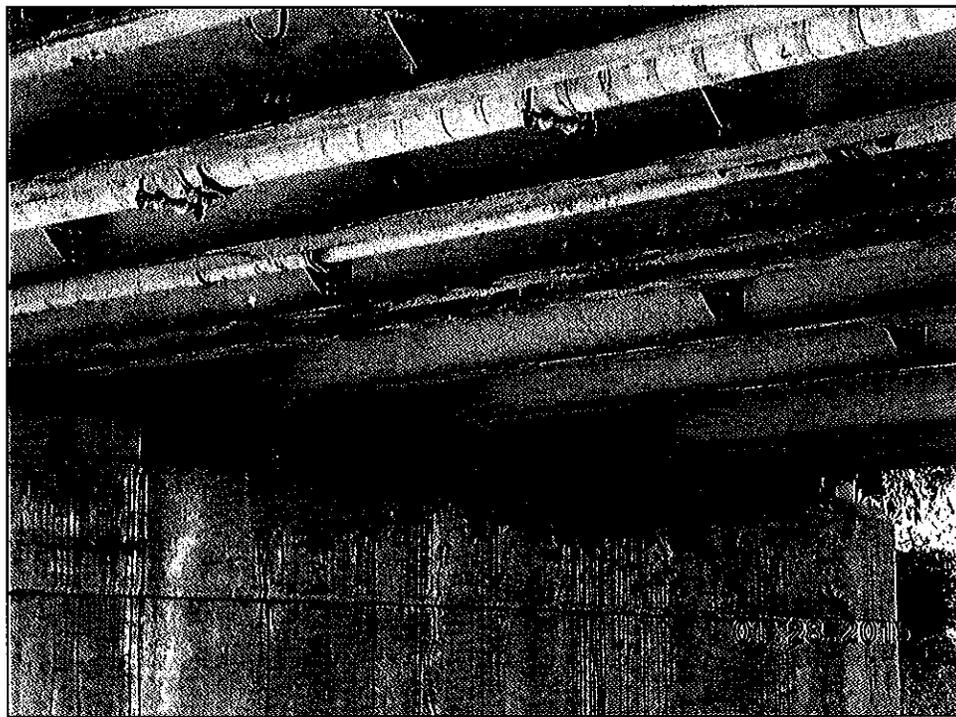
View of underside of deck

Structure Number 8005

Date 1/28/15



View of collision damage at Abutment A wingwall



View of Abutment B, notice spalled area

Structure Number 8005

Date 1/28/15



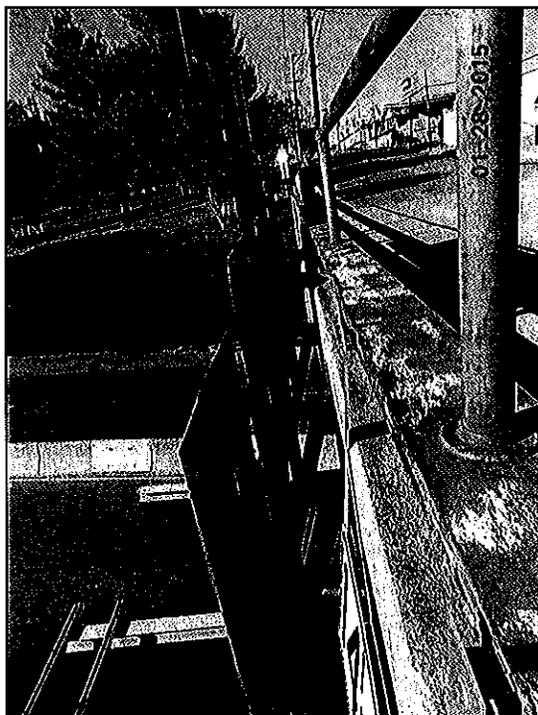
View of side elevation looking North



View of signs attached to south side of the bridge

Structure Number 8005

Date 1/28/15



Side view of signs attached to South side of bridge



View of missing bolt on sign

City Lynchburg
Route Main Street
Crossing Rto. 29
Bridge No. 8005
Date April 4, 1991

RATING ANALYSIS SUMMARY

<u>Loading Type</u>	<u>Capacity (Tons)</u>
HS Loading At Inventory Level	<u>25</u>
HS Loading At Operating Level	<u>52 Deck</u>
Type 3 Vehicle At 65% Yield	<u>37</u>
Type 3S2 Vehicle At 65% Yield	<u>50</u>
Type 3-3 Vehicle At 65% Yield	<u>60</u>
Controlling Member Is <u>Interior Beam #2, except as noted.</u>	

SCHWARTZ & ASSOCIATES, INC.

CONSULTING ENGINEERS
LYNCHBURG, VA.

Bridge Inventory	
VA Str. Number (S4)	: 8005
Special Codes (S12)	:
Special Structure Code (S173)	:
Approximator - 20	: Lynchburg - 118
Sketch Page Number (S172)	: 119-01
Original Plan Number (S13a)	:
Original Std. Plan Number (S13b)	:
Recon. Plan Number (S14a)	:
Recon. Stand. Plan No (S14b)	:
Parallels Structure (S162)	: N Does not Replace
Repl. Structure (S28)	: Railroad Mile Post (S191)

Ratings	
Design Load High (S44)	: 4 H 20
Stress Level (S47)	: M Mid-Range
Stress Analysis Meth (S48)	: W Fact-WS State-WS
Computer File Name (S48a)	: X1188005
Last Run Date (S49a)	: 1/1/1901
Foot Bridge Posting (S169)	:

Construction and Maintenance	
Year Reconstructed (S27)	: 0
Type Construction (S29)	: N - Bridge
Type Reconstruction (S40)	:
Year Last Painted (S94)	: 0
Paint System (S186)	:
Project Status Code (S189)	:
Project UPC Code (S59)	: 0
HRRRP Indicator (S41)	: N Not Applicable
Maint. Resp. - State (S15)	: Lynchburg - 118

Special Equipment (S64)	
Ladder	: N
ManLift	: N
Bucket Truck	: Y
Rigging	: N
Platform Truck	: N
Scaffolding	: N

Utilities (S190)	
Water	: N
Sewer	: N
Cable	: N
Phone	: N
Lighting	: N
Fiber Optic	: N
Electric	: N
Other	: N

Substructure Layout (S19, S20, S21)	
Abutment A	: Material : 1 Concrete
Design Type	: 02 Solid or Gravity
Material and Type	: 01 Spread Footing
FindPiles Mat/Type	: 3 Firm Material
Appr. Pier - Group 1; Count	: 0
Material and Type	:
FindPiles Mat/Type	:
Appr. Pier - Group 2; Count	: 0
Material and Type	:
FindPiles Mat/Type	:
Appr. Pier - Group 3; Count	: 0
Material and Type	:
FindPiles Mat/Type	:
Appr. Pier - Group 4; Count	: 0
Material and Type	:
FindPiles Mat/Type	:
Appr. Pier - Group 5; Count	: 0
Material and Type	:
FindPiles Mat/Type	:

Appearance (S196)	
Sign	: N
Sound Wall	: N
Ped. Fence	: N

Special Equipment (S64)	
Ladder	: N
ManLift	: N
Bucket Truck	: Y
Rigging	: N
Platform Truck	: N
Scaffolding	: N

Appearance (S196)	
Sign	: N
Sound Wall	: N
Ped. Fence	: N

Substructure Layout (S19, S20, S21)	
Abutment B	: Material : 1 Concrete
Design Type	: 02 Solid or Gravity
Material and Type	: 01 Spread Footing
FindPiles Mat/Type	: 3 Firm Material
Appr. Pier - Group 1; Count	: 0
Material and Type	:
FindPiles Mat/Type	:
Appr. Pier - Group 2; Count	: 0
Material and Type	:
FindPiles Mat/Type	:
Appr. Pier - Group 3; Count	: 0
Material and Type	:
FindPiles Mat/Type	:
Appr. Pier - Group 4; Count	: 0
Material and Type	:
FindPiles Mat/Type	:
Appr. Pier - Group 5; Count	: 0
Material and Type	:
FindPiles Mat/Type	:

Appearance (S196)	
Sign	: N
Sound Wall	: N
Ped. Fence	: N

Inspection	
Inspection Key	: DKMS
Posted Capacity Std. (S52)	:
Posted Capacity Single (S53)	:
Posted Capacity Span (S54)	:
Posting Sign Leg. (S170)	:
Posting Sign Vis. (S171)	:
Critical Features Class (S62)	:
Maint. Repair Cost (\$1000)	: \$ 0
Maintenance Fund Code (S57)	: U Urban
Critical Recommendations	:
Outstanding Critical Recommendation (S176)	:
Prev. Comp. Critical Recommendation (S179)	:

Clearances On Structure	
Roadway Width - Single/Let	: 23.00
Roadway Width - Right (S34)	: 23.00
Median Width (S36)	: 2.00

RMS Location	
RMS Location	: 37.4096000000
Latitude	: -79.198527778
Longitude	:

Roadway	
VA Highway System Code (S185)	: Urban
On_Under Code: (F5A)	: 1
Lane of Route (S5)	: 0.00
HTRIS Route Number (S5)	: 0
HTRIS Node Number (S7)	: 0
HTRIS Node Offset (S9)	: 0.00

'ON' RECORD INVENTORY - Federal Items

Agency ID. : 1188005-0000000000020496
 Maint. Resp. : 118

SR : 36.60

SD/FO : SD

Bridge Key: 000000000020496

Identification

State (1) : 51 Virginia
 District (2) : Lynchburg
 Facility Carried (7) : Main Street
 Feature Intersected (6) : Route 29
 Record Type (5A) : Route On Structure
 Level of Service (5C) : 1 Mainline
 Directional Suffix (5E) : 0 N/A (NBI)
 Latitude (16) : 37° 24' 30.96"
 Longitude (17) : 79° 08' 11.95"

Struct Num (8) : 00000000020496
 Location (9) : 0.05WALNUT ST 0.05Pearl-St
 Rte. Signing Prefix (8B) : 5 City Street
 Route Number (5D) : 00000
 Place Code (4) : Lynchburg
 County Code (3) : Lynchburg
 Mile Post (11) : 0.00
 Border Br. Code (86A) : Not Applicable (P)
 % Responsibility (88B) : -2
 Border Bridge No. (89) : -

Structure Type and Materials

No. Spans Main Unit (46) : 1
 Main Span Material (43A) : 3 Steel
 Main Span Design (43B) : 2 Stringer/Girder
 Deck Type (107) : 1 Concrete-Cast-in-Place
 Membrane (108B) : 0 None

No. Appr. Spans (46) : 0
 Appr. Span Material (44A) : 0 Other
 Appr. Span Design (44B) : 00 Other (NBI)
 Wearing Surface (108A) : 1 Monolithic Concrete
 Deck Protection (108C) : 0 None

Age and Service

Year Built (27) : 1965
 Type of Service On (42A) : 5 Highway-pedestrian
 Type of Service Under (42B) : 1 Highway
 Lanes On (28A) : 4
 Detour Length (19) : 3.11
 ADT (25) : 2,700
 % Truck ADT (109) : 7

Year Reconst. (106) : -1
 Lanes Under (28B) : 4
 Year of ADT (30) : 2008

Geometric Data

Length Max Span (48) : 73.16
 Curb/SideWalk Width Left (50A) : 5.91
 Width Curb to Curb (51) : 47.90
 Appr. Roadway Width (32) : 47.90
 Skew (94) : 7.00°
 Horizontal Clearance (47) : 47.90
 Vertical Clearance (10) : 98.89
 Minimum Vertical Clearance Over Bridge (53) : 98.89
 Minimum Vertical Underclearance Reference (54A) : H Hwy beneath struct
 Minimum Vertical Underclearance (54B) : 14.99
 Minimum Lateral Underclearance Reference Right (55A) : H Hwy beneath struct
 Minimum Lateral Underclearance Right (55B) : 5.91
 Minimum Lateral Underclearance Left (56) : 0.88

Structure Length (49) : 73.16
 Curb/SideWalk Width Right (50B) : 5.91
 Width Out to Out (52) : 62.01
 Median (33) : 2 Closed Med w/o Bank
 Structure Flared (35) : 0 No flare
 Deck Area : 4,536.67

Inspection

Regular Inspection : FREQ (91) : 12
 Fracture Critical : RECD (92) : N
 Underwater Insp. : N
 Other Special Insp. : N

LAST INSP. (90) : 01/05/2012
 LAST INSP. (93) : 1-28-15
 NEXT INSP. : 1-28-16

Classification

Toll Facility (20) : 3 On free road
 Functional Class (26) : 16 Urban Minor Arterial
 Historical Significance (37) : 5 Not eligible for NRP
 Parallel Structure (101) : No II bridge exists
 Temporary Structure (103) : Not Applicable (P)
 Nat. Truck Network (110) : 0 Not part of nat netwo
 National Base Net (12) : 0 LRS Inv-Rte (13a) : 0000000000

Fed. Maint. Resp. (21) : 04 City/Municipal Hwy Agency
 Owner (22) : 04 City/Municipal Hwy Agency
 Defense Highway (100) : 0 Not a STRA/NET Hwy
 Direction of Traffic (102) : 2 2-way traffic
 Highway System (104) : 0 Not on NHS
 NBIS Length (112) : Long Enough
 Subst (13) : 00

Condition

Deck (55) : 5 Fair
 Superstructure (59) : 4 Poor
 Channel/Channel Protection (61) : Not Applicable
 Substructure (60) : 5 Fair
 Culvert (62) : Not Applicable

Load Rating and Posting

Design Load (31) : 2 H 15
 Oper. Rtg. Method (83) : 2 AS Allowable Stress
 Inv. Rtg. Method (65) : 2 AS Allowable Stress
 Posting (70) : 5 A/Above Legal Loads

Posting Status (41) : A Open, no restriction
 Oper. Rtg. (64) : 51.5
 Inv. Rtg. (66) : 24.8

Appraisal

Bridge Rail (36A) : 0 Substandard
 Transition (36B) : 0 Substandard
 Appr. Rail (36C) : 0 Substandard
 Appr. Rail Ends (36D) : 0 Substandard
 Scour Critical (113) : N Not Over Waterway

Sir Evaluation (67) : 4
 Deck Geometry (68) : 2 Intolerable - Replace
 Underct., Vert. and Horiz. (69) : 2 Intolerable - Replace
 Waterway Adequacy (71) : Not Applicable
 Approach Alignment (72) : 7 Above Min Criteria

Proposed Improvements

Type of Work (75) : 31 Rep/Load Capacity
 Bridge Cost (94) : \$494,760.00
 Roadway Cost (95) : \$49,476.00

Improv. Length (76) : 93.00
 Year of Estimate (97) : 2012
 Total Cost (96) : \$742,140.00

Future ADT (114) : 3,500
 Yr. of Ful. ADT (115) : 2032

Navigation Data

Navigation Control 38 : NA-no waterway
 Vertical Clearance 39 : 0.00
 Pier Protection 111 : Not Applicable (P)

Horizontal Clearance 40 : 0.00
 Lift Bridge Vertical Clearance 116 : 0.00

Virginia Department of Transportation
Structure Inventory Data Sheet

Identification		Geometric Data	
S3.	Structure ID	20496	(FT) 73
2	District Code	3	(FT) 73
S1.	Residency Code	20	(FT)
S2.	County Code	118	(FT)
S4.	Structure Number	8005	(FT)
5	Inventory Route	2-2-1-00000-0	(FT)
I3	LRS Inventory Route Subrte	0000000000 00	(FT)
S5.	Lane on Route		(Code)
11	Milepoint		(FT)
6	Features Intersected	Main St O Rt. 29 Exp	(FT)
7	Facilities Carried	Main St O Rt. 29 E	(FT)
9	Location	0390128 0017NCL-Lync	(Degrees)
S6.	Bridge Name		(Code)
S7.	HRIS Route ID	- -	(Code)
S8.	Node S9. Offset		(FT. IN.) 14-06
S10.	Adjacent County or City		(FT)
S11.	NPS Structure Number		(FT. IN.) 31
98	Border Bridge State Code	% Resp.	(C FT. IN) 14-11
99	Border Bridge Structure		(C FT. IN) H15-02
S12	Special Codes		(C FT. IN) H14-11
S13	Original Plan/Standard		(C FT) H
S15	Reconst. Plan/Standard		(FT)
S15	Maint. Responsibility (VA)		(Code) N
21	Maint. Responsibility (FED)		(Code)
S16	Owner		(FT.)
S16	Federal Railroad Number		(FT.)
16	Latitude	37:24:30.529	(FT.)
17	Longitude	79:08:12.163	(FT.)
Structure Type and Material			
43	Structure Type, Main	3 02	Y
44	Struc. Type- Appr. Spans		1
45	Number of Spans in Main Unit		P
46	Number of Approach Spans	0	12
S173	Special Structure Type		1
107	Deck Structure Type	N	1
108	Wearing Protective System	N	0
	A. Type of Wearing Surface	N	N
	B. Type of Membrane	N	2
	C. Type of Deck Protection	N	0
Age and Service			
27	Year Built	1955	3
106	Year Reconstructed (FED)		5
S27	Year Reconstructed (VA)		
42	Type of Service (ON)	5	
28	Type of Service (Under)	1	N
	Lanes on Structure	4	
	Lanes Under Structure	4	
29	Average Daily Traffic	2500	
30	Year of ADT	2010	
109	Truck % ADT	7	
19	Bypass Detour Length		76.5
S32	Date Replaced / Modified	07:55:28 HWY628	

