



City of St. Peters, Missouri
One St. Peters Centre Boulevard
P. O. Box 9
St. Peters, Missouri 63376

Request for Statement of Qualifications and Proposal for Engineering Services

Purpose:	The City of St. Peters is seeking proposals to prepare plans and specifications for the replacement of an existing bridge, roadway, sidewalk, bike/pedestrian and ADA improvements along Willott Road between Jungermann Road and Spencer Creek.
RFP No.	RFP No. 13-145 - Willott Road Bridge Federal Project No. BRM-7305(610)
RFP Consists of:	<ul style="list-style-type: none">• Proposal• Attachment A – MODOT Bridge Inspection Report• Conceptual Drawing by the City of St. Peters
Deadline for Submissions:	2:00 p.m. local time, Friday, April 19, 2013 Late or faxed bid proposals will be rejected.
Submit Proposal To:	Purchasing City of St. Peters One St. Peters Centre Blvd. P. O. Box 9 St. Peters, MO 63376
Special Instructions:	<ul style="list-style-type: none">• A DBE goal of twelve (12%) percent• Clearly mark outside of sealed envelope - <i>RFP No. 13-145 - Willott Road Bridge</i>, along with the Consultant's name• Submit 5 sets of your proposals• With submittal of your firm's Letter of Interest include:<ul style="list-style-type: none">○ Statement of Qualification (RSMo 8.285 – 8.291)○ Affidavit of Compliance with the Federal Work Authorization Program○ Copy of your E-Verify (15 CSR 60-15.020)
Direct All Inquiries to:	bids@stpetersmo.net with <i>RFP No.13-145 - Willott Road Bridge</i> in subject line Last time for questions is noon, local time, Monday, April 15, 2013.

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1.0 GENERAL

The City of St. Peters, hereinafter called "CITY", is seeking proposals to prepare plans and specifications for bridge replacement, lane improvements, signal replacement and ADA and bike/pedestrian improvements along Willott Road and Spencer Creek, from Jungermann Road to Spencer Creek.

The selected Consultant shall provide all necessary field investigation, design and construction phase services required to comply with the Missouri Department of Transportation (MoDOT) Engineering Policy Guide (EPG) and EPG Section 136 Local Public Agency (LPA) Manual.

Pursuant to the Brooks Act for Consultant Selection, the City of St. Peters will evaluate firms based on experience and technical competence, capacity and capability and past record of performance with the City. Firm selection shall be based on the ratings of the criteria listed above.

Once a proposal is selected a contract will be negotiated with the CONSULTANT based on a mutually agreed upon scope of services. This project is eligible to receive federal reimbursement funding through On-System Bridge Replacement and Rehabilitation (BRM) program administered by the East-West Gateway Coordinating Council of Governments and St. Charles County Road Board.

A DBE goal of twelve (12%) percent has been established by the Missouri Department of Transportation for this project. DBE firms must be listed in the MRCC DBE Directory located on MoDOT's website at www.modot.gov, in order to be counted as participation towards an established DBE Goal. We encourage DBE firms to submit letters of interest as prime consultants for any project they feel can be managed by their firm.

It is required that your firm's Statement of Qualification (RSMo 8.285 through 8.291) and an Affidavit of Compliance with the federal work authorization program be submitted with your firm's statement of qualifications.

The consultant shall follow the Missouri Department of Transportation Engineering Policy Guide (EPG) and EPG Section 136 (Local Public Agency (LPA) Manual) when performing all tasks outlined in this document.

In addition, all qualified consultants must be registered to do business in Missouri, have a current Annual Financial Prequalification on file with MODOT and have completed the Federal Aide Basic Training Course.

2.0 INSTRUCTIONS FOR SUBMITTING STATEMENT OF QUALIFICATIONS AND PROPOSALS

The CONSULTANT shall prepare a Technical Proposal. Submit five (5) copies of the proposal in a sealed envelope clearly marked with the Consultant's name and "RFQ 13-145 - Willott Road Bridge". The proposal must be received by the City of St. Peters Purchasing Department by 2:00 p.m., local time, Friday, April 19, 2013. All questions regarding the project and proposal submittal are to be submitted via e-mail to Bids@stpetersmo.net and specify in the subject line RFP 13-145 - Willott Road Bridge", or by mail to City of St. Peters, One St. Peters Centre Boulevard, St. Peters, Missouri 63376 by noon, local time, Monday, April 15, 2013.

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2.1 Proposal

The Proposal shall include a schedule of tasks and projected work plan. It shall also include discussions of any proposed modifications, or revisions to the scope of services. The Technical Proposal shall consist of the following information, presented in the order listed.

1. Transmittal Letter
2. Table of Contents
3. Introduction
4. General Business Information:
 - a. Identity of CONSULTANT and legal status.
 - b. Name, address, and telephone number of contact person.
 - c. Name, address, and telephone number of person legally authorized to enter into a contract on behalf of the CONSULTANT.
 - d. Description of insurance coverage and deductibles (refer to Section 9 for listing of minimum requirements).
5. Project Understanding:
 - a. Provide a statement of the CONSULTANT's understanding of the major challenges and opportunities included in this project, as well as the CONSULTANT's basic ideas for addressing these issues.
6. Qualifications of CONSULTANT / Professional Registration:
 - a. Experience of CONSULTANT and project team specifically on similar projects; include the names of clients, brief project description and the project team's involvement in the project. Describe the expertise the CONSULTANT, the project team, and any sub-consultants will bring to this project. Include any important information, and emphasize strengths and specialties that will assist the CITY in evaluating the CONSULTANT's qualifications. The CONSULTANT must possess registration as a Professional Engineer in the State of Missouri.
 - b. Current Financial Prequalification
 - c. Current Federal Aid Basic Training Course. A list of upcoming courses can be found on [MoDOT's Local Program – Training Webpage](#)
7. Project Approach and Schedule:
 - a. Include a listing and description of the major phases or tasks to be performed during this project.
 - b. Include an organizational chart for this project, indicating key personnel and their primary responsibilities.
 - c. Identify key staff that will be assigned to the major phases or tasks of the project. Identify sub-consultants and their responsibilities.
 - d. Include resumes of the key personnel highlighted on the project organizational chart. Indicate the location of the office(s) where various project services are to

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be performed. The level of staffing dedicated to the local office shall be clearly identified.

- e. Indicate the location of the office(s) where various project services are to be performed. The level of staffing dedicated to the local office shall be clearly identified.

8. Quality Assurance/Quality and Cost Control

Describe the CONSULTANT'S quality assurance/quality control policies and procedures and describe how they will relate to this project.

Provide comparisons of engineer's cost estimate to actual construction costs for similar projects that have been constructed since 2008. The CONSULTANT may provide justification for any discrepancies that may exist with this information.

3.0 CONSULTANT SELECTION METHOD

The method of final selection of the CONSULTANT for this project will be based upon review of the Technical Proposal conducted by the CITY review committee. Various CITY personnel will be involved in the selection process. The CITY reserves the right to reject any or all proposals for any reason. The selection process used by the CITY will generally consist of the following:

1. Review and evaluation of the Technical Proposals using the following criteria:
 - Experience and Technical Competence, [40 maximum points].
 - Capacity and Capability, [20 maximum points].
 - Past Record of Performance with City, [40 maximum points].
2. From this review, the CITY will rank each Technical Proposal in order to determine the three (3) most qualified CONSULTANTS. The CITY may choose to conduct interviews with these CONSULTANTS. From this group, the CITY will select the firm it considers the best qualified and begin negotiations for the engineering services agreement.
3. The final engineering service agreement will be on a "cost plus fixed fee" basis with a guaranteed maximum limit for all services indicated in the proposal.
4. If an agreement cannot be reached on the scope of services and compensation, negotiations with the top-ranked/selected CONSULTANT will be formally terminated, and negotiations with the second-ranked firm will commence upon approval from the CITY.
5. The City of St. Peters reserves the right to reject any or all proposals for any reason.

4.0 BACKGROUND

On January 31, 2012 the Missouri Department of Transportation submitted a "Bridge Inventory and Inspection System Non-State Structure Inspection Report" for the Willott Road bridge over Spencer Creek. The report indicated that the bridge is in poor condition and the bridge railing does not meet current standards. Said bridge inspection report along with a conceptual plan of project area is incorporated into this document as "Attachment A".

Based on this inspection finding, the City requested and obtained federal reimbursement funding to replace the bridge through the Federal-Aid Highway Act, 23 U.S.C. §144 On-System

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Bridge program administered by the East-West Gateway Coordinating Council of Governments and Missouri Department of Transportation (MoDOT). The project has also been awarded St. Charles County Road Board reimbursement funding for said bridge replacement and related roadway improvements.

The Willott Road Bridge Replacement project (Federal Project No. BRM-7305(610)) will consist of, but not be limited to, the removal and replacement of an existing three (3) lane bridge, removal and salvage of an existing pedestrian bridge, the extension of the merge lane between two (2) west bound through lanes in to one (1) west bound lane along the north side of Willott Road from Jungermann Road, traffic signal replacement or traffic signal relocation as required to accommodate said merge lane extension and related bike/pedestrian improvements complying with applicable ADA requirements.

The Consultant's design shall provide said improvements while minimizing impacts to adjacent utilities and properties. All plans and specifications shall be compliant with all applicable sections of the Missouri Department of Transportation (MoDOT) Engineering Policy Guide (EPG) and EPG Section 136 (Local Public Agency (LPA) Manual). The bridge and related components shall be designed in compliance with all applicable *Missouri Standard Specifications for Highway Construction*. Roadway, traffic signal and bike/pedestrian improvements shall be designed in accordance with the *City of St. Peters Design Criteria and Standard Specifications for Street Construction* and *St. Louis County Standard Specifications for Highway Construction*. All storm sewer improvements shall be designed in accordance with the *Metropolitan St. Louis Sewer District's Standard Construction Specifications for Sewers and Drainage Facilities*.

The Consultant shall perform all tasks necessary to prepare alignment, preliminary, right-of-way and final construction plans and specifications for bidding to be reviewed and approved by the City of St. Peters and MoDOT Local Roads. The Consultant shall also prepare and provided all necessary metes and bounds descriptions and exhibits for all required easements and right-of-way necessary to construct the project. The Consultant shall at all stages of the project design, correspond and coordinate with all area utility companies with assets within the project limits and design proposed improvements to minimize existing utility conflicts and relocations. The consultant shall perform all necessary tasks to properly design the project and obtain all necessary permits. Said task shall include, but not be limited to, surveying, geotechnical investigations, hydraulic studies, environmental and historic preservation services/permits including the preparation of PS&E and final documents.

A DBE goal of twelve (12%) percent has been established for this project. DBE firms must be listed in the MRCC Directory Statement.

5.0 CITY OF ST. PETERS RESPONSIBILITIES

The CITY shall provide the following services to assist the CONSULTANT:

1. Provide information as to the requirements of the project.
2. Assist the CONSULTANT by providing information, records, and reports pertinent to the project.
3. Furnish the CONSULTANT, as required for performance of the services, data prepared by others, which the CONSULTANT may use at their discretion subject to their verification.

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4. Provide access to and make provisions for the CONSULTANT to enter upon CITY and other public and private properties required to perform the services.
5. Review all studies, reports, sketches, drawings, specifications, proposals, and other documents presented by the CONSULTANT and render in writing decisions pertaining thereto within reasonable time so as not to delay the service of the CONSULTANT.
6. Pay all bid advertisement costs and submit advertisement to local newspapers.
7. Give notice to the CONSULTANT whenever the CITY observes or otherwise becomes aware of a defect in the project or changed circumstances.
8. Designate a CITY representative as overall Project Manager who shall be responsible to provide communication, direction, assistance, and guidance on the project development, design, bidding, and construction.

6.0 CONSULTANT'S RESPONSIBILITIES

The CONSULTANT shall prepare all plans and specifications in compliance with all applicable sections of the Missouri Department of Transportation (MoDOT) Engineering Policy Guide (EPG) and EPG Section 136 (Local Public Agency (LPA) Manual). The CONSULTANT's responsibilities associated with this project will include, but not be limited to the following:

1. **Bike and Pedestrian Paths:** The engineering responsibilities may include but are not limited to the preparation of Conceptual plans, Preliminary plans, Contract plans, Right of Way Plans, preparing and submitting necessary permits, contract documents, assisting with the bidding process for ADA compliant sidewalks and preparation of PS&E and final documents.
2. **Bridge:** The engineering responsibilities may include but are not limited to the preparation of Preliminary and Contract plans and Right of Way Plans. Design services may include, surveying, preparation of metes and bounds descriptions and exhibits, geotechnical investigations, public involvement, hydraulic studies, environmental and historic preservation services/permits, contract documents, assisting with the bidding process, construction support/construction inspection, utility coordination/permits and traffic controls including the preparation of PS&E and final documents.
3. **Roadway:** The engineering responsibilities may include but are not limited to the preparation of Conceptual plans, Preliminary plans, Contract plans and Right of Way Plans. Design services may include, surveying, preparation of metes and bounds descriptions and exhibits, geotechnical investigations, public involvement, environmental and historic preservation services/permits, contract documents, assisting with the bidding process, construction support/construction inspection, utility coordination/permits and traffic controls including the preparation of PS&E and final documents.
4. **Traffic Signals:** The engineering responsibilities may include but are not limited to the preparation of Conceptual plans, Preliminary plans, Contract plans and Right of Way Plans. Design services may include, surveying, preparation of metes and bounds descriptions and exhibits, geotechnical investigations, public involvement, environmental and historic preservation services/permits, contract documents, assisting with the bidding process, construction support/construction inspection, utility coordination/permits and traffic controls including the preparation of PS&E and final documents.

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5. **Construction Inspection:** Construction Phase: work with contractor on behalf of the County, assist with preconstruction conference, perform periodic site inspection, prepare change orders, inspect construction materials, check shop drawings submitted by contractor, conduct construction test and inspection, be present during critical construction operations, work with County to do full time inspections and reporting and participate in final inspection.

7.0 DESIGN CRITERIA

All plans and specifications shall be compliant with all applicable sections of the Missouri Department of Transportation (MoDOT) Engineering Policy Guide (EPG) and EPG Section 136 (Local Public Agency (LPA) Manual). In addition, the CONSULTANT shall use the following design criteria in the design of the project:

1. The bridge and related components shall be designed in compliance with all applicable *Missouri Standard Specifications for Highway Construction (2011)* and *Missouri Department of Transportation Bridge Design Standards*.
2. The roadway, traffic signal and bike/pedestrian components shall be designed in accordance with the *City of St. Peters Design Criteria and Standard Specifications for Street Construction* and *St. Louis County Standard Specifications for Highway Construction*.
3. All storm sewer improvements shall be designed in accordance with the *Metropolitan St. Louis Sewer District's Standard Construction Specifications for Sewers and Drainage Facilities*.
4. In estimating peak discharges, the methods listed in "Urban Hydrology for Small Watersheds" (technical release No. 55) published by the Soil Conservation Service shall be used.
5. When encroaching or crossing Flood Hazard areas, the "Flood Insurance Study – City of St. Peters, Missouri and St. Charles County, Missouri and its supporting maps shall be consulted. The analysis of the effects that the road improvements will have on the base flood elevations shall be made using the Corps of Engineer's HEC-RAS computer program.
6. The various publications of the U.S. Department of Transportation in their hydraulic Engineering Circular shall be used as appropriate.
7. All traffic control signing and pavement markings shall meet the provisions of the "Manual on Uniform Traffic Control Devices" published by the U.S. Department of Transportation.
8. The design and any City owned utility line relocations shall be in accordance with the City of St. Peters Standards for Water and Sewer Extensions.

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8.0 TENTATIVE DESIGN AND CONSTRUCTION SCHEDULE

The professional and technical services provided by the CONSULTANT shall begin upon the full execution of the engineering services agreement by all parties. The CONSULTANT shall insure that their work and progress in the planning and design of the project is carried out efficiently and expeditiously. The following schedule is hereby defined:

<u>Task No.</u>	<u>Description</u>	<u>Submittal</u>
1	Existing Conditions Survey (includes utilities)	Four (4) weeks after NTP
2	Horizontal Alignment Plan	Five (5) weeks after NTP
3	Preliminary Plan	Eight (8) weeks after NTP
4	Right-of-Way Plan (includes metes and bounds descriptions and exhibits)	Twelve (12) weeks after NTP
5	Final Plan and Specifications	Sixteen (16) weeks after NTP

The dates listed above shall mean the dates by which the CONSULTANT shall make an appropriate submittal for which approval is rendered by the CITY of the submittal. The CITY shall review said submittals efficiently and expeditiously and the CITY shall be allowed no more than ten (10) working days for such review. In the event that a submittal is made by the CONSULTANT and the CITY review of same requires changes or corrections by the CONSULTANT, the CITY may conditionally approve the submittal, in which event the date approval is rendered shall be construed as the date an appropriate submittal was made for which approval is rendered. In the event that changes or corrections are required, and the CITY does not conditionally approve the submittal, the CONSULTANT shall revise the submittal accordingly, resubmit after revision, the CITY shall review again after resubmittal within ten (10) working days, and approve, conditionally approve, or return with corrections needed, and in such event the date of submittal for which approval is rendered shall be construed to be the date of the resubmittal when so finally approved or conditionally approved.

9.0 INSURANCE

CONSULTANT shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the CONSULTANT, his agents, representatives, employees or subconsultant. The cost of such insurance shall be included in the CONSULTANT's bid.

9.1 Minimum Limits of Insurance

CONSULTANT shall maintain limits no less than:

1. Workers' Compensation for statutory limits.
2. Comprehensive General Liability or Broad Form Comprehensive General Liability to cover claims which may arise from operations under this contract. The policy will include protection for the following hazards:

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- a. Premises and Operations – Bodily Injury and Property Damage Liability
- b. Independent Contractors Coverage
- c. Products & Completed Operations liability coverage to apply one year beyond completion and acceptance of the work specified by this contract
- d. Personal Injury Liability
- e. Broad Form Property Damage
- f. Contractual Liability
- g. Explosion, collapse and underground damage, if applicable

The above policy shall be written with limits of at least \$1,000,000 for each occurrence, and \$2,000,000 aggregate.

3. Business Automobile Policy (Comprehensive Automobile Liability Insurance) provides coverage for all owned, non-owned and hired vehicles. Minimum limits should be at least \$1,000,000 Each Occurrence Bodily Injury Liability and Property Damage Liability.
4. Professional Errors and Omissions Insurance: If CONSULTANT is an architect, engineer, or surveyor, CONSULTANT agrees to obtain Professional Errors and Omissions Insurance. CONSULTANT shall also require all professional

subconsultants to obtain and maintain similar insurance with similar limits in connection with subcontracted work. Limit of Liability should be no less than \$2,000,000 per claim/\$2,000,000 annual aggregate.

9.2 Deductibles and Self-Insured Retention

Any deductibles or self-insured retention must be declared to and approved by the CITY. At the option of the CITY, either: the insurer shall reduce or eliminate such deductibles or self-insured retention as respects the CITY, its officers, officials and employees; or the CONSULTANT shall procure a bond guaranteeing payment of losses and related investigations, claim administrative and defense expenses.

9.3 Other Insurance Provisions

The policies are to contain, or be endorsed to contain, the following provisions:

1. General Liability and Automobile Liability Coverages
 - a. The CITY, its officers, officials, employees and volunteers are to be COVERED AS INSURED as respects: liability arising out of activities performed by or on behalf of the CONSULTANT; products and completed operations of the CONSULTANT; premises owned, occupied or used by the CONSULTANT; or automobiles owned, leased, hired or borrowed by the CONSULTANT. The coverage shall contain no special limitations on the scope of protection afforded to the CITY, its officers, officials, employees or volunteers.
 - b. The CONSULTANT's insurance coverage SHALL BE PRIMARY INSURANCE as respects the CITY, its officers, officials, employees and volunteers. Any insurance or self-insurance maintained by the CITY, its officers, officials, employees or volunteers shall be excess of the CONSULTANT's insurance and shall not contribute with it.

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- c. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the CITY, its officers, officials, employees or volunteers.
 - d. The CONSULTANT's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.
2. All Coverages

Each insurance policy required by this clause shall be endorsed to state that coverage shall not be suspended, voided, canceled by either party, reduced in coverage or in limits except after thirty (30) days' prior written notice by certified mail, return receipt requested, has been given to the CITY.

9.4 Acceptability of Insurers

Insurance is to be placed with insurers with a Bests' rating of no less than A: VI.

9.5 Verification of Coverage

CONSULTANT shall furnish the CITY with certificates of insurance. The certificates for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf, and are to be received and approved by the CITY before work commences. The CITY reserves the right to require complete, certified copies of all required insurance policies, at any time.

9.6 Subconsultants

CONSULTANT shall include all subconsultants as insureds under its policies or shall furnish separate certificates for each subconsultant. All coverage for subconsultants shall be subject to all of the requirements stated herein.



**Missouri Department of Transportation
 Bridge Inventory and Inspection System
 Non-State Structure Inspection Report**

January 31, 2012
 8:16:02am

County : ST. CHARLES Class : NONSTATBR Design No. : 3885006 Federal ID : 23078

[5D] Route :	00000	[41] Structure Status :	P-POSTLOAD
[4] Place Code :	65126 ST. PETERS	[9] Location :	S O T O R O
[6] Features Intersected :	SPENCER CR	[22] Owner :	CITY
[7] Facility Carried :	WILLOT RD	[26] Functional Classification :	UPRINAROTH
[16] Latitude :	38 46 30.17 (DMS)	[21] Maintenance Responsibility :	CITY
[17] Longitude :	90 35 14.53 (DMS)		

AGE AND SERVICE - GEOMETRIC DATA - MATERIAL

[27] Year Built :	1978	[106] Year Reconstructed :	
[49] Structure Length :	44 FT.	[51] Bridge Width :	46 FT. 2.4 IN.
[32] Approach Roadway Width :	28 FT. 0 IN.	[52] Deck Width :	48 FT. 2.4 IN.

COMPONENTS	# OF SPANS	MATERIAL	CONSTRUCTION
[43] Main series :	1	PRESTCONC	DOUBTEE
[44] Approach Series :			
[107] Deck Type :		REINCONC	CIP
[108A] Wearing Surface :		ASPHALT	BITUMMAT
[108B] Membrane :		NOTAPPLIC	NONE
[108C] Deck Protection :		NOTAPPLIC	NONE

AADT INFORMATION

[29] ADT on Structure :	12,000	[30] Year :	2010	[109] AADT Truck :	5 %
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STRUCTURE POSTING

FIELD POSTING	Problem Code :	Problem Direction Code :
Category : S-3 WEIGHT LIMIT 20 TONS.		
Ton 1 : 20	Ton 2 :	Ton 3 :

APPROVED POSTING	Category : S-3 WEIGHT LIMIT 20 TONS.
Ton 1 : 20	Ton 2 : Ton 3 :

STRUCTURE GENERAL INSPECTION

Inspector	ID No.	Organizational Affiliation
CHARLES BURKEMPER (NON)	MODOT0620	MODOT
[90] Inspection Type	Inspection Date	[91] Frequency
GENERAL	1/19/2012	24

STRUCTURE OTHER INSPECTION

Type	Category	Date	Freq	PIN	NBI
UNDERWATER	DRY	1/19/2012	24		N



**Missouri Department of Transportation
 Bridge Inventory and Inspection System
 Non-State Structure Inspection Report**

January 31, 2012
 8:16:02am

County : ST. CHARLES

Class : NONSTATBR

Design No. : 3885006

Federal ID : 23078

STRUCTURE RATING

[58] Deck :	4-POOR CONDITION	1/20/2012
[59] Superstructure ** :	5-FAIR CONDITION	3/27/2008
[60] Substructure ** :	4-POOR CONDITION	1/20/2012
[61] Channel Protection :	6-WIDESPREAD MINOR DAMAGE	8/22/2002
[62] Culverts **:	N-NOT APPLICABLE	3/1/2002
[36A] Bridge Railing :	0 DOESNT MEET CURRNT STND	3/9/2006
[36B] Transitions Railing :	0- NOT PROVIDED	3/1/2002
[36C] Approach Railing :	0- NOT PROVIDED	3/1/2002
[36D] Rail End Treatment :	0- NOT PROVIDED	3/1/2002
[71] Waterway Adequacy :	DECK/APPRCH OVERTOP SLIGT	8/22/2002
[72] Approach Roadway Alignment :	8-VERYGOOD	3/1/2002
[113] Scour Assessment ** :	8-STABLE FOR CALCULATED	8/22/2002
Type of Scour Evaluation	OBSERVED	
[67] Structure Evaluation :	4-MEETS MINIMUM TOLERABLE	3/1/2002
Sufficiency Rating :	39.80 %	3/1/2002
Deficiency :	STRUCTURAL	3/1/2002
[68] Deck Geometry :	9-SUPR TO PRES DESIRABLE	3/1/2002
[69] Underclearance :	N-NOT APPLICABLE	3/1/2002

*** If RATING lowered to a 3, forward rating info and photos to Bridge Division*

COMMENTS

General Comments :	CITY OF ST. PETERS. 1-SPAN.	
Deck Rating Comments :	ASPHALT WEARING SURFACE, MANY CRACKS AND SPALLS; TRAPS WATER. 40%+ DECK SATURATION.	
Superstructure Comments :	DOUBLE TEE GIRDERS CRACKED, SOME OPEN, WIDESPREAD MINOR DELAMS, LEACHING IN ENCASEMENTS, SATURATION EVIDENT THROUGHOUT WITH LONGITUDIANL CRACKS	
Substructure Comments :	DISINTEGRATION AT ALL EXT BEARING SEATS. SOME AS MUCH AS 50%. RATING WOULD BE LOWER BUT THIS AREA IS SIDEWALK. ABUTMENTS CRACKED, DETERIORATED AND LEACHING AT CORNERS, SPALLING NEAR BEARINGS. H-CRACKS IN ABUTMENT, HONEYCOMB IN WEST ABUTMENT	
Channel Protection Comments :	BRIDGE SKEW NOT ENOUGH TO MATCH CHANNEL SKEW. FLOW HITS DOWNSTREAM CORNER OF WEST ABUTMENT. TOP OF FOOTING EXPOSED. CORNERS ARE RIPRAPPED. BANK EROSION UPSTREAM AND DOWNSTREAM.	
Culvert Comments :		
Bridge Railing Comments :		
Transition Railing Comments :		
Approach Railing Comments :		
Rail End Treatment Comments :		
Water Adequacy Comments :	DOES NOT OVERTOP.	
Approach Roadway Comments :		
Scour Assessment Comments :	RIPRAPPED. MINOR EXPOSURE OF FOOTING AT WEST ABUTMENT.	
Work Comments :	REPAIR ABUTMENT BEARING SEATS AT CORNERS.	REPLACE WEARING SURFACE WITH A NEW WATERPROOF SURFACE. SEAL APPROACH JOINTS

City of St. Peters Willott Road Bridge Replacement



CITY OF ST. PETERS Willott Road Bridge Replacement



Bike / Ped Trail

Pedestrian Bridge

Bridge Replacement

Spencer Creek

Bike / Ped Trail