STAFF REPORT

MEETING
DATE: September 26, 2017

TO: City Council

FROM: Gosia Woodfin, Assistant Engineer

PRESENTER: Christopher Blunk, Deputy Public Works Director / City Engineer

SUBJECT: GRANT AVENUE BRIDGE REHABILITATION CIP PROJECT NO. 09-003 ENGINEERING DESIGN SERVICES - CONTRACT AMENDMENT

REQUEST

Authorize the City Manager to execute an amendment to the Consultant Services Agreement (CSA) #4682 with GHD, Inc. for engineering design services for the Grant Avenue Bridge Rehabilitation (CIP Project Number 09-003).

DISCUSSION

The City of Novato obtained grant authorization from the Caltrans Highway Bridge Replacement and Rehabilitation Program for federal funding for the rehabilitation of the bridge on Grant Avenue between Virginia Avenue and Eighth Street over Novato Creek. The existing bridge was built circa 1936 and although it is structurally sound, the existing roadway width and guard rails on the bridge do not conform to current State standards. The bridge has been rated “Functionally Obsolete” by Caltrans.

Pedestrian traffic is currently limited to the north side of the bridge via a separate bridge adjacent to the vehicle bridge. A pedestrian bridge that was located on the south side of the bridge was removed in 2005 as it had deteriorated beyond repair. Limited scour mitigation work was performed at the bridge abutments and the creek bank in 2007.

Proposed rehabilitation of the bridge includes widening the bridge to its south (downstream) side, removal of the existing pedestrian bridge to the north (upstream), improvements to roadway approaches, and additional street improvements beyond the approaches. The overall goals of the project include:

- Improve streetscape conditions and safety of pedestrians, bicyclists, and motorists within the public right of way of the project limits.
- Widen the existing bridge to accommodate bike lanes and sidewalks; and
- Provide scour countermeasures to protect bridge foundations.
On September 30, 2015, City staff issued a request for proposals for multi-disciplinary engineering design services for the subject project. After review of the three received proposals, the evaluation committee determined the proposal submitted by GHD, Inc. to be the best response to the request. Subsequently, GHD, Inc. was contracted to provide engineering design services to develop design and complete plans and specifications, including construction cost estimate for the bridge rehabilitation and associated roadway improvements.

However, due to insufficient funding at the time, the scope of services was divided into two phases. Phase 1 included foundation investigation and report, preparation of bridge type selection and report, coordination with environmental review and permitting, evaluation of scour countermeasures, and utility mapping and coordination. Phase 2 included project design, preparation of plans, specifications and cost estimate (PS&E), final scour countermeasures design, and assistance with HBP funding compliance. The consultant services agreement for phase 1 was entered into on December 15, 2015.

The phase 1 work is now complete. In order to continue with the design, it is necessary to amend the Consultant Services Agreement to include the phase 2 work. GHD’s estimated fee schedule for services included in the phase 2 is $339,778. This cost is typical for design services on bridge projects.

**FISCAL IMPACT**

The Grant Avenue Bridge Rehabilitation project is funded in the City of Novato Adopted Capital Improvement Program Budget for Fiscal Year 2017/2018. The services to be provided by GHD, Inc. per the CSA are part of the Project Development costs (410) of the project, and as such, funding for the same is included in the adopted budget.

**RECOMMENDATION**

Authorize the City Manager to execute the contract amendment.

**ALTERNATIVE**

1. Take no action at this time; direct staff as to action requested.

**ATTACHMENTS**

1. Exhibit A1
2. First Amendment to Agreement incl. exhibits A-G
3. CIP Budget Excerpt
4. Location Map
EXHIBIT A1

• Project Scope of Work – Phase 2
• Project Fee Estimating Sheet – Phase 2
• Project Schedule - Phase 2
EXHIBIT A

GRANT AVENUE BRIDGE PROJECT
SCOPE OF WORK

PHASE 2

The following scope of work for the final design phase of the Grant Avenue Bridge Project, as part of the Federal HBP Program, is intended to amend the original scope of work as defined for Phase 1, the preliminary design and investigation phase. The original scope of work was based on the City’s RFP dated September 30, 2015. As an amendment and for consistency, the task titles have been retained between the Phase 1 and Phase 2 scopes of work. Additional detail and information has been provided to clarify intent and clearly establish responsibility for tasks to be completed by the Consultant Team and the City.

TASK 1. PROJECT MANAGEMENT AND QA/QC

1.1 Project Coordination
GHD will be responsible for overall coordination of the project team. GHD will supervise, coordinate, and monitor planning and design of the Project for conformance with standards and policies. The geometric standards will follow Caltrans (English Unit) Highway Design Manual (HDM, current version), Caltrans 2015 (English Unit) Standard Plans, most current City Standard Plans, Caltrans 2015 (English Unit) Standard Specifications, and City Standard Special Provisions (modified Caltrans special provisions) or the current edition of these publications. Coordinate the project with various Consultant functional groups to ensure timely delivery of qualified products.

This task includes one (1) internal project kickoff meeting with key Consultant design team members. It is understood that Bill Silva, P.E., will be the Project Principal (PR) and Jeremy Schmal, P.E., will be Project Manager (PM); the PM will be available for regular meetings at the City and PR will track the project for schedule and client’s continued approval of services provided.

1.2 Monthly Reports and Scheduling
Consultant will prepare and submit monthly progress reports with invoices in accordance with the City requirements. Control of project costs will be accomplished through a work-breakdown style invoice format; data on each task/subtask will include: current charges, to-date charges, estimated percent complete, and remaining balance – all by individual task.

Consultant shall charge for services performed in accordance with the fee schedule incorporated in Exhibit A, for a not to exceed total contract amount. GHD will prepare monthly progress reports describing the progress of the design; expenditure of the budget; key issues to be resolved; and other relevant information.

Consultant will provide a detailed project schedule for the Phase 2 scope and provide updates with each invoice to the City or when significant changes in the project scope or schedule occur.

1.3 QA/QC
Consultant will perform internal Quality Assurance and Quality Control efforts to ensure completeness and accuracy of plans, specifications, and estimates.
1.4 Independent Structural Check
Conduct an internal check review of the structural calculations, plans, specifications, and estimate; concurrent with review of the 65% Submittal by the City and other applicable agencies. The purpose of this review is to provide independent review of the specific project details by professionals who were not closely involved in the design, and to review the constructability, cost-effectiveness, and completeness of design features relative to the normal standard of professional care. This independent check will include a red, green and yellow check of the structural calculations and plans. GHD will perform the independent structural check on the bridge structural design calculations prepared by the lead structural engineer, BCA.

1.5 Assist City with HBP Funding Compliance
Consultant will assist the City to prepare the required local programs forms that may include requests for scope, cost, schedule change, request for right-of-way certification, requests for utility relocation authorization, request for construction authorization, and project closeout forms. Graphics, calculations, quantities, and other support data will be provided by the Consultant team. Consultant shall assist City staff with submittals to Caltrans for cursory 65% PS&E review and as-advertised PS&E, and the completion of Caltrans Exhibit 12-D PS&E Checklist prior to submission of the “Final Design” submittal. It is understood at this time that no ROW acquisition (including TCE’s) will be required for the project, therefore “request for right-of-way authorization” support services are not included.

Deliverables
- Monthly progress report (electronic, via email)
- Monthly budget summary submitted electronically (electronic, via email)
- Monthly invoice (via email)
- Independent Structural Check; 3 hard copies, electronic

Services Provided by City
- City will make arrangements for meeting room and meeting scheduling.
- City review by the various departments and divisions will be coordinated by City Design staff. Comments will be gathered and submitted to Consultant in one comment submittal package.

TASK 2. PROGRESS MEETINGS

2.1 Progress Meetings
Progress meetings shall include design review meetings at 65%, 95%, and 100% design submittals. Task shall also include a City Council meeting Presentation (at the 100% design submittal) OR Marin Project Coordination Meeting. Meetings will be held at City offices in Novato, unless otherwise agreed.

Deliverables
- Meeting minutes (electronic, via email)
- Council Presentation materials

TASK 3. PUBLIC WORKSHOP (NA/Phase 1)

TASK 4. SUPPLEMENTAL TOPOGRAPHIC SURVEY AND UTILITY MAPPING (NA/Phase 1)

TASK 5. FOUNDATION INVESTIGATION AND REPORT

5.1 – 5.3 (NA/Phase 1)
5.4 Review Structural Design and Sign Plans
The geotechnical engineer shall review the contract documents to ensure compliance with their recommendations.
Deliverables

- Compliance Memorandum (electronic, via email)
- Signed plans as part of Task 7

**TASK 6. FINAL SCOUR COUNTERMEASURES DESIGN**

**6.1 (N/A/Phase 1)**

**6.2 Final Channel Design**

Based on the findings of the scour evaluation completed in Phase 1 and comments from the City and resource permitting agencies, the final scour countermeasures design will be provided. It is anticipated that the primary countermeasure will be RSP within the channel, under and immediately upstream and downstream of the existing and proposed bridge structures. It is understood that the final countermeasure(s) will be within the public waterway and additional right of way will not be required to construct the channel improvements. Any required mitigation design work resulting from permitting coordination with regulatory agencies for work within the channel is outside of the Phase 2 scope of work.

Deliverables

- Final channel design will be delivered within the PS&E of Task 7.

**TASK 7. PROJECT DESIGN AND PREPARATION OF PLANS, SPECIFICATIONS AND ESTIMATE (PS&E)**

Based on the approved Bridge Type Selection, Construction Documents will be prepared by the team. Construction Documents package for the bridge will include specifications and construction plans and will conform to the City's and Caltrans' Standards with Federal requirements. Final design calculations will be prepared for the bridge structure and submitted for City staff review. An opinion of probable construction cost of the project will also be provided.

The design shall include the bridge widening including new abutment foundations, resurfacing, sidewalks/barriers/railings, and scour countermeasures in Novato Creek; modifications to Grant Avenue and Virginia Avenue roadways and sidewalks, including shoulders; and associated elements. Preparation of specifications shall include development of all technical specifications.

**7.1 65% Design PS&E**

The design shall be prepared in accordance with the Caltrans Bridge Design Specifications, the AASHTO LRFD Bridge Design Specifications, 6th Edition, and California Amendments dated January 2014; Caltrans Seismic Design Criteria (CSDC) Version 1.7; the latest FHWA scour countermeasure technical guidance; published bioengineering/biotechnical criteria (USACE, NRCS, USDA-USFS), the Caltrans 2015 Standard Specifications and Plans; The Uniform Construction Standards All Cities and County of Marin (2008), as applicable.

The construction drawings are anticipated to include the following:

- Title Sheet
- Quantity Lists
- Roadway/Civil Plans
- Channel Improvement Plans
- Structural Plans
  - Bridge Plan
  - Bridge Deck Contours
  - Bridge Foundation
  - Bridge Abutment Layout/Details
  - Bridge Typical Section(s)
Bridge Reinforcement Detail(s)
Bridge Railing Details
Bridge Approach Details
Bridge Pile Details
• Lighting/Electrical Plans
• Utility Plans
• Erosion Control
• Construction Traffic Control/Detour Plan (w/ staging area)

Preparation of the 65% design plans shall coincide with resource agencies permit applications (permit applications to be prepared by GHD) and plans shall be sufficiently developed to obtain resource agency understanding of the bridge abutments and scour countermeasures design elements.

GHD will be responsible for preparing all technical specifications.

GHD shall prepare cost estimates in accordance with the LAPM and the format in Caltrans Exhibit 12-A. The City will identify participating versus non-participating project elements.

GHD shall submit this milestone submittal to the City, Caltrans (for optional cursory PS&E review), and if applicable, other agencies for review

Deliverables
• 65% plans (half size, 11x17) – 8 copies and electronic files (.dwg and .pdf)
• 65% technical specifications – 4 copies and electronic files (.doc and .pdf)
• 65% estimate – 4 copies and electronic file (.doc and .pdf)
• CT/LAPG Deliverables –
  o Plans (11x17) (4)
  o Bridge Special Provisions (4)
  o Foundation Report (2)
  o Engineers Estimate (4)
  o Type Selection Report (2)

Services Provided by City
• City will be responsible for the preparation of “front end” documents and requisite Federal Project Specifications (e.g. Form 1273, Federal Wage Rates, etc. per Exhibit 12-D), for the Specifications.
• City will submit documents to Caltrans for review. This review is anticipated to take up to 6 weeks however the design effort will continue to move ahead based on the City review.
• City will provide consolidated review comments by the various City departments/agencies.
• City will make arrangements for meeting room for submittal review meeting.

7.2 95% Design PS&E
The design shall be prepared in accordance with the Caltrans Bridge Design Specifications, the AASHTO LRFD Bridge Design Specifications, 6th Edition, and California Amendments dated January 2014; Caltrans Seismic Design Criteria (CSDC) Version 1.7; the latest FHWA scour countermeasure technical guidance; published bioengineering/biotechnical criteria (USACE, NRCS, USDA-USFS), the
Caltrans 2015 Standard Specifications and Plans; The Uniform Construction Standards All Cities and County of Marin (2008), as applicable.

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  - Bridge Typical Section(s)
  - Bridge Reinforcement Detail(s)
  - Bridge Railing Details
  - Bridge Approach Details
  - Bridge Pile Details
- Lighting/Electrical Plans
- Utility Plans
- Erosion Control
- Construction Traffic Control/Detour Plan (w/ staging area)

GHD will be responsible for preparing all technical specifications.

GHD shall prepare cost estimates in accordance with the LAPM and the format in Caltrans Exhibit 12-A. The City will identify participating versus non-participating project elements.

GHD shall submit this milestone submittal to the City, and if applicable, other agencies for review.

Deliverables

- 95% plans (half size, 11x17) – 4 copies and electronic files (.dwg and .pdf)
- 95% plans (full size, 22x34) – 4 copies and electronic files (.dwg)
- 95% technical specifications – 4 copies and electronic files (.doc and .pdf)
- 95% estimate – 4 copies and electronic file (.doc and .pdf)

Services Provided by City

- City will be responsible for the preparation of “front end” documents and requisite Federal Project Specifications (e.g. Form 1273, Federal Wage Rates, etc. per Exhibit 12-D), for the Specifications.
- City will provide consolidated review comments by the various City departments/agencies.
- City will make arrangements for meeting room for submittal review meeting.

7.3 100% Design PS&E (shall be sealed and signed)
The design shall be prepared in accordance with the Caltrans Bridge Design Specifications, the AASHTO LRFD Bridge Design Specifications, 6th Edition, and California Amendments dated January...
2014; Caltrans Seismic Design Criteria (CSDC) Version 1.7; the latest FHWA scour countermeasure technical guidance; published bioengineering/biotechnical criteria (USACE, NRCS, USDA-USFS), the Caltrans 2015 Standard Specifications and Plans; The Uniform Construction Standards All Cities and County of Marin (2008), as applicable.

The construction drawings are anticipated to include the following:

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  - Bridge Reinforcement Detail(s)
  - Bridge Railing Details
  - Bridge Approach Details
  - Bridge Pile Details
- Lighting/Electrical Plans
- Utility Plans
- Erosion Control
- Construction Traffic Control/Detour Plan (w/ staging area)

GHD will be responsible for preparing all technical specifications (Caltrans format).

GHD shall prepare cost estimates in accordance with the LAPM and the format in Caltrans Exhibit 12-A. The City will identify participating versus non-participating project elements.

GHD shall submit this milestone submittal to the City, and if applicable, other agencies for review.

**Deliverables**

- 100% plans (half size, 11x17) – 4 copies and electronic files (.dwg and .pdf)
- 100% plans (full size, 22x34) – 4 copies and electronic files (.dwg)
- 100% technical specifications – 4 copies and electronic files (.doc and .pdf)
- 100% estimate – 4 copies and electronic file (.xls)

**Services Provided by City**

- City will be responsible for the preparation of “front end” documents and requisite Federal Project Specifications (e.g. Form 1273, Federal Wage Rates, etc. per Exhibit 12-D), for the Specifications.
- City will provide consolidated review comments by the various City departments/agencies.
- City will make arrangements for meeting room for submittal review meeting.

**7.4 Final PS&E** (sealed, signed, and ready for bid advertisement)
The design shall be prepared in accordance with the Caltrans Bridge Design Specifications, the AASHTO LRFD Bridge Design Specifications, 6th Edition, and California Amendments dated January 2014; Caltrans Seismic Design Criteria (CSDC) Version 1.7; the latest FHWA scour countermeasure technical guidance; published bioengineering/biotechnical criteria (USACE, NRCS, USDA-USFS), the Caltrans 2015 Standard Specifications and Plans; The Uniform Construction Standards All Cities and County of Marin (2008), as applicable.

The construction drawings are anticipated to include the following:

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- Erosion Control
- Construction Traffic Control/Detour Plan (w/ staging area)

GHD will be responsible for preparing all technical specifications (Caltrans format).

GHD shall prepare cost estimates in accordance with the LAPM and the format in Caltrans Exhibit 12-A. The City will identify participating versus non-participating project elements.

GHD shall submit this milestone submittal to the City, Caltrans, and if applicable, other agencies for review.

**Deliverables**

- Final plans (full size, 22x34) – 10 copies and electronic files (.dwg and .pdf)
- Final technical specifications – 4 copies and electronic files (.doc and .pdf)
- Final estimate – 4 copies and electronic file (.xls)

**Services Provided by City**

- City will be responsible for the preparation of “front end” documents and requisite Federal Project Specifications (e.g. Form 1273, Federal Wage Rates, etc. per Exhibit 12-D), for the Specifications.
- City will submit documents to Caltrans for review.
- City will provide consolidated review comments by the various City departments/agencies.
- City will make arrangements for meeting room for submittal review meeting.
TASK 8. COORDINATION WITH ENVIRONMENTAL REVIEW AND PERMITTING (NA/Phase 1)

TASK 9. ENGINEERING SUPPORT DURING BID PHASE AND CONSTRUCTION (Post Caltrans RFA; future phase)

During the Bid Phase, GHD shall respond to questions, prepare addenda, if necessary, and participate in evaluation of the bids. To address these items, GHD shall assume a total of (TBD) hours of support during the Bid Phase. During the construction phase, GHD shall provide clarifications or responses to formal Contractor Requests for Information (RFIs) as well as technical review of certain submittals. GHD shall assume (TBD) hours of RFI review/comment, and technical review/comment of (TBD) Contractor technical submittals. Support during construction shall also include a total of (TBD) site visits in conjunction with RFI responses or general project review, and attendance at the pre-construction meeting.
### Labor Costs

<table>
<thead>
<tr>
<th>Task / Item</th>
<th>Labor Category</th>
<th>Task</th>
<th>Direct Rate</th>
<th>Task Item</th>
<th>Rate</th>
<th>Total Hours</th>
<th>Direct Costs</th>
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**Total Labor Costs:** $174,784

**GHD Labor:** $55,902

**Indirect Costs:** $13,812

**Profit (10%):** $14,444

**Total Cost:** $193,040

### Fee Computation

- **Reimbursable:** $822

**PROJECT TOTALS:**

- **84**
- **120**
- **82**
- **352**
- **48**
- **226**
- **16**
- **38**
- **86**
- **1,111**

**$1,111**

**$174,784**

**$5,000**

**$55,902**

**$158,883**

### Key Assumptions:

- No right of way or easements required (ROW phase)
- No unforeseen site soils/geotech issues
- No additional studies required
- City to coordinate with Caltrans (eg E-76, etc)
**NOTICE TO PROCEED (PH 2 / Sept 26, 2017)**

<table>
<thead>
<tr>
<th>Task</th>
<th>Name</th>
<th>Duration</th>
<th>Start</th>
<th>Finish</th>
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<td>1</td>
<td>1.5 - Assist City with HBP Funding Compliance</td>
<td>170 days</td>
<td>Mon 12/11/17</td>
<td>Fri 12/29/17</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Task 2 - Progress Meetings</td>
<td>150 days</td>
<td>Mon 10/13/17</td>
<td>Fri 4/27/18</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2.1 - Progress Meetings (see Task 7 below)</td>
<td>150 days</td>
<td>Mon 10/13/17</td>
<td>Fri 4/27/18</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Task 3 - Public Workshop</td>
<td>1 day</td>
<td>Wed 5/18/18</td>
<td>Wed 5/18/18</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3.1 - Public Workshop (Phase 1)</td>
<td>1 day</td>
<td>Wed 5/18/18</td>
<td>Wed 5/18/18</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Task 4 - Supplemental Topo Survey and Utility Mapping</td>
<td>681 days</td>
<td>Fri 10/23/17</td>
<td>Fri 6/1/18</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>4.1 - Supplemental Topo Survey Coordination (Phase 1)</td>
<td>45 days</td>
<td>Fri 10/23/17</td>
<td>Thu 12/4/17</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>4.2 - Utility Mapping and Design Coordination</td>
<td>76 days</td>
<td>Fri 10/23/17</td>
<td>Fri 2/5/18</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>CITY - Notice to Utilities</td>
<td>5 days</td>
<td>Mon 10/2/17</td>
<td>Fri 10/6/17</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>CITY - Utility Agreements</td>
<td>30 days</td>
<td>Mon 10/9/17</td>
<td>Fri 11/17/17</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>CITY - Prepare ROW Certification</td>
<td>10 days</td>
<td>Mon 4/16/18</td>
<td>Fri 4/27/18</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Caltrans - ROW Certification Process</td>
<td>25 days</td>
<td>Mon 4/16/18</td>
<td>Mon 6/5/18</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Task 5 - Foundation Investigation and Report</td>
<td>468 days</td>
<td>Fri 10/23/17</td>
<td>Tue 4/17/18</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>5.1 - Subsurface Investigation (Phase 1)</td>
<td>35 days</td>
<td>Fri 10/23/17</td>
<td>Thu 12/10/17</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>5.2 - Preliminary Foundation Report (Phase 1)</td>
<td>1 day</td>
<td>Thu 12/10/17</td>
<td>Thu 3/3/18</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>5.3 - Final Foundation Report (Phase 1)</td>
<td>1 day</td>
<td>Thu 3/3/18</td>
<td>Wed 3/14/18</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>5.4 - Review structural design and sign plans</td>
<td>122 days</td>
<td>Mon 10/30/17</td>
<td>Thu 4/17/18</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Task 6 - Final Scour Countermeasures Evaluation and Design</td>
<td>530 days</td>
<td>Fri 10/23/17</td>
<td>Thu 11/2/17</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>6.1 - Scour Countermeasures Evaluation (Phase 1)</td>
<td>26 days</td>
<td>Thu 10/23/17</td>
<td>Thu 12/11/17</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>6.2 - Channel Design</td>
<td>24 days</td>
<td>Mon 10/2/17</td>
<td>Mon 11/17/17</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Task 7 - Project Design and Preparation of PS&amp;E275 days</td>
<td>50 days</td>
<td>Mon 10/2/17</td>
<td>Fri 10/19/18</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>7.1 - 50% Design PS&amp;E</td>
<td>50 days</td>
<td>Mon 10/2/17</td>
<td>Fri 12/17/17</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>CITY - Review 50% Progress Mtg</td>
<td>24 days</td>
<td>Mon 12/11/17</td>
<td>Fri 1/19/18</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Caltrans - Optional Cursory Review 65%</td>
<td>35 days</td>
<td>Mon 12/11/17</td>
<td>Fri 1/19/18</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>7.2 - 95% Design PS&amp;E</td>
<td>35 days</td>
<td>Mon 1/5/18</td>
<td>Fri 3/2/18</td>
<td></td>
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<tr>
<td>16</td>
<td>CITY - Review 95%/Progress Mtg</td>
<td>15 days</td>
<td>Mon 3/5/18</td>
<td>Fri 3/31/17</td>
<td></td>
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<tr>
<td>17</td>
<td>7.3 - 100% Design PS&amp;E</td>
<td>25 days</td>
<td>Mon 3/26/18</td>
<td>Fri 4/27/18</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>CITY - Backcheck 100% Review</td>
<td>10 days</td>
<td>Mon 4/15/18</td>
<td>Fri 5/11/18</td>
<td></td>
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<tr>
<td>19</td>
<td>Misc Pickups</td>
<td>2 days</td>
<td>Mon 5/14/18</td>
<td>Tue 5/15/18</td>
<td></td>
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<tr>
<td>20</td>
<td>CITY - RFA for Construction</td>
<td>6 days</td>
<td>Mon 6/4/18</td>
<td>Fri 6/8/18</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>Caltrans - E&amp;O Construction Approval</td>
<td>90 days</td>
<td>Mon 6/11/18</td>
<td>Fri 10/12/18</td>
<td></td>
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<tr>
<td>22</td>
<td>8.4 - Final PS&amp;E (3rd Document)</td>
<td>9 days</td>
<td>Mon 10/15/18</td>
<td>Mon 10/19/18</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Task 8 - Coordination with Environmental Review and Permitting</td>
<td>115 days</td>
<td>Fri 10/23/17</td>
<td>Thu 3/3/16</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>8.1 - Environmental Coordination</td>
<td>115 days</td>
<td>Fri 10/23/17</td>
<td>Thu 3/3/18</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>8.2 - Marketing Coordination</td>
<td>115 days</td>
<td>Fri 10/23/17</td>
<td>Thu 3/3/18</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>Task 9 - Engineering Support during Bid Phase and Construction (Hours per RFP)</td>
<td>212 days</td>
<td>Mon 1/7/19</td>
<td>Tue 10/29/19</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>9.1 - Bid Phase (Addenda, Questions)</td>
<td>80 days</td>
<td>Mon 1/7/19</td>
<td>Fri 4/26/19</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>9.2 - Evaluation and Design</td>
<td>80 days</td>
<td>Mon 1/7/19</td>
<td>Fri 4/26/19</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>9.3 - Construction Phase (Hun)</td>
<td>110 days</td>
<td>Wed 5/15/19</td>
<td>Mon 10/29/19</td>
<td></td>
</tr>
</tbody>
</table>
FIRST AMENDMENT TO AGREEMENT

This First Amendment Consultant Services Agreement is entered into as of this ___ day of _______ 2017, by and between the CITY OF NOVATO, a municipal corporation, hereinafter called “City” and GHD, Inc, hereinafter called “Consultant”.

RECITALS

WHEREAS, the City and Consultant entered into a Consultant Services Agreement # 4682 dated December 15, 2015, (“Agreement #4682”); and

WHEREAS, the parties desire to amend that #4682 to incorporate revised required provisions for federally funded projects and to add Phase 2 tasks and increase the contract total compensation relating thereto.

AGREEMENTS

NOW, THEREFORE, Agreement # 4682 is hereby amended as set forth herein.

1. Section 2 is hereby amended to read as set forth in Exhibit A, attached hereto and incorporated herein by reference.

2. Section 3 is hereby amended to read as set forth in Exhibit B, attached hereto and incorporated herein by reference.

3. Section 6 is hereby amended to add the language as set forth in Exhibit F, attached hereto and incorporated herein by reference.

4. Section 8 is hereby amended to add the language as set forth in Exhibit G, attached hereto and incorporated herein by reference.

5. Section 15 is hereby amended to read as set forth in Exhibit C, attached hereto and incorporated herein by reference.

6. Section 25 is hereby added to read as set forth in Exhibit D, attached hereto and incorporated herein by reference.

7. Sections 26, 27, 28, 29, 30, 31, 32 and 33 are hereby added to read as set forth in Exhibit E, attached hereto and incorporated herein by reference.

8. Exhibit A, to Agreement #4682 is hereby amended to add the Project Scope of Work – Phase 2, Project Estimating Sheet – Phase 2 and Project Schedule- Phase 2 as set forth in Exhibit A1, attached hereto and incorporated herein by reference.
All other terms and conditions of said Agreement # 4682 shall remain the same.

IN WITNESS WHEREOF, the City and the Consultant/Contractor have executed this Amendment as of the date first above written.

__________________________
City

__________________________
Consultant
Exhibit A

PERFORMANCE PERIOD

A. This contract shall go into effect on October 2, 2017, contingent upon approval by City, and Consultant shall commence work after notification to proceed by City’s Contract Administrator. The contract shall end on December 31, 2018, unless extended by contract amendment.

B. Consultant is advised that any recommendation for contract award is not binding on City until the contract is fully executed and approved by City.
Exhibit B

ALLOWABLE COSTS AND PAYMENTS

A. The method of payment for this contract will be based on actual cost plus a fixed fee. City will reimburse Consultant for actual costs (including labor costs, employee benefits, travel, equipment rental costs, overhead and other direct costs) incurred by Consultant in performance of the work. Consultant will not be reimbursed for actual costs that exceed the estimated wage rates, employee benefits, travel, equipment rental, overhead, and other estimated costs set forth in the approved Consultant’s Cost Proposal, unless additional reimbursement is provided for by contract amendment. In no event, will Consultant be reimbursed for overhead costs at a rate that exceeds City’s approved overhead rate set forth in the Cost Proposal. In the event, that City determines that a change to the work from that specified in the Cost Proposal and contract is required, the contract time or actual costs reimbursable by City shall be adjusted by contract amendment to accommodate the changed work. The maximum total cost as specified in Paragraph “H” shall not be exceeded, unless authorized by contract amendment.

B. In addition to the allowable incurred costs, City will pay Consultant a fixed fee of $7,012 for phase 1 and $14,444 for Phase 2. The fixed fee is nonadjustable for the term of the contract, except in the event of a significant change in the scope of work and such adjustment is made by contract amendment.

C. Reimbursement for transportation and subsistence costs shall not exceed the rates specified in the approved Cost Proposal.

D. When milestone cost estimates are included in the approved Cost Proposal, Consultant shall obtain prior written approval for a revised milestone cost estimate from the Contract Administrator before exceeding such cost estimate.

E. Progress payments will be made monthly in arrears based on services provided and allowable incurred costs. A pro rata portion of Consultant’s fixed fee will be included in the monthly progress payments. If Consultant fails to submit the required deliverable items according to the schedule set forth in the Statement of Work, City shall have the right to delay payment or terminate this Contract in accordance with the provisions of Exhibit C TERMINATION.

F. No payment will be made prior to approval of any work, nor for any work performed prior to approval of this contract.

G. Consultant will be reimbursed, as promptly as fiscal procedures will permit upon receipt by City’s Contract Administrator of itemized invoices in triplicate. Invoices shall be submitted no later than 45 calendar days after the performance of work for which Consultant is billing. Invoices shall detail the work performed on each milestone and each project as applicable. Invoices shall follow the format stipulated for the approved Cost Proposal and shall reference this contract number and project title. Final invoice must contain the final cost and all credits due City including any equipment purchased under the provisions of Exhibit E EQUIPMENT PURCHASE of this contract. The final invoice should be submitted within 60 calendar days after completion of Consultant’s work. Invoices shall be mailed to City’s Contract Administrator at the following address:
Exhibit C

EXPIRATION AND TERMINATION

A. Unless extended by mutual agreement or terminated pursuant to this section, this Agreement shall expire upon Consultant's satisfactory and timely completion of the services contracted for hereunder.

B. This Agreement and all obligations hereunder may be terminated at any time, with or without cause, by the City within its sole discretion upon written notice to the Consultant. In the event of such termination, City may proceed with the work in any manner deemed proper by City. If City terminates this contract with Consultant, the Consultant shall be compensated for all work satisfactorily performed prior to the time Consultant receives the termination notice, and shall be compensated for materials ordered by the Consultant, and services of others ordered by the Consultant prior to receipt of the City's termination notice whether or not such materials or instruments of services of others have actually been delivered to Consultant or to the City, provided that the Consultant is not able to cancel such orders for materials or services of others, unless the cost of completion to City exceeds the funds remaining in the contract, in which case the overage shall be deducted from any sum due Consultant under this contract and the balance, if any, shall be paid to Consultant upon demand. In the event this agreement is terminated pursuant to this section, Consultant shall not be entitled to any additional compensation over that provided herein; nor shall Consultant be entitled to payment for any alleged damages or injuries (including lost opportunity damages) purportedly caused by the termination of this agreement by the City pursuant to this section.

C. Consultant may terminate this Agreement upon thirty (30) days written notice to the City only for good cause, including without limitation, serious illness or material breach of this Agreement by City. Consultant's written notice of termination shall contain a full explanation of the facts and circumstances constituting good cause. Upon termination, all finished and unfinished documents, project data and reports shall, at the option of the City, become its sole property and shall, at Consultant's expense, be delivered to the City or to any party the City may so designate. In the event of termination by the Consultant, the Consultant shall only be compensated for all work Consultant satisfactorily performs prior to the time Consultant delivers to the City the termination notice, unless other arrangements are agreed to by the City. City reserves the right to terminate this contract upon thirty (30) calendar days written notice to Consultant with the reasons for termination stated in the notice.

D. The maximum amount for which the City shall be liable if this contract is terminated is 142,633 dollars for Phase 1 work and 339,778 for Phase 2 work.
H. The total amount payable by City including the fixed fee shall not exceed $142,633 for Phase 1 and $339,778 for Phase 2.

I. Salary increases will be reimbursable if the new salary is within the salary range identified in the approved Cost Proposal and is approved by City’s Contract Administrator.

For personnel subject to prevailing wage rates as described in the California Labor Code, all salary increases, which are the direct result of changes in the prevailing wage rates are reimbursable.
Exhibit D

COST PRINCIPLES AND ADMINISTRATIVE REQUIREMENTS

A. Consultant agrees that the Contract Cost Principles and Procedures, 48 CFR, Federal Acquisition Regulations System, Chapter 1, Part 31.000 et seq., shall be used to determine the cost allowability of individual items.

B. Consultant also agrees to comply with federal procedures in accordance with 49 CFR, Part 18, Uniform Administrative Requirements for Grants and Cooperative Agreements to State and Local Governments.

C. Any costs for which payment has been made to Consultant that are determined by subsequent audit to be unallowable under 49 CFR, Part 18 and 48 CFR, Federal Acquisition Regulations System, Chapter 1, Part 31.000 et seq., are subject to repayment by Consultant to City.
RETENTION OF RECORDS/AUDIT

For the purpose of determining compliance with Public Contract Code 10115, et seq. and Title 21, California Code of Regulations, Chapter 21, Section 2500 et seq., when applicable and other matters connected with the performance of the contract pursuant to Government Code 8546.7; Consultant, subconsultants, and City shall maintain and make available for inspection all books, documents, papers, accounting records, and other evidence pertaining to the performance of the contract, including but not limited to, the costs of administering the contract. All parties shall make such materials available at their respective offices at all reasonable times during the contract period and for three years from the date of final payment under the contract. The state, State Auditor, City, FHWA, or any duly authorized representative of the Federal Government shall have access to any books, records, and documents of Consultant and it’s certified public accountants (CPA) work papers that are pertinent to the contract and indirect cost rates (ICR) for audit, examinations, excerpts, and transactions, and copies thereof shall be furnished if requested.

AUDIT REVIEW PROCEDURES

A. Any dispute concerning a question of fact arising under an interim or post audit of this contract that is not disposed of by agreement, shall be reviewed by City’s Chief Financial Officer.

B. Not later than 30 days after issuance of the final audit report, Consultant may request a review by City’s Chief Financial Officer of unresolved audit issues. The request for review will be submitted in writing.

C. Neither the pendency of a dispute nor its consideration by City will excuse Consultant from full and timely performance, in accordance with the terms of this contract.

D. Consultant and subconsultant contracts, including cost proposals and ICR, are subject to audits or reviews such as, but not limited to, a contract audit, an incurred cost audit, an ICR Audit, or a CPA ICR audit work paper review. If selected for audit or review, the contract, cost proposal and ICR and related work papers, if applicable, will be reviewed to verify compliance with 48 CFR, Part 31 and other related laws and regulations. In the instances of a CPA ICR audit work paper review it is Consultant’s responsibility to ensure federal, state, or local government officials are allowed full access to the CPA’s work papers including making copies as necessary. The contract, cost proposal, and ICR shall be adjusted by Consultant and approved by City contract manager to conform to the audit or review recommendations. Consultant agrees that individual terms of costs identified in the audit report shall be incorporated into the contract by this reference if directed by City at its sole discretion. Refusal by Consultant to incorporate audit or review recommendations, or to ensure that the federal, state or local governments have access to CPA work papers, will be considered a breach of contract terms and cause for termination of the contract and disallowance of prior reimbursed costs.

EQUIPMENT PURCHASE

A. Prior authorization in writing, by City’s Contract Administrator shall be required before Consultant enters into any unbudgeted purchase order, or subcontract exceeding $5,000 for supplies, equipment, or Consultant services. Consultant shall provide an evaluation of the necessity or desirability of incurring such costs.
B. For purchase of any item, service or consulting work not covered in Consultant’s Cost Proposal and exceeding $5,000 prior authorization by City’s Contract Administrator; three competitive quotations must be submitted with the request, or the absence of bidding must be adequately justified.

C. Any equipment purchased as a result of this contract is subject to the following: “Consultant shall maintain an inventory of all nonexpendable property. Nonexpendable property is defined as having a useful life of at least two years and an acquisition cost of $5,000 or more. If the purchased equipment needs replacement and is sold or traded in, City shall receive a proper refund or credit at the conclusion of the contract, or if the contract is terminated, Consultant may either keep the equipment and credit City in an amount equal to its fair market value, or sell such equipment at the best price obtainable at a public or private sale, in accordance with established City procedures; and credit City in an amount equal to the sales price. If Consultant elects to keep the equipment, fair market value shall be determined at Consultant’s expense, on the basis of a competent independent appraisal of such equipment. Appraisals shall be obtained from an appraiser mutually agreeable to by City and Consultant, if it is determined to sell the equipment, the terms and conditions of such sale must be approved in advance by LOCAL AGENCY.” 49 CFR, Part 18 requires a credit to Federal funds when participating equipment with a fair market value greater than $5,000 is credited to the project.

STATE PREVAILING WAGE RATES
A. CONSULTANT shall comply with the State of California’s General Prevailing Wage Rate requirements in accordance with California Labor Code, Section 1770, and all Federal, State, and local laws and ordinances applicable to the work.

B. Any subcontract entered into as a result of this contract, if for more than $25,000 for public works construction or more than $15,000 for the alteration, demolition, repair, or maintenance of public works, shall contain all of the provisions of this Article, unless the awarding agency has an approved labor compliance program by the Director of Industrial Relations.

C. When prevailing wages apply to the services described in the scope of work, transportation and subsistence costs shall be reimbursed at the minimum rates set by the Department of Industrial Relations (DIR) as outlined in the applicable Prevailing Wage Determination. See http://www.dir.ca.gov.

REBATES, KICKBACKS OR OTHER UNLAWFUL CONSIDERATION
Consultant warrants that this contract was not obtained or secured through rebates kickbacks or other unlawful consideration, either promised or paid to any City employee. For breach or violation of this warranty, City shall have the right in its discretion; to terminate the contract without liability; to pay only for the value of the work actually performed; or to deduct from the contract price; or otherwise recover the full amount of such rebate, kickback or other unlawful consideration.

PROHIBITION OF EXPENDING LOCAL AGENCY STATE OR FEDERAL FUNDS FOR LOBBYING
A. Consultant certifies to the best of his or her knowledge and belief that:
   1. No state, federal or local agency appropriated funds have been paid, or will be paid by-or-on behalf of Consultant to any person for influencing or attempting to influence an officer
or employee of any state or federal agency; a Member of the State Legislature or United States Congress; an officer or employee of the Legislature or Congress; or any employee of a Member of the Legislature or Congress, in connection with the awarding of any state or federal contract; the making of any state or federal grant; the making of any state or federal loan; the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any state or federal contract, grant, loan, or cooperative agreement.

2. If any funds other than federal appropriated funds have been paid, or will be paid to any person for influencing or attempting to influence an officer or employee of any federal agency; a Member of Congress; an officer or employee of Congress, or an employee of a Member of Congress; in connection with this federal contract, grant, loan, or cooperative agreement; Consultant shall complete and submit Standard Form-LLL, “Disclosure Form to Report Lobbying”, in accordance with its instructions.

B. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

C. Consultant also agrees by signing this document that he or she shall require that the language of this certification be included in all lower-tier subcontracts, which exceed $100,000 and that all such sub recipients shall certify and disclose accordingly.

STATEMENT OF COMPLIANCE

A. Consultant’s signature affixed herein, and dated, shall constitute a certification under penalty of perjury under the laws of the State of California that CONSULTANT has, unless exempt, complied with, the nondiscrimination program requirements of Government Code Section 12990 and Title 2, California Administrative Code, Section 8103.

B. During the performance of this Contract, Consultant and its subconsultants shall not unlawfully discriminate, harass, or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, physical disability (including HIV and AIDS), mental disability, medical condition (e.g., cancer), age (over 40), marital status, and denial of family care leave. Consultant and subconsultants shall insure that the evaluation and treatment of their employees and applicants for employment are free from such discrimination and harassment. Consultant and subconsultants shall comply with the provisions of the Fair Employment and Housing Act (Gov. Code §12990 (a-f) et seq.) and the 5applicable regulations promulgated there under (California Code of Regulations, Title 2, Section 7285 et seq.). The applicable regulations of the Fair Employment and Housing Commission implementing Government Code Section 12990 (a-f), set forth in Chapter 5 of Division 4 of Title 2 of the California Code of Regulations, are incorporated into this Contract by reference and made a part hereof as if set forth in full. Consultant and its subconsultants shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other Agreement.

C. The Consultant shall comply with regulations relative to Title VI (nondiscrimination in federally-assisted programs of the Department of Transportation – Title 49 Code of Federal Regulations, Part 21 - Effectuation of Title VI of the 1964 Civil Rights Act). Title VI provides that the recipients of federal assistance will implement and maintain a policy of nondiscrimination in which no person in
the state of California shall, on the basis of race, color, national origin, religion, sex, age, disability, be excluded from participation in, denied the benefits of or subject to discrimination under any program or activity by the recipients of federal assistance or their assignees and successors in interest.

D. The Consultant, with regard to the work performed by it during the Agreement shall act in accordance with Title VI. Specifically, the Consultant shall not discriminate on the basis of race, color, national origin, religion, sex, age, or disability in the selection and retention of Subconsultants, including procurement of materials and leases of equipment. The Consultant shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the U.S. DOT’s Regulations, including employment practices when the Agreement covers a program whose goal is employment.

DEBARTMENT AND SUSPENSION CERTIFICATION

A. Consultant’s signature affixed herein, shall constitute a certification under penalty of perjury under the laws of the State of California, that CONSULTANT has complied with Title 2 CFR, Part 180, “OMB Guidelines to Agencies on Government wide Debarment and Suspension (nonprocurement)”, which certifies that he/she or any person associated therewith in the capacity of owner, partner, director, officer, or manager, is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any federal agency; has not been suspended, debarred, voluntarily excluded, or determined ineligible by any federal agency within the past three (3) years; does not have a proposed debarment pending; and has not been indicted, convicted, or had a civil judgment rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past three (3) years. Any exceptions to this certification must be disclosed to City.

B. Exceptions will not necessarily result in denial of recommendation for award, but will be considered in determining Consultant responsibility. Disclosures must indicate to whom exceptions apply, initiating agency, and dates of action.

C. Exceptions to the Federal Government Excluded Parties List System maintained by the General Services Administration are to be determined by the Federal highway Administration.
Exhibit F

SUBCONTRACTING

A. Nothing contained in this contract or otherwise, shall create any contractual relation between City and any subconsultant(s), and no subcontract shall relieve Consultant of its responsibilities and obligations hereunder. Consultant agrees to be as fully responsible to City for the acts and omissions of its subconsultant(s) and of persons either directly or indirectly employed by any of them as it is for the acts and omissions of persons directly employed by Consultant. Consultant’s obligation to pay its subconsultant(s) is an independent obligation from City’s obligation to make payments to the Consultant.

B. Consultant shall perform the work contemplated with resources available within its own organization and no portion of the work pertinent to this contract shall be subcontracted without written authorization by City’s Contract Administrator, except that, which is expressly identified in the approved Cost Proposal.

C. Consultant shall pay its subconsultants within ten (10) calendar days from receipt of each payment made to Consultant by City.

D. All subcontracts entered into as a result of this contract shall contain all the provisions stipulated in this contract to be applicable to subconsultants.

E. Any substitution of subconsultant(s) must be approved in writing by City’s Contract Administrator prior to the start of work by the subconsultant(s).
Exhibit G

CONFLICT OF INTEREST

A. Consultant shall disclose any financial, business, or other relationship with City that may have an impact upon the outcome of this contract, or any ensuing City construction project. Consultant shall also list current clients who may have a financial interest in the outcome of this contract, or any ensuing City construction project, which will follow.

B. Consultant hereby certifies that it does not now have, nor shall it acquire any financial or business interest that would conflict with the performance of services under this contract.

C. Consultant hereby certifies that neither Consultant, nor any firm affiliated with Consultant will bid on any construction contract, or on any contract to provide construction inspection for any construction project resulting from this contract. An affiliated firm is one, which is subject to the control of the same persons through joint-ownership, or otherwise.

D. Except for subconsultants whose services are limited to providing surveying or materials testing information, no subconsultant who has provided design services in connection with this contract shall be eligible to bid on any construction contract, or on any contract to provide construction inspection for any construction project resulting from this contract.
Grant Avenue Bridge Rehabilitation

Project No.: 09-003
Base Code: 431

**Funded**

**Project Objective:** To rehabilitate the existing vehicle bridge by providing separate bicycle and pedestrian facilities and replacing substandard railings.

**Project Description and Background:** The existing bridge on Grant Avenue over Novato Creek near the intersection with Virginia Avenue, was built in 1932, and by today's standards is not wide enough to carry both vehicle and bicycle traffic. Pedestrian traffic is limited to the northerly side of the bridge (via a separate bridge adjacent to the vehicle bridge). The pedestrian bridge on the southerly side was removed in 2005 as it had deteriorated beyond repair. Both the vehicle bridge and remaining pedestrian bridge are structurally sound and do not need to be replaced. This project is planned to widen the vehicle bridge to provide pedestrian and bicycle facilities and new bridge railings. The existing pedestrian bridge will no longer be needed and will likely be removed.

**Basis for Cost Estimate:** Project development costs are an estimate to complete the design and advertise for bids. Construction costs are based on an estimate prepared by the structural engineer hired to analyze the existing bridge and provide alternatives for construction. Construction management costs are based on the federal funding guidelines.

**Basis for Schedule:** Project development began late in FY 07/08 when the project was initiated and a concept plan developed. The concept plan was completed spring 2010. A request for federal funding was made, and received federal authorization in October 2010. The environmental process began in the summer of 2011, and preliminary design in 2015. The environmental documentation and design are scheduled to be completed in late 2017, with construction anticipated during the 2018 season.

**Revenue Considerations:** Highway Bridge Program federal grant, Development Impact Fees Transit/Bicycle and Gas Tax are the funding sources for this project.

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LOCATION MAP
N.T.S.