August 23, 2006

ATTENTION: ALL BIDDERS AND PLAN HOLDERS

RE: C 2871 – W. Powerhouse Road Bridge No. 786 Replacement

ADDENDUM NO. 2

You are hereby notified that the documents for the above referenced project are amended as explained below.

**Contract Documents:**

- Replace page 55 of Special Provisions with the attached page 55. The deadline time for receipt of the sealed bids is changed to agree with other pages in the Bid Documents and Contract Documents to 2:00 p.m.
- Replace page 86 of Special Provisions with the attached page 86. Item F. is revised to add the option to request a mailed CD of plans of the existing structure. Also, the lettered paragraphs are re-located to be in sequence.
- Add page 106A to Special Provisions. This page adds the option of using certain WSDOT approved Concrete Block Faced Structural Earth Wall systems.
- Replace page 108 of Special Provisions with the attached page 108 and 108A. This adds the specific erection requirements for Concrete Block Faced Structural Earth Wall.

All bidders shall be required to furnish the Yakima County Engineer with evidence of the receipt of this Addendum. This Addendum shall be incorporated in and made a part of the contract when awarded and formally executed.

Gary Ekstedt, P.E.
County Engineer
Any correction to a bid made by interlineation, alteration, or erasure, shall be initialed by the
signer of the bid. The bidder shall make no stipulation on the Bid Form, nor qualify the bid in
any manner.

A bid by a corporation shall be executed in the corporate name, by the president or a vice
president (or other corporate officer accompanied by evidence of authority to sign).

A bid by a partnership shall be executed in the partnership name, and signed by a partner. A
copy of the partnership agreement shall be submitted with the Bid Form if any D/M/WBE
requirements are to be satisfied through such an agreement.

A bid by a joint venture shall be executed in the joint venture name and signed by a member
of the joint venture. A copy of the joint venture agreement shall be submitted with the Bid
Form if any D/W/MBE requirements are to be satisfied through such an agreement.

1-02.6 Preparation Of Proposal
(August 2, 2004)
The fifth and sixth paragraphs of Section 1-02.6 are deleted.

1-02.7 Bid Deposit
October 1, 2005 APWA GSP

Supplement this section with the following:

Bid bonds shall contain the following:
1. Contracting Agency-assigned number for the project;
2. Name of the project;
3. The Contracting Agency named as obligee;
4. The amount of the bid bond stated either as a dollar figure or as a percentage which
   represents five percent of the maximum bid amount that could be awarded;
5. Signature of the bidder’s officer empowered to sign official statements. The signature of
   the person authorized to submit the bid should agree with the signature on the bond, and
   the title of the person must accompany the said signature;
6. The signature of the surety’s officer empowered to sign the bond and the power of
   attorney.

If so stated in the Contract Provisions, bidder must use the bond form included in the Contract
Provisions.

1-02.9 Delivery of Proposal

Section 1-02.9 of the Standard Specifications is deleted in its entirety and replaced with the following:

(******)
Sealed bids shall be received at the following location before the specified time:

Office of the County Commissioners of Yakima County, Room 232, Yakima County
Courthouse, Yakima, Washington 98901, until 2:00 p.m. of the bid opening date.
D. Care shall be taken during all removal operations so as to prevent any damage to portions of the existing structure which are to remain.

E. No waste site has been provided for the disposal of removal material. All material to be removed from the existing structure shall become the property of the Contractor and shall be removed from the site and disposed of in accordance with Federal, State and local laws as approved by the Engineer. Removal and disposal of all materials shall be included in the Demolition Plan.

F. Plans of the existing structure are available at Yakima County Department of Public Works, 128 North 2nd Street, Room 408 Courthouse, Yakima, Washington, 98901-2614 or by calling (509) 574-2314 and requesting a mailed CD for the prospective bidder's inspection. These plans are not "As-Built" and should be considered approximate. Conditions shall be field verified by the Contractor prior to bid.

G. Support bents or shoring, below the ordinary high water mark (OHWM), are restricted by permit requirements. Work below the OHWM is only permitted from June 15, 2007 to October 31, 2007. Additional requirements for temporary supports in the river are specified in Section 6 of these Special Provisions.

H. Concrete deck removal shall be performed only by acceptable mechanical means. No hydro demolition or saw-cutting is permitted.

I. The Contractor shall submit a bridge demolition plan with working drawings and calculations to the Engineer for approval in accordance with Section 6-01.9, showing the method of removing the existing superstructure, as specified.

The bridge demolition plan shall show support bents, bracing, guys, lifting devices, lifting attachments, the sequence of demolition and removal, the type of equipment to be used in all demolition and removal operations, the location of cranes and barges, the location of support or lifting points, and the weights of structure parts being removed. The plan shall include a crane stability analysis and crane load calculations based on the controlling crane picks of the Contractor's plan. The plan shall detail the containment, collection, and disposal of all debris. The plan shall show all stages of demolition.

The Contractor shall not begin removal operations until receiving the Engineer's approval of the bridge demolition plan.

(August 1, 2005)

Removing Portions of Existing Concrete

Before removing the portions of the existing concrete adjacent to that which is to remain, a 3/4-inch deep saw cut, but no deeper than the existing concrete cover over the steel reinforcing bars, shall be made into the surface of the concrete to form a break line. Care shall be taken to prevent cutting the existing reinforcing steel bars which are to remain.

Care shall be taken in removing concrete to prevent overbreakage or damage to portions of the existing structure which are to remain. Concrete shall be carefully broken away from the steel reinforcing bars which extend from the existing structure. Steel reinforcing bars which extend from the existing members shall be cleaned (defined as exposing the deformed surface of the bar) and spliced with the steel reinforcing bars in
(April 5, 2004)

Concrete Block Faced Structural Earth Wall

Concrete block faced structural earth walls shall be constructed of only one of the following wall systems. The Contractor shall make arrangements to purchase the concrete blocks, soil reinforcement, attachment devices, joint filler, and all necessary incidentals from the source identified with each wall system:

Mesa Wall
Mesa Wall is a registered trademark of Tensar Earth Technologies, Inc.

Tensar Earth Technologies, Inc.
5883 Glenridge Drive  Suite 200
Atlanta, GA  30328
(800) 836-7271

KeySystem I Wall
KeySystem I is a registered trademark of Keystone Retaining Wall Systems, Inc.

Keystone Retaining Wall Systems, Inc.
2061 NW Alopec Drive  Suite 907
Hillsboro, OR  97214
(800) 733-7470
(FAX (503) 439-8592

W. POWERHOUSE ROAD BRIDGE NO. 788 REPLACEMENT
C2871
Special Provisions
Addendum 2

106A
Rods forming the internal connection channel in precast concrete facing panels shall be turned within 20 minutes of concrete placement in each concrete panel, and removed between 3 and 24 hours after concrete placement.

Precast Concrete Facing Panel and Concrete Block Erection

Section 6-13.3(5) is supplemented with the following:

(April 5, 2004)
Specific Erection Requirements for Precast Concrete Panel Faced Structural Earth Walls
MSE Plus Wall
The loop pockets and access pockets of the internal connection channel of the precast concrete facing panels shall be cleaned of all backfill and extraneous materials prior to inserting the pins to connect the soil reinforcing mesh to each concrete panel.

(April 5, 2004)
Specific Erection Requirements for Precast Concrete Block Faced Structural Earth Walls
Mesa Wall
For all concrete block courses receiving geogrid reinforcement, the fingers of the block connectors shall engage the geogrid reinforcement apertures, both in the connector slot in the block, and across the block core. For all concrete block courses with intermittent geogrid coverage, a #3 steel reinforcing bar shall be placed, butt end to butt end, in the top block groove, with the butt ends being placed at a center of a concrete block.

Backfill
Section 6-13.3(7) is supplemented with the following:

(April 5, 2004)
Specific Backfill Requirements for Precast Concrete Panel Faced Structural Earth Walls
MSE Plus Wall
At each wall reinforcement level, the Contractor shall place the backfill to the level of the connection. Backfill placement and compaction methods shall ensure that no voids exist directly beneath the wall reinforcement near the precast concrete facing panels.

SHAFTS

Description
1.01 Shafts
A. This item of work shall consist of furnishing all materials, labor, tools, equipment, services and incidentals necessary to construct the shafts in accordance with the Plans, the Standard Specifications, and the Special Provisions.
2.01 Casing

A. All permanent casing shall be of steel base metal conforming to ASTM A 36. All permanent casing shall be of ample strength to resist damage and deformation from transportation and handling, installation stresses, and all pressures and forces acting on the casing.

All temporary casing shall be a smooth wall structure of steel base metal, except where corrugated metal pipe is shown in the Plans as an acceptable alternative material. All temporary casing shall be of ample strength to resist damage and deformation from transportation and handling, installation and extraction stresses, and all pressures and forces.