August 29, 2006

ATTENTION: ALL BIDDERS AND PLAN HOLDERS

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

ADDENDUM NO. 4

You are hereby notified that the plans and specifications for the above referenced project are amended as explained below.

Bid Documents:
- Replace page 2 of the Bid Documents with the attached page 2. The bid opening date has been changed from August 31, 2006 to September 14, 2006.

Contract Documents:
- Replace page 2 of the Informational Bid Documents with the attached page 2. The bid opening date has been changed from August 31, 2006 to September 14, 2006.
- Replace page 56 of the Special Provisions with the attached page 56. The bid opening date has been changed from August 31, 2006 to September 14, 2006.
- Replace all of Appendix A – Hydraulic Project Approval dated November 1, 2004 - with the attached Hydraulic Project Approval dated August 25, 2006. The only change is that the HPA has been updated to change the “Timing Limitations” to August 25, 2006 to October 31, 2009.
- Replace page 86, Addendum 2 with the attached page 86. Item “J” has been added to clarify that the existing bridge and W. Powerhouse Road shall remain open until at least July 1, 2007.
- Replace Plan Sheet C-1A with the attached Plan Sheet C-1A. This corrects the Summary of Quantities as required.
- Replace Plan Sheet S-4 with the attached Plan Sheet S-4. This provides clarification information regarding the drilled shaft work.

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 Ekedt, P.E.
County Engineer
INSTRUCTIONS TO BIDDERS

DELIVERY OF PROPOSALS

Sealed bids will be received at the following location before the specified time:
Office of the Board of County Commissioners of Yakima County, Room 232, Yakima County Courthouse, Yakima, Washington 98901 until 2:00 p.m. of the bid opening date.

Each proposal, or bid shall be completely sealed in a separate package, addressed to the Board of County Commissioners of Yakima County with the name of the improvements for which the bid is submitted plainly written on the outside of the package.

No oral, telephonic, facsimile, or telegraphic Bids or modifications shall be accepted.

DATE OF OPENING BIDS

The bid opening date for this project shall be September 14, 2006.
The bids shall be publicly opened and read after 2:00 p.m., on that date at the following location:
Room 419, Yakima County Courthouse, 128 North 2nd Street, Yakima, Washington 98901.

RIGHT TO REJECT BIDS:

The right is reserved to reject any and all proposals, to accept the proposal or proposals deemed best for the County or to advertise for new proposals when in the opinion of the Board the best interest of the County shall be promoted thereby.

PROPOSAL GUARANTY:

A certified check, cashiers check, cash or bid bond made payable to the Treasurer of the County of Yakima for an amount equal to at least five percent (5%) of the total amount bid must accompany each bid as evidence of good faith and as a guarantee that if awarded the Contract the bidder shall execute the Contract and give Bond as required.

FORM FURNISHED:

All Bids shall be submitted on authorized forms supplied by the County. Any Bid submitted on forms marked "Informational" or otherwise watermarked shall be considered irregular and will be rejected. Bidders wishing to submit Bids should contact the Yakima County Road Engineer's office at the address above to request authorized bid documents.

This project is a federal-aid funded project. Yakima County in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C. 2000d to 2000-4 and Title 49, Code of Federal Regulations, Department of Transportation, subtitle A, Office of the Secretary, Part 21, nondiscrimination in federally assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it shall affirmatively insure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises shall be afforded full opportunity to submit bids in response to this invitation and shall not be discriminated against on the grounds of race, color or national origin in consideration for an award.

YAKIMA COUNTY IS AN EQUAL OPPORTUNITY EMPLOYER
INSTRUCTIONS TO BIDDERS

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YAKIMA COUNTY IS AN EQUAL OPPORTUNITY EMPLOYER
HYDRAULIC PROJECT APPROVAL

Issue Date: August 25, 2006
Project Expiration Date: October 31, 2009

PERMITTEE
Yakima County Public Works
ATTENTION: Tony Carver
128 N. Second Street
Yakima, WA 98901
509-574-2324
Fax: 509-574-2301

AUTHORIZED AGENT OR CONTRACTOR
Widener & Associates
ATTENTION: Ross Widener
9908 Airport Way Building 12 Unit 1
Snohomish, WA 98296
360-563-1182
Fax: 360-862-0181

Project Name: Construct New Powerhouse Road Bridge
Project Description: Replace antiquated truss bridge with new full span precast concrete structure.

PROVISIONS

1. TIMING LIMITATIONS: The project may begin August 25, 2006 and shall be completed by October 31, 2009, provided; work below the ordinary high water mark occurs between June 1st and October 31st.

2. NOTIFICATION REQUIREMENT: The Permittee or contractor shall notify the Area Habitat Biologist (AHB) listed below of the project start date. Notification shall be received by the AHB at least three working days prior to the start of construction activities. The notification shall include the permittee’s name, project location, starting date for work, and the control number for this Hydraulic Project Approval.

3. Work shall substantially conform to plans and specifications submitted with the hydraulics project application AND approved addendums and submitted modifications to the application, except as modified by this approval. A copy of those plans and specifications and the application must be on-site during construction.

EQUIPMENT AND WORK SITE LIMITATIONS
4. Equipment shall operate from the roadway, the bank, and from inside of the containment dams; except for activities as noted below.

5. Trees of 8 inches DBH or greater removed from the bridge project footprint shall be removed whole with rootwads fully connected, but have stems cut exactly 30 feet topward for transport purposes. "WDFW" and the month / year of removal shall be clearly painted on each of these tree trunks. Tree tops and smaller removed trees shall be disposed of as appropriate.

6. Removed tree portions marked "WDFW" relating to Provision #5 shall be securely stockpiled and left intact within a road accessible County-owned site for up to three (3) years for use as stream habitat trees in WDFW-approved projects. Liquidation of stored habitat trees shall be at WDFW’s discretion for three years beyond the month/year marked.

7. A hydraulic excavator may enter and operate within the wetted perimeter of the stream for the
purposes of constructing the temporary containment dams/stream bypass. Travel within the ordinary high water mark shall be limited to the minimum necessary, and travel shall be by the most direct route which results in the least impact on stream bed, gravel bars and vegetation. The operator shall use the boom of the excavator to lift front of the machine onto the stream bank. Turning of tracked equipment within wetted stream gravels shall be avoided to the greatest extent possible. The hydraulic excavator shall be cleaned of accumulations of earth and petroleum products prior to entering the channel.

8. All equipment working within the ordinary high water marks shall be maintained in good working conditions such that petroleum products or other harmful chemicals are not leaked into the stream or its banks or bed.

9. Washing of concrete trucks, chutes, tools, etc. shall be done at a location where wash water will not be discharged to the stream or wetlands, directly or indirectly.

WORK AREA ISOLATION AND DE-WATERING OF WORK AREA
10. Temporary sediment barriers shall contain all work areas to prevent sediment and construction debris entering the ordinary high water area. Construction and maintenance of effective sediment barriers in the most waterward areas are required without exception.

11. Catchment devices shall be installed underneath the bridge span that prevent deleterious materials (such as paint) and bridge demolition debris from falling within the ordinary high water area.

12. All forms used for concrete shall be completely sealed to prevent the possibility of fresh concrete from getting into the stream.

13. Temporary erosion control methods shall be used to prevent silt-laden water from entering the stream and be constructed of clean materials. These may include, but are not limited to, straw bales, filter fabric, temporary sediment ponds, check dams of pea gravel-filled burlap bags, straw bales, precast ecology blocks, plastic sheeting, washed gravels, or other materials, and/or immediate mulching of exposed areas.

14. Entire perimeters of all sediment barriers shall be inspected at least once weekly and within 24 hours following any storm event with more than 13mm cumulative rainfall. Repairs/restoration of failed barriers shall be completed within 24 hours.

15. Sediments accumulated at sediment barriers on surfaces sloping directly into the ordinary high water area shall be removed and disposed of in an approved upland site, rather than stabilized.

16. All waste material such as construction debris, silt, excess dirt or overburden resulting from this project shall be deposited above the limits of flood water in an approved upland disposal site.

17. If high flow conditions that may cause excessive siltation are encountered during this project, work shall stop until the flow subsides.
18. Earthen surfaces of the road prism shall be made smooth to minimize collection of precipitation and encourage sheet runoff flow.

19. Stream bank re-sloping shall be accomplished in a manner that avoids release of sediment into the ordinary high water area. A catchment device shall be used to catch and collect falling materials if the above method is insufficient.

20. Fish trapped inside of the work area shall be captured and released unharmed downstream of the project. (Applicant may request assistance from the Department for this task. Assistance will be provided if the Department has manpower available.)

21. During initial de-wathering of the work area, turbid water shall be pumped to an upland area to allow fines to settle out before the water re-enters the stream. Subsequent pumping to remove water infiltrating through the containment dams and stream gravels may be discharged directly to the stream provided that: a) a perforated sump chamber is installed away from the main work area to intercept the inflow, b) waste water containing raw concrete or other harmful materials is not reaching the sump chamber, c) water being pumped from the sump is clear (no suspended solids or turbidity), and d) state water quality standards are achieved. Lines discharging water to the stream shall be equipped with a diffusing device which shall prevent the scouring and dislodging of fine sediments from the stream bank or bed and their transport downstream.

Cofferdam
22. Upon completion of a cofferdam, work inside the cofferdam shall be without interruption until the cofferdam is breached and removed from the river.

23. Material removed from inside the cofferdam shall be disposed of outside the active flood plain of the stream.

24. The cofferdam shall be completely sealed to prevent concrete or other deleterious products from leaching into the stream.

25. During the seal pour of concrete into the pile enclosure, the water level inside the enclosure shall be held to at least six inches below the water level outside the enclosure.

26. Cofferdam removal shall be conducted with the minimal amount of river bed disturbance. Any stream bed voids larger than 8 cubic feet that were caused by sheet pile or piling removal, shall be filled with large rip rap rock (minimum of 6") and capped to natural grade with round river cobble (2" to 6").

Bank Protection
27. Placement of bank protection material waterward of the ordinary high water line shall be restricted to the minimum amount necessary to protect the toe of the bank or for installation of mitigation features approved by the Washington Department of Fish and Wildlife.
28. The toe shall be installed to protect the integrity of bank protection material.

29. Bank sloping shall be accomplished in a manner that avoids release of overburden material into the water. Overburden material resulting from the project shall be deposited so it will not re-enter the water.

30. Geotextile cloth or filter blanket material shall be placed prior to placement of bank protection material.

31. Bank protection material shall be clean, angular rock, and shall be installed to withstand 100-year peak flows. Round cobbles (D50 = approx. 2" to 6") shall be placed between the angular rock below the OHWL to fill the interstices. This material may be mined from gravel bars in isolation from flowing water, provided any created pits or furrows are smoothed over each day.

32. Bank protection and filter blanket material shall be placed from the bank or a barge. Dumping onto the bank face shall be permitted only if the toe is established and the material can be confined to the bank face.

33. Bank protection material shall not constrict the flow and cause any appreciable increase (not to exceed 0.2 feet) in backwater elevation (calculated at the 100-year flood) or channel-wide scour, and shall be aligned to cause the least effect on the hydraulics of the stream.

34. Bank protection material shall be placed in a manner to avoid damage to existing vegetation.

Bridge
35. The bridge shall be constructed to pass the 100-year peak flow with consideration of debris likely to be encountered.

36. Abutments, piers, pilings, sills, approach fills, etc., shall not constrict the flow and cause any appreciable increase (not to exceed 0.2 feet) in backwater elevation (calculated at the 100-year flood) or channel-wide scour, and shall be aligned to cause the least effect on the hydraulics of the stream.

37. Riprap materials used for structure protection shall be clean, angular rock, which shall be installed to withstand the 100-year peak flow.

38. Structures containing concrete shall be sufficiently cured prior to contact with water to avoid leaching. Fresh concrete shall not be allowed to come into contact with state waters.

39. Where aggregate or earth type material is used for paving or accumulates on the bridge, curbs, or wheel guards shall be installed and maintained to prevent the loss of this material into the stream.
Temporary Structures
40. Work shall be allowed continuously on the temporary structures as long as the work is above the surface of the water.

41. Removal of temporary structures shall be accomplished so the structure and associated material does not enter the stream.

42. The temporary bridge deck shall be cleaned of aggregate, earth materials, or any deleterious materials prior to bridge removal. This material shall be disposed of so it will not enter the stream.

43. Removal shall be accomplished by mechanical means. This Hydraulic Project Approval does not authorize blasting.

Piling
44. All piling, lumber, and other materials treated with preservatives shall be sufficiently cured to minimize leaching into the water or bed.

45. Temporary piling and false work structures shall be aligned to allow continued juvenile and adult fish passage through the project area. The contractor shall make every effort to align a majority of piling with existing bridge piers and expected cofferdams.

46. All treated wood piling and lumber to be used for the project shall meet or exceed the standards established in "Best Management Practices For the Use of Treated Wood in Aquatic Environments" developed by the Western Wood Preservers Institute, revised July 1996.

47. River bed area depressions created during project activities shall be reshaped to pre-project riverbed level upon project completion.

48. All temporary piling shall be removed by project completion.

49. Removal of piling shall only occur during the in-water work window noted in provision 1.

50. Piling removal shall be conducted with the minimal amount of river bed disturbance. If individual piles are not completely removed, they shall be cut off at or below the natural stream bed elevation. Any stream bed voids larger than 8 cubic feet that were caused by piling removal, shall be filled with large rip rap rock (minimum of 6") and capped to natural grade with round cobbles (D50 = approx. 2" to 6"). This material may be mined from gravel bars in isolation from flowing water, provided any created pits or furrows are smoothed over each day.

Dredging or In-river Excavation
51. Material that originates waterward of the ordinary high water line shall not be utilized for backfill below the OHWL, except that meeting criteria for filling riprap voids in provisions 32 and 53.

52. Excavated or dredged material shall not be stockpiled waterward of the ordinary high water line.
53. All trenches, depressions, or holes created within the ordinary high water line shall be backfilled prior to inundation by high water or wave action.

54. Dredging or excavation shall be conducted with a backhoe, dragline or a clamshell. The backhoe, dragline or clamshell shall be operated to minimize turbidity. During excavation, each pass with the bucket shall be complete. Dredged or excavated material shall not be stockpiled waterward of the ordinary high water line.

55. Upon completion of the dredging, or excavation the streambed shall contain no pits, potholes, or large depressions to avoid stranding of fish.

56. Dredging and excavation shall be accomplished by starting at the upstream end of the project boundary and working downstream.

Drilling
57. Drilling equipment shall be well-maintained and in good repair to prevent the loss of lubricants, grease, and any other deleterious materials from entering the stream.

58. Drill spoils and cuttings shall not be released to the stream.

59. Drill cuttings shall be deposited in a location where they will not re-enter the stream either directly or due to erosion.

60. The drill string shall operate within a temporary pipe casing, unless operations are conducted within a completed cofferdam.

61. All containers storing fuel or other deleterious substances shall be secured during drilling operations to prevent incidental spills.

62. Extreme care shall be exercised to minimize the loss of fine sediment into the stream during drilling and soil sampling efforts.

63. Wastewater from the drilling process shall not be allowed to directly enter or leach into the stream.

64. Restoration shall occur before project completion and before expiration of this permit.

OTHER ACTIVITIES
65. Equipment used for this project shall be free of external petroleum-based products while working around the stream. Accumulation of soils or debris shall be removed from the drive mechanisms (wheels, tires, tracks, etc.) and undercarriage of equipment prior to its working below the ordinary high water line. Equipment shall be checked daily for leaks and any necessary repairs shall be completed prior to commencing work activities along the stream.
66. Road and bridge drainage during construction shall be collected and detained for infiltration at least 50 feet landward of the ordinary high water mark and as otherwise specified in the hydraulics project application.

67. Alteration or disturbance of the bank and bank vegetation shall be limited to that necessary to construct the project. Within one year of project completion, the banks, including rip-rapped areas, shall be revegetated with native or other approved woody species. Vegetative cuttings shall be planted at a maximum interval of three feet (on center) and maintained as necessary for three years to ensure survival.

68. Every effort shall be taken during all phases of this project to ensure that sediment-laden water is not allowed to enter the stream.

69. All containers storing fuel, cleaners, petroleum products, concrete finishing material, or other deleterious substances on any barge, work platform, scaffolding, or work trestle shall be secured during use or project activities to prevent incidental spills.

70. Downed trees shall be moved with their forward ends suspended, or completely suspended, to minimize stream bed and bank disturbances.

71. Throughout the project, and within 7 days, all exposed slopes or grubbed areas within 200 feet of the Naches River shall be covered with natural fiber mesh, or six (6) inches of straw, or shall be hydro-seeded, or shall be re-vegetated with natural vegetation.

72. If at any time, as a result of project activities, fish are observed in distress, a fish kill occurs, or water quality problems develop (including equipment leaks or spills), operations shall cease and the Washington Department of Fish and Wildlife at 360 902-2537 and Washington Department of Ecology at 509 456-2926 shall be contacted immediately. Work shall not resume until further approval is given by the Washington Department of Fish and Wildlife.

### PROJECT LOCATIONS

**Location #1 Nelson Dam/ Cowiche Creek**

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<td>W 120.58639</td>
<td>Yakima</td>
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Location #1 Driving Directions
NOTES

APPLY TO ALL HYDRAULIC PROJECT APPROVALS

This Hydraulic Project Approval pertains only to those requirements of the Washington State Hydraulic Code, specifically Chapter 77.55 RCW (formerly RCW 77.20). Additional authorization from other public agencies may be necessary for this project. The person(s) to whom this Hydraulic Project Approval is issued is responsible for applying for and obtaining any additional authorization from other public agencies (local, state and/or federal) that may be necessary for this project.

This Hydraulic Project Approval shall be available on the job site at all times and all its provisions followed by the person(s) to whom this Hydraulic Project Approval is issued and operator(s) performing the work.

This Hydraulic Project Approval does not authorize trespass.

The person(s) to whom this Hydraulic Project Approval is issued and operator(s) performing the work may be held liable for any loss or damage to fish life or fish habitat that results from failure to comply with the provisions of this Hydraulic Project Approval.

Failure to comply with the provisions of this Hydraulic Project Approval could result in a civil penalty of up to one hundred dollars per day and/or a gross misdemeanor charge, possibly punishable by fine and/or imprisonment.

All Hydraulic Project Approvals issued pursuant to RCW 77.55.021 (EXCEPT agricultural irrigation, stock watering or bank stabilization projects) or 77.55.141 are subject to additional restrictions, conditions or revocation if the Department of Fish and Wildlife determines that new biological or physical information indicates the need for such action. The person(s) to whom this Hydraulic Project Approval is issued has the right pursuant to Chapter 34.04 RCW to appeal such decisions. All agricultural irrigation, stock watering or bank stabilization Hydraulic Project Approvals issued pursuant to RCW 77.55.021 may be modified by the Department of Fish and Wildlife due to changed conditions after consultation with the person(s) to whom this Hydraulic Project Approval is issued: PROVIDED HOWEVER, that such modifications shall be subject to appeal to the Hydraulic Appeals Board established in RCW 77.55.301.

APPEALS INFORMATION

If you wish to appeal the issuance or denial of, or conditions provided in a Hydraulic Project Approval, there are informal and formal appeal processes available.

A. INFORMAL APPEALS (WAC 220-110-340) OF DEPARTMENT ACTIONS TAKEN PURSUANT TO RCW 77.55.021, 77.55.141, 77.55.181, and 77.55.291: A person who is aggrieved or adversely affected by the following Department actions may request an informal review of:
   (A) The denial or issuance of a Hydraulic Project Approval, or the conditions or provisions made part of a Hydraulic Project Approval; or
   (B) An order imposing civil penalties. A request for an INFORMAL REVIEW shall be in WRITING to the Department of Fish and Wildlife HPA Appeals Coordinator, 600 Capitol Way North, Olympia, Washington 98501-1091 and shall be RECEIVED by the Department within 30 days of the denial or issuance of a Hydraulic Project Approval or receipt of an order imposing civil penalties. If agreed to by the aggrieved party, and the aggrieved party is the Hydraulic Project Approval applicant, resolution of the concerns will be facilitated through discussions with the Area Habitat Biologist and his/her supervisor. If resolution is not reached, or the aggrieved party is not the Hydraulic Project Approval applicant, the Habitat Technical Services Division Manager or his/her designee shall conduct a review and recommend a decision to the Director or his/her designee. If you are not satisfied with the results of this informal appeal, a formal appeal may be filed.
B. FORMAL APPEALS (WAC 220-110-350) OF DEPARTMENT ACTIONS TAKEN PURSUANT TO RCW 77.55.021 (EXCEPT agricultural irrigation, stock watering or bank stabilization projects) or 77.55.291:
A person who is aggrieved or adversely affected by the following Department actions may request a formal review of:
(A) The denial or issuance of a Hydraulic Project Approval, or the conditions or provisions made part of a Hydraulic Project Approval;
(B) An order imposing civil penalties; or
(C) Any other 'agency action' for which an adjudicative proceeding is required under the Administrative Procedure Act, Chapter 34.05 RCW.
A request for a FORMAL APPEAL shall be in WRITING to the Department of Fish and Wildlife HPA Appeals Coordinator, shall be plainly labeled as 'REQUEST FOR FORMAL APPEAL' and shall be RECEIVED DURING OFFICE HOURS by the Department at 600 Capitol Way North, Olympia, Washington 98501-1091, within 30-days of the Department action that is being challenged. The time period for requesting a formal appeal is suspended during consideration of a timely informal appeal. If there has been an informal appeal, the deadline for requesting a formal appeal shall be within 30-days of the date of the Department's written decision in response to the informal appeal.

C. FORMAL APPEALS OF DEPARTMENT ACTIONS TAKEN PURSUANT TO RCW 77.55.021 (agricultural irrigation, stock watering or bank stabilization only), 77.55.141, 77.55.181, or 77.55.241: A person who is aggrieved or adversely affected by the denial or issuance of a Hydraulic Project Approval, or the conditions or provisions made part of a Hydraulic Project Approval may request a formal appeal. The request for FORMAL APPEAL shall be in WRITING to the Hydraulic Appeals Board per WAC 259-04 at Environmental Hearings Office, 4224 Sixth Avenue SE, Building Two - Rowe Six, Lacey, Washington 98504; telephone 360/459-6327.

D. FORMAL APPEALS OF DEPARTMENT ACTIONS TAKEN PURSUANT TO CHAPTER 43.21L RCW: A person who is aggrieved or adversely affected by the denial or issuance of a Hydraulic Project Approval, or the conditions or provisions made part of a Hydraulic Project Approval may request a formal appeal. The FORMAL APPEAL shall be in accordance with the provisions of Chapter 43.21L RCW and Chapter 199-08 WAC. The request for FORMAL APPEAL shall be in WRITING to the Environmental and Land Use Hearings Board at Environmental Hearings Office, Environmental and Land Use Hearings Board, 4224 Sixth Avenue SE, Building Two - Rowe Six, P.O. Box 40903, Lacey, Washington 98504; telephone 360/459-6327.

E. FAILURE TO APPEAL WITHIN THE REQUIRED TIME PERIODS results in forfeiture of all appeal rights. If there is no timely request for an appeal, the department action shall be final and unappealable.

ENFORCEMENT: Sergeant Grant (22) P1

<table>
<thead>
<tr>
<th>Habitat Biologist</th>
<th>Eric Bartrand</th>
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<tbody>
<tr>
<td>Eric Bartrand</td>
<td>509-457-9310</td>
</tr>
</tbody>
</table>

for Director

WDFW

CC: Dean Patterson, Yakima County Planning
    Cathy Reed, WDOE
    Dale Bambrick, NMFS
    Dave Lind, Yakama Nation Fisheries
    Scott Willey, Bureau of Reclamation
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.

J. The existing bridge and W. Powerhouse Road shall remain open until at least July 1, 2007.

(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
# SUMMARY OF QUANTITIES

<table>
<thead>
<tr>
<th>Description</th>
<th>Unit</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>PREPARATION</td>
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<tr>
<td>Excavation</td>
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</tr>
<tr>
<td>Grading</td>
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<tr>
<td>Placement</td>
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<tr>
<td>Filling</td>
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<tr>
<td>DRAINAGE</td>
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<tr>
<td>Culverts</td>
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<tr>
<td>Storm Sewer</td>
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<tr>
<td>BRIDGE</td>
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<td>Foundation</td>
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<tr>
<td>Piers</td>
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<td>Parapets</td>
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<td>Railings</td>
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<td>Railings</td>
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<tr>
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<tr>
<td>Pavement</td>
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<tr>
<td>CEMENT CONCRETE PAVING</td>
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<tr>
<td>Structure</td>
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<tr>
<td>Other</td>
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<td></td>
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<tr>
<td>OTHER ITEMS</td>
<td></td>
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</tr>
</tbody>
</table>

**Note:** The table above is a summary of quantities for various construction elements and materials. It includes information on excavation, grading, placement, filling, and various components of a bridge, as well as traffic-related items and other miscellaneous elements. The units and quantities are specified in the table, providing a comprehensive overview of the construction project.