The Confederated Tribes of the Chehalis Reservation is requesting proposals from qualified parties to provide engineering services to repair an approximate 1,200 foot section of Howanut Road that has been damaged by Nutria. Nutria are a semi-aquatic rodent that live in and along waterways. They burrow in the banks of creeks and rivers creating complex tunnels that can be 150 feet in length.

The project is located in Grays Harbor County within the boundaries of the Chehalis Reservation. The road is owned by the Chehalis Tribe. Howanut Road was constructed in 1972. The Tribe has done minor repairs on two sections of Howanut Road where holes in the asphalt were discovered to be caused by a Nutria tunnel. This section of Howanut Road is adjacent to Willamette Creek, which is a tributary of the Chehalis River.

The Tribe is looking for a permanent fix to this section of roadway to prevent further tunneling under the road from Nutria. Engineering services requested in this RFP will assist the Tribe with making the repairs to any currently unknown tunnels that may exist and preventing future tunnels.
Tasks

A. Work with the Chehalis Tribe Planning Department to identify 1) full scope of repairs needed on the approximate 1,200 ft section of roadway that has been damaged by Nutria tunnels; and 2) best solution to prevent further Nutria tunnelling along this stretch of roadway. Once solutions to these two items are selected, we need a full set of construction plans and documents completed to move the project to construction.

B. Base map – Prepare design base map of existing conditions such as, but not limited to, rights-of-way, easements, utilities, signage, pavement markings, floodplain, wetlands, etc. Chehalis Tribe Department of Natural Resources can provide the Consultant with aerial photos, county parcel information and GIS layer of major surveys in the project area.

C. Design Plans – The design plans shall be in conformance with WSDOT Standard Specifications for Roads, Bridges, and Municipal Construction, latest edition, and shall include an area map, plan and profile drawings, cross sections, construction details, staged construction plan, and any other drawings necessary to adequately provide for the acquisition of permits and construction of the improvements. Plans must meet the Bureau of Indian Affair’s Road Plans Checklist (see attached) as per the Northwest Regional Office, Division of Transportation Business Plan. Design plans shall be submitted for review and comment by the Chehalis Tribe at 60%, 90% and 100% levels of completion. The Consultant shall calculate unit bid quantities and provide those quantities in spreadsheet tabular formatting along with a final engineer’s estimate of probable construction costs.

Selection

Submittals must be no more than 10 pages. Submittals will be scored as follows:

1) Professional Qualifications – Qualifications of the firm and staff to complete the work. Discussion of professional licensure, academic work, professional experience, and professional affiliation relative to this project. (10 points).

2) Specialized Experience – Specialized experience and demonstrated technical competence in the development of similar design work. (15 points)

3) Capacity to Accomplish Work – Firm’s capacity to complete the project in a timely period. Provide an anticipated date of complete plan set. (10 points)

4) Past Performance – Past performance on similar contracts with Government and/or Tribal agencies in terms of cost control, quality of work, and compliance with performance schedules. Past performance documentation should include a list of at least three (3) comparable projects including project contact, project description, cost and duration of the project (15 points).

5) Geographic Proximity & Project Familiarity – Location of offices and staff to the Chehalis Indian Reservation to increase service delivery efficiency and availability during the project. Please detail familiarity with the project area and/or project stakeholders. (5 points)
6) **Indian Preference** - Preference will be given to qualified applicants who are members of federally recognized Indian tribes. To be considered for Indian Preference, you must submit proof of enrollment in a federally recognized Indian tribe. *(5 points)*

7) **Cost Proposal** – Service costs are reasonable. Bid amount will be scored on a sliding scale based on rank of individual bidders and range of variation in bid amounts. All proposals will also be reviewed for the level of detail provided in their cost break down. *(40 points)*

**General Information**

Proposals must be received by August 16, 2023 at 2:00 pm. Proposals may be hand delivered or emailed as follows:

Hand Deliver to: Chehalis Tribe Planning Department 6 Niederman Rd, Oakville, WA 98536

Email to: bryan.sanders@chehalistribe.org

Questions may be directed to Bryan Sanders using the above email address. ALL QUESTIONS MUST BE EMAILED ONLY. NO PHONE QUESTIONS WILL BE ANSWERED.

Proposals received after the date and time stated above will not be accepted. The Chehalis Tribe reserves the right to waive irregularities and to reject any and all proposals.

The successful CMS firm will be required to obtain a Chehalis Tribe Business license ($50 fee or $20 for Native firms) prior to beginning work.
# ROAD PLANS CHECKLIST

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Project No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Checked By</td>
<td>Date</td>
</tr>
<tr>
<td>Rechecked By</td>
<td>Date</td>
</tr>
</tbody>
</table>

## I. TITLE SHEET

1. Project No. and Name
2. Project Length
3. Nature of work
4. Reservation
5. Sheet number and description
6. Index to sheets
7. Key map of State
   a. Define Reservation location
   b. Indicate location with heavy arrow
   c. Shipping points
8. Vicinity Map
   a. Termini of Project
   b. Surfacing sources
   c. Scale of kilometers
   d. Heavy in project location
   e. North Arrow
   f. Township and Range
9. Design Data
   a. Speed
   b. ADT
   c. ADT+ 20
   d. % Trucks
   e. Max. grade
   f. Min. radius
   g. Min. stop sight distance
10. Road Classification
11. Signature Block
12. PE stamp
13. Other

## II. TYPICAL SECTION AND QUANTITY SHEET

1. Typical roadway section
   a. Geometric Dimension
   b. Slopes and widening
   c. Crown and safety edge
   d. Dimension & thickness of Surfacing
   e. Placing & compaction of Surfacing
   f. Indicate profile grade
2. Detail of entrance roads
3. Typical ditch block
4. Typical slope treatment
5. Miscellaneous typical sections
   a. Fencing
   b. Intecciones
   c. Special drainage structures
   d. Channel changes
   e. Under drainage structures
   f. Culvert markers
   g. Gua rdrail
   h. Sn ow fence
6. Summary of quantities
7. Summary of drainage Structures
8. Typical superelavated section
   a. Point of rotation
   b. Amount of superelavation
   c. Construct ditch to facilitate drainage
   d. Transition and runoff to tangent
   e. Curve widening
9. Sheet number and description
10. General notes
   a. Line and grade adjustment
   b. Estimated culvert lengths
   c. Specifications statement
11. Other

## III. PLAN SHEET

1. Horizontal alignment
   a. Curve data
   b. Station begin and end of project
   c. Bearing
   d. Reference points
   e. Every fifth station numbered
   f. Right-of-way width
      (include widening)
Appendix 7B (2 of 2)

III. PLAN SHEET (continued)

2. Land corner ties
   a. Description of corner (computed or found) ___________
   b. Location line intersection ___________
   c. Indicate section number, Range and Township ___________
   d. Land division and ownership ___________
   e. Tie project termini ___________
   f. North Arrow ___________

3. Bench mark description ___________

4. Culvert description and location on plan ___________

5. Drainage direction arrows ___________

6. To geographic features
   a. Existing roads ___________
   b. Curbs ___________
   c. Existing fences ___________
   d. Buildings ___________
   e. Streams ___________
   f. Gas lines ___________
   g. Telephone poles ___________
   h. Telephone lines ___________
   i. Power poles ___________
   j. Power vaults ___________
   k. Water lines ___________
   l. Water valves ___________
   m. Sewer lines ___________
   n. Manholes ___________
   o. Other ___________

7. Sheet number and description ___________

8. P-line angle points ___________

9. Legend of plan symbols ___________

10. Soil boring locations ___________

11. Fence construction ___________

12. Other ___________

IV. PROFILE SHEET

1. Balance points and overhaul ___________

2. Profile grade
   a. Percent of grade ___________
   b. P.I.V.C. elevation and station ___________
   c. Max./min. elevation and station ___________
   d. Vertical curve length ___________
   e. Plot finish and/or subgrade (Define clearly) ___________

3. Elevation on edges of sheets ___________

4. Plot original ground line ___________

5. Define profile grade for each station along bottom ___________

6. Stations along bottom ___________

7. Culvert locations and invert elevations and locations ___________

8. Utility elevations pipe top ___________

9. Non-typical section curb or ditch lines ___________

10. Bridge exceptions ___________

11. Other ___________

V. TEMPORARY TRAFFIC CONTROL SHEET

1. Phase construction locations ___________

2. Detour locations ___________

3. Quantities
   a. Signs ___________
   b. Barrier types ___________
   c. Flagger hour ___________
   d. Pilot car ___________
   e. Cones ___________
   f. MUTCD reference numbers ___________

4. General notes
   a. Maximum lane closure time ___________
   b. Emergency access ___________
   c. Ceremonial exceptions ___________
   d. Night and shut down maintenance requirements ___________

VI. N.P.D.E.S.

1. Typical sections of BMP’s ___________

2. Specific plan locations ___________

3. Sheet no. same III. ___________

4. Quantities ___________

5. General notes
   a. Monitoring requirements ___________
   b. Maintenance requirements ___________

VII. Permanent Traffic Control Plan

1. Quantities Schedules
   a. Signs (w/MUTCD #’s) ___________
   b. Pavement Markers ___________
   c. Posts ___________
   d. Object Markers ___________
   e. Delineators ___________
   f. Rumble Stripes ___________

2. Pass/No Pass locations ___________

3. General notes
   a. Installation requirements ___________
   b. Standard plan references ___________