UPPER TOLKUL CREEK BRIDGE #271B
BRIDGE REPLACEMENT PROJECT

TEMPORARY ROADWAY SECTION (STA. 36+50)

TEMPORARY BRIDGE SECTION (STA. 35+50)

GENERAL NOTES
1. TEMPORARY ROADWAY ALIGNMENT AND PROFILE SHOWN PROVIDED FOR CONTRACTOR. TEMPORARY WALL, LAYOUT IS AT CONTRACTOR'S EXPENSE. CONTRACTOR MAY PROVIDE ALTERNATIVE FOR EXISTING TEMPORARY WALL AND BRIDGE DECK SHALL BE COMPLETED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
2. BARRIER SHALL BE PRE-CAST CONCRETE BARRIER TYPE 5 PER WSDOT STD PLAN D-50-10-01.
3. TEMPORARY ROADWAY SECTION SHALL BE 4" MAX CLASS 1/2 IN. PG 58-22 OVER 6" GRC.
4. SEE SHEETS 5-6 FOR EROSION CONTROL PLAN AND SPEC.
5. SEE SHEETS 10-11 FOR RESTORATION PLANS OF AREAS DISTURBED BY CONSTRUCTION OF THE NEW BRIDGE AND TEMPORARY ROADWAY.
6. SEE SHEETS 16-17 FOR PROPOSED ROADWAY PLAN AND PROFILE.

STAGING LEGEND
- TEMPORARY WALL
- TEMPORARY BRIDGE
- TEMPORARY BARRIER

SCALE IN FEET

HORIZONTAL
20 10 20 40

Know what's below.
Call before you dig.
GENERAL NOTES
1. Temporary roadway alignment and profile shown provided for contractor. Temporary wall layout is for contractor's reference. Contractor may propose alternative for Engineer's review. Temporary wall and bridge design shall be consulted to the Engineer for approval prior to installation.

2. See Sheet #4 for diversion roadway and bridge plan and sections.

STAGING LEGEND
- Temporary fill
EROSION CONTROL NOTES

1. CONSTRUCTION SCHEDULE TO BE APPROVED:
   A. APPROVED POST-CONSTRUCTION MEETING
   B. FLAG OR FENCE LEAVING LIMIT
   C. POSTING OF ORAL OR WRITTEN NUMBER OF TESC SUPERVISION
   D. INSTALL CONTINUOUS PROTECTION IF REQUIRED
   E. INSTALL PERMITS/PROTECTION, SOD, FENCE, BRUSH HARRIES, ETC.
   F. MAINTAIN TESC MEASURES IN ACCORDANCE WITH KING COUNTY 2016
      SURFACE WATER DESIGN MANUAL AND MANUFACTURER'S
      RECOMMENDATIONS
   G. RELOCATE TESC MEASURES OR INSTALL NEW MEASURES SO THAT AS
      SITE CONDITIONS CHANCE, THE TESC IS ALWAYS IN ACCORDANCE WITH
      ORIOSE TESC MINIMUM REQUIREMENTS
   H. STORE ALL TESC THAT REQUIRE FINAL GRACE WITHIN 7 DAYS
   I. SEED ON OR TIE SEEDS UNTIL WARNING FOR MORE THAN 30
      DAYS
   J. UPON COMPLETION OF THE PROJECT, ALL UPROORED AREAS MUST BE
      STABILIZED AND SHETING MANAGEMENT PRACTICES REMOVED IF
      APPROPRIATE

2. THE LOCATION AND USE OF TESC BAILS IS FOR REFERENCE ONLY. THE
   DESIGNATION OF THE TESC PLAN AND THE CONSTRUCTION, MAINTENANCE,
   REPLACED, AND UPGRADES OR TESC FACILITIES IS THE
   RESPONSIBILITY OF THE PERMIT/CONTRACTOR UNTIL CONSTRUCTION
   IS APPROVED

3. THE TESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO
   OR CONCURRENT WITH ALL CLEARING AND CAPITAL WORK OR SUCH A
   MANNER AS TO ENSURE THAT SEWAGE-INDUCED WATER DOES NOT ENTER
   TURBIDITY CURTAIN OR SUITABLE APPLICABLE WATER STANDARDS. WHEREVER
   POSSIBLE, MAINTAIN MATERIAL CONDITION FOR SHETING CONTROL

4. THE TESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS
   FOR APPLIABLE SITE CONDITIONS DURING THE CONSTRUCTION PERIOD.
   THESE TESC FACILITIES SHALL BE UPGRADED, FOR EXAMPLE, ADDITIONAL
   TESC MEASURES, INSTALLATION OF BARRIERS AND BầF FENCES, ETC. AS
   NEEDED FOR UPRONGED STORM EVENTS. ADDITIONALLY, MORE TESC FACILITIES
   MAY BE REQUIRED TO ENSURE COMPLETE EROSION CONTROL DURING
   CONSTRUCTION IS SHOWN ON THE EXHIBIT. THESE TESC FACILITIES
   SHALL BE MEASURED AND MAINTAINED AS REQUIRED BY THE DESPERATIONS
   THAT MAY BE CREATED OR ACTIVITIES AND TO PROVIDE ADDITIONAL
   FACILITIES OVER AND ABOVE THE MINIMUM REQUIREMENTS AS MAY BE
   NEEDED

5. THE TESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS
   FOR APPLIABLE SITE CONDITIONS DURING THE CONSTRUCTION PERIOD.
   THESE TESC FACILITIES SHALL BE UPGRADED, FOR EXAMPLE, ADDITIONAL
   TESC MEASURES, INSTALLATION OF BARRIERS AND B'bF FENCES, ETC. AS
   NEEDED FOR UPRONGED STORM EVENTS. ADDITIONALLY, MORE TESC FACILITIES
   MAY BE REQUIRED TO ENSURE COMPLETE EROSION CONTROL DURING
   CONSTRUCTION IS SHOWN ON THE EXHIBIT. THESE TESC FACILITIES
   SHALL BE MEASURED AND MAINTAINED AS REQUIRED BY THE DESPERATIONS
   THAT MAY BE CREATED OR ACTIVITIES AND TO PROVIDE ADDITIONAL
   FACILITIES OVER AND ABOVE THE MINIMUM REQUIREMENTS AS MAY BE
   NEEDED

6. THE TESC FACILITIES ON LAWNING SITES TO BE UPGRADED AND MAINTAINED
   A MINIMUM OF ONCE A MONTH OR WITHIN 48 HOURS FOLLOWING A STORM
   EVENT

7. ALL ERODED SOILS MUST BE STABILIZED WITH AN APPROVED TESC METHOD,
   FOR EXAMPLE, SEEDING, WOOLING, PLASTIC COVERING, CRUSHED ROCK
   THE FOLLOWING SCHEDULE:
   • MAY 1 TO SEPTEMBER 30 - SOILS MUST BE STABILIZED WITHIN 7 DAYS
   OF CLEARING
   • SEPTEMBER 30 TO APRIL 30 - SOILS MUST BE STABILIZED WITHIN 5 DAYS
   OF CLEARING
   • STABILIZED AT THE END OF THE WORKDAY PRIOR TO A WEEKEND,
   HOLIDAY, OR PREDICTED IMMEDIATE

8. A COPY OF THE TESC PLANS MUST BE ON THE JOB SITE WHEREVER
   CONSTRUCTION IS IN PROGRESS

9. IF ANY PARTIES OF THE CLEANCING LIMIT/BOUNDARY OR TESC FACILITIES
   ARE DAMAGED, IT IS TO BE REPAIRED IMMEDIATELY

10. ALL PROPERTIES ADJACENT TO THE PROJECT SITE TO BE PROTECTED FROM
    SEDIMENT DEPOSITION AND RUNOFF

SEC. 17, T.24 N., R.08 E., W.M.
UPPER TOKUL CREEK BRIDGE #271B
BRIDGE REPLACEMENT PROJECT
EROSION CONTROL DETAILS AND NOTES
320-90 (EC02)
KING COUNTY DEPT. OF LOCAL SERVICES
UPPER TOKUL CREEK BRIDGE #271B
BRIDGE Replacement PROJECT
400-90 (EC02)
SIGNING PLAN

UPPER TOKUL CREEK BRIDGE #271B
BRIDGE REPLACEMENT PROJECT

KING COUNTY DEPT. OF LOCAL SERVICES

SIGN SCHEDULE

<table>
<thead>
<tr>
<th>SIGN NO.</th>
<th>SIGN NO. DESIGNATION</th>
<th>SIGN DESCRIPTION</th>
<th>STATION</th>
<th>OFFSET</th>
<th>SIGN WIDTH</th>
<th>SIGN HEIGHT</th>
<th>HORIZONTAL CLEARANCE</th>
<th>POST TYPE</th>
<th>REMARKS</th>
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</thead>
<tbody>
<tr>
<td>S1</td>
<td>W-1-8</td>
<td>MILL BLOCKS-HEAD</td>
<td>9440</td>
<td>0'-0&quot;</td>
<td>8'-0&quot; X 12&quot;</td>
<td>12'-0&quot; X 0&quot;</td>
<td>2'-0&quot; X 0&quot;</td>
<td>HORIZONTAL</td>
<td>REFER TO DESIGNER NOTE</td>
</tr>
<tr>
<td>S2</td>
<td>W-1-12</td>
<td></td>
<td>9440</td>
<td>0'-0&quot;</td>
<td>8'-0&quot; X 12&quot;</td>
<td>12'-0&quot; X 0&quot;</td>
<td>2'-0&quot; X 0&quot;</td>
<td>HORIZONTAL</td>
<td>REFER TO DESIGNER NOTE</td>
</tr>
<tr>
<td>S3</td>
<td>EL</td>
<td>HEIGHT LIMIT</td>
<td>4425</td>
<td>0'-0&quot;</td>
<td>12'-0&quot; X 3'-0&quot;</td>
<td>3'-0&quot; X 0&quot;</td>
<td>0'-0&quot; X 0&quot;</td>
<td>HORIZONTAL</td>
<td>WOOD NO. SIGNS</td>
</tr>
<tr>
<td>S4</td>
<td>EL</td>
<td>CLEARED (NO)</td>
<td>4425</td>
<td>0'-0&quot;</td>
<td>12'-0&quot; X 3'-0&quot;</td>
<td>3'-0&quot; X 0&quot;</td>
<td>0'-0&quot; X 0&quot;</td>
<td>HORIZONTAL</td>
<td>WOOD REMOVE FROM BOTH SIDES OF BRIDGE</td>
</tr>
<tr>
<td>S5</td>
<td>EL</td>
<td>CLEARED (NO)</td>
<td>8547</td>
<td>0'-0&quot;</td>
<td>12'-0&quot; X 3'-0&quot;</td>
<td>3'-0&quot; X 0&quot;</td>
<td>0'-0&quot; X 0&quot;</td>
<td>HORIZONTAL</td>
<td>WOOD REMOVE FROM BOTH SIDES OF BRIDGE</td>
</tr>
<tr>
<td>S6</td>
<td>EL</td>
<td>HEIGHT LIMIT</td>
<td>64-12</td>
<td>0'-0&quot;</td>
<td>12'-0&quot; X 3'-0&quot;</td>
<td>3'-0&quot; X 0&quot;</td>
<td>0'-0&quot; X 0&quot;</td>
<td>HORIZONTAL</td>
<td>WOOD NO. SIGNS</td>
</tr>
</tbody>
</table>

GENERAL NOTES
1. SEE SHEETS OUT FOR ROADWAY PLAN AND PROFILE.
2. FOR SIGNS AND SIGN SUPPORT DETAILS, SEE MOST STANDARD PLANS, SECTION G.
3. SIGN CLEARANCE AROUND SIGN TO INTERCEPT GRADING AT MINIMUM STANDARD ELEVATION SHALL BE 2'-0" CLEARANCE PROVIDED IN SIGN SCHEDULES ARE FROM BOTTOM OF SIGN TO KNOBBED DIAMOND AT SIGN LOCATION. SIGNS AND SIGNS SUPPORT ARE TO BE DETERMINED BY THE CONTRACTOR.
4. SIGNS SHALL BE MOUNTED ON NEW 7'-0" GALVANIZED STEEL POSTS AND INSTALLED PER MOUNT SYSTEM CHART/NOTE. CONTRACTOR SHALL INSTALL SIGN MOUNTINGS PER MOST STANDARD PLANS. ADDITIONAL SIGNS, SEE OTHERWISE NOTED.
5. INSTALL AND MAINTAIN ALL SIGNS NOT NOTED ON PLANS.
CONSTRUCTION NOTES

1. Amend roadway embankment with 4" soil amendment incorporated to a 10" depth per Sheet J004, detail 1.
2. Amend roadway embankment with a 4" soil amendment incorporated to a 24" depth per Sheet J004, detail 1.

GENERAL NOTES

1. See plant schedule and planting details, Sheet J002.
2. See bank stabilization details, see Sheet J002.
3. See site preparation plan for existing bridge footing removal.

PA-1 PLANTING AREA

LEGEND

100 YEAR FLOOD BOUNDARY
ORDINARY HIGH WATER MARK (O.H.W.M.)
STREAM CENTERLINE
CLEANING AND GRADING BOUNDARY
TIE
GUARDRAIL
DISTRICT CENTERLINE
EXISTING DENDROUS TREE
EXISTING EVERGREEN TREE

Scale in Feet

20 30 40

Known what’s below.
Call before you dig.
**PLANT SCHEDULE**

<table>
<thead>
<tr>
<th>Bota. Name</th>
<th>Common Name</th>
<th>Qtys</th>
<th>Conds</th>
<th>Size (Ht. Min)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAJUS ROUGA</td>
<td>Western Chokechuck</td>
<td>2</td>
<td>6</td>
<td>16</td>
<td>4' D.C.</td>
</tr>
<tr>
<td>CHAMAECYPHIS DOUGLAS</td>
<td>Black Heather</td>
<td>2</td>
<td>6</td>
<td>13</td>
<td>4' D.C.</td>
</tr>
<tr>
<td>PSEUODOTRUGA MOLNRI</td>
<td>Western Red Cedar</td>
<td>2</td>
<td>6</td>
<td>13</td>
<td>4' D.C.</td>
</tr>
<tr>
<td>AERO CIRCINATUM</td>
<td>Vine Maple</td>
<td>1</td>
<td>18</td>
<td>105</td>
<td>4' D.C.</td>
</tr>
<tr>
<td>HELIODORUS DISCOLOR</td>
<td>Ocean Spray</td>
<td>1</td>
<td>18</td>
<td>82</td>
<td>4' D.C.</td>
</tr>
<tr>
<td>RUBUS PUNCTATUS</td>
<td>Salmonberry</td>
<td>1</td>
<td>12</td>
<td>78</td>
<td>4' D.C.</td>
</tr>
<tr>
<td>ROSA MENTHATA</td>
<td>Manti Rose</td>
<td>1</td>
<td>12</td>
<td>129</td>
<td>4' D.C.</td>
</tr>
<tr>
<td>CHAMAECYPHIS ACEROS</td>
<td>Snowberry</td>
<td>1</td>
<td>12</td>
<td>120</td>
<td>4' D.C.</td>
</tr>
<tr>
<td>RUBUS SANGUINEUS</td>
<td>Red Flowering Currant</td>
<td>1</td>
<td>12</td>
<td>81</td>
<td>4' D.C.</td>
</tr>
<tr>
<td>Lonicera involucrata</td>
<td>Black Thimble</td>
<td>1</td>
<td>18</td>
<td>79</td>
<td>4' D.C.</td>
</tr>
<tr>
<td>Salix sericea</td>
<td>Spra Willow</td>
<td>1</td>
<td>36</td>
<td>79</td>
<td>4' D.C.</td>
</tr>
<tr>
<td>PIVOTALIA MUNATA</td>
<td>Sword Fern</td>
<td>1</td>
<td>12</td>
<td>143</td>
<td>2' D.C.</td>
</tr>
<tr>
<td>UPLAND RUGSEED VIII</td>
<td>Sword Fern</td>
<td>1</td>
<td>12</td>
<td>143</td>
<td>2' D.C.</td>
</tr>
</tbody>
</table>

**PLANTING NOTES**

2. Set plant setback chart (sheet 8, detail 3) for tree and shrub species.
3. Adjust project existing tolerable vegetation per section.
4. Specified in section 4-3, 2 of the standard specifications any selected trees that don't adequately grow shall be removed if no applications except may occur during the next approved tree map. When receiving the next approved tree map. When receiving the next approved tree map. When receiving the next approved tree map. When receiving the next approved tree map.
5. All trees shall be staked with 3'-6' wood stakes driven to S.D. Tolerances and plant each at least 6' apart.
6. Permanent access roads and de-compact soils to an 18' depth in planting areas. Restore other temporary compacted soil. Complete work. Construction shall restore any compacted soils to standard. Planting area shall be restored with 5'-6' wood stakes driven to S.D. Tolerances and plant each at least 6' apart. Permanent access roads and de-compact soils to an 18' depth in planting areas. Restore other temporary compacted soil. Complete work. Construction shall restore any compacted soils to standard. Planting area shall be restored with 5'-6' wood stakes driven to S.D. Tolerances and plant each at least 6' apart.
7.Permanent access roads and de-compact soils to an 18' depth in planting areas. Restore other temporary compacted soil. Complete work. Construction shall restore any compacted soils to standard. Planting area shall be restored with 5'-6' wood stakes driven to S.D. Tolerances and plant each at least 6' apart. Permanent access roads and de-compact soils to an 18' depth in planting areas. Restore other temporary compacted soil. Complete work. Construction shall restore any compacted soils to standard. Planting area shall be restored with 5'-6' wood stakes driven to S.D. Tolerances and plant each at least 6' apart. Permanent access roads and de-compact soils to an 18' depth in planting areas. Restore other temporary compacted soil. Complete work. Construction shall restore any compacted soils to standard. Planting area shall be restored with 5'-6' wood stakes driven to S.D. Tolerances and plant each at least 6' apart. Permanent access roads and de-compact soils to an 18' depth in planting areas. Restore other temporary compacted soil. Complete work. Construction shall restore any compacted soils to standard. Planting area shall be restored with 5'-6' wood stakes driven to S.D. Tolerances and plant each at least 6' apart. Permanent access roads and de-compact soils to an 18' depth in planting areas. Restore other temporary compacted soil. Complete work. Construction shall restore any compacted soils to standard. Planting area shall be restored with 5'-6' wood stakes driven to S.D. Tolerances and plant each at least 6' apart.
8. Permanent access roads and de-compact soils to an 18' depth in planting areas. Restore other temporary compacted soil. Complete work. Construction shall restore any compacted soils to standard. Planting area shall be restored with 5'-6' wood stakes driven to S.D. Tolerances and plant each at least 6' apart.

**PLANTING AREA LAYOUT**

**PLANTING**

**PROJECT**

**KING COUNTY DEPT. OF LOCAL SERVICES**

**UPPER TOLKUL CREEK BRIDGE #271B**

**BRIDGE REPLACEMENT PROJECT**

**RESTORATION PLANS**

**METHOW**

**NPV B 88**

Know what's below. Call before you dig.
**Sensitive Area Soil Preparation Sequence of Work**

Not to scale

**Roadside Embankment Soil Preparation Sequence of Work**

Not to scale

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**Plant Material Setback Chart**

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**King County Dept. of Local Services**

**Upper Tokul Creek Bridge #271B**

**Bridge Replacement Project**

**Restoration Plans**

---

**Know what’s below. Call before you dig.**

---
PLAN VIEW

SECTION VIEW

TEMPORARY BRIDGE NOTES

1. The contractor shall design, furnish, erect, maintain, and remove the temporary bridge and approach walls in accordance with the special provisions and details shown in the plans.

2. See special provisions for temporary bridge design requirements.

3. Walls for temporary approach shall be geosynthetic walls in accordance with standard plan 5-309 or approved equal.
FOUNDATION PLAN

BEARING OF ABUTMENTS ARE NORMAL TO TOKUL RD CONSTRUCTION E
Call before you dig.

UPPER TOKUL CREEK BRIDGE #271B
BRIDGE REPLACEMENT PROJECT

TOP OF GROUT PAD ELEVATION

<table>
<thead>
<tr>
<th>ORDER</th>
<th>ABUT 1 ELEV</th>
<th>ABUT 2 ELEV</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>532.05</td>
<td>533.05</td>
</tr>
<tr>
<td>B</td>
<td>533.07</td>
<td>532.07</td>
</tr>
<tr>
<td>C</td>
<td>533.33</td>
<td>533.33</td>
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<tr>
<td>D</td>
<td>532.85</td>
<td>533.85</td>
</tr>
<tr>
<td>E</td>
<td>533.00</td>
<td>533.00</td>
</tr>
</tbody>
</table>
FRAMING PLAN

Bearings of piers are normal to TOLKUL RD. Construction E

Know what's below. Call before you dig.
UPPER TOKUL CREEK BRIDGE #271B
BRIDGE REPLACEMENT PROJECT

BRIDGE TYPICAL SECTION
SHOWN NEAR MIDSPAN

28'-0" ROADWAY

TOKUL RD. CONSTRUCTION

SHOULDER

4'-0"

10'-0"

SHOULDER

4'-0"

2%-0"

PROFILE GRADE & FR RAIL

3'-0"

SHOULDER

2%-0"

10'-0"

PROPOSED P.D. ORDER
6'-3" WIDE TOP FLANGE

(2) 2'-0"

8'-0"

THEORY: 7'-6" HANG ON 6'-0"

EXISTING 8' DEPTH
WITH AVAL NO. 69 HANGER OR SIMILAR

4 SPA.: @ 8'-36" = 25'-3"

6'-6"

8'-0"

3'-0"

CENTRAL COLUMNS

LIGNED TUBE CURB

MOUNT RAIL (TYP.)

4'-0" Curb

4'-0"

2'-0"

3'-0"

5'-0"

5'-0"

BRIDGE WIDTH = 31'-6"

Know what's below.
Call before you dig.
ELEVATION
END DIAPHRAGM
DIMENSIONS ARE ALONG E DIAPHRAGM

SECTION A

SEE ORDER SHEETS FOR DIMENSION "A". ALL DIMENSIONAL DIMENSIONS ARE NORMAL TO PIER WALL.

DIAPHRAGM NOTES:
1. DIAPHRAGMS SHALL BE HELD FIRMLY IN PLACE WHEN DIAPHRAGMS ARE PLACED.
2. OUTSIDE DIAPHRAGM TEMPTORY STRINGS BEFORE CASTING DIAPHRAGM. SEE TEMPORARY STRING CUTTING RESERVES.
3. EXTENDED DIAPHRAGM SAND OR REINFORCING NOT SHOWN FOR CLARITY.

Call before you dig.
BRIDGE DECK TYPICAL SECTION