Director’s Decision

Summary of Application

FILE NUMBER: C22-0014
PROPOSAL: The Columbia River Gorge Commission has received an application for upgrades to an existing communication tower.
APPLICANTS: John Pope (c/o T-Mobile)
LANDOWNERS: Schreiner Farms Inc.
SIZE and LOCATION: The subject parcel is 640 acres in size and is described as Tax Lot Number 02-13-0900-0000/00 in Section 9, Township 2 North, Range 13 East, Willamette Meridian, Klickitat County, Washington.
LAND USE DESIGNATION: General Management Area (GMA) – Large-Scale Agriculture (160)

Decision

Based upon the findings of fact and conclusions of law in the staff report accompanying this decision and the conditions of approval in this decision document, the land use application by John Pope, for upgrades to an existing communication tower is consistent with Commission Rules chapter 350, division 082, and thus consistent with the Management Plan for the Columbia River Gorge National Scenic Area and the standards of Section 6 and the purposes of the Columbia River Gorge National Scenic Area Act, Pub. L. 99-663, 100 Stat. 4274 (1986), and is hereby APPROVED.

Conditions of Approval

The following conditions of approval are given to ensure that the subject request is consistent with Commission Rules chapter 350, division 082. Compliance with these conditions of approval is required. The Gorge Commission may take one or more enforcement actions at any time to ensure compliance with these conditions of approval.

1. In accordance with Commission Rule 350-082-0150(3), the applicant shall record the Executive Director’s decision and conditions of approval and approved site plan and elevation drawings in county deeds and records (at the Klickitat County Auditor’s Office) to ensure notice of the conditions to successors in interest. The record shall be associated with all tax lots and parcels that constitute the subject property. The applicant need not record the separate staff report document containing the relevant
findings and conclusions. Once recorded, the applicants shall submit a copy of the recorded documents to the Executive Director.

2. This decision does not exempt the proposal from other non-National Scenic Area rules and regulations. It is the applicant's responsibility to ensure the use complies with all other applicable federal, state, and county laws and to obtain necessary approvals, including utility easement approvals.

3. Inspections Required, contact the Gorge Commission office to schedule:

A. Post-completion inspection required.

B. Applicants may request interim inspections, and the Gorge Commission staff may, at its discretion, conduct interim inspections.

4. Any new land uses or structural development, alterations, or grading not included in the approved application or site plan will require a new application and review.

5. All aspects of the proposal shall be dark earth-tone colors. Only approved dark earth-tone colors for exterior materials shall be used. The approved color is Sherwin-Williams 'French Roast' (SW 6069).

The color of the development shall be maintained by painting and staining as necessary to maintain the approved color. Any proposed changes to these colors shall be submitted for review by the Executive Director for consistency with this condition of approval.

6. One exterior light fixture is purposed. Exterior lighting shall be directed downward and sited, hooded, and shielded so the lighting is not highly visible as seen from Key Viewing Areas. Shielding and hooding materials shall be composed of non-reflective, opaque materials.

7. If cultural resources are discovered, all activities within 100 feet of the cultural resources shall immediately cease and the applicants shall notify the Gorge Commission within 24 hours of discovery and the State Physical Anthropologist, Dr. Guy Tasa at (360) 586-3534 or guy.tasa@dahp.wa.gov. The cultural resources shall remain as found and further disturbance is prohibited until permission is granted by the Executive Director of the Gorge Commission.

8. If human remains are discovered, all activities shall cease immediately upon their discovery. Local law enforcement, the Executive Director and Indian Tribal governments shall be contacted immediately. Further disturbance is prohibited until permission is granted by the Executive Director of the Gorge Commission.

DATED THIS 29th day of September 2022 at White Salmon, Washington.
Expiration of Approval

Commission Rule 350-082-0160 governs the expiration of this Director’s Decision.

Expiration of this Director’s Decision is automatic. The Executive Director does not notify applicants or landowners of decisions that are expired or may be close to expiring.

This decision of the Executive Director becomes void on the 29th day of September 2024 unless construction has commenced in accordance with Commission Rule 350-082-0160(4).

Commission Rule 350-082-0160(4) specifies that commencement of construction means actual construction of the foundation or frame of the approved structure.

Construction must be completed within two years of the date the applicant commenced construction. Commission Rule 350-082-0160(5) specifies that completion of the structure means completion of the exterior surface(s) of the structure and compliance with all conditions of approval in the National Scenic Area approval. The date of the Executive Director’s preconstruction inspection to confirm the location of proposed structural development as required by this decision shall be considered the date the applicant commenced construction, unless the Gorge Commission or applicant demonstrates otherwise.

Once the applicant has commenced construction of one element in this decision, the applicant must complete all elements in this decision in accordance with Commission Rule 350-082-0160. The Gorge Commission does not use different commencement of construction dates for different elements in this decision.

The applicant may request one 12-month extension of the time period to commence construction and one 12-month extension to complete construction in accordance with Commission Rule 350-082-0160(6). The applicant must submit the request in writing prior to the expiration of the approval. If the applicant requests an extension of time to complete construction after commencing construction, the applicant shall specify the date construction commenced. The Executive Director may grant an extension upon determining that conditions, for which the applicant is not responsible, would prevent the applicant from commencing or completing the proposed development within the applicable time limitation. The Executive Director shall not grant an extension if the site characteristics or new information indicate that the proposed use may adversely affect the scenic, cultural, natural or recreation resources in the National Scenic Area.

Appeal Process

The appeal period ends on the 29th of October 2022.
The decision of the Executive Director is final unless the applicant or any other person who submitted comment files a Notice of Appeal with the Commission within thirty (30) days of the date of this decision. Commission Rule chapter 350, division 70 governs appeal of this decision. This rule is available on the Gorge Commission’s website and at the Gorge Commission office. You may contact the Gorge Commission office if you have questions about appealing this decision.

Notes

1. Any new land uses or structural development such as driveways, parking areas, garages, workshops, fences or other accessory structures; or additions or alterations not included in the approved application or site plan will require a new application and review. New cultivation also requires a new application and review.

2. This decision does not address local, state, or federal requirements that may be applicable to the proposed development. The landowner is responsible for obtaining all applicable county, state, or federal permits required for the development.

In accordance with Commission Rule 350-082-0150(6), the Gorge Commission staff mailed notice of this decision to the following governments, agencies, and organizations and persons who provided comment on the application:

- Confederated Tribes and Bands of the Yakama Nation
- Confederated Tribes of the Umatilla Indian Reservation
- Confederated Tribes of Warm Springs Reservation of Oregon
- Nez Perce Tribe
- U.S. Forest Service National Scenic Area Office
- Washington Department of Archaeology and Historic Preservation
- Klickitat County Planning Department
- Klickitat County Building Department
- Klickitat County Public Works Department
- Klickitat County Health Department
- Klickitat County Assessor
- Washington Natural Heritage Program
- Washington Department of Fish and Wildlife
- Steve McCoy, Friends of the Columbia Gorge

Attachments:
- Staff Report for C22-0014
- Approved site plans and elevation drawings
- International Dark-Sky Association acceptable & unacceptable light fixtures
Examples of Acceptable / Unacceptable Lighting Fixtures

Unacceptable / Discouraged
Fixtures that produce glare and light trespass

- Unshielded Floodlights or Poorly-shielded Floodlights
- Unshielded Wallpacks & Unshielded or Poorly-shielded Wall Mount Fixtures
- Drop-Lens & Sag-Lens Fixtures w/ exposed bulb / refractor lens
- Unshielded Streetlight
- Unshielded Bollards
- Unshielded 'Marine' style Fixtures
- Unshielded PAR Floodlights
- Unshielded 'Period' Style Fixtures
- Drop-Lens Canopy Fixtures

Acceptable
Fixtures that shield the light source to minimize glare and light trespass and to facilitate better vision at night

- Full Cutoff Fixtures
- Fully Shielded Wallpack & Wall Mount Fixtures
- Fully Shielded Fixtures
- Fully Shielded Barn Light
- Fully Shielded Walkway Bollards
- Fully Shielded 'Period' Style Fixtures
- Fully Shielded Decorative Fixtures
- Fully Shielded PAR Floodlights
- Shielded / Properly-aimed PAR Floodlights
- Fully Shielded 'Period' Style Fixtures
- Flush Mounted or Side Shielded Under Canopy Fixtures

Illustrations by Bob Crelin © 2005. Rendered for the Town of Southampton, NY. Used with permission.
**Site Information**

- **Property Information**:
  - **Site Address**: VENY POINT JEEP TRAIL/P.O. BOX 448
  - **City**: LYLE, WA 98635-4419
  - **State**: WA
  - **Zip Code**: 98635
  - **County**: Klickitat
  - **Country**: US
  - **Latitude**: 45° 40' 45.80" N
  - **Longitude**: 121° 11' 28.40" W
  - **Tower Height**: 60'-0"

- **Project Details**:
  - **Project Name**: T-Mobile Site Replacement
  - **Location**: PO008037A
  - **Type**: Single Aisle or Single Stack
  - **Access**: Foot Path
  - **Siting**: Accessible

**Approval Details**

- **Approval Date**: 05/24/22
- **Project Manager**: Tiffany Vetter

**Code Compliance**

- **International Building Code**: 2018
- **International Fire Code**: 2015
- **National Electric Code**: 2017
- **Washington State Energy Code**: 2018

**Electrical Details**

- **Grounding**: 300-Are 3-Core T-200 AMP Service Entrance Panel

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**Diagram**

- **Vicinity Map**

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**Project Description**

- **Equipment**: 300-A, 8-Circuit T-200 AMP Service Entrance Panel

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**Approvals**

- **Approval Date**: 05/24/22
- **Project Manager**: Tiffany Vetter

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**Additional Notes**

- **Grounding Requirements**: 300-Amp 3-Core T-200 AMP Service Entrance Panel

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**Acknowledgement**

- **Signed By**: Tiffany Vetter
- **Date**: 05/24/22

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**Contact Information**

- **Company**: T-Mobile
- **Address**: PO 008037A
- **City**: LYLE, WA 98635
- **Phone**: 1-855-478-7669

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**Shared Information**

- **Shared by**: T-Mobile Project Manager
- **Shared Date**: 05/24/22

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**Additional Details**

- **Shared Notes**: Grounding requirements for the site.
C. COATING SYSTEM SPECIFICATIONS

23. THE LATEST EDITION OF ALL PERMITTED AND APPROVED PLANS PERTAINING TO THIS PROJECT SHALL BE KEPT IN HIS OR HER BEST SKILL AND ATTENTION. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND COORDINATION OF ALL PORTIONS OF THE CONTRACTED WORK.

24. THE CONTRACTOR SHALL REMOVE ALL RUBBAGE AND WASTE MATERIALS ON A DAILY BASIS. AS REDUCED FOR THAT CONDITION. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND COORDINATION OF ALL PORTIONS OF THE CONTRACTED WORK.

25. THE GENERAL CONTRACTOR MUST PERFORM WORK UNLESS SPECIFICALLY DIRECTED OTHERWISE BY T-MOBILE. IF A DISCREPANCY EXISTS AND THE PROJECT MANAGER AND CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND COORDINATION OF ALL PORTIONS OF THE CONTRACTED WORK.

26. PRIOR TO SUBMISSION OF BIDS, THE CONTRACTORS SHALL BE HELD RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND COORDINATION OF ALL PORTIONS OF THE CONTRACTED WORK.

27. SEAL ALL PENETRATIONS THROUGH FIRE-RATED AREAS WITH T-MOBILE CONSTRUCTION MANAGER PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR COORDINATING ALL WORK WITH T-MOBILE CONSTRUCTION MANAGER.

28. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A FIRE-EXTINGUISHER RATING NOT LESS THAN 2 A OR 2 B/C, A 10 LBS FIRE-EXTINGUISHER RATING NOT LESS THAN 2 A, AND A 4 LBS FIRE-EXTINGUISHER RATING NOT LESS THAN 2 A OR 2 B/C.

29. ALL NEW OPENINGS IN THE EXTERIOR ENVELOPE OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF ELECTRICAL, MECHANICAL, AND STRUCTURAL INSTALLATIONS MUST BE REDUCED FOR ANY NATURE AT COMPLETION OF WORK.

30. ALL NEW OPENINGS IN THE EXTERIOR ENVELOPE OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF ELECTRICAL, MECHANICAL, AND STRUCTURAL INSTALLATIONS MUST BE REDUCED FOR ANY NATURE AT COMPLETION OF WORK.

31. UPON COMPLETION OF CONSTRUCTION, T-MOBILE SHALL REPLACE OR REMEDIATE ANY FAULTY, IMPROPER, OR INFERIOR MATERIALS OR WORKMANSHIP OR ANY DOCUMENTATION OF THE CONTRACTED WORK.

32. THE CONTRACTOR SHALL PROVIDE CONTINUOUS SUPERVISION AND DIRECT ALL WORK WHILE ANY SIGNIFICANT CONSTRUCTION Scope IS IN PROGRESS. IT MAY BE REQUIRED USING HIS OR HER BEST SKILL AND ATTENTION. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND COORDINATION OF ALL PORTIONS OF THE CONTRACTED WORK.

33. INSTALL ALL EQUIPMENT AND MATERIALS PER THE LATEST EDITION OF THE MANUFACTURER'S INSTALLATION SPECIFICATIONS UNLESS OTHERWISE INDICATED BY T-MOBILE, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.

34. THE CONTRACTOR SHALL VERIFY, COORDINATE, AND PROVIDE ALL NECESSARY BLOCKING, BACKING, FIXTURES, HANDLING, OR OTHER SUPPORTS FOR ALL ITEMS.

35. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL PROVIDE ALL REQUIRED CONSTRUCTION NOTICES AND SHALL COMPLY WITH ALL APPLICABLE LOCAL CODES, REGULATIONS, LAWS AND ORDINANCES, AS WELL AS THE STANDARDS AND SPECIFICATIONS NOTED IN THE PROJECT MANAGER'S REDLINE DRAWINGS, THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND COORDINATION OF ALL PORTIONS OF THE CONTRACTED WORK.

36. THE CONTRACTOR SHALL PROTECT ANY PROPERTY FROM DAMAGE THAT MAY OCCUR DURING CONSTRUCTION, ANY DAMAGE TO NEW AND EXISTING FINISHES, STRUCTURE, CONSTRUCTION, LANDSCAPING, CHARGED OVERSIGHT OF THE CONTRACTOR, THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND COORDINATION OF ALL PORTIONS OF THE CONTRACTED WORK.

37. THE CONTRACTOR SHALL REPLACE OR REMEDIATE ANY FAULTY, IMPROPER, OR INFERIOR MATERIALS OR WORKMANSHIP OR DOCUMENTATION OF THE CONTRACTED WORK.

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A. GENERAL

1. PRECEDENCE: UNLESS OTHERWISE SHOWN OR SPECIFIED, THE FOLLOWING GENERAL NOTES SHALL APPLY:

- INFORMATION ON THESE DRAWINGS SHALL HAVE THE FOLLOWING PRECEDENCE:
  - A. ALL DIMENSIONS TO TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
  - B. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
  - C. MATERIAL NOTES AND SPECIFICATIONS ON THE DRAWING SHALL TAKE PRECEDENCE OVER THE SPECIFICATIONS.
  - D. OTHER TRADES: SEE THE ARCHITECTURAL DRAWINGS FOR PRECEDENCE.
  - E. FOUNDATIONS & SLABS 9" OR LESS: 3/4" GRAVEL OR DRIED STRAW.

2. OTHER TRADES: SEE THE ARCHITECTURAL DRAWINGS FOR GENERAL INFORMATIONAL PRECEDENCE.

3. FOUNDATIONS & SLABS: TYPE V, LOW ALKALI, CONFORMING TO ASTM C-150. PIER/CAISSON FOOTINGS: AGGREGATE IN CONCRETE SHALL BE THE FOLLOWING:

   - A. CONCRETE IN CONTACT WITH EARTH, UNFORMED 3"
   - B. CONCRETE COVERED WITH SUITABLE MATERIAL.
   - C. MODULUS ELASTICITY 1400ksi MIN.
   - D. TIMBER
     - F. TIMBER
     - H. TIMBER

4. FOUNDATIONS & SLABS: TYPE V, LOW ALKALI, CONFORMING TO ASTM C-150. PIER/CAISSON FOOTINGS: B. STEEL

5. MATERIALS:

   - A. LUMBER SPECIES: ALASKAN YELLOW CEDAR (A.C.)
   - B. ROD Ovens.
   - C. MODULUS ELASTICITY 1400ksi MIN.

6. FOUNDATION & SLABS 3/4"

7. MIXING: PREPARATION OF CONCRETE SHALL CONFORM TO ASTM C-94. NO MORE THAN 90 MINUTES SHALL ELAPSE FROM THE TIME OF MIXING TILL IT IS COMPLETED. THIS INCLUDES UNDERPINNING FROM ZERO TO TOT.

8. ALL STRUCTURAL STEEL SHALL HAVE MILL CERTIFICATION. MILL CERTIFICATION SHALL BE KEPT ON THE JOB SITE FOR EXAMINATION BY THE INSPECTOR.

9. LAG BOLTS SHALL BE SCREWED INTO PLACE, NOT DRILLED. BOLTS SHALL BE STAGGERED WHEREVER POSSIBLE.

10. ALL BOLTS SHALL HAVE STANDARD CUT WASHERS UNDER HEADS AND/OR NUTS WHERE IN CONTACT WITH STRUCTURAL STEEL.

11. PENETRATIONS: NO SLEEVES OR CHASES SHALL BE PLACED IN BEAMS, SLABS, WALLS AND COLUMNS, EXCEPT THOSE SHOWN ON THE PLANS. CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FOR INSTALLATIONS OF SLEEVES. CORING IS NOT ALLOWED UNLESS PRIOR APPROVAL IS OBTAINED FROM THE STRUCTURAL ENGINEER AND THE CITY INSPECTOR.

12. EMBEDDED ITEMS: CONDUIT PLACED IN A CONCRETE MIXTURE SHALL BE SECURED IN PLACE DURING CONCRETE PLACEMENT BY A DEPUTY INSPECTOR EMPLOYED BY A TESTING LABORATORY APPROVED BY THE BUILDING DEPT.

13. ALL BOLTS THAT HAD BEEN WELDED, CUT OR SCRATCHED IN THE FIELD SHALL BE TOUCHED UP WITH COLD BANDAGE.

14. CONSTRUCTION DETAILS SHALL CONFORM TO THE FREE UNCONFINED FALL OF CONCRETE SHALL NOT BE ALLOWED.

15. CONSOLIDATION: ALL CONCRETE SHALL BE VIBRATED AS IT IS BEING PLACED WITH ELECTRICALLY OPERATED VIBRATING EQUIPMENT.

D. TIMBER

1. ALL FRAMING LUMBER FOR X4 AND LARGER BEAMS SHALL BE NO. 3 GRADE DOUGLAS FIR, S16, UNLESS NOTED OTHERWISE.

2. ALL FRAMING LUMBER FOR 2X4 FARRIES AND JOISTS SHALL BE NO. 3 GRADE DOUGLAS FIR, S16, UNLESS NOTED OTHERWISE.

3. STRIPPING, BLOCKING, BACKING AND OTHER NON-STRUCTURAL LUMBER SHALL BE NO. 2 OR STD A GRADE. S4X4 STUD WASHERS SHALL BE S. P. STANDARD & BTR.

4. STEEL TUBING SHALL BE GRADE "B" CONFORMING TO ASTM A500.

5. ROOF WOOD SHEATS SHALL HAVE THE FOLLOWING GRADE DISCRIMINATING TO SUPPORTS AND WITH THE EDGES STAGGERED. UNLESS NOTED OTHERWISE ON THE PLANS.

6. ALL STRUCTURAL STEEL SHALL HAVE MILL CERTIFICATION. MILL CERTIFICATION SHALL BE KEPT ON THE JOB SITE FOR EXAMINATION BY THE INSPECTOR.

7. ALL BEAMS, JOISTS AND RAFTERS SHALL BE INSTALLED WITH CORNER U.

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14. CONSTRUCTION DETAILS SHALL CONFORM TO THE FREE UNCONFINED FALL OF CONCRETE SHALL NOT BE ALLOWED.

15. CONSOLIDATION: ALL CONCRETE SHALL BE VIBRATED AS IT IS BEING PLACED WITH ELECTRICALLY OPERATED VIBRATING EQUIPMENT.
INFORMATION CONTAINED WITHIN DRAWINGS IS BASED ON PROVIDED INFORMATION AND IS NOT THE RESULT OF A FIELD SURVEY.
### EXISTING ANTENNA / CABLE SCHEDULE

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<tr>
<th>MOUNT</th>
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<th>MOUNT LOCATION</th>
<th>ANGLE</th>
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<th>TYPE</th>
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<td>50.0'</td>
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### PROPOSED ANTENNA / CABLE SCHEDULE

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### NOTES
1. CONTRACTOR IS TO REFER TO T-MOBILE'S MOST CURRENT RADIO FREQUENCY DATA SHEET (RFDS) PRIOR TO CONSTRUCTION.
2. CABLE LENGTH IS APPROXIMATE. CONTRACTOR TO FIELD VERIFY CABLE LENGTHS PRIOR TO ORDERING, FABRICATION, OR INSTALLATION OF CABLES.
3. PROPOSED EQUIPMENT IS INDICATED BY BOLD TEXT.
**Configuration 56790E2_SR_T**

*For 5G and LTE Airscale BB dimensioning refer to Fiber Port matrices. (Alpha, Beta & Gamma)*

**FDD - Lowband**
- B12 (L700) – 5 MHz
- B71 (L600) – 10 MHz
- B71 (N600) – 15 MHz

**FDD - Midband**
- B4 (L2100) – 20 MHz
- B66 (AWS3) – 5 MHz
- B66 (N2100) – 20 MHz
- B2/B25 (L1900) – 20 MHz
- B25 (N1900) – 20 MHz

**TDD - Band 41**
- L2 (2.5GHz) – 60 MHz
- N41 (2.5GHz) – 100+80 MHz

---

**Transmitter Site Details**

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**Cluster Details**

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<th>[Cluster Id B]</th>
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</table>

**Antenna Details**

- **Antenna Model:** VHLF2-16C
- **Antenna Manufacturer:** ANDREW CORPORATION
- **Antenna Gain (dBi):** 39.00 dBi
- **Antenna Diameter:** 1.97 ft
- **Antenna CL:** 56.00 ft AGL

**Additional Notes**

- **Frequency (GHz):** 18.00 GHz
- **Path length:** 3.34 mi
- **Free space loss (dB):** 132.15 dB
- **Atmospheric absorption loss (dB):** 0.26 dB
- **Obstruction Loss (dB):** 0.00 dB (LOS)
- **Field margin (dB):** 1.00 dB
- **Net path loss (dB):** 59.64 dB

**Radio Details**

- **Radio Model:** E9000C 1960 A_H36 21004
- **Radio Manufacturer:** Caragon Networks
- **Frequency Plan: Frequency (MHz):**
  - High: 19300.0000 / 19500.0000
  - Low: 17704.0000 / 18702.0000

**Polarization:** HV/HV

---

[PROPOSED RF PLUMBING DIAGRAM]
INSTALL LOWER AND UPPER JUMPERS TO PROPER BB AND RF PORTS.

LTE TDD - B41 (2.5GHz)
RF Module     Port  Baseband     Port  Technology
AEHC1         OPT4    ABIC1       RF5    L41 - Alpha
AEHC1         OPT1    ABIC1       RF6    L41 - Alpha
AEHC2         OPT4    ABIC2       RF5    L41 - Beta
AEHC2         OPT1    ABIC2       RF6    L41 - Beta
AEHC3         OPT4    ABIC3       RF5    L41 - Gamma
AEHC3         OPT1    ABIC3       RF6    L41 - Gamma

NR TDD - B41 (2.5GHz)
RF Module     Port  Baseband     Port  Technology
AEHC1         OPT3    ABIC1       S-RF1  N41 - Alpha
AEHC1         OPT2    ABIC1       S-RF2  N41 - Alpha
AEHC2         OPT3    ABIC2       S-RF1  N41 - Beta
AEHC2         OPT2    ABIC2       S-RF2  N41 - Beta
AEHC3         OPT3    ABIC3       S-RF1  N41 - Gamma
AEHC3         OPT2    ABIC3       S-RF2  N41 - Gamma
MANUFACTURER: DELTA

MODEL: HPL3 SITE SUPPORT CABINET

WEIGHT: 551 LBS (WITHOUT EQUIPMENT)
1800 LBS (MAX.)

DIMENSIONS: 30.0"x35.0"x72.0"

NOTE:
- CORRECT KNOCKOUT TOOL REQUIRED FOR PUNCHING KNOCKOUTS. DO NOT DRILL KNOCKOUTS THROUGH.
- CONDUIT MUST BE PROPERLY SECURED TO PREVENT DAMAGE TO CABINETS AND/OR CABLING.

SKU# 33554 DELTA 6in PLINTH

PLAN VIEW

ACCESS PANEL

FIBER CABLES (YELLOW)

KNOCKOUT

DC CABLES (RED)

FIBER CABLES (BLUE)

SKU# 33554 DELTA 6in PLINTH

SIDE VIEW

FIBER ROUTE OPTIONS

RAYCAP BOOSTER (#1)

BATTERY CABLE ROUTE KNOCKOUT. WITH THE FIXED LENGTH OF BATTERY CABLE PROVIDED THIS IS THE ONLY KNOCKOUT YOU CAN USE.

1" KNOCKOUTS ARE INTENDED FOR 1" DC POWER OR 1" FIBER KNOCKOUTS. THE DEDICATED 2-1/2" FIBER CABLE FROM THE CERCA OR TELECO TO THE PREPARES TO THE FPC CABLES FROM THE PFC.

INTERNAL ROUTING

FUTURE EQUIPMENT

HORIZONTAL CABLE MANAGEMENT BAR

ARISCALE BASEBAND

ARISCALE BASEBAND

COR SARRAS ROUTER

RECTIFIERS

DC BREAKERS

RAYCAP BOOSTER (SKU 32052)

SKU 33554 DELTA 6" PLINTH

SKU 33554 DELTA 6in PLINTH

FUTURE EQUIPMENT

HORIZONTAL CABLE MANAGEMENT BAR

ARISCALE BASEBAND

ARISCALE BASEBAND

COR SARRAS ROUTER

RECTIFIERS

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RAYCAP BOOSTER (SKU 32052)

SKU 33554 DELTA 6" PLINTH

SKU 33554 DELTA 6in PLINTH

FUTURE EQUIPMENT

HORIZONTAL CABLE MANAGEMENT BAR

ARISCALE BASEBAND

ARISCALE BASEBAND

COR SARRAS ROUTER

RECTIFIERS

DC BREAKERS

RAYCAP BOOSTER (SKU 32052)
**ISO VIEW**

**N.T.S.**

**SHIPPING HOOKS TO BE REMOVED AFTER CABINET INSTALL.**

**NOTE:**
- CORRECT KNOCKOUT TOOL REQUIRED FOR PUNCHING KNOCKOUTS. DO NOT DRILL KNOCKOUTS THROUGH.
- CONDUIT MUST BE PROPERLY SECURED TO PREVENT DAMAGE TO CABINETS AND/OR CABLES.

**MANUFACTURER:** DELTA

**MODEL:** LB3 BATTERY SUPPORT CABINET

**WEIGHT:**
- 509 LBS (WITHOUT EQUIPMENT)
- 2750 LBS (MAX.)

**DIMENSIONS:** 30.0" x 35.0" x 72.0"

**SKU# 33554 DELTA 6IN PLINTH**

**Punching Knocks:**
- (4) 3/4"Ø FOR CABLE ROUTING
- (1) 4" RIGID CONDUIT FOR ROUTING BATTERY CABLES TO THE RECTIFIER.
- BATTERY CABLE ROUTE KNOCKOUTS WITH THE FIXED LENGTH OF BATTERY CABLE PROVIDED. THIS IS THE ONLY KNOCKOUT YOU CAN USE.

**RIGHT VIEW**

**SIDE VIEW**

**PLAN VIEW**

**SIDE VIEW**

**SKU# 33554 DELTA 6IN PLINTH**

**BATTERY SHELVES:**
- UP TO 200AH

**BATTERY VIBRATION MOUNTS**

**4X BATTERY SHELVES, UP TO 200AH**

**BATTERY BRACKETS**

**BATTERY CABLE ROUTE KNOCKOUT. WITH THE FIXED LENGTH OF BATTERY CABLE PROVIDED, THIS IS THE ONLY KNOCKOUT YOU CAN USE.**

**ACCESS PLATES:**
- USE T25 TORX"
**Concrete Pier**

- 24" wide
- Gripstrut channel
- Bottom of coax blocking at 8'-0" AGL

**Galvanized Steel Post**

- 2" min.
- Site verify

**Top of Existing Grade**

- 3/4" chamfer
- Site Pro 1 Direct-burial pipe column or approved equal
- Site Pro 1 24" wide Gripstrut Ice bridge, or approved equal (cut to suit), touch up with 2 coats of Galvacron
- Site Pro 1 24" support arm or approved equal
- Coax cable hangers (to suit cable size) or approved equal

**Concrete Pier (2500 PSI-5 1/2 sack mix)**

- 6" min.
- Site Pro 1 Part # Direct-burial pipe columns
- 13'-4" Column IB24D-V
- 18'-0" Column IB24D-216V

**Pipe Cap**

- Site Pro 1 24" wide Gripstrut ice bridge, or approved equal (cut to suit), touch up with 2 coats of Galvacron

**Additional Notes**

- Pendant includes a grounding stud.
- A 2-6 AWG weatherable conductor should be run as straight and short as possible to an adequate grounding point to perform properly. (Contractor supplied)
- Additional hose clamp (if required)
- Hardware insert
- Angle adapter
- Torque value range: 6 +/− 5NM (53 +/− 4IN LBS)

**Manufacturer Details**

- Commscope: Model FD21206-48S55-XXX
  - Weight: 1.71 LB/FT
  - Dimensions: 1.55"Ø
  - Mounting kit: Provided
- Infinigy: Model RL1003 Series
  - Weight: ≤ 105 LBS (empty)
  - Dimensions: 22.1"x20.0"x26.3"
NOTE: CONTRACTOR MAY NEED TO FIELD MODIFY LENGTHS OF SOME CANOPY MEMBERS TO MEET MINIMUM BASEPLATE ANCHORAGE ESTATE ON SOME CONCRETE SURFACES.

LED LIGHT
MODUL SOCKET MOUNTING
MANUFACTURER'S CABLE ON OTHER CABLE SUITABLE FOR EXTENDED SUNLIGHT EXPOSURE
METALLIC CABLE TERMINATION FITTING
ICE BRIDGE/CANOPY POST
WEATHERPROOF 50 MIN. ROTARY TIMER LIGHT SWITCH
3/4" RGS CONDUIT FOR (3) #12 AWG ELECTRICAL RUN
#2 AWG BARE SOLID TINNED COPPER WIRE TO GROUND RING
EXOTHERMIC WELD
TO PPC CABINET

BATTERY SPECIFICATIONS:
MANUFACTURER: ENERSYS
PRODUCT: POWERSAFE SBS-190F
CHEMISTRY: VALVE REGULATED LEAD ACID
NUMBER OF CELLS: 6
NORMAL VOLTAGE: 12 V
NORMAL CAPACITY:
2-HR RATE 1.75Vpc @ 77°F (25°C): 190 Ah
10-HR RATE 1.80Vpc @ 68°F (20°C): 190 Ah
NORMAL DIMENSIONS:
LENGTH: 22.1" (561 mm)
WIDTH: 4.9" (125 mm)
HEIGHT: 12.4" (316 mm)
WEIGHT: 132 LBS (60.0 kg)
SHORT CIRCUIT CURRENT: 3990 AMPS
INTERNAL RESISTANCE: 3.20 MILLI-OHMS
TERMINALS: M6 M
ELECTROLYTE (PER BLOC)
VOLUME: 2.34 GAL (8.86 L)
WEIGHT: 25.3 LBS (11.5 kg)
PURE H₂SO₄ ACID (PER BLOC)
VOLUME: 0.66 GAL (2.49 L)
WEIGHT: 10.1 LBS (4.56 kg)
LEAD WEIGHT (PER BLOC): 95.8 LBS (43.4 kg)

NOTE: ANYTHING EXPOSED TO WEATHER SHALL BE STAINLESS AND/OR GALVANIZED.

ICE CANOPY SPECIFICATIONS:
MANUFACTURER: SITE PRO 1
MODEL: COV1010-B
HEIGHT: 10'-6"
LENGTH: 10'-0"
WIDTH: 11'-0"
WEIGHT: 877.78 LBS

ICE CANDY SPECIFICATIONS:
MANUFACTURER: SITE PRO 1
MODEL: COV1010-B
HEIGHT: 10'-6"
LENGTH: 10'-0"
WIDTH: 11'-0"
WEIGHT: 877.78 LBS

CONSTRUCTION DETAILS
A-9 0
### Proposed Panel Schedule

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**Utility Routing Plan**

- **Proposed T-Mobile Fiber Route**
  - From Telco P.O.C. at utility pole to T-Mobile H-frame
- **Proposed T-Mobile Power Route**
  - From H-frame to T-Mobile H-frame
- **Proposed T-Mobile Hybrid Route**
  - From T-Mobile cabinet along ice bridge and up monopole to T-Mobile antenna level

**NOTE:**

- Design is preliminary, refer to UCR.
NOTE: DIAGRAMS PROVIDED ARE PER MANUFACTURER INSTALLATION GUIDE
GENERAL GROUNDING NOTES:
1. TO ENSURE PROPER BONDING, ALL CONNECTIONS SHALL BE AS FOLLOWS:
   - #2/0 BARE TINNED SOLID COPPER CONDUCTOR: CADWELD TO RODS OR GROUND RING
   - LUGS AND BUS BAR (UNLESS NOTED OTHERWISE): SANDED CLEAN, COATED WITH OXIDE INHIBITOR AND BOLTED FOR MAXIMUM SURFACE CONTACT.
   - ALL LUGS SHALL BE COPPER (NO ALUMINUM SHALL BE PERMITTED). PROVIDE LOCK WASHERS FOR ALL MECHANICAL CONNECTIONS FOR GROUND CONDUCTORS. USE STAINLESS STEEL HARDWARE THROUGHOUT.
2. ALL GROUNDING CABLE IN CONCRETE OR THROUGH WALLS SHALL BE IN 3/4" PVC CONDUIT. SEAL AROUND CONDUIT THROUGH WALLS. NO METALLIC CONDUIT SHALL BE USED FOR GROUNDING CONDUCTORS.
3. OWNER'S REPRESENTATIVE WILL INSPECT CADWELDS AND CONDUCT MEGGER TEST PRIOR TO BURIAL. MAXIMUM 5 OHMS RESISTANCE IS REQUIRED.
4. MAKE ALL GROUND CONNECTIONS AS SHORT AND DIRECT AS POSSIBLE. AVOID SHARP BENDS. ALL BENDS SHALL BE A MINIMUM 8" RADIUS AND NO GREATER THAN 90 DEGREES.
5. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER WHEN THE GROUNDING SYSTEM IS COMPLETE. THE CONSTRUCTION MANAGER SHALL INSPECT THE GROUNDING SYSTEM.
6. THE PREFERRED LOCATION FOR COAX GROUNDING IS AT THE BASE OF THE TOWER PRIOR TO THE COAX BEND. BONDING IS SHOWN ON THE ICE BRIDGE DUE TO DIFFICULTY WITH WELDING OR ATTACHING TO TOWER LEGS. CONTRACTOR SHALL ADVISE CONSTRUCTION MANAGER PRIOR TO PLACING CIGBE ON ICE BRIDGE IF MOUNTING TO TOWER LEG IS POSSIBLE.
Summary of Application

FILE NUMBER: C22-0014

PROPOSAL: The Columbia River Gorge Commission has received an application for upgrades to an existing communication tower.

APPLICANTS: John Pope (c/o T-Mobile)

LANDOWNERS: Schreiner Farms Inc.

SIZE and LOCATION: The subject parcel is 640 acres in size and is described as Tax Lot Number 02-13-0900-0000/00 in Section 9, Township 2 North, Range 13 East, Willamette Meridian, Klickitat County, Washington.

LAND USE DESIGNATION: General Management Area (GMA) – Large-Scale Agriculture (160)

Notice of Application Mailed to:

In accordance with Commission Rule 350-082-0110, the Gorge Commission staff mailed notice of this application to property owners within 200 feet of the subject parcel and sent email notice of this application to the following governments, agencies, and organizations:

Confederated Tribes and Bands of the Yakama Nation
Confederated Tribes of the Umatilla Indian Reservation
Confederated Tribes of Warm Springs
Nez Perce Tribe
U.S. Forest Service National Scenic Area Office (USFS CRGNSA)
Washington Department of Archaeology and Historic Preservation (DAHP)
Klickitat County Planning Department
Klickitat County Building Department
Klickitat County Public Works Department
Klickitat County Health Department
Klickitat County Assessor
Skamania County
Washington Natural Heritage Program
Washington Department of Fish and Wildlife (WDFW)
Friends of the Columbia Gorge
Findings of Fact

A. Land Use

1. John Pope, work on behalf of T-Mobile is seeking approval for upgrades to an existing communications tower. No grading is proposed. The property is designated GMA Large-Scale Agriculture.

2. The project consists of installing four antennas, three ODUs, two AHLOAs and two RRUs and two hybrid cables on the tower. All of the equipment is located within a fenced enclosure. The tower is 60 ft tall, and the equipment will be mounted on the tower at 57 ft. The proposed antennas are 96” x 25” x 9”, the ODUs are 13” x 11” x 4”, the AHLOAs are 22” x 12” x 7”, and the RRUs are 28” x 13” x 6”. The hybrid cable will be located vertically along the tower. At the ground level, a 10 ft x 11 ft ice canopy will be installed to protect a new 30” x 35” x 72” battery cabinet and a 30” x 35” x 72” power cabinet. An ice bridge will be installed to protect the hybrid cable and other equipment and a new exterior light is proposed. All the existing equipment currently owned by Sprint will be removed. The application indicates that all equipment will be painted dark brown to match the color of the existing tower.

3. Commission Rule 350-082-0240(2) allows uses listed in Commission Rule 350-082-0220 ‘Development and Uses Eligible for Expedited Review’ on lands designated Large-Scale Agriculture in the GMA. Commission Rule 350-082-0220(1)(r)(C) allows new antennas and associated support structures for existing communication towers through the expedited review process. It states:

   New antennas and associated support structures necessary for public service on existing wireless communication poles and towers other than those allowed outright, provided the size is the minimum necessary to provide the service.

The existing tower was constructed in 1998 under the approval of Director’s Decision C98-0023-K-G-21. The proposed new antennas will provide improved public service. There will be no change to the tower height. The equipment is designed and sized to be adequate to provide coverage to meet public service communication needs. The proposal meets the Federal Communications Commission (FCC) rules for Eligible Facilities Requests because the proposal does not constitute a Substantial Change to the facility. The proposed antennas and support structures are eligible for expedited review, consistent with Commission Rule 350-082-0220(1)(r)(C).
Land Use Conclusion:

The proposed development is an allowed expedited review use, subject to compliance with the guidelines in Commission Rule 350-082-0220 that protect scenic, cultural, natural and recreation resource treaty rights.

B. SCENIC RESOURCES


   _Except signs, the colors of structures topographically visible from key viewing areas shall be dark earth-tones found at the specific site or the surrounding landscape. The specific colors approved by the reviewing agency shall be included as a condition of approval. This guideline shall not apply to additions to existing buildings smaller in total area in square feet than the existing building, which may be the same color as the existing building._

   The development site is located on a south-facing hillside at an elevation of 1,840 ft. The tower is topographically visible in the middle ground (1 to 4 miles) and background (greater than 4 miles) from three Key Viewing Areas (KVAs) to the south: the Columbia River, I-84, and the Historic Columbia River Highway, all of which are located at much lower elevations. The applicant has proposed to paint the proposed antennas a dark brown color to match the existing tower. Previous Decisions for the communication tower required the tower and antennas to be painted Sherwin-Williams ‘French Roast’ (SW 6069). A condition of approval is included in the Director’s Decision requiring all elements of the proposal to be this color, consistent with Commission Rule 350-082-0220(2)(a)(B).

2. Commission Rule 350-082-0220(2)(a)(C) states:

   _Except signs, structures topographically visible from key viewing areas shall use low or non-reflective building materials, including roofing, gutters, vents, and chimneys._

   A condition of approval is included in the Director’s Decision requiring a flat, low-reflective finish consistent with Commission Rule 350-082-0220(2)(a)(C).

3. Commission Rule 350-082-0220(2)(a)(D) states:

   _Any exterior lighting shall be sited, limited in intensity, hooded, and shielded in a manner that prevents lights from being highly visible from key viewing areas and from noticeably contrasting with the surrounding landscape setting, except for road lighting necessary for safety purposes. Shielding and hooding materials shall be composed of non-reflective, opaque materials._

   One exterior light fixture is proposed. According to the application materials, the light fixture uses LED bulbs and is on a timer. The fixture in the application materials is not limited in intensity, hooded, and shielded in a manner that prevents lights from being
highly visible from KVAs. A condition of approval is included that requires the fixture to meet these standards.


5. Commission Rule 350-082-0220(2)(a)(F) states:

   Structures within one-half mile of a key viewing area and topographically visible from the key viewing area shall be sited, screened and designed to achieve the applicable scenic standard (e.g., visual subordinance, not visually evident).

The proposed development is located over a mile north of SR 14 and is not located within a half mile of any KVA. Commission Rule 350-82-0220(2)(a)(F) is not applicable.

**Scenic Resources Conclusion:**

The proposed development is consistent with the expedited review guidelines for scenic resources in Commission Rule 350-81-0220.

**C. CULTURAL RESOURCES**


   The expedited development review process shall only be used to review proposed development that does not require a reconnaissance survey or historic survey as determined by 350-082-0620(2)(a)(A).

Chris Donnermeyer, Heritage Resources Program Manage for the Columbia River Gorge National Scenic Area, provided a cultural resources survey determination for the proposed development on August 11, 2022. Mr. Donnermeyer determined that the proposed development does not require a reconnaissance survey or historic survey pursuant to Commission Rules 350-81-540(1)(c)(A) and (B) because the proposal would occur on a site that has been adequately surveyed in the past, would not alter the exterior architectural appearance of significant buildings and structures that are 50 years old or older, and would not compromise features of the surrounding area that are important in defining the historic or architectural character of significant buildings or structures that are 50 years old or older.

2. Commission Rule 350-082-0220(2)(b)(B) states:

   The GMA guidelines that protect cultural resources and human remains discovered during construction (350-082-0620(6) and (7)) shall be applied as conditions of approval for all development approved under the expedited development review process, including development in the SMAs.
Commission Rule 350-082-0620(6) protects cultural resources discovered during construction, and Commission Rule 350-082-0620(7) contains provisions addressing discovery of human remains during construction. Conditions of approval are included in the director’s decision consistent with these rules.

Cultural Resources Conclusion

With conditions protecting unknown cultural resources and human remains discovered during construction, the proposed development is consistent with the expedited review guidelines for cultural resources in Commission Rule 350-82-0220.

D. NATURAL RESOURCES

1. Commission Rule 350-082-0220(2)(d) includes natural resource protection provisions for uses eligible for the expedited review process. Proposed developments reviewed using the expedited review process must comply with the resource protection guidelines to be eligible for expedited review.

2. Commission Rule 350-082-0220(2)(d)(A) contains guidelines for the protection of water resources. It states:

   The development is outside buffer zones for wetlands, streams, rivers, ponds, and lakes. This guideline shall not apply to lot line adjustments or development located inside road, utility or railroad rights-of-way or easements that have been previously disturbed and regularly maintained.

   Intermittent streams originate above the communication site and pass to the west and east. Pursuant to Commission Rule 350-082-0640(6)(g), intermittent streams have 50-foot buffers. The proposal is located more than 400 feet from any stream and outside buffer zones. The proposal will not be located within the vicinity of any wetlands, rivers, ponds, or lakes. Given this information, the proposed development is consistent with 350-082-0220(2)(d)(A)

3. Commission Rule 350-082-0220(2)(d)(B) contains guidelines for consistency with the expedited review process for the protection of sensitive wildlife and sensitive plants. It states:

   Sensitive Wildlife and Rare Plants
   The development meets one of the following:
   (I) The development is at least 1,000 feet from known Priority Habitats or sensitive wildlife sites (excluding sensitive aquatic species and deer and elk winter range) and known rare plants.
   (II) The development does not disturb the ground or is inside road, utility or railroad rights-of-way or easements or other areas that have been previously disturbed and regularly maintained.
   (III) For sensitive wildlife, the development is within 1,000 feet of known Priority Habitats or sensitive wildlife sites (excluding sensitive aquatic species and deer and elk winter range), but an appropriate federal or state wildlife agency determines the Priority Habitat or sensitive wildlife site is not active,
the proposed development would not compromise the integrity of the Priority Habitat or wildlife area, or the proposed development would not occur during the time of the year when wildlife species are sensitive to disturbance.

(IV) For rare plants, the development is within 1,000 feet of known rare plants, but the Oregon Biodiversity Information Center or Washington Natural Heritage Program or a person with recognized expertise in botany or plant ecology hired by the applicant has determined that the development would be at least 200 feet from the rare plants.

Development eligible for expedited review shall be exempt from the field survey requirements for sensitive wildlife or rare plants in 350-082-0650(1)(d) and (2) and 350-082-0660(1)(d) and (2).

There are no known sensitive plants or wildlife areas or sites on the subject property or within 1,000 feet. The development will occur within a fenced area that has been used and maintained as a telecommunications site. As such, the site has been previously disturbed and regularly maintained. The proposed addition is consistent with the natural resource protection measures in Commission Rule 350-082-0220(2)(d)(B).

Natural Resources Conclusion:

The proposed development is consistent with the expedited review use guidelines in Commission Rule 350-082-0220(1)(d) that protects natural resources in the National Scenic Area.

E. RECREATION RESOURCES

1. Commission Rule 350-082-0220(2)(c)(A) requires new development approved under the expedited review process to not detract from the use and enjoyment of recreation sites on adjacent parcels.

No established recreation sites exist on adjacent properties.

Recreation Resources Conclusion:

The proposed development is consistent with Commission Rule 350-082-0220(1)(c)(A) that protects recreation resources in the National Scenic Area.

F. TREATY RIGHTS PROTECTION


2. Commission Rule 350-082-0220(2)(e)(A) states:

   Proposed developments shall not affect or modify any treaty or other rights of any Indian tribe.

The proposal will not affect or modify treaty or other rights of any Indian tribe, consistent with this rule.
3. Commission Rule 350-082-0220 (2)(e)(B) states:

   The expedited development review process shall cease and the proposed
development shall be reviewed using the full development review process if a
tribal government submits substantive written comments during the comment
period that identify the treaty rights that exist in the project vicinity and
explain how they would be affected or modified by the proposed development.

   No substantive comments were received.

**Treaty Rights Conclusion:**

   The proposed development is consistent with the treaty rights protection guidelines for

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