

Exhibit No. ___ JLB-3
Dockets UE-141335
Witness: Jason L. Ball

**BEFORE THE
WASHINGTON STATE UTILITIES AND TRANSPORTATION COMMISSION**

DOCKET UE-141335

In the Matter of the

**Petition of King County, Washington,
BNSF Railway, Frontier Communications
Northwest, Inc., Verizon Wireless, and
New Cingular Wireless PCS, LLC. For a
Declaratory Order to address the
degradation of service from Puget Sound
Energy due to the physical deterioration
of the Maloney Ridge Line underground
cable.**

TESTIMONY OF

JASON L. BALL

**STAFF OF
WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION**

Maintenance Options for the Maloney Line

November 19, 2014

Maloney Ridge Maintenance Estimates

Option 1	
"Description"	Silicon injection to Soblesky and Maloney cable and Install new poly cable whole project
Management & Engineering	\$225,000
Permitting	\$150,000
Materials	\$250,000
Construction	\$5,191,000
Subtotal CAP	\$5,816,000
Construction OH's @ 20%	\$1,088,200
Sales Tax 9.5%	\$552,520
10% Contingency	\$581,600
Rounded Total	\$8,100,000
2013 Costs	\$810,000
2014 Costs	\$7,290,000

Assumptions:

Decision Memo from Forest Service
 Least cost trenching method
 Can cut down center of road
 Can clean current splices to inject silicon
 Assumes neutral is still good
 Assumes replacement of 77 culverts

100% road regrade

No rock saw required
 Re-use any bridge crossing

Outages will be allowed for cutovers
 Road restoration beyond trench line not required

40% of excavated materials can be reused for backfill

Only 1 flagger required at base of hill
 All locations are accessible by vehicle, no additional road building required
 one mob/demob
 permanent road closure allowed

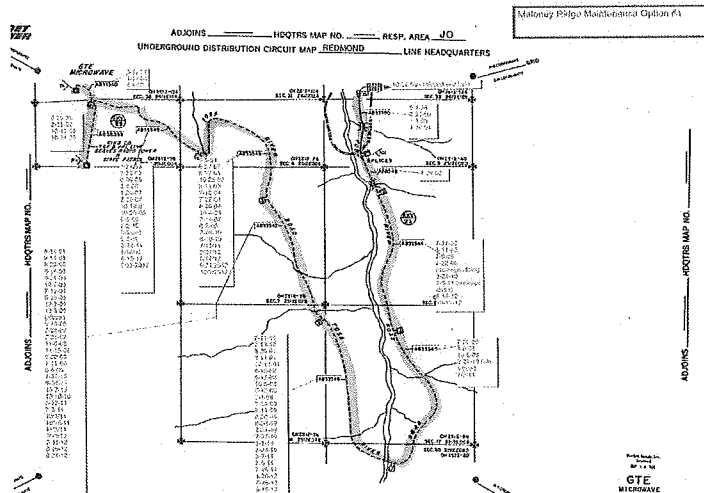
Not Included:

Influences on cost:

Solid Rock

Customers to share Cost

BNSF
 Maloney Association
 Frontier
 King County



Maloney Ridge Maintenance Estimates

Option 2	
"Description"	Silicon injection to Sobiesky and Maloney cable and Install new poly cable down to Foss River Bridge
Management & Engineering	\$225,000
Permitting	\$150,000
Materials	\$250,000
Construction	\$4,670,000
Subtotal CAP	\$5,295,000
Construction OH's @ 20%	\$984,000
Sales Tax 9.5%	\$503,025
10% Contingency	\$529,500
Rounded Total	\$7,400,000
2013 Costs	\$740,000
2014 Costs	\$6,660,000

Assumptions:

- Decision Memo from Forest Service
- Least cost trenching method
- Can cut down center of road
- Can clean current splices to inject silicon
- Assumes neutral is still good
- Assumes replacement of 77 culverts

100% road regrade

- No rock saw required
- Re-use any bridge crossing

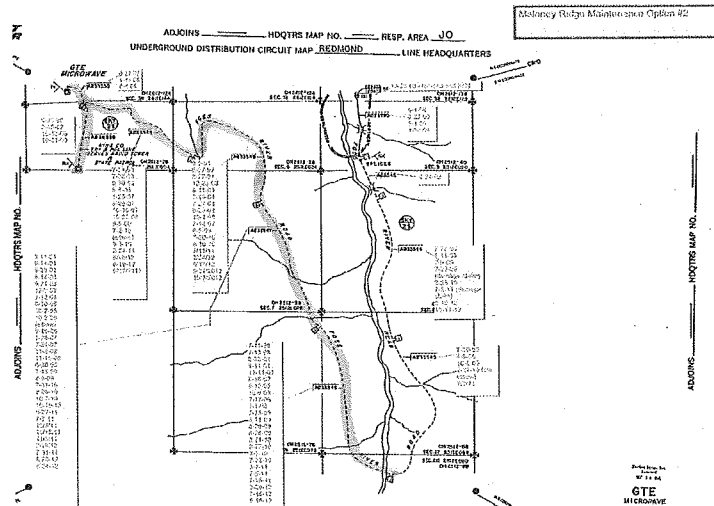
- Outages will be allowed for cutovers
- Road restoration beyond trench line not required
- 40% of excavated materials can be reused for backfill
- Only 1 flagger required at base of hill
- All locations are accessible by vehicle, no additional road building required
- one mob/demob
- permanent road closure allowed

Not Included:

- Influences on cost:**
Solid Rock

Customers to share Cost

- Maloney Association
- Frontier
- King County



Maloney Ridge Maintenance Estimates

Option 3	
"Description"	Replace 4 worst cable Segments (33546,33547,33548,33549)
Management & Engineering	\$348,000
Permitting	\$150,000
Materials	\$170,000
Construction	\$1,758,000
Subtotal CAP	\$2,426,000
Construction OH's @ 20%	\$385,600
Sales Tax 9.5%	\$230,470
10% Contingency	\$242,600
Rounded Total	\$3,300,000
2013 Costs	\$330,000
2014 Costs	\$2,970,000

Risk/Assumptions:

Decision Memo from Forest Service
 Least cost trenching method
 Can cut down center of road
 100% road regrade
 No rock saw required
 Re-use any bridge crossing

Outages will be allowed for cutovers

Road restoration beyond trench line not
 40% of excavated materials can be reused
 for backfill

Only 1 flagger required at base of hill
 All locations are accessible by vehicle, no
 additional road building required
 one mob/demob

permanent road closure allowed

Not Included:

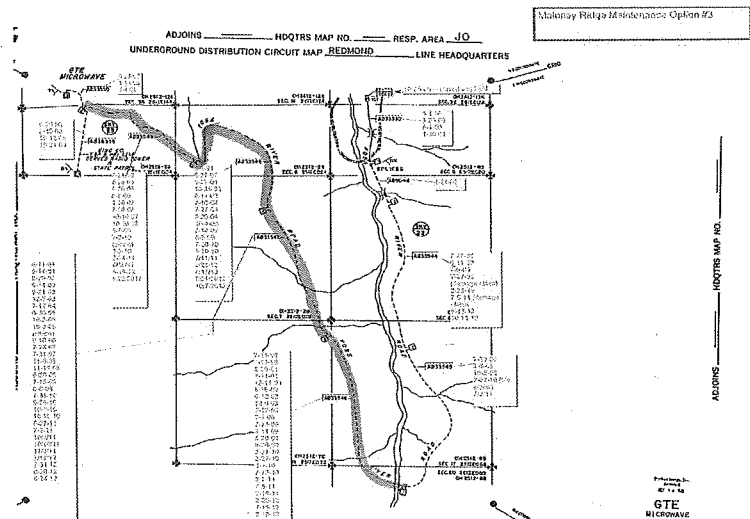
culvert crossings not included

Influences on cost:

Solid Rock

Customers to share Cost

Maloney Association
 Frontier
 King County



Maloney Ridge Maintenance Estimates

Option 4	
"Description"	Install new cable from Foss River Bridge to BNSF OH Pole
Management & Engineering	\$225,000
Permitting	\$150,000
Materials	\$200,000
Construction	\$940,000
Subtotal CAP	\$1,515,000
Construction OH's @ 20%	\$228,000
Sales Tax 9.5%	\$143,925
10% Contingency	\$151,500
Rounded Total	\$2,100,000
2013 Costs	\$210,000
2014 Costs	\$1,890,000

Assumptions:

- Decision Memo from Forest Service
- Least cost trenching method
- Can cut down center of road
- 100% road regrade
- No rock saw required
- Re-use any bridge crossing

Outages will be allowed for cutovers

- Road restoration beyond trench line not
- 40% of excavated materials can be reused for backfill
- one mob/demob
- permanent road closure allowed

Not Included:

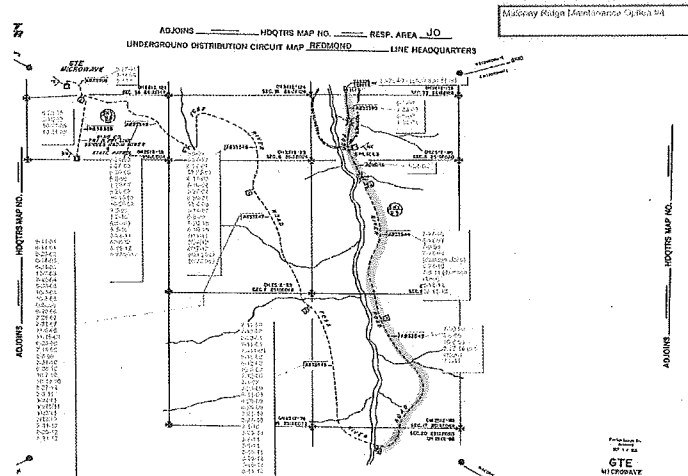
- culvert crossings not included

Influences on cost:

- Solid Rock

Customers to share Cost

- BNSF
- Maloney Association
- Frontier
- King County



Maloney Ridge Maintenance Estimates

Option 5	
"Description"	Replace cables to Sobieski and Maloney (33550, 38338)
Management & Engineering	\$174,000
Permitting	\$150,000
Materials	\$114,000
Construction	\$1,727,000
Subtotal CAP	\$2,165,000
Construction OH's @ 20%	\$368,200
Sales Tax 9.5%	\$205,675
10% Contingency	\$216,500
Rounded Total	\$3,000,000
2013 Costs	\$300,000
2014 Costs	\$2,700,000

Risk/Assumptions:

- No rock saw required
- re-use bridge xings
- outages will be allowed for cutover
- permanent road closure allowed
- Road restoration beyond trench line
- 40% of excavated material can be re-used for backfill
- all locations are accessible by vehicle,
- no additional road building required

one mob/demob

Not Included:

- culvert xings not included
- No tree or stump removals

Influences on cost:

Solid Rock

Customers to share Cost

- Maloney Association
- Frontier
- King County

