Energize Eastside

South Sub-Area Workshop #2

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April 24, 2014

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Agenda

- Project overview
- Recap of public process
- What was heard in workshop #1
- Data presentation
- Clarifying questions on data presented
- Individual evaluation of segments
- Group evaluation of segments
- Message to the Sub-Area Committee

Energize Eastside overview

- Growth is straining our region's existing transmission system
- Conservation alone is not enough
- We need to act now
- We will work with the community to identify solutions

Energize Eastside will build new electric transmission infrastructure to ensure dependable power

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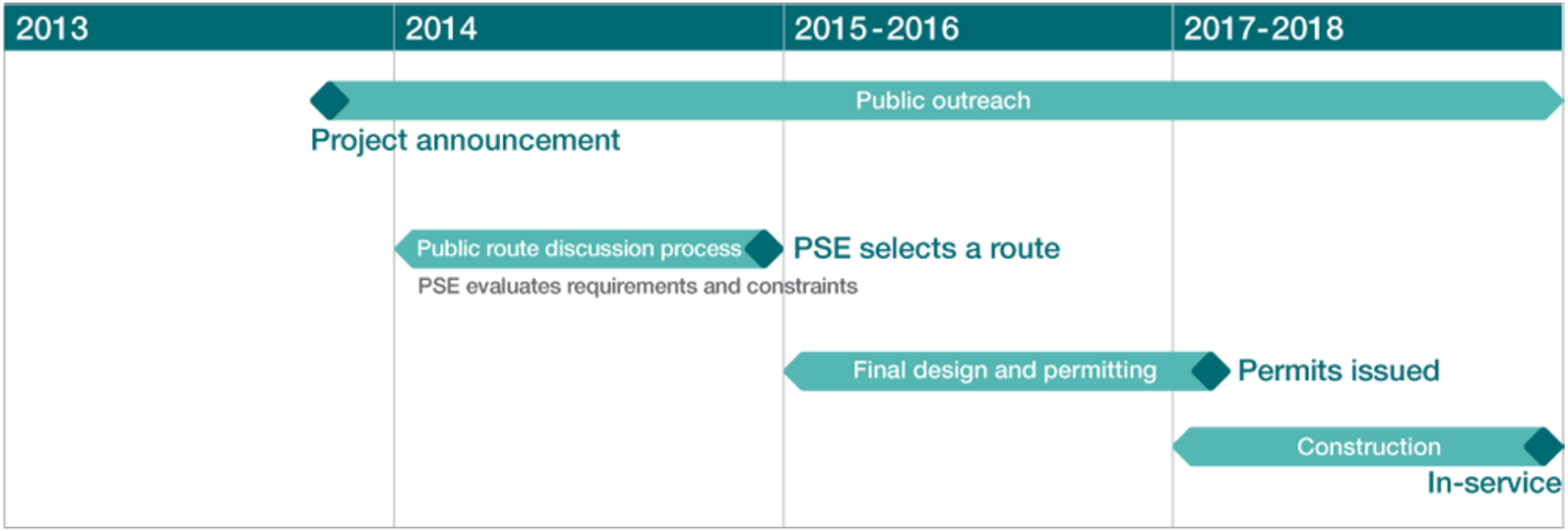
Project schedule



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Opportunities for public involvement

Community Advisory Group | Meetings | Other Opportunities

Workshop #1: Examine route segments and identify evaluation factors

Workshop #2: Score each segment

Sub-Area Committee Meeting: Committee reviews outcomes and develops findings for advisory group

WINTER			FALL
1 Education	**2** Ide or		**4** Recommended route
Learn about electric system and project need (COMPLETED)	Develop sub-area segment input for full Community Advisory Group discussion	options	ommunity Meeting #3 Feedback on Community Advisory Group recommended route
Community Meeting #1 Feedback on project need, potential segments and route selection process (COMPLETED)	• Discu conc • D	ommunity ity values cess ns to d route	• Discuss community concerns • Consider public input and validate recommended route and provide route recommendation to PSE for consideration
• Discuss community concerns • Learn about the factors involved in developing the route segments (COMPLETED) • Bus tour of project area			

Neighborhood and community group briefings, fairs and festivals, public kiosks, online surveys

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Sub-area meeting series

- Workshop #1 – Public examines route segments and identify factors to evaluate segments
- **Workshop #2 – Public scores each segment based on factors discussed in workshop #1**
- Sub-Area Committee Meeting – Sub-Area Committee members review the public's work from workshop #1 and #2 and develop findings for Community Advisory Group, while the public observes.

Workshop #2 purpose and goals

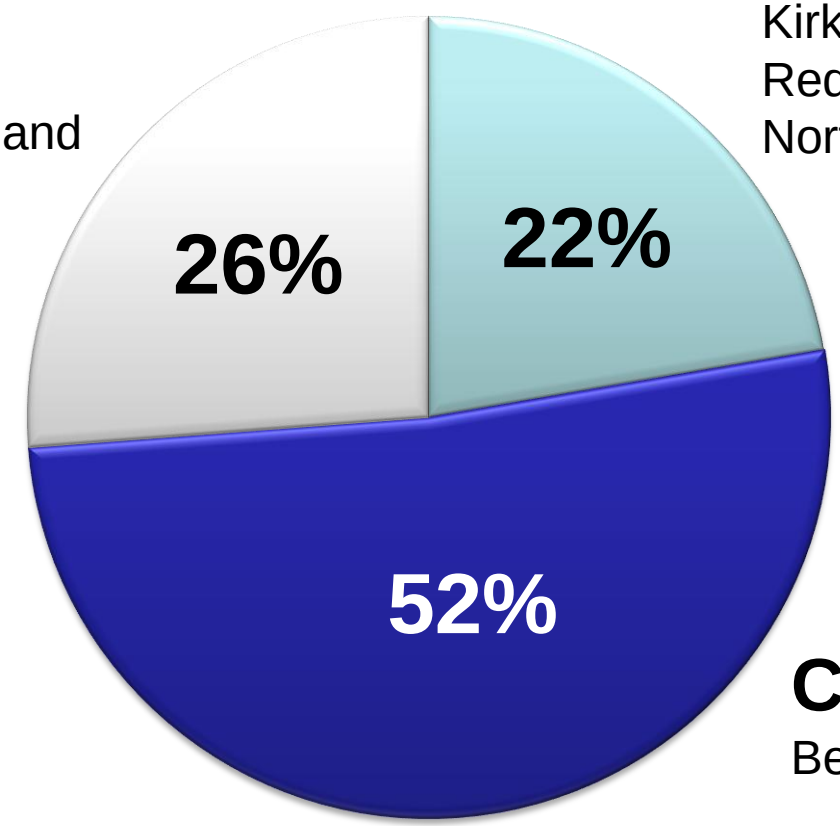
- Review information gathered at workshop #1
- Review data provided by PSE
- Use evaluation factors developed from workshop #1 to individually score the route segments

How we received feedback

- South Sub-Area Workshop #1
- Online survey

Survey results

What sub-area are you?



North
Kirkland, Redmond and North Bellevue

South
Newcastle and Renton

Central
Bellevue

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Key issues results

For the potential route segments in the south sub-area, what key issues should the Sub-Area Committee consider?

Issue	Survey total	Workshop total	Cumulative total
Property values	13	51	64
Visual impacts	11	38	49
Aesthetics	10	37	47
Electromagnetic Fields (EMF)	13	29	42
Residential impacts	11	29	40
Environmental impacts	13	27	40

Segment K1 and K2

Specific information identified

- Birds and wildlife along green belt of Cougar Mt. Park

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Segment L

Specific information identified

- Four popular public parks: Coulon Park, May Creek Park, Kennydale Beach, Newcastle Beach
- Existing Shoreline Management Act and Native American Treaty rights
- Slope instability
- View rights

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Segment M

Specific information identified

- Olympic Pipeline
- Historic miners cemetery
- No more easement space
- Close proximity to homes
- Bedrock and soil instability
- Views
- Seattle Revival Center

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Segment N

Specific information identified

- Old underground coal mines in this area; potential for sinkholes

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What we heard in workshop #1

- *Eastside rail corridor "ERC" conflicts with multi-use bike trails, path, light rail*
- *Which route has least new impact on eagle / falcon habitat, wetlands*
- *Real impact on property values*
- *Olympic Pipeline in middle of corridor*
- *Number of trees impacted*
- *Views of Lake Washington and Bellevue*

Evaluation factors

- Least proximity to sensitive community land uses

  (parks, beaches and trails, other uses of the corridor)

- Least proximity to sensitive environmental areas

  (wildlife, wetlands, streams)

- Least proximity to residential areas

  (number of residences, noise)

Evaluation factors

Most protective of health and safety

(EMF, Olympic pipeline, geologic events)

- Least proximity to mature vegetation

  (number of trees impacted)

- Least effects on aesthetics

  (pole design, visual impacts, etc.)

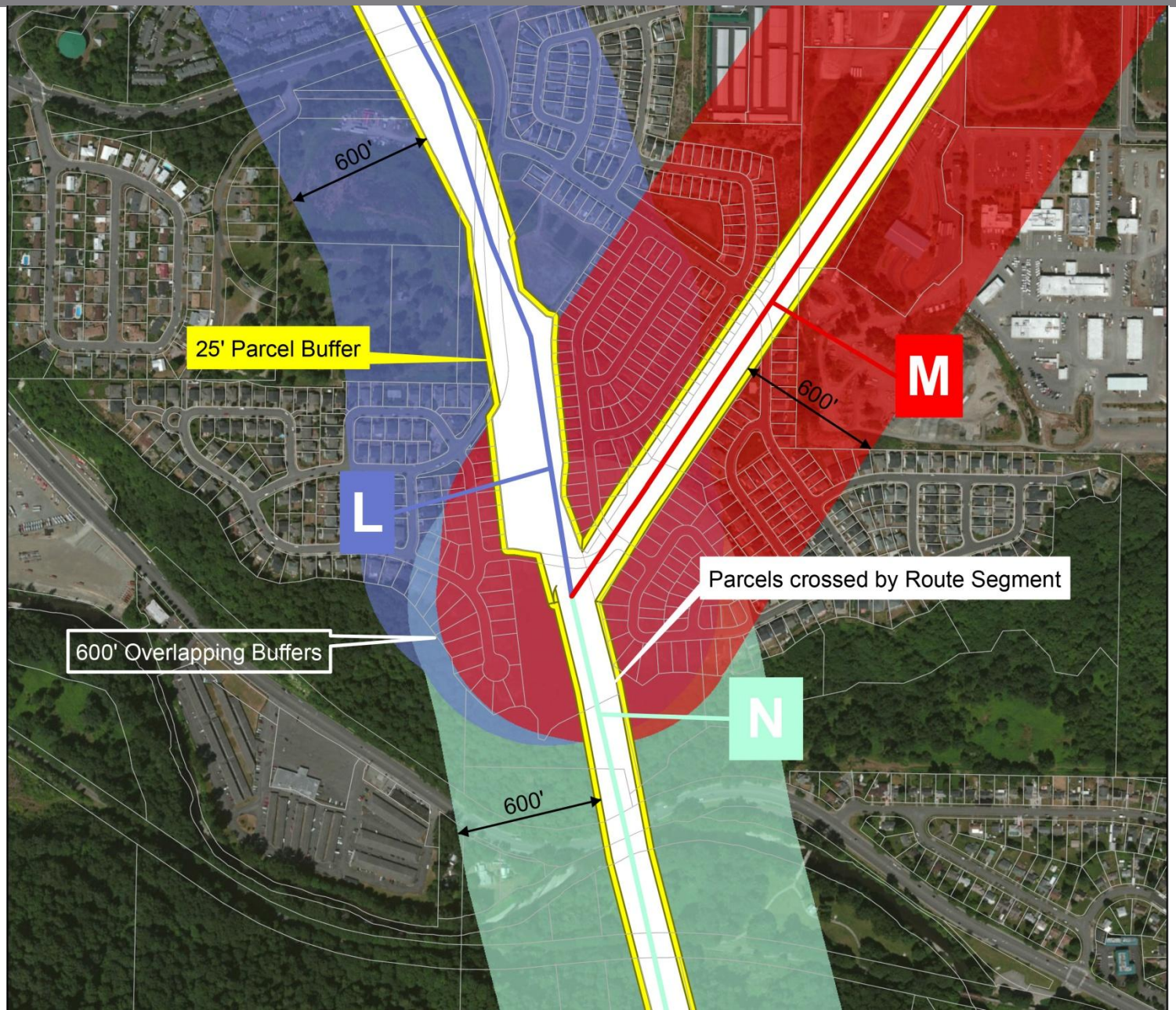
Key themes and evaluation factors

What we heard	Evaluation factors
Eastside rail corridor "ERC" conflicts with multi-use bike trails, path, light rail	Least proximity to sensitive community land uses
Which route has least new impact on eagle / falcon habitat, wetlands	Least proximity to sensitive environmental areas
Real impact on property values	Least proximity to residential areas
Views of Lake Washington and Bellevue	Least effect on aesthetics
Olympic Pipeline in middle of corridor	Most protective of health and safety
Number of trees impacted	Least impact to mature vegetation

Segment information

- Data tables
- Visual conditions and graphic representations
- Clarifying questions

Buffers


600'
25' Parcel Buffer
600'
M
L
Parcels crossed by Route Segment
600' Overlapping Buffers
N
600'

Buffers


600'
L
600' Overlapping Buffer
25' Parcel Buffer
Parcels crossed by Route Segment

Scoring sheet

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South Sub-Area Workshop #2

Segment Scoring Sheet

4/24/2014

Instructions: Please score each of the segments in the South Sub-Area for using the evaluation factors below. These evaluation factors were developed during small group discussions at Workshop #1.

Scoring Key

5 points = Best meets the factor (i.e., the segment with the least potential impacts to land uses; the segment most protective of health and safety)
4 points = Meets the factor
3 points = Mostly meets the factor
2 points = Mostly does not meet the factor
1 point = Does not meet the factor at all (i.e., the segment with most potential impacts to land uses; the segment least protective of health and safety)

Evaluation factors	Segment K1	Segment K2	Segment L	Segment M	Segment N
Factor one: Least proximity to sensitive community land uses (parks, beaches and trails, other uses of the corridor)					
Factor two: Least proximity to sensitive environmental areas (eagle, osprey and falcon nesting habitat, wildlife, wetlands and streams)					
Factor three: Least proximity to residential areas (number of residences; noise)					
Factor four: Most protective of health and safety (EMF, Olympic Pipeline, geologic events)					
Factor five: Least proximity to mature vegetation (number of trees impacted)					
Factor six: Least effects on aesthetics (pole design; see graphic representations)					

Visual assessment

The information you see represented in the following graphics are conceptual, and may change pending public, agency and engineering review.

Visual assessment

- Two Graphic Sets

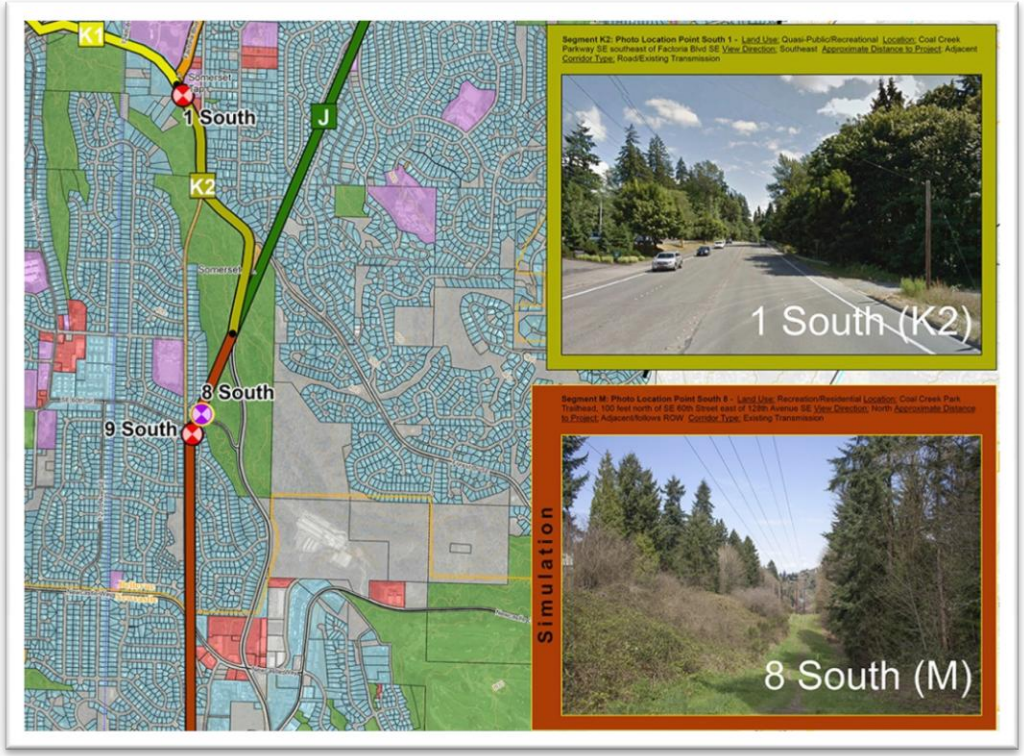
  1) Land Use and Existing Visual Conditions (Large map and at tables)

  2) Graphic Representations (at tables)

     - Photo Simulations

     - 3-D Design Option Corridor Graphics

Land Use Maps



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Land Use Maps

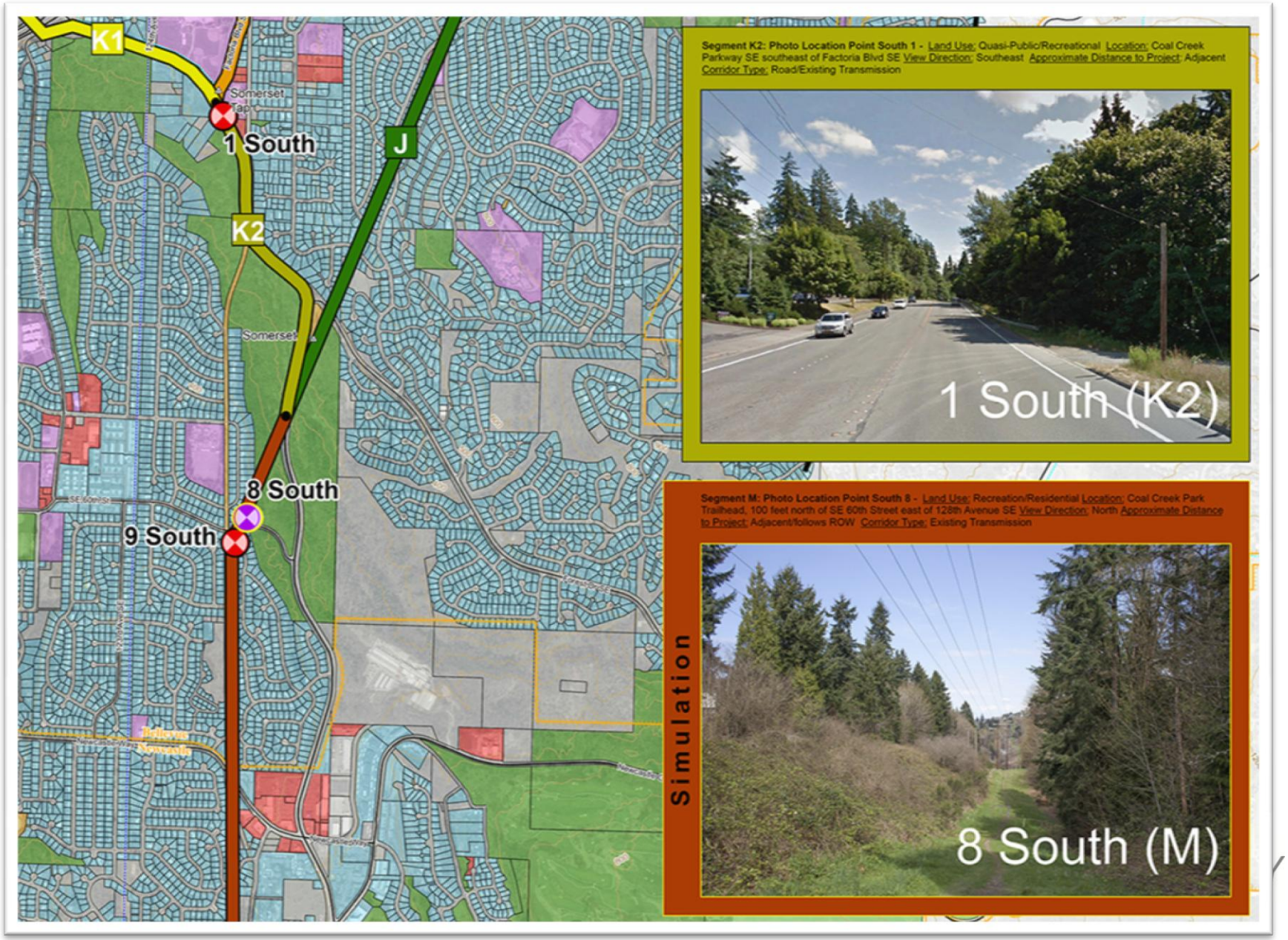

Photo Simulation Examples

Address	12862 SE 60th St
Date	4/1/2014
Time	1:21 PM
Viewing Direction	Northeast
Structure	G2-1

KOP SOUTH 8
SEGMENT M

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Existing Conditions

Conceptual Project

Pole Design Type

Key Observation Point Name

Segment ID

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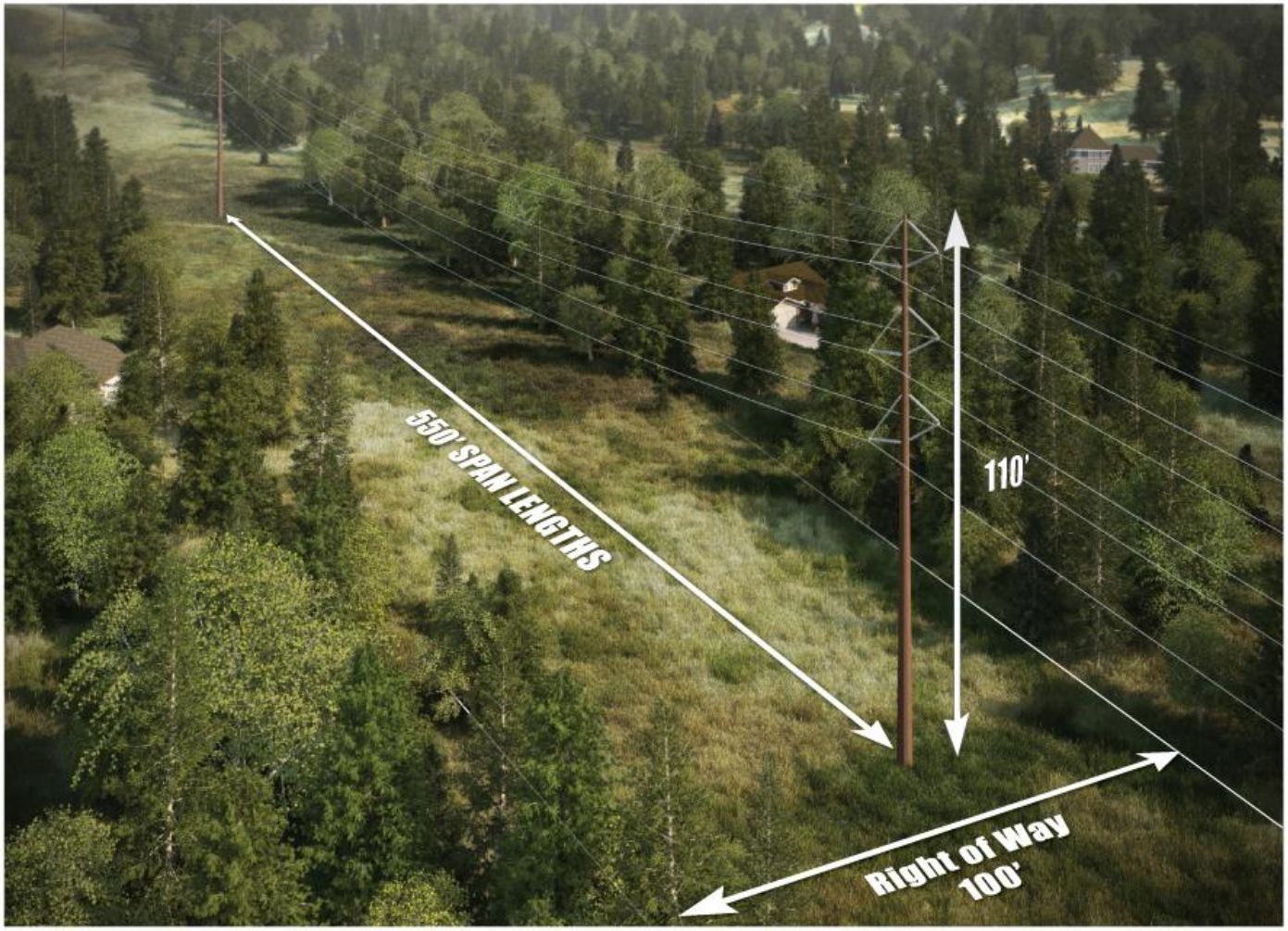
Pole Design Characteristics



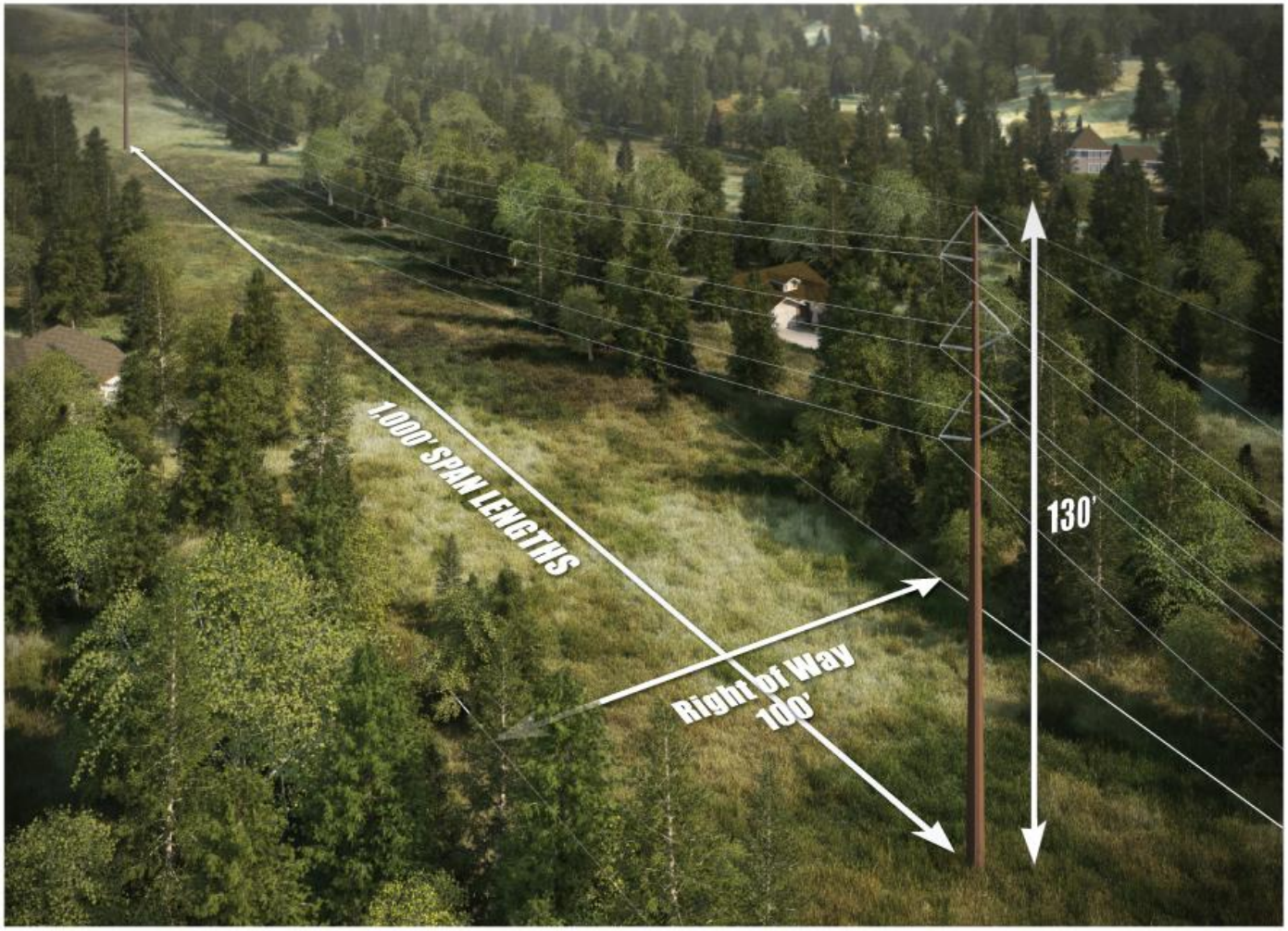
POLE TYPE

G2-5

- Height: 110'
- Right of Way: 100'
- Span Lengths: 550'

Note: Span lengths and heights shown are typical and may vary due to localized site conditions and engineering requirements.

Pole Design Characteristics



POLE TYPE

G2-5

- Height: 130'
- Right of Way: 100'
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Photo Simulation Examples

Cole Creek / Newport Hills Area

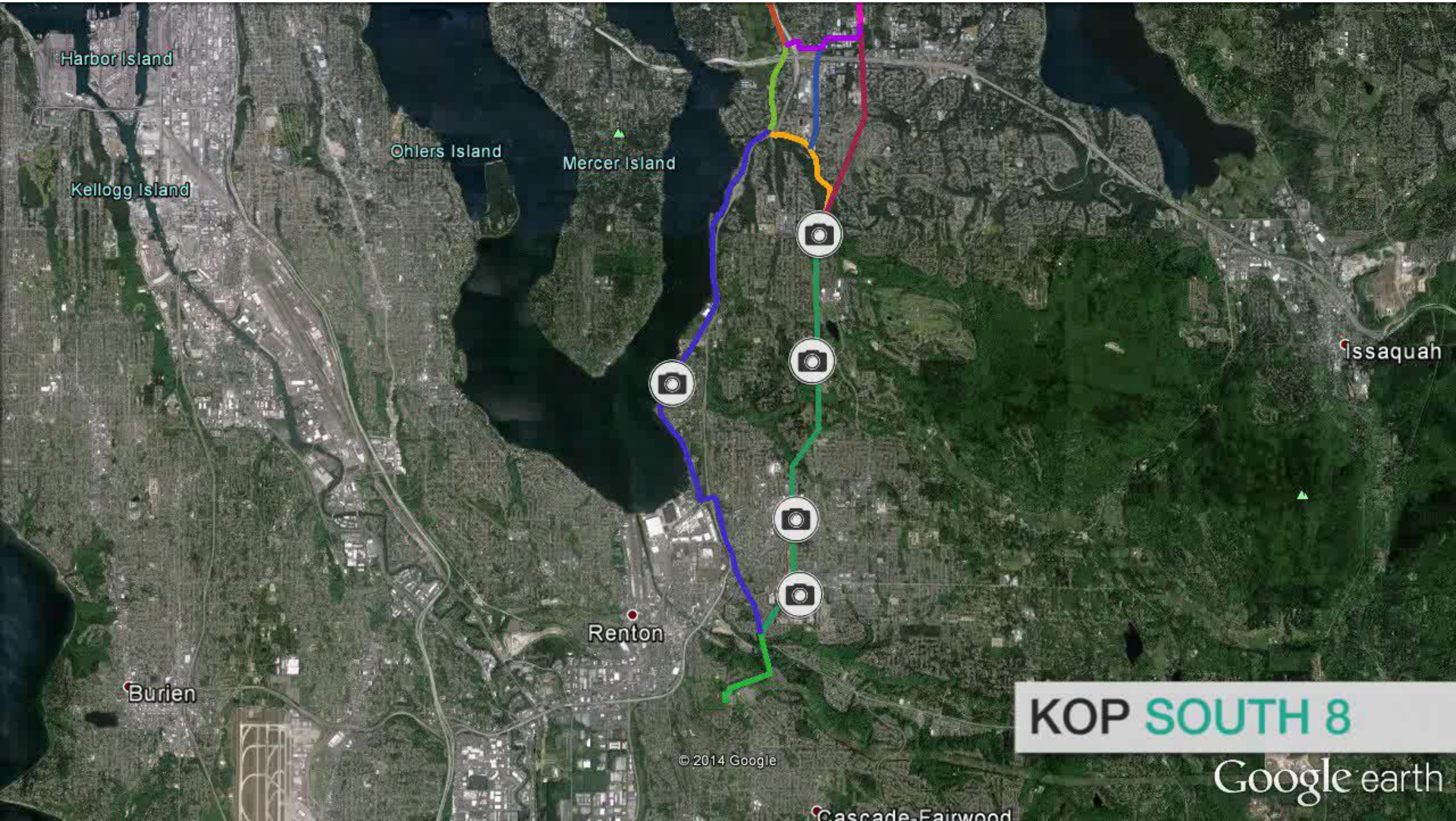

Photo Simulations

Existing Conditions – KOP South 8

Coal Creek Park trailhead

Photo Simulations are for discussion purposes only and may change pending public, regulatory and utility review.

Photo Simulations

Conceptual Project– KOP South 8 (Structure G2-1, G2-5)

Coal Creek Park trailhead

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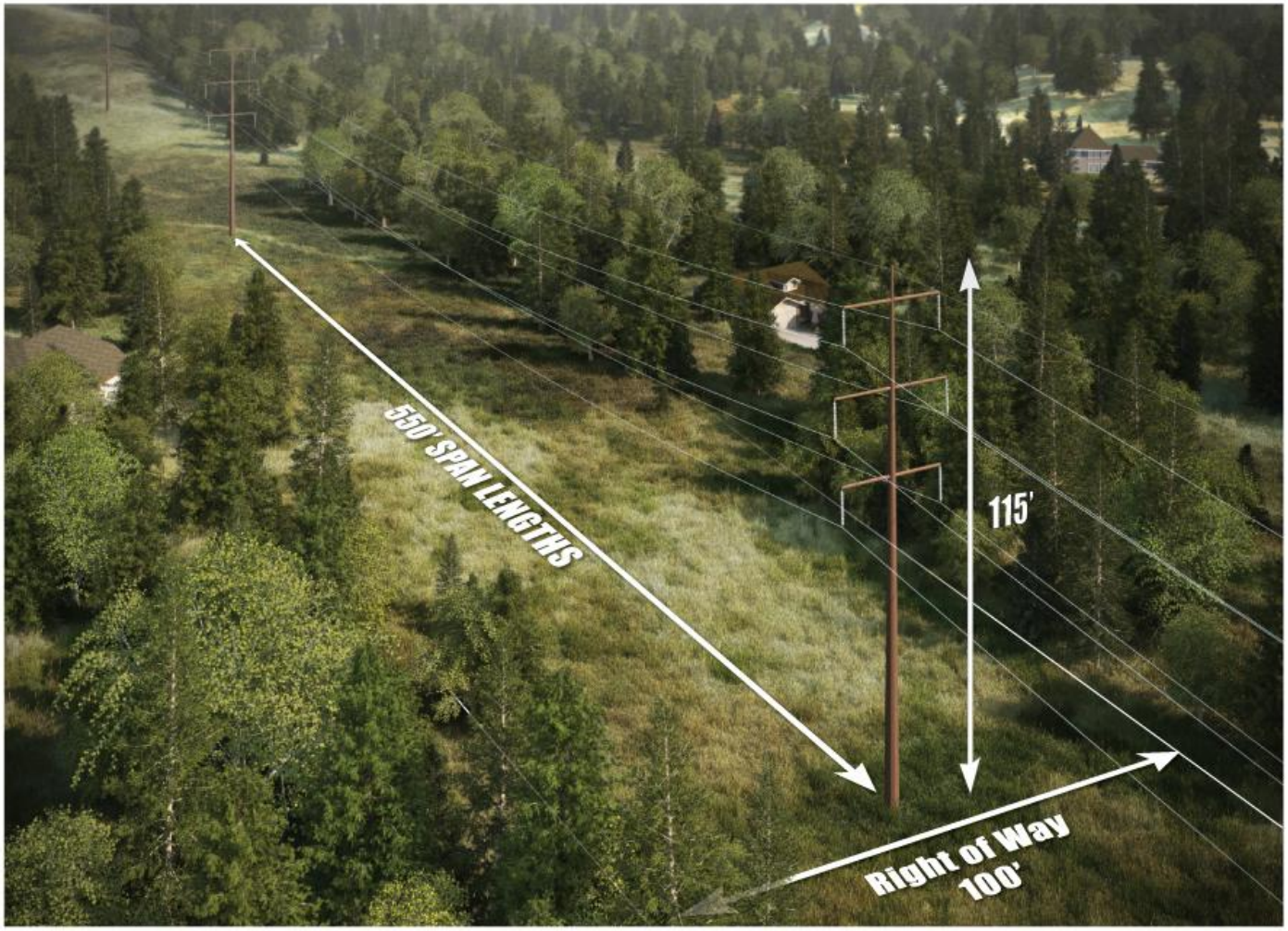
Pole Design Characteristics



POLE TYPE

G2-1

- Height: 115'
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- Span Lengths: 550'

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Photo Simulations

Existing Conditions – KOP South 8

Coal Creek Park trailhead

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Photo Simulations

Conceptual Project– KOP South 8 (Structure G2-5)

Coal Creek Park trailhead

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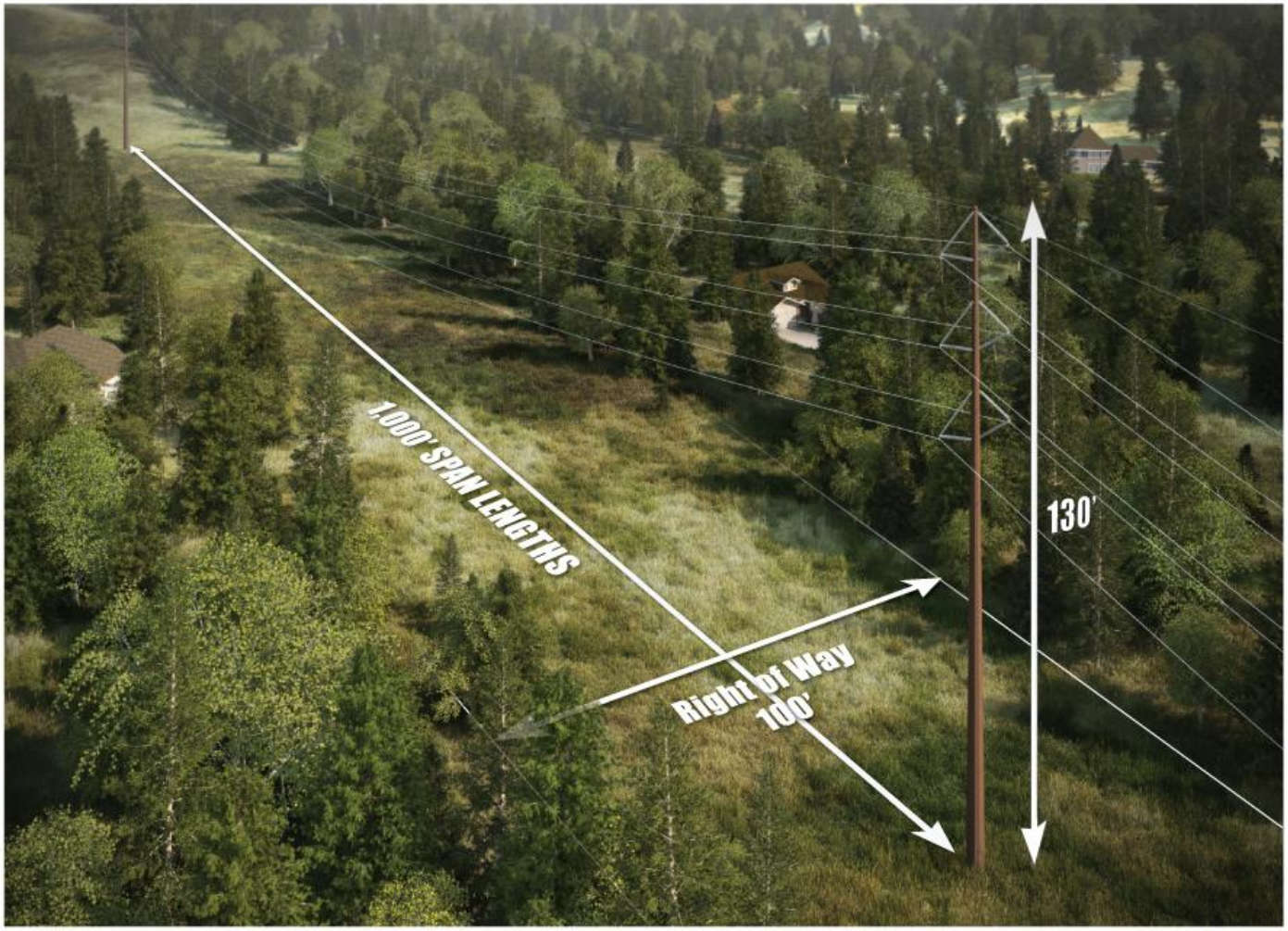
Pole Design Characteristics



POLE TYPE

G2-5

- Height: 130'
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Photo Simulation Examples

127th Place Southeast

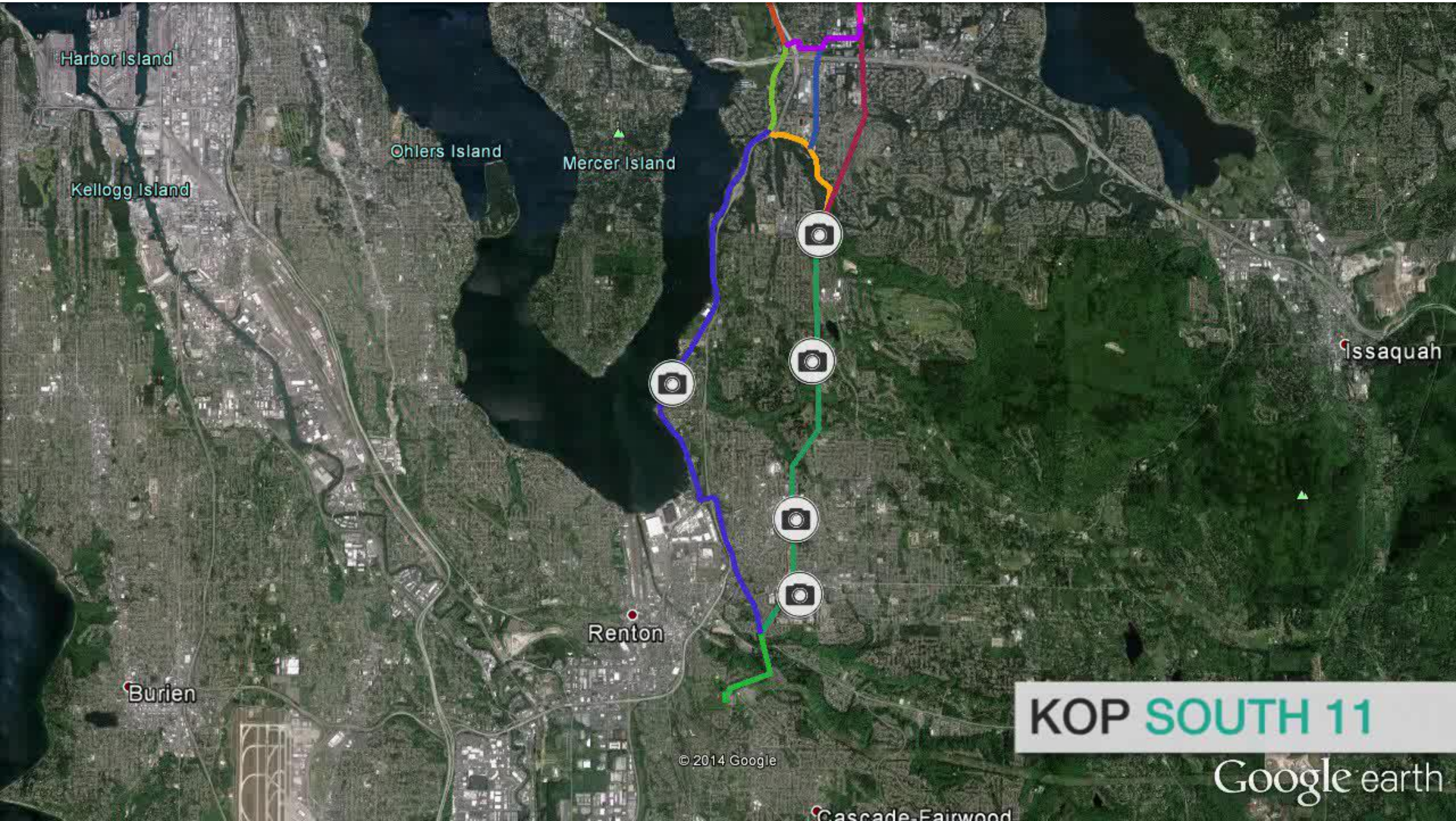

Photo Simulations

Existing Conditions – KOP South11

127th Place Southeast

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Photo Simulations

Conceptual Project – KOP South 11 (Structure G2-1)

127th Place Southeast

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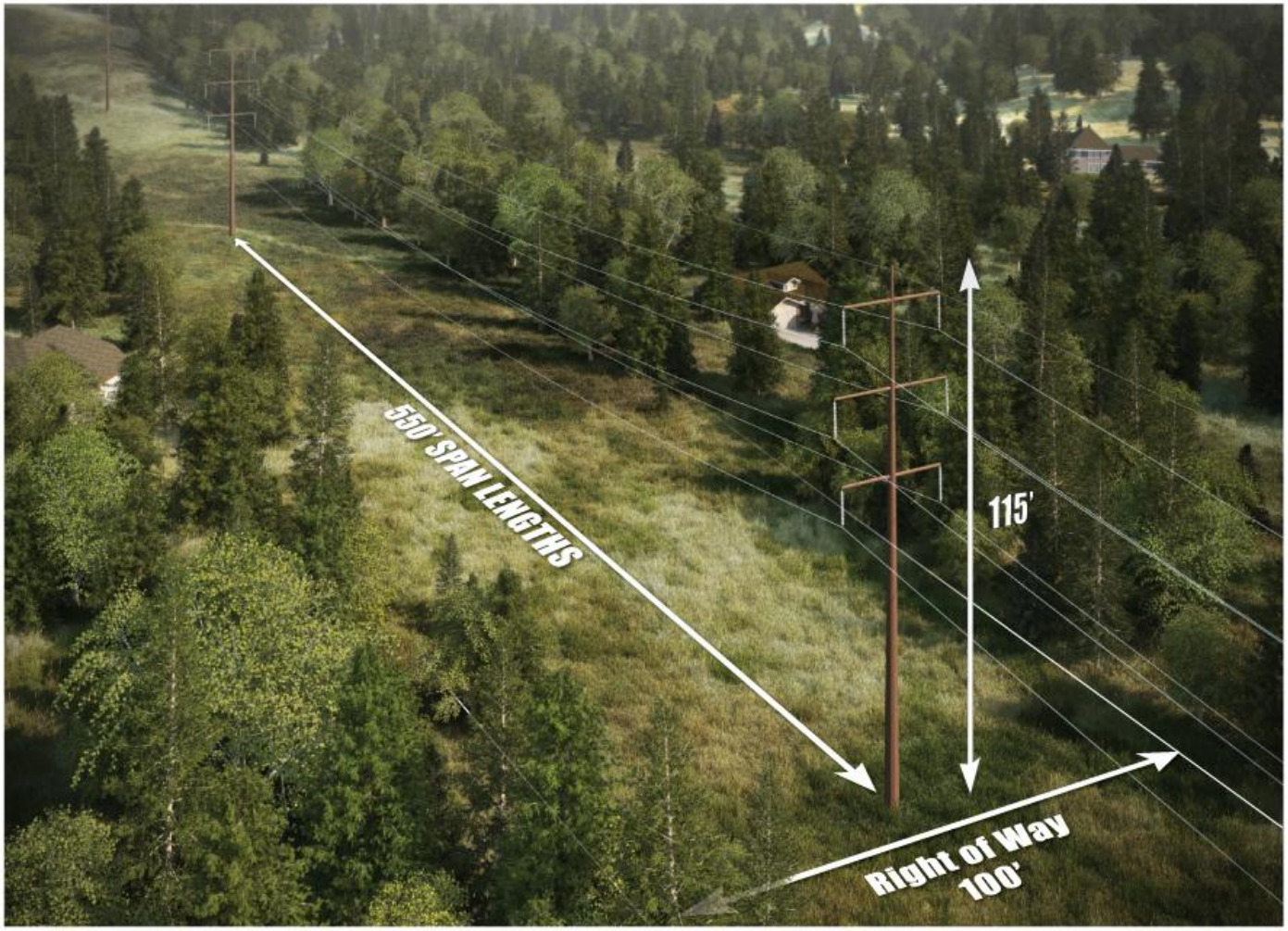
Pole Design Characteristics



POLE TYPE

G2-1

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Photo Simulations

Existing Conditions – KOP South11

127th Place Southeast

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Photo Simulations

Conceptual Project – KOP South 11 (Structure G2-5)

127th Place Southeast

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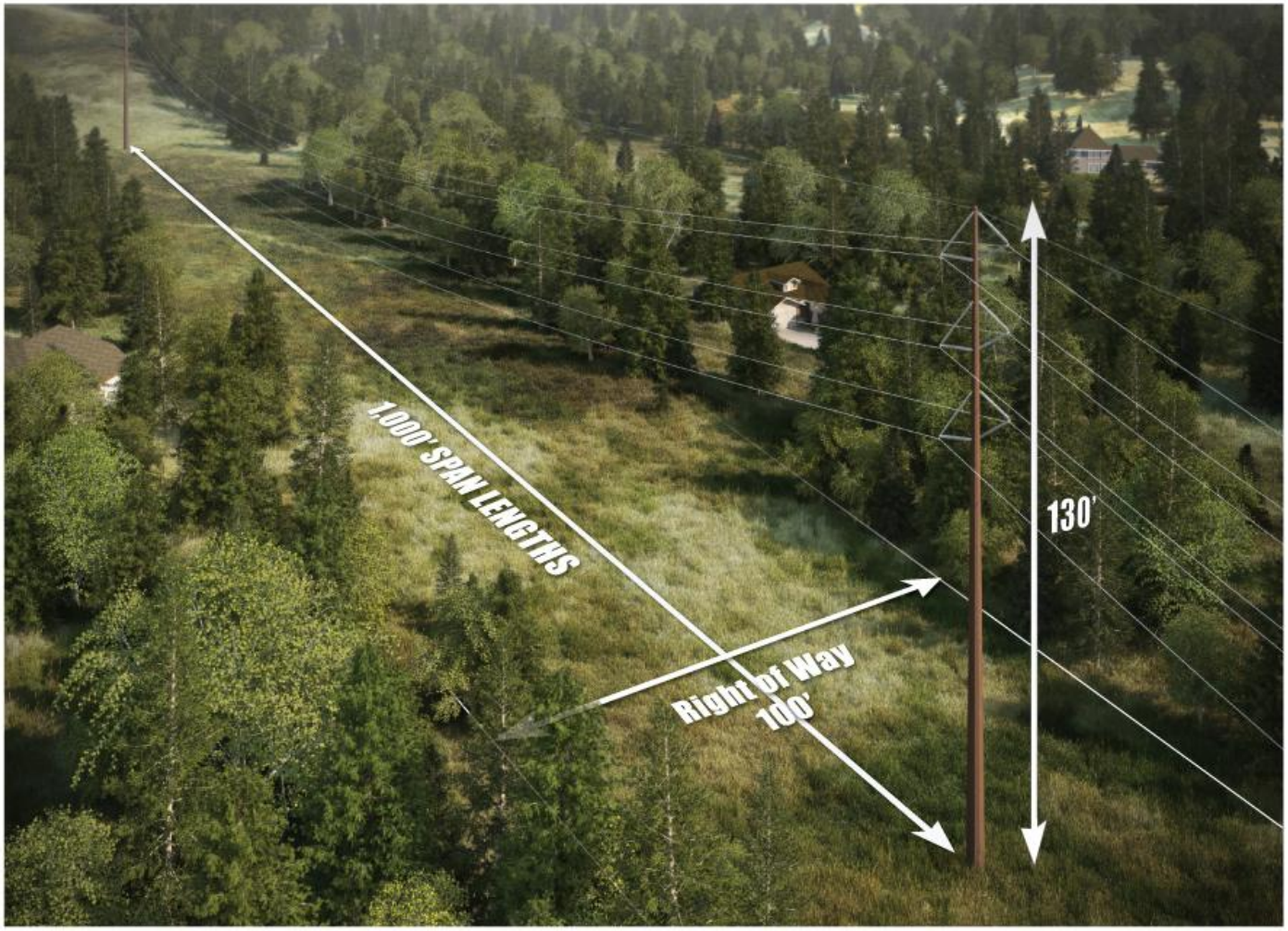
Pole Design Characteristics



POLE TYPE

G2-5

- Height: 130'
- Right of Way: 100'
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Photo Simulation Examples

Monroe Residential

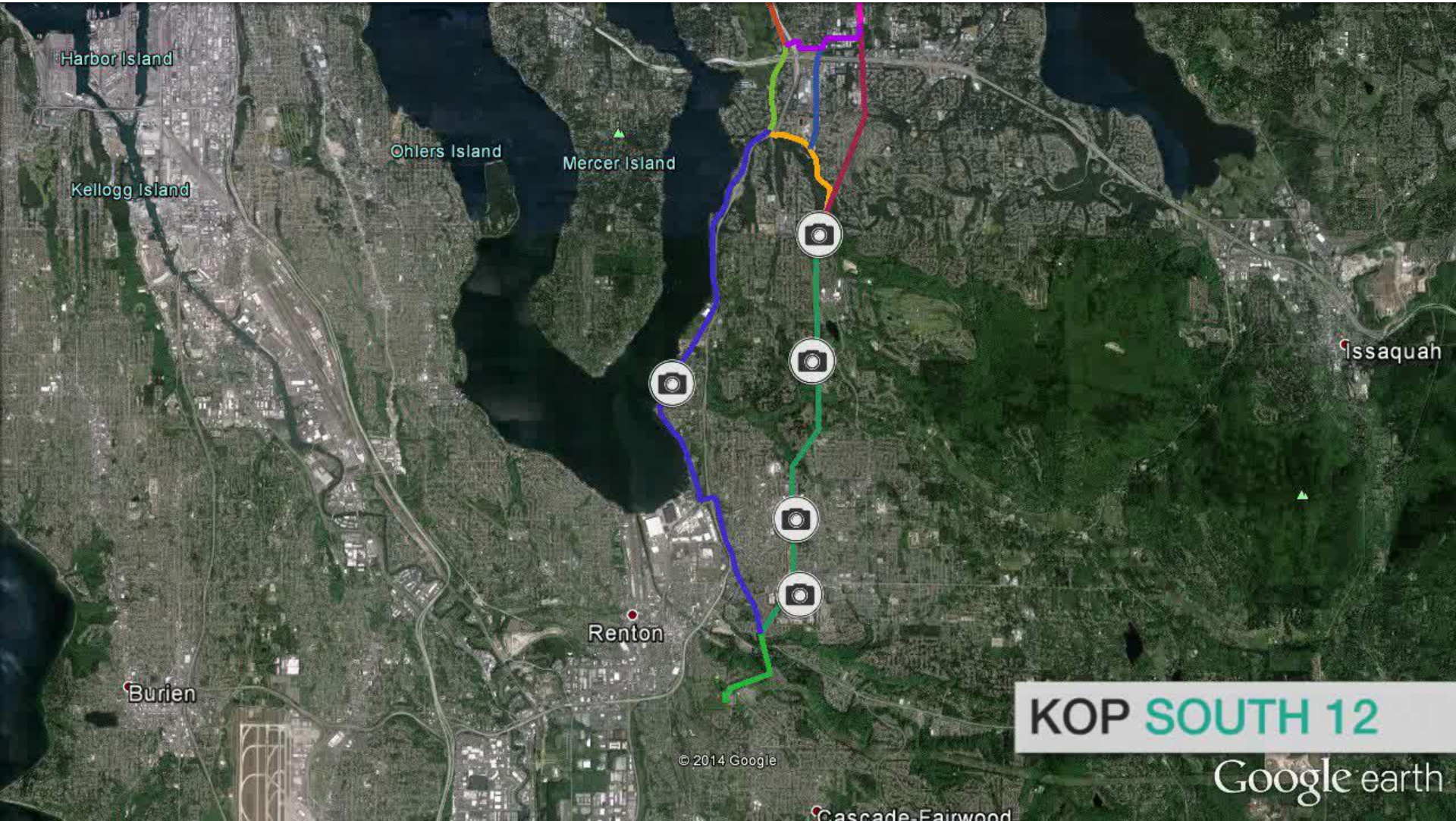

Photo Simulations

Existing Conditions – KOP South 12

Monroe residential

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Photo Simulations

Conceptual Project – KOP South 12 (Structure G2-1)

Monroe residential

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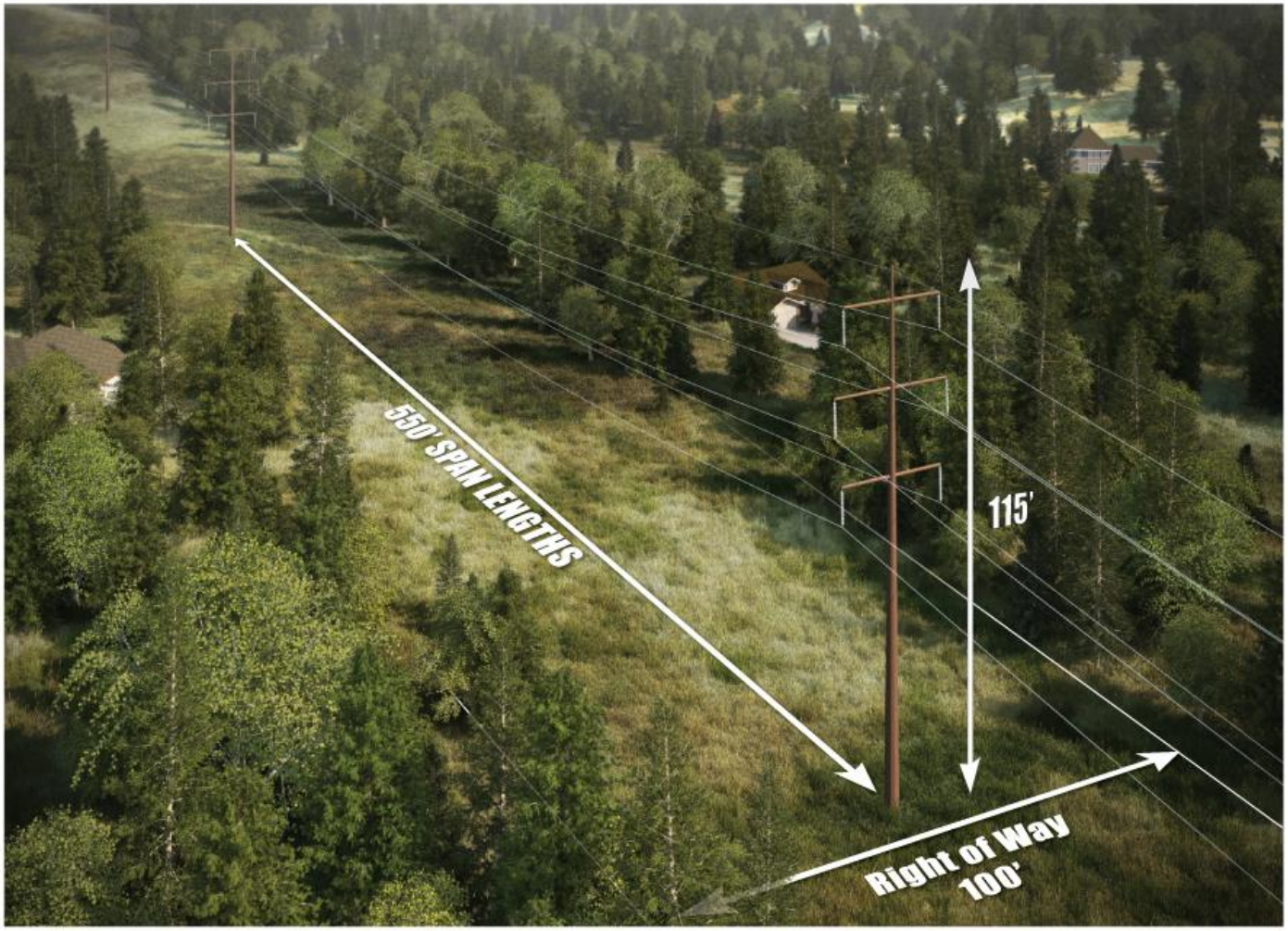
Pole Design Characteristics



POLE TYPE

G2-1

- Height: 115'
- Right of Way: 100'
- Span Lengths: 550'

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Photo Simulations

Existing Conditions – KOP South 12

Monroe residential

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Photo Simulations

Conceptual Project – KOP South 12 (Structure G2-5)

Monroe residential

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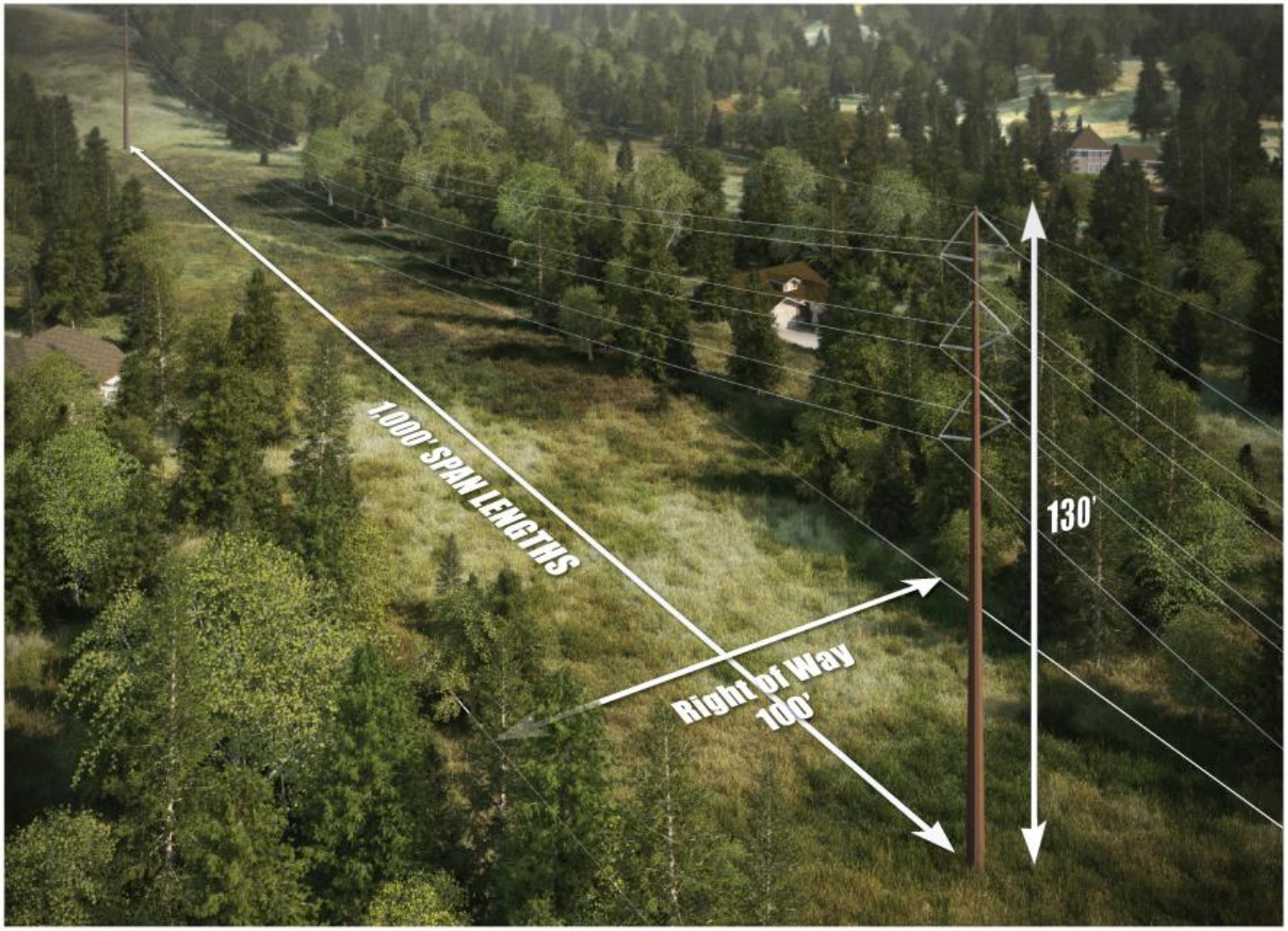
Pole Design Characteristics



POLE TYPE

G2-5

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- Span Lengths: 1,000'

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Photo Simulation Examples

Greenwood Memorial Park (cemetery), Jimi Hendrix memorial

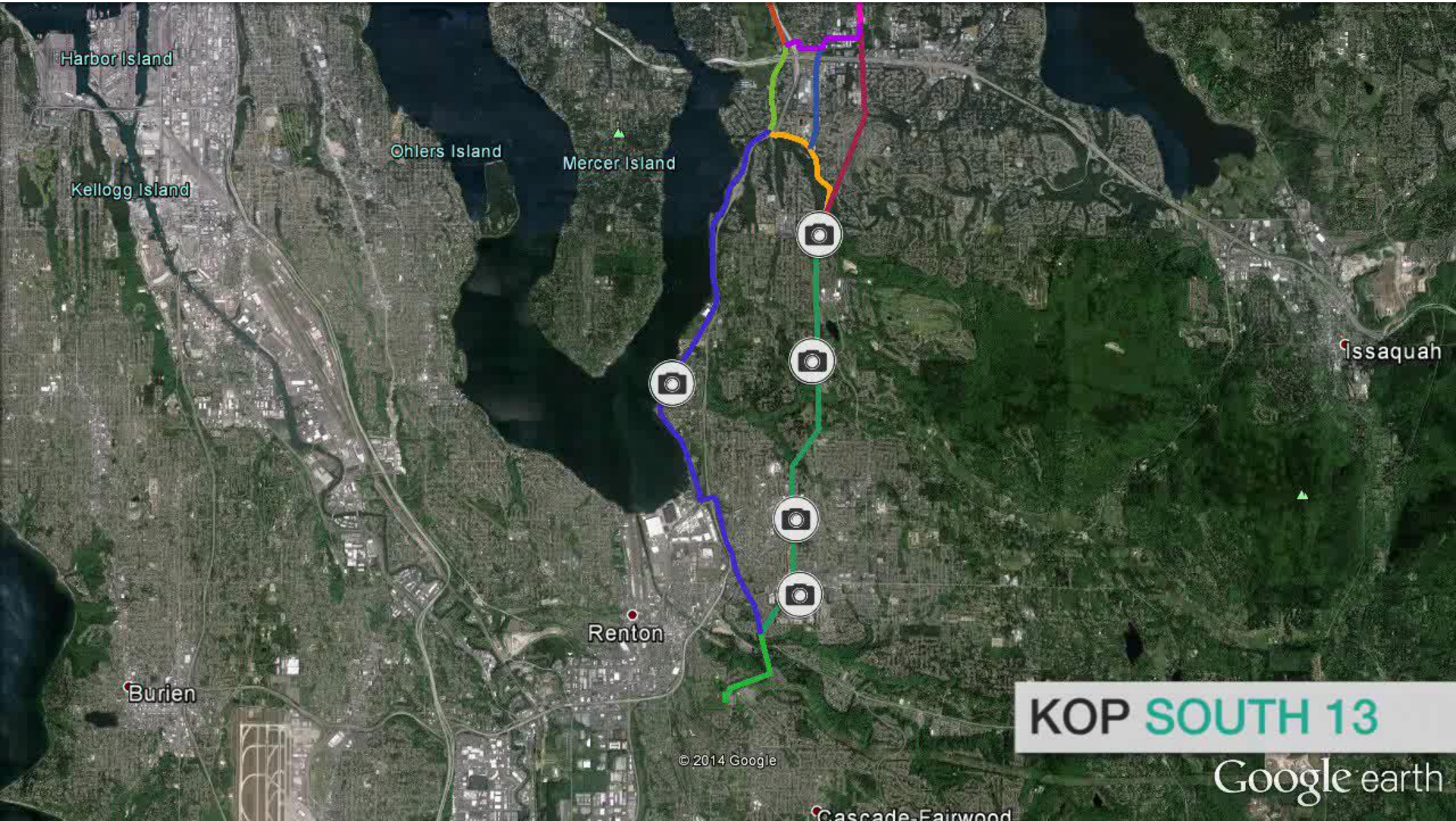

Photo Simulations

Existing Conditions – KOP South 13

Greenwood Memorial Park (cemetery), Jimi Hendrix memorial

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Photo Simulations

Conceptual Project – KOP South 13 (Structure G2-1)

Greenwood Memorial Park (cemetery), Jimi Hendrix memorial

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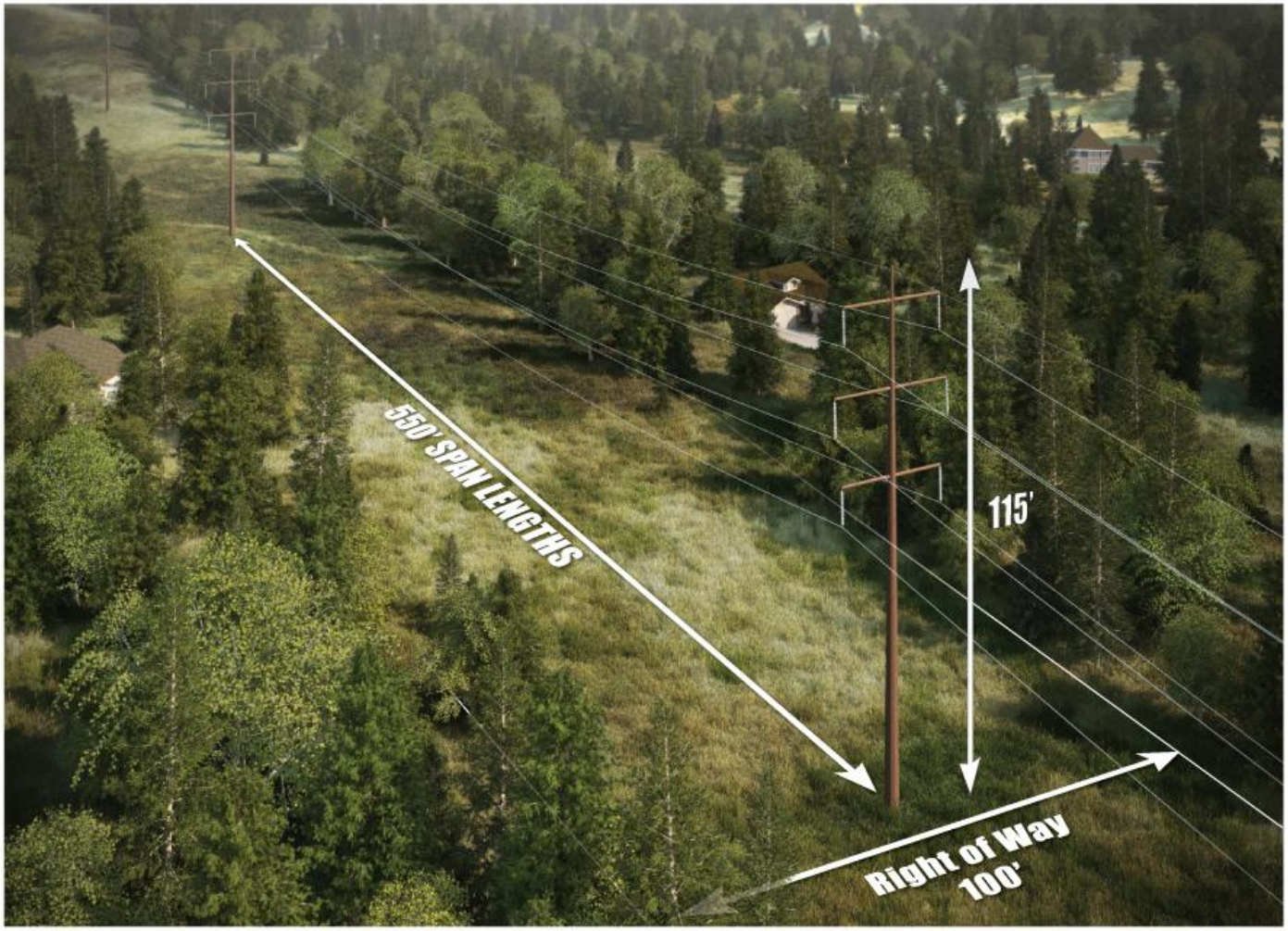
Pole Design Characteristics



POLE TYPE

G2-1

- Height: 115'
- Right of Way: 100'
- Span Lengths: 550'

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Photo Simulations

Existing Conditions – KOP South 13

Greenwood Memorial Park (cemetery), Jimi Hendrix memorial

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Photo Simulations

Conceptual Project – KOP South 13 (Structure G2-5)

Greenwood Memorial Park (cemetery), Jimi Hendrix memorial

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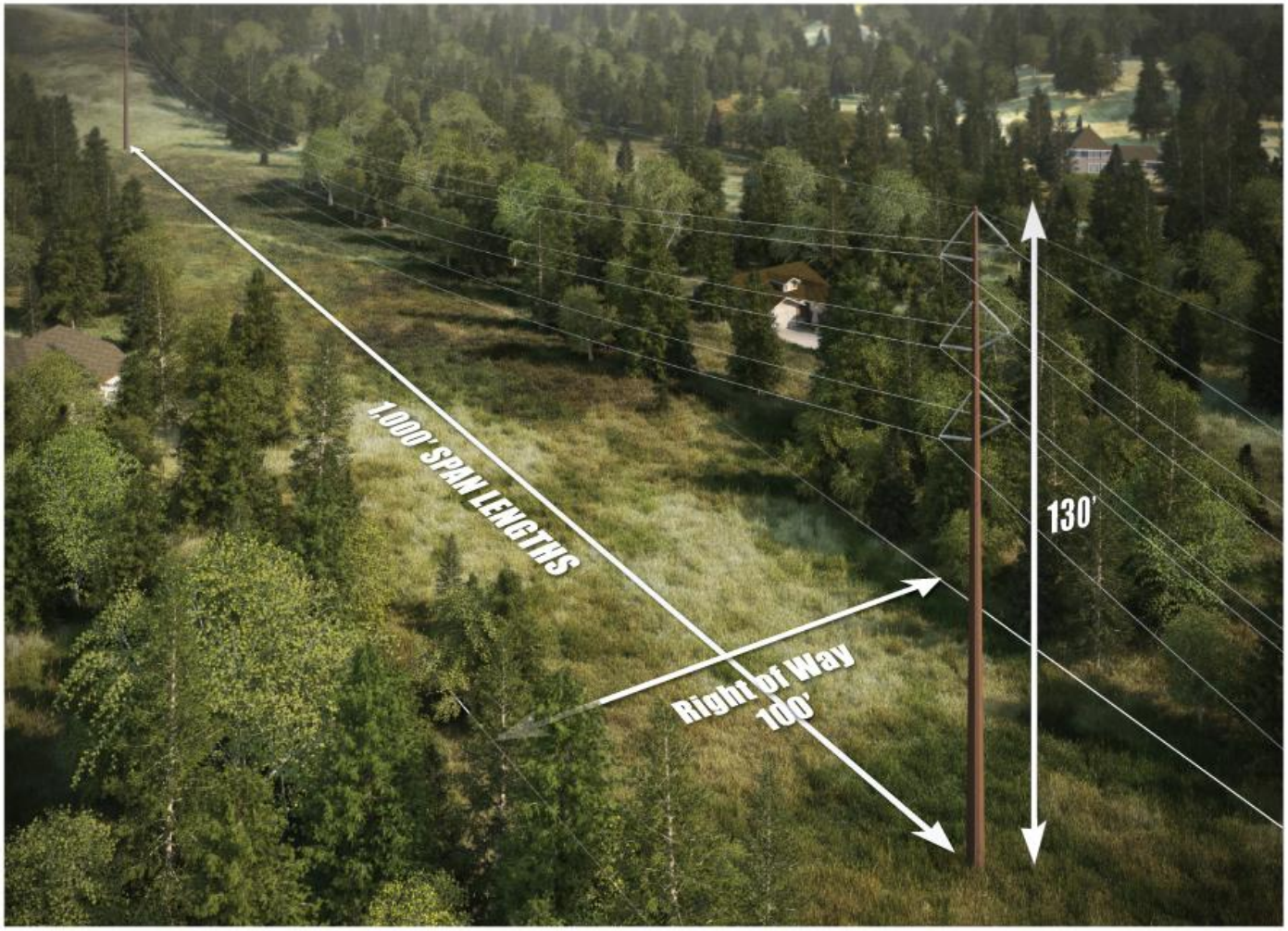
Pole Design Characteristics



POLE TYPE

G2-5

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- Span Lengths: 1,000'

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Photo Simulation Examples

Lake Washington / North 36th Street

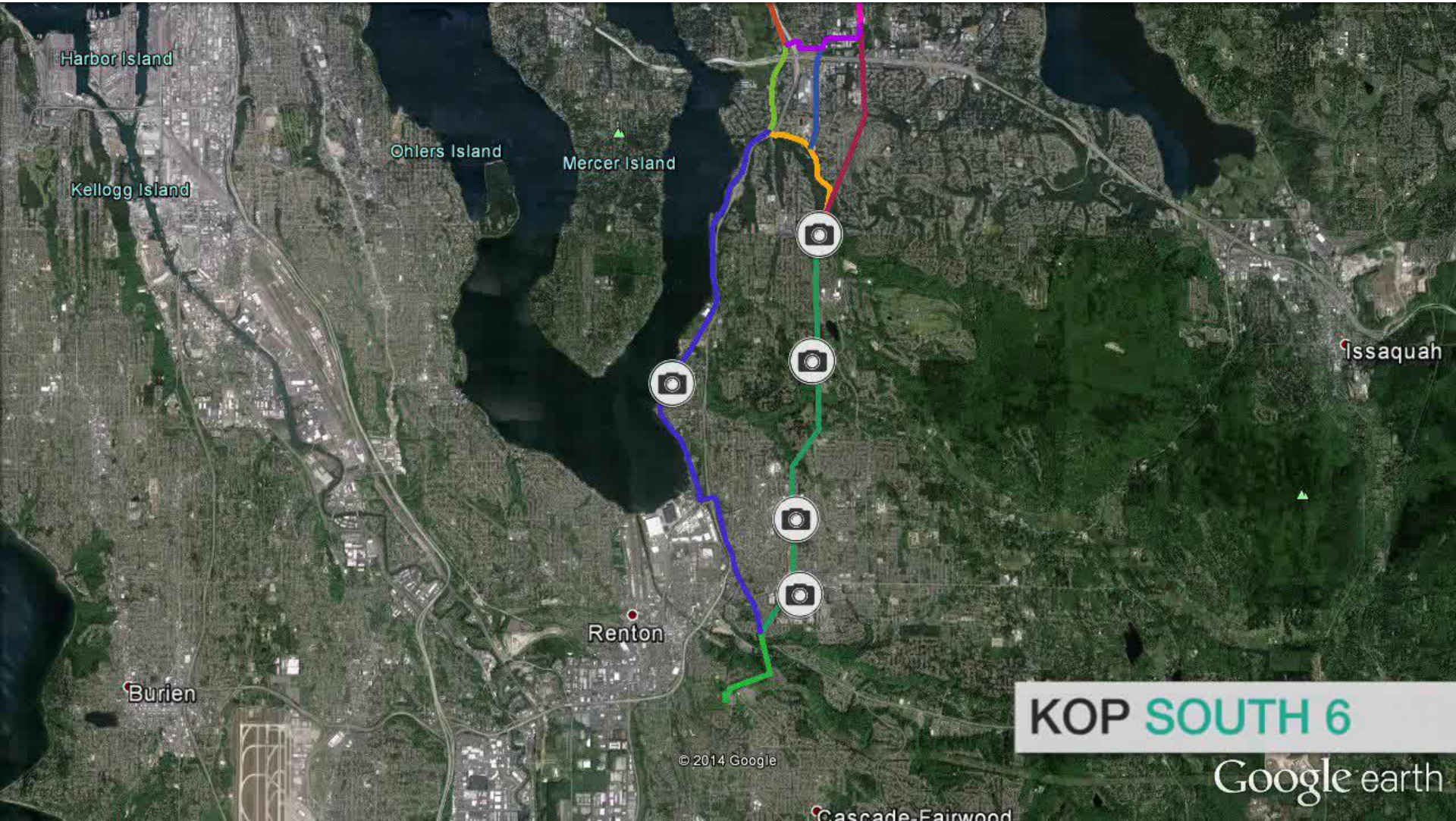

Photo Simulations

Existing Conditions – KOP South 6

North 36th Street

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Photo Simulations

Conceptual Project – KOP South 6 (Structure G4-3)

North 36th Street

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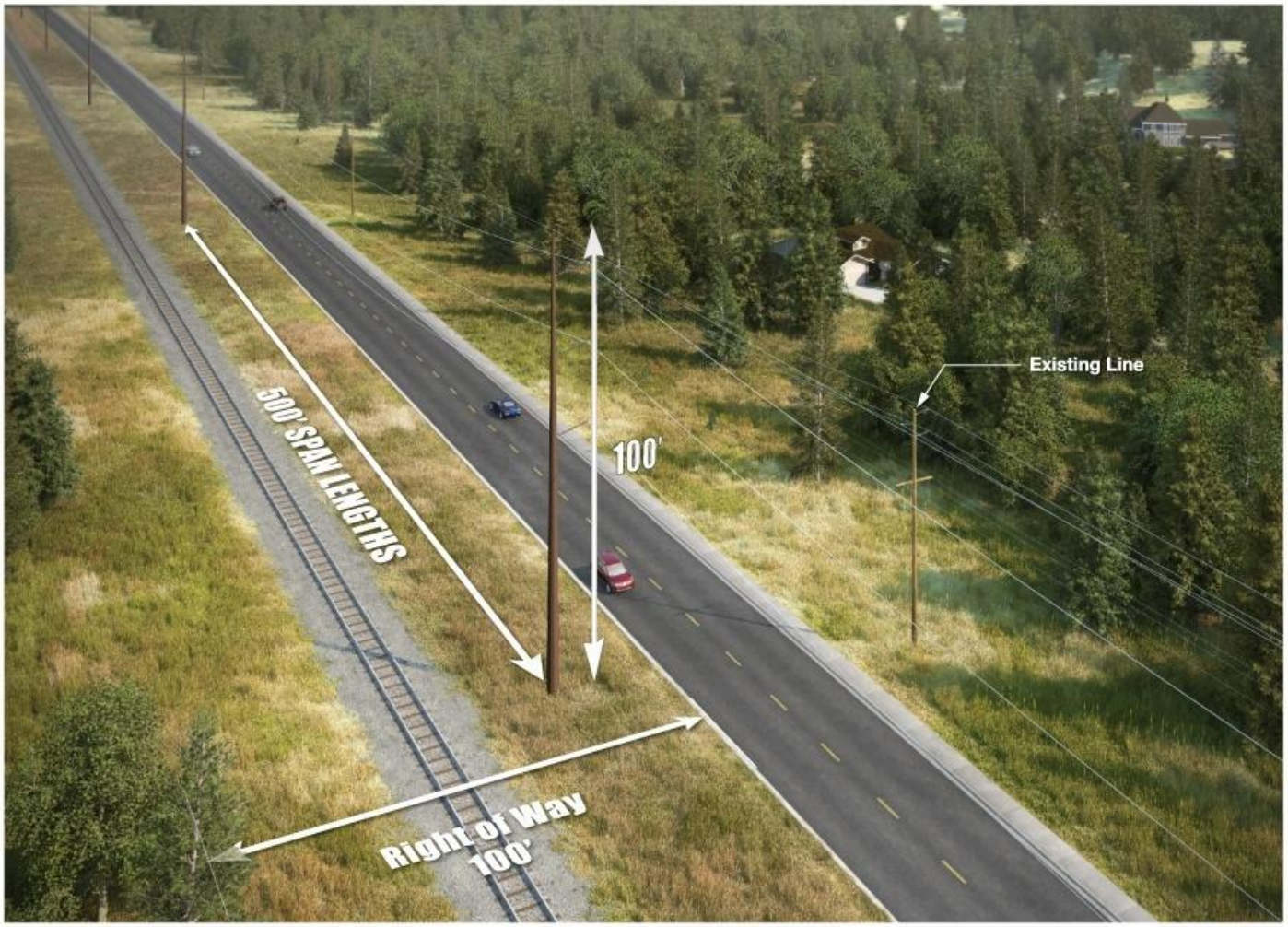
Pole Design Characteristics



POLE TYPE

G4-3

- Height: 100'
- Right of Way: 100'
- Span Lengths: 500'

Note: Span lengths and heights shown are typical and may vary due to localized site conditions and engineering requirements.

Photo Simulations

Existing Conditions – KOP South 6

North 36th Street

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Photo Simulations

Conceptual Project – KOP South 6 (Structure G4-8)

North 36th Street

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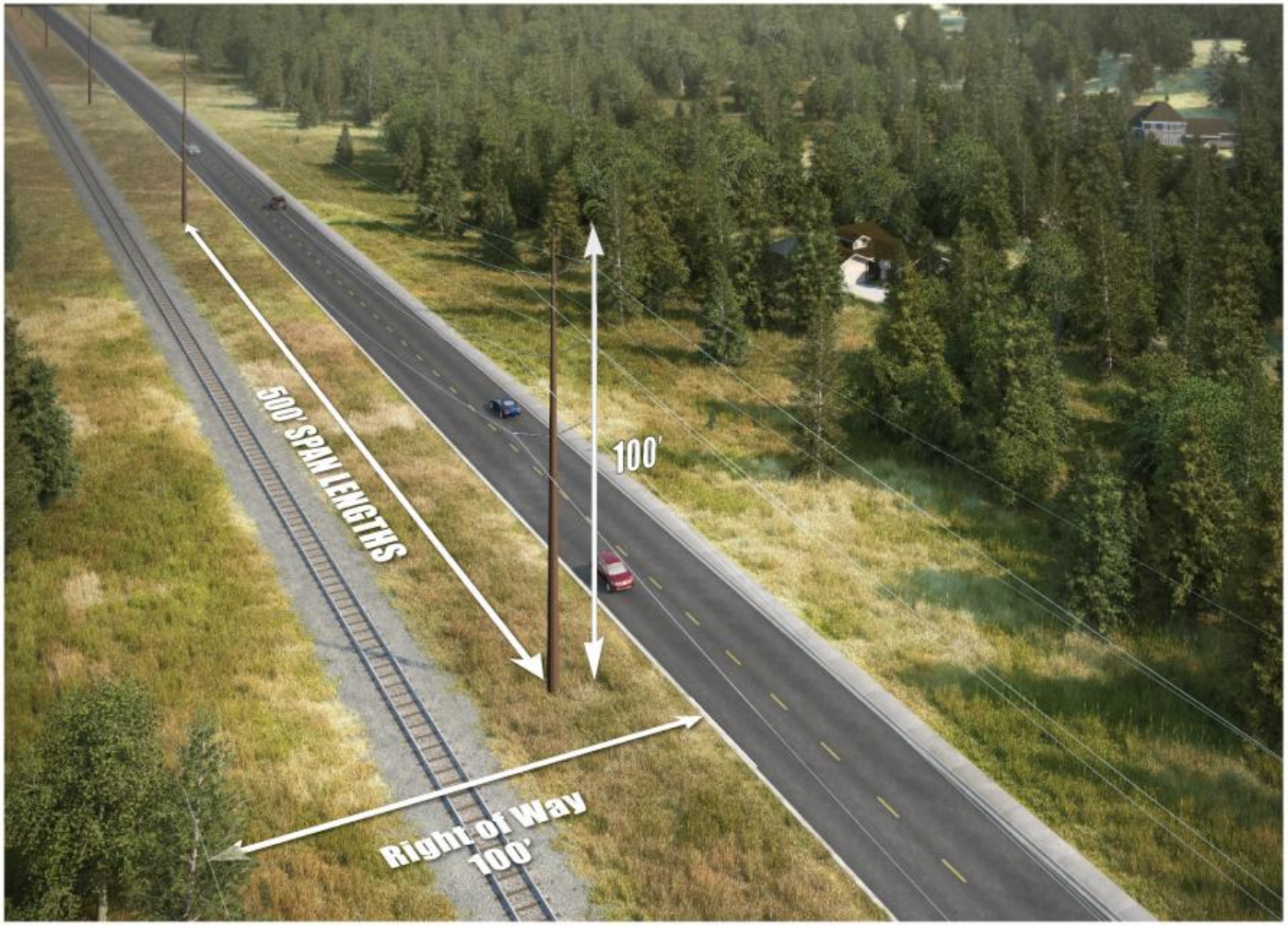
Pole Design Characteristics



POLE TYPE

G4-8

- Height: 100'
- Right of Way: 100'
- Span Lengths: 500'

Note: Span lengths and heights shown are typical and may vary due to localized site conditions and engineering requirements.

Questions

- Clarifying questions about the information you just heard (15 min)

Scoring the route segments

- Score all segments in the south sub-area
- Use a ranking of 1 to 5
  - 5 points = Best meets
  - 4 points = Meets
  - 3 points = Mostly meets
  - 2 points = Mostly does not meet
  - 1 point = Does not meet at all
- Consider all the information provided

Scoring sheet

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South Sub-Area Workshop #2

Segment Scoring Sheet

4/24/2014

Instructions: Please score each of the segments in the South Sub-Area for using the evaluation factors below. These evaluation factors were developed during small group discussions at Workshop #1.

Scoring Key

5 points = Best meets the factor (i.e., the segment with the least potential impacts to land uses; the segment most protective of health and safety)
4 points = Meets the factor
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1 point = Does not meet the factor at all (i.e., the segment with most potential impacts to land uses; the segment least protective of health and safety)

Evaluation factors	Segment K1	Segment K2	Segment L	Segment M	Segment N
Factor one: Least proximity to sensitive community land uses (parks, beaches and trails, other uses of the corridor)					
Factor two: Least proximity to sensitive environmental areas (eagle, osprey and falcon nesting habitat, wildlife, wetlands and streams)					
Factor three: Least proximity to residential areas (number of residences; noise)					
Factor four: Most protective of health and safety (EMF, Olympic Pipeline, geologic events)					
Factor five: Least proximity to mature vegetation (number of trees impacted)					
Factor six: Least effects on aesthetics (pole design; see graphic representations)					

Scoring the route segments

- First, use the data provided to **individually** score all the route segments in the south sub-area

- Then, score all the segments **as a group**

Message to the Sub-Area Committee

- **As a group,** what is one key thing you want to say to the Sub-Area Committee about this sub-area?

Upcoming meetings

- **South Sub-Area Committee Meeting**
  May 15 from 6:30 to 9 p.m. at Renton Technical College

What's next for the advisory group?

Community Advisory Group | Sub-Area Committees | Community Meetings | Other Opportunities

WINTER	SPRING	SUMMER	FALL
1 Education	**2** Identify route options	**3** Narrow route options	**4** Recommended route
Learn about electric system and project need (COMPLETED)	Develop sub-area segment input for full Community Advisory Group discussion	**Community Meeting #2** Feedback on potential route options	**Community Meeting #3** Feedback on Community Advisory Group recommended route
Community Meeting #1 Feedback on project need, potential segments and route selection process (COMPLETED)	• Discuss community concerns • Develop potential route options based on input from Sub-Area Committees	• Discuss community concerns • Weight community values for evaluation process • Narrow route options to one recommended route	• Discuss community concerns • Consider public input and validate recommended route and provide route recommendation to PSE for consideration
• Discuss community concerns • Learn about the factors involved in developing the route segments (COMPLETED) • Bus tour of project area	**Community Advisory Group Meetings #3 and #4**	**Community Advisory Group Meeting #5**	**Community Advisory Group Meeting #6**

Neighborhood and community group briefings, fairs and festivals, public kiosks, online surveys

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Thank you!