

ARTS 2017-2021 HOT SPOTS - 150% LIST

BY PRE-SCOPING BC RATIO

LOCATION/PROJECT NAME	APPLICANT	COUNTERMEASURES	BENEFIT	COST (PRE-SCOPING)	B/C RATIO*
SE Division St @ SE 162nd Ave	Portland	H34 - Provide a Raised Median, Urban Multi-Lane Road	\$ 2,105,740	\$ 12,500	168.46
NE Glisan St @ NE 122nd Ave	Portland	H25 - Install Lighting at Intersection H34 - Provide a Raised Median, Urban Multi-Lane Road	\$ 4,734,800	\$ 35,500	133.37
NE Halsey St @ NE 122nd Ave	Portland	H25 - Install Lighting at Intersection H34 - Provide a Raised Median, Urban Multi-Lane Road	\$ 2,766,120	\$ 29,000	95.38
Springwater Rd @ Harding Rd	Clackamas County	H19 - Convert to All-Way Stop Control (From Rural 2-Way or Yield Control) I13 - Provide Flashing Beacons at All-Way Stop Controlled Intersections	\$ 2,671,120	\$ 38,000	70.29
SE Stark St @ SE 148th Ave	Portland	I2 - Improve Signal Hardware : Lenses, Reflectorized Back plates, Size, and Number H34 - Provide a Raised Median, Urban Multi-Lane Road	\$ 2,080,820	\$ 30,000	69.36
SE Powell Blvd (US26) @ SE 36th Ave	ODOT	BP10 - Install Rectangular Rapid Flashing Beacon with Median (3-Lane or More Roadway) BP2 - Provide Intersection Illumination (Bike & Ped) I10 - Increase Triangle Sight Distance	\$ 5,612,640	\$ 208,000	26.98
SE Stark St @ SE 162nd Ave	Gresham	I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number H25 - Install Lighting at Intersection RD1 - Increase Distance to Rural Roadside Obstacle from 3 ft. (1 m) to 16 ft. (5 m)	\$ 1,071,560	\$ 61,000	18.78
SE Powell Valley Rd @ SE Kane Dr / SE 257th Dr	Gresham	I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number	\$ 1,071,560	\$ 61,000	17.57
SE Stark St @ SE 223rd Ave	Gresham	I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number	\$ 1,071,560	\$ 61,000	17.57
SE Sunnyside Rd @ SE 122nd Ave	Clackamas County	I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number	\$ 1,059,100	\$ 61,000	17.36
SW Beaverton Hillsdale Hwy @ SW 30th Ave	Portland	I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number I4 - Replace Urban Permissive or Protected/Permissive Left Turns to Protected Only I8 - Install Flashing Beacons as Advance Warning at Intersections (Not Coordinated with Signal Timing)	\$ 2,480,460	\$ 155,000	16.00
SW Hall Blvd @ SW Cedar Hills Blvd	Beaverton	H25 - Install Lighting at Intersection I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number	\$ 2,217,880	\$ 150,000	14.79
N Lombard St @ N Interstate Ave (US 30B)	ODOT	H25 - Install Lighting at Intersection H34 - Provide Raised Median, Urban Multi-Lane Road BP1 - Install Pedestrian Countdown Timer(s)	\$ 9,369,920	\$ 707,000	13.25
NE Broadway @ NE Martin Luther King Jr Blvd	Portland	I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number I6 - Install coordination or adaptive signal timing of Urban traffic Signals	\$ 2,516,940	\$ 215,000	11.71
SE Foster Rd @ SE 92nd Ave	Portland	BP4 - Install No Pedestrian Phase Feature with Flashing Yellow Arrow I2 - Improve Signal Hardware I3 - Replace Doghouse with Flashing Yellow Arrow Signal Heads H25 - Install Lighting at Intersection	\$ 3,463,880	\$ 302,500	11.45
SE Jennings Ave @ SE Addie Rd	Clackamas County	H33 - Install Raised Median - Urban 2-Lane Road	\$ 1,968,680	\$ 188,000	10.47
NE Glisan St @ NE 162nd Ave	Gresham	I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number H25 - Install Lighting at Intersection	\$ 1,495,200	\$ 149,000	10.03

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SE Stark St @ SE 103rd Dr	Portland	I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number I6 - Install coordination or adaptive signal timing of Urban traffic Signals	\$ 3,350,140	\$ 350,000	9.57
SW Hall Blvd @ SW Nimbus Ave	Beaverton	H25 - Install Lighting at Intersection I5 - Replace Urban Permissive Left Turns to Protected/Permissive BP4 - Install No Pedestrian Phase Feature with Flashing Yellow Arrow	\$ 2,579,220	\$ 280,000	9.21
SW Baseline St @ S 1st Ave (OR 8)	ODOT	H25 - Install Lighting at Intersection I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number H50 - Install Guide Signs	\$ 5,856,200	\$ 650,000	9.01
SE Stark St @ SE 242nd Dr / Hogan Drive	Gresham	I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number H34 - Provide a Raised Median, Urban Multi-Lane Road	\$ 2,068,360	\$ 231,000	8.95
SE Division St @ SE 112th Ave	Portland	I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number H34 - Provide a Raised Median, Urban Multi-Lane Road	\$ 4,111,800	\$ 507,500	8.10
SE Holgate Blvd @ SE Milwaukie Ave	Portland	I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number I4 - Replace Urban Permissive or Protected/Permissive Left Turns to Protected Only	\$ 4,410,840	\$ 550,000	8.02
NW Cornell Rd @ NW 185th Ave	Washington County	H6 - Channelized Right Turn Lane with Raised Median I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number	\$ 3,476,340	\$ 444,000	7.83
NE Division St @ SE 242nd Dr/SE Hogan Dr	Gresham	H34 - Provide a Raised Median, Urban Multi-Lane Road	\$ 3,513,720	\$ 490,000	7.17
SE Powell Blvd (US26) @ SE 39th Ave	ODOT	BP1 - Install Pedestrian Countdown Timer(s) BP2 - Provide Intersection Illumination (Bike & Ped) H26 - Install Lighting on a Roadway Segment I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number	\$ 6,778,240	\$ 1,000,000	6.78
E Powell Blvd @ NE Hogan Dr / NE 242nd Dr / SE Hogan Rd	Gresham	I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number H25 - Install Lighting at Intersection H34 - Provide a Raised Median, Urban Multi-Lane Road	\$ 2,068,360	\$ 231,000	6.52
NW Heritage Pkwy @ NW 185th Ave	Washington County	H25 - Install Lighting at Intersection I5 - Replace Urban Permissive Left Turns to Protected/Permissive	\$ 1,383,060	\$ 214,000	6.46
SE Washington St @ SE 99th Ave	Portland	I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number I5 - Replace Urban Permissive Left Turns to Protected/Permissive I6 - Install Coordination or Adaptive Signal Timing of Urban Traffic Signals	\$ 1,515,120	\$ 239,000	6.34
NW Yeon Ave (US30) @ NW Nicolai St	ODOT	I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number I7 - Install Actuated Advance Warning Dilemma Zone Protection System at High Speed Signals (Microwave Detection) I9 - Install Actuated/Coordinated Flashing Beacons as Advance Warning for Signalized Intersections	\$ 1,965,180	\$ 312,000	6.30

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SE Hawthorne Blvd @ SE Grand Ave	Portland	I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number	\$ 1,831,620	\$ 300,000	6.11
SW Scholls Ferry Rd @ SW 121st Ave	Washington County	H25 - Install Lighting at Intersection I5 - Replace Urban Permissive Left Turns to Protected/Permissive	\$ 1,121,400	\$ 200,000	5.61
NE Halsey St @ NE 162nd Ave	Gresham	H34 - Provide a Raised Median, Urban Multi-Lane Road I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number	\$ 3,314,360	\$ 631,000	5.25
SE Powell Blvd (US26) @ SE 82nd Ave (OR213)	ODOT	H34 - Provide a Raised Median, Urban Multi-Lane Road	\$ 10,042,760	\$ 2,000,000	5.02
SE Holgate Blvd @ SE 112th Ave	Portland	I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number I5 - Replace Urban Permissive Left Turns to Protected/Permissive BP3 - Install Urban Leading Pedestrian or Bicycle Interval at Signalized Intersection	\$ 2,742,160	\$ 550,000	4.99
TV Highway at Minter Bridge/Cypress	ODOT	H25 - Install Lighting at Intersection I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number	\$ 1,432,900	\$ 300,000	4.78
NE Halsey St @ NE 181st Ave	Gresham	I9 - Install Actuated/Coordinated Flashing Beacons as Advance Warning for Signalized Intersections	\$ 849,200	\$ 187,000	4.54
SE Powell Blvd (US26) @ SE 71st Ave	ODOT	H25 - Install Lighting at Intersection I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number	\$ 3,214,680	\$ 750,000	4.29
SW Farmington Rd @ SW 170th Ave	Washington County	H6 - Channelized Right Turn Lane with Raised Median I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number	\$ 3,551,100	\$ 850,000	4.18
SW Barbur Blvd @ SW Capitol Hwy (OR 99W)	ODOT	I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number H50 - Install Guide Signs	\$ 4,099,340	\$ 1,000,000	4.10
N Lombard St (US30B) @ N Atlantic Ave	ODOT	I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number H48 - Convert 4-Lane Roadway to 3-Lane Roadway with Center Turn Lane (Road Diet)	\$ 4,585,280	\$ 1,200,000	3.82
I-5 from MP 303.27-308.63	ODOT	H45A - Install Urban Variable Speed Limit Signs with Queue/Weather Warning System	\$ 14,953,640	\$ 4,000,000	3.74
W Powell Blvd @ SE 182nd Ave / SW Highland Drive	Gresham	H4 - Right Turn Lane on Single Major Road Approaches: Signalized Intersection (3- or 4-leg) I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number H25 - Install Lighting at Intersection	\$ 2,068,360	\$ 560,000	3.69
SE Circle Ave @ SE 174th Ave / SE Jenne Rd	Multnomah County	H25 - Install Lighting at Intersection I12 - Improve Intersection Warning I9 - Install Actuated/Coordinated Flashing Beacons as Advance Warning for Signalized Intersections I16 - Install Transverse Rumble Strips on Approaches H25 - Install Lighting at Intersection	\$ 2,226,740	\$ 625,000	3.56
SE 82nd Ave (OR213) @ SE Woodward St	ODOT	H12 - Left Turn Lane on Single Major Road Approach: Urban, Signalized Intersection (4-leg) I2 - Improve Signal Hardware: Lenses, BP4 - Install No Pedestrian Phase Feature with Flashing Yellow Arrow Reflectorized Back plates, Size, and Number H25 - Install Lighting at Intersection	\$ 3,700,620	\$ 1,165,000	3.18
NW Glisan St @ NW Broadway	Portland	I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number H25 - Install Lighting at Intersection	\$ 1,731,940	\$ 550,000	3.15

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NE Lombard St (US30B) @ NE MLK Jr Blvd (OR 99E)	ODOT	H34 - Provide a Raised Median, Urban Multi-Lane Road	\$ 2,404,780	\$ 794,000	3.03
NB I-5 ramp @ NE Weidler St	ODOT	I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number H50 - Install Guide Signs	\$ 2,903,180	\$ 1,000,000	2.90
WB Sunset Hwy exit ramp (US26) @ NW 185th Ave	ODOT	H4 - Right Turn Lane on Single Major Road Approaches: Signalized Intersection (3- or 4-leg) I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number	\$ 2,579,220	\$ 900,000	2.87
NW Evergreen Pkwy @ NW 185th Ave	Washington County	I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number	\$ 1,146,320	\$ 400,000	2.87
SW Pacific Hwy (OR99W) @ SW 72nd Ave	ODOT	I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number H6 - Channelized Right Turn Lane with Raised Median H25 - Install Lighting at Intersection	\$ 2,367,400	\$ 900,000	2.63
Beaverton Tigard Hwy (OR217) @ Kruse Way	ODOT	I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number I9 - Install Actuated/Coordinated Flashing Beacons as Advance Warning for Signalized Intersections	\$ 1,038,380	\$ 400,000	2.60
NB I-205 exit ramp @ SE Division St	ODOT	H6 - Channelized Right Turn Lane with Raised Median I2 - Improve Signal Hardware: Lenses, Reflectorized Back Plates, Size and Number H25 - Install Lighting at Intersection	\$ 6,005,720	\$ 2,535,000	2.37
OR-213 @ Toliver Rd (MP 15.70)	ODOT	H2 - Right Turn Lane on Single Major Road Approach: Unsignalized Intersection (3- or 4-leg) H10 - Left Turn Lane on Both Major Road Approaches: Rural Unsignalized Intersection (4-leg) ALTERNATIVE: H 16 - install roundabout from Minor Road Stop Control	\$ 3,837,680	\$ 1,760,720	2.18
SE Washington St @ SE 10th Ave	Washington County	I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number	\$ 635,460	\$ 300,000	2.12
NE Halsey St @ NE 47th Ave	Portland	I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number	\$ 1,121,400	\$ 550,000	2.04
SE Foster Rd @ SE 110th Dr/111th Ave.	Portland	I5 - Replace Urban Permissive Left Turns to Protected/Permissive	\$ 461,020	\$ 230,000	2.00
SW Tualatin Valley Hwy (OR8) @ SW Murray Blvd	ODOT	I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number H34 - Provide a Raised Median, Urban Multi-Lane Road	\$ 1,881,460	\$ 1,000,000	1.88
NE Glisan St @ NE 242nd Dr/NE 238th Dr/SW Cherry Park Rd	Gresham	H5 - Right Turn Lane on Both Major Road Approaches: Signalized Intersection (3- or 4-leg) I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number	\$ 1,619,800	\$ 939,000	1.73
SE Powell Blvd (US26)@ SE Foster Rd/SE 50th Ave	ODOT	I2 - Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number H25 - Install Lighting at Intersection H34 - Provide a Raised Median, Urban Multi-Lane Road H 30 - Reduce Urban Driveways from 48 to 26 - 48 per mile	\$ 1,445,360	\$ 900,000	1.61
SE McLoughlin Blvd (OR99E) @ SE Tenino St exit	ODOT	H53A - Right Turn Acceleration Lane	\$ 2,080,820	\$ 1,500,000	1.39
SE Powell Blvd (US26) @ SE 136th Ave	ODOT	I4 - Replace Urban Permissive or Protected/Permissive Left Turns to Protected Only H33 - Provide a Raised Median, Urban 2-Lane Road H25 - Install Lighting at Intersection	\$ 2,965,480	\$ 2,458,000	1.21

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NE Division St @ NE Kane Dr / NE 257th Dr	Gresham	H34 - Provide a Raised Median, Urban Multi-Lane Road H25 - Install Lighting at Intersection H4 - Right Turn Lane on Single Major Road Approaches: Signalized Intersection (3- or 4-leg)	\$ 1,881,460	\$ 1,656,000	1.14