

APPENDIX

CONTENTS

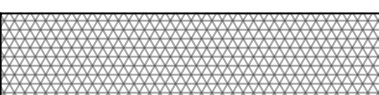
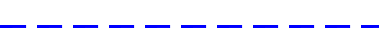
SECTION 1: ALTERNATIVE CONCEPT GRAPHICS

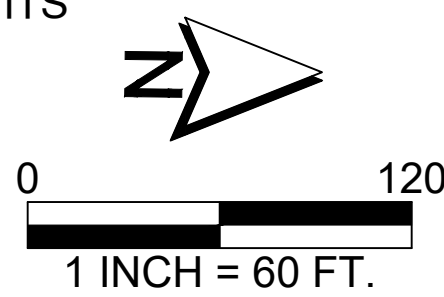
SECTION 2: COST ESTIMATES OF ALTERNATIVES

SECTION 1: ALTERNATIVE CONCEPT DRAWINGS



LEGEND

-  PARKING
-  STUDY LIMITS

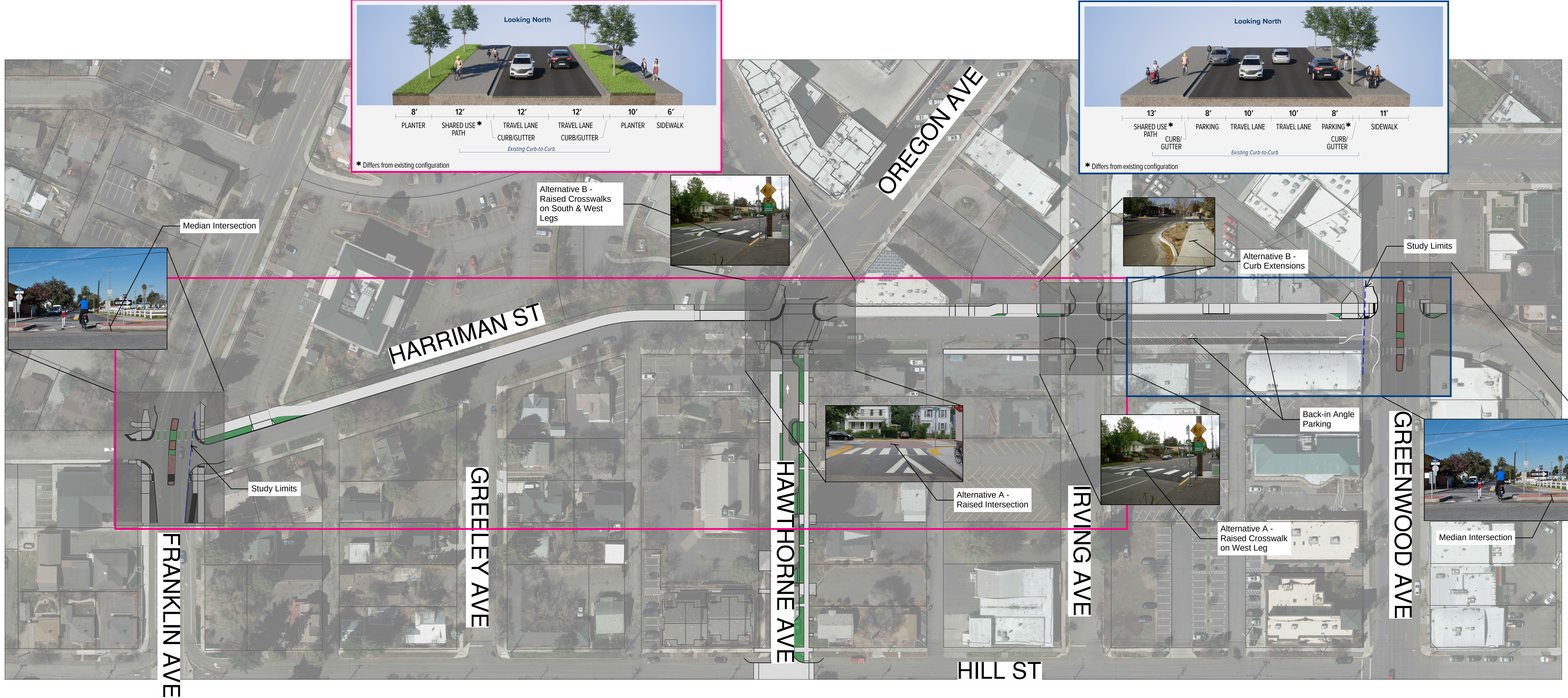


DRAFT CONCEPT
LAYOUT SUBJECT TO REVISION

HAWTHORNE CONNECTIONS - HARRIMAN ST ALTERNATIVE 1

MARCH 2026

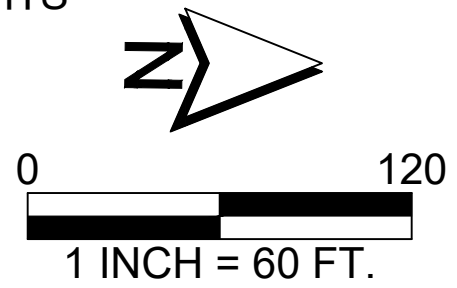
DKS Parametrix
150 NW Pacific Park Lane, Suite 110 • Bend, OR 97701
Ph: 541.508.7710



LEGEND

PARKING

STUDY LIMITS



DRAFT CONCEPT
LAYOUT SUBJECT TO REVISION

HAWTHORNE CONNECTIONS - HARRIMAN ST ALTERNATIVE 2

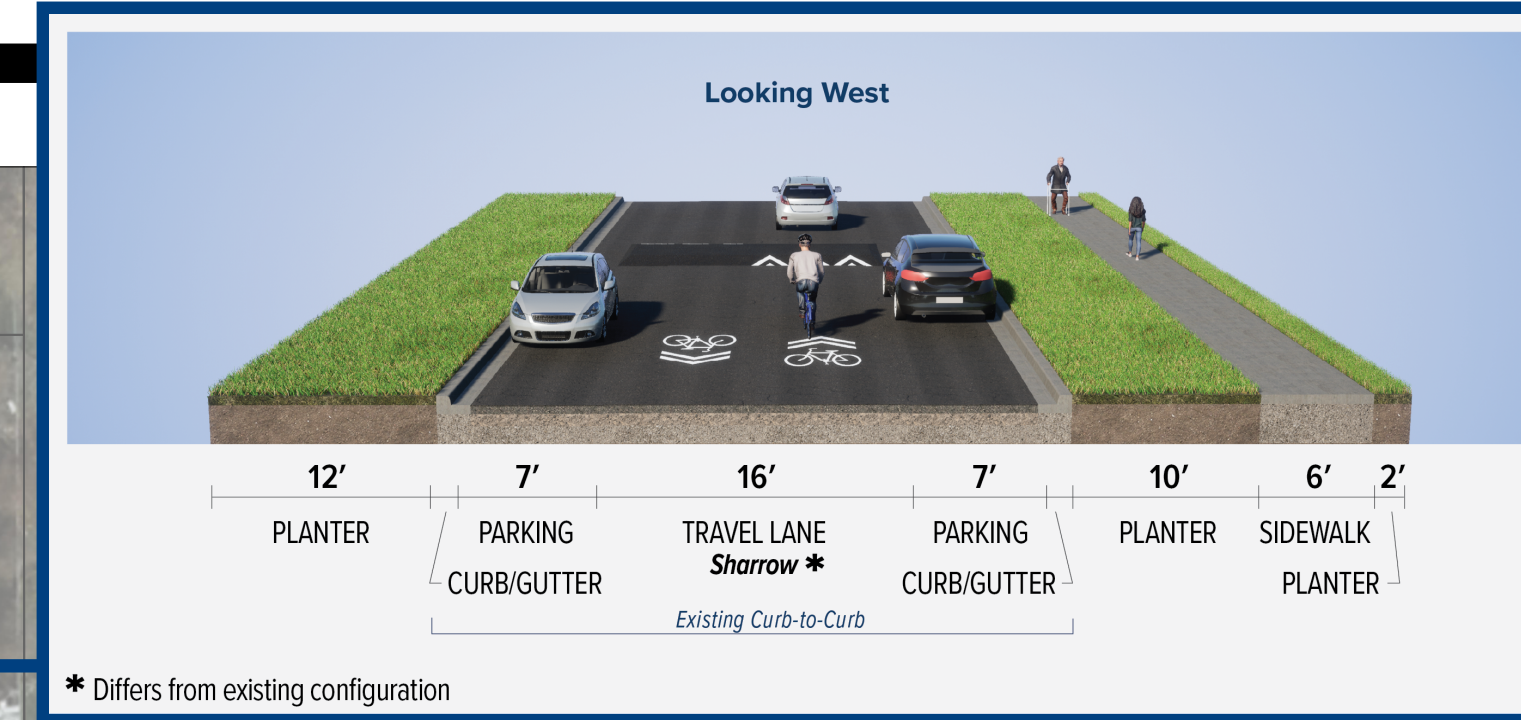
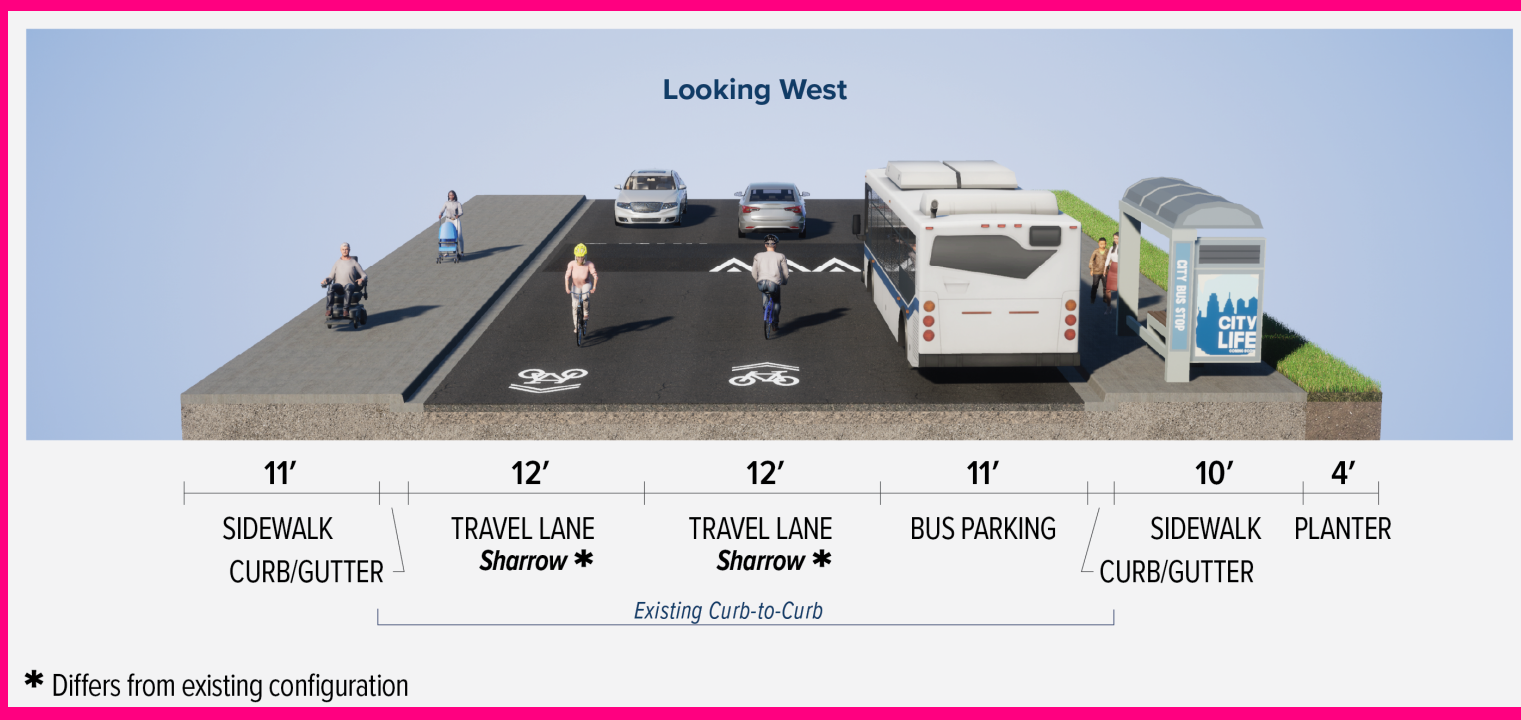
MARCH 2026

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Alternative A -
Traffic Signal &
Full Median



Alternative B -
Traffic Signal &
No Median



HAWTHORNE AVE

4TH ST

5TH ST

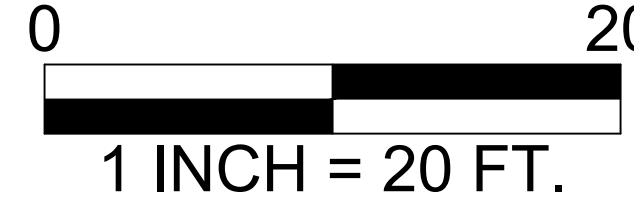
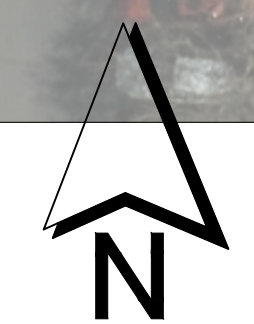
3RD ST

HAWTHORNE CONNECTIONS - HAWTHORNE AVE ALTERNATIVE 1

APRIL 2026



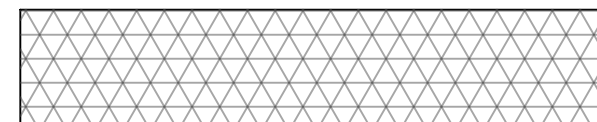
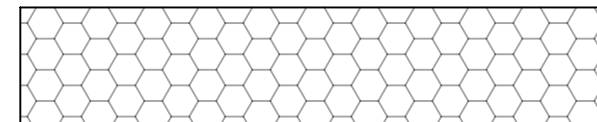
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1 INCH = 20 FT.

DRAFT CONCEPT
LAYOUT SUBJECT TO REVISION

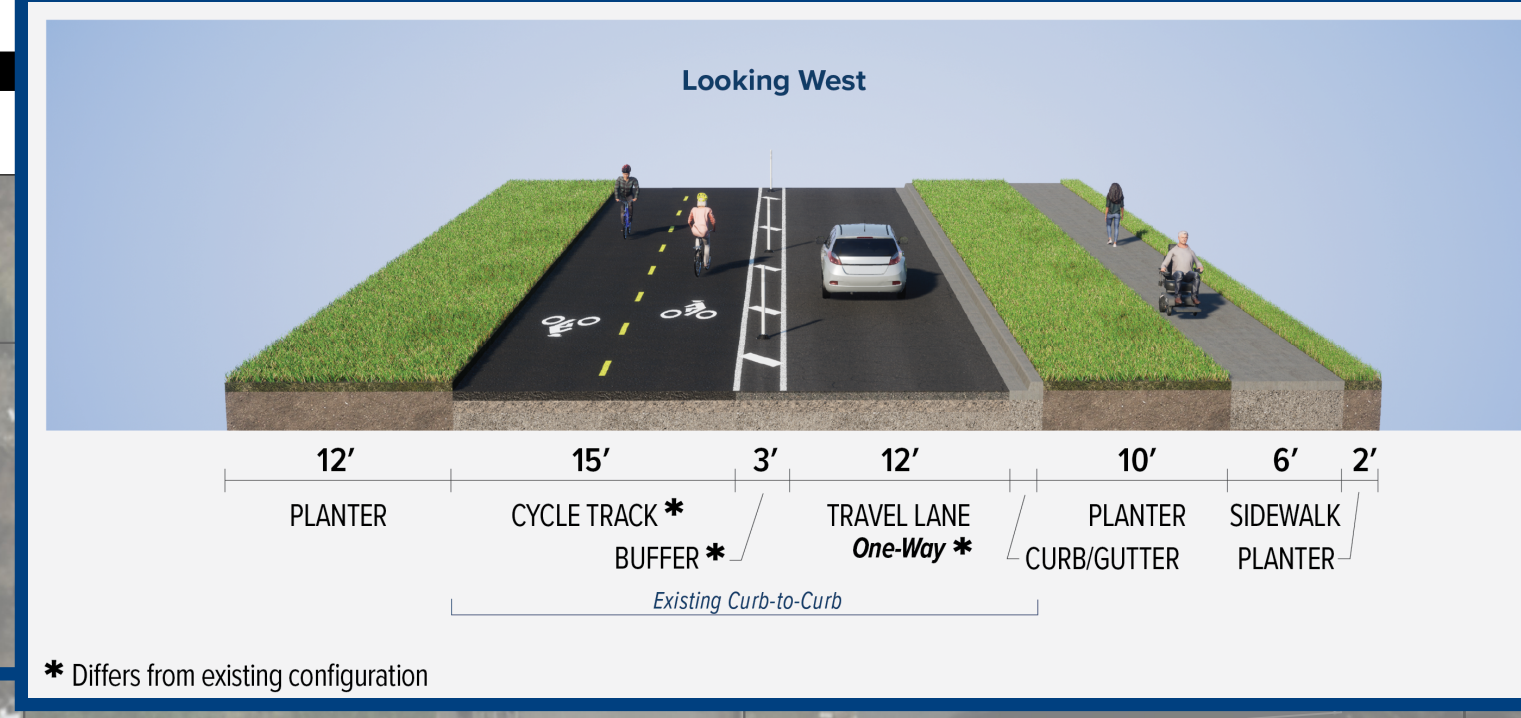
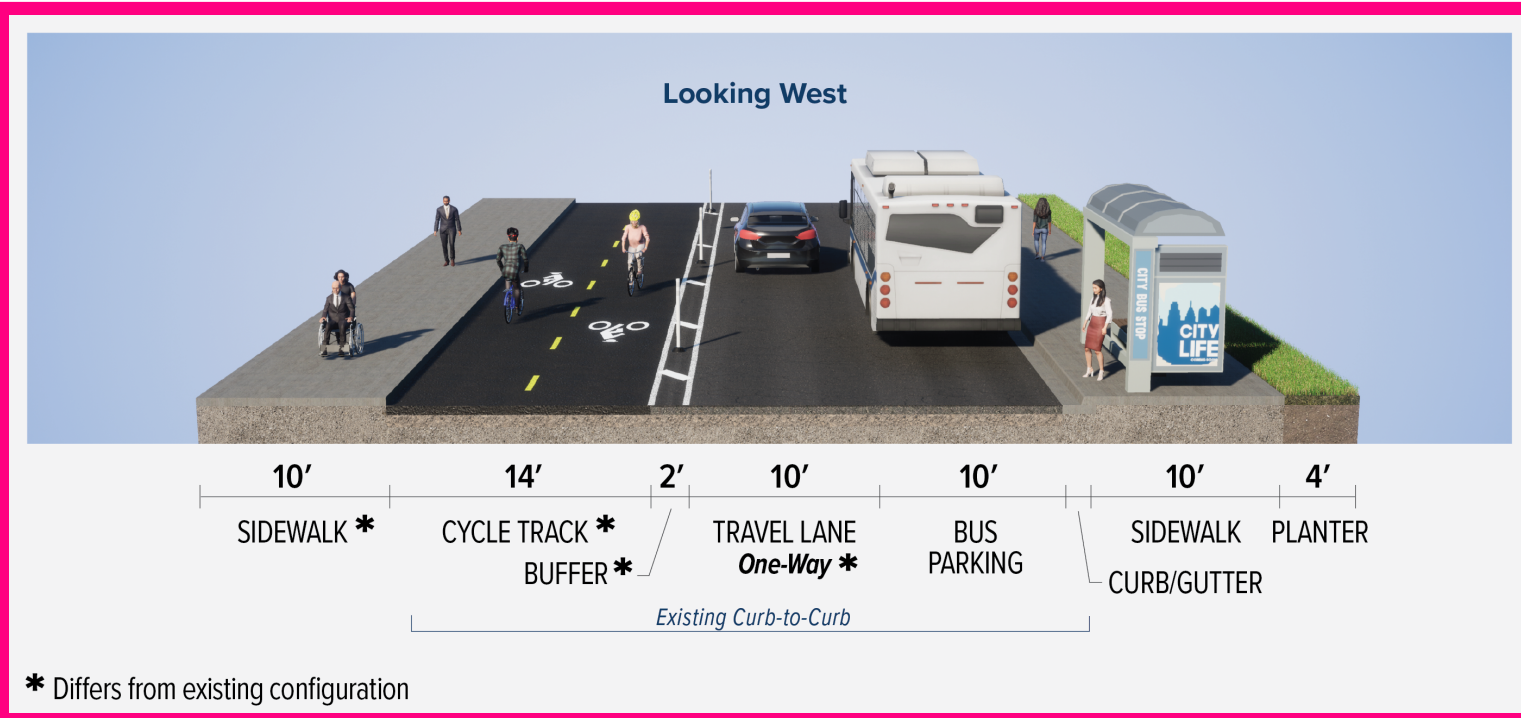
LEGEND

	PARKING
	PARKING - BUS HOLDING

Alternative A -
Traffic Signal &
Full Median



Alternative B -
Traffic Signal &
No Median



HAWTHORNE AVE

4TH ST

5TH ST

3RD ST

HAWTHORNE CONNECTIONS - HAWTHORNE AVE ALTERNATIVE 2

APRIL 2026

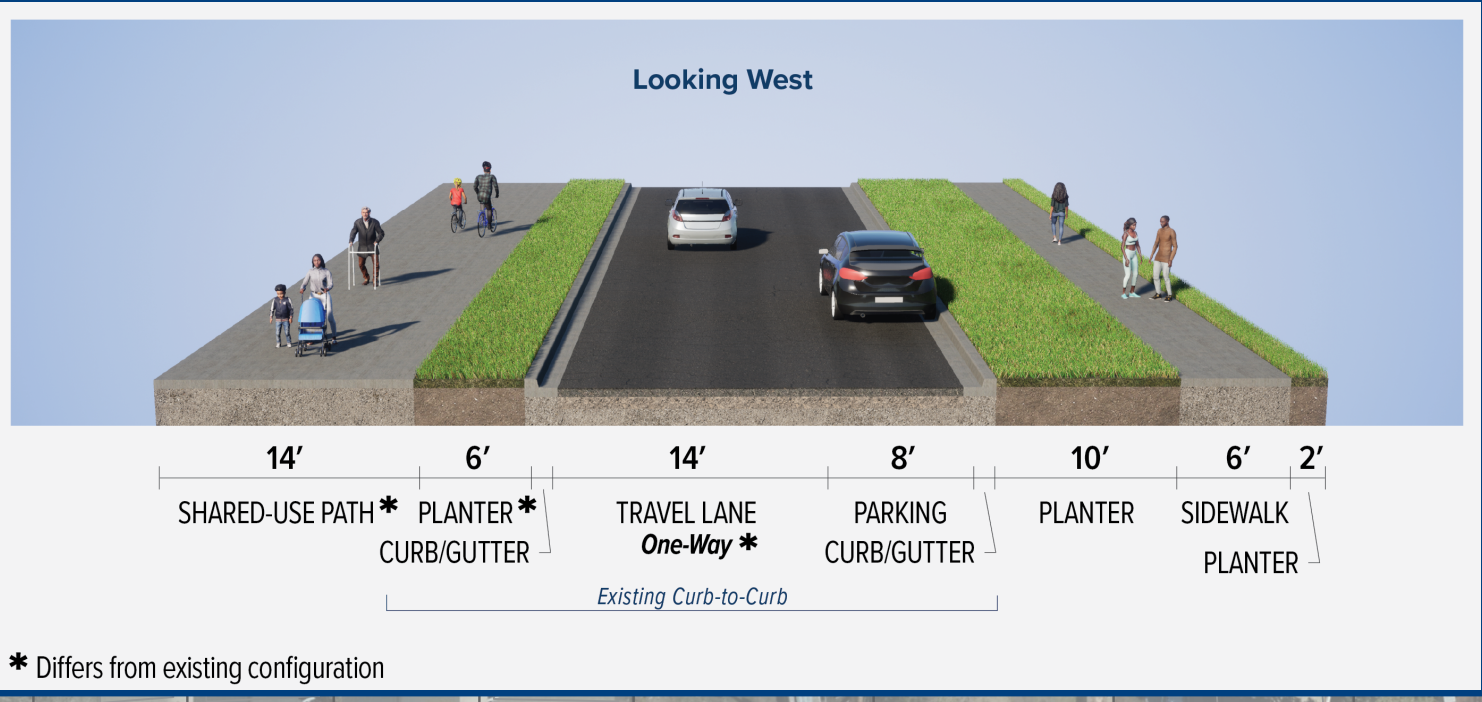
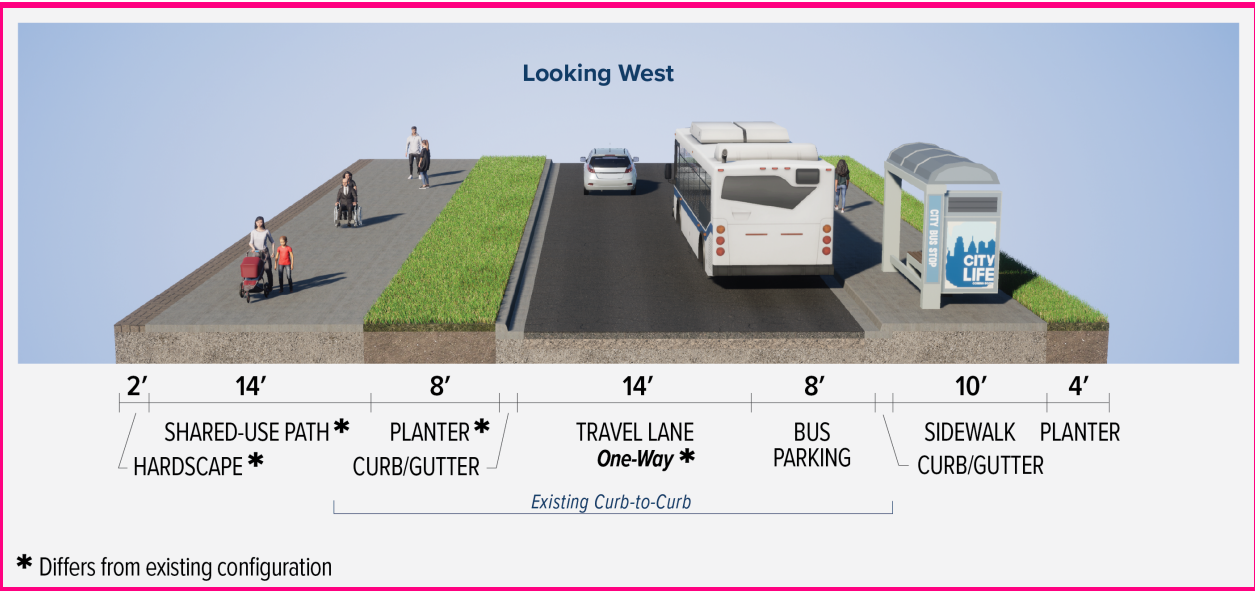
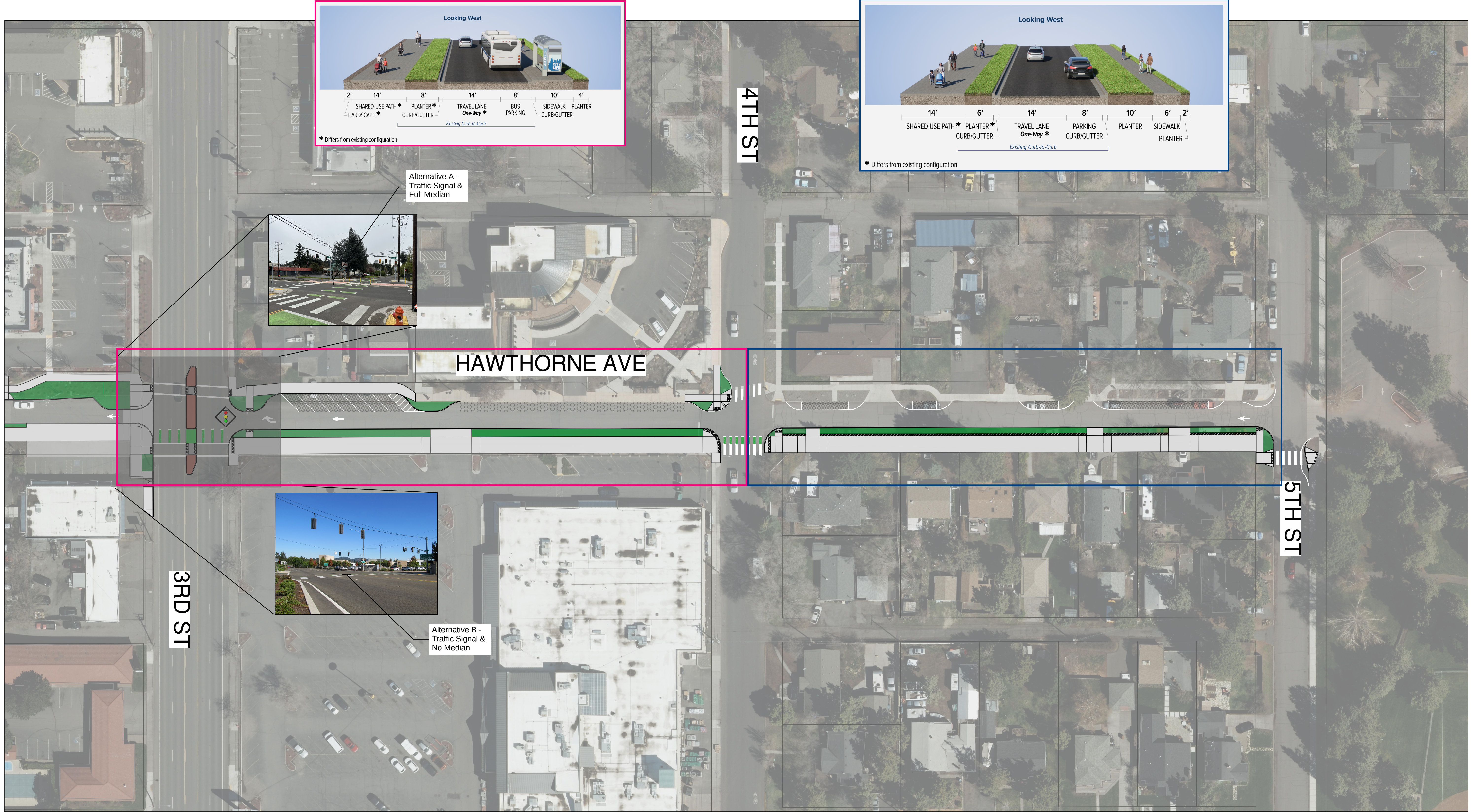
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0 20
1 INCH = 20 FT.
DRAFT CONCEPT
LAYOUT SUBJECT TO REVISION

LEGEND

PARKING



LEGEND

PARKING

PARKING - BUS HOLDING

DRAFT CONCEPT
LAYOUT SUBJECT TO REVISION

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0 80
1 INCH = 40 FT.

HAWTHORNE CONNECTIONS - HAWTHORNE AVE ALTERNATIVE 3

MARCH 2026

SECTION 2: COST ESTIMATES FOR ALTERNATIVES

Concept Level Opinion of Cost
City of Bend
Hawthorne Connections
Februaury 2026

HARRIMAN ALTERNATIVE 1: MANAGE SPEEDS AND MINIMIZE PARKING IMPACT

LOW BUILD	
Harriman - Speed Humps & Sharrows	\$ 147,250
Hawthorne & Harriman - Raised Intersection	\$ 264,050
Harriman & Irving - Curb Extensions (Sharrows)	\$ 189,300
Construction Subtotal Alt 1 Minimum=	\$ 600,600
Mobilization (10%)	\$ 60,100
Temporary Protection & Direction of Traffic (5%)	\$ 30,100
Erosion Control (2%)	\$ 12,100
Construction Survey Work (5%)	\$ 30,100
Removal of Structures & Obstructions (2%)	\$ 12,100
Permanent Signing (1.5%)	\$ 9,100
Landscaping & Irrigation (10%)	\$ 60,100
Construction Engineering & Management (25%)	\$ 150,200
Subtotal Alt 1 Minimum=	\$ 964,500

Class 4 Estimate Range	-15%	\$ (144,675)
	30%	\$ 289,350
Construction Subtotal with Range		
\$	819,825	to \$ 1,253,850

HIGH BUILD	
Harriman - Speed Humps & Sharrows	\$ 147,250
Hawthorne & Harriman - Raised Intersection	\$ 264,050
Harriman & Irving - Raised Intersection	\$ 270,600
Construction Subtotal Alt 1 Maximum=	\$ 681,900
Mobilization (10%)	\$ 68,200
Temporary Protection & Direction of Traffic (5%)	\$ 34,100
Erosion Control (2%)	\$ 13,700
Construction Survey Work (5%)	\$ 34,100
Removal of Structures & Obstructions (2%)	\$ 13,700
Permanent Signing (1.5%)	\$ 10,300
Landscaping & Irrigation (10%)	\$ 68,200
Construction Engineering & Management (25%)	\$ 170,500
Subtotal Alt 1 Maximum=	\$ 1,094,700

Class 4 Estimate Range	-15%	\$ (164,205)
	30%	\$ 328,410
Construction Subtotal with Range		
\$	930,495	to \$ 1,423,110

HARRIMAN ALTERNATIVE 2: CONTINUOUS PROMENADE

LOW BUILD	
Harriman - Promenade	\$ 1,126,875
Hawthorne & Harriman - Raised Crosswalk	\$ 228,700
Harriman & Irving - Curb Extensions (Promenade)	\$ 190,850
Construction Subtotal Alt 2 Minimum=	\$ 1,546,425
Mobilization (10%)	\$ 154,700
Temporary Protection & Direction of Traffic (5%)	\$ 77,400
Erosion Control (2%)	\$ 31,000
Construction Survey Work (5%)	\$ 77,400
Removal of Structures & Obstructions (2%)	\$ 31,000
Permanent Signing (1.5%)	\$ 23,200
Landscaping & Irrigation (10%)	\$ 154,700
Construction Engineering & Management (25%)	\$ 386,700
Subtotal Alt 2 Minimum=	\$ 2,482,525

Class 4 Estimate Range	-15%	\$ (372,379)
	30%	\$ 744,758
Construction Subtotal with Range		
\$	2,110,146	to \$ 3,227,283

HIGH BUILD	
Harriman - Promenade	\$ 1,126,875
Hawthorne & Harriman - Raised Intersection	\$ 264,050
Harriman & Irving - Raised Intersection	\$ 270,600
Construction Subtotal Alt 2 Maximum=	\$ 1,661,525
Mobilization (10%)	\$ 166,200
Temporary Protection & Direction of Traffic (5%)	\$ 83,100
Erosion Control (2%)	\$ 33,300
Construction Survey Work (5%)	\$ 83,100
Removal of Structures & Obstructions (2%)	\$ 33,300
Permanent Signing (1.5%)	\$ 25,000
Landscaping & Irrigation (10%)	\$ 166,200
Construction Engineering & Management (25%)	\$ 415,400
Subtotal Alt 2 Maximum=	\$ 2,667,125

Class 4 Estimate Range	-15%	\$ (400,069)
	30%	\$ 800,138
Construction Subtotal with Range		
\$	2,267,056	to \$ 3,467,263

HAWTHORNE - ALTERNATIVE 1: PROMENADE

LOW BUILD	
Hawthorne - Alternative 1 (3rd to 4th)	\$ 695,000
Alternative 1 (4th to 5th - New Sidewalk & Sharrows)	\$ 416,850
Hawthorne & 3rd - Traffic Signal & No Median	\$ 634,000
Construction Subtotal Alt 1 Minimum=	\$ 1,745,850
Mobilization (10%)	\$ 174,600
Temporary Protection & Direction of Traffic (5%)	\$ 87,300
Erosion Control (2%)	\$ 35,000
Construction Survey Work (5%)	\$ 87,300
Removal of Structures & Obstructions (2%)	\$ 35,000
Permanent Signing (1.5%)	\$ 26,200
Landscaping & Irrigation (10%)	\$ 174,600
Construction Engineering & Management (25%)	\$ 436,500
Subtotal Alt 1 Minimum=	\$ 2,802,350

Class 4 Estimate Range	-15%	\$ (420,353)
	30%	\$ 840,705
Construction Subtotal with Range		
\$	2,381,998	to \$ 3,643,055

HIGH BUILD	
Hawthorne - Alternative 1 (3rd to 4th)	\$ 695,000
Hawthorne - Alternative 1 (4th to 5th - Promenade)	\$ 497,600
Hawthorne & 3rd - Traffic Signal & Full Median	\$ 654,500
Construction Subtotal Alt 1 Maximum=	\$ 1,847,100
Mobilization (10%)	\$ 184,800
Temporary Protection & Direction of Traffic (5%)	\$ 92,400
Erosion Control (2%)	\$ 37,000
Construction Survey Work (5%)	\$ 92,400
Removal of Structures & Obstructions (2%)	\$ 37,000
Permanent Signing (1.5%)	\$ 27,800
Landscaping & Irrigation (10%)	\$ 184,800
Construction Engineering & Management (25%)	\$ 461,800
Subtotal Alt 1 Maximum=	\$ 2,965,100

Class 4 Estimate Range	-15%	\$ (444,765)
	30%	\$ 889,530
Construction Subtotal with Range		
\$	2,520,335	to \$ 3,854,630

HAWTHORNE - ALTERNATIVE 2: CYCLE TRACK

LOW BUILD	
Hawthorne - Alternative 2 (3rd to 4th)	\$ 351,300
Hawthorne - Alternative 2 (4th to 5th - Sharrows)	\$ 1,600
Hawthorne & 3rd - Traffic Signal & No Median	\$ 634,000
Construction Subtotal Alt 2 Minimum=	\$ 986,900
Mobilization (10%)	\$ 98,700
Temporary Protection & Direction of Traffic (5%)	\$ 49,400
Erosion Control (2%)	\$ 19,800
Construction Survey Work (5%)	\$ 49,400
Removal of Structures & Obstructions (2%)	\$ 19,800
Permanent Signing (1.5%)	\$ 14,900
Landscaping & Irrigation (10%)	\$ 98,700
Construction Engineering & Management (25%)	\$ 246,800
Subtotal Alt 2 Minimum=	\$ 1,584,400

Class 4 Estimate Range	-15%	\$ (237,660)
	30%	\$ 475,320
Construction Subtotal with Range		
\$	1,346,740	to \$ 2,059,720

HIGH BUILD	
Hawthorne - Alternative 2 (3rd to 4th)	\$ 351,300
Hawthorne - Alternative 2 (4th to 5th - Cycle Track)	\$ 373,850
Hawthorne & 3rd - Traffic Signal & Full Median	\$ 654,500
Construction Subtotal Alt 2 Maximum=	\$ 1,379,650
Mobilization (10%)	\$ 138,000
Temporary Protection & Direction of Traffic (5%)	\$ 69,000
Erosion Control (2%)	\$ 27,600
Construction Survey Work (5%)	\$ 69,000
Removal of Structures & Obstructions (2%)	\$ 27,600
Permanent Signing (1.5%)	\$ 20,700
Landscaping & Irrigation (10%)	\$ 138,000
Construction Engineering & Management (25%)	\$ 345,000
Subtotal Alt 2 Maximum=	\$ 2,214,550

Class 4 Estimate Range	-15%	\$ (332,183)
	30%	\$ 664,365
Construction Subtotal with Range		
\$	1,882,368	to \$ 2,878,915

HAWTHORNE - ALTERNATIVE 3: SHARED STREET

LOW BUILD	
Hawthorne - Alternative 3 (3rd to 4th)	\$ 1,107,250
Hawthorne - Alternative 3 (4th to 5th)	\$ 413,250
Hawthorne & 3rd - Traffic Signal & No Median (Alternative 3)	\$ 629,700
Construction Subtotal Alt 3 Minimum=	\$ 2,150,200
Mobilization (10%)	\$ 215,100
Temporary Protection & Direction of Traffic (5%)	\$ 107,600
Erosion Control (2%)	\$ 43,100
Construction Survey Work (5%)	\$ 107,600
Removal of Structures & Obstructions (2%)	\$ 43,100
Permanent Signing (1.5%)	\$ 32,300
Landscaping & Irrigation (10%)	\$ 215,100
Construction Engineering & Management (25%)	\$ 537,600
Subtotal Alt 3 Minimum=	\$ 3,451,700

Class 4 Estimate Range	-15%	\$ (517,755)
	30%	\$ 1,035,510
Construction Subtotal with Range		
\$	2,933,945	to \$ 4,487,210

HIGH BUILD	
Hawthorne - Alternative 3 (3rd to 4th)	\$ 1,107,250
Hawthorne - Alternative 3 (4th to 5th)	\$ 413,250
Hawthorne & 3rd - Traffic Signal & Partial Median	\$ 678,950
Construction Subtotal Alt 3 Maximum=	\$ 2,199,450
Mobilization (10%)	\$ 220,000
Temporary Protection & Direction of Traffic (5%)	\$ 110,000
Erosion Control (2%)	\$ 44,000
Construction Survey Work (5%)	\$ 110,000
Removal of Structures & Obstructions (2%)	\$ 44,000
Permanent Signing (1.5%)	\$ 33,000
Landscaping & Irrigation (10%)	\$ 220,000
Construction Engineering & Management (25%)	\$ 549,900
Subtotal Alt 3 Maximum=	\$ 3,530,350

Class 4 Estimate Range	-15%	\$ (529,553)
	30%	\$ 1,059,105
Construction Subtotal with Range		
\$	3,000,798	to \$ 4,589,455

Concept Level Opinion of Cost
City of Bend
Hawthorne Connections
February 2026

ITEM DESCRIPTION			Harriman - Speed Humps & Sharrows		Harriman - Promenade		Hawthorne & Harriman - Raised Intersection		Hawthorne & Harriman - Raised Crosswalk	
ROADWORK (00300)	UNIT	UNIT PRICE								
General Excavation	CY	\$ 35	200	\$ 7,000	600	\$ 21,000	200	\$ 7,000	200	\$ 7,000
DRAINAGE AND SEWERS (00400)										
Storm Sewer Pipe	LF	\$ 200	200	\$ 40,000	1,300	\$ 260,000	300	\$ 60,000	250	\$ 50,000
Concrete Inlets	EA	\$ 3,500	3	\$ 10,500	25	\$ 87,500	8	\$ 28,000	7	\$ 24,500
Concrete Manholes, Storm Sewer Standard	EA	\$ 10,000	1	\$ 10,000	13	\$ 130,000	0	\$ -	0	\$ -
Drywell Facility	EA	\$ 50,000	0	\$ -	6	\$ 300,000	1	\$ 50,000	1	\$ 50,000
Concrete Manholes, Sedimentation	EA	\$ 5,000	0	\$ -	6	\$ 30,000	1	\$ 5,000	1	\$ 5,000
BASES (00600)										
Aggregate Base	TON	\$ 50	200	\$ 10,000	500	\$ 25,000	200	\$ 10,000	200	\$ 10,000
WEARING SURFACES (00700)										
Level 3 HMA	TON	\$ 150	40	\$ 6,000	10	\$ 1,500	0	\$ -	0	\$ -
Plain Concrete Pavement	SY	\$ 150	0	\$ -	0	\$ -	400	\$ 60,000	200	\$ 30,000
Concrete Curbs, Standard	LF	\$ 25	600	\$ 15,000	900	\$ 22,500	300	\$ 7,500	300	\$ 7,500
Concrete Curbs, Mountable	LF	\$ 30	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Concrete Walks	SF	\$ 9	2,100	\$ 18,900	16,400	\$ 147,600	2,000	\$ 18,000	2,100	\$ 18,900
Concrete Driveways	SF	\$ 15	900	\$ 13,500	3,500	\$ 52,500	0	\$ -	0	\$ -
Extra for ADA Curb Ramps	EA	\$ 2,000	1	\$ 2,000	7	\$ 14,000	5	\$ 10,000	7	\$ 14,000
Truncated Dome Detectible Warnings	SF	\$ 45	10	\$ 450	150	\$ 6,750	170	\$ 7,650	110	\$ 4,950
Detectable Guide Strip, Blue	SF	\$ 100	0	\$ -	30	\$ 3,000	0	\$ -	0	\$ -
Concrete Median	SF	\$ 25	0	\$ -	509	\$ 12,725	0	\$ -	0	\$ -
PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES (00800)										
Longitudinal Markings, Paint	LF	\$ 5	460	\$ 2,300	1,170	\$ 5,850	0	\$ -	0	\$ -
Pavement Legend, Type B-HS: Arrows	EA	\$ 400	4	\$ 1,600	4	\$ 1,600	0	\$ -	0	\$ -
Pavement Legend, Type B-HS: Bicycle Lane Stencil	EA	\$ 400	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Pavement Legend, Type B-HS: Sharrows	EA	\$ 400	16	\$ 6,400	1	\$ 400	0	\$ -	0	\$ -
Pavement Legend, Type B-HS: Speed Bump	EA	\$ 400	6	\$ 2,400	0	\$ -	0	\$ -	4	\$ 1,600
Pavement Bar, Type B-HS	SF	\$ 15	80	\$ 1,200	0	\$ -	60	\$ 900	350	\$ 5,250
Green Bicycle Lane, Methyl Methacrylate	SF	\$ 15	0	\$ -	330	\$ 4,950	0	\$ -	0	\$ -
Traffic Signal	EA	\$ 500,000	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Construction Subtotal =				\$ 147,250		\$ 1,126,875		\$ 264,050		\$ 228,700

Concept Level Opinion of Cost
City of Bend
Hawthorne Connections
Febraury 2026

ITEM DESCRIPTION			Harriman & Irving - Raised Crosswalk		Harriman & Irving - Curb Extensions (Promenade)		Harriman & Irving - Curb Extensions (Sharrows)		Harriman & Irving - Raised Intersection	
ROADWORK (00300)	UNIT	UNIT PRICE								
General Excavation	CY	\$ 35	100	\$ 3,500	100	\$ 3,500	100	\$ 3,500	200	\$ 7,000
DRAINAGE AND SEWERS (00400)										
Storm Sewer Pipe	LF	\$ 200	350	\$ 70,000	300	\$ 60,000	300	\$ 60,000	350	\$ 70,000
Concrete Inlets	EA	\$ 3,500	8	\$ 28,000	7	\$ 24,500	7	\$ 24,500	8	\$ 28,000
Concrete Manholes, Storm Sewer Standard	EA	\$ 10,000	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Drywell Facility	EA	\$ 50,000	1	\$ 50,000	1	\$ 50,000	1	\$ 50,000	1	\$ 50,000
Concrete Manholes, Sedimentation	EA	\$ 5,000	1	\$ 5,000	1	\$ 5,000	1	\$ 5,000	1	\$ 5,000
BASES (00600)										
Aggregate Base	TON	\$ 50	100	\$ 5,000	100	\$ 5,000	100	\$ 5,000	200	\$ 10,000
WEARING SURFACES (00700)										
Level 3 HMA	TON	\$ 150	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Plain Concrete Pavement	SY	\$ 150	100	\$ 15,000	0	\$ -	0	\$ -	400	\$ 60,000
Concrete Curbs, Standard	LF	\$ 25	300	\$ 7,500	300	\$ 7,500	400	\$ 10,000	300	\$ 7,500
Concrete Curbs, Mountable	LF	\$ 30	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Concrete Walks	SF	\$ 9	1,200	\$ 10,800	1,200	\$ 10,800	900	\$ 8,100	1,200	\$ 10,800
Concrete Driveways	SF	\$ 15	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Extra for ADA Curb Ramps	EA	\$ 2,000	8	\$ 16,000	8	\$ 16,000	8	\$ 16,000	8	\$ 16,000
Truncated Dome Detectible Warnings	SF	\$ 45	120	\$ 5,400	120	\$ 5,400	90	\$ 4,050	120	\$ 5,400
Detectable Guide Strip, Blue	SF	\$ 100	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Concrete Median	SF	\$ 25	0	\$ -	0	\$ -	0	\$ -	0	\$ -
PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES (00800)										
Longitudinal Markings, Paint	LF	\$ 5	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Pavement Legend, Type B-HS: Arrows	EA	\$ 400	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Pavement Legend, Type B-HS: Bicycle Lane Stencil	EA	\$ 400	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Pavement Legend, Type B-HS: Sharrows	EA	\$ 400	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Pavement Legend, Type B-HS: Speed Bump	EA	\$ 400	2	\$ 800	0	\$ -	0	\$ -	0	\$ -
Pavement Bar, Type B-HS	SF	\$ 15	180	\$ 2,700	210	\$ 3,150	210	\$ 3,150	60	\$ 900
Green Bicycle Lane, Methyl Methacrylate	SF	\$ 15	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Traffic Signal	EA	\$ 500,000	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Construction Subtotal =				\$ 219,700		\$ 190,850		\$ 189,300		\$ 270,600

Concept Level Opinion of Cost
City of Bend
Hawthorne Connections
Februaury 2026

ITEM DESCRIPTION			Hawthorne - Alternative 1 (3rd to 4th)		Hawthorne - Alternative 1 (4th to 5th - Promenade)		Hawthorne - Alternative 1 (4th to 5th - New Sidewalk & Sharrows)		Hawthorne - Alternative 2 (3rd to 4th)	
ROADWORK (00300)	UNIT	UNIT PRICE								
General Excavation	CY	\$ 35	400	\$ 14,000	300	\$ 10,500	100	\$ 3,500	300	\$ 10,500
DRAINAGE AND SEWERS (00400)										
Storm Sewer Pipe	LF	\$ 200	750	\$ 150,000	500	\$ 100,000	500	\$ 100,000	350	\$ 70,000
Concrete Inlets	EA	\$ 3,500	15	\$ 52,500	10	\$ 35,000	10	\$ 35,000	7	\$ 24,500
Concrete Manholes, Storm Sewer Standard	EA	\$ 10,000	8	\$ 80,000	5	\$ 50,000	5	\$ 50,000	4	\$ 40,000
Drywell Facility	EA	\$ 50,000	4	\$ 200,000	3	\$ 150,000	3	\$ 150,000	2	\$ 100,000
Concrete Manholes, Sedimentation	EA	\$ 5,000	4	\$ 20,000	3	\$ 15,000	3	\$ 15,000	2	\$ 10,000
BASES (00600)										
Aggregate Base	TON	\$ 50	300	\$ 15,000	300	\$ 15,000	100	\$ 5,000	300	\$ 15,000
WEARING SURFACES (00700)										
Level 3 HMA	TON	\$ 150	0	\$ -	0	\$ -	0	\$ -	130	\$ 19,500
Plain Concrete Pavement	SY	\$ 150	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Concrete Curbs, Standard	LF	\$ 25	400	\$ 10,000	0	\$ -	600	\$ 15,000	400	\$ 10,000
Concrete Curbs, Mountable	LF	\$ 30	600	\$ 18,000	600	\$ 18,000	0	\$ -	0	\$ -
Concrete Walks	SF	\$ 9	10,200	\$ 91,800	6,900	\$ 62,100	2,400	\$ 21,600	2,200	\$ 19,800
Concrete Driveways	SF	\$ 15	1,200	\$ 18,000	2,000	\$ 30,000	600	\$ 9,000	0	\$ -
Extra for ADA Curb Ramps	EA	\$ 2,000	8	\$ 16,000	4	\$ 8,000	4	\$ 8,000	5	\$ 10,000
Truncated Dome Detectible Warnings	SF	\$ 45	170	\$ 7,650	80	\$ 3,600	70	\$ 3,150	60	\$ 2,700
Detectable Guide Strip, Blue	SF	\$ 100	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Concrete Median	SF	\$ 25	0	\$ -	0	\$ -	0	\$ -	0	\$ -
PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES (00800)										
Longitudinal Markings, Paint	LF	\$ 5	30	\$ 150	0	\$ -	0	\$ -	2,600	\$ 13,000
Pavement Legend, Type B-HS: Arrows	EA	\$ 400	1	\$ 400	1	\$ 400	0	\$ -	1	\$ 400
Pavement Legend, Type B-HS: Bicycle Lane Stencil	EA	\$ 400	0	\$ -	0	\$ -	0	\$ -	2	\$ 800
Pavement Legend, Type B-HS: Sharrows	EA	\$ 400	0	\$ -	0	\$ -	4	\$ 1,600	0	\$ -
Pavement Legend, Type B-HS: Speed Bump	EA	\$ 400	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Pavement Bar, Type B-HS	SF	\$ 15	100	\$ 1,500	0	\$ -	0	\$ -	190	\$ 2,850
Green Bicycle Lane, Methyl Methacrylate	SF	\$ 15	0	\$ -	0	\$ -	0	\$ -	150	\$ 2,250
Traffic Signal	EA	\$ 500,000	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Construction Subtotal =				\$ 695,000		\$ 497,600		\$ 416,850		\$ 351,300

Concept Level Opinion of Cost
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ITEM DESCRIPTION			Hawthorne - Alternative 2 (4th to 5th - Cycle Track)		Hawthorne - Alternative 2 (4th to 5th - Sharrows)		Hawthorne - Alternative 3 (3rd to 4th)		Hawthorne - Alternative 3 (4th to 5th)	
ROADWORK (00300)	UNIT	UNIT PRICE								
General Excavation	CY	\$ 35	100	\$ 3,500	0	\$ -	1,100	\$ 38,500	100	\$ 3,500
DRAINAGE AND SEWERS (00400)										
Storm Sewer Pipe	LF	\$ 200	450	\$ 90,000	0	\$ -	850	\$ 170,000	500	\$ 100,000
Concrete Inlets	EA	\$ 3,500	9	\$ 31,500	0	\$ -	17	\$ 59,500	10	\$ 35,000
Concrete Manholes, Storm Sewer Standard	EA	\$ 10,000	5	\$ 50,000	0	\$ -	9	\$ 90,000	5	\$ 50,000
Drywell Facility	EA	\$ 50,000	3	\$ 150,000	0	\$ -	5	\$ 250,000	3	\$ 150,000
Concrete Manholes, Sedimentation	EA	\$ 5,000	3	\$ 15,000	0	\$ -	5	\$ 25,000	3	\$ 15,000
BASES (00600)										
Aggregate Base	TON	\$ 50	100	\$ 5,000	0	\$ -	900	\$ 45,000	100	\$ 5,000
WEARING SURFACES (00700)										
Level 3 HMA	TON	\$ 150	30	\$ 4,500	0	\$ -	0	\$ -	0	\$ -
Plain Concrete Pavement	SY	\$ 150	0	\$ -	0	\$ -	2,000	\$ 300,000	0	\$ -
Concrete Curbs, Standard	LF	\$ 25	500	\$ 12,500	0	\$ -	500	\$ 12,500	600	\$ 15,000
Concrete Curbs, Mountable	LF	\$ 30	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Concrete Walks	SF	\$ 9	0	\$ -	0	\$ -	8,200	\$ 73,800	3,000	\$ 27,000
Concrete Driveways	SF	\$ 15	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Extra for ADA Curb Ramps	EA	\$ 2,000	0	\$ -	0	\$ -	8	\$ 16,000	4	\$ 8,000
Truncated Dome Detectible Warnings	SF	\$ 45	0	\$ -	0	\$ -	120	\$ 5,400	70	\$ 3,150
Detectable Guide Strip, Blue	SF	\$ 100	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Concrete Median	SF	\$ 25	0	\$ -	0	\$ -	0	\$ -	0	\$ -
PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES (00800)										
Longitudinal Markings, Paint	LF	\$ 5	1,910	\$ 9,550	0	\$ -	3,110	\$ 15,550	0	\$ -
Pavement Legend, Type B-HS: Arrows	EA	\$ 400	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Pavement Legend, Type B-HS: Bicycle Lane Stencil	EA	\$ 400	2	\$ 800	0	\$ -	0	\$ -	0	\$ -
Pavement Legend, Type B-HS: Sharrows	EA	\$ 400	0	\$ -	4	\$ 1,600	0	\$ -	4	\$ 1,600
Pavement Legend, Type B-HS: Speed Bump	EA	\$ 400	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Pavement Bar, Type B-HS	SF	\$ 15	0	\$ -	0	\$ -	400	\$ 6,000	0	\$ -
Green Bicycle Lane, Methyl Methacrylate	SF	\$ 15	100	\$ 1,500	0	\$ -	0	\$ -	0	\$ -
Traffic Signal	EA	\$ 500,000	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Construction Subtotal =				\$ 373,850		\$ 1,600		\$ 1,107,250		\$ 413,250

Concept Level Opinion of Cost
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ITEM DESCRIPTION			Hawthorne & 3rd - Traffic Signal & Full Median		Hawthorne & 3rd - Traffic Signal & No Median		Hawthorne & 3rd - Traffic Signal & No Median (Alternative 3)		Hawthorne & 3rd - Traffic Signal & Partial Median	
ROADWORK (00300)	UNIT	UNIT PRICE								
General Excavation	CY	\$ 35	100	\$ 3,500	100	\$ 3,500	100	\$ 3,500	100	\$ 3,500
DRAINAGE AND SEWERS (00400)										
Storm Sewer Pipe	LF	\$ 200	150	\$ 30,000	150	\$ 30,000	150	\$ 30,000	150	\$ 30,000
Concrete Inlets	EA	\$ 3,500	2	\$ 7,000	2	\$ 7,000	2	\$ 7,000	2	\$ 7,000
Concrete Manholes, Storm Sewer Standard	EA	\$ 10,000	1	\$ 10,000	1	\$ 10,000	1	\$ 10,000	1	\$ 10,000
Drywell Facility	EA	\$ 50,000	1	\$ 50,000	1	\$ 50,000	1	\$ 50,000	1	\$ 50,000
Concrete Manholes, Sedimentation	EA	\$ 5,000	1	\$ 5,000	1	\$ 5,000	1	\$ 5,000	1	\$ 5,000
BASES (00600)										
Aggregate Base	TON	\$ 50	100	\$ 5,000	100	\$ 5,000	100	\$ 5,000	100	\$ 5,000
WEARING SURFACES (00700)										
Level 3 HMA	TON	\$ 150	10	\$ 1,500	0	\$ -	0	\$ -	10	\$ 1,500
Plain Concrete Pavement	SY	\$ 150	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Concrete Curbs, Standard	LF	\$ 25	300	\$ 7,500	100	\$ 2,500	100	\$ 2,500	800	\$ 20,000
Concrete Curbs, Mountable	LF	\$ 30	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Concrete Walks	SF	\$ 9	300	\$ 2,700	300	\$ 2,700	300	\$ 2,700	300	\$ 2,700
Concrete Driveways	SF	\$ 15	300	\$ 4,500	300	\$ 4,500	300	\$ 4,500	300	\$ 4,500
Extra for ADA Curb Ramps	EA	\$ 2,000	2	\$ 4,000	2	\$ 4,000	2	\$ 4,000	2	\$ 4,000
Truncated Dome Detectible Warnings	SF	\$ 45	80	\$ 3,600	30	\$ 1,350	30	\$ 1,350	50	\$ 2,250
Detectable Guide Strip, Blue	SF	\$ 100	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Concrete Median	SF	\$ 25	470	\$ 11,750	0	\$ -	0	\$ -	940	\$ 23,500
PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES (00800)										
Longitudinal Markings, Paint	LF	\$ 5	50	\$ 250	50	\$ 250	0	\$ -	270	\$ 1,350
Pavement Legend, Type B-HS: Arrows	EA	\$ 400	1	\$ 400	1	\$ 400	1	\$ 400	1	\$ 400
Pavement Legend, Type B-HS: Bicycle Lane Stencil	EA	\$ 400	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Pavement Legend, Type B-HS: Sharrows	EA	\$ 400	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Pavement Legend, Type B-HS: Speed Bump	EA	\$ 400	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Pavement Bar, Type B-HS	SF	\$ 15	250	\$ 3,750	250	\$ 3,750	250	\$ 3,750	270	\$ 4,050
Green Bicycle Lane, Methyl Methacrylate	SF	\$ 15	270	\$ 4,050	270	\$ 4,050	0	\$ -	280	\$ 4,200
Traffic Signal	EA	\$ 500,000	1	\$ 500,000	1	\$ 500,000	1	\$ 500,000	1	\$ 500,000
Construction Subtotal =				\$ 654,500		\$ 634,000		\$ 629,700		\$ 678,950