



# **APPENDIX D**

## **WAYFINDING COST ESTIMATES**

Village		Signs(+10% Cont)	Pavement Graphics	Trailhead	Rest Stop	Interpretive	Park/Ride	TOTAL
<b>Village of Alden Bridge</b>		\$668,470	\$74,500	\$68,425	\$132,756	\$60,800	\$0	<b>\$1,004,951</b>
<b>Village of Cochran's Crossing</b>		\$251,570	\$36,500	\$68,425	\$71,760	\$30,400	\$0	<b>\$458,655</b>
<b>Village of Creekside Park</b>		\$130,790	\$11,500	\$68,425	\$66,976	\$30,400	\$0	<b>\$308,091</b>
<b>Village of Grogan's Mill</b>		\$431,310	\$59,500	\$68,425	\$68,172	\$30,400	\$0	<b>\$657,807</b>
<b>Village of Indian Springs</b>		\$134,970	\$12,500	\$68,425	\$9,568	\$30,400	\$0	<b>\$255,863</b>
<b>Village of Panther Creek</b>		\$275,770	\$33,000	\$68,425	\$58,604	\$30,400	\$0	<b>\$466,199</b>
<b>Village of Research Forest</b>		\$233,970	\$27,000	\$68,425	\$28,704	\$30,400	\$106,950	<b>\$495,449</b>
<b>Village of Sterling Ridge</b>		\$317,020	\$29,500	\$68,425	\$107,640	\$30,400	\$106,950	<b>\$659,935</b>
<b>Town Center</b>		\$187,220	\$19,500	\$68,425	\$47,840	\$30,400	\$0	<b>\$353,385</b>
<b>Subtotal Construction Cost</b>		\$2,631,090	\$303,500	\$ 615,825	\$592,020	\$ 304,000	\$ 213,900	<b>\$ 4,660,335</b>

Village	Roadway	Length (miles)	Trail Type	Signs	Pavement Graphics	Trailhead	Rest Stop	Interpretive	Park/ Ride	# Intersect. Streets
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**Village of Alden Bridge**

Alden Bridge	Alden Bridge Drive	0.6	Sidepath	217	72	1	1	1	0	
Alden Bridge	Alden Bridge Drive	4.9	Bike Lanes	82	72	0	0			36
Alden Bridge	College Park Drive	2.2	Sidepath	52	16	0	2	0	0	
Alden Bridge	College Park Drive	2.9	Seperated Bike Lanes	28	16	0				8
Alden Bridge	Crownridge Drive	2.1	Bike Lanes	48	42	0				21
Alden Bridge	Egypt Lane	0.4	Sidepath	25	8	0	0	1	0	4
Alden Bridge	FM 2978	0.7	Seperated Bike Lanes	8	6	0				3
Alden Bridge	Gosling Road	0.7	Seperated Bike Lanes	10	8	0				4
Alden Bridge	Green Bridge Drive	0.9	Bike Lanes	13	10	0				5
Alden Bridge	Kuykendahl Road	3.0	Shared Use Path	36	12	0	3	0	0	6
Alden Bridge	Research Forest Dr	2.7	Sidepath	59	18	0	3	0	0	
Alden Bridge	Research Forest Dr	2.3	Seperated Bike Lanes	25	18	0				9
Alden Bridge	SH 242	2.2	Side Path	4	0	0	2	0	0	
<b>Total qty per village.</b>				608	298	1	11	2	0	
<i>Unit Cost</i>				\$ 1,000	\$ 250	\$ 68,425	\$ 11,960	\$ 30,400	\$ 106,950	
<b>Subtotal</b>				<b>\$607,700</b>	<b>\$ 74,500</b>	<b>\$ 68,425</b>	<b>\$ 132,756</b>	<b>\$ 60,800</b>	<b>\$ -</b>	<b>\$ 944,181</b>

**Village of Cochran's Crossing**

Cochran's Crossing	Cochran's Crossing D	4.4	Bike Lanes	53	40					20
Cochran's Crossing	Gosling Road	1.7	Seperated Bike Lanes	13	8					4
Cochran's Crossing	Kuykendahl Road	2.2	Shared Use Path	34	10	1	2	1	0	5
Cochran's Crossing	Lake Woodlands Dr	2.2	Seperated Bike Lanes	33	26					13
Cochran's Crossing	Research Forest Dr	3.0	Seperated Bike Lanes	37	28					14
Cochran's Crossing	Shadowbend Place	1.6	Bike Lanes	33	28					

Village	Roadway	Length (miles)	Trail Type	Signs	Pavement Graphics	Trailhead	Rest Stop	Interpretive	Park/ Ride	# Intersect. Streets
										14
Cochran's Crossing	Woodlands Parkway	3.8	Shared Use Path	26	6	0	4	0	0	3
										0
			<b>Total qty per village.</b>	229	146	1	6	1	0	
			<i>Unit Cost</i>	\$ 1,000	\$ 250	\$ 68,425	\$ 11,960	\$ 30,400	\$ 106,950	
			<b>Subtotal</b>	<b>\$ 228,700</b>	<b>\$ 36,500</b>	<b>\$ 68,425</b>	<b>\$ 71,760</b>	<b>\$ 30,400</b>	<b>\$ -</b>	<b>\$ 435,785</b>

**Village of Creekside Park**

Creekside Park	Calton Woods Creek	0.8	Side Path	14	4	1	1	1	0	2
										10
Creekside Park	Creekside Forest Dr	3.2	Bike Lanes	30	20					2
										9
Creekside Park	Creekside Green Dr	2.7	Bike Lanes	12	4					
										0
Creekside Park	Kuykendahl Road	4.8	Shared Use Path	64	18	0	5	0	0	
										0
			<b>Total qty per village.</b>	119	46	1	6	1	0	
			<i>Unit Cost</i>	\$ 1,000	\$ 250	\$ 68,425	\$ 11,960	\$ 30,400	\$ 106,950	
			<b>Subtotal</b>	<b>\$ 118,900</b>	<b>\$ 11,500</b>	<b>\$ 68,425</b>	<b>\$ 66,976</b>	<b>\$ 30,400</b>	<b>\$ -</b>	<b>\$ 296,201</b>

**Village of Grogan's Mill**

Grogan's Mill	Grogan's Mill Road	1.9	Sidepath	64	20	1	2	1	0	10
										31
Grogan's Mill	Grogan's Mill Road	2.3	Seperated Bike Lanes	27	20					
										14
Grogan's Mill	N Millbend Drive	1.5	Bike Lanes	67	62					4
										5
Grogan's Mill	S Millbend Drive	1.8	Bike Lanes	67	62					
										0
Grogan's Mill	Sawdust Road	1.8	Sidepath	88	28	0	2	0	0	
										14
Grogan's Mill	Sawdust Road	3.0	Bike Lanes	37	28					
										4
Grogan's Mill	Six Pines Drive	0.3	Bike Lanes	9	8					
										5
Grogan's Mill	Woodlands Parkway	2.0	Shared Use Path	34	10	0	2	0	0	
										0
			<b>Total qty per village.</b>	392	238	1	6	1	0	
			<i>Unit Cost</i>	\$ 1,000	\$ 250	\$ 68,425	\$ 11,960	\$ 30,400	\$ 106,950	
			<b>Subtotal</b>	<b>\$ 392,100</b>	<b>\$ 59,500</b>	<b>\$ 68,425</b>	<b>\$ 68,172</b>	<b>\$ 30,400</b>	<b>\$ -</b>	<b>\$ 618,597</b>

Village	Roadway	Length (miles)	Trail Type	Signs	Pavement Graphics	Trailhead	Rest Stop	Interpretive	Park/ Ride	# Intersect. Streets
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**Village of Indian Springs**

Indian Springs	Flintridge Drive	3.4	Bike Lanes	82	36					18
Indian Springs	Gosling Road	2.0	Seperated Bike Lanes	18	6					3
Indian Springs	John Cooper Drive	0.3	Bike Lanes	9	4					2
Indian Springs	Kuykendahl Road	0.8	Shared Use Path	14	4	1	1	1	0	2
<b>Total qty per village.</b>				123	50	1	1	1	0	
<i>Unit Cost</i>				\$ 1,000	\$ 250	\$ 68,425	\$ 11,960	\$ 30,400	\$ 106,950	
<b>Subtotal</b>				<b>\$122,700</b>	<b>\$ 12,500</b>	<b>\$ 68,425</b>	<b>\$ 9,568</b>	<b>\$ 30,400</b>	<b>\$ -</b>	<b>\$ 243,593</b>

**Village of Panther Creek**

Panther Creek	Glen Loch Drive	0.7	Bike Lanes	22	10					5
Panther Creek	Lake Woodlands Dr	2.3	Seperated Bike Lanes	43	18					9
Panther Creek	N Panther Creek Dr	3.1	Bike Lanes	101	46					23
Panther Creek	New Trails Drive	0.5	Bike Lanes	18	8					4
Panther Creek	S Panther Creek Dr	1.6	Sidepath	3	16	1	2	1	0	
Panther Creek	S Panther Creek Dr	1.5	Bike Lanes	21	16					8
Panther Creek	Shadowbend Place	0.2	Bike Lanes	13	6					3
Panther Creek	Woodlands Parkway	3.3	Shared Use Path	31	12	0	3	0	0	6
<b>Total qty per village.</b>				251	132	1	5	1	0	
<i>Unit Cost</i>				\$ 1,000	\$ 250	\$ 68,425	\$ 11,960	\$ 30,400	\$ 106,950	
<b>Subtotal</b>				<b>\$250,700</b>	<b>\$ 33,000</b>	<b>\$ 68,425</b>	<b>\$ 58,604</b>	<b>\$ 30,400</b>	<b>\$ -</b>	<b>\$ 441,129</b>

Village	Roadway	Length (miles)	Trail Type	Signs	Pavement Graphics	Trailhead	Rest Stop	Interpretive	Park/ Ride	# Intersect. Streets
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**Village of Research Forest**

Research Forest	Research Forest Dr	1.8	Sidepath	48	22	1	2	1	1	
Research Forest	Research Forest Dr	2.5	Seperated Bike Lanes	30	22					11
Research Forest	New Trails Drive	0.6	Sidepath	17	8	0	1	0	0	
Research Forest	New Trails Drive	1.0	Bike Lanes	11	8					4
Research Forest	Medical Plaza Drive	0.8	Bike Lanes	18	8					4
Research Forest	Vision Park Blvd.	0.7	Bike Lanes	14	6					3
Research Forest	Gosling Road	0.8	Seperated Bike Lanes	18	8					4
Research Forest	Six Pines Drive	0.5	Bike Lanes	18	8					4
Research Forest	Grogan's Mill Road	1.0	Bike Lanes	39	18					9
<b>Total qty per village.</b>				213	108	1	2	1	1	
				<i>Unit Cost</i>	\$ 1,000	\$ 250	\$ 68,425	\$ 11,960	\$ 30,400	\$ 106,950
<b>Subtotal</b>				<b>\$ 212,700</b>	<b>\$ 27,000</b>	<b>\$ 68,425</b>	<b>\$ 28,704</b>	<b>\$ 30,400</b>	<b>\$ 106,950</b>	<b>\$ 474,179</b>

**Village of Sterling Ridge**

Sterling Ridge	Branch Crossing Dr	3.6	Bike Lanes	39	14					7
Sterling Ridge	Carlton Woods Dr	0.3	Bike Lanes	13	6					3
Sterling Ridge	FM 2978	2.8	Seperated Bike Lanes	64	28					14
Sterling Ridge	Greenmoor Drive	1.0	Sidepath	10	4	1	1	0	1	2
Sterling Ridge	Lake Woodlands Dr	0.6	Seperated Bike Lanes	14	6					3
Sterling Ridge	May Valley Drive	0.6	Sidepath	13	6	0	1	1	0	3
Sterling Ridge	Sterling Ridge Drive	1.8	Bike Lanes	53	24					12
Sterling Ridge	Terramont Drive	2.3	Bike Lanes	27	10					5
Sterling Ridge	Woodlands Parkway	7.4	Shared Use Path	55	20	0	7	0	0	10
<b>Total qty per village.</b>				288	118	1	9	1	1	
				<i>Unit Cost</i>	\$ 1,000	\$ 250	\$ 68,425	\$ 11,960	\$ 30,400	\$ 106,950

Village	Roadway	Length (miles)	Trail Type	Signs	Pavement Graphics	Trailhead	Rest Stop	Interpretive	Park/ Ride	# Intersect. Streets
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**Subtotal \$288,200 \$ 29,500 \$ 68,425 \$107,640 \$ 30,400 \$ 106,950 \$ 631,115**

**Town Center**

Town Center	Grogan's Mill Road	2.0	Seperated Bike Lanes	44	20					
										10
Town Center	Hughes Landing Blvd	0.5	Bike Lanes	10	4					
										2
Town Center	Lake Robbins Drive	1.0	Bike Lanes	27	12					
										6
Town Center	Lake Woodlands Dr	1.4	Sidepath	19	8	1	1	1	0	
Town Center	Lake Woodlands Dr	1.0	Seperated Bike Lanes	11	8					
										4
Town Center	Six Pines Drive	0.9	Bike Lanes	27	12					
										6
Town Center	Timberloch Place	2.6	Sidepath	33	14	0	3	0	0	
										7
<b>Total qty per village.</b>				170	78	1	4	1	0	

*Unit Cost* \$ 1,000 \$ 250 \$ 68,425 \$ 11,960 \$ 30,400 \$ 106,950

**Subtotal \$170,200 \$ 19,500 \$ 68,425 \$ 47,840 \$ 30,400 \$ - \$ 336,365**

<b>Total Overall Qty.</b>	2392	1214	9	50	10	2
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**WAYFINDING SIGNAGE**

ITEM #	DESCRIPTION	UNIT	UNIT QUANTITY	UNIT PRICE	ITEM PRICE
1	Sign Type 1 - Trail Access/ Terminus	EA	0	\$ -	\$ -
2	Sign Type 2 - Crossing and Junctions	EA	0	\$ -	\$ -
3	Sign Type 3 - Destinations	EA	0	\$ -	\$ -
4	Sign Type 4 - Directional	EA	0	\$ -	\$ -
5	Sign Type 5 - Regulatory/ Rules	EA	0	\$ -	\$ -
6	Sign Type 6 - Interpretive/ Informational	EA	0	\$ -	\$ -
7	Sign Type 7 - Trailhead and System Map	EA	0	\$ -	\$ -
8	Sign Type 8 - Pavement Graphics	EA	0	\$ -	\$ -
.	<b>Subtotal</b>			<b>\$ -</b>	<b>\$ -</b>

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**TRAIL AMENITIES - Trailhead**

ITEM #	DESCRIPTION	UNIT	UNIT QTY	UNIT PRICE	ITEM PRICE
1	Site preparation	SF	5000	\$ 1.00	\$ 5,000.00
2	Paving	SF	300	\$ 10.00	\$ 3,000.00
3	BENCH	EA	3	\$ 4,000.00	\$ 12,000.00
4	TRASH/RECYCLING RECEPTACLE	EA	2	\$ 1,500.00	\$ 3,000.00
5	Bike Rack	EA	1	\$ 1,500.00	\$ 1,500.00
6	Trail Sign Kiosk	EA	1	\$ 10,000.00	\$ 10,000.00
7	Overhead Structure w/solar power	EA	1	\$ 25,000.00	\$ 25,000.00
8	Contingency (15%)	EA	1	\$ 8,925.00	\$ 8,925.00
.	<b>Subtotal</b>				<b>\$ 68,425.00</b>

\$ 59,500.00

**TRAIL AMENITIES - Interpretive**

ITEM #	DESCRIPTION	UNIT	UNIT QTY	UNIT PRICE	ITEM PRICE
1	Site preparation	SF	2000	\$ 1.00	\$ 2,000.00
2	Paving	SF	400	\$ 10.00	\$ 4,000.00
3	Bench	EA	1	\$ 4,000.00	\$ 4,000.00
4	Signage	EA	1	\$ 3,000.00	\$ 3,000.00
5	Shade Structure	EA	1	\$ 15,000.00	\$ 15,000.00
6	Trash/Recycling Receptacle	EA	2	\$ 1,200.00	\$ 2,400.00
7	Contingency (15%)	EA	1	\$ 4,560.00	\$ 4,560.00
.	<b>Subtotal</b>				<b>\$ 30,400.00</b>

\$ 30,400.00

**TRAIL AMENITIES - Rest Stop**

ITEM #	DESCRIPTION	UNIT	UNIT QTY	UNIT PRICE	ITEM PRICE
1	Site preparation	SF	1000	\$ 1.00	\$ 1,000.00
2	Paving	SF	150	\$ 10.00	\$ 1,500.00
3	Bench	EA	1	\$ 4,000.00	\$ 4,000.00
4	Signage	EA	1	\$ 1,500.00	\$ 1,500.00



5	Trash/Recycling Receptacle	EA	2	\$ 1,200.00	\$ 2,400.00	\$ 10,400.00
6	Contingency (15%)	EA	1	\$ 1,560.00	\$ 1,560.00	
.	<b>Subtotal</b>				<b>\$ 11,960.00</b>	

**TRAIL AMENITIES - Park & Ride**

ITEM #	DESCRIPTION	UNIT	UNIT QTY	UNIT PRICE	ITEM PRICE	
1	Site preparation	SF	5000	\$ 1.00	\$ 5,000.00	
2	Paving	SF	600	\$ 10.00	\$ 6,000.00	
3	BENCH	EA	2	\$ 4,000.00	\$ 8,000.00	
4	TRASH/RECYCLING RECEPTACLE	EA	2	\$ 1,500.00	\$ 3,000.00	
5	Bike Rack	EA	4	\$ 1,500.00	\$ 6,000.00	
6	Trail Sign Kiosk	EA	1	\$ 10,000.00	\$ 10,000.00	
7	Overhead Structure w/solar power	EA	1	\$ 55,000.00	\$ 55,000.00	\$ 93,000.00
6	Contingency (15%)	EA	1	\$ 13,950.00	\$ 13,950.00	
.	<b>Subtotal</b>				<b>\$ 106,950.00</b>	