APPENDIX F: COST ESTIMATE

Oxon Run Trail Rehabilitation Projec	t	
Summary	Total	Estimated Cost
Phase 1	\$	2,100,000.00
Phase 2	\$	2,000,000.00
Phase 3	\$	3,100,000.00
Phase 4	\$	1,000,000.00
Phase 5	\$	1,600,000.00
Phase 6	\$	700,000.00
Phase 7	\$	200,000.00
$oldsymbol{1}$ Includes Planning, Permitting, Design & Construction for all 7 Phases of Oxon Run Trail Rehabilitation Project.	Fotal: 1 \$	10,700,000.00

	Description: Proposed and rehabilitated trail segments primarily within		Oxon Run Trail Rehabilitation Project								
		Oxon Run Park on the	west side of Oxon I	Run [Priority	1]						
Item No.	Item	Length (lf)	Thickness (")	Qty	Units	Unit Price	Total	Price			
1	Asphalt Surface Course (proposed trail) [10' width]	11,245	2" thickness	1,500	TON	\$ 60.00	\$	90,000.0			
2	Asphalt Surface Course [trail rehabilitation] (8' width)	5.275	1.5" thickness	400	TON	\$ 60.00	\$	24,000.0			
3	Asphalt Base Course [proposed trail] (10' width)	11,245	2" thickness	1.500	TON	\$ 60.00		90,000.0			
4	Aggregate Base Course [proposed trail] (10' width + 1' extension)	11,245	6" thickness	2,300	CY	\$ 50.00	\$	115,000.0			
5	Aggregate Base Course [stonedust path] (4' width + 1'extension)	265	4" thickness	100	CY	\$ 50.00	\$	5,000.0			
5	Excavation [proposed trail] (10' width)	11,245	10" depth	3,500	CY	\$ 20.00	\$	70,000.0			
6	Excavation [trail removal] (8' width)	895	12" depth	300	CY	\$ 20.00	\$	6,000.0			
7	Excavation [stonedust path] (4' width)	265	8" depth	100	CY	\$ 20.00	\$	2,000.0			
8	Excavation [parking lot] (18" depth)	10,200 (sf)	18" depth	600	CY	\$ 20.00	\$	12,000.0			
9	Mill/Demolition [trail rehabilitaton] (8' width)	5,550	1.5" depth	1,700	SY	\$ 6.00		10,200.0			
10	Loam [trail removal] (8' width)	11,095	4" depth	1,100	CY	\$ 25.00	\$	27,500.0			
11	Fill [trail removal] (8' width)	11,095	8" depth	2,200	CY	\$ 20.00	\$	44,000.0			
13	Fill [parking lot] (14" depth)	10,200 (sf)	14" depth	500	CY	\$ 20.00	\$	10,000.0			
14	Stonedust Surface (4' width)	265	4" thickness	100	CY	\$ 20.00	\$	2,000.0			
15	Trail Markings & Signage			20,000	LF	\$ 1.30	\$	26,000			
16	Trail Gateway & Wayside Areas			9	EA	\$ 10,000.00	\$	90,000			
17	Low-Impact Development Area ²			2	EA	\$ 150,000.00	\$	300,000.			
18	Trail Lighting ¹				Exclude	ed					
19	Intersection Improvements ³			4	EA	\$ 8,000.00	\$	32,000.			
					Subtota			960,000.			
	Phase 1: Supplemental Costs										
20	Drainage and E&S (Moderate - 10%)			1	LS	\$ 96,000.00	\$	96,000			
21	Maintenance of Traffic (Moderate - 8%)			1	LS	\$ 76,800.00	\$	76,800			
22	Utility Modifications (Low - 5%)			1	LS	\$ 48,000.00	\$	48,000			
23	Project Approvals & Permitting (Low - 5%)			1	LS	\$ 48,000.00	\$	48,000			
						Subtotal	\$	1,230,000			
24	Mobilizaton (10%)			1	LS	\$ 123,000.00		123,000			
						Subtotal	\$	1,360,000			
				Cons	struction Co	ontingency (25%)	\$	340,000			
	Subtotal							1,700,000			
				Design & Plan	nning Cost ((Moderate - 20%)	\$	340,000			
			Total	Fetimat	ad Cast	for Phase 1	\$	2,100,000.			

Trail Lighting has been excluded from the base cost estimate due to excessive costs. Utilizing traditional Washington Globe fixtures at 70-ft oc spacing, direct burial composite pole with poly-tech sleeve (\$1,400/pole + \$51/lf conduit) Phase 1 total: \$2,200,244.00. Solar light fixtures would potentially provide cost reduction, however at the time of cost estimate, solar

New No. Item No.	Phase 2	Oxon Run Trail Rehabilitation Project								
1		Description: Proposed and rehabilitated trail segments primarily within Oxon Run Park on the east side of Oxon Run [Priority 2]								
Asphalt Surface Course (proposed trail) 110' width)	Item No.	Item	Length (lf)	Thickness (")	Otv	Units	Un	it Price	Tota	al Price
Asphalt Surface Course [trail rehabilitation] [8' width]	1	Asphalt Surface Course (proposed trail) [10' width]								36,000.00
3	2		4,850				\$	60.00	\$	24,000.00
5 Aggregate Base Course [proposed trail] (10' width + 1' extension)	3		130	4" thickness	600	SF	\$	5.00	\$	3,000.00
6 Aggregate Base Course [concrete sidewalk] [4' width + 1'extension] 130	4	Asphalt Base Course [proposed trail] (10' width)	4,195	2" thickness	600	TON	\$	60.00	\$	36,000.00
Text	5	Aggregate Base Course [proposed trail] (10' width + 1' extension)	4,195	6" thickness	900	CY	\$			45,000.00
8 Excavation I proposed trail I (10' width)		Aggregate Base Course [concrete sidewalk] (4' width + 1'extension)		4" thickness	100	CY				5,000.00
10 Excavation Itrail removal [16' width] 2,205 12" depth 700 CY \$ 20.00 \$ 14,000 10 Mill/Demolition (trail rehabilitation) (8' width) 4,190 1,5" depth 1,300 SY \$ 6.00 \$ 7,800 13 Trail Markings & Signage 8 EA \$ 10,000.00 \$ 80,000 14 Trail Gateway & Wayside Areas 8 EA \$ 10,000.00 \$ 80,000 15 Trail Amenity Area (Picnic, Horseshoe Pits & Gazebo) 3 1 LS \$ 20,600.00 \$ 20,600 16 Low-Impact Development Area 2 3 LS \$ 180,000.00 \$ 540,000 17 Trail Lighting 1 Excluded 18 Signal Improvements 4 3 EA \$ 8,000.00 \$ 24,000 19 Drainage and E&S (Moderate - 10%) 1 LS \$ 90,000.00 \$ 90,000 20 Maintenance of Traffic (Moderate - 8%) 1 LS \$ 72,000.00 \$ 72,000 21 Utility Modifications (Low - 5%) 1 LS \$ 45,000.00 \$ 45,000 22 Project Approvals & Permitting (Low - 5%) 1 LS \$ 45,000.00 \$ 45,000 23 Mobilizaton (10%) 1 LS \$ 116,000.00 \$ 116,000 24 Construction Contingency (25%) 3 20,000 25 Construction Contingency (25%) 3 320,000 26 Construction Contingency (25%) 3 320,000 27 Design & Planning Cost (Moderate - 20%) 3 320,000 28 Design & Planning Cost (Moderate - 20%) 3 320,000 29 Design & Planning Cost (Moderate - 20%) 3 320,000 20 Design & Planning Cost (Moderate - 20%) 3 320,000 20 Design & Planning Cost (Moderate - 20%) 3 320,000 20 Design & Planning Cost (Moderate - 20%) 3 320,000 20 Design & Planning Cost (Moderate - 20%) 3 320,000 20 Design & Planning Cost (Moderate - 20%) 3 320,000 21 Design & Planning Cost (Moderate - 20%) 3 320,000 22 Design & Planning Cost (Moderate - 20%) 3 320,000 23 Design & Planning Cost (Moderate - 20%) 3 320,000 24 Design & Planning Cost (Moderate - 20%) 3 320,000 25 Design & Planning Cost (Moderate - 20%) 3 320,000 26 Design & Planning Cost (Moderate - 20%) 3 320,000 27 Design & Planning Cost (Moderate - 20%) 3 3	,									2,000.00
10				10" depth	1,300					26,000.00
13 Trail Markings & Signage										14,000.00
14			4,190	1.5" depth						7,800.00
1										10,700.00
16	14	Trail Gateway & Wayside Areas			8	EA	\$			80,000.00
Trail Lighting Excluded	15	, , , ,				LS	\$	20,600.00	\$	20,600.00
18 Signal Improvements 3 EA \$ 8,000.00 \$ 24,000	16				3	LS	\$	180,000.00	\$	540,000.00
Phase 2: Supplemental Costs Subtotal \$900,000.00 19	17					Exclu	uded			
Phase 2: Supplemental Costs Subtotal \$900,000.00 19	18	Signal Improvements ⁴			3	EA	\$	8,000.00	\$	24,000.00
19								Subtotal	\$	900,000.00
20 Maintenance of Traffic (Moderate - 8%) 1 LS \$ 72,000.00 \$ 72,00 21 Utility Modifications (Low - 5%) 1 LS \$ 45,000.00 \$ 45,00 22 Project Approvals & Permitting (Low - 5%) 1 LS \$ 45,000.00 \$ 45,00 3 Mobilizaton (10%) 1 LS \$ 116,000.00 \$ 116,00 4 Subtotal \$ 1,160,000 5 Subtotal \$ 1,280,000 6 Subtotal \$ 1,280,000 7 Subtotal \$ 1,000,000 8 Subtotal \$ 1,000,000 9 Subtotal \$ 1,000,000 1 Subtotal \$ 320,00 1 Subtotal \$		Phase 2: Supplemental Costs								
21 Utility Modifications (Low - 5%) 1 LS \$ 45,000.00 \$ 45,000 22 Project Approvals & Permitting (Low - 5%) 1 LS \$ 45,000.00 \$ 45,000					1					90,000.00
22 Project Approvals & Permitting (Low - 5%)					1					72,000.00
Subtotal \$ 1,160,000					1					45,000.00
23 Mobilizaton (10%)	22	Project Approvals & Permitting (Low - 5%)			1	LS	\$			45,000.00
Subtotal \$ 1,280,000								Subtotal	\$	1,160,000.00
Subtotal \$ 1,280,000	23	Mobilizaton (10%)			1	LS	\$	116.000.00	\$	116,000.00
Subtotal \$ 1,600,000		1100111241011 (1070)		ı.		20				1,280,000.00
Subtotal \$ 1,600,000										
Design & Planning Cost (Moderate - 20%) \$ 320,00								ngency (25%)	\$	320,000.00
		Subtota							\$	1,600,000.00
Total Estimated Cost for Phase 2 \$ 2,000,000		Design & Planning Cost (Moderate - 20%							\$	320,000.00
		Total Estimated Cost for Phase 2 \$						2,000,000.00		

Trail Lighting has been excluded from the base cost estimate due to excessive costs. Utilizing traditional Washington Globe fixtures at 70-ft oc spacing, direct burial composite pole with poly-tech sleeve (\$1,400/pole + \$51/lf conduit) Phase 2 total: \$1,582,601.00. Solar light fixtures would potentially provide cost reduction, however at the time of cost estimate, solar fixtures similar to Washington Globe fixture were unavailable.

fixtures similar to Washington Globe fixture were unavailable.
Low-Impact Development Areas - Assumed average area of 5,000 sf @ \$30.00/sf, based on the need for water control structures, curbing, and underdrains. (estimate excludes 2nd priority locations)
Intersection Improvements - Assumed upgrades or installation of new bicycle/pedestrian signal heads, push buttons, and signage.

Low-Impact Development Areas - Assumed average area of 6,000 sf @ \$30.00/sf, based on the need for water control structures, curbing, and underdrains. (estimate

excludes 2nd priority locations)
Trail Amenity Area - Assumed to consist of 1 Gazebo, 6 Picnic Tables, 1 Horseshoe Pit, 1 Pavilion & 3 Trash Receptacles

Intersection Improvements - Assumed upgrades or installation of new bicycle/pedestrian signal heads, push buttons, and signage.

Phase 3	Oxon Ru Description: Proposed and rehabilitated trail segments along Oxon Ru	un Trail Rel un primarily withir		,	ect			
Item No.	Item	Length (lf)	Thickness (")	Otv	Units	Unit Price	Tota	l Price
1	Asphalt Surface Course (proposed trail) [10' width]	7,050	2" thickness	900	TON	\$ 60.00	\$	54,000.00
2	Asphalt Surface Course [trail rehabilitation] (8' width)	3,235	1.5" thickness	300	TON	\$ 60.00	\$	18,000.00
3	Asphalt Base Course [proposed trail] (10' width)	7,050		900	TON	\$ 60.00	\$	54,000.00
4	Aggregate Base Course [proposed trail] (10' width + 1' extension)	7,050	6" thickness	1,500	CY	\$ 50.00	\$	75,000.00
5	Excavation [proposed trail] (10' width)	7,050		2,200	CY	\$ 20.00	\$	44,000.00
6	Mill/Demolition [trail rehabilitaton] (8' width)	3,235	1.5" depth	1,000	SY	\$ 6.00	\$	6,000.00
7	Bridge: Stream Crossing at Oxon Run/ Oxon Cove Interface	120-ft 3 span		1	EA	\$ 470,000.00	\$	470,000.00
8	Bridge: Audrey Lane Crossing	30-ft 1 span	Ţ	1	EA	\$ 118,000.00	\$	118,000.00
9	Bridge: Barnaby Run Crossing	145-ft 3 span		1	EA	\$ 570,000.00	\$	570,000.00
10	Trail Lighting ¹ Excluded							
11	Trail Gateway & Wayside Areas			1	EA	\$ 10,000.00	\$	10,000.00
12	Trail Markings & Signage			10,200	LF	\$ 1.30	\$	13,300.00
						Subtotal	\$	1,440,000.00
	†							***************************************
	Phase 3: Supplemental Costs		•					
13	Drainage and E&S (Moderate - 10%)			1	LS	\$ 144,000.00	\$	144,000.0
14	Maintenance of Traffic (Low - 5%)		1	1	LS	\$ 72,000.00	\$	72,000.0
15	Utility Modifications (Low - 5%)			1	LS	\$ 72,000.00	\$	72,000.0
16	Project Approvals & Permitting (Moderate - 10%)			1	LS	\$ 144,000.00	\$	144,000.0
			•			Subtotal	\$	1,880,000.0
	-	-	-					
17	Mobilizaton (10%)			1	LS	\$ 188,000.00	\$	188,000.0
				-		Subtotal		2,070,000.0
							<u> </u>	
	Construction Contingency (25%)						\$	518,000.0
	Subtotal							2,590,000.0
				Design & Pl	anning Cc	ost (Moderate - 20%)	\$	518,000.0
			Tota	l Estima	ted Co	st for Phase 3	\$	3,100,000.0

Trail Lighting has been excluded from the base cost estimate due to excessive costs. Utilizing traditional Washington Globe fixtures at 70-ft oc spacing, direct burial composite pole with poly-tech sleeve (\$1,400/pole + \$51/lf conduit) Phase 3 total: \$819,272.00. Solar light fixtures would potentially provide cost reduction, however at the time of cost estimate, solar fixtures similar to Washington Globe fixture were unavailable.

Phase 4	Oxon Run T	Frail Rehal	oilitation l	Projec	t				
	$\textbf{Description:} \ Proposed \ sidewalks, trail \ improvements \ and \ pedestrian \ browner \ br$	ridge along S. Capit	ol Street betwee	n Livingsto	on & 1st	Stree	et		
Item No.	Item	Length (lf)	Thickness (")	Qty	Units	Un	it Price	Tot	al Price
1	Concrete Sidewalk (proposed) [6' width]	145	4" thickness	900	SF	\$	5.00	\$	4,500.00
2	Concrete Sidewalk (Widen) [4' width]	2,850	4" thickness	11,400	SF	\$	5.00	\$	57,000.00
3	Aggregate Base Course [concrete sidewalk] (4' width + 1'extension)	2,995	4" thickness	200	CY	\$	50.00	\$	10,000.00
4	Excavation [concrete sidewalk] (4' width)	2,995	8" depth	300	CY	\$	20.00	\$	6,000.00
5	Trail Lighting ¹				Excl	uded	l		
6	Trail Markings & Signage			900	EA	\$	1.30	\$	1,200.00
7	Trail Gateway & Wayside Areas			1	EA	\$	10,000.00	\$	10,000.00
8	Bridge: South Capitol Street Pedestrian Bridge			1	LS	\$	295,000.00	\$	295,000.00
9	Signal Improvements ¹				Excl	uded	l		
10	Streetscape (Landscaping) ¹ Excluded					1			
10	ou cerscape (Banascaping)			Subtota				\$	384,000.00
								Ė	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	Phase 4: Supplemental Costs								
11	Drainage and E&S (Low - 5%)			1	LS	\$	19,200.00		20,000.00
12	Maintenance of Traffic (Moderate - 10%)			1	LS	\$	38,400.00	\$	39,000.00
13	Utility Modifications (High - 15%)			1	LS	\$	57,600.00	\$	58,000.00
14	Project Approvals & Permitting (Moderate - 10%)			1	LS	\$	38,400.00	\$	39,000.00
							Subtotal	\$	540,000.00
15	M 13: (400/)			- 1	1.0	\$	54,000.00	d.	54,000.00
15	Mobilizaton (10%)			1	LS	Э	Subtotal		600,000.00
							Subtotal	3	600,000.00
	Construction Contingency (25%							150,000.00	
	Subtota						\$	750,000.00	
	Design & Planning Cost (High - 25%) \$	187,500.00
								,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
			Total E	stimate	ed Cos	t fo	r Phase 4	\$	1,000,000.00

- Phase 4 improvements overlap current South Capitol Street Improvements Project by DDOT. Lighting, signal improvements, and streetscape plantings are assumed to be completed by others and excluded from Phase 4 Scope of Work.
- ² Bridge Improvements proposed consist of parallel pedestrian bridge. Potential bridge widening alternative may be feasible. Estimated costs includes only those items associated with the bridge widening, and does not include costs that may be required to upgrade structural elements for the remainder of bridge that are structurally deficient at the time construction takes place. (\$180,000)

Phase 5	Oxon Run Trail Rehabilitation Project								
	$\textbf{Description:} \ \textbf{Proposed sidewalk improvements along Livingston Rd., Vall}$	ey Ave. and Wayn	e Pl. with LID Are	eas [non-ty]	oical]				
		Item Length (lf) Thickness (") Qty Units Unit Price Total Price							
Item No.	Item	Unit Price		tal Price					
1	Concrete Sidewalk (proposed) [6' width]	4,445	4" thickness	26,700	SF	\$ 5.00		134,000.00	
2	Aggregate Base Course [concrete sidewalk] (4' width + 1'extension)	4,445	4" thickness	300	CY	\$ 50.00		15,000.00	
3	Excavation [concrete sidewalk] (4' width)	4,445	8" depth	500	CY	\$ 20.00	0 \$	10,000.00	
4	Low-Impact Development Area ¹			2	EA	\$ 330,000.00	\$	660,000.00	
5	Streetscape (Landscaping) ²			1,400	LF	\$ 15.00	\$	21,000.00	
						Subtota	1 \$	840,000.00	
	Phase 5: Supplemental Costs								
6	Drainage and E&S (Moderate -10%)			1	LS	\$ 84,000.00	\$	84,000.00	
7	Maintenance of Traffic (Low - 5%)			1	LS	\$ 42,000.00	\$	42,000.00	
8	Utility Modifications (Low - 5%)			1	LS	\$ 42,000.00	\$	42,000.00	
9	Project Approvals & Permitting (Moderate - 10%)			1	LS	\$ 84,000.00	\$	84,000.00	
						Subtota	1 \$	1,100,000.00	
10	Mobilizaton (10%)			1	LS	\$ 110,000.00	\$	110,000.00	
						Subtota	1 \$	1,210,000.00	
	Construction Contingency (25%) \$ 310,000.00							,	
	Subtotal \$ 1,520,000.00							1,520,000.00	
				Design	& Plannii	ng Cost (Low - 10%) \$	152,000.00	
	Total Estimated Cost for Phase 5 \$ 1,600,000						1,600,000.00		

- Low-Impact Development Areas Assumed average area of 11,000 sf @ \$30.00/sf, based on the need for water control structures, curbing, and underdrains. (estimate excludes 2nd priority locations)
- ² Streetscape (Landcaping) assumes deciduous street trees at 30-ft oc. Along park side of roadway with planting strips between tree pits.

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Phase 6	Oxon Rur	ı Trail Reh	abilitation	Project	-				
1 11450 0	Description: Proposed sidewalk improvements along Livingston Road,			,		enue	[typical]		
	**	1 1 1 10	m1.1 (II)				** ** ** *		m - 1 n .
Item No.	Item	Length (lf)	Thickness (")	Qty	Units		Unit Price		Total Price
1	Concrete Sidewalk (proposed) [6' width]	7,875		47,250	SF	\$	5.00		237,000.00
2	Concrete Sidewalk (Widen) [4' width]	9,855	4" thickness	12,302	SF	\$	5.00	_	62,000.00
3	Aggregate Base Course [concrete sidewalk] (4' width + 1'extension)	17,730		1,054	CY	\$	50.00		53,000.00
4	Excavation [concrete sidewalk] (4' width)	17,730	8" depth	1,749	CY	\$	20.00		35,000.00
							Subtotal	\$	387,000.00
	Phase 6: Supplemental Costs								
5	Drainage and E&S (Low - 2%)			1	LS	\$	7,740.00	\$	8,000.00
6	Maintenance of Traffic (Low - 5%)			1	LS	\$	19,350.00		20,000.00
7	Utility Modifications (Low - 5%)			1	LS	\$	7,740.00	\$	8,000.00
8	Project Approvals & Permitting (Low - 5%)			1	LS	\$	19,350.00	\$	20,000.00
							Subtotal	\$	443,000.00
9	Mobilizaton (10%)			1	LS	\$	44,300.00	\$	45,000.00
							Subtotal	\$	488,000.00
				C	onstructi	on Co	ontingency (25%)		122,000.00
	Subtotal							\$	610,000.00
	D : 0N : 0 : 0 : 400							d.	(1,000,00
	Design & Planning Cost (Low - 10%)							\$	61,000.00
	Total Estimated Cost for Phase 6							\$	700,000.00

Phase 7		Trail Reha		•	t				
	Description: Proposed bike lane/share the lane markings along Miss	sissippi Avenue an	d Southern Avenu	ie					
Item No.	Item	Length (lf)	Thickness (")	Qty	Units	Unit	t Price	Tota	al Price
1	Thermoplastic Pavement Symbols (Bike Lane/Sharrow Symbol)	13,670		200	EA.	\$	300.00	\$	60,000.00
2	Thermoplastic Pavement Markings	10,250	4" width	41,000	LF	\$	1.50	\$	62,000.00
							Subtotal	\$	122,000.00
	Phase 7: Supplemental Costs								
3	Maintenance of Traffic (Low - 5%)			1	LS	\$	6,100.00	\$	7,000.00
4	Project Approvals & Permitting (Low - 5%)			1	LS	\$	6,100.00	\$	7,000.00
							Subtotal	\$	136,000.00
5	Mobilizaton (10%)			1	LS	\$	13,600.00	\$	13,600.00
	(20,0)						Subtotal	_	149,600.00
				Constr	uction Co	nting	ency (25%)	¢	38,000.00
				Consti	action co	mung	Subtotal		187,600.00
		<u> </u>	<u> </u>	D 0 I	21	C	100/2	d.	10,000,00
				Design & I	rianning (Lost (I	Low - 10%)	3	19,000.00
-			Total Es	stimated	l Cost	for l	Phase 7	\$	200,000.00

Project:	Oxon Run Trails		
Project No.	08-D001		
		By:	PC
	Construction Cost Estimate	Date:	4/4/2010
		Sheet No.	1 of 1

RATES
S/POLE 3300
S/BOLLARD 1200
S/CONDUIT + MANHOLE 51



TRAILS	TRAIL TOTA; LENGTH	TOTAL CONDUIT LENGTH	TOTAL CONDUIT & MANHOLE COST	TOTAL NUMBER OF POLES/BOLLARDS	TOTAL COST OF POLES/BOLLARDS	LINE ITEM TOTAL
	LF	LF				
PHASE 1						
P1.1	4104	9811	\$500,336	58	\$191,400.00	\$691,736
P1.2	2100	5020	\$256,020	32	\$105,600.00	\$361,620
P1.3	1830	4375	\$223,103	26	\$85,800.00	\$308,903
P1.4	240	574	\$29,259	15	\$18,000.00	\$47,259
P1.5	411	982	\$50,107	6	\$19,800.00	\$69,907
P1.6	495	1183	\$60,348	8	\$26,400.00	\$86,748
P1.7	645	1542	\$78,635	10	\$33,000.00	\$111,635
P1.8	817	1953	\$99,604	10	\$33,000.00	\$132,604
P1.9	1110	2653	\$135,325	16	\$52,800.00	\$188,125
P1.10	1825	4363	\$222,494	29	\$95,700.00	\$318,194
P1.11	1762	4212	\$214,813	28	\$92,400.00	\$307,213
PHASE 2						
P2.1	915	2187	\$111,552	14	\$46,200.00	\$157,752
P2.2	2550	6096	\$310,881	38	\$125,400.00	\$436,281
P2.3	1335	3191	\$162,756	21	\$69,300.00	\$232,056
P2.4	578	1382	\$70,466	7	\$23,100.00	\$93,566
P2.5	847	2025	\$103,261	12	\$39,600.00	\$142,861
P2.6	3270	7817	\$398,660	50	\$165,000.00	\$563,660
P2.7	1580	3777	\$192,625	24	\$79,200.00	\$271,825
PHASE 3						
P3.1	5721	13676	\$697,472	87	\$287,100.00	\$984,572
TOTALS	32135	76818	\$3,917,716	491	\$1,588,800	\$5,506,516

TOTAL COST: \$5,506,516

P3.1

P1.1	Proposed trail (S. Capitol Street to Atlantic Ave.)[north side of Oxon Run]
P1.2	Rehabilitated trail (Atlantic Ave. to 4th St.)[north side of Oxon Run]
P1.3	Proposed trail (4th St. to Tennis Center)
P1.4	Proposed trail (connecting Pool to Hart Middle School Path)
P1.5	Rehabilitate path (along Tennis Center to Mississippi Ave. & 7th St.)
P1.6	Proposed trail (connecting Wheeler Rd. & Mississippi Ave. intersection to Oxon Rur Bridge)[east side of intersection] $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$
P1.7	Proposed trail (connecting Wheeler Rd. & Valley Ave. intersection to Oxon Run Bridge)[east side of intersection]
P1.8	Proposed trail (connecting Mississippi Ave. & 13th St. to existing trail near Amphitheatre)
P1.9	Rehabilitated & Proposed trail connections adjacent to Amphitheatre & Playground area (connecting to Mississippi Ave.)
P1.10	Proposed trail (along Mississippi Ave. between 13th St. & 15th St.)
P1.11	Proposed trail (along 13th St. from Valley Ave. to Southern Ave.)
P2.1	Proposed trail (adjacent to UDC between S. Capitol St & Tennis Courts)
P2.2	Rehabilitated trail (at UDC between Livingston Rd. & Atlantic St.)
P2.3	Rehabilitated trail (Atlantic St. to 4th St.)[south side of Oxon Run]
P2.4	Rehabilitated trail (Mississippi Ave. & 6th St. intersection to Oxon Run Bridge)
P2.5	Rehabilitated trail (behind Tennis Center to Wheeler Rd.)
P2.6	Rehabilitated trail (4th St. to Wheeler Rd.)[south side of Oxon Run]
P2.7	Rehabilitated trail (Wheeler Rd. to 13th St.& Valley Rd. intersection)

Trail improvements from Oxon Cove Park to South Capitol Street (NPS & MNCPPC

property)[new & rehabilitated]