

# APPENDIX

## III. Detailed Cost Opinions



# Sand Creek Regional Greenway Improvements

## 2016 OPINION OF PROBABLE CONSTRUCTION COSTS

	<u>Item</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total</u>
	<b>Reach 1 Quebec to I-70 Crossing Option 1</b>				
<b>T1</b>	<b>Primary Trail</b>				
	Drainage Allowance - Riprap Protection	1	Lump Sum	\$ 5,000.00	\$ 5,000
	12' Primary Concrete Trail with attached 5' Secondary Crusher Fines Trail*	481	Linear Ft.	\$ 200.00	\$ 96,200
	12' Primary Concrete Trail with Hardening*	250	Linear Ft.	\$ 700.00	\$ 175,000
	<b>Subtotal of Construction</b>				<b>\$ 276,200</b>
	<b>25% Contingency</b>				<b>\$ 69,050</b>
	<b>25% Soft Cost and Design</b>				<b>\$ 69,050</b>
	<b>Total Primary Trail Project Cost</b>				<b>\$ 414,300</b>
	<b>A1 Future Access West</b>				
	12' Primary Concrete Trail*	1200	Linear Feet	\$ 180.00	\$ 216,000
	Retaining Wall**	1	Lump Sum	\$ 500,000.00	\$ 500,000
	<b>Subtotal of Construction</b>				<b>\$ 716,000</b>
	<b>25% Contingency</b>				<b>\$ 179,000</b>
	<b>25% Soft Cost and Design</b>				<b>\$ 179,000</b>
	<b>Total Future Access West Project Cost</b>				<b>\$ 1,074,000</b>
	<b>Grand Total for All Projects This Sheet</b>				<b>\$ 1,488,300</b>

\*Includes mobilization, minor grading, traffic control and revegetation of disturbed area - 3' either side of trail (no trees, shrubs or irrigation)

\*\*Per Denver Public Works cost estimate



# Sand Creek Regional Greenway Improvements

## 2016 OPINION OF PROBABLE CONSTRUCTION COSTS

	<u>Item</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total</u>
<b>Reach 1 Quebec to I-70 Crossing Option 2</b>					
<b>T1</b>	<b>Primary Trail</b>				
	Demolish and Salvage Old Bridge	1	Lump Sum	\$ 15,000.00	\$ 15,000
	12' Primary Concrete Trail with attached 5' Secondary Crusher Fines Trail*	755	Linear Ft.	\$ 200.00	\$ 151,000
	12' Primary Concrete Trail with Hardening*	400	Linear Ft.	\$ 400.00	\$ 160,000
	Railing or Fence	100	Linear Ft.	\$ 150.00	\$ 15,000
	300-foot Span Bike/Pedestrian Bridge	1	Lump Sum	\$ 900,000.00	\$ 900,000
	LOMR	1	Lump Sum	\$ 40,000.00	\$ 40,000
	Drainage Allowance - Major Drainage Swale Crossing(s)	1	Each	\$ 8,500.00	\$ 8,500
	<b>Subtotal of Construction</b>				<b>\$ 1,289,500</b>
	<b>25% Contingency</b>				<b>\$ 322,375</b>
	<b>25% Soft Cost and Design</b>				<b>\$ 322,375</b>
	<b>Total Primary Trail Project Cost</b>				<b>\$ 1,934,250</b>
<b>A1 Future Access West</b>					
	12' Primary Concrete Trail*	1200	Linear Feet	\$ 180.00	\$ 216,000
	Retaining Wall**	1	Lump Sum	\$ 500,000.00	\$ 500,000
	<b>Subtotal of Construction</b>				<b>\$ 716,000</b>
	<b>25% Contingency</b>				<b>\$ 179,000</b>
	<b>25% Soft Cost and Design</b>				<b>\$ 179,000</b>
	<b>Total Future Access West Project Cost</b>				<b>\$ 1,074,000</b>
<b>Grand Total for All Projects This Sheet</b>					<b>\$ 3,008,250</b>

\*Includes mobilization, minor grading, traffic control and revegetation of disturbed area - 3' either side of trail (no trees, shrubs or irrigation)

\*\*Per Denver Public Works cost estimate



# Sand Creek Regional Greenway Improvements

## 2016 OPINION OF PROBABLE CONSTRUCTION COSTS

	<u>Item</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total</u>
<b>Reach 1 Quebec to I-70 Crossing Option 3</b>					
<b>T1</b>	<b>Primary Trail</b>				
	Demolish and Salvage Old Bridge	1	Lump Sum	\$ 15,000.00	\$ 15,000
	12' Primary Concrete Trail with attached 5' Secondary Crusher Fines Trail*	1925	Linear Ft.	\$ 200.00	\$ 385,000
	12' Primary Concrete Trail with Hardening*	400	Linear Ft.	\$ 400.00	\$ 160,000
	Railing or Fence	400	Linear Ft.	\$ 150.00	\$ 60,000
	Drainage Allowance - Major Drainage Swale Crossing(s)	1	Each	\$ 8,500.00	\$ 8,500
	<b>Subtotal of Construction</b>				<b>\$ 628,500</b>
	<b>25% Contingency</b>				<b>\$ 157,125</b>
	<b>25% Soft Cost and Design</b>				<b>\$ 157,125</b>
	<b>Total Primary Trail Project Cost</b>				<b>\$ 942,750</b>
<b>A1 Future Access West</b>					
	12' Primary Concrete Trail*	1200	Linear Feet	\$ 180.00	\$ 216,000
	Retaining Wall**	1	Lump Sum	\$ 500,000.00	\$ 500,000
	<b>Subtotal of Construction</b>				<b>\$ 716,000</b>
	<b>25% Contingency</b>				<b>\$ 179,000</b>
	<b>25% Soft Cost and Design</b>				<b>\$ 179,000</b>
	<b>Total Future Access West Project Cost</b>				<b>\$ 1,074,000</b>
	<b>Grand Total for All Projects This Sheet</b>				<b>\$ 2,016,750</b>
<p>*Includes mobilization, minor grading, traffic control and revegetation of disturbed area - 3' either side of trail (no trees, shrubs or irrigation)</p> <p>**Per Denver Public Works cost estimate</p>					



# Sand Creek Regional Greenway Improvements

## 2016 OPINION OF PROBABLE CONSTRUCTION COSTS

	<u>Item</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total</u>
<b>Reach 1 I-70 to District IV Outfall Option A</b>					
<b>T1</b>	<b>Primary Trail</b>				
	12' Primary Concrete Trail with attached 5' Secondary Crusher Fines Trail*	3410	Linear Ft.	\$ 200.00	\$ 682,000
	Drainage Allowance - Minor Drainage Swale Crossing	3	Each	\$ 5,500.00	\$ 16,500
	Drainage Allowance - Major Drainage Swale Crossing	1	Each	\$ 8,500.00	\$ 8,500
	<b>Subtotal of Construction</b>				<b>\$ 707,000</b>
	<b>20% Contingency</b>				<b>\$ 141,400</b>
	<b>20% Soft Cost and Design</b>				<b>\$ 141,400</b>
	<b>Total Primary Trail Project Cost</b>				<b>\$ 989,800</b>
<b>T2</b>	<b>Multi-Use Single Track Trail</b>				
	2' Multi-use Single Track Earth Trail*	3070	Linear Ft.	\$ 25.00	\$ 76,750
	<b>Subtotal of Construction</b>				<b>\$ 76,750</b>
	<b>20% Contingency</b>				<b>\$ 15,350</b>
	<b>20% Soft Cost and Design</b>				<b>\$ 15,350</b>
	<b>Total Multi-Use Single Track Trail Project Cost</b>				<b>\$ 107,450</b>
<b>R1</b>	<b>Overlook/Rest Area West</b>				
	Crusher Fines Paving*	200	Square Ft.	\$ 2.00	\$ 400
	Furnishings	1	Allowance	\$ 2,400.00	\$ 2,400
	<b>Subtotal of Construction</b>				<b>\$ 2,800</b>
	<b>20% Contingency</b>				<b>\$ 560</b>
	<b>20% Soft Cost and Design</b>				<b>\$ 560</b>
	<b>Total Overlook/Rest Area West Project Cost</b>				<b>\$ 3,920</b>
<b>R2</b>	<b>Overlook/Rest Area East</b>				
	Crusher Fines Paving*	200	Square Ft.	\$ 2.00	\$ 400
	Drainage Allowance - Major Drainage Swale Crossing	1	Allowance	\$ 8,500.00	\$ 8,500
	Furnishings	1	Allowance	\$ 2,400.00	\$ 2,400
	<b>Subtotal of Construction</b>				<b>\$ 11,300</b>
	<b>20% Contingency</b>				<b>\$ 2,260</b>
	<b>20% Soft Cost and Design</b>				<b>\$ 2,260</b>
	<b>Total Overlook/Rest Area West Project Cost</b>				<b>\$ 15,820</b>
	<b>Grand Total for All Projects This Sheet</b>				<b>\$ 1,116,990</b>
*Includes mobilization, minor grading, traffic control and revegetation of disturbed area - 3' either side of trail (no trees, shrubs or irrigation)					



# Sand Creek Regional Greenway Improvements

## 2016 OPINION OF PROBABLE CONSTRUCTION COSTS

	<u>Item</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total</u>
<b>Reach 1 I-70 to District IV Outfall Option B</b>					
<b>T1</b>	<b>Primary Trail</b>				
	12' Primary Concrete Trail with attached 5' Secondary Crusher Fines Trail*	2975	Linear Ft.	\$ 200.00	\$ 595,000
	Drainage Allowance - Minor Drainage Swale Crossing	3	Each	\$ 5,500.00	\$ 16,500
	Drainage Allowance - Major Drainage Swale Crossing	1	Each	\$ 8,500.00	\$ 8,500
	<b>Subtotal of Construction</b>				<b>\$ 620,000</b>
	<b>20% Contingency</b>				<b>\$ 124,000</b>
	<b>20% Soft Cost and Design</b>				<b>\$ 124,000</b>
	<b>Total Primary Trail Project Cost</b>				<b>\$ 868,000</b>
<b>T2 Multi-Use Single Track Trail</b>					
	2' Multi-use Single Track Earth Trail*	3215	Linear Ft.	\$ 25.00	\$ 80,375
	<b>Subtotal of Construction</b>				<b>\$ 80,375</b>
	<b>20% Contingency</b>				<b>\$ 16,075</b>
	<b>20% Soft Cost and Design</b>				<b>\$ 16,075</b>
	<b>Total Multi-Use Single Track Trail Project Cost</b>				<b>\$ 112,525</b>
<b>R1 Overlook/Rest Area West</b>					
	Crusher Fines Paving*	200	Square Ft.	\$ 2.00	\$ 400
	Furnishings	1	Allowance	\$ 2,400.00	\$ 2,400
	<b>Subtotal of Construction</b>				<b>\$ 2,800</b>
	<b>20% Contingency</b>				<b>\$ 560</b>
	<b>20% Soft Cost and Design</b>				<b>\$ 560</b>
	<b>Total Overlook/Rest Area West Project Cost</b>				<b>\$ 3,920</b>
<b>R2 Overlook/Rest Area East</b>					
	Crusher Fines Paving*	200	Square Ft.	\$ 2.00	\$ 400
	Drainage Allowance - Major Drainage Swale Crossing	1	Allowance	\$ 8,500.00	\$ 8,500
	Furnishings	1	Allowance	\$ 2,400.00	\$ 2,400
	<b>Subtotal of Construction</b>				<b>\$ 11,300</b>
	<b>20% Contingency</b>				<b>\$ 2,260</b>
	<b>20% Soft Cost and Design</b>				<b>\$ 2,260</b>
	<b>Total Overlook/Rest Area West Project Cost</b>				<b>\$ 15,820</b>
<b>Grand Total for All Projects This Sheet</b>					<b>\$ 1,000,265</b>

\*Includes mobilization, minor grading, traffic control and revegetation of disturbed area - 3' either side of trail (no trees, shrubs or irrigation)



# Sand Creek Regional Greenway Improvements

## 2016 OPINION OF PROBABLE CONSTRUCTION COSTS

	<u>Item</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total</u>
<b>Reach 1 I-70 to District IV Outfall Option C</b>					
<b>T1</b>	<b>Primary Trail</b>				
	12' Primary Concrete Trail with attached 5' Secondary Crusher Fines Trail*	3150	Linear Ft.	\$ 200.00	\$ 630,000
	Drainage Allowance - Minor Drainage Swale Crossing	3	Each	\$ 5,500.00	\$ 16,500
	Drainage Allowance - Major Drainage Swale Crossing	1	Each	\$ 8,500.00	\$ 8,500
	<b>Subtotal of Construction</b>				<b>\$ 655,000</b>
	<b>20% Contingency</b>				<b>\$ 131,000</b>
	<b>20% Soft Cost and Design</b>				<b>\$ 131,000</b>
	<b>Total Primary Trail Project Cost</b>				<b>\$ 917,000</b>
<b>T2</b>	<b>Secondary Trail</b>				
	5' Secondary Crusher Fines Trail*	2915	Linear Ft.	\$ 75.00	\$ 218,625
	<b>Subtotal of Construction</b>				<b>\$ 218,625</b>
	<b>20% Contingency</b>				<b>\$ 43,725</b>
	<b>20% Soft Cost and Design</b>				<b>\$ 43,725</b>
	<b>Total Secondary Trail Project Cost</b>				<b>\$ 306,075</b>
<b>R1</b>	<b>Overlook/Rest Area West</b>				
	Crusher Fines Paving*	200	Square Ft.	\$ 2.00	\$ 400
	Furnishings	1	Allowance	\$ 2,400.00	\$ 2,400
	<b>Subtotal of Construction</b>				<b>\$ 2,800</b>
	<b>20% Contingency</b>				<b>\$ 560</b>
	<b>20% Soft Cost and Design</b>				<b>\$ 560</b>
	<b>Total Overlook/Rest Area West Project Cost</b>				<b>\$ 3,920</b>
<b>R2</b>	<b>Overlook/Rest Area East</b>				
	Crusher Fines Paving*	200	Square Ft.	\$ 2.00	\$ 400
	Drainage Allowance - Major Drainage Swale Crossing	1	Allowance	\$ 8,500.00	\$ 8,500
	Furnishings	1	Allowance	\$ 2,400.00	\$ 2,400
	<b>Subtotal of Construction</b>				<b>\$ 11,300</b>
	<b>20% Contingency</b>				<b>\$ 2,260</b>
	<b>20% Soft Cost and Design</b>				<b>\$ 2,260</b>
	<b>Total Overlook/Rest Area West Project Cost</b>				<b>\$ 15,820</b>
	<b>Grand Total for All Projects This Sheet</b>				<b>\$ 1,242,815</b>
*Includes mobilization, minor grading, traffic control and revegetation of disturbed area - 3' either side of trail (no trees, shrubs or irrigation)					



# Sand Creek Regional Greenway Improvements

## 2016 OPINION OF PROBABLE CONSTRUCTION COSTS

	<u>Item</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total</u>
<b>Reach 2a Smith Road to Westerly Creek</b>					
<b>T1</b>	<b>Primary Trail</b>				
	Drainage Allowance - Major Drainage Swale Crossing	1	Each	\$ 8,500.00	\$ 8,500
	Major Earthwork and Export**	1	Lump Sum	\$ 500,000.00	\$ 500,000
	Railing	1300	Linear Ft.	\$ 150.00	\$ 195,000
	12' Primary Concrete Trail with attached 5' Secondary Crusher Fines Trail*	2385	Linear Ft.	\$ 200.00	\$ 477,000
	<b>Subtotal of Construction</b>				<b>\$ 1,180,500</b>
	<b>25% Contingency</b>				<b>\$ 295,125</b>
	<b>25% Soft Cost and Design</b>				<b>\$ 295,125</b>
	<b>Total Primary Trail Project Cost</b>				<b>\$ 1,770,750</b>
<b>T2</b>	<b>Secondary Trail</b>				
	5' Secondary Crusher Fines Trail*	1615	Linear Ft.	\$ 75.00	\$ 121,125
	<b>Subtotal of Construction</b>				<b>\$ 121,125</b>
	<b>25% Contingency</b>				<b>\$ 30,281</b>
	<b>25% Soft Cost and Design</b>				<b>\$ 30,281</b>
	<b>Total Multi-Use Single Track Trail Project Cost</b>				<b>\$ 181,688</b>
<b>T3</b>	<b>Multi-Use Single Track Trail</b>				
	2' Multi-use Single Track Earth Trail*	2250	Linear Ft.	\$ 25.00	\$ 56,250
	<b>Subtotal of Construction</b>				<b>\$ 56,250</b>
	<b>25% Contingency</b>				<b>\$ 14,063</b>
	<b>25% Soft Cost and Design</b>				<b>\$ 14,063</b>
	<b>Total Multi-Use Single Track Trail Project Cost</b>				<b>\$ 84,375</b>
<b>TH</b>	<b>Trail Head</b>				
	Gravel/Crusher Fines Paving*	350	Square Ft.	\$ 2.00	\$ 700
	Interpretive Signage	1	Lump Sum	\$ 5,000.00	\$ 5,000
	Furnishings	1	Allowance	\$ 2,100.00	\$ 2,100
	<b>Subtotal of Construction</b>				<b>\$ 7,800</b>
	<b>25% Contingency</b>				<b>\$ 1,950</b>
	<b>25% Soft Cost and Design</b>				<b>\$ 1,950</b>
	<b>Total Trail Head Project Cost</b>				<b>\$ 11,700</b>
<b>A1</b>	<b>Future Trail Access and Creek Crossing</b>				
	Concrete Trail and Stairs	1	Allowance	\$ 65,200.00	\$ 92,400
	Low Flow Creek Crossing	1	Lump Sum	\$ 55,000.00	\$ 55,000
	LOMR	1	Lump Sum	\$ 40,000.00	\$ 40,000
	<b>Subtotal of Construction</b>				<b>\$ 187,400</b>
	<b>25% Contingency</b>				<b>\$ 46,850</b>
	<b>25% Soft Cost and Design</b>				<b>\$ 46,850</b>
	<b>Total Future Trail Access Project Cost</b>				<b>\$ 281,100</b>

	<u>Item</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total</u>
<b>R1</b>	<b>Overlook/Rest Area West</b>				
	Crusher Fines Paving*	250	Square Ft.	\$ 2.00	\$ 500
	Wall Modifications	1	Allowance	\$ 20,000.00	\$ 20,000
	Furnishings	1	Allowance	\$ 23,300.00	\$ 23,300
	<b>Subtotal of Construction</b>				<b>\$ 43,800</b>
	<b>25% Contingency</b>				<b>\$ 10,950</b>
	<b>25% Soft Cost and Design</b>				<b>\$ 10,950</b>
	<b>Total Overlook/Rest Area West Project Cost</b>				<b>\$ 65,700</b>
<b>R2</b>	<b>Overlook/Rest Area East</b>				
	Crusher Fines Paving	250	Square Ft.	\$ 2.00	\$ 500
	Wall Modifications	1	Allowance	\$ 20,000.00	\$ 20,000
	Furnishings	1	Allowance	\$ 2,400.00	\$ 2,400
	<b>Subtotal of Construction</b>				<b>\$ 22,900</b>
	<b>25% Contingency</b>				<b>\$ 5,725</b>
	<b>25% Soft Cost and Design</b>				<b>\$ 5,725</b>
	<b>Total Overlook/Rest Area East Project Cost</b>				<b>\$ 34,350</b>
	<b>Grand Total for All Projects This Sheet</b>				<b>\$ 2,429,663</b>
	*Includes mobilization, minor grading, traffic control and revegetation of disturbed area - 3' either side of trail (no trees, shrubs or irrigation)				
	**Cost assumes all excess cut to be exported off site. Upon construction, PM could opt for keeping material on site.				



# Sand Creek Regional Greenway Denver Segment Master Plan

## 2016 OPINION OF PROBABLE CONSTRUCTION COSTS

	<u>Item</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total</u>
	<b>Reach 2b Westerly Creek to Havana Street</b>				
<b>T1</b>	<b>Secondary Trail</b>				
	5' Secondary Crusher Fines Trail*	665	Linear Ft	\$ 75.00	\$ 49,875
	Drainage Allowance- Erosion Control	400	Linear Ft	\$ 100.00	\$ 40,000
	<b>Subtotal of Construction</b>				<b>\$ 89,875</b>
	<b>20% Contingency</b>				<b>\$ 17,975</b>
	<b>20% Soft Cost and Design</b>				<b>\$ 17,975</b>
	<b>Total Secondary Trail Project Cost</b>				<b>\$ 125,825</b>
<b>T2</b>	<b>Multi-Use Single Track Trail</b>				
	2' Multi-use Single Track Earth Trail*	650	Linear Ft.	\$ 25.00	\$ 16,250
	<b>Subtotal of Construction</b>				<b>\$ 16,250</b>
	<b>20% Contingency</b>				<b>\$ 3,250</b>
	<b>20% Soft Cost and Design</b>				<b>\$ 3,250</b>
	<b>Total Multi-Use Single Track Trail Project Cost</b>				<b>\$ 22,750</b>
<b>H1</b>	<b>Horse Creek Crossing</b>				
	2' Multi-use Single Track Earth Trail*	120	Linear Ft.	\$ 25.00	\$ 3,000
	Horse Creek Crossing	1	Lump Sum	\$ 6,000.00	\$ 6,000
	<b>Subtotal of Construction</b>				<b>\$ 9,000</b>
	<b>20% Contingency</b>				<b>\$ 1,800</b>
	<b>20% Soft Cost and Design</b>				<b>\$ 1,800</b>
	<b>Total Horse Creek Crossing Project Cost</b>				<b>\$ 12,600</b>
<b>R1</b>	<b>Overlook/Rest Area West</b>				
	Crusher Fines Paving*	200	Square Ft.	\$ 2.00	\$ 400
	Furnishings	1	Allowance	\$ 2,400.00	\$ 2,400
	<b>Subtotal of Construction</b>				<b>\$ 2,800</b>
	<b>20% Contingency</b>				<b>\$ 560</b>
	<b>20% Soft Cost and Design</b>				<b>\$ 560</b>
	<b>Total Overlook/Rest Area West Project Cost</b>				<b>\$ 3,920</b>
<b>R2</b>	<b>Overlook/Rest Area East</b>				
	Crusher Fines Paving*	200	Square Ft.	\$ 2.00	\$ 400
	Furnishings	1	Allowance	\$ 2,400.00	\$ 2,400
	<b>Subtotal of Construction</b>				<b>\$ 2,800</b>
	<b>20% Contingency</b>				<b>\$ 560</b>
	<b>20% Soft Cost and Design</b>				<b>\$ 560</b>
	<b>Total Overlook/Rest Area East Project Cost</b>				<b>\$ 3,920</b>
	<b>Grand Total for All Projects This Sheet</b>				<b>\$ 169,015</b>

\*Includes mobilization, minor grading, traffic control and revegetation of disturbed area - 3' either side of trail (no trees, shrubs or irrigation)



# Sand Creek Regional Greenway Improvements

## 2016 OPINION OF PROBABLE CONSTRUCTION COSTS

	<u>Item</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total</u>
<b>Reach 3 Bluff Lake and MLK</b>					
<b>T1</b>	<b>Primary Trail</b>				
	12' Primary Concrete Trail*	575	Linear Ft.	\$ 180.00	\$ 103,500
	12' Primary Concrete Trail with attached 5' Secondary Crusher Fines Trail*	2025	Linear Ft.	\$ 200.00	\$ 405,000
	Intersection Crossing Improvements (Iola Street)	1	Allowance	\$ 6,850.00	\$ 6,850
	Drainage Allowance - Major Drainage Swale Crossing	1	Each	\$ 8,500.00	\$ 8,500
	Drainage Improvements (Havana Street runoff)	1	Lump Sum	\$ 20,000.00	\$ 20,000
	<b>Subtotal of Construction</b>				<b>\$ 543,850</b>
	<b>20% Contingency</b>				<b>\$ 108,770</b>
	<b>20% Soft Cost and Design</b>				<b>\$ 108,770</b>
	<b>Total Primary Trail Project Cost</b>				<b>\$ 761,390</b>
<b>R1 Overlook/Rest Area North</b>					
	Crusher Fines Paving*	200	Square Ft.	\$ 2.00	\$ 400
	Furnishings	1	Allowance	\$ 2,400.00	\$ 2,400
	<b>Subtotal of Construction</b>				<b>\$ 2,800</b>
	<b>20% Contingency</b>				<b>\$ 560</b>
	<b>20% Soft Cost and Design</b>				<b>\$ 560</b>
	<b>Total Overlook/Rest Area North Project Cost</b>				<b>\$ 3,920</b>
<b>R2 Overlook/Rest Area South</b>					
	Crusher Fines Paving*	200	Square Ft.	\$ 2.00	\$ 400
	Furnishings	1	Allowance	\$ 2,400.00	\$ 2,400
	<b>Subtotal of Construction</b>				<b>\$ 2,800</b>
	<b>20% Contingency</b>				<b>\$ 560</b>
	<b>20% Soft Cost and Design</b>				<b>\$ 560</b>
	<b>Total Overlook/Rest Area South Project Cost</b>				<b>\$ 3,920</b>
<b>Grand Total for All Projects This Sheet</b>					<b>\$ 769,230</b>

\*Includes mobilization, minor grading, traffic control and revegetation of disturbed area - 3' either side of trail (no trees, shrubs or irrigation)



# Sand Creek Regional Greenway Improvements

## 2016 OPINION OF PROBABLE CONSTRUCTION COSTS

	<u>Item</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total</u>
<b>Reach 4 MLK Extension to Peoria</b>					
<b>T1</b>	<b>Primary Trail</b>				
	12' Primary Concrete Trail with attached 5' Secondary Crusher Fines Trail*	2565	Linear Ft.	\$ 200.00	\$ 513,000
	Drainage Allowance- Erosion Control (Area Treatment)	3	Each	\$ 10,000.00	\$ 30,000
	Drainage Improvements (trail erosion areas)	1	Lump Sum	\$ 10,000.00	\$ 10,000
	<b>Subtotal of Construction</b>				<b>\$ 553,000</b>
	<b>20% Contingency</b>				<b>\$ 110,600</b>
	<b>20% Soft Cost and Design</b>				<b>\$ 110,600</b>
	<b>Total Primary Trail Project Cost</b>				<b>\$ 774,200</b>
<b>T2 Paved Connection to Fitzsimons</b>					
	12' Primary Concrete Trail	610	Linear Ft.	\$ 180.00	\$ 109,800
	<b>Subtotal of Construction</b>				<b>\$ 109,800</b>
	<b>20% Contingency</b>				<b>\$ 21,960</b>
	<b>20% Soft Cost and Design</b>				<b>\$ 21,960</b>
	<b>Total Paved Connection to Fitzsimons Project Cost</b>				<b>\$ 153,720</b>
<b>T3 Soft Surface Connection to MLK</b>					
	5' Secondary Crusher Fines Trail	245	Linear Ft.	\$ 75.00	\$ 18,375
	<b>Subtotal of Construction</b>				<b>\$ 18,375</b>
	<b>20% Contingency</b>				<b>\$ 3,675</b>
	<b>20% Soft Cost and Design</b>				<b>\$ 3,675</b>
	<b>Total Paved Connection to Fitzsimons Project Cost</b>				<b>\$ 25,725</b>
<b>R1 Overlook/Rest Area West</b>					
	Crusher Fines Paving	200	Square Ft.	\$ 2.00	\$ 400
	Furnishings	1	Allowance	\$ 2,400.00	\$ 2,400
	<b>Subtotal of Construction</b>				<b>\$ 2,800</b>
	<b>20% Contingency</b>				<b>\$ 560</b>
	<b>20% Soft Cost and Design</b>				<b>\$ 560</b>
	<b>Total Overlook/Rest Area West Project Cost</b>				<b>\$ 3,920</b>
<b>R2 Overlook/Rest Area East</b>					
	Crusher Fines Paving	200	Square Ft.	\$ 2.00	\$ 400
	Furnishings	1	Allowance	\$ 2,400.00	\$ 2,400
	<b>Subtotal of Construction</b>				<b>\$ 2,800</b>
	<b>20% Contingency</b>				<b>\$ 560</b>
	<b>20% Soft Cost and Design</b>				<b>\$ 560</b>
	<b>Total Overlook/Rest Area East Project Cost</b>				<b>\$ 3,920</b>
	<b>Grand Total for All Projects This Sheet</b>				<b>\$ 961,485</b>

\*Includes mobilization, minor grading, traffic control and revegetation of disturbed area - 3' either side of trail (no trees, shrubs or irrigation)