

## 17. Probable Construction Cost

### Construction Cost Estimate

Project Number:	<u>10796.018</u>	Prepared By:	<u>Christopher L. Newton</u>
Project Name:	<u>Red Line Trail - Walnut Creek Trail to Braker Ln</u>	Date:	<u>1/14/2019</u>
Work Type	<u>Urban Trail</u>	County:	<u>TRAVIS</u>
Project Length:	<u>1.63 Miles</u>	District:	<u></u>
Design Stage:	<u>PER - 90%</u>	UPN	<u></u>

Section	Preffered Segment	Cost
1	West	\$ 411,609.72
2	West	\$ 877,439.73
3	West	\$ 803,639.74
4	West	\$ 1,310,970.70
	<b>Construction Total</b>	<b>\$ 3,403,659.89</b>

### Construction Cost Estimate

Project Number:	10796.018	Prepared By:	Christopher L. Newton
Project Name:	Red Line Trail - Walnut Creek Trail to Braker Ln	Date:	1/14/2019
Work Type:	Urban Trail	County:	TRAVIS
Project Length:	1020.00 Feet	Segment:	1 East
Design Stage:	PER - 90%	UPN	

Item Number	Quantity	Description	Unit	Average Bid Prices	
				Unit Price Dollars	Amount Dollars
1025-A:	0.94	Clearing and Grubbing	AC	\$8,500.00	\$7,961.43
2015-UT:	718	Subgrade Preparation (15 ft wide) - assumed thickest cross section (12")	CY	\$4.50	\$3,230.00
2035-A:	1503	Lime Treated Subgrade, (8 in. Thick)	SY	\$15.00	\$22,552.20
2105-A-UT:	100	Flexible Base, 10 IN (17 ft wide for 15 ft trail)	CY	\$65.00	\$6,500.00
4325-PRC-2	30	Pedestrian ADA Hand Railing (Standar 707S)	LF	\$150.00	\$4,437.35
4325-6	1700	New P.C. Concrete Sidewalks, 6 Inch Thickness	SY	\$55.00	\$93,500.00
6095-A:	2833	Topsoil and Seedbed Preparation six (6) IN thick	SY	\$4.50	\$12,750.00
SP-6095-C:	2833	Native Grassland Seeding and Planting: blackland prairie mix, HP-FGM Hydromulch	SY	\$4.50	\$12,750.00
641S:	1	Stabilized Construction Entrance	EA	\$1,250.00	\$1,250.00
642S:	651	Silt Fence for Erosion Control	LF	\$2.75	\$1,789.73
648S:	30	mulch sock (12 in)	LF	\$12.50	\$369.78
803S-CD	30	Barricades, Signs, and Traffic Handling	Calendar Day	\$265.00	\$7,950.00
871S-A-4WS-CT:	1917	ReflectORIZED Type I Thermoplastic Pavement Markings 4 inches in width, 90 mils in thickness white in color (solid) for Cycle Track (DOUBLE)	LF	\$1.00	\$1,916.94
871S-A-12WS:	11	ReflectORIZED Type I Thermoplastic Pavement Markings 12 inches in width, 90 mils in thickness white in color (solid) for stop bar	LF	\$3.00	\$31.95
871S-A-8WS:	27	ReflectORIZED Type I Thermoplastic Pavement Markings 8 inches in width, 90 mils in thickness white in color (solid) for crosswalk (DOUBLE)	LF	\$2.00	\$53.25
871S-A-4YB:	958	ReflectORIZED Type I Thermoplastic Pavement Markings 4 inches in width, 90 mils in thickness yellow in color (broken) for Cycle Track	LF	\$1.00	\$958.47
SS16600-F	19	STANCHION MOUNTED LED LIGHTING FIXTURE, SUITABLE FOR CLASS 1, DIV. 2 ENVIRONMENT, 10FT. STANCHION	EA	\$2100.00	\$39,900.00
SS16000-2	1	Pedestrian Hybrid Beacon (PHB with controller)	EA	\$87700.00	\$87,700.00
700S-TM	4%	Total Mobilization Payment	LS		\$305,601.11
		Subtotal			\$12,224.04
	25%	Contingency			\$317,825.15
		<b>Construction Total</b>			\$79,456.29
					<b>\$397,281.44</b>

## Construction Cost Estimate

Project Number:	10796.018	Prepared By:	Christopher L. Newton
Project Name:	Red Line Trail - Walnut Creek Trail to Braker Ln	Date:	1/14/2019
Work Type	Urban Trail	County:	TRAVIS
Project Length:	1020.00 Feet	Segment:	1 West
Design Stage:	PER - 90%	UPN	

Item Number	Quantity	Description	Unit	Average Bid Prices	
				Unit Price	Amount
				Dollars	Dollars
102S-A:	0.94	Clearing and Grubbing	AC	\$8,500.00	\$7,961.43
201S-UT:	718	Subgrade Preparation (15 ft wide) - assumed thickest cross section (12")	CY	\$4.50	\$3,230.00
203S-A:	2130	Lime Treated Subgrade, (8 in. Thick)	SY	\$15.00	\$31,948.96
210S-A-UT:	125	Flexible Base, 10 IN (17 ft wide for 15 ft trail)	CY	\$65.00	\$8,125.00
432S-PRC-2	30	Pedestrian ADA Hand Railing (Standar 707S)	LF	\$150.00	\$4,437.35
432S-6	1700	New P.C. Concrete Sidewalks, 6 Inch Thickness	SY	\$55.00	\$93,500.00
609S-A:	2833	Topsoil and Seedbed Preparation six (6) IN thick	SY	\$4.50	\$12,750.00
SP-609S-C:	2833	Native Grassland Seeding and Planting: blackland prairie mix, HP-FGM Hydromulch	SY	\$4.50	\$12,750.00
641S:	1	Stabilized Construction Entrance	EA	\$1,250.00	\$1,250.00
642S:	651	Silt Fence for Erosion Control	LF	\$2.75	\$1,789.73
648S:	30	mulch sock (12 in)	LF	\$12.50	\$369.78
803S-CD	30	Barricades, Signs, and Traffic Handling	Calendar Day	\$265.00	\$7,950.00
871S-A-4WS-CT:	1917	Reflectorized Type I Thermoplastic Pavement Markings 4 inches in width, 90 mils in thickness white in color (solid) for Cycle Track (DOUBLE)	LF	\$1.00	\$1,916.94
871S-A-12WS:	11	Reflectorized Type I Thermoplastic Pavement Markings 12 inches in width, 90 mils in thickness white in color (solid) for stop bar	LF	\$3.00	\$31.95
871S-A-8WS:	27	Reflectorized Type I Thermoplastic Pavement Markings 8 inches in width, 90 mils in thickness white in color (solid) for crosswalk (DOUBLE)	LF	\$2.00	\$53.25
871S-A-4YB:	958	Reflectorized Type I Thermoplastic Pavement Markings 4 inches in width, 90 mils in thickness yellow in color (broken) for Cycle Track	LF	\$1.00	\$958.47
SS16600-F	19	STANCHION MOUNTED LED LIGHTING FIXTURE, SUITABLE FOR CLASS 1, DIV. 2 ENVIRONMENT, 10FT. STANCHION	EA	\$2100.00	\$39,900.00
SS16000-2	1	Pedestrian Hybrid Beacon (PHB with controller)	EA	\$87700.00	\$87,700.00
					<b>\$316,622.86</b>
700S-TM	4%	Total Mobilization Payment	LS		\$12,664.91
		Subtotal			<b>\$329,287.77</b>
	25%	Contingency			\$82,321.94
		<b>Construction Total</b>			<b>\$411,609.72</b>

## Construction Cost Estimate

Project Number:	10796.018	Prepared By:	Christopher L. Newton
Project Name:	Red Line Trail - Walnut Creek Trail to Braker Ln	Date:	1/14/2019
Work Type	Urban Trail	County:	TRAVIS
Project Length:	2600.00 Feet	Segment:	2 East
Design Stage:	PER - 90%	UPN	

Item Number	Quantity	Description	Unit	Average Bid Prices	
				Unit Price	Amount
				Dollars	Dollars
102S-A:	2.39	Clearing and Grubbing	AC	\$8,500.00	\$20,293.85
201S-UT:	1830	Subgrade Preparation (15 ft wide) - assumed thickest cross section (12")	CY	\$4.50	\$8,233.33
203S-A:	5429	Lime Treated Subgrade, (8 in. Thick)	SY	\$15.00	\$81,438.52
210S-A-UT:	300	Flexible Base, 10 IN (17 ft wide for 15 ft trail)	CY	\$65.00	\$19,500.00
432S-PRC-2	75	Pedestrian ADA Hand Railing (Standar 707S)	LF	\$150.00	\$11,310.90
432S-6	4333	New P.C. Concrete Sidewalks, 6 Inch Thickness	SY	\$55.00	\$238,333.33
559S-6X1.5	35	PRECAST CONCRETE BOX CULVERTS (6FT. X 1.5 FT.) Drainage Crossing North of Kramer Lane	LF	\$265.00	\$9,275.00
609S-A:	7222	Topsoil and Seedbed Preparation six (6) IN thick	SY	\$4.50	\$32,500.00
SP-609S-C:	7222	Native Grassland Seeding and Planting: blackland prairie mix, HP-FGM Hydromulch	SY	\$4.50	\$32,500.00
641S:	1	Stabilized Construction Entrance	EA	\$1,250.00	\$1,508.12
642S:	1659	Silt Fence for Erosion Control	LF	\$2.75	\$4,562.06
648S:	75	mulch sock (12 in)	LF	\$14.00	\$1,055.68
803S-CD	90	Barricades, Signs, and Traffic Handling	Calendar Day	\$265.00	\$23,850.00
871S-A-4WS-CT:	4886	ReflectORIZED Type I Thermoplastic Pavement Markings 4 inches in width, 90 mils in thickness white in color (solid) for Cycle Track (DOUBLE)	LF	\$1.00	\$4,886.31
871S-A-12WS:	27	ReflectORIZED Type I Thermoplastic Pavement Markings 12 inches in width, 90 mils in thickness white in color (solid) for stop bar	LF	\$3.00	\$81.44
871S-A-8WS:	68	ReflectORIZED Type I Thermoplastic Pavement Markings 8 inches in width, 90 mils in thickness white in color (solid) for crosswalk (DOUBLE)	LF	\$2.00	\$135.73
871S-A-4YB:	2443	ReflectORIZED Type I Thermoplastic Pavement Markings 4 inches in width, 90 mils in thickness yellow in color (broken) for Cycle Track	LF	\$1.00	\$2,443.16
SS16600-F	48	STANCHION MOUNTED LED LIGHTING FIXTURE, SUITABLE FOR CLASS 1, DIV. 2 ENVIRONMENT, 10FT. STANCHION	EA	\$2100.00	\$100,800.00
SS16000-4	1	Signalized Pedestrian Rail Crossing	EA	\$87700.00	\$87,700.00
SS16000-2	1	Pedestrian Hybrid Beacon (PHB with controller)	EA	\$87700.00	\$87,700.00
					<b>\$768,107.44</b>
700S-TM	4%	Total Mobilization Payment	LS		\$30,724.30
		Subtotal			<b>\$798,831.74</b>
	25%	Contingency			\$199,707.93
		<b>Construction Total</b>			<b>\$998,539.67</b>

## Construction Cost Estimate

Project Number: 10796.018		Prepared By: Christopher L. Newton
Project Name: Red Line Trail - Walnut Creek Trail to Braker Ln		Date: 1/14/2019
Work Type: Urban Trail		County: TRAVIS
Project Length: 2600.00 Feet		Segment: 2 West
Design Stage: PER - 90%		UPN

Item Number	Quantity	Description	Unit	Average Bid Prices	
				Unit Price	Amount
				Dollars	Dollars
102S-A:	2.39	Clearing and Grubbing	AC	\$8,500.00	\$20,293.85
201S-UT:	1830	Subgrade Preparation (15 ft wide) - assumed thickest cross section (12")	CY	\$4.50	\$8,233.33
203S-A:	5429	Lime Treated Subgrade, (8 in. Thick)	SY	\$15.00	\$81,438.52
210S-A-UT:	300	Flexible Base, 10 IN (17 ft wide for 15 ft trail)	CY	\$65.00	\$19,500.00
432S-PRC-2	75	Pedestrian ADA Hand Railing (Standar 707S)	LF	\$150.00	\$11,310.90
432S-6	4333	New P.C. Concrete Sidewalks, 6 Inch Thickness	SY	\$55.00	\$238,333.33
559S-6X1.5	35	PRECAST CONCRETE BOX CULVERTS (6FT. X 1.5 FT.) Drainage Crossing North of Kramer Lane	LF	\$265.00	\$9,275.00
609S-A:	7222	Topsoil and Seedbed Preparation six (6) IN thick	SY	\$4.50	\$32,500.00
SP-609S-C:	7222	Native Grassland Seeding and Planting: blackland prairie mix, HP-FGM Hydromulch	SY	\$4.90	\$35,388.89
641S:	1	Stabilized Construction Entrance	EA	\$1,250.00	\$1,508.12
642S:	1659	Silt Fence for Erosion Control	LF	\$2.75	\$4,562.06
648S:	75	mulch sock (12 in)	LF	\$14.00	\$1,055.68
803S-CD	90	Barricades, Signs, and Traffic Handling	Calendar Day	\$265.00	\$23,850.00
871S-A-4WS-CT:	4886	ReflectORIZED Type I Thermoplastic Pavement Markings 4 inches in width, 90 mils in thickness white in color (solid) for Cycle Track (DOUBLE)	LF	\$1.00	\$4,886.31
871S-A-12WS:	27	ReflectORIZED Type I Thermoplastic Pavement Markings 12 inches in width, 90 mils in thickness white in color (solid) for stop bar	LF	\$3.00	\$81.44
871S-A-8WS:	68	ReflectORIZED Type I Thermoplastic Pavement Markings 8 inches in width, 90 mils in thickness white in color (solid) for crosswalk (DOUBLE)	LF	\$2.00	\$135.73
871S-A-4YB:	2443	ReflectORIZED Type I Thermoplastic Pavement Markings 4 inches in width, 90 mils in thickness yellow in color (broken) for Cycle Track	LF	\$1.00	\$2,443.16
SS16600-F	48	STANCHION MOUNTED LED LIGHTING FIXTURE, SUITABLE FOR CLASS 1, DIV. 2 ENVIRONMENT, 10FT. STANCHION	EA	\$2100.00	\$100,800.00
SS16000-2	1	Pedestrian Hybrid Beacon (PHB with controller)	EA	\$87700.00	\$79,357.31
700S-TM	4%	Total Mobilization Payment	LS		\$674,953.64
		Subtotal			\$701,951.78
	25%	Contingency			\$175,487.95
		<b>Construction Total</b>			<b>\$877,439.73</b>

## Construction Cost Estimate

Project Number:	10796.018	Prepared By:	Christopher L. Newton
Project Name:	Red Line Trail - Walnut Creek Trail to Braker Ln	Date:	1/14/2019
Work Type	Urban Trail	County:	TRAVIS
Project Length:	2300.00 Feet	Segment:	3 East
Design Stage:	PER - 90%	UPN	

Item Number	Quantity	Description	Unit	Average Bid Prices	
				Unit Price	Amount
				Dollars	Dollars
102S-A:	2.11	Clearing and Grubbing	AC	\$8,500.00	\$17,952.25
201S-UT:	1619	Subgrade Preparation (15 ft wide) - assumed thickest cross section (12")	CY	\$4.50	\$7,283.33
203S-A:	4803	Lime Treated Subgrade, (8 in. Thick)	SY	\$15.00	\$72,041.76
210S-A-UT:	300	Flexible Base, 10 IN (17 ft wide for 15 ft trail)	CY	\$65.00	\$19,500.00
432S-PRC-2	67	Pedestrian ADA Hand Railing (Standar 707S)	LF	\$150.00	\$10,005.80
432S-6	3833	New P.C. Concrete Sidewalks, 6 Inch Thickness	SY	\$55.00	\$210,833.33
559S-6X1.5	17	PRECAST CONCRETE BOX CULVERTS (6FT. X 1.5 FT.) Drainage Crossing South of Gracy Farms	LF	\$265.00	\$4,505.00
403S-CY-1:	3	CLASS S CONCRETE ( Charles Schwab Outfall) - TO BE DESIGNED BY STRUCTURAL	CY	\$500.00	\$1,250.00
609S-A:	6389	Topsoil and Seedbed Preparation six (6) IN thick	SY	\$4.50	\$28,750.00
SP-609S-C:	6389	Native Grassland Seeding and Planting: blackland prairie mix, HP-FGM Hydromulch	SY	\$4.50	\$28,750.00
641S:	1	Stabilized Construction Entrance	EA	\$1,250.00	\$1,334.11
642S:	1468	Silt Fence for Erosion Control	LF	\$2.75	\$4,035.67
802S-BCIP	2	C.I.P. Project Sign	EA	\$800.00	\$1,600.00
803S-CD	120	Barricades, Signs, and Traffic Handling	Calendar Day	\$265.00	\$31,800.00
648S:	67	mulch sock (12 in)	LF	\$14.00	\$933.87
871S-A-4WS-CT:	4323	ReflectORIZED Type I Thermoplastic Pavement Markings 4 inches in width, 90 mils in thickness white in color (solid) for Cycle Track (DOUBLE)	LF	\$1.00	\$4,322.51
871S-A-12WS:	24	ReflectORIZED Type I Thermoplastic Pavement Markings 12 inches in width, 90 mils in thickness white in color (solid) for stop bar	LF	\$3.00	\$72.04
871S-A-8WS:	60	ReflectORIZED Type I Thermoplastic Pavement Markings 8 inches in width, 90 mils in thickness white in color (solid) for crosswalk (DOUBLE)	LF	\$2.00	\$120.07
871S-A-4YB:	2161	ReflectORIZED Type I Thermoplastic Pavement Markings 4 inches in width, 90 mils in thickness yellow in color (broken) for Cycle Track	LF	\$1.00	\$2,161.25
SSS323414-2:	975	PERMATRAK PRE-CAST CONCRETE BOARD WALK (15 FT WIDE (WITH DRILLED SHAFT OR CONCRETE CAISSONS) 65 FT LONG) AT Charles Schwab Crossing	SF	\$95.00	\$92,625.00
SS16600-F	43	STANCHION MOUNTED LED LIGHTING FIXTURE, SUITABLE FOR CLASS 1, DIV. 2 ENVIRONMENT, 10FT. STANCHION	EA	\$2100.00	\$90,300.00
SS16000-2	1	Pedestrian Hybrid Beacon (PHB with controller)	EA	\$87700.00	\$70,200.70
SSS323414-1:	140	PERMATRAK PRE-CAST CONCRETE BOARD WALK (15 FT WIDE	SF	\$95.00	\$13,307.71
					<b>\$713,684.42</b>
700S-TM	4%	Total Mobilization Payment	LS		\$28,547.38
		Subtotal			<b>\$742,231.79</b>
	25%	Contingency			\$185,557.95

		Construction Total		\$927,789.74
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## Construction Cost Estimate

Project Number: 10796.018	Prepared By: Christopher L. Newton
Project Name: Red Line Trail - Walnut Creek Trail to Braker Ln	Date: 1/14/2019
Work Type: Urban Trail	County: TRAVIS
Project Length: 2300.00 Feet	Segment: 3 West
Design Stage: PER - 90%	UPN

Item Number	Quantity	Description	Unit	Average Bid Prices	
				Unit Price	Amount
				Dollars	Dollars
102S-A:	2.11	Clearing and Grubbing	AC	\$8,500.00	\$17,952.25
201S-UT:	1619	Subgrade Preparation (15 ft wide) - assumed thickest cross section (12")	CY	\$4.50	\$7,283.33
203S-A:	4803	Lime Treated Subgrade, (8 in. Thick)	SY	\$15.00	\$72,041.76
210S-A-UT:	275	Flexible Base, 10 IN (17 ft wide for 15 ft trail)	CY	\$65.00	\$17,875.00
432S-PRC-2	67	Pedestrian ADA Hand Railing (Standar 707S)	LF	\$150.00	\$10,005.80
432S-6	3833	New P.C. Concrete Sidewalks, 6 Inch Thickness	SY	\$55.00	\$210,833.33
559S-6X1.5	17	PRECAST CONCRETE BOX CULVERTS (6FT. X 1.5 FT.)Drainage Crossing South of Gracy Farms	LF	\$265.00	\$4,505.00
609S-A:	6389	Topsoil and Seedbed Preparation six (6) IN thick	SY	\$4.50	\$28,750.00
SP-609S-C:	6389	Native Grassland Seeding and Planting: blackland prairie mix, HP-FGM Hydromulch	SY	\$4.50	\$28,750.00
641S:	1	Stabilized Construction Entrance	EA	\$1,250.00	\$1,334.11
642S:	1468	Silt Fence for Erosion Control	LF	\$2.75	\$4,035.67
648S:	67	mulch sock (12 in)	LF	\$14.00	\$933.87
802S-BCIP	2	C.I.P. Project Sign	EA	\$800.00	\$1,600.00
803S-CD	120	Barricades, Signs, and Traffic Handling	Calendar Day	\$265.00	\$31,800.00
871S-A-4WS-CT:	4323	ReflectORIZED Type I Thermoplastic Pavement Markings 4 inches in width, 90 mils in thickness white in color (solid) for Cycle Track (DOUBLE)	LF	\$1.00	\$4,322.51
871S-A-12WS:	24	ReflectORIZED Type I Thermoplastic Pavement Markings 12 inches in width, 90 mils in thickness white in color (solid) for stop bar	LF	\$3.00	\$72.04
871S-A-8WS:	60	ReflectORIZED Type I Thermoplastic Pavement Markings 8 inches in width, 90 mils in thickness white in color (solid) for crosswalk (DOUBLE)	LF	\$2.00	\$120.07
871S-A-4YB:	2161	ReflectORIZED Type I Thermoplastic Pavement Markings 4 inches in width, 90 mils in thickness yellow in color (broken) for Cycle Track	LF	\$1.00	\$2,161.25
SS16600-F	43	STANCHION MOUNTED LED LIGHTING FIXTURE, SUITABLE FOR CLASS 1, DIV. 2 ENVIRONMENT, 10FT. STANCHION	EA	\$2100.00	\$90,300.00
SS16000-2	1	Pedestrian Hybrid Beacon (PHB with controller)	EA	\$87700.00	\$70,200.70
SSS323414-1:	140	PERMATRAK PRE-CAST CONCRETE BOARD WALK (15 FT WIDE)	SF	\$95.00	\$13,307.71
					<b>\$618,184.42</b>
700S-TM	4%	Total Mobilization Payment	LS		\$24,727.38
		Subtotal			<b>\$642,911.79</b>
	25%	Contingency			\$160,727.95
		<b>Construction Total</b>			<b>\$803,639.74</b>

## Construction Cost Estimate

Project Number:	10796.018	Prepared By:	Christopher L. Newton
Project Name:	Red Line Trail - Walnut Creek Trail to Braker Ln	Date:	1/14/2019
Work Type:	Urban Trail	County:	TRAVIS
Project Length:	2700.00 Feet	Segment:	4 East
Design Stage:	PER - 90%	UPN	

Item Number	Quantity	Description	Unit	Average Bid Prices	
				Unit Price	Amount
				Dollars	Dollars
102S-A:	2.48	Clearing and Grubbing	AC	\$8,500.00	\$21,074.38
201S-UT:	1900	Subgrade Preparation (15 ft wide) - assumed thickest cross section (12")	CY	\$4.50	\$8,550.00
203S-A:	5638	Lime Treated Subgrade, (8 in. Thick)	SY	\$15.00	\$84,570.77
210S-A-UT:	325	Flexible Base, 10 IN (17 ft wide for 15 ft trail)	CY	\$65.00	\$21,125.00
403S-CY-BW:	5	CLASS 5 CONCRETE (Walnut Creek Bridge Footings) - TO BE DESIGNED BY STRUCTURAL - assumed 1ft Dia, 5 ft deep, 2 @ 15 ft OC	CY	\$500.00	\$2,500.00
403S-CY-BW:	5	CLASS 5 CONCRETE (Walnut Creek Bridge Footings Second Crossing) - TO BE DESIGNED BY STRUCTURAL - assumed 1ft Dia, 5 ft deep, 2 @ 15 ft OC	CY	\$500.00	\$2,500.00
	201	TYPICAL RETAINING WALL COMBINATION CANTILEVER SIDEWALK, INCLUDING REINFORCEMENT & EXCAVATION MAX HEIGHT 7 FOOT	SF	\$416.00	\$83,585.19
SP414S-B					
432S-PRC-2	250	Pedestrian ADA Hand Railing (Standar 707S)	LF	\$150.00	\$37,500.00
432S-6	4500	New P.C. Concrete Sidewalks, 6 Inch Thickness	SY	\$55.00	\$247,500.00
609S-A:	7500	Topsoil and Seedbed Preparation six (6) IN thick	SY	\$4.50	\$33,750.00
SP-609S-C:	7500	Native Grassland Seeding and Planting: blackland prairie mix, HP-FGM Hydromulch	SY	\$4.50	\$33,750.00
641S:	2	Stabilized Construction Entrance	EA	\$1,250.00	\$2,500.00
642S:	1723	Silt Fence for Erosion Control	LF	\$2.75	\$4,737.53
648S:	78	mulch sock (12 in)	LF	\$14.00	\$1,096.29
802S-BCIP	2	C.I.P. Project Sign	EA	\$800.00	\$1,600.00
803S-CD	150	Barricades, Signs, and Traffic Handling	Calendar Day	\$265.00	\$39,750.00
871S-A-4WS-CT:	5074	ReflectORIZED Type I Thermoplastic Pavement Markings 4 inches in width, 90 mils in thickness white in color (solid) for Cycle Track (DOUBLE)	LF	\$1.00	\$5,074.25
871S-A-12WS:	28	ReflectORIZED Type I Thermoplastic Pavement Markings 12 inches in width, 90 mils in thickness white in color (solid) for stop bar	LF	\$3.00	\$84.57
871S-A-8WS:	70	ReflectORIZED Type I Thermoplastic Pavement Markings 8 inches in width, 90 mils in thickness white in color (solid) for crosswalk (DOUBLE)	LF	\$2.00	\$140.95
871S-A-4YB:	2537	ReflectORIZED Type I Thermoplastic Pavement Markings 4 inches in width, 90 mils in thickness yellow in color (broken) for Cycle Track	LF	\$1.00	\$2,537.12
SS16600-F	50	STANCHION MOUNTED LED LIGHTING FIXTURE, SUITABLE FOR CLASS 1, DIV. 2 ENVIRONMENT, 10FT. STANCHION	EA	\$2100.00	\$105,000.00
SSS323414-1:	975	PERMATRAK PRE-CAST CONCRETE BOARD WALK (15 FT WIDE (WITH DRILLED SHAFT OR CONCRETE CAISSONS) 65 FT LONG) AT Walnut Creek Crossing North of Gracy Farms	SF	\$95.00	\$92,625.00
SSS323414-2:	975	PERMATRAK PRE-CAST CONCRETE BOARD WALK (15 FT WIDE (WITH DRILLED SHAFT OR CONCRETE CAISSONS) 65 FT LONG) AT Walnut Creek Crossing 2nd North of Gracy Farms	SF	\$95.00	\$92,625.00
SSS323414-3:	2355	Bridge Crossing Walnut Creek Dual Track 157 LF, 15 ft Wide	SF	\$95.00	\$223,725.00
					<b>\$1,147,901.04</b>
700S-TM	4%	Total Mobilization Payment	LS		\$45,916.04
		Subtotal			<b>\$1,193,817.08</b>
	25%	Contingency			\$298,454.27
		<b>Construction Total</b>			<b>\$1,492,271.35</b>

## Construction Cost Estimate

Project Number:	10796.018	Prepared By:	Christopher L. Newton
Project Name:	Red Line Trail - Walnut Creek Trail to Braker Ln	Date:	1/14/2019
Work Type:	Urban Trail	County:	TRAVIS
Project Length:	2700.00 Feet	Segment:	4 West
Design Stage:	PER - 90%	UPN:	

Item Number	Quantity	Description	Unit	Average Bid Prices	
				Unit Price	Amount
				Dollars	Dollars
102S-A:	2.48	Clearing and Grubbing	AC	\$8,500.00	\$21,074.38
201S-UT:	1900	Subgrade Preparation (15 ft wide) - assumed thickest cross section (12")	CY	\$4.50	\$8,550.00
203S-A:	5638	Lime Treated Subgrade, (8 in. Thick)	SY	\$15.00	\$84,570.77
210S-A-UT:	325	Flexible Base, 10 IN (17 ft wide for 15 ft trail)	CY	\$65.00	\$21,125.00
403S-CY-BW:	5	CLASS S CONCRETE (Walnut Creek Bridge Footings) - TO BE DESIGNED BY STRUCTURAL - assumed 1ft Dia, 5 ft deep, 2 @ 15 ft OC	CY	\$500.00	\$2,500.00
403S-CY-1:	3	CLASS S CONCRETE ( Little Walnut Creek Crossing) - TO BE DESIGNED BY STRUCTURAL	CY	\$500.00	\$1,500.00
414S-C	91	TYPICAL RETAINING WALL COMBINATION CANTILEVER SIDEWALK, INCLUDING REINFORCEMENT & EXCAVATION MAX HEIGHT 7 FOOT	CY	\$416.00	\$37,748.15
432S-PRC-2	250	Pedestrian ADA Hand Railing (Standar 707S)	LF	\$150.00	\$37,500.00
432S-6	4500	New P.C. Concrete Sidewalks, 6 inch Thickness	SY	\$55.00	\$247,500.00
609S-A:	7500	Topsoil and Seedbed Preparation six (6) IN thick	SY	\$4.50	\$33,750.00
SP-609S-C:	7500	Native Grassland Seeding and Planting: blackland prairie mix, HP-FGM Hydromulch	SY	\$4.50	\$33,750.00
641S:	2	Stabilized Construction Entrance	EA	\$1,250.00	\$2,500.00
642S:	1723	Silt Fence for Erosion Control	LF	\$2.75	\$4,737.53
648S:	78	mulch sock (12 in)	LF	\$14.00	\$1,096.29
802S-BCIP	2	C.I.P. Project Sign	EA	\$800.00	\$1,600.00
803S-CD	150	Barricades, Signs, and Traffic Handling	Calendar Day	\$265.00	\$39,750.00
871S-A-4WS-CT:	5074	ReflectORIZED Type I Thermoplastic Pavement Markings 4 inches in width, 90 mils in thickness white in color (solid) for Cycle Track (DOUBLE)	LF	\$1.00	\$5,074.25
871S-A-12WS:	28	ReflectORIZED Type I Thermoplastic Pavement Markings 12 inches in width, 90 mils in thickness white in color (solid) for stop bar	LF	\$3.00	\$84.57
871S-A-8WS:	70	ReflectORIZED Type I Thermoplastic Pavement Markings 8 inches in width, 90 mils in thickness white in color (solid) for crosswalk (DOUBLE)	LF	\$2.00	\$140.95
871S-A-4YB:	2537	ReflectORIZED Type I Thermoplastic Pavement Markings 4 inches in width, 90 mils in thickness yellow in color (broken) for Cycle Track	LF	\$1.00	\$2,537.12
SS16600-F	50	STANCHION MOUNTED LED LIGHTING FIXTURE, SUITABLE FOR CLASS 1, DIV. 2 ENVIRONMENT, 10FT. STANCHION	EA	\$2100.00	\$105,000.00
SSS323414-2:	975	PERMATRAK PRE-CAST CONCRETE BOARD WALK (15 FT WIDE (WITH DRILLED SHAFT OR CONCRETE CAISSONS) 65 FT LONG) AT Little Walnut Creek Crossing	SF	\$95.00	\$92,625.00
SSS323414-3:	2355	Bridge Crossing Walnut Creek Dual Track 157 LF, 15 ft Wide	SF	\$95.00	\$223,725.00
					<b>\$1,008,439.00</b>
700S-TM	4%	Total Mobilization Payment	LS		\$40,337.56
		Subtotal			<b>\$1,048,776.56</b>
	25%	Contingency			\$262,194.14
		<b>Construction Total</b>			<b>\$1,310,970.70</b>