



## PLANNING ESTIMATE

## DESCRIPTION: RED ROCK TRAIL SYSTEM - CORRIDOR A SMITHFIELD TO DOWNTOWN

860 LF SHARED LANES WITH SPEED CUSHION TRAFFIC CALMING FROM 7TH AVE/6TH ST TO GRAYMONT AVE / 6TH ST  
12700 LF 2-WAY CYCLE TRACK IN ROADWAY WITH 3' CONCRETE BUFFER, RESURFACING, AND LANE RECONFIGURATION FROM GRAYMONT AVE / 6TH ST TO 4TH AVE / 20TH ST

MOBILITY HUB, 9 BUS STOP IMPROVEMENTS (CONCRETE ISLANDS, BUS SHELTER AND BENCH, RAISED CROSSWALK), STREET TREES, CURB RAMP REPLACEMENTS, AND GREEN INFRASTRUCTURE AS LISTED BELOW

TOTAL LENGTH: 2.6 MILES

PROJECT NUMBER: 00-2021-176

COUNTY: JEFFERSON

CITY BIRMINGHAM, AL

ESTIMATE BY: CA

DATE: 1/31/2023

REVISED:

CHECKED BY: MR

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
405A000	TACK COAT	GAL	5352	\$5.50	\$29,436.00
408B000	MICRO-MILLING EXISTING PAVEMENT (APPROXIMATELY 0.00" THRU 1.00" THICK)	SQYD	70411	\$3.00	\$211,233.00
420A015	POLYMER MODIFIED OPEN GRADED FRICTION COURSE (FULL ROAD RESURFACING AND 9 RAISED CROSSWALKS AT BUS STOPS)	TON	3588	\$200.00	\$717,600.00
600A000	MOBILIZATION	LS	1	\$262,100.00	\$262,100.00
618C001	DETECTABLE WARNING SURFACE	SQFT	1700	\$60.00	\$102,000.00
618D000	CURB RAMP	SQYD	767	\$300.00	\$229,950.00
623B002	CONCRETE CURB, TYPE A (9 TRANSIT ISLANDS)	LF	2250	\$30.00	\$67,500.00
66D0XX	TREES, (SMALL STREET TREE SPECIES)	EACH	195	\$600.00	\$117,000.00
680A001	GEOMETRIC CONTROLS - SURVEY	LS	1	\$115,000.00	\$115,000.00
701G142-54	SOLID/BROKEN WHITE/YELLOW, CLASS W, TYPE A TRAFFIC STRIPE (5" WIDE)	LF	59575	\$3.00	\$178,725.00
	GREEN TRAFFIC STRIPE	SQFT	4250	\$15.00	\$63,750.00
703A002	TRAFFIC CONTROL MARKINGS, CLASS 2, TYPE A	SQFT	13852	\$5.90	\$81,724.44
710A170	CLASS 4, ALUMINUM FLAT SIGN PANELS 0.08" THICK (TYPE IV BACKGROUND)	SQFT	956	\$25.00	\$23,906.25
710B021	ROADWAY SIGN POST (#3 U CHANNEL, GALVANIZED STEEL OR 2", 14 GA SQUARE TUBULAR STEEL)	LF	1836	\$21.00	\$38,556.00
	CONCRETE ISLAND (CYCLE TRACK BUFFER FULL CORRIDOR AND 9 TRANSIT ISLANDS)	SQYD	4200	\$100.00	\$420,000.00
	SPEED CUSHIONS (SET OF 3)	EACH	2	\$7,000.00	\$14,000.00
	BUS SHELTER AND BENCH	EACH	9	\$20,000.00	\$180,000.00
	MOBILITY HUB AT LEGION FIELD (ELECTRIC CAR CHARGING STATION, ELECTRIC BIKE CHARGING STATION, DIGITAL TRANSIT TIME DISPLAY BOARD, BIKE RACKS, TRASH CAN, DRINKING FOUNTAIN, BENCH, ASSOCIATED PAVEMENT PAD, AND LANDSCAPING)	LS	1	\$95,000.00	\$95,000.00
	SIGNAL IMPROVEMENTS AT CENTER ST AND GRAYMONT AVE, 3RD ST N AND GRAYMONT AVE, (SHIFT 2-LEGS OF SIGNAL HEADS ON SPAN WIRE FOR ROADWAY RECONFIGURATION)	LS	2	\$25,000.00	\$50,000.00
	SIGNAL IMPROVEMENTS AT 9TH ST N AND 5TH AVE, 10H ST N AND 5TH AVE, 11TH ST N AND 5TH AVE, 13TH ST N AND 5TH AVE, 14TH ST N AND 5TH AVE, 15TH ST N AND 5TH AVE, 16TH ST N AND 5TH AVE, 16TH ST N AND 4TH AVE, 17TH ST N AND 4TH AVE, 18TH ST N AND 4TH AVE, 19TH ST N AND 4TH AVE, 20TH ST N AND 4TH AVE (SHIFT 1-LEG OF SIGNAL HEADS FOR ROADWAY RECONFIGURATION INCLUDING ONE SIGNAL POLE/MAST ARM REPLACEMENT, INSTALL BICYCLE SIGNALS)	LS	12	\$90,000.00	\$1,080,000.00
	TEMPORARY TRAFFIC CONTROL	LS	1	\$300,000.00	\$300,000.00
	SE CORNER OF 9TH ST N. AND 5TH AVE. N (REMOVAL OF ASPHALT SLIP LANE, REPLACE WITH BIORETENTION AND LANDSCAPING, INSTALL SIDEWALK)				
201A002	CLEARING AND GRUBBING (MAXIMUM ALLOWABLE BID \$)	LS	1	\$1,200.00	\$1,200.00
210A000	UNCLASSIFIED EXCAVATION	CUYD	160	\$60.00	\$9,600.00
210D001	BORROW EXCAVATION (LOOSE TRUCKBED MEASUREMENT)	CUYD	160	\$60.00	\$9,600.00
618A000	CONCRETE SIDEWALK, 4" THICK	SQYD	240	\$90.00	\$21,600.00
	LANDSCAPING	LS	1	\$20,000.00	\$20,000.00
	DRAINAGE	LS	1	\$190,000.00	\$190,000.00
	MINOR ITEMS (5%)	LS	1	\$231,474.03	\$231,474.03
CONSTRUCTION COST SUBTOTAL					\$4,861,000.00
CONTINGENCIES				30.0%	\$1,458,300.00
UTILITIES (ABOVE GROUND)					\$30,000.00
CONSTRUCTION COST TOTAL (2022)					\$6,350,000.00
INFLATION FACTOR			4 YEARS	7.0%	\$1,974,000.00
CONSTRUCTION COST TOTAL (2026)					\$8,324,000.00
DESIGN AND PERMITTING				15.0%	\$1,249,000.00
CONSTRUCTION ENGINEERING INSPECTION (CEI)				15.0%	\$1,249,000.00
TOTAL ESTIMATED PROJECT COST (2026)					\$10,822,000.00

NOTE: ESTIMATE IS NOT BASED ON AN ENGINEERING DESIGN, AND IS FOR PLANNING PURPOSES ONLY.

BASED ON 2022 UNIT PRICES AND INFLATED TO 2026. ESCALATION ADJUSTMENTS MUST BE APPLIED FOR OTHER YEARS.

PROJECT COST DOES NOT INCLUDE RIGHT-OF-WAY ACQUISITION. RIGHT-OF-WAY  
ACQUISITION IS NOT EXPECTED OR WILL NOT BE SUBSTANTIAL FOR THIS PROJECT.

UNDERGROUND UTILITY COORDINATION/RELOCATION COSTS UNKNOWN AND NOT INCLUDED.

# COMPONENT 2: 2023 RAISE GRANT BIRMINGHAM CIVIL RIGHTS CROSSROADS



Edits by Alt 2/101/2023 in red

## 16th Street APPLE Study - Opinion of Probable Construction Costs

Erosion Control and Layout					
Construction Layout	1	LS	\$ 32,000	<del>12,000.00</del>	\$ 32,000.00
Erosion Control	1	LS	\$ 16,500.00		\$ 16,500.00
					\$ <del>28,500.00</del> \$48,500
Demolition					
Removing Curb	4900	LF	\$ 6.50		\$ 31,850.00
Concrete Removal	6500	SF	\$ 20.00		\$ 130,000.00
Asphalt Pavement Removal	7800	SY	\$ 30.00		\$ 234,000.00
					\$ 395,850.00
Traffic/Roadway					
Traffic Control	1	LS	\$ \$200,000	<del>45,000.00</del>	\$ <del>45,000.00</del> \$200,000.00
Traffic Signage	1	LS	\$ 15,000.00		\$ 15,000.00
Traffic Signal Modifications (per intersection)	7	LS	\$ 70,000.00		\$ 490,000.00
Roadway and Parking Striping	1	LS	\$ 15,000.00		\$ 15,000.00
Multi Use Path (Asphalt)	3270	SY	\$ 43.00		\$ 140,610.00
Decorative Crosswalk	9100	SF	\$ 15.00		\$ 136,500.00
Asphalt Mill - includes leveling of crown	13700	SY	\$ 9.00		\$ 123,300.00
Asphalt Overlay	1170	TON	\$ \$150.00	<del>120.00</del>	\$ <del>140,400.00</del> \$175,500.00
Asphaly Leveling	117	TON	\$ 150.00		\$ 17,550.00
					\$ <del>1,123,360.00</del> \$1,313,460
Streetscape Hardscape					
Flush Concrete Band 12"	900	LF	\$ 15.00		\$ 13,500.00
Wayfinding Signage	1	LS	\$ 45,000.00		\$ 45,000.00
Vehicular Bollards (removeable)	8	EA	\$ 3,000.00		\$ 24,000.00
Bollard	69	EA	\$ 2,500.00		\$ 172,500.00
Curb (Goes Around Landscape Buffer)	4950	LF	\$ 45.00		\$ 222,750.00
Concrete Curb and Gutter	8200	LF	\$ 35.00		\$ 287,000.00
Pavers	22120	SF	\$ 50.00		\$ 1,106,000.00
Standard 4" Concrete Sidewalk	49500	SF	\$ 10.00		\$ 495,000.00
Decorative Concrete	18000	SF	\$ 13.00		\$ 234,000.00
Bench	20	EA	\$ \$3,000.00	<del>6,000.00</del>	\$ <del>120,000.00</del> \$60,000.00
Trash Receptacle	16	EA	\$ 1,800.00		\$ 28,800.00
Artistic Gateway Elements	1	LS	\$ 750,000.00		\$ 750,000.00
Drive Apron, 8" Heavy Duty Concrete	6	EA	\$ 9,000.00		\$ 54,000.00
Vertical Curb	1010	LF	\$ 30.00		\$ 30,300.00
Vehicle Ramp	6	<del>LF</del> EA	\$ 15,000.00		\$ 90,000.00
Detectable Warning Pavers	1708	SF	\$ \$50.00	<del>40.00</del>	\$ <del>68,320.00</del> \$85,500.00
Earthwork for Expanded Streetscape (Fill)	3100	CY	\$ \$40.00	<del>30.00</del>	\$ <del>93,000.00</del> \$124,000.00
					\$ <del>3,820,670.00</del> \$3,822,350.00
Lighting					
Pedestrian Pole Lights	112	EA	\$ 12,000.00		\$ 1,344,000.00
Misc Electrical	1	LS	\$ 60,000.00		\$ 60,000.00
					\$ 1,404,000.00
Drainage					
Drainage Modifications (Existing Curb)	12	EA	\$ 7,000.00		\$ 84,000.00
Drainage Modifications (Proposed Curb)	16	EA	\$ 10,000.00		\$ 160,000.00
Multi-Path Drainage	12	EA	\$ 7,000.00		\$ 84,000.00
					\$ 328,000.00
Landscape					
Street Tree	133	EA	\$ 750.00		\$ 99,750.00
Enhanced Landscape Area	21050	SF	\$ 25.00		\$ 526,250.00
Turf Area	1950	SY	\$ 3.50		\$ 6,825.00
Irrigation	3	LS	\$ 50,000.00		\$ 150,000.00
					\$ 782,825.00
Utilities					
Utility Coordination	1	LS	\$ 75,000.00		\$ 75,000.00
					\$ 75,000.00
Subtotal					\$ <del>7,958,205.00</del> \$8,169,985.00
Mobilization/Contractor OH&P (7%)					\$ <del>557,074.35</del> \$571,899.00
Contingency (20%) 30%					\$ <del>1,591,041.00</del> \$2,450,996.00
Utility Relocations (7%)					\$ 557,074.35
CE&I (9%) 15%					\$ <del>716,238.45</del> \$1,225,498.00
Survey and Design (12%) 15%					\$ <del>954,984.60</del> \$1,225,498.00
Total Opinion of Probable Construction Costs (2022)					\$ 12,335,217.75 \$14,200,951.00
Inflation Factor (7% for 4 years)					\$4,413,599.00
Total Opinion of Probable Project Costs (2026)					\$18,614,550.00

### Notes:

1. Original quantities and cost estimate prepared by Kimley Horn. Edits and adjustment to prices by Alta are limited to those shown in red.