

City of Fontana Capital Improvement List

2026-2027

The City's Capital Improvement Program (CIP) identifies the public infrastructure necessary to accommodate future growth while maintaining the level of service established by the City Council. The CIP serves as the planning and implementation framework for the City's Development Impact Fee (DIF) Program and identifies the public facilities reasonably required to mitigate the impacts generated by future development.

The projects included in this Capital Improvement Program (CIP) have been evaluated to determine whether they are reasonably related to the anticipated growth identified in the City's General Plan, Specific Plans, Housing Element, Transportation Plans, Storm Drain and Sewer Master Plans, Parks Master Plan, and other adopted planning documents. The CIP also incorporates recommendations derived from engineering studies, traffic analyses, utility and infrastructure assessments, and other technical and administrative information developed by City staff and professional consultants. Following review and consideration by the City Council, this CIP serves as the City's official long-range planning document for identifying public infrastructure improvements needed to accommodate future growth, maintain adopted levels of service, preserve public assets, enhance public safety, and support the community's long-term development objectives.

The Capital Improvement Program (CIP) is intended to serve as the technical foundation supporting the City's Development Impact Fee Nexus Study and will be periodically reviewed and updated to reflect changes in development projections, construction costs, adopted planning documents, completed projects, funding availability, and applicable legal requirements. Because future development patterns, travel demand, funding opportunities, and infrastructure needs are inherently uncertain, the CIP does not identify specific construction schedules or anticipated completion dates for individual projects. Project implementation will be prioritized and scheduled based on development activity, available funding, operational needs, engineering evaluations, and City Council direction.

The inclusion of a project in this CIP does not constitute a determination that the project currently satisfies all applicable engineering criteria, operational thresholds, regulatory requirements, or warrants for construction. Rather, the CIP identifies public infrastructure improvements that may become necessary to accommodate future growth and maintain the City's adopted level-of-service objectives. Individual projects—including, but not limited to, traffic signals, intersection improvements, roadway widenings, and other transportation facilities—will be subject to separate engineering analyses, warrant evaluations, environmental review, funding availability, and all applicable federal, state, and local approval requirements before design or construction is authorized.

PUBLIC FACILITIES NEEDS LIST THROUGH 2043

Facility Name (Projects over next 20 yrs)	Total Cost for Facility
Corporate Yard Expansion (Public Works North yard)	\$30,000,000
Proposed Parking Structure (Metro Station - 1,500 spaces)	\$70,000,000
City Hall (Phase III Expansion – Energy Efficiency & Sustainability Project)	\$10,000,000

POLICE FACILITIES NEEDS LIST THROUGH 2043

Facility Name (Projects over next 20 yrs)	Total Cost for Facility
Police Department – add 3,300/sq ft TI work for additional PDs	\$40,000
Police Department Secure Parking Structure	\$40,000
Police Sub Station - North end of town 2000 sq ft	\$5,000,000
Police Hangar for Helicopter storage	\$6,000,000
Command Post 50 ft motor home increase the size	\$650,000
Police Black & White Vehicles - Fleet increase 1 vehicle per every 3 officers (30 officers)	\$1,000,000
Armored Vehicle	\$400,000
Helicopter (for high wind situation)	\$5,000,000
Motorcycles (\$45,000 each x 10)	\$450,000
Property Office Site Storage facility 2500 sq ft	\$0
Police Substation (Metrolink)	\$10,000,000

FIRE FACILITIES NEEDS LIST THROUGH 2043

Facility Name (Projects over next 20 yrs)	Total Cost for Facility
Station 77 Expansion to the neighboring lot with addition of apparatus bays and dorm rooms	\$5,000,000

Construction of Phase 2 station 80 fire station once development begins in Westgate Specific Plan area	\$12,000,000
Two High-End Ladder Fire Trucks \$2 mil each total \$4 mil to support additional population	\$4,000,000
Purchase Firecat Swat Vehicle for fire fighting	\$1,000,000

LIBRARY FACILITIES NEEDS LIST THROUGH 2043

Facility Name (Projects over next 20 yrs)	Total Cost for Facility
Library Facility Modernization and Expansion (STEAM Learning Center)	\$1,004,936
Facility Improvements and Reconfiguration (STEAM Learning Center)	\$797,568
Site Circulation	\$103,684
Technology, Infrastructure, and Building enhancements (STEAM Learning Center)	\$7,178,112
Growth-servicing library facilities	\$311,052

PARKS FACILITIES NEEDS LIST THROUGH 2043

Facility Name (Projects over next 20 yrs)	Total Cost for Facility
New South Fontana Community Center (Don Day)	\$35,000,000
Park Improvements – See Park and Recreational Trail Master Plan	\$35,000,000
Recreational Trails – See Park and Recreational Trail Master Plan	\$35,000,000
New Community Center in Core of City (Miller)	\$30,000,000
Action Park - North or Mid portion of Fontana	\$7,500,000
Security Camera Upgrades	\$6,500,000
Action Park – Martin Tudor	\$10,000,000
Millar Amphitheater	\$15,000,000

LANDSCAPE MEDIANS NEEDS LIST THROUGH 2043

Facility Name (Projects over next 20 yrs)	Total Cost for Facility
S Highland Ave - 600' Past Citrus to Auto Center Drive Heading East: Construct Raised Landscape Median	\$2,400,000
Valley Blvd. from Banana Ave. to Cherry Ave.	\$1,500,000
Mulberry Ave. from Santa Ana Ave. to Slover Ave.	\$1,500,000
Arrow Blvd. from Citrus Ave. to Jurupa Ave.	\$2,400,000
Arrow Blvd. from Palmetto Ave. to Alder Ave.	\$1,500,000
Slover Ave. from Jasmine St to Sierra Ave	\$14,889,600
Beech Ave. from Slover to Jurupa Ave.	\$3,168,000
Beech Ave. from Baseline Ave. to Miller Ave.	\$1,500,000
Beech Ave. from PE Trail to Foothill Blvd	\$630,000
Sierra Lakes from San Sevaine to Beach	\$1,560,000
Sierra Lakes from Lytle Creek to Catawba	\$1,560,000

LOCAL ARTERIALS NEEDS LIST THROUGH 2043

Facility Name	Total Cost for Facility
Alder Ave - from 650 feet north of Miller Ave to Miller Ave	\$338,000
Alder Ave - from 460 feet south of Marygold Ave to Valley Blvd (West Side)	\$405,600
Fontana Ave from Merrill Ave to Randall Ave	\$5,168,000
Fontana Ave from Poplar Ave to San Bernardino Ave	\$3,600,000
Fontana Ave from San Bernardino Ave to Valley Ave	\$4,586,000
Knox Ave - from Sierra Lakes Pkwy to S. Highland Ave	\$2,448,000
Locust Ave - from San Jacinto to 320 feet north of Miller Ave	\$496,400

Locust Ave - from Miller Ave to Foothill Blvd	\$1,346,400
Locust Ave - from Foothill Blvd to 275 feet north of PE Trail	\$3,300,000
Locust Ave - from Arrow Blvd to Metrolink RR	\$1,950,000
Locust Ave - from Metrolink RR to Merrill Ave	\$770,000
Locust Ave - from Merrill Ave to Randall Ave	\$4,080,000
Miller Ave - Date Ave to Cypress Ave	\$306,000
Miller Ave - 230 feet west of Laurel Ave to Laurel Ave	\$156,400
Miller Ave - 150 feet east of Laurel Ave to Texas Way	\$210,000
Miller Ave - Locust Ave to Maple Ave	\$980,000
Randall Ave. from Lime Ave. to Fontana Ave.	\$2,590,000
Randall Ave from Laurel Ave to Locust Ave (North side)	\$1,280,000
Randall Ave from 650 feet east of Locust Ave to Maple Ave (North side)	\$650,000
Valley Blvd. Banana to Almond	\$1,088,000

ACTIVE TRANSPORTATION NEEDS LIST THROUGH 2043

Facility Name (Projects over next 20 yrs)	Total Cost for Facility
CLASS I SHARED-USE PATHS	
San Bernardino County Parcel from Southern California Edison Utility North to Riverside Ave	\$10,240,112
Southern California Edison Utility North Spur I from Bridlepath Dr to SCE Utility North Spur II	\$5,217,850
Connector Path from Wilson Ave to Southern California Edison Utility North Spur I	\$1,630,542
Southern California Edison Utility North from East Ave to Sierra Ave	\$21,197,626
SR-210 Drainage (South) from Victoria Ave to Knox Ave	\$8,087,756
SR-210 Drainage (North) from San Sevaine Rd to Knox Ave	\$3,261,230
San Sevaine Trail Extension from Pacific Electric Trail to Victoria Ave	\$1,630,542

Metrolink Trail from Catawba Ave to Maple Ave	\$9,881,264
San Sevaine Trail (South) from Philadelphia Ave to 1-10 Freeway	\$8,152,854
Southern California Edison Utility South I from San Sevaine Trail to Rancherias Dr	\$2,608,925
Southern California Edison Utility South II from Live Oak Ave to Poplar Ave	\$3,587,309
Southern California Edison Utility South III from Catawba Park to Locust Ave	\$9,783,542

CLASS II BIKE LANES

Sierra Ave (Central) from Foothill Blvd to Merrill Ave	\$347,437
Valley Blvd from Banana Ave to Alder Ave	\$781,771
Alder Ave (North) from Shamrock to Randall Ave	\$437,844
Cypress Ave (South) from Slover Ave to Southern California Edison Utility Path	\$86,896
Juniper Ave (Central) from Foothill Ave to Merrill Ave	\$173,792
Jurupa Ave from Etiwanda Ave to Live Oak Ave	\$564,677
Merrill Ave from Catawba Ave to Maple Ave	\$521,229
Miller Ave from Beech Ave to Maple Ave	\$654,938
Fontana Ave from Athol Ave to Randall Ave	\$65,977
Live Oak Ave from Jurupa Ave to Fernwood Way	\$52,079
Mulberry Ave from Jurupa Ave to Philadelphia Ave	\$175,547
Poplar Ave (South) from Boyle St to Beech Ave	\$303,989
Randall Ave from Lime Ave to Catawba Ave	\$477,781
Randall Ave from Juniper Ave to Palmetto Ave	\$955,658
San Bernardino Ave from Fontana Ave to Catawba Ave	\$483,048
San Bernardino Ave from Juniper Ave to Alder Ave	\$1,209,723
Sierra Ave from Jurupa Ave to South City Border	\$172,036

Slover Ave from San Sevaine Trail to Sierra Ave	\$781,771
Mango Ave (Central) from Foothill Blvd to Merrill Ave	\$173,792

CLASS IV SEPARATED BIKEWAY CONSTRUCTION

Slover Ave from Sierra Ave to Tamarind Ave	\$151,995
Sierra Ave (South) from Slover Ave to Jurupa Ave	\$407,270
Jurupa Ave from Live Oak Ave to Sierra Ave	\$526,788
Citrus Ave (South) from Slover Ave to Jurupa Ave	\$243,133

TRAFFIC SIGNALS NEEDS LIST THROUGH 2043

Facility Name	Total Cost for Facility
SIERRA RIVERSIDE	\$1,000,000
MERRILL AVE CYPRESS AVE	\$1,000,000
VALLEY BLVD BEECH AVE	\$1,000,000
BASELINE AVE TAMARIND AVE	\$1,000,000
VALLEY BLVD ELM AVENUE	\$1,000,000
SLOVER AVE HEMLOCK AVE	\$1,000,000
LIVE OAK AVE VILLAGE DR	\$1,000,000
FOOTHILL BLVD BEECH AVE	\$1,000,000
BEECH AVE SR-210	\$1,000,000
CHERRY AVE BANANA AVE	\$1,000,000
BEECH AVE MILLER AVE	\$1,000,000
ARROW BLVD LAUREL AVE	\$1,000,000
ALDER AVE MARYGOLD AVE	\$1,000,000

SANTA ANA AVE ALMOND AVE	\$1,000,000
SAN BERNARDINO OLEANDER AVE	\$1,000,000
SAN BERNARDINO MANGO AVE	\$1,000,000
SAN BERNARDINO CATAWBA AVE	\$1,000,000
CHERRY AVE VILLAGE DR	\$1,000,000
SOUTH HIGHLAND JUNIPER AVE	\$1,000,000
SLOVER AVE POPLAR AVE	\$1,000,000
MILLER AVE LOCUST AVE	\$1,000,000
SLOVER AVE BANANA AVE	\$1,000,000
CHERRY AVE SUMMIT AVENUE	\$1,000,000
RANDALL AVE MANGO AVE	\$1,000,000
RANDALL AVE FONTANA AVE/CATAWBA	\$1,000,000
JUNIPER AVE VALENCIA AVE	\$1,000,000
MILLER AVE MANGO AVE	\$1,000,000
SLOVER AVE ELM AVE	\$1,000,000
SOUTH HIGHLAND ALMERIA AVE	\$1,000,000
SOUTH HIGHLAND KNOX AVE	\$1,000,000
MILLER AVE JUNIPER AVE	\$1,000,000
RANDALL AVE CYPRESS AVE	\$1,000,000
BEECH AVE WALNUT AVE	\$1,000,000
WALNUT AVE JUNIPER AVE	\$1,000,000
RANDALL AVE OLEANDER AVE	\$1,000,000
BEECH AVE KRISTINE	\$1,000,000
SUMMIT AVE CYPRESS AVE	\$1,000,000

SANTA ANA AVE ALMOND AVE	\$1,000,000
MARLAY AVE PACIFIC AVE	\$1,000,000
CYPRESS AVE WALNUT STREET	\$1,000,000
SOUTH HERITAGE WEST LIBERTY PKWY	\$1,000,000
SOUTH HERITAGE EAST LIBERTY PKWY	\$1,000,000
RANDALL AVE PEPPER ST	\$1,000,000

SEWER NEEDS LIST THROUGH 2043

YEAR 0 TO YEAR 5

Facility Name	Proj. ID	Description of Improvement	Est. Proj. Cost
<u>Diversion Structures</u>			
San Bernardino Ave and Citrus Ave (1)	-	Change diversion of splitter box. Reconfigure flow direction westerly (MH ID: I24_70)	\$0
San Bernardino Ave and Poplar Ave (1)	-	Change diversion of splitter box. Reconfigure flow direction westerly (MH ID: H24_88)	\$0
Cypress Ave and Baseline Ave (1)	-	Change diversion of splitter box. Reconfigure flow direction westerly (MH ID: I26_28)	\$0
Palmetto Ave and Valley Blvd	H-1	Install diversion stop plate to divert flow into southerly parallel line	\$128,000
Alder Ave and Hawthorne Ave	H-3	Install diversion structure to split half flow into Hawthorne Ave and half into Alder Ave	\$128,000
<u>Pipelines</u>			
Alder Ave and Hawthorne Ave	H-2	Replace ±1,350 LF of 6" dia. pipe with 10" dia. pipe	\$669,000
Granada Ave and Alder Ave	H-4	Replace ±2,400 LF of 8"-12" dia. pipe with 12" and 15" dia. pipe	\$2,436,000
Marygold Ave and Palmetto Ave	H-5	Replace ±1,300 LF of 10" dia. pipe with 15" dia. pipe	\$780,000
Juniper Ave and Randall Ave	H-6	Replace ±2,650 LF of 18" dia. pipe with 24" dia. pipe	\$2,134,000
Oleander Ave and Orange Way	H-7	Lower invert elevation of manhole L21_22 to increase slope and maximize pipe capacity prior to RR crossing. Replace ±1,000 LF of 12"	\$714,000

		dia. pipe and ±300 LF of 10" dia. pipe.	
Gravity Collectors and Local Street Sewer Imprv.	-	Proposed 25,000 LF of 8" dia. Pipe	\$11,250,000
Downtown Core	-	Refer to Appendix A	\$7,871,000

* Apply 10% of Admin and Env Cost to the project

* Apply 6.25% of cost increase from Dec 2023 to Dec 2025 per California Construction Cost Index

SEWER NEEDS LIST THROUGH 2043

YEAR 6 TO YEAR 20

Facility Name	Proj. ID	Description of Improvement	Est. Proj. Cost
<u>Pipelines</u>			
Westgate SP Phase 1	H-8	Proposed ±2,520 of 10" dia. and 1,600± of 12" dia. backbone piping for Westgate SP	\$2,152,000
Westgate SP Phase 2	H-9	Proposed ±3,000 of 12" dia. backbone piping for Westgate SP	\$1,695,000
Arboretum SP	H-10	Proposed ±1,310 of 10" dia. backbone piping for Arboretum Specific Plan	\$649,000
Tamarind Ave. and Grevillea St.	H-11	Replace ±1,900 LF of 15" dia. pipe with 18" dia. pipe	\$1,273,000
Alder Ave and Pine Ave	H-12	Replace ±2,150 LF of 12" dia. pipe with 15" dia. pipe	\$1,290,000
Maple Ave	S-2	Proposed ±2,650 LF of 15" dia. pipe, ±2,650 LF of 12" dia. pipe, and ±6,600 of 10" dia. pipe	\$6,355,000
Gravity Collectors and Local Street Sewer Imprv.	-	Proposed 25,000 LF of 8" dia. Pipe	\$11,250,000
<u>Lift Stations</u>			
Southridge Lift Station	-	Proposed 2.0 MGD LS (1.7 MGD firm capacity)	\$4,000,000
Tamarind	L-1	Proposed 1.7 MGD LS (1.3 MGD firm capacity)	\$3,000,000
11th St and Linden Lift Station	IDI development	Treating IDI development Sewer - Lift Station	\$3,000,000

- * Apply 10% of Admin and Env Cost to the project
- * Apply 6.25% of cost increase from Dec 2023 to Dec 2025 per California Construction Cost Index



PARKS FACILITIES NEEDS LIST THROUGH 2043

I. Park Improvements (Existing Parks)

	Construction Costs	A&E Costs	Total Costs	Priority Level
Almeria Park			\$385,000	
2 new ADA inclusive Playground Structures	\$350,000	\$35,000		High
Cambria Park			\$605,000	
Playground Shade Structure	\$150,000	\$15,000		High
New ADA Inclusive Playground Structure	\$250,000	\$25,000		Low
New Park Gazebo	\$150,000	\$15,000		Low
Catawba Park			\$440,000	
New Restrooms	\$300,000	\$30,000		High
Resurface Parking	\$100,000	\$10,000		Low
Chaparral Park			\$753,500	
Shelter Roof Renovation	\$85,000	\$8,500		Moderate
New Restroom	\$300,000	\$30,000		High
New ADA Inclusive Playground w/ shade Structure	\$300,000	\$30,000		Moderate
Condor Park			\$165,000	
Full coverage playground shade structure	\$150,000	\$15,000		Moderate
Coyote Canyon Park			\$1,419,000	
Add shade at ballfield dugouts (6)	\$150,000	\$15,000		High
New ADA Inclusive Playground Structure	\$250,000	\$25,000		Low
Replace rubber playground safety surfacing	\$80,000	\$8,000		Low
Add shade for ballfield spectator areas (6)	\$360,000	\$36,000		Low
Ballfield Score Boards (3)	\$450,000	\$45,000		Moderate
Fiesta Park			\$412,500	
Playground Shade Structure	\$100,000	\$10,000		High
Replace rubber playground safety surfacing	\$75,000	\$7,500		High
New ADA Inclusive Playground Structure	\$200,000	\$20,000		Low
Fontana Park			\$330,000	
Shaded spectator areas for the pool deck (2)	\$300,000	\$30,000		Low
Dr. Charles Koehler Park			\$572,000	
ADA Playground w/ shade & Improvements	\$400,000	\$40,000		Moderate
Resurface Parking Lot	\$120,000	\$12,000		Low
Heritage Circle Park			\$731,000	
Security Lighting	\$200,000	\$20,000		High
Renovate Restroom	\$150,000	\$15,000		High
Fitness Trail	\$200,000	\$36,000		Moderate
New Park Gazebo	\$100,000	\$10,000		High
Heritage Tot Lot West			\$385,000	
Playground Shade Structure	\$100,000	\$10,000		High
New ADA Inclusive Playground Structure	\$250,000	\$25,000		Low
Hunter's Ridge			\$632,500	
Snack Bar Roof Improvement	\$100,000	\$10,000		Moderate
Resurface Parking Lot	\$120,000	\$12,000		Low
Add Shade at Ballfield Dugouts (2)	\$30,000	\$3,000		High
Full Coverage Playground Shade Structure	\$150,000	\$15,000		Low
Add shade for ballfield spectator areas (2)	\$175,000	\$17,500		Low
Martin Tudor Regional Park			\$3,135,000	
Park Rehabilitation	\$450,000	\$45,000		High
Resurface Parking Lot	\$100,000	\$10,000		High
Sewer Extension	\$300,000	\$30,000		High
Playground Shade Structure	\$150,000	\$15,000		High
Replace rubber playground safety surfacing	\$100,000	\$10,000		High
New ADA Inclusive Playground Structure	\$250,000	\$25,000		High
Bicycle Pump Track Action Park	\$1,500,000	\$150,000		High
Jurupa Hills Open space Park			\$330,000	
Hillside Stabilization above the splash Pad	\$200,000	\$20,000		Low
Wilderness Trails	\$100,000	\$10,000		Moderate



PARKS FACILITIES NEEDS LIST THROUGH 2043

Mary Vagle Museum and Nature Center			\$165,000	
Resurface Existing Parking Lot	\$150,000	\$15,000		High
McDermott Sports Park			\$385,000	
Playground Shade Structure	\$150,000	\$15,000		High
ADA Playground Structure	\$200,000	\$20,000		High
McDermott Soccer Park			\$2,787,500	
Replace Fence	\$225,000	\$22,500		High
Resurface Parking Lot	\$150,000	\$15,000		Low
Shade Structures	\$250,000	\$25,000		Moderate
Artificial Turf	\$2,000,000	\$100,000		Low
Miller Park			\$20,460,000	
New outdoor pool facility	\$2,500,000	\$250,000		Low
New Indoor Pool Facility	\$400,000	\$40,000		Low
Gymnasium with two indoor basketball courts Courts	\$15,000,000	\$1,500,000		Low
Indoor racketball courts	\$300,000	\$30,000		Low
Amphitheatre seating with Dance Area	\$400,000	\$40,000		Low
North Heritage Park			\$687,500	
Playground Shade Structure	\$150,000	\$15,000		High
Replace rubber playground safety surfacing	\$75,000	\$7,500		High
New ADA Inclusive Playground Structure	\$250,000	\$25,000		Low
Lighting	\$150,000	\$15,000		High
North Tamarind Park			\$110,000	
ADA sidewalk improvements	\$100,000	\$10,000		High
Oak Park			\$825,000	
Restroom Improvement	\$150,000	\$15,000		High
Security Lights	\$150,000	\$15,000		High
Shelter Roof	\$50,000	\$5,000		Moderate
Playground Shade Structure	\$150,000	\$15,000		Moderate
New ADA Inclusive Playground Structure	\$250,000	\$25,000		Moderate
Patricia Marrujo Park			\$770,000	
Playground Shade Structures (2)	\$200,000	\$20,000		Moderate
New ADA Inclusive Playground Structure	\$250,000	\$25,000		Moderate
New Park Gazebos (2)	\$250,000	\$25,000		Moderate
Patricia Murry Park			\$550,000	
Playground Shade Structure	\$100,000	\$10,000		High
New ADA Inclusive Playground Structure	\$250,000	\$25,000		Moderate
New Park Gazebo (2)	\$150,000	\$15,000		Moderate
Ralph M. Lewis Park			\$704,000	
New Football Goal Posts with Catch Net Systems(8)	\$640,000	\$64,000		High
Rosena East Park			\$1,210,000	
Playground Shade Structures (2)	\$400,000	\$40,000		High
New Park Gazebo	\$100,000	\$10,000		Low
New ADA Inclusive Playground Structures (2)	\$600,000	\$60,000		Low
Rosena West Park			\$528,000	
Playground Shade Structure	\$150,000	\$15,000		High
Replace rubber playground safety surfacing	\$80,000	\$8,000		High
New ADA Inclusive Playground Structure	\$250,000	\$25,000		Low
San Sevaïne			\$715,000	
Resurface Parking Lot	\$200,000	\$20,000		Low
Full Coverage Playground Shade Structure	\$150,000	\$15,000		Low
Upgrade Existing Park Exercise Equipment	\$150,000	\$15,000		Low
New Park Gazebo	\$150,000	\$15,000		Low
Seville Park			\$880,000	
Resurface Parking Lot	\$100,000	\$10,000		Low
Remove the old amphitheater and stage	\$150,000	\$15,000		Low
New Pickle Ball Courts (4)	\$400,000	\$40,000		Low
ADA sidewalk improvements	\$150,000	\$15,000		Low
Shadow Park			\$440,000	
Playground Shade Structure	\$150,000	\$15,000		Moderate
New ADA Playground Improvements	\$250,000	\$25,000		Moderate



PARKS FACILITIES NEEDS LIST THROUGH 2043

Southridge Park and Don Day Community Center			\$715,000	
Resurface Existing Parking Lot	\$100,000	\$10,000		Low
Shade for Ballfield Spectator Areas (4)	\$300,000	\$30,000		Low
New ADA Inclusive Playground Structure	\$250,000	\$25,000		Low
Sycamore Hills Park			\$605,000	
Playground Shade Structure (2)	\$300,000	\$30,000		High
New ADA Inclusive Playground Structure	\$250,000	\$25,000		High
Village Park			\$1,630,000	
Playground Shade Structure	\$150,000	\$15,000		High
Replace roof on Park Gazebo	\$100,000	\$10,000		High
Shade for Ballfield Spectator Areas (4)	\$250,000	\$25,000		High
New ADA Inclusive Playground Structure	\$250,000	\$25,000		Moderate
Expand Parking	\$250,000	\$25,000		Moderate
ADA sidewalk improvements	\$50,000	\$150,000		Moderate
Ballfield Score Boards(3)	\$300,000	\$30,000		Moderate
VOH Pool Facility			\$330,000	
Spectator Shade Structure (2)	\$300,000	\$30,000		High
General Park Camera Based Security for Parks			\$165,000	
Annual Security up grades to parks	\$150,000	\$15,000		High
	\$40,815,000	\$4,142,500	\$44,957,500	



PARKS FACILITIES NEEDS LIST THROUGH 2043

II. New Community Facilities

	Sq. Ft.	Construction Costs \$650.00 /SF	A&E Costs	Total Costs	Priority Level
Renovated Don Day Community Center				\$28,080,000	
	40,000	\$26,000,000	\$2,080,000		Moderate
				\$28,080,000	

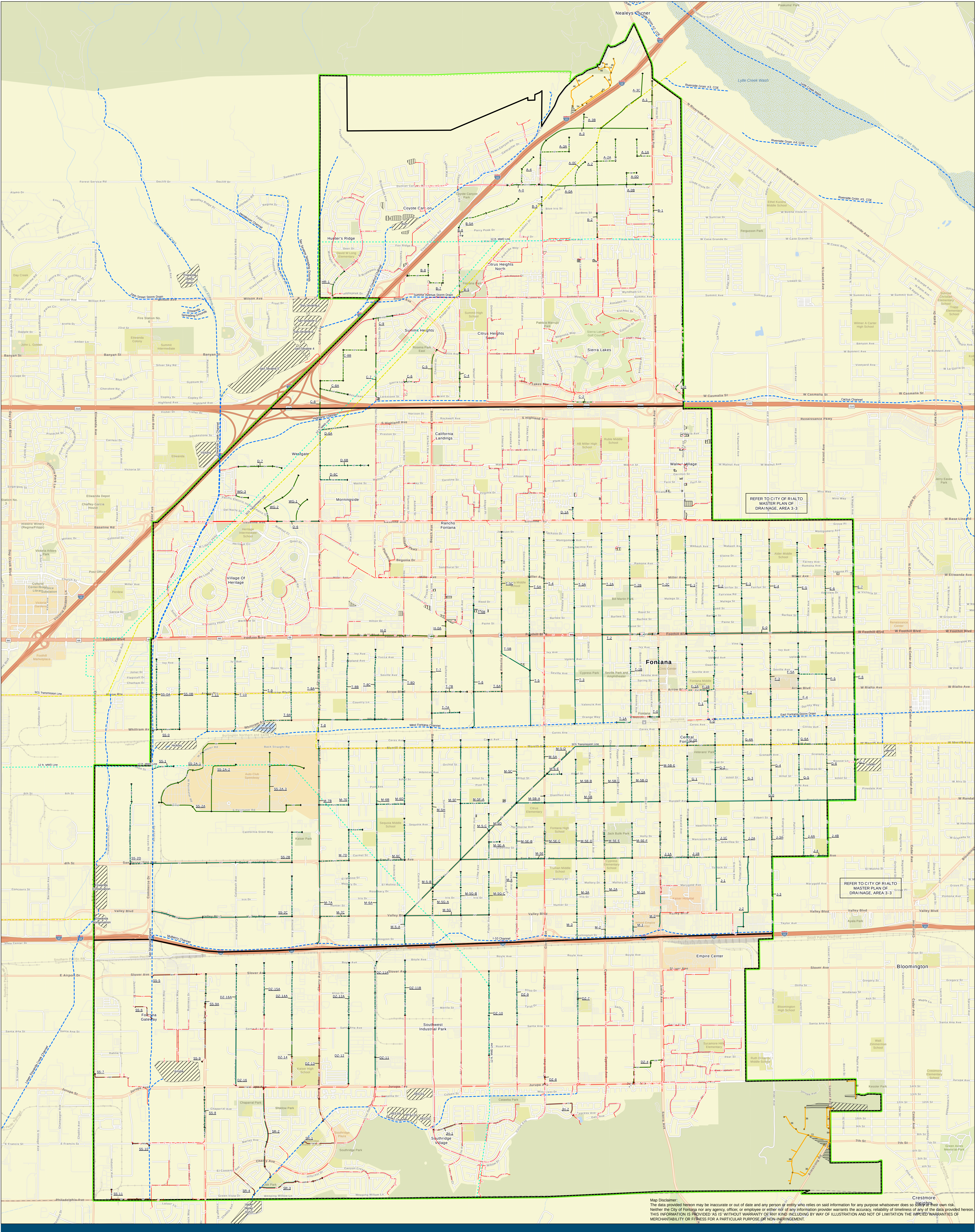
III. Recreation Trails

	Acres	Construction Costs \$450,000 /Acre	A&E Costs	Total Costs	Priority Level
Hiking and Biking Trails (12" Wide)					
Sec Utility Corridor	8.73	\$3,928,500	\$392,850	\$4,321,350	Low
Joint Use Trail (27' Wide)					
San Sevaine Creek Channel	33.71	\$15,169,500	\$758,475	\$15,927,975	Low
				\$20,249,325	

IV. New Parks

	Acres	Land Costs \$600,000 /Acre	Construction Costs \$750,000 /Acre	A&E Costs	Total Costs	Priority Level
Arboretum Parks					\$7,722,000	
	13		\$7,150,000	\$572,000		Moderate
Downtown Linear Park on P.E. Trail					\$1,603,800	
	2.7		\$1,485,000	\$118,800		Moderate
Sierra Lakes Sports Park					\$35,820,000	
	30	\$18,000,000	\$16,500,000	\$1,320,000		Moderate
Westgate Parks					\$11,309,760	
	19.04		\$10,472,000	\$837,760		Moderate
					\$56,455,560	

***STORM DRAIN FACILITIES NEEDS LIST
THROUGH 2043***



Legend

- AOS Boundary
- Fontana Sphere of Influence
- Existing Pipes (36-inch diameter and larger)
- Regional Flood Control Channels
- Metropolitan Water District Feeders
- Gas Transmission Lines

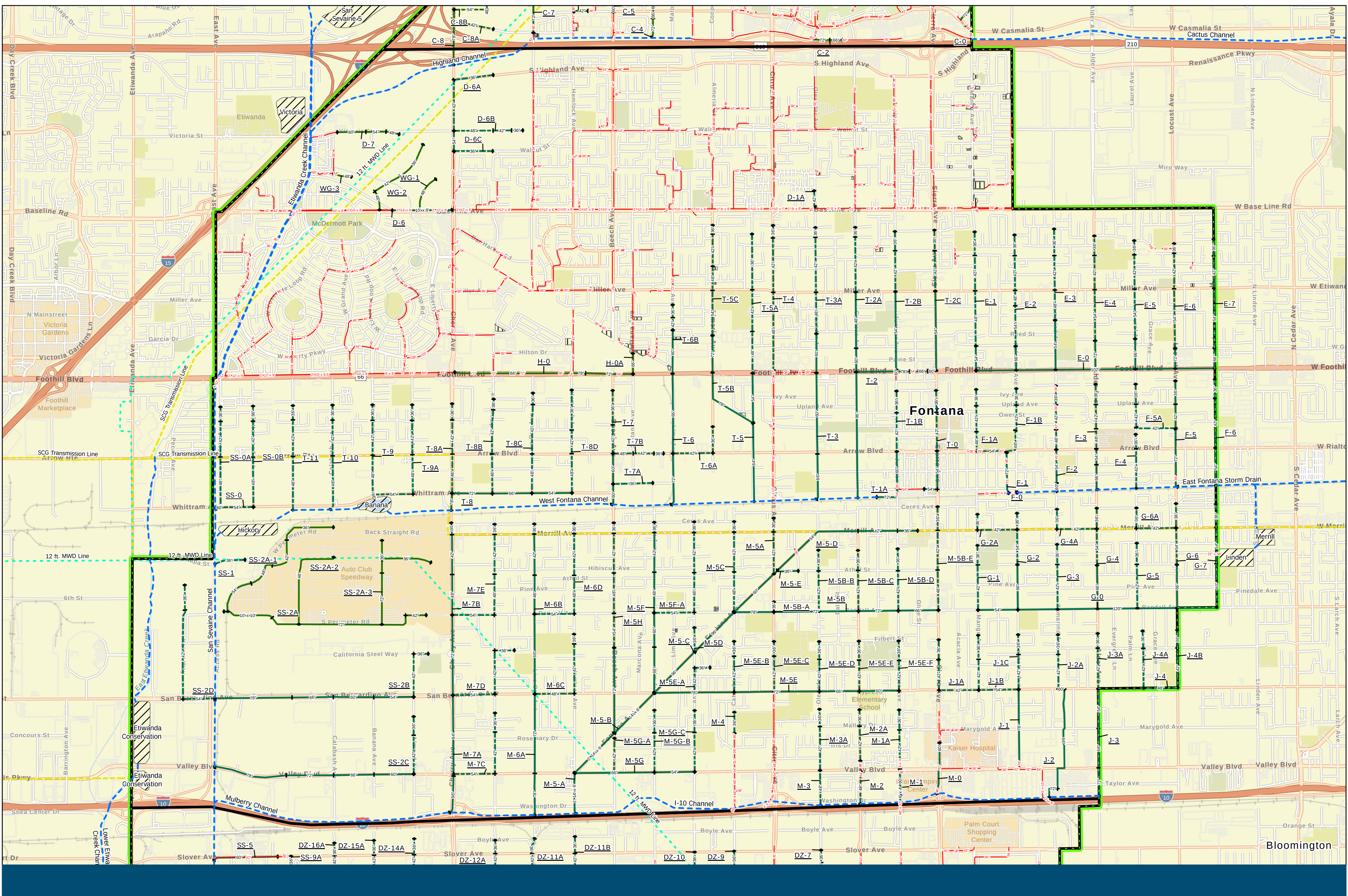
Proposed Projects

- 100-Year
- 25-Year
- Proposed Pipe Sizes (inches or feet)
- Proposed Projects on Regional Facilities
- Proposed Private Development Projects

- Proposed Detention Basins
- Existing Detention Basins
- Existing Recharge Basins

Capital Improvement Project Prioritization Scores
All Areas of Study





- AOS Boundary
- Fontana Sphere of Influence
- Existing Pipes (36-inch diameter and larger)
- Regional Flood Control Channels

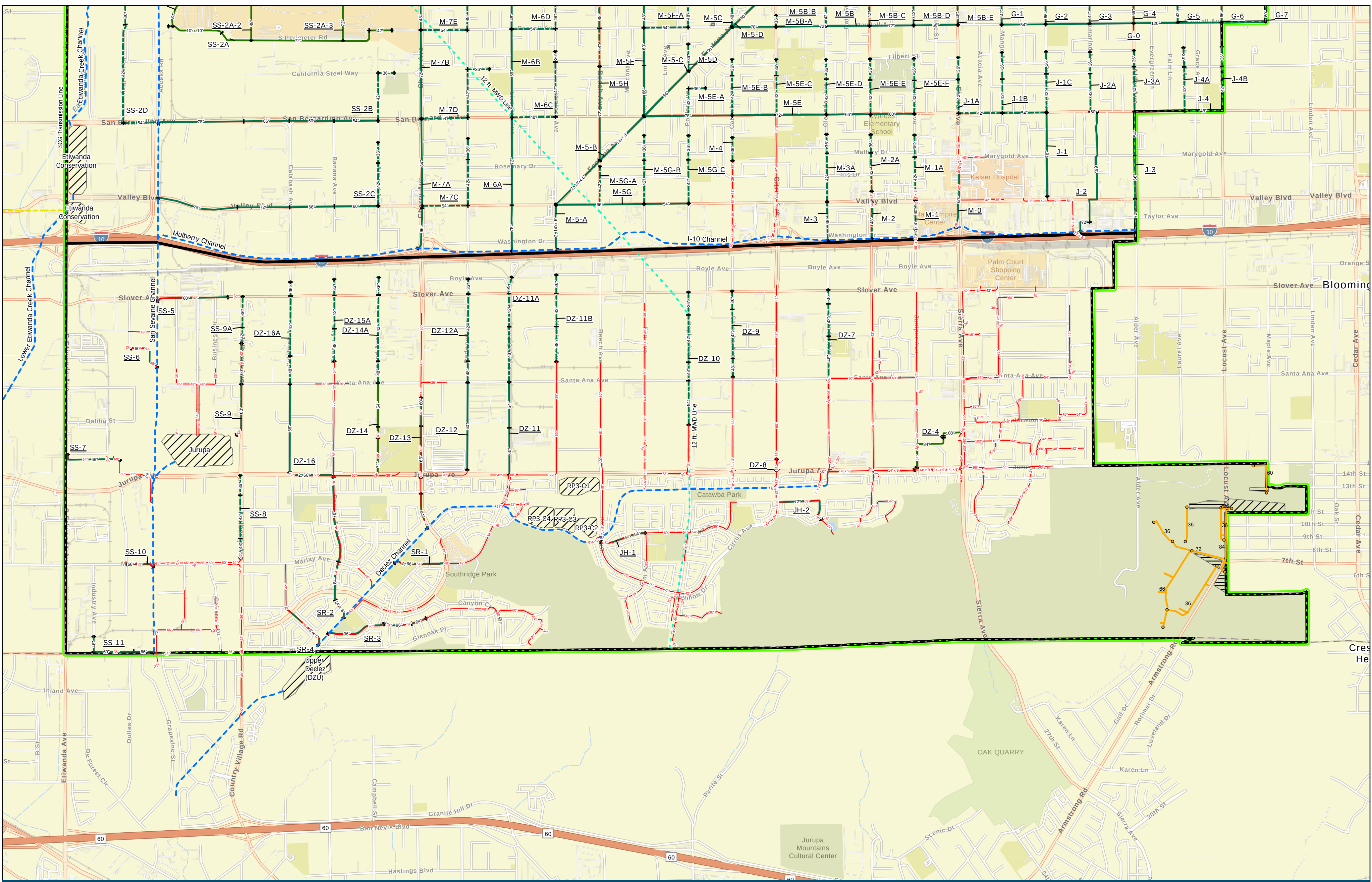
- Proposed Projects
- 100-Year
- 25-Year
- Proposed Pipe Sizes (inches or feet)

- Proposed Projects on Regional Facilities
- Existing Detention Basins
- Existing Recharge Basins

- Metropolitan Water District Feeders
- Gas Transmission Lines

AOS 1 Capital Projects
City of Fontana Storm Drain Master Plan





0

2,500

5,000

10,000 Feet

AOS Boundary

Fontana Sphere of Influence

Existing Pipes (36-inch diameter and larger)

Regional Flood Control Channels

Proposed Projects

100-Year

25-Year

Proposed Pipe Sizes (inches or feet)

Proposed Private Development Projects

Proposed Detention Basins

Existing Detention Basins

Existing Recharge Basins

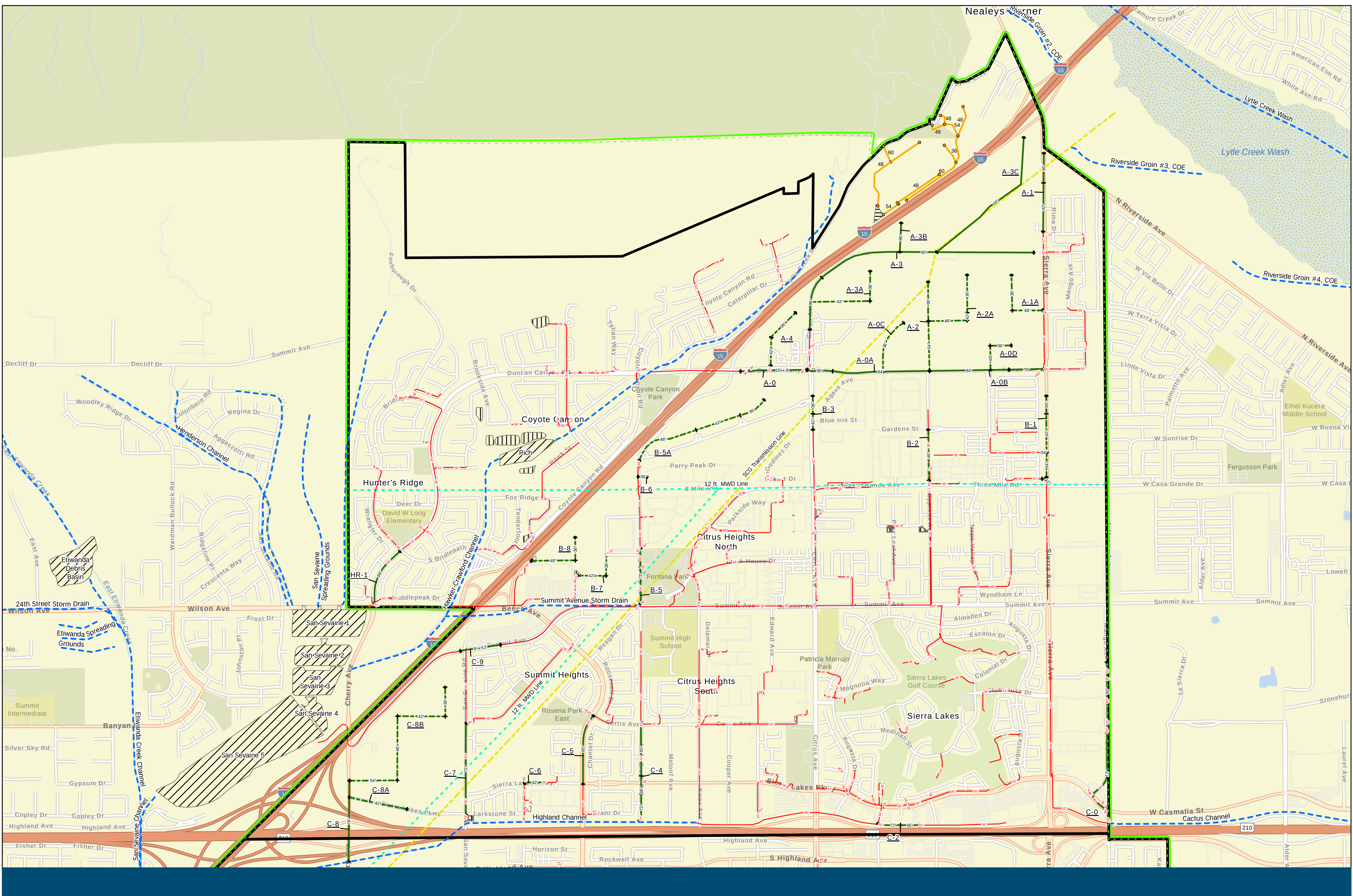
Metropolitan Water District Feeders

Gas Transmission Lines

AOS 2 Capital Projects

City of Fontana Storm Drain Master Plan

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0

2,000

4,000

8,000 Feet

AOS Boundary

Fontana Sphere of Influence

Existing Pipes (36-inch diameter and larger)

Regional Flood Control Channels

100-Year

25-Year

Proposed Pipe Sizes (inches or feet)

Proposed Private Development Projects

Proposed Detention Basins

Existing Detention Basins

Existing Recharge Basins

Metropolitan Water District Feeders

Gas Transmission Lines

AOS 3 Capital Projects

City of Fontana Storm Drain Master Plan

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AOS 1 Capital Project Cost Estimates



Project	Cost
D-1A	\$638,000.00
D-6	\$20,519,000.00
D-6A	\$4,675,000.00
D-6B	\$3,028,000.00
D-6C	\$1,459,000.00
D-7	\$3,131,000.00
E-0	\$27,459,000.00
E-1	\$10,120,000.00
E-2	\$6,511,000.00
E-3	\$6,394,000.00
E-4	\$6,764,000.00
E-5	\$6,409,000.00
E-6	\$6,249,000.00
E-7	\$6,321,000.00
F-1	\$2,821,000.00
F-1A	\$4,093,000.00
F-1B	\$2,986,000.00
F-2	\$4,982,000.00
F-3	\$4,898,000.00
F-4	\$2,134,000.00
F-5	\$5,824,000.00
F-5A	\$3,272,000.00
F-6	\$4,530,000.00
G-0	\$31,966,000.00
G-1	\$2,509,000.00
G-2	\$5,221,000.00
G-2A	\$2,275,000.00
G-3	\$2,518,000.00
G-4	\$5,360,000.00
G-4A	\$2,411,000.00
G-5	\$2,514,000.00
G-6	\$5,496,000.00
G-6A	\$2,435,000.00
G-7	\$5,223,000.00

Project	Cost
H-0	\$16,558,000.00
H-0A	\$1,376,000.00
J-1	\$5,558,000.00
J-1A	\$3,660,000.00
J-1B	\$4,074,000.00
J-1C	\$2,140,000.00
J-2	\$7,918,000.00
J-2A	\$2,425,000.00
J-3	\$6,428,000.00
J-3A	\$2,178,000.00
J-4	\$1,528,000.00
J-4A	\$2,248,000.00
J-4B	\$2,255,000.00
M-0	\$3,064,000.00
M-1	\$2,254,000.00
M-1A	\$2,228,000.00
M-2	\$1,528,000.00
M-2A	\$1,980,000.00
M-3	\$1,604,000.00
M-3A	\$2,490,000.00
M-4	\$775,000.00
M-5-A	\$42,209,000.00
M-5-B	\$87,343,000.00
M-5-C	\$11,275,000.00
M-5-D	\$10,714,000.00
M-5-E	\$807,000.00
M-5A	\$2,295,000.00
M-5B	\$13,584,000.00
M-5B-A	\$377,000.00
M-5B-B	\$2,380,000.00
M-5B-C	\$2,359,000.00
M-5B-D	\$2,398,000.00
M-5B-E	\$4,419,000.00
M-5C	\$3,936,000.00

Project	Cost
M-5D	\$883,000.00
M-5E	\$27,493,000.00
M-5E-A	\$1,543,000.00
M-5E-B	\$1,985,000.00
M-5E-C	\$1,960,000.00
M-5E-D	\$1,931,000.00
M-5E-E	\$1,936,000.00
M-5E-F	\$1,914,000.00
M-5F	\$8,724,000.00
M-5F-A	\$5,968,000.00
M-5G	\$7,041,000.00
M-5G-A	\$1,450,000.00
M-5G-B	\$2,428,000.00
M-5G-C	\$2,473,000.00
M-5H	\$11,553,000.00
M-6A	\$8,300,000.00
M-6B	\$8,904,000.00
M-6C	\$4,254,000.00
M-6D	\$6,021,000.00
M-7A	\$10,749,000.00
M-7B	\$9,501,000.00
M-7C	\$4,550,000.00
M-7D	\$4,736,000.00
M-7E	\$6,074,000.00
SS-0	\$3,850,000.00
SS-0A	\$3,800,000.00
SS-0B	\$4,371,000.00
SS-1	\$1,130,000.00
SS-2A-1	\$7,183,000.00
SS-2A	\$28,483,000.00
SS-2A-2	\$4,513,000.00
SS-2A-3	\$6,658,000.00
SS-2B	\$15,071,000.00
SS-2C	\$16,093,000.00

Project	Cost
SS-2D	\$4,625,000.00
T-0	\$6,570,000.00
T-10	\$4,439,000.00
T-11	\$4,489,000.00
T-1A	\$3,929,000.00
T-1B	\$2,342,000.00
T-2	\$20,035,000.00
T-2A	\$7,649,000.00
T-2B	\$6,375,000.00
T-2C	\$6,388,000.00
T-3	\$9,259,000.00
T-3A	\$11,376,000.00
T-4	\$5,880,000.00
T-5	\$8,995,000.00
T-5A	\$5,790,000.00
T-5B	\$5,614,000.00
T-5C	\$7,346,000.00
T-6	\$7,250,000.00
T-6A	\$2,584,000.00
T-6B	\$3,350,000.00
T-7	\$12,064,000.00
T-7A	\$1,434,000.00
T-7B	\$2,069,000.00
T-8	\$10,190,000.00
T-8A	\$3,685,000.00
T-8B	\$3,920,000.00
T-8C	\$3,768,000.00
T-8D	\$5,920,000.00
T-9	\$4,593,000.00
T-9A	\$5,871,000.00
WG-1	\$1,625,000.00
WG-2	\$3,643,000.00
WG-3	\$828,000.00

Name	D-1A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 42" RCP	FT	540	\$588	\$ 318,000
2	Manhole	EA	1	\$20,322	\$ 20,000
3	Sawcut and Remove Existing AC Pavement	SF	3,180	\$2.66	\$ 8,000
4	Crushed Miscellaneous Base	SF	3,180	\$4	\$ 13,000
5	Replace Asphalt Concrete Pavement	SF	3,180	\$2	\$ 6,000
6	Traffic Control	%	5%		\$ 18,000
7	Erosion Control	%	1%		\$ 4,000
8	Moblilization/Demobilization	%	10%		\$ 39,000
SUBTOTAL (CONSTRUCTION)					\$ 426,000
	Engineering and Design	%	10%		\$ 42,600
	Surveying & Staking & Geotechnical	%	5%		\$ 21,000
	Construction Management/Staff	%	10%		\$ 42,600
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 106,000
SUBTOTAL COST					\$ 532,000
CONTINGENCY				20%	\$ 106,000
TOTAL PROJECT					\$ 638,000

* All unit prices reflect 2024 costs.

Name	D-6				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 10' x 8' RCB	FT	1,990	\$4,491	\$ 8,937,000
2	Manhole	EA	5	\$20,322	\$ 102,000
3	Remove 14' x 8' RCB	FT	850	\$910	\$ 773,000
4	Remove 12' x 8' RCB	FT	1,990	\$639	\$ 1,272,000
5	Sawcut and Remove Existing AC Pavement	SF	19,900	\$2.66	\$ 53,000
6	Crushed Miscellaneous Base	SF	19,900	\$4	\$ 80,000
7	Replace Asphalt Concrete Pavement	SF	19,900	\$2	\$ 40,000
8	Traffic Control	%	5%		\$ 563,000
9	Erosion Control	%	1%		\$ 118,000
10	Moblilization/Demobilization	%	10%		\$ 1,194,000
SUBTOTAL (CONSTRUCTION)					\$ 13,132,000
	Engineering and Design	%	10%		\$ 1,313,000
	Surveying & Staking & Geotechnical	%	5%		\$ 657,000
	Construction Management/Staff	%	10%		\$ 1,313,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 3,283,000
SUBTOTAL COST					\$ 16,415,000
CONTINGENCY +				25%	\$ 4,104,000
TOTAL PROJECT					\$ 20,519,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	D-6A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	1,320	\$527	\$ 696,000
2	Install 42" RCP	FT	1,700	\$588	\$ 1,000,000
3	Install 54" RCP	FT	680	\$732	\$ 498,000
4	Manhole	EA	9	\$20,322	\$ 183,000
5	Sawcut and Remove Existing AC Pavement	SF	21,740	\$2.66	\$ 58,000
6	Crushed Miscellaneous Base	SF	21,740	\$4	\$ 87,000
7	Replace Asphalt Concrete Pavement	SF	21,740	\$2	\$ 43,000
8	Traffic Control	%	5%		\$ 128,000
9	Erosion Control	%	1%		\$ 27,000
10	Moblilization/Demobilization	%	10%		\$ 272,000
SUBTOTAL (CONSTRUCTION)					\$ 2,992,000
	Engineering and Design	%	10%		\$ 299,000
	Surveying & Staking & Geotechnical	%	5%		\$ 150,000
	Construction Management/Staff	%	10%		\$ 299,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 748,000
SUBTOTAL COST					\$ 3,740,000
CONTINGENCY +				25%	\$ 935,000
TOTAL PROJECT					\$ 4,675,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway, 12' water main, and SCG transmisson line conflict

Name	D-6B				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	380	\$527	\$ 200,000
2	Install 42" RCP	FT	620	\$588	\$ 365,000
3	Install 48" RCP	FT	1,300	\$656	\$ 853,000
4	Manhole	EA	6	\$20,322	\$ 122,000
5	Sawcut and Remove Existing AC Pavement	SF	14,020	\$2.66	\$ 37,000
6	Crushed Miscellaneous Base	SF	14,020	\$4	\$ 56,000
7	Replace Asphalt Concrete Pavement	SF	14,020	\$2	\$ 28,000
8	Traffic Control	%	5%		\$ 83,000
9	Erosion Control	%	1%		\$ 17,000
10	Moblilization/Demobilization	%	10%		\$ 176,000
SUBTOTAL (CONSTRUCTION)					\$ 1,937,000
	Engineering and Design	%	10%		\$ 194,000
	Surveying & Staking & Geotechnical	%	5%		\$ 97,000
	Construction Management/Staff	%	10%		\$ 194,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 485,000
SUBTOTAL COST					\$ 2,422,000
CONTINGENCY +				25%	\$ 606,000
TOTAL PROJECT					\$ 3,028,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	D-6C				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	1,290	\$527	\$ 680,000
2	Manhole	EA	3	\$20,322	\$ 61,000
3	Sawcut and Remove Existing AC Pavement	SF	6,880	\$2.66	\$ 18,000
4	Crushed Miscellaneous Base	SF	6,880	\$4	\$ 28,000
5	Replace Asphalt Concrete Pavement	SF	6,880	\$2	\$ 14,000
6	Traffic Control	%	5%		\$ 40,000
7	Erosion Control	%	1%		\$ 8,000
8	Moblilization/Demobilization	%	10%		\$ 85,000
SUBTOTAL (CONSTRUCTION)					\$ 934,000
	Engineering and Design	%	10%		\$ 93,000
	Surveying & Staking & Geotechnical	%	5%		\$ 47,000
	Construction Management/Staff	%	10%		\$ 93,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 233,000
SUBTOTAL COST					\$ 1,167,000
CONTINGENCY +				25%	\$ 292,000
TOTAL PROJECT					\$ 1,459,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	D-7				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 48" RCP	FT	450	\$656	\$ 295,000
2	Install 54" RCP	FT	670	\$732	\$ 490,000
3	Install 60" RCP	FT	950	\$816	\$ 775,000
4	Manhole	EA	5	\$20,322	\$ 102,000
5	Sawcut and Remove Existing AC Pavement	SF	14,680	\$2.66	\$ 39,000
6	Crushed Miscellaneous Base	SF	14,680	\$4	\$ 59,000
7	Replace Asphalt Concrete Pavement	SF	14,680	\$2	\$ 29,000
8	Traffic Control	%	5%		\$ 89,000
9	Erosion Control	%	1%		\$ 19,000
10	Mobilization/Demobilization	%	10%		\$ 190,000
SUBTOTAL (CONSTRUCTION)					\$ 2,087,000
	Engineering and Design	%	10%		\$ 209,000
	Surveying & Staking & Geotechnical	%	5%		\$ 104,000
	Construction Management/Staff	%	10%		\$ 209,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 522,000
SUBTOTAL COST					\$ 2,609,000
CONTINGENCY				20%	\$ 522,000
TOTAL PROJECT					\$ 3,131,000

* All unit prices reflect 2024 costs.

Name	E-0				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 102" RCP	FT	7,920	\$1,753	\$ 13,884,000
2	Manhole	EA	20	\$20,322	\$ 406,000
3	Sawcut and Remove Existing AC Pavement	SF	89,430	\$2.66	\$ 238,000
4	Crushed Miscellaneous Base	SF	89,430	\$4	\$ 358,000
5	Replace Asphalt Concrete Pavement	SF	89,430	\$2	\$ 179,000
6	Traffic Control	%	5%		\$ 753,000
7	Erosion Control	%	1%		\$ 158,000
8	Moblilization/Demobilization	%	10%		\$ 1,598,000
SUBTOTAL (CONSTRUCTION)					\$ 17,574,000
	Engineering and Design	%	10%		\$ 1,757,000
	Surveying & Staking & Geotechnical	%	5%		\$ 879,000
	Construction Management/Staff	%	10%		\$ 1,757,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 4,393,000
SUBTOTAL COST					\$ 21,967,000
CONTINGENCY +				25%	\$ 5,492,000
TOTAL PROJECT					\$ 27,459,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	E-1				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	790	\$527	\$ 416,000
2	Install 42" RCP	FT	1,170	\$588	\$ 688,000
3	Install 48" RCP	FT	2,650	\$656	\$ 1,738,000
4	Install 54" RCP	FT	2,650	\$732	\$ 1,940,000
5	Manhole	EA	18	\$20,322	\$ 366,000
6	Sawcut and Remove Existing AC Pavement	SF	46,540	\$2.66	\$ 124,000
7	Crushed Miscellaneous Base	SF	46,540	\$4	\$ 186,000
8	Replace Asphalt Concrete Pavement	SF	46,540	\$2	\$ 93,000
9	Traffic Control	%	5%		\$ 278,000
10	Erosion Control	%	1%		\$ 58,000
11	Mobilization/Demobilization	%	10%		\$ 589,000
SUBTOTAL (CONSTRUCTION)					\$ 6,476,000
	Engineering and Design	%	10%		\$ 648,000
	Surveying & Staking & Geotechnical	%	5%		\$ 324,000
	Construction Management/Staff	%	10%		\$ 648,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,620,000
SUBTOTAL COST					\$ 8,096,000
CONTINGENCY +				25%	\$ 2,024,000
TOTAL PROJECT					\$ 10,120,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	E-2				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	690	\$527	\$ 364,000
2	Install 42" RCP	FT	1,150	\$588	\$ 676,000
3	Install 48" RCP	FT	520	\$656	\$ 341,000
4	Install 54" RCP	FT	1,340	\$732	\$ 981,000
5	Install 66" RCP	FT	800	\$911	\$ 729,000
6	Manhole	EA	11	\$20,322	\$ 224,000
7	Sawcut and Remove Existing AC Pavement	SF	29,540	\$2.66	\$ 79,000
8	Crushed Miscellaneous Base	SF	29,540	\$4	\$ 118,000
9	Replace Asphalt Concrete Pavement	SF	29,540	\$2	\$ 59,000
10	Traffic Control	%	5%		\$ 179,000
11	Erosion Control	%	1%		\$ 38,000
12	Moblilization/Demobilization	%	10%		\$ 379,000
SUBTOTAL (CONSTRUCTION)					\$ 4,167,000
	Engineering and Design	%	10%		\$ 417,000
	Surveying & Staking & Geotechnical	%	5%		\$ 208,000
	Construction Management/Staff	%	10%		\$ 417,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,042,000
SUBTOTAL COST					\$ 5,209,000
CONTINGENCY +				25%	\$ 1,302,000
TOTAL PROJECT					\$ 6,511,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	E-3				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	890	\$527	\$ 469,000
2	Install 42" RCP	FT	1,150	\$588	\$ 676,000
3	Install 48" RCP	FT	1,000	\$656	\$ 656,000
4	Install 54" RCP	FT	1,650	\$732	\$ 1,208,000
5	Manhole	EA	12	\$20,322	\$ 244,000
6	Sawcut and Remove Existing AC Pavement	SF	29,410	\$2.66	\$ 78,000
7	Crushed Miscellaneous Base	SF	29,410	\$4	\$ 118,000
8	Replace Asphalt Concrete Pavement	SF	29,410	\$2	\$ 59,000
9	Traffic Control	%	5%		\$ 175,000
10	Erosion Control	%	1%		\$ 37,000
11	Mobilization/Demobilization	%	10%		\$ 372,000
SUBTOTAL (CONSTRUCTION)					\$ 4,092,000
	Engineering and Design	%	10%		\$ 409,000
	Surveying & Staking & Geotechnical	%	5%		\$ 205,000
	Construction Management/Staff	%	10%		\$ 409,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,023,000
SUBTOTAL COST					\$ 5,115,000
CONTINGENCY +				25%	\$ 1,279,000
TOTAL PROJECT					\$ 6,394,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	E-4				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	650	\$527	\$ 343,000
2	Install 42" RCP	FT	1,140	\$588	\$ 670,000
3	Install 54" RCP	FT	1,690	\$732	\$ 1,237,000
4	Install 72" RCP	FT	960	\$1,016	\$ 975,000
5	Manhole	EA	11	\$20,322	\$ 224,000
6	Sawcut and Remove Existing AC Pavement	SF	30,170	\$2.66	\$ 80,000
7	Crushed Miscellaneous Base	SF	30,170	\$4	\$ 121,000
8	Replace Asphalt Concrete Pavement	SF	30,170	\$2	\$ 60,000
9	Traffic Control	%	5%		\$ 186,000
10	Erosion Control	%	1%		\$ 39,000
11	Mobilization/Demobilization	%	10%		\$ 394,000
SUBTOTAL (CONSTRUCTION)					\$ 4,329,000
	Engineering and Design	%	10%		\$ 433,000
	Surveying & Staking & Geotechnical	%	5%		\$ 216,000
	Construction Management/Staff	%	10%		\$ 433,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,082,000
SUBTOTAL COST					\$ 5,411,000
CONTINGENCY +				25%	\$ 1,353,000
TOTAL PROJECT					\$ 6,764,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	E-5				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	480	\$527	\$ 253,000
2	Install 42" RCP	FT	1,140	\$588	\$ 670,000
3	Install 54" RCP	FT	1,650	\$732	\$ 1,208,000
4	Install 66" RCP	FT	1,000	\$911	\$ 911,000
5	Manhole	EA	11	\$20,322	\$ 224,000
6	Sawcut and Remove Existing AC Pavement	SF	28,790	\$2.66	\$ 77,000
7	Crushed Miscellaneous Base	SF	28,790	\$4	\$ 115,000
8	Replace Asphalt Concrete Pavement	SF	28,790	\$2	\$ 58,000
9	Traffic Control	%	5%		\$ 176,000
10	Erosion Control	%	1%		\$ 37,000
11	Mobilization/Demobilization	%	10%		\$ 373,000
SUBTOTAL (CONSTRUCTION)					\$ 4,102,000
	Engineering and Design	%	10%		\$ 410,000
	Surveying & Staking & Geotechnical	%	5%		\$ 205,000
	Construction Management/Staff	%	10%		\$ 410,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,025,000
SUBTOTAL COST					\$ 5,127,000
CONTINGENCY +				25%	\$ 1,282,000
TOTAL PROJECT					\$ 6,409,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	E-6				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	320	\$527	\$ 169,000
2	Install 42" RCP	FT	1,180	\$588	\$ 694,000
3	Install 54" RCP	FT	1,970	\$732	\$ 1,442,000
4	Install 72" RCP	FT	680	\$1,016	\$ 691,000
5	Manhole	EA	10	\$20,322	\$ 203,000
6	Sawcut and Remove Existing AC Pavement	SF	26,450	\$2.66	\$ 70,000
7	Crushed Miscellaneous Base	SF	26,450	\$4	\$ 106,000
8	Replace Asphalt Concrete Pavement	SF	26,450	\$2	\$ 53,000
9	Traffic Control	%	5%		\$ 171,000
10	Erosion Control	%	1%		\$ 36,000
11	Mobilization/Demobilization	%	10%		\$ 364,000
SUBTOTAL (CONSTRUCTION)					\$ 3,999,000
	Engineering and Design	%	10%		\$ 400,000
	Surveying & Staking & Geotechnical	%	5%		\$ 200,000
	Construction Management/Staff	%	10%		\$ 400,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,000,000
SUBTOTAL COST					\$ 4,999,000
CONTINGENCY +				25%	\$ 1,250,000
TOTAL PROJECT					\$ 6,249,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	E-7				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	560	\$527	\$ 295,000
2	Install 42" RCP	FT	1,070	\$588	\$ 629,000
3	Install 54" RCP	FT	1,990	\$732	\$ 1,457,000
4	Install 66" RCP	FT	670	\$911	\$ 610,000
5	Manhole	EA	11	\$20,322	\$ 224,000
6	Sawcut and Remove Existing AC Pavement	SF	29,240	\$2.66	\$ 78,000
7	Crushed Miscellaneous Base	SF	29,240	\$4	\$ 117,000
8	Replace Asphalt Concrete Pavement	SF	29,240	\$2	\$ 58,000
9	Traffic Control	%	5%		\$ 173,000
10	Erosion Control	%	1%		\$ 36,000
11	Mobilization/Demobilization	%	10%		\$ 368,000
SUBTOTAL (CONSTRUCTION)					\$ 4,045,000
	Engineering and Design	%	10%		\$ 405,000
	Surveying & Staking & Geotechnical	%	5%		\$ 202,000
	Construction Management/Staff	%	10%		\$ 405,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,012,000
SUBTOTAL COST					\$ 5,057,000
CONTINGENCY +				25%	\$ 1,264,000
TOTAL PROJECT					\$ 6,321,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	F-1				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 72" RCP	FT	1,340	\$1,016	\$ 1,361,000
2	Manhole	EA	3	\$20,322	\$ 61,000
3	Remove 48" RCP	FT	530	\$71	\$ 38,000
4	Remove 54" RCP	FT	650	\$80	\$ 52,000
5	Sawcut and Remove Existing AC Pavement	SF	11,510	\$2.66	\$ 31,000
6	Crushed Miscellaneous Base	SF	11,510	\$4	\$ 46,000
7	Replace Asphalt Concrete Pavement	SF	11,510	\$2	\$ 23,000
8	Traffic Control	%	5%		\$ 81,000
9	Erosion Control	%	1%		\$ 17,000
10	Mobilization/Demobilization	%	10%		\$ 171,000
SUBTOTAL (CONSTRUCTION)					\$ 1,881,000
	Engineering and Design	%	10%		\$ 188,000
	Surveying & Staking & Geotechnical	%	5%		\$ 94,000
	Construction Management/Staff	%	10%		\$ 188,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 470,000
SUBTOTAL COST					\$ 2,351,000
CONTINGENCY				20%	\$ 470,000
TOTAL PROJECT					\$ 2,821,000

* All unit prices reflect 2024 costs.

Name	F-1A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	730	\$527	\$ 385,000
2	Install 42" RCP	FT	690	\$588	\$ 406,000
3	Install 48" RCP	FT	650	\$656	\$ 426,000
4	Install 54" RCP	FT	1,000	\$732	\$ 732,000
5	Manhole	EA	8	\$20,322	\$ 163,000
6	Remove 42" RCP	FT	980	\$62	\$ 61,000
7	Sawcut and Remove Existing AC Pavement	SF	19,210	\$2.66	\$ 51,000
8	Crushed Miscellaneous Base	SF	19,210	\$4	\$ 77,000
9	Replace Asphalt Concrete Pavement	SF	19,210	\$2	\$ 38,000
10	Traffic Control	%	5%		\$ 117,000
11	Erosion Control	%	1%		\$ 25,000
12	Moblilization/Demobilization	%	10%		\$ 248,000
SUBTOTAL (CONSTRUCTION)					\$ 2,729,000
	Engineering and Design	%	10%		\$ 273,000
	Surveying & Staking & Geotechnical	%	5%		\$ 136,000
	Construction Management/Staff	%	10%		\$ 273,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 682,000
SUBTOTAL COST					\$ 3,411,000
CONTINGENCY				20%	\$ 682,000
TOTAL PROJECT					\$ 4,093,000

* All unit prices reflect 2024 costs.

Name	F-1B				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	710	\$527	\$ 374,000
2	Install 42" RCP	FT	690	\$588	\$ 406,000
3	Install 48" RCP	FT	970	\$656	\$ 636,000
4	Manhole	EA	6	\$20,322	\$ 122,000
5	Remove 24" RCP	FT	200	\$35	\$ 7,000
6	Remove 30" RCP	FT	920	\$44	\$ 40,000
7	Sawcut and Remove Existing AC Pavement	SF	14,070	\$2.66	\$ 37,000
8	Crushed Miscellaneous Base	SF	14,070	\$4	\$ 56,000
9	Replace Asphalt Concrete Pavement	SF	14,070	\$2	\$ 28,000
10	Traffic Control	%	5%		\$ 85,000
11	Erosion Control	%	1%		\$ 18,000
12	Moblilization/Demobilization	%	10%		\$ 181,000
SUBTOTAL (CONSTRUCTION)					\$ 1,990,000
	Engineering and Design	%	10%		\$ 199,000
	Surveying & Staking & Geotechnical	%	5%		\$ 100,000
	Construction Management/Staff	%	10%		\$ 199,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 498,000
SUBTOTAL COST					\$ 2,488,000
CONTINGENCY				20%	\$ 498,000
TOTAL PROJECT					\$ 2,986,000

* All unit prices reflect 2024 costs.

Name	F-2				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	820	\$527	\$ 432,000
2	Install 42" RCP	FT	650	\$588	\$ 382,000
3	Install 48" RCP	FT	660	\$656	\$ 433,000
4	Install 54" RCP	FT	1,110	\$732	\$ 813,000
5	Install 60" RCP	FT	280	\$816	\$ 228,000
6	Manhole	EA	9	\$20,322	\$ 183,000
7	Remove 36" RCP	FT	720	\$53	\$ 38,000
8	Remove 39" RCP	FT	850	\$58	\$ 49,000
9	Remove 42" RCP	FT	320	\$62	\$ 20,000
10	Remove 48" RCP	FT	1,080	\$71	\$ 77,000
11	Sawcut and Remove Existing AC Pavement	SF	22,260	\$2.66	\$ 59,000
12	Crushed Miscellaneous Base	SF	22,260	\$4	\$ 89,000
13	Replace Asphalt Concrete Pavement	SF	22,260	\$2	\$ 45,000
14	Traffic Control	%	5%		\$ 142,000
15	Erosion Control	%	1%		\$ 30,000
16	Mobilization/Demobilization	%	10%		\$ 302,000
SUBTOTAL (CONSTRUCTION)					\$ 3,322,000
	Engineering and Design	%	10%		\$ 332,000
	Surveying & Staking & Geotechnical	%	5%		\$ 166,000
	Construction Management/Staff	%	10%		\$ 332,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 830,000
SUBTOTAL COST					\$ 4,152,000
CONTINGENCY				20%	\$ 830,000
TOTAL PROJECT					\$ 4,982,000

* All unit prices reflect 2024 costs.

Name	F-3				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	850	\$527	\$ 448,000
2	Install 42" RCP	FT	640	\$588	\$ 376,000
3	Install 48" RCP	FT	670	\$656	\$ 440,000
4	Install 54" RCP	FT	530	\$732	\$ 388,000
5	Install 66" RCP	FT	840	\$911	\$ 765,000
6	Manhole	EA	9	\$20,322	\$ 183,000
7	Sawcut and Remove Existing AC Pavement	SF	23,040	\$2.66	\$ 61,000
8	Crushed Miscellaneous Base	SF	23,040	\$4	\$ 92,000
9	Replace Asphalt Concrete Pavement	SF	23,040	\$2	\$ 46,000
10	Traffic Control	%	5%		\$ 140,000
11	Erosion Control	%	1%		\$ 29,000
12	Moblilization/Demobilization	%	10%		\$ 297,000
SUBTOTAL (CONSTRUCTION)					\$ 3,265,000
	Engineering and Design	%	10%		\$ 327,000
	Surveying & Staking & Geotechnical	%	5%		\$ 163,000
	Construction Management/Staff	%	10%		\$ 327,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 817,000
SUBTOTAL COST					\$ 4,082,000
CONTINGENCY				20%	\$ 816,000
TOTAL PROJECT					\$ 4,898,000

* All unit prices reflect 2024 costs.

Name	F-4				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	480	\$527	\$ 253,000
2	Install 42" RCP	FT	1,320	\$588	\$ 776,000
3	Manhole	EA	5	\$20,322	\$ 102,000
4	Sawcut and Remove Existing AC Pavement	SF	10,320	\$2.66	\$ 27,000
5	Crushed Miscellaneous Base	SF	10,320	\$4	\$ 41,000
6	Replace Asphalt Concrete Pavement	SF	10,320	\$2	\$ 21,000
7	Traffic Control	%	5%		\$ 61,000
8	Erosion Control	%	1%		\$ 13,000
9	Moblilization/Demobilization	%	10%		\$ 129,000
SUBTOTAL (CONSTRUCTION)					\$ 1,423,000
	Engineering and Design	%	10%		\$ 142,000
	Surveying & Staking & Geotechnical	%	5%		\$ 71,000
	Construction Management/Staff	%	10%		\$ 142,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 355,000
SUBTOTAL COST					\$ 1,778,000
CONTINGENCY					20% \$ 356,000
TOTAL PROJECT					\$ 2,134,000

* All unit prices reflect 2024 costs.

Name	F-5				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	890	\$527	\$ 469,000
2	Install 42" RCP	FT	710	\$588	\$ 417,000
3	Install 72" RCP	FT	1,970	\$1,016	\$ 2,002,000
4	Manhole	EA	9	\$20,322	\$ 183,000
5	Remove 39" RCP	FT	590	\$58	\$ 34,000
6	Sawcut and Remove Existing AC Pavement	SF	25,830	\$2.66	\$ 69,000
7	Crushed Miscellaneous Base	SF	25,830	\$4	\$ 103,000
8	Replace Asphalt Concrete Pavement	SF	25,830	\$2	\$ 52,000
9	Traffic Control	%	5%		\$ 166,000
10	Erosion Control	%	1%		\$ 35,000
11	Moblilization/Demobilization	%	10%		\$ 353,000
SUBTOTAL (CONSTRUCTION)					\$ 3,883,000
	Engineering and Design	%	10%		\$ 388,000
	Surveying & Staking & Geotechnical	%	5%		\$ 194,000
	Construction Management/Staff	%	10%		\$ 388,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 970,000
SUBTOTAL COST					\$ 4,853,000
CONTINGENCY				20%	\$ 971,000
TOTAL PROJECT					\$ 5,824,000

* All unit prices reflect 2024 costs.

Name	F-5A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	830	\$527	\$ 437,000
2	Install 42" RCP	FT	610	\$588	\$ 359,000
3	Install 42" RCP	FT	1,330	\$588	\$ 782,000
4	Manhole	EA	7	\$20,322	\$ 142,000
5	Sawcut and Remove Existing AC Pavement	SF	17,270	\$2.66	\$ 46,000
6	Crushed Miscellaneous Base	SF	17,270	\$4	\$ 69,000
7	Replace Asphalt Concrete Pavement	SF	17,270	\$2	\$ 35,000
8	Traffic Control	%	5%		\$ 94,000
9	Erosion Control	%	1%		\$ 20,000
10	Mobilization/Demobilization	%	10%		\$ 198,000
SUBTOTAL (CONSTRUCTION)					\$ 2,182,000
	Engineering and Design	%	10%		\$ 218,000
	Surveying & Staking & Geotechnical	%	5%		\$ 109,000
	Construction Management/Staff	%	10%		\$ 218,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 545,000
SUBTOTAL COST					\$ 2,727,000
CONTINGENCY				20%	\$ 545,000
TOTAL PROJECT					\$ 3,272,000

* All unit prices reflect 2024 costs.

Name	F-6				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	630	\$527	\$ 332,000
2	Install 42" RCP	FT	1,650	\$588	\$ 970,000
3	Install 54" RCP	FT	1,250	\$732	\$ 915,000
4	Manhole	EA	9	\$20,322	\$ 183,000
5	Sawcut and Remove Existing AC Pavement	SF	21,760	\$2.66	\$ 58,000
6	Crushed Miscellaneous Base	SF	21,760	\$4	\$ 87,000
7	Replace Asphalt Concrete Pavement	SF	21,760	\$2	\$ 44,000
8	Traffic Control	%	5%		\$ 129,000
9	Erosion Control	%	1%		\$ 27,000
10	Mobilization/Demobilization	%	10%		\$ 275,000
SUBTOTAL (CONSTRUCTION)					\$ 3,020,000
	Engineering and Design	%	10%		\$ 302,000
	Surveying & Staking & Geotechnical	%	5%		\$ 151,000
	Construction Management/Staff	%	10%		\$ 302,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 755,000
SUBTOTAL COST					\$ 3,775,000
CONTINGENCY				20%	\$ 755,000
TOTAL PROJECT					\$ 4,530,000

* All unit prices reflect 2024 costs.

Name	G-0				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 54" RCP	FT	1,320	\$732	\$ 966,000
2	Install 120" RCP	FT	6,610	\$2,433	\$ 16,082,000
3	Manhole	EA	20	\$20,322	\$ 406,000
4	Sawcut and Remove Existing AC Pavement	SF	94,020	\$2.66	\$ 250,000
5	Crushed Miscellaneous Base	SF	94,020	\$4	\$ 376,000
6	Replace Asphalt Concrete Pavement	SF	94,020	\$2	\$ 188,000
7	Traffic Control	%	5%		\$ 913,000
8	Erosion Control	%	1%		\$ 192,000
9	Moblilization/Demobilization	%	10%		\$ 1,937,000
SUBTOTAL (CONSTRUCTION)					\$ 21,310,000
	Engineering and Design	%	10%		\$ 2,131,000
	Surveying & Staking & Geotechnical	%	5%		\$ 1,066,000
	Construction Management/Staff	%	10%		\$ 2,131,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 5,328,000
SUBTOTAL COST					\$ 26,638,000
CONTINGENCY					20% \$ 5,328,000
TOTAL PROJECT					\$ 31,966,000

* All unit prices reflect 2024 costs.

Name	G-1				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	650	\$527	\$ 343,000
2	Install 42" RCP	FT	1,500	\$588	\$ 882,000
3	Manhole	EA	5	\$20,322	\$ 102,000
4	Sawcut and Remove Existing AC Pavement	SF	12,280	\$2.66	\$ 33,000
5	Crushed Miscellaneous Base	SF	12,280	\$4	\$ 49,000
6	Replace Asphalt Concrete Pavement	SF	12,280	\$2	\$ 25,000
7	Traffic Control	%	5%		\$ 72,000
8	Erosion Control	%	1%		\$ 15,000
9	Moblilization/Demobilization	%	10%		\$ 152,000
SUBTOTAL (CONSTRUCTION)					\$ 1,673,000
	Engineering and Design	%	10%		\$ 167,000
	Surveying & Staking & Geotechnical	%	5%		\$ 84,000
	Construction Management/Staff	%	10%		\$ 167,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 418,000
SUBTOTAL COST					\$ 2,091,000
CONTINGENCY					20% \$ 418,000
TOTAL PROJECT					\$ 2,509,000

* All unit prices reflect 2024 costs.

Name	G-2				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	550	\$527	\$ 290,000
2	Install 54" RCP	FT	1,170	\$732	\$ 856,000
3	Install 66" RCP	FT	1,490	\$911	\$ 1,357,000
4	Manhole	EA	8	\$20,322	\$ 163,000
5	Sawcut and Remove Existing AC Pavement	SF	23,060	\$2.66	\$ 61,000
6	Crushed Miscellaneous Base	SF	23,060	\$4	\$ 92,000
7	Replace Asphalt Concrete Pavement	SF	23,060	\$2	\$ 46,000
8	Traffic Control	%	5%		\$ 143,000
9	Erosion Control	%	1%		\$ 30,000
10	Moblilization/Demobilization	%	10%		\$ 304,000
SUBTOTAL (CONSTRUCTION)					\$ 3,342,000
	Engineering and Design	%	10%		\$ 334,000
	Surveying & Staking & Geotechnical	%	5%		\$ 167,000
	Construction Management/Staff	%	10%		\$ 334,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 835,000
SUBTOTAL COST					\$ 4,177,000
CONTINGENCY +					25% \$ 1,044,000
TOTAL PROJECT					\$ 5,221,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to SCG transmisson line conflict

Name	G-2A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	530	\$527	\$ 279,000
2	Install 42" RCP	FT	1,320	\$588	\$ 776,000
3	Manhole	EA	5	\$20,322	\$ 102,000
4	Sawcut and Remove Existing AC Pavement	SF	10,590	\$2.66	\$ 28,000
5	Crushed Miscellaneous Base	SF	10,590	\$4	\$ 42,000
6	Replace Asphalt Concrete Pavement	SF	10,590	\$2	\$ 21,000
7	Traffic Control	%	5%		\$ 62,000
8	Erosion Control	%	1%		\$ 13,000
9	Moblilization/Demobilization	%	10%		\$ 132,000
SUBTOTAL (CONSTRUCTION)					\$ 1,455,000
	Engineering and Design	%	10%		\$ 146,000
	Surveying & Staking & Geotechnical	%	5%		\$ 73,000
	Construction Management/Staff	%	10%		\$ 146,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 365,000
SUBTOTAL COST					\$ 1,820,000
CONTINGENCY +				25%	\$ 455,000
TOTAL PROJECT					\$ 2,275,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to SCG transmisson line conflict

Name	G-3				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	670	\$527	\$ 353,000
2	Install 42" RCP	FT	1,490	\$588	\$ 876,000
3	Manhole	EA	5	\$20,322	\$ 102,000
4	Sawcut and Remove Existing AC Pavement	SF	12,330	\$2.66	\$ 33,000
5	Crushed Miscellaneous Base	SF	12,330	\$4	\$ 49,000
6	Replace Asphalt Concrete Pavement	SF	12,330	\$2	\$ 25,000
7	Traffic Control	%	5%		\$ 72,000
8	Erosion Control	%	1%		\$ 15,000
9	Moblilization/Demobilization	%	10%		\$ 153,000
SUBTOTAL (CONSTRUCTION)					\$ 1,678,000
	Engineering and Design	%	10%		\$ 168,000
	Surveying & Staking & Geotechnical	%	5%		\$ 84,000
	Construction Management/Staff	%	10%		\$ 168,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 420,000
SUBTOTAL COST					\$ 2,098,000
CONTINGENCY					20% \$ 420,000
TOTAL PROJECT					\$ 2,518,000

* All unit prices reflect 2024 costs.

Name	G-4				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	690	\$527	\$ 364,000
2	Install 54" RCP	FT	1,210	\$732	\$ 886,000
3	Install 66" RCP	FT	1,450	\$911	\$ 1,321,000
4	Manhole	EA	8	\$20,322	\$ 163,000
5	Sawcut and Remove Existing AC Pavement	SF	23,760	\$2.66	\$ 63,000
6	Crushed Miscellaneous Base	SF	23,760	\$4	\$ 95,000
7	Replace Asphalt Concrete Pavement	SF	23,760	\$2	\$ 48,000
8	Traffic Control	%	5%		\$ 147,000
9	Erosion Control	%	1%		\$ 31,000
10	Moblilization/Demobilization	%	10%		\$ 312,000
SUBTOTAL (CONSTRUCTION)					\$ 3,430,000
	Engineering and Design	%	10%		\$ 343,000
	Surveying & Staking & Geotechnical	%	5%		\$ 172,000
	Construction Management/Staff	%	10%		\$ 343,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 858,000
SUBTOTAL COST					\$ 4,288,000
CONTINGENCY +				25%	\$ 1,072,000
TOTAL PROJECT					\$ 5,360,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to SCG transmisson line conflict

Name	G-4A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	660	\$527	\$ 348,000
2	Install 42" RCP	FT	1,320	\$588	\$ 776,000
3	Manhole	EA	5	\$20,322	\$ 102,000
4	Sawcut and Remove Existing AC Pavement	SF	11,280	\$2.66	\$ 30,000
5	Crushed Miscellaneous Base	SF	11,280	\$4	\$ 45,000
6	Replace Asphalt Concrete Pavement	SF	11,280	\$2	\$ 23,000
7	Traffic Control	%	5%		\$ 66,000
8	Erosion Control	%	1%		\$ 14,000
9	Moblilization/Demobilization	%	10%		\$ 140,000
SUBTOTAL (CONSTRUCTION)					\$ 1,544,000
	Engineering and Design	%	10%		\$ 154,000
	Surveying & Staking & Geotechnical	%	5%		\$ 77,000
	Construction Management/Staff	%	10%		\$ 154,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 385,000
SUBTOTAL COST					\$ 1,929,000
CONTINGENCY +				25%	\$ 482,000
TOTAL PROJECT					\$ 2,411,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to SCG transmisson line conflict

Name	G-5				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	710	\$527	\$ 374,000
2	Install 42" RCP	FT	1,450	\$588	\$ 853,000
3	Manhole	EA	5	\$20,322	\$ 102,000
4	Sawcut and Remove Existing AC Pavement	SF	12,310	\$2.66	\$ 33,000
5	Crushed Miscellaneous Base	SF	12,310	\$4	\$ 49,000
6	Replace Asphalt Concrete Pavement	SF	12,310	\$2	\$ 25,000
7	Traffic Control	%	5%		\$ 72,000
8	Erosion Control	%	1%		\$ 15,000
9	Moblilization/Demobilization	%	10%		\$ 152,000
SUBTOTAL (CONSTRUCTION)					\$ 1,675,000
	Engineering and Design	%	10%		\$ 168,000
	Surveying & Staking & Geotechnical	%	5%		\$ 84,000
	Construction Management/Staff	%	10%		\$ 168,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 420,000
SUBTOTAL COST					\$ 2,095,000
CONTINGENCY					20% \$ 419,000
TOTAL PROJECT					\$ 2,514,000

* All unit prices reflect 2024 costs.

Name	G-6				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	810	\$527	\$ 427,000
2	Install 54" RCP	FT	1,220	\$732	\$ 893,000
3	Install 66" RCP	FT	1,440	\$911	\$ 1,312,000
4	Manhole	EA	9	\$20,322	\$ 183,000
5	Sawcut and Remove Existing AC Pavement	SF	23,050	\$2.66	\$ 61,000
6	Crushed Miscellaneous Base	SF	23,050	\$4	\$ 92,000
7	Replace Asphalt Concrete Pavement	SF	23,050	\$2	\$ 46,000
8	Traffic Control	%	5%		\$ 151,000
9	Erosion Control	%	1%		\$ 32,000
10	Moblilization/Demobilization	%	10%		\$ 320,000
SUBTOTAL (CONSTRUCTION)					\$ 3,517,000
	Engineering and Design	%	10%		\$ 352,000
	Surveying & Staking & Geotechnical	%	5%		\$ 176,000
	Construction Management/Staff	%	10%		\$ 352,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 880,000
SUBTOTAL COST					\$ 4,397,000
CONTINGENCY +				25%	\$ 1,099,000
TOTAL PROJECT					\$ 5,496,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to SCG transmisson line conflict

Name	G-6A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	680	\$527	\$ 358,000
2	Install 42" RCP	FT	1,320	\$588	\$ 776,000
3	Manhole	EA	5	\$20,322	\$ 102,000
4	Sawcut and Remove Existing AC Pavement	SF	11,390	\$2.66	\$ 30,000
5	Crushed Miscellaneous Base	SF	11,390	\$4	\$ 46,000
6	Replace Asphalt Concrete Pavement	SF	11,390	\$2	\$ 23,000
7	Traffic Control	%	5%		\$ 67,000
8	Erosion Control	%	1%		\$ 14,000
9	Moblilization/Demobilization	%	10%		\$ 142,000
SUBTOTAL (CONSTRUCTION)					\$ 1,558,000
	Engineering and Design	%	10%		\$ 156,000
	Surveying & Staking & Geotechnical	%	5%		\$ 78,000
	Construction Management/Staff	%	10%		\$ 156,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 390,000
SUBTOTAL COST					\$ 1,948,000
CONTINGENCY +				25%	\$ 487,000
TOTAL PROJECT					\$ 2,435,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to SCG transmisson line conflict

Name	G-7				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	780	\$527	\$ 411,000
2	Install 54" RCP	FT	1,200	\$732	\$ 878,000
3	Install 60" RCP	FT	1,460	\$816	\$ 1,191,000
4	Manhole	EA	9	\$20,322	\$ 183,000
5	Sawcut and Remove Existing AC Pavement	SF	23,460	\$2.66	\$ 62,000
6	Crushed Miscellaneous Base	SF	23,460	\$4	\$ 94,000
7	Replace Asphalt Concrete Pavement	SF	23,460	\$2	\$ 47,000
8	Traffic Control	%	5%		\$ 143,000
9	Erosion Control	%	1%		\$ 30,000
10	Moblilization/Demobilization	%	10%		\$ 304,000
SUBTOTAL (CONSTRUCTION)					\$ 3,343,000
	Engineering and Design	%	10%		\$ 334,000
	Surveying & Staking & Geotechnical	%	5%		\$ 167,000
	Construction Management/Staff	%	10%		\$ 334,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 835,000
SUBTOTAL COST					\$ 4,178,000
CONTINGENCY +				25%	\$ 1,045,000
TOTAL PROJECT					\$ 5,223,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to SCG transmisson line conflict

Name	H-0				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 72" RCP	FT	1,330	\$1,016	\$ 1,351,000
2	Install 78" RCP	FT	1,330	\$1,133	\$ 1,507,000
3	Install 84" RCP	FT	3,900	\$1,264	\$ 4,930,000
4	Manhole	EA	16	\$20,322	\$ 325,000
5	Remove 42" RCP	FT	420	\$62	\$ 26,000
6	Remove 66" RCP	FT	730	\$99	\$ 72,000
7	Remove 72" RCP	FT	3,170	\$108	\$ 342,000
8	Sawcut and Remove Existing AC Pavement	SF	61,260	\$2.66	\$ 163,000
9	Crushed Miscellaneous Base	SF	61,260	\$4	\$ 245,000
10	Replace Asphalt Concrete Pavement	SF	61,260	\$2	\$ 123,000
11	Traffic Control	%	5%		\$ 454,000
12	Erosion Control	%	1%		\$ 95,000
13	Moblilization/Demobilization	%	10%		\$ 963,000
SUBTOTAL (CONSTRUCTION)					\$ 10,596,000
	Engineering and Design	%	10%		\$ 1,060,000
	Surveying & Staking & Geotechnical	%	5%		\$ 530,000
	Construction Management/Staff	%	10%		\$ 1,060,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 2,650,000
SUBTOTAL COST					\$ 13,246,000
CONTINGENCY +				25%	\$ 3,312,000
TOTAL PROJECT					\$ 16,558,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	H-0A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 66" RCP	FT	690	\$911	\$ 629,000
2	Manhole	EA	2	\$20,322	\$ 41,000
3	Remove 36" RCP	FT	690	\$53	\$ 37,000
4	Sawcut and Remove Existing AC Pavement	SF	5,550	\$2.66	\$ 15,000
5	Crushed Miscellaneous Base	SF	5,550	\$4	\$ 22,000
6	Replace Asphalt Concrete Pavement	SF	5,550	\$2	\$ 11,000
7	Traffic Control	%	5%		\$ 38,000
8	Erosion Control	%	1%		\$ 8,000
9	Moblilization/Demobilization	%	10%		\$ 80,000
SUBTOTAL (CONSTRUCTION)					\$ 881,000
	Engineering and Design	%	10%		\$ 88,000
	Surveying & Staking & Geotechnical	%	5%		\$ 44,000
	Construction Management/Staff	%	10%		\$ 88,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 220,000
SUBTOTAL COST					\$ 1,101,000
CONTINGENCY +				25%	\$ 275,000
TOTAL PROJECT					\$ 1,376,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	J-1				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 78" RCP	FT	2,520	\$1,133	\$ 2,855,000
2	Manhole	EA	6	\$20,322	\$ 122,000
3	Sawcut and Remove Existing AC Pavement	SF	23,000	\$2.66	\$ 61,000
4	Crushed Miscellaneous Base	SF	23,000	\$4	\$ 92,000
5	Replace Asphalt Concrete Pavement	SF	23,000	\$2	\$ 46,000
6	Traffic Control	%	5%		\$ 159,000
7	Erosion Control	%	1%		\$ 33,000
8	Moblilization/Demobilization	%	10%		\$ 337,000
SUBTOTAL (CONSTRUCTION)					\$ 3,705,000
	Engineering and Design	%	10%		\$ 371,000
	Surveying & Staking & Geotechnical	%	5%		\$ 185,000
	Construction Management/Staff	%	10%		\$ 371,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 927,000
SUBTOTAL COST					\$ 4,632,000
CONTINGENCY				20%	\$ 926,000
TOTAL PROJECT					\$ 5,558,000

* All unit prices reflect 2024 costs.

Name	J-1A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	660	\$527	\$ 348,000
2	Install 42" RCP	FT	2,330	\$588	\$ 1,370,000
3	Manhole	EA	7	\$20,322	\$ 142,000
4	Sawcut and Remove Existing AC Pavement	SF	17,210	\$2.66	\$ 46,000
5	Crushed Miscellaneous Base	SF	17,210	\$4	\$ 69,000
6	Replace Asphalt Concrete Pavement	SF	17,210	\$2	\$ 34,000
7	Traffic Control	%	5%		\$ 100,000
8	Erosion Control	%	1%		\$ 21,000
9	Moblilization/Demobilization	%	10%		\$ 213,000
SUBTOTAL (CONSTRUCTION)					\$ 2,343,000
	Engineering and Design	%	10%		\$ 234,000
	Surveying & Staking & Geotechnical	%	5%		\$ 117,000
	Construction Management/Staff	%	10%		\$ 234,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 585,000
SUBTOTAL COST					\$ 2,928,000
CONTINGENCY +				25%	\$ 732,000
TOTAL PROJECT					\$ 3,660,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	J-1B				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	800	\$527	\$ 422,000
2	Install 42" RCP	FT	1,020	\$588	\$ 600,000
3	Install 54" RCP	FT	1,330	\$732	\$ 974,000
4	Manhole	EA	8	\$20,322	\$ 163,000
5	Sawcut and Remove Existing AC Pavement	SF	19,520	\$2.66	\$ 52,000
6	Crushed Miscellaneous Base	SF	19,520	\$4	\$ 78,000
7	Replace Asphalt Concrete Pavement	SF	19,520	\$2	\$ 39,000
8	Traffic Control	%	5%		\$ 116,000
9	Erosion Control	%	1%		\$ 24,000
10	Mobilization/Demobilization	%	10%		\$ 247,000
SUBTOTAL (CONSTRUCTION)					\$ 2,715,000
	Engineering and Design	%	10%		\$ 272,000
	Surveying & Staking & Geotechnical	%	5%		\$ 136,000
	Construction Management/Staff	%	10%		\$ 272,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 680,000
SUBTOTAL COST					\$ 3,395,000
CONTINGENCY				20%	\$ 679,000
TOTAL PROJECT					\$ 4,074,000

* All unit prices reflect 2024 costs.

Name	J-1C				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	660	\$527	\$ 348,000
2	Install 42" RCP	FT	1,160	\$588	\$ 682,000
3	Manhole	EA	5	\$20,322	\$ 102,000
4	Sawcut and Remove Existing AC Pavement	SF	10,340	\$2.66	\$ 28,000
5	Crushed Miscellaneous Base	SF	10,340	\$4	\$ 41,000
6	Replace Asphalt Concrete Pavement	SF	10,340	\$2	\$ 21,000
7	Traffic Control	%	5%		\$ 61,000
8	Erosion Control	%	1%		\$ 13,000
9	Moblilization/Demobilization	%	10%		\$ 130,000
SUBTOTAL (CONSTRUCTION)					\$ 1,426,000
	Engineering and Design	%	10%		\$ 143,000
	Surveying & Staking & Geotechnical	%	5%		\$ 71,000
	Construction Management/Staff	%	10%		\$ 143,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 357,000
SUBTOTAL COST					\$ 1,783,000
CONTINGENCY					20% \$ 357,000
TOTAL PROJECT					\$ 2,140,000

* All unit prices reflect 2024 costs.

Name	J-2				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 66" RCP	FT	3,570	\$911	\$ 3,252,000
2	Install 72" RCP	FT	560	\$1,016	\$ 569,000
3	Manhole	EA	10	\$20,322	\$ 203,000
4	Remove 24" RCP	FT	400	\$35	\$ 14,000
5	Remove 30" RCP	FT	340	\$44	\$ 15,000
6	Sawcut and Remove Existing AC Pavement	SF	33,520	\$2.66	\$ 89,000
7	Crushed Miscellaneous Base	SF	33,520	\$4	\$ 134,000
8	Replace Asphalt Concrete Pavement	SF	33,520	\$2	\$ 67,000
9	Traffic Control	%	5%		\$ 217,000
10	Erosion Control	%	1%		\$ 46,000
11	Mobilization/Demobilization	%	10%		\$ 461,000
SUBTOTAL (CONSTRUCTION)					\$ 5,067,000
	Engineering and Design	%	10%		\$ 507,000
	Surveying & Staking & Geotechnical	%	5%		\$ 253,000
	Construction Management/Staff	%	10%		\$ 507,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,267,000
SUBTOTAL COST					\$ 6,334,000
CONTINGENCY +				25%	\$ 1,584,000
TOTAL PROJECT					\$ 7,918,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	J-2A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	650	\$527	\$ 343,000
2	Install 42" RCP	FT	1,150	\$588	\$ 676,000
3	Install 60" RCP	FT	200	\$816	\$ 163,000
4	Manhole	EA	5	\$20,322	\$ 102,000
5	Sawcut and Remove Existing AC Pavement	SF	11,730	\$2.66	\$ 31,000
6	Crushed Miscellaneous Base	SF	11,730	\$4	\$ 47,000
7	Replace Asphalt Concrete Pavement	SF	11,730	\$2	\$ 23,000
8	Traffic Control	%	5%		\$ 69,000
9	Erosion Control	%	1%		\$ 15,000
10	Mobilization/Demobilization	%	10%		\$ 147,000
SUBTOTAL (CONSTRUCTION)					\$ 1,616,000
	Engineering and Design	%	10%		\$ 162,000
	Surveying & Staking & Geotechnical	%	5%		\$ 81,000
	Construction Management/Staff	%	10%		\$ 162,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 405,000
SUBTOTAL COST					\$ 2,021,000
CONTINGENCY				20%	\$ 404,000
TOTAL PROJECT					\$ 2,425,000

* All unit prices reflect 2024 costs.

Name	J-3				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 54" RCP	FT	1,320	\$732	\$ 966,000
2	Install 66" RCP	FT	1,310	\$911	\$ 1,193,000
3	Install 72" RCP	FT	930	\$1,016	\$ 945,000
4	Manhole	EA	9	\$20,322	\$ 183,000
5	Sawcut and Remove Existing AC Pavement	SF	27,670	\$2.66	\$ 74,000
6	Crushed Miscellaneous Base	SF	27,670	\$4	\$ 111,000
7	Replace Asphalt Concrete Pavement	SF	27,670	\$2	\$ 55,000
8	Traffic Control	%	5%		\$ 176,000
9	Erosion Control	%	1%		\$ 37,000
10	Moblilization/Demobilization	%	10%		\$ 374,000
SUBTOTAL (CONSTRUCTION)					\$ 4,114,000
	Engineering and Design	%	10%		\$ 411,000
	Surveying & Staking & Geotechnical	%	5%		\$ 206,000
	Construction Management/Staff	%	10%		\$ 411,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,028,000
SUBTOTAL COST					\$ 5,142,000
CONTINGENCY +				25%	\$ 1,286,000
TOTAL PROJECT					\$ 6,428,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	J-3A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	490	\$527	\$ 258,000
2	Install 42" RCP	FT	1,350	\$588	\$ 794,000
3	Manhole	EA	5	\$20,322	\$ 102,000
4	Sawcut and Remove Existing AC Pavement	SF	10,550	\$2.66	\$ 28,000
5	Crushed Miscellaneous Base	SF	10,550	\$4	\$ 42,000
6	Replace Asphalt Concrete Pavement	SF	10,550	\$2	\$ 21,000
7	Traffic Control	%	5%		\$ 62,000
8	Erosion Control	%	1%		\$ 13,000
9	Moblilization/Demobilization	%	10%		\$ 132,000
SUBTOTAL (CONSTRUCTION)					\$ 1,452,000
	Engineering and Design	%	10%		\$ 145,000
	Surveying & Staking & Geotechnical	%	5%		\$ 73,000
	Construction Management/Staff	%	10%		\$ 145,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 363,000
SUBTOTAL COST					\$ 1,815,000
CONTINGENCY				20%	\$ 363,000
TOTAL PROJECT					\$ 2,178,000

* All unit prices reflect 2024 costs.

Name	J-4				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 48" RCP	FT	1,140	\$656	\$ 748,000
2	Manhole	EA	3	\$20,322	\$ 61,000
3	Sawcut and Remove Existing AC Pavement	SF	7,320	\$2.66	\$ 19,000
4	Crushed Miscellaneous Base	SF	7,320	\$4	\$ 29,000
5	Replace Asphalt Concrete Pavement	SF	7,320	\$2	\$ 15,000
6	Traffic Control	%	5%		\$ 44,000
7	Erosion Control	%	1%		\$ 9,000
8	Moblilization/Demobilization	%	10%		\$ 93,000
SUBTOTAL (CONSTRUCTION)					\$ 1,018,000
	Engineering and Design	%	10%		\$ 102,000
	Surveying & Staking & Geotechnical	%	5%		\$ 51,000
	Construction Management/Staff	%	10%		\$ 102,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 255,000
SUBTOTAL COST					\$ 1,273,000
CONTINGENCY				20%	\$ 255,000
TOTAL PROJECT					\$ 1,528,000

* All unit prices reflect 2024 costs.

Name	J-4A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	580	\$527	\$ 306,000
2	Install 42" RCP	FT	1,330	\$588	\$ 782,000
3	Manhole	EA	5	\$20,322	\$ 102,000
4	Sawcut and Remove Existing AC Pavement	SF	10,910	\$2.66	\$ 29,000
5	Crushed Miscellaneous Base	SF	10,910	\$4	\$ 44,000
6	Replace Asphalt Concrete Pavement	SF	10,910	\$2	\$ 22,000
7	Traffic Control	%	5%		\$ 64,000
8	Erosion Control	%	1%		\$ 13,000
9	Moblilization/Demobilization	%	10%		\$ 136,000
SUBTOTAL (CONSTRUCTION)					\$ 1,498,000
	Engineering and Design	%	10%		\$ 150,000
	Surveying & Staking & Geotechnical	%	5%		\$ 75,000
	Construction Management/Staff	%	10%		\$ 150,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 375,000
SUBTOTAL COST					\$ 1,873,000
CONTINGENCY					20% \$ 375,000
TOTAL PROJECT					\$ 2,248,000

* All unit prices reflect 2024 costs.

Name	J-4B				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	600	\$527	\$ 316,000
2	Install 42" RCP	FT	1,320	\$588	\$ 776,000
3	Manhole	EA	5	\$20,322	\$ 102,000
4	Sawcut and Remove Existing AC Pavement	SF	10,960	\$2.66	\$ 29,000
5	Crushed Miscellaneous Base	SF	10,960	\$4	\$ 44,000
6	Replace Asphalt Concrete Pavement	SF	10,960	\$2	\$ 22,000
7	Traffic Control	%	5%		\$ 64,000
8	Erosion Control	%	1%		\$ 14,000
9	Moblilization/Demobilization	%	10%		\$ 137,000
SUBTOTAL (CONSTRUCTION)					\$ 1,504,000
	Engineering and Design	%	10%		\$ 150,000
	Surveying & Staking & Geotechnical	%	5%		\$ 75,000
	Construction Management/Staff	%	10%		\$ 150,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 375,000
SUBTOTAL COST					\$ 1,879,000
CONTINGENCY					20% \$ 376,000
TOTAL PROJECT					\$ 2,255,000

* All unit prices reflect 2024 costs.

Name	M-0				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 60" RCP	FT	1,700	\$816	\$ 1,387,000
2	Manhole	EA	4	\$20,322	\$ 81,000
3	Remove 42" RCP	FT	910	\$62	\$ 56,000
4	Remove 48" RCP	FT	650	\$71	\$ 46,000
5	Sawcut and Remove Existing AC Pavement	SF	12,750	\$2.66	\$ 34,000
6	Crushed Miscellaneous Base	SF	12,750	\$4	\$ 51,000
7	Replace Asphalt Concrete Pavement	SF	12,750	\$2	\$ 26,000
8	Traffic Control	%	5%		\$ 84,000
9	Erosion Control	%	1%		\$ 18,000
10	Mobilization/Demobilization	%	10%		\$ 178,000
SUBTOTAL (CONSTRUCTION)					\$ 1,961,000
	Engineering and Design	%	10%		\$ 196,000
	Surveying & Staking & Geotechnical	%	5%		\$ 98,000
	Construction Management/Staff	%	10%		\$ 196,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 490,000
SUBTOTAL COST					\$ 2,451,000
CONTINGENCY +					25% \$ 613,000
TOTAL PROJECT					\$ 3,064,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	M-1				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 60" RCP	FT	870	\$816	\$ 710,000
2	Install 6' x 4' RCB	FT	250	\$1,323	\$ 331,000
3	Manhole	EA	3	\$20,322	\$ 61,000
4	Remove 48" RCP	FT	840	\$71	\$ 60,000
5	Sawcut and Remove Existing AC Pavement	SF	8,680	\$2.66	\$ 23,000
6	Crushed Miscellaneous Base	SF	8,680	\$4	\$ 35,000
7	Replace Asphalt Concrete Pavement	SF	8,680	\$2	\$ 17,000
8	Traffic Control	%	5%		\$ 62,000
9	Erosion Control	%	1%		\$ 13,000
10	Moblilization/Demobilization	%	10%		\$ 131,000
SUBTOTAL (CONSTRUCTION)					\$ 1,443,000
	Engineering and Design	%	10%		\$ 144,000
	Surveying & Staking & Geotechnical	%	5%		\$ 72,000
	Construction Management/Staff	%	10%		\$ 144,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 360,000
SUBTOTAL COST					\$ 1,803,000
CONTINGENCY +				25%	\$ 451,000
TOTAL PROJECT					\$ 2,254,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	M-1A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	660	\$527	\$ 348,000
2	Install 42" RCP	FT	1,240	\$588	\$ 729,000
3	Manhole	EA	5	\$20,322	\$ 102,000
4	Sawcut and Remove Existing AC Pavement	SF	10,810	\$2.66	\$ 29,000
5	Crushed Miscellaneous Base	SF	10,810	\$4	\$ 43,000
6	Replace Asphalt Concrete Pavement	SF	10,810	\$2	\$ 22,000
7	Traffic Control	%	5%		\$ 64,000
8	Erosion Control	%	1%		\$ 13,000
9	Moblilization/Demobilization	%	10%		\$ 135,000
SUBTOTAL (CONSTRUCTION)					\$ 1,485,000
	Engineering and Design	%	10%		\$ 149,000
	Surveying & Staking & Geotechnical	%	5%		\$ 74,000
	Construction Management/Staff	%	10%		\$ 149,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 372,000
SUBTOTAL COST					\$ 1,857,000
CONTINGENCY				20%	\$ 371,000
TOTAL PROJECT					\$ 2,228,000

* All unit prices reflect 2024 costs.

Name	M-2				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 48" RCP	FT	1,090	\$656	\$ 715,000
2	Manhole	EA	3	\$20,322	\$ 61,000
3	Sawcut and Remove Existing AC Pavement	SF	7,000	\$2.66	\$ 19,000
4	Crushed Miscellaneous Base	SF	7,000	\$4	\$ 28,000
5	Replace Asphalt Concrete Pavement	SF	7,000	\$2	\$ 14,000
6	Traffic Control	%	5%		\$ 42,000
7	Erosion Control	%	1%		\$ 9,000
8	Moblilization/Demobilization	%	10%		\$ 89,000
SUBTOTAL (CONSTRUCTION)					\$ 977,000
	Engineering and Design	%	10%		\$ 98,000
	Surveying & Staking & Geotechnical	%	5%		\$ 49,000
	Construction Management/Staff	%	10%		\$ 98,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 245,000
SUBTOTAL COST					\$ 1,222,000
CONTINGENCY +				25%	\$ 306,000
TOTAL PROJECT					\$ 1,528,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	M-2A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	550	\$527	\$ 290,000
2	Install 42" RCP	FT	1,150	\$588	\$ 676,000
3	Manhole	EA	4	\$20,322	\$ 81,000
4	Sawcut and Remove Existing AC Pavement	SF	9,690	\$2.66	\$ 26,000
5	Crushed Miscellaneous Base	SF	9,690	\$4	\$ 39,000
6	Replace Asphalt Concrete Pavement	SF	9,690	\$2	\$ 19,000
7	Traffic Control	%	5%		\$ 57,000
8	Erosion Control	%	1%		\$ 12,000
9	Moblilization/Demobilization	%	10%		\$ 120,000
SUBTOTAL (CONSTRUCTION)					\$ 1,320,000
	Engineering and Design	%	10%		\$ 132,000
	Surveying & Staking & Geotechnical	%	5%		\$ 66,000
	Construction Management/Staff	%	10%		\$ 132,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 330,000
SUBTOTAL COST					\$ 1,650,000
CONTINGENCY				20%	\$ 330,000
TOTAL PROJECT					\$ 1,980,000

* All unit prices reflect 2024 costs.

Name	M-3				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 48" RCP	FT	1,150	\$656	\$ 754,000
2	Manhole	EA	3	\$20,322	\$ 61,000
3	Sawcut and Remove Existing AC Pavement	SF	7,380	\$2.66	\$ 20,000
4	Crushed Miscellaneous Base	SF	7,380	\$4	\$ 30,000
5	Replace Asphalt Concrete Pavement	SF	7,380	\$2	\$ 15,000
6	Traffic Control	%	5%		\$ 44,000
7	Erosion Control	%	1%		\$ 9,000
8	Moblilization/Demobilization	%	10%		\$ 93,000
SUBTOTAL (CONSTRUCTION)					\$ 1,026,000
	Engineering and Design	%	10%		\$ 103,000
	Surveying & Staking & Geotechnical	%	5%		\$ 51,000
	Construction Management/Staff	%	10%		\$ 103,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 257,000
SUBTOTAL COST					\$ 1,283,000
CONTINGENCY +				25%	\$ 321,000
TOTAL PROJECT					\$ 1,604,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	M-3A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	580	\$527	\$ 306,000
2	Install 42" RCP	FT	1,460	\$588	\$ 858,000
3	Manhole	EA	5	\$20,322	\$ 102,000
4	Sawcut and Remove Existing AC Pavement	SF	11,680	\$2.66	\$ 31,000
5	Crushed Miscellaneous Base	SF	11,680	\$4	\$ 47,000
6	Replace Asphalt Concrete Pavement	SF	11,680	\$2	\$ 23,000
7	Traffic Control	%	5%		\$ 68,000
8	Erosion Control	%	1%		\$ 14,000
9	Moblilization/Demobilization	%	10%		\$ 145,000
SUBTOTAL (CONSTRUCTION)					\$ 1,594,000
	Engineering and Design	%	10%		\$ 159,000
	Surveying & Staking & Geotechnical	%	5%		\$ 80,000
	Construction Management/Staff	%	10%		\$ 159,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 398,000
SUBTOTAL COST					\$ 1,992,000
CONTINGENCY +				25%	\$ 498,000
TOTAL PROJECT					\$ 2,490,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	M-4				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	700	\$527	\$ 369,000
2	Manhole	EA	2	\$20,322	\$ 41,000
3	Sawcut and Remove Existing AC Pavement	SF	3,740	\$2.66	\$ 10,000
4	Crushed Miscellaneous Base	SF	3,740	\$4	\$ 15,000
5	Replace Asphalt Concrete Pavement	SF	3,740	\$2	\$ 7,000
6	Traffic Control	%	5%		\$ 22,000
7	Erosion Control	%	1%		\$ 5,000
8	Moblilization/Demobilization	%	10%		\$ 47,000
SUBTOTAL (CONSTRUCTION)					\$ 516,000
	Engineering and Design	%	10%		\$ 51,600
	Surveying & Staking & Geotechnical	%	5%		\$ 26,000
	Construction Management/Staff	%	10%		\$ 52,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 129,600
SUBTOTAL COST					\$ 645,600
CONTINGENCY				20%	\$ 129,000
TOTAL PROJECT					\$ 774,600

* All unit prices reflect 2024 costs.

Name	M-5-A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install Double 14' x 6' RCB	FT	1,360	\$16,722	\$ 22,742,000
2	Manhole	EA	3	\$20,322	\$ 61,000
3	Sawcut and Remove Existing AC Pavement	SF	40,800	\$2.66	\$ 109,000
4	Crushed Miscellaneous Base	SF	40,800	\$4	\$ 163,000
5	Replace Asphalt Concrete Pavement	SF	40,800	\$2	\$ 82,000
6	Traffic Control	%	5%		\$ 1,158,000
7	Erosion Control	%	1%		\$ 243,000
8	Moblilization/Demobilization	%	10%		\$ 2,456,000
SUBTOTAL (CONSTRUCTION)					\$ 27,014,000
	Engineering and Design	%	10%		\$ 2,701,000
	Surveying & Staking & Geotechnical	%	5%		\$ 1,351,000
	Construction Management/Staff	%	10%		\$ 2,701,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 6,753,000
SUBTOTAL COST					\$ 33,767,000
CONTINGENCY +				25%	\$ 8,442,000
TOTAL PROJECT					\$ 42,209,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	M-5-B				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 14' x 8' RCB	FT	1,880	\$8,361	\$ 15,719,000
2	Install Double 14' x 6' RCB	FT	1,870	\$16,722	\$ 31,270,000
3	Manhole	EA	9	\$20,322	\$ 183,000
4	Sawcut and Remove Existing AC Pavement	SF	86,180	\$2.66	\$ 229,000
5	Crushed Miscellaneous Base	SF	86,180	\$4	\$ 345,000
6	Replace Asphalt Concrete Pavement	SF	86,180	\$2	\$ 172,000
7	Traffic Control	%	5%		\$ 2,396,000
8	Erosion Control	%	1%		\$ 503,000
9	Moblilization/Demobilization	%	10%		\$ 5,082,000
SUBTOTAL (CONSTRUCTION)					\$ 55,899,000
	Engineering and Design	%	10%		\$ 5,590,000
	Surveying & Staking & Geotechnical	%	5%		\$ 2,795,000
	Construction Management/Staff	%	10%		\$ 5,590,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 13,975,000
SUBTOTAL COST					\$ 69,874,000
CONTINGENCY +				25%	\$ 17,469,000
TOTAL PROJECT					\$ 87,343,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to 12' water main conflict

Name	M-5-C				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 96" RCP	FT	3,760	\$1,572	\$ 5,911,000
2	Manhole	EA	9	\$20,322	\$ 183,000
3	Sawcut and Remove Existing AC Pavement	SF	40,270	\$2.66	\$ 107,000
4	Crushed Miscellaneous Base	SF	40,270	\$4	\$ 161,000
5	Replace Asphalt Concrete Pavement	SF	40,270	\$2	\$ 81,000
6	Traffic Control	%	5%		\$ 322,000
7	Erosion Control	%	1%		\$ 68,000
8	Moblilization/Demobilization	%	10%		\$ 683,000
SUBTOTAL (CONSTRUCTION)					\$ 7,516,000
	Engineering and Design	%	10%		\$ 752,000
	Surveying & Staking & Geotechnical	%	5%		\$ 376,000
	Construction Management/Staff	%	10%		\$ 752,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,880,000
SUBTOTAL COST					\$ 9,396,000
CONTINGENCY				20%	\$ 1,879,000
TOTAL PROJECT					\$ 11,275,000

* All unit prices reflect 2024 costs.

Name	M-5-D				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	670	\$527	\$ 353,000
2	Install 42" RCP	FT	1,310	\$588	\$ 770,000
3	Install 54" RCP	FT	3,180	\$732	\$ 2,328,000
4	Install 60" RCP	FT	2,010	\$816	\$ 1,640,000
5	Manhole	EA	18	\$20,322	\$ 366,000
6	Sawcut and Remove Existing AC Pavement	SF	48,560	\$2.66	\$ 129,000
7	Crushed Miscellaneous Base	SF	48,560	\$4	\$ 194,000
8	Replace Asphalt Concrete Pavement	SF	48,560	\$2	\$ 97,000
9	Traffic Control	%	5%		\$ 294,000
10	Erosion Control	%	1%		\$ 62,000
11	Mobilization/Demobilization	%	10%		\$ 623,000
SUBTOTAL (CONSTRUCTION)					\$ 6,856,000
	Engineering and Design	%	10%		\$ 686,000
	Surveying & Staking & Geotechnical	%	5%		\$ 343,000
	Construction Management/Staff	%	10%		\$ 686,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,715,000
SUBTOTAL COST					\$ 8,571,000
CONTINGENCY +				25%	\$ 2,143,000
TOTAL PROJECT					\$ 10,714,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to SCG transmission line conflict

Name	M-5-E				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	700	\$527	\$ 369,000
2	Manhole	EA	2	\$20,322	\$ 41,000
3	Sawcut and Remove Existing AC Pavement	SF	3,740	\$2.66	\$ 10,000
4	Crushed Miscellaneous Base	SF	3,740	\$4	\$ 15,000
5	Replace Asphalt Concrete Pavement	SF	3,740	\$2	\$ 7,000
6	Traffic Control	%	5%		\$ 22,000
7	Erosion Control	%	1%		\$ 5,000
8	Moblilization/Demobilization	%	10%		\$ 47,000
SUBTOTAL (CONSTRUCTION)					\$ 516,000
	Engineering and Design	%	10%		\$ 51,600
	Surveying & Staking & Geotechnical	%	5%		\$ 26,000
	Construction Management/Staff	%	10%		\$ 52,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 129,600
SUBTOTAL COST					\$ 645,600
CONTINGENCY +				25%	\$ 161,000
TOTAL PROJECT					\$ 806,600

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to SCG transmisson line conflict

Name	M-5A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	460	\$527	\$ 242,000
2	Install 42" RCP	FT	1,400	\$588	\$ 823,000
3	Manhole	EA	5	\$20,322	\$ 102,000
4	Sawcut and Remove Existing AC Pavement	SF	10,680	\$2.66	\$ 28,000
5	Crushed Miscellaneous Base	SF	10,680	\$4	\$ 43,000
6	Replace Asphalt Concrete Pavement	SF	10,680	\$2	\$ 21,000
7	Traffic Control	%	5%		\$ 63,000
8	Erosion Control	%	1%		\$ 13,000
9	Moblilization/Demobilization	%	10%		\$ 134,000
SUBTOTAL (CONSTRUCTION)					\$ 1,469,000
	Engineering and Design	%	10%		\$ 147,000
	Surveying & Staking & Geotechnical	%	5%		\$ 73,000
	Construction Management/Staff	%	10%		\$ 147,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 367,000
SUBTOTAL COST					\$ 1,836,000
CONTINGENCY +				25%	\$ 459,000
TOTAL PROJECT					\$ 2,295,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to SCG transmisson line conflict

Name	M-5B				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 66" RCP	FT	1,330	\$911	\$ 1,212,000
2	Install 72" RCP	FT	4,130	\$1,016	\$ 4,196,000
3	Install 78" RCP	FT	1,330	\$1,133	\$ 1,507,000
4	Manhole	EA	17	\$20,322	\$ 345,000
5	Sawcut and Remove Existing AC Pavement	SF	58,000	\$2.66	\$ 154,000
6	Crushed Miscellaneous Base	SF	58,000	\$4	\$ 232,000
7	Replace Asphalt Concrete Pavement	SF	58,000	\$2	\$ 116,000
8	Traffic Control	%	5%		\$ 388,000
9	Erosion Control	%	1%		\$ 82,000
10	Mobilization/Demobilization	%	10%		\$ 823,000
SUBTOTAL (CONSTRUCTION)					\$ 9,055,000
	Engineering and Design	%	10%		\$ 906,000
	Surveying & Staking & Geotechnical	%	5%		\$ 453,000
	Construction Management/Staff	%	10%		\$ 906,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 2,265,000
SUBTOTAL COST					\$ 11,320,000
CONTINGENCY				20%	\$ 2,264,000
TOTAL PROJECT					\$ 13,584,000

* All unit prices reflect 2024 costs.

Name	M-5B-A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	340	\$527	\$ 179,000
2	Manhole	EA	1	\$20,322	\$ 20,000
3	Sawcut and Remove Existing AC Pavement	SF	1,820	\$2.66	\$ 5,000
4	Crushed Miscellaneous Base	SF	1,820	\$4	\$ 7,000
5	Replace Asphalt Concrete Pavement	SF	1,820	\$2	\$ 4,000
6	Traffic Control	%	5%		\$ 11,000
7	Erosion Control	%	1%		\$ 2,000
8	Moblilization/Demobilization	%	10%		\$ 23,000
SUBTOTAL (CONSTRUCTION)					\$ 251,000
	Engineering and Design	%	10%		\$ 25,100
	Surveying & Staking & Geotechnical	%	5%		\$ 13,000
	Construction Management/Staff	%	10%		\$ 25,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 63,100
SUBTOTAL COST					\$ 314,100
CONTINGENCY				20%	\$ 63,000
TOTAL PROJECT					\$ 377,100

* All unit prices reflect 2024 costs.

Name	M-5B-B				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	690	\$527	\$ 364,000
2	Install 42" RCP	FT	1,350	\$588	\$ 794,000
3	Manhole	EA	5	\$20,322	\$ 102,000
4	Sawcut and Remove Existing AC Pavement	SF	11,620	\$2.66	\$ 31,000
5	Crushed Miscellaneous Base	SF	11,620	\$4	\$ 46,000
6	Replace Asphalt Concrete Pavement	SF	11,620	\$2	\$ 23,000
7	Traffic Control	%	5%		\$ 68,000
8	Erosion Control	%	1%		\$ 14,000
9	Moblilization/Demobilization	%	10%		\$ 144,000
SUBTOTAL (CONSTRUCTION)					\$ 1,586,000
	Engineering and Design	%	10%		\$ 159,000
	Surveying & Staking & Geotechnical	%	5%		\$ 79,000
	Construction Management/Staff	%	10%		\$ 159,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 397,000
SUBTOTAL COST					\$ 1,983,000
CONTINGENCY					20% \$ 397,000
TOTAL PROJECT					\$ 2,380,000

* All unit prices reflect 2024 costs.

Name	M-5B-C				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	670	\$527	\$ 353,000
2	Install 42" RCP	FT	1,350	\$588	\$ 794,000
3	Manhole	EA	5	\$20,322	\$ 102,000
4	Sawcut and Remove Existing AC Pavement	SF	11,510	\$2.66	\$ 31,000
5	Crushed Miscellaneous Base	SF	11,510	\$4	\$ 46,000
6	Replace Asphalt Concrete Pavement	SF	11,510	\$2	\$ 23,000
7	Traffic Control	%	5%		\$ 67,000
8	Erosion Control	%	1%		\$ 14,000
9	Moblilization/Demobilization	%	10%		\$ 143,000
SUBTOTAL (CONSTRUCTION)					\$ 1,573,000
	Engineering and Design	%	10%		\$ 157,000
	Surveying & Staking & Geotechnical	%	5%		\$ 79,000
	Construction Management/Staff	%	10%		\$ 157,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 393,000
SUBTOTAL COST					\$ 1,966,000
CONTINGENCY					20% \$ 393,000
TOTAL PROJECT					\$ 2,359,000

* All unit prices reflect 2024 costs.

Name	M-5B-D	100			
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	730	\$527	\$ 385,000
2	Install 42" RCP	FT	1,330	\$588	\$ 782,000
3	Manhole	EA	5	\$20,322	\$ 102,000
4	Sawcut and Remove Existing AC Pavement	SF	11,710	\$2.66	\$ 31,000
5	Crushed Miscellaneous Base	SF	11,710	\$4	\$ 47,000
6	Replace Asphalt Concrete Pavement	SF	11,710	\$2	\$ 23,000
7	Traffic Control	%	5%		\$ 69,000
8	Erosion Control	%	1%		\$ 14,000
9	Moblilization/Demobilization	%	10%		\$ 145,000
SUBTOTAL (CONSTRUCTION)					\$ 1,598,000
	Engineering and Design	%	10%		\$ 160,000
	Surveying & Staking & Geotechnical	%	5%		\$ 80,000
	Construction Management/Staff	%	10%		\$ 160,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 400,000
SUBTOTAL COST					\$ 1,998,000
CONTINGENCY				20%	\$ 400,000
TOTAL PROJECT					\$ 2,398,000

* All unit prices reflect 2024 costs.

Name	M-5B-E				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	790	\$527	\$ 416,000
2	Install 42" RCP	FT	1,320	\$588	\$ 776,000
3	Install 48" RCP	FT	1,330	\$656	\$ 872,000
4	Manhole	EA	9	\$20,322	\$ 183,000
5	Sawcut and Remove Existing AC Pavement	SF	20,510	\$2.66	\$ 55,000
6	Crushed Miscellaneous Base	SF	20,510	\$4	\$ 82,000
7	Replace Asphalt Concrete Pavement	SF	20,510	\$2	\$ 41,000
8	Traffic Control	%	5%		\$ 121,000
9	Erosion Control	%	1%		\$ 25,000
10	Moblilization/Demobilization	%	10%		\$ 257,000
SUBTOTAL (CONSTRUCTION)					\$ 2,828,000
	Engineering and Design	%	10%		\$ 283,000
	Surveying & Staking & Geotechnical	%	5%		\$ 141,000
	Construction Management/Staff	%	10%		\$ 283,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 707,000
SUBTOTAL COST					\$ 3,535,000
CONTINGENCY +				25%	\$ 884,000
TOTAL PROJECT					\$ 4,419,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway and SCG transmisson line conflict

Name	M-5C				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	350	\$527	\$ 184,000
2	Install 42" RCP	FT	1,320	\$588	\$ 776,000
3	Install 48" RCP	FT	1,340	\$656	\$ 879,000
4	Manhole	EA	8	\$20,322	\$ 163,000
5	Sawcut and Remove Existing AC Pavement	SF	18,220	\$2.66	\$ 48,000
6	Crushed Miscellaneous Base	SF	18,220	\$4	\$ 73,000
7	Replace Asphalt Concrete Pavement	SF	18,220	\$2	\$ 36,000
8	Traffic Control	%	5%		\$ 108,000
9	Erosion Control	%	1%		\$ 23,000
10	Moblilization/Demobilization	%	10%		\$ 229,000
SUBTOTAL (CONSTRUCTION)					\$ 2,519,000
	Engineering and Design	%	10%		\$ 252,000
	Surveying & Staking & Geotechnical	%	5%		\$ 126,000
	Construction Management/Staff	%	10%		\$ 252,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 630,000
SUBTOTAL COST					\$ 3,149,000
CONTINGENCY +				25%	\$ 787,000
TOTAL PROJECT					\$ 3,936,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to SCG transmisson line conflict

Name	M-5D				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	810	\$527	\$ 427,000
2	Manhole	EA	2	\$20,322	\$ 41,000
3	Sawcut and Remove Existing AC Pavement	SF	4,320	\$2.66	\$ 11,000
4	Crushed Miscellaneous Base	SF	4,320	\$4	\$ 17,000
5	Replace Asphalt Concrete Pavement	SF	4,320	\$2	\$ 9,000
6	Traffic Control	%	5%		\$ 25,000
7	Erosion Control	%	1%		\$ 5,000
8	Moblilization/Demobilization	%	10%		\$ 54,000
SUBTOTAL (CONSTRUCTION)					\$ 589,000
	Engineering and Design	%	10%		\$ 58,900
	Surveying & Staking & Geotechnical	%	5%		\$ 29,000
	Construction Management/Staff	%	10%		\$ 59,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 146,900
SUBTOTAL COST					\$ 735,900
CONTINGENCY				20%	\$ 147,000
TOTAL PROJECT					\$ 882,900

* All unit prices reflect 2024 costs.

Name	M-5E				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 60" RCP	FT	1,320	\$816	\$ 1,077,000
2	Install 66" RCP	FT	1,330	\$911	\$ 1,212,000
3	Install 72" RCP	FT	5,480	\$1,016	\$ 5,568,000
4	Install 78" RCP	FT	5,480	\$1,133	\$ 6,209,000
5	Manhole	EA	34	\$20,322	\$ 691,000
6	Sawcut and Remove Existing AC Pavement	SF	110,270	\$2.66	\$ 293,000
7	Crushed Miscellaneous Base	SF	110,270	\$4	\$ 441,000
8	Replace Asphalt Concrete Pavement	SF	110,270	\$2	\$ 221,000
9	Traffic Control	%	5%		\$ 786,000
10	Erosion Control	%	1%		\$ 165,000
11	Moblilization/Demobilization	%	10%		\$ 1,666,000
SUBTOTAL (CONSTRUCTION)					\$ 18,329,000
	Engineering and Design	%	10%		\$ 1,833,000
	Surveying & Staking & Geotechnical	%	5%		\$ 916,000
	Construction Management/Staff	%	10%		\$ 1,833,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 4,582,000
SUBTOTAL COST					\$ 22,911,000
CONTINGENCY				20%	\$ 4,582,000
TOTAL PROJECT					\$ 27,493,000

* All unit prices reflect 2024 costs.

Name	M-5E-A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	520	\$527	\$ 274,000
2	Install 42" RCP	FT	820	\$588	\$ 482,000
3	Manhole	EA	3	\$20,322	\$ 61,000
4	Sawcut and Remove Existing AC Pavement	SF	7,600	\$2.66	\$ 20,000
5	Crushed Miscellaneous Base	SF	7,600	\$4	\$ 30,000
6	Replace Asphalt Concrete Pavement	SF	7,600	\$2	\$ 15,000
7	Traffic Control	%	5%		\$ 44,000
8	Erosion Control	%	1%		\$ 9,000
9	Moblilization/Demobilization	%	10%		\$ 94,000
SUBTOTAL (CONSTRUCTION)					\$ 1,029,000
	Engineering and Design	%	10%		\$ 103,000
	Surveying & Staking & Geotechnical	%	5%		\$ 51,000
	Construction Management/Staff	%	10%		\$ 103,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 257,000
SUBTOTAL COST					\$ 1,286,000
CONTINGENCY				20%	\$ 257,000
TOTAL PROJECT					\$ 1,543,000

* All unit prices reflect 2024 costs.

Name	M-5E-B				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	500	\$527	\$ 264,000
2	Install 42" RCP	FT	1,200	\$588	\$ 706,000
3	Manhole	EA	4	\$20,322	\$ 81,000
4	Sawcut and Remove Existing AC Pavement	SF	9,720	\$2.66	\$ 26,000
5	Crushed Miscellaneous Base	SF	9,720	\$4	\$ 39,000
6	Replace Asphalt Concrete Pavement	SF	9,720	\$2	\$ 19,000
7	Traffic Control	%	5%		\$ 57,000
8	Erosion Control	%	1%		\$ 12,000
9	Moblilization/Demobilization	%	10%		\$ 120,000
SUBTOTAL (CONSTRUCTION)					\$ 1,324,000
	Engineering and Design	%	10%		\$ 132,000
	Surveying & Staking & Geotechnical	%	5%		\$ 66,000
	Construction Management/Staff	%	10%		\$ 132,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 330,000
SUBTOTAL COST					\$ 1,654,000
CONTINGENCY				20%	\$ 331,000
TOTAL PROJECT					\$ 1,985,000

* All unit prices reflect 2024 costs.

Name	M-5E-C				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	490	\$527	\$ 258,000
2	Install 42" RCP	FT	1,180	\$588	\$ 694,000
3	Manhole	EA	4	\$20,322	\$ 81,000
4	Remove 36" RCP	FT	70	\$53	\$ 4,000
5	Sawcut and Remove Existing AC Pavement	SF	9,550	\$2.66	\$ 25,000
6	Crushed Miscellaneous Base	SF	9,550	\$4	\$ 38,000
7	Replace Asphalt Concrete Pavement	SF	9,550	\$2	\$ 19,000
8	Traffic Control	%	5%		\$ 56,000
9	Erosion Control	%	1%		\$ 12,000
10	Mobilization/Demobilization	%	10%		\$ 119,000
SUBTOTAL (CONSTRUCTION)					\$ 1,306,000
	Engineering and Design	%	10%		\$ 131,000
	Surveying & Staking & Geotechnical	%	5%		\$ 65,000
	Construction Management/Staff	%	10%		\$ 131,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 327,000
SUBTOTAL COST					\$ 1,633,000
CONTINGENCY				20%	\$ 327,000
TOTAL PROJECT					\$ 1,960,000

* All unit prices reflect 2024 costs.

Name	M-5E-D				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	590	\$527	\$ 311,000
2	Install 42" RCP	FT	1,070	\$588	\$ 629,000
3	Manhole	EA	4	\$20,322	\$ 81,000
4	Sawcut and Remove Existing AC Pavement	SF	9,440	\$2.66	\$ 25,000
5	Crushed Miscellaneous Base	SF	9,440	\$4	\$ 38,000
6	Replace Asphalt Concrete Pavement	SF	9,440	\$2	\$ 19,000
7	Traffic Control	%	5%		\$ 55,000
8	Erosion Control	%	1%		\$ 12,000
9	Moblilization/Demobilization	%	10%		\$ 117,000
SUBTOTAL (CONSTRUCTION)					\$ 1,287,000
	Engineering and Design	%	10%		\$ 129,000
	Surveying & Staking & Geotechnical	%	5%		\$ 64,000
	Construction Management/Staff	%	10%		\$ 129,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 322,000
SUBTOTAL COST					\$ 1,609,000
CONTINGENCY					20% \$ 322,000
TOTAL PROJECT					\$ 1,931,000

* All unit prices reflect 2024 costs.

Name	M-5E-E				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	640	\$527	\$ 337,000
2	Install 42" RCP	FT	1,030	\$588	\$ 606,000
3	Manhole	EA	4	\$20,322	\$ 81,000
4	Sawcut and Remove Existing AC Pavement	SF	9,470	\$2.66	\$ 25,000
5	Crushed Miscellaneous Base	SF	9,470	\$4	\$ 38,000
6	Replace Asphalt Concrete Pavement	SF	9,470	\$2	\$ 19,000
7	Traffic Control	%	5%		\$ 55,000
8	Erosion Control	%	1%		\$ 12,000
9	Moblilization/Demobilization	%	10%		\$ 117,000
SUBTOTAL (CONSTRUCTION)					\$ 1,290,000
	Engineering and Design	%	10%		\$ 129,000
	Surveying & Staking & Geotechnical	%	5%		\$ 65,000
	Construction Management/Staff	%	10%		\$ 129,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 323,000
SUBTOTAL COST					\$ 1,613,000
CONTINGENCY				20%	\$ 323,000
TOTAL PROJECT					\$ 1,936,000

* All unit prices reflect 2024 costs.

Name	M-5E-F				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	650	\$527	\$ 343,000
2	Install 42" RCP	FT	1,000	\$588	\$ 588,000
3	Manhole	EA	4	\$20,322	\$ 81,000
4	Sawcut and Remove Existing AC Pavement	SF	9,350	\$2.66	\$ 25,000
5	Crushed Miscellaneous Base	SF	9,350	\$4	\$ 37,000
6	Replace Asphalt Concrete Pavement	SF	9,350	\$2	\$ 19,000
7	Traffic Control	%	5%		\$ 55,000
8	Erosion Control	%	1%		\$ 11,000
9	Moblilization/Demobilization	%	10%		\$ 116,000
SUBTOTAL (CONSTRUCTION)					\$ 1,275,000
	Engineering and Design	%	10%		\$ 128,000
	Surveying & Staking & Geotechnical	%	5%		\$ 64,000
	Construction Management/Staff	%	10%		\$ 128,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 320,000
SUBTOTAL COST					\$ 1,595,000
CONTINGENCY				20%	\$ 319,000
TOTAL PROJECT					\$ 1,914,000

* All unit prices reflect 2024 costs.

Name	M-5F				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	350	\$527	\$ 184,000
2	Install 42" RCP	FT	1,320	\$588	\$ 776,000
3	Install 48" RCP	FT	1,350	\$656	\$ 886,000
4	Install 60" RCP	FT	1,140	\$816	\$ 930,000
5	Install 66" RCP	FT	1,520	\$911	\$ 1,385,000
6	Manhole	EA	14	\$20,322	\$ 285,000
7	Sawcut and Remove Existing AC Pavement	SF	39,320	\$2.66	\$ 105,000
8	Crushed Miscellaneous Base	SF	39,320	\$4	\$ 157,000
9	Replace Asphalt Concrete Pavement	SF	39,320	\$2	\$ 79,000
10	Traffic Control	%	5%		\$ 239,000
11	Erosion Control	%	1%		\$ 50,000
12	Moblilization/Demobilization	%	10%		\$ 508,000
SUBTOTAL (CONSTRUCTION)					\$ 5,584,000
	Engineering and Design	%	10%		\$ 558,000
	Surveying & Staking & Geotechnical	%	5%		\$ 279,000
	Construction Management/Staff	%	10%		\$ 558,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,395,000
SUBTOTAL COST					\$ 6,979,000
CONTINGENCY +				25%	\$ 1,745,000
TOTAL PROJECT					\$ 8,724,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to SCG transmisson line conflict

Name	M-5F-A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	360	\$527	\$ 190,000
2	Install 42" RCP	FT	1,330	\$588	\$ 782,000
3	Install 48" RCP	FT	1,320	\$656	\$ 866,000
4	Install 54" RCP	FT	1,330	\$732	\$ 974,000
5	Manhole	EA	11	\$20,322	\$ 224,000
6	Sawcut and Remove Existing AC Pavement	SF	27,460	\$2.66	\$ 73,000
7	Crushed Miscellaneous Base	SF	27,460	\$4	\$ 110,000
8	Replace Asphalt Concrete Pavement	SF	27,460	\$2	\$ 55,000
9	Traffic Control	%	5%		\$ 164,000
10	Erosion Control	%	1%		\$ 34,000
11	Mobilization/Demobilization	%	10%		\$ 347,000
SUBTOTAL (CONSTRUCTION)					\$ 3,819,000
	Engineering and Design	%	10%		\$ 382,000
	Surveying & Staking & Geotechnical	%	5%		\$ 191,000
	Construction Management/Staff	%	10%		\$ 382,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 955,000
SUBTOTAL COST					\$ 4,774,000
CONTINGENCY +				25%	\$ 1,194,000
TOTAL PROJECT					\$ 5,968,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to SCG transmission line conflict

Name	M-5G				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 54" RCP	FT	1,340	\$732	\$ 981,000
2	Install 66" RCP	FT	2,650	\$911	\$ 2,414,000
3	Manhole	EA	10	\$20,322	\$ 203,000
4	Sawcut and Remove Existing AC Pavement	SF	30,530	\$2.66	\$ 81,000
5	Crushed Miscellaneous Base	SF	30,530	\$4	\$ 122,000
6	Replace Asphalt Concrete Pavement	SF	30,530	\$2	\$ 61,000
7	Traffic Control	%	5%		\$ 193,000
8	Erosion Control	%	1%		\$ 41,000
9	Moblilization/Demobilization	%	10%		\$ 410,000
SUBTOTAL (CONSTRUCTION)					\$ 4,506,000
	Engineering and Design	%	10%		\$ 451,000
	Surveying & Staking & Geotechnical	%	5%		\$ 225,000
	Construction Management/Staff	%	10%		\$ 451,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,127,000
SUBTOTAL COST					\$ 5,633,000
CONTINGENCY +				25%	\$ 1,408,000
TOTAL PROJECT					\$ 7,041,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway and 12' water main conflict

Name	M-5G-A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 42" RCP	FT	1,150	\$588	\$ 676,000
2	Manhole	EA	3	\$20,322	\$ 61,000
3	Sawcut and Remove Existing AC Pavement	SF	6,760	\$2.66	\$ 18,000
4	Crushed Miscellaneous Base	SF	6,760	\$4	\$ 27,000
5	Replace Asphalt Concrete Pavement	SF	6,760	\$2	\$ 14,000
6	Traffic Control	%	5%		\$ 40,000
7	Erosion Control	%	1%		\$ 8,000
8	Moblilization/Demobilization	%	10%		\$ 84,000
SUBTOTAL (CONSTRUCTION)					\$ 928,000
	Engineering and Design	%	10%		\$ 93,000
	Surveying & Staking & Geotechnical	%	5%		\$ 46,000
	Construction Management/Staff	%	10%		\$ 93,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 232,000
SUBTOTAL COST					\$ 1,160,000
CONTINGENCY +					25% \$ 290,000
TOTAL PROJECT					\$ 1,450,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	M-5G-B				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	1,310	\$527	\$ 690,000
2	Install 42" RCP	FT	750	\$588	\$ 441,000
3	Manhole	EA	5	\$20,322	\$ 102,000
4	Sawcut and Remove Existing AC Pavement	SF	11,400	\$2.66	\$ 30,000
5	Crushed Miscellaneous Base	SF	11,400	\$4	\$ 46,000
6	Replace Asphalt Concrete Pavement	SF	11,400	\$2	\$ 23,000
7	Traffic Control	%	5%		\$ 67,000
8	Erosion Control	%	1%		\$ 14,000
9	Moblilization/Demobilization	%	10%		\$ 141,000
SUBTOTAL (CONSTRUCTION)					\$ 1,554,000
	Engineering and Design	%	10%		\$ 155,000
	Surveying & Staking & Geotechnical	%	5%		\$ 78,000
	Construction Management/Staff	%	10%		\$ 155,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 388,000
SUBTOTAL COST					\$ 1,942,000
CONTINGENCY +				25%	\$ 486,000
TOTAL PROJECT					\$ 2,428,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	M-5G-C				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	730	\$527	\$ 385,000
2	Install 42" RCP	FT	1,310	\$588	\$ 770,000
3	Manhole	EA	5	\$20,322	\$ 102,000
4	Sawcut and Remove Existing AC Pavement	SF	11,590	\$2.66	\$ 31,000
5	Crushed Miscellaneous Base	SF	11,590	\$4	\$ 46,000
6	Replace Asphalt Concrete Pavement	SF	11,590	\$2	\$ 23,000
7	Traffic Control	%	5%		\$ 68,000
8	Erosion Control	%	1%		\$ 14,000
9	Moblilization/Demobilization	%	10%		\$ 144,000
SUBTOTAL (CONSTRUCTION)					\$ 1,583,000
	Engineering and Design	%	10%		\$ 158,000
	Surveying & Staking & Geotechnical	%	5%		\$ 79,000
	Construction Management/Staff	%	10%		\$ 158,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 395,000
SUBTOTAL COST					\$ 1,978,000
CONTINGENCY +				25%	\$ 495,000
TOTAL PROJECT					\$ 2,473,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	M-5H				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	350	\$527	\$ 184,000
2	Install 42" RCP	FT	1,320	\$588	\$ 776,000
3	Install 48" RCP	FT	1,340	\$656	\$ 879,000
4	Install 54" RCP	FT	1,150	\$732	\$ 842,000
5	Install 72" RCP	FT	2,830	\$1,016	\$ 2,875,000
6	Manhole	EA	17	\$20,322	\$ 345,000
7	Sawcut and Remove Existing AC Pavement	SF	50,520	\$2.66	\$ 134,000
8	Crushed Miscellaneous Base	SF	50,520	\$4	\$ 202,000
9	Replace Asphalt Concrete Pavement	SF	50,520	\$2	\$ 101,000
10	Traffic Control	%	5%		\$ 317,000
11	Erosion Control	%	1%		\$ 67,000
12	Moblilization/Demobilization	%	10%		\$ 672,000
SUBTOTAL (CONSTRUCTION)					\$ 7,394,000
	Engineering and Design	%	10%		\$ 739,000
	Surveying & Staking & Geotechnical	%	5%		\$ 370,000
	Construction Management/Staff	%	10%		\$ 739,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,848,000
SUBTOTAL COST					\$ 9,242,000
CONTINGENCY +				25%	\$ 2,311,000
TOTAL PROJECT					\$ 11,553,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to SCG transmisson line conflict

Name	M-6A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 72" RCP	FT	2,630	\$1,016	\$ 2,672,000
2	Install 78" RCP	FT	1,380	\$1,133	\$ 1,564,000
3	Manhole	EA	10	\$20,322	\$ 203,000
4	Sawcut and Remove Existing AC Pavement	SF	35,170	\$2.66	\$ 94,000
5	Crushed Miscellaneous Base	SF	35,170	\$4	\$ 141,000
6	Replace Asphalt Concrete Pavement	SF	35,170	\$2	\$ 70,000
7	Traffic Control	%	5%		\$ 237,000
8	Erosion Control	%	1%		\$ 50,000
9	Moblilization/Demobilization	%	10%		\$ 503,000
SUBTOTAL (CONSTRUCTION)					\$ 5,534,000
	Engineering and Design	%	10%		\$ 553,000
	Surveying & Staking & Geotechnical	%	5%		\$ 277,000
	Construction Management/Staff	%	10%		\$ 553,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,383,000
SUBTOTAL COST					\$ 6,917,000
CONTINGENCY					20% \$ 1,383,000
TOTAL PROJECT					\$ 8,300,000

* All unit prices reflect 2024 costs.

Name	M-6B				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	340	\$527	\$ 179,000
2	Install 42" RCP	FT	1,370	\$588	\$ 806,000
3	Install 48" RCP	FT	1,290	\$656	\$ 846,000
4	Install 66" RCP	FT	2,650	\$911	\$ 2,414,000
5	Manhole	EA	14	\$20,322	\$ 285,000
6	Sawcut and Remove Existing AC Pavement	SF	40,890	\$2.66	\$ 109,000
7	Crushed Miscellaneous Base	SF	40,890	\$4	\$ 164,000
8	Replace Asphalt Concrete Pavement	SF	40,890	\$2	\$ 82,000
9	Traffic Control	%	5%		\$ 244,000
10	Erosion Control	%	1%		\$ 51,000
11	Mobilization/Demobilization	%	10%		\$ 518,000
SUBTOTAL (CONSTRUCTION)					\$ 5,698,000
	Engineering and Design	%	10%		\$ 570,000
	Surveying & Staking & Geotechnical	%	5%		\$ 285,000
	Construction Management/Staff	%	10%		\$ 570,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,425,000
SUBTOTAL COST					\$ 7,123,000
CONTINGENCY +				25%	\$ 1,781,000
TOTAL PROJECT					\$ 8,904,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to 12' water main and SCG transmission line conflict

Name	M-6C				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	320	\$527	\$ 169,000
2	Install 42" RCP	FT	1,650	\$588	\$ 970,000
3	Install 48" RCP	FT	1,310	\$656	\$ 859,000
4	Manhole	EA	8	\$20,322	\$ 163,000
5	Sawcut and Remove Existing AC Pavement	SF	19,810	\$2.66	\$ 53,000
6	Crushed Miscellaneous Base	SF	19,810	\$4	\$ 79,000
7	Replace Asphalt Concrete Pavement	SF	19,810	\$2	\$ 40,000
8	Traffic Control	%	5%		\$ 117,000
9	Erosion Control	%	1%		\$ 25,000
10	Mobilization/Demobilization	%	10%		\$ 248,000
SUBTOTAL (CONSTRUCTION)					\$ 2,723,000
	Engineering and Design	%	10%		\$ 272,000
	Surveying & Staking & Geotechnical	%	5%		\$ 136,000
	Construction Management/Staff	%	10%		\$ 272,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 680,000
SUBTOTAL COST					\$ 3,403,000
CONTINGENCY +				25%	\$ 851,000
TOTAL PROJECT					\$ 4,254,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to 12' water main conflict

Name	M-6D				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	340	\$527	\$ 179,000
2	Install 42" RCP	FT	1,380	\$588	\$ 811,000
3	Install 48" RCP	FT	1,280	\$656	\$ 840,000
4	Install 54" RCP	FT	1,380	\$732	\$ 1,010,000
5	Manhole	EA	11	\$20,322	\$ 224,000
6	Sawcut and Remove Existing AC Pavement	SF	27,740	\$2.66	\$ 74,000
7	Crushed Miscellaneous Base	SF	27,740	\$4	\$ 111,000
8	Replace Asphalt Concrete Pavement	SF	27,740	\$2	\$ 55,000
9	Traffic Control	%	5%		\$ 165,000
10	Erosion Control	%	1%		\$ 35,000
11	Mobilization/Demobilization	%	10%		\$ 350,000
SUBTOTAL (CONSTRUCTION)					\$ 3,854,000
	Engineering and Design	%	10%		\$ 385,000
	Surveying & Staking & Geotechnical	%	5%		\$ 193,000
	Construction Management/Staff	%	10%		\$ 385,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 963,000
SUBTOTAL COST					\$ 4,817,000
CONTINGENCY +				25%	\$ 1,204,000
TOTAL PROJECT					\$ 6,021,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to SCG transmission line conflict

Name	M-7A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 84" RCP	FT	2,680	\$1,264	\$ 3,388,000
2	Install 96" RCP	FT	1,250	\$1,572	\$ 1,965,000
3	Manhole	EA	10	\$20,322	\$ 203,000
4	Sawcut and Remove Existing AC Pavement	SF	39,350	\$2.66	\$ 105,000
5	Crushed Miscellaneous Base	SF	39,350	\$4	\$ 157,000
6	Replace Asphalt Concrete Pavement	SF	39,350	\$2	\$ 79,000
7	Traffic Control	%	5%		\$ 295,000
8	Erosion Control	%	1%		\$ 62,000
9	Moblilization/Demobilization	%	10%		\$ 625,000
SUBTOTAL (CONSTRUCTION)					\$ 6,879,000
	Engineering and Design	%	10%		\$ 688,000
	Surveying & Staking & Geotechnical	%	5%		\$ 344,000
	Construction Management/Staff	%	10%		\$ 688,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,720,000
SUBTOTAL COST					\$ 8,599,000
CONTINGENCY +				25%	\$ 2,150,000
TOTAL PROJECT					\$ 10,749,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	M-7B				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	400	\$527	\$ 211,000
2	Install 42" RCP	FT	1,320	\$588	\$ 776,000
3	Install 48" RCP	FT	1,340	\$656	\$ 879,000
4	Install 72" RCP	FT	2,660	\$1,016	\$ 2,703,000
5	Manhole	EA	14	\$20,322	\$ 285,000
6	Sawcut and Remove Existing AC Pavement	SF	41,320	\$2.66	\$ 110,000
7	Crushed Miscellaneous Base	SF	41,320	\$4	\$ 165,000
8	Replace Asphalt Concrete Pavement	SF	41,320	\$2	\$ 83,000
9	Traffic Control	%	5%		\$ 261,000
10	Erosion Control	%	1%		\$ 55,000
11	Mobilization/Demobilization	%	10%		\$ 553,000
SUBTOTAL (CONSTRUCTION)					\$ 6,081,000
	Engineering and Design	%	10%		\$ 608,000
	Surveying & Staking & Geotechnical	%	5%		\$ 304,000
	Construction Management/Staff	%	10%		\$ 608,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,520,000
SUBTOTAL COST					\$ 7,601,000
CONTINGENCY +				25%	\$ 1,900,000
TOTAL PROJECT					\$ 9,501,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway, 12' water main conflict, and SCG transmission line conflict

Name	M-7C				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	640	\$527	\$ 337,000
2	Install 42" RCP	FT	1,380	\$588	\$ 811,000
3	Install 54" RCP	FT	1,370	\$732	\$ 1,003,000
4	Manhole	EA	8	\$20,322	\$ 163,000
5	Sawcut and Remove Existing AC Pavement	SF	21,060	\$2.66	\$ 56,000
6	Crushed Miscellaneous Base	SF	21,060	\$4	\$ 84,000
7	Replace Asphalt Concrete Pavement	SF	21,060	\$2	\$ 42,000
8	Traffic Control	%	5%		\$ 125,000
9	Erosion Control	%	1%		\$ 26,000
10	Moblilization/Demobilization	%	10%		\$ 265,000
SUBTOTAL (CONSTRUCTION)					\$ 2,912,000
	Engineering and Design	%	10%		\$ 291,000
	Surveying & Staking & Geotechnical	%	5%		\$ 146,000
	Construction Management/Staff	%	10%		\$ 291,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 728,000
SUBTOTAL COST					\$ 3,640,000
CONTINGENCY +				25%	\$ 910,000
TOTAL PROJECT					\$ 4,550,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	M-7D				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	660	\$527	\$ 348,000
2	Install 42" RCP	FT	1,450	\$588	\$ 853,000
3	Install 54" RCP	FT	1,400	\$732	\$ 1,025,000
4	Manhole	EA	9	\$20,322	\$ 183,000
5	Sawcut and Remove Existing AC Pavement	SF	21,790	\$2.66	\$ 58,000
6	Crushed Miscellaneous Base	SF	21,790	\$4	\$ 87,000
7	Replace Asphalt Concrete Pavement	SF	21,790	\$2	\$ 44,000
8	Traffic Control	%	5%		\$ 130,000
9	Erosion Control	%	1%		\$ 27,000
10	Moblilization/Demobilization	%	10%		\$ 276,000
SUBTOTAL (CONSTRUCTION)					\$ 3,031,000
	Engineering and Design	%	10%		\$ 303,000
	Surveying & Staking & Geotechnical	%	5%		\$ 152,000
	Construction Management/Staff	%	10%		\$ 303,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 758,000
SUBTOTAL COST					\$ 3,789,000
CONTINGENCY +				25%	\$ 947,000
TOTAL PROJECT					\$ 4,736,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to 12' water main conflict

Name	M-7E				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	340	\$527	\$ 179,000
2	Install 42" RCP	FT	1,320	\$588	\$ 776,000
3	Install 48" RCP	FT	1,350	\$656	\$ 886,000
4	Install 54" RCP	FT	1,400	\$732	\$ 1,025,000
5	Manhole	EA	11	\$20,322	\$ 224,000
6	Sawcut and Remove Existing AC Pavement	SF	27,980	\$2.66	\$ 74,000
7	Crushed Miscellaneous Base	SF	27,980	\$4	\$ 112,000
8	Replace Asphalt Concrete Pavement	SF	27,980	\$2	\$ 56,000
9	Traffic Control	%	5%		\$ 167,000
10	Erosion Control	%	1%		\$ 35,000
11	Mobilization/Demobilization	%	10%		\$ 353,000
SUBTOTAL (CONSTRUCTION)					\$ 3,887,000
	Engineering and Design	%	10%		\$ 389,000
	Surveying & Staking & Geotechnical	%	5%		\$ 194,000
	Construction Management/Staff	%	10%		\$ 389,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 972,000
SUBTOTAL COST					\$ 4,859,000
CONTINGENCY +				25%	\$ 1,215,000
TOTAL PROJECT					\$ 6,074,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to 12' water main conflict and SCG transmission line conflict

Name	SS-0				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 54" RCP	FT	1,090	\$732	\$ 798,000
2	Install 60" RCP	FT	200	\$816	\$ 163,000
3	Manhole	EA	3	\$20,322	\$ 61,000
4	Sawcut and Remove Existing AC Pavement	SF	9,090	\$2.66	\$ 24,000
5	Crushed Miscellaneous Base	SF	9,090	\$4	\$ 36,000
6	Replace Asphalt Concrete Pavement	SF	9,090	\$2	\$ 18,000
7	Traffic Control	%	5%		\$ 55,000
8	Erosion Control	%	1%		\$ 12,000
9	Moblilization/Demobilization	%	10%		\$ 117,000
SUBTOTAL (CONSTRUCTION)					\$ 1,284,000
	Engineering and Design	%	10%		\$ 128,000
	Surveying & Staking & Geotechnical	%	5%		\$ 64,000
	Construction Management/Staff	%	10%		\$ 128,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 320,000
SUBTOTAL COST					\$ 3,208,000
CONTINGENCY				20%	\$ 642,000
TOTAL PROJECT					\$ 3,850,000

* All unit prices reflect 2024 costs.

Name	SS-0A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 42" RCP	FT	1,180	\$588	\$ 694,000
2	Install 48" RCP	FT	1,670	\$656	\$ 1,096,000
3	Manhole	EA	7	\$20,322	\$ 142,000
4	Sawcut and Remove Existing AC Pavement	SF	17,650	\$2.66	\$ 47,000
5	Crushed Miscellaneous Base	SF	17,650	\$4	\$ 71,000
6	Replace Asphalt Concrete Pavement	SF	17,650	\$2	\$ 35,000
7	Traffic Control	%	5%		\$ 104,000
8	Erosion Control	%	1%		\$ 22,000
9	Moblilization/Demobilization	%	10%		\$ 221,000
SUBTOTAL (CONSTRUCTION)					\$ 2,432,000
	Engineering and Design	%	10%		\$ 243,000
	Surveying & Staking & Geotechnical	%	5%		\$ 122,000
	Construction Management/Staff	%	10%		\$ 243,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 608,000
SUBTOTAL COST					\$ 3,040,000
CONTINGENCY +				25%	\$ 760,000
TOTAL PROJECT					\$ 3,800,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to SCG transmisson line conflict

Name	SS-0B				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	500	\$527	\$ 264,000
2	Install 42" RCP	FT	1,200	\$588	\$ 706,000
3	Install 48" RCP	FT	1,660	\$656	\$ 1,089,000
4	Manhole	EA	8	\$20,322	\$ 163,000
5	Sawcut and Remove Existing AC Pavement	SF	20,370	\$2.66	\$ 54,000
6	Crushed Miscellaneous Base	SF	20,370	\$4	\$ 81,000
7	Replace Asphalt Concrete Pavement	SF	20,370	\$2	\$ 41,000
8	Traffic Control	%	5%		\$ 120,000
9	Erosion Control	%	1%		\$ 25,000
10	Moblilization/Demobilization	%	10%		\$ 254,000
SUBTOTAL (CONSTRUCTION)					\$ 2,797,000
	Engineering and Design	%	10%		\$ 280,000
	Surveying & Staking & Geotechnical	%	5%		\$ 140,000
	Construction Management/Staff	%	10%		\$ 280,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 700,000
SUBTOTAL COST					\$ 3,497,000
CONTINGENCY +				25%	\$ 874,000
TOTAL PROJECT					\$ 4,371,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to SCG transmisson line conflict

Name	SS-1				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	1,020	\$527	\$ 538,000
2	Manhole	EA	3	\$20,322	\$ 61,000
3	Sawcut and Remove Existing AC Pavement	SF	5,440	\$2.66	\$ 14,000
4	Crushed Miscellaneous Base	SF	5,440	\$4	\$ 22,000
5	Replace Asphalt Concrete Pavement	SF	5,440	\$2	\$ 11,000
6	Traffic Control	%	5%		\$ 32,000
7	Erosion Control	%	1%		\$ 7,000
8	Moblilization/Demobilization	%	10%		\$ 69,000
SUBTOTAL (CONSTRUCTION)					\$ 754,000
	Engineering and Design	%	10%		\$ 75,000
	Surveying & Staking & Geotechnical	%	5%		\$ 38,000
	Construction Management/Staff	%	10%		\$ 75,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 188,000
SUBTOTAL COST					\$ 942,000
CONTINGENCY				20%	\$ 188,000
TOTAL PROJECT					\$ 1,130,000

* All unit prices reflect 2024 costs.

Name	SS-2A-1				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	1,820	\$527	\$ 959,000
2	Install 42" RCP	FT	1,220	\$588	\$ 717,000
3	Install 48" RCP	FT	1,040	\$656	\$ 682,000
4	Install 54" RCP	FT	1,380	\$732	\$ 1,010,000
5	Manhole	EA	14	\$20,322	\$ 285,000
6	Sawcut and Remove Existing AC Pavement	SF	33,150	\$2.66	\$ 88,000
7	Crushed Miscellaneous Base	SF	33,150	\$4	\$ 133,000
8	Replace Asphalt Concrete Pavement	SF	33,150	\$2	\$ 66,000
9	Traffic Control	%	5%		\$ 197,000
10	Erosion Control	%	1%		\$ 41,000
11	Mobilization/Demobilization	%	10%		\$ 418,000
SUBTOTAL (CONSTRUCTION)					\$ 4,596,000
	Engineering and Design	%	10%		\$ 460,000
	Surveying & Staking & Geotechnical	%	5%		\$ 230,000
	Construction Management/Staff	%	10%		\$ 460,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,150,000
SUBTOTAL COST					\$ 5,746,000
CONTINGENCY +				25%	\$ 1,437,000
TOTAL PROJECT					\$ 7,183,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to 12' water main conflict

Name	SS-2A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 42" RCP	FT	690	\$588	\$ 406,000
2	Install 72" RCP	FT	4,810	\$1,016	\$ 4,887,000
3	Install 10' x 10' RCB	FT	1,670	\$6,012	\$ 10,040,000
4	Manhole	EA	18	\$20,322	\$ 366,000
5	Sawcut and Remove Existing AC Pavement	SF	66,780	\$2.66	\$ 178,000
6	Crushed Miscellaneous Base	SF	66,780	\$4	\$ 267,000
7	Replace Asphalt Concrete Pavement	SF	66,780	\$2	\$ 134,000
8	Traffic Control	%	5%		\$ 814,000
9	Erosion Control	%	1%		\$ 171,000
10	Mobilization/Demobilization	%	10%		\$ 1,726,000
SUBTOTAL (CONSTRUCTION)					\$ 18,989,000
	Engineering and Design	%	10%		\$ 1,899,000
	Surveying & Staking & Geotechnical	%	5%		\$ 949,000
	Construction Management/Staff	%	10%		\$ 1,899,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 4,747,000
SUBTOTAL COST					\$ 23,736,000
CONTINGENCY				20%	\$ 4,747,000
TOTAL PROJECT					\$ 28,483,000

* All unit prices reflect 2024 costs.

Name	SS-2A-2				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 48" RCP	FT	3,250	\$656	\$ 2,132,000
2	Manhole	EA	8	\$20,322	\$ 163,000
3	Sawcut and Remove Existing AC Pavement	SF	20,860	\$2.66	\$ 55,000
4	Crushed Miscellaneous Base	SF	20,860	\$4	\$ 83,000
5	Replace Asphalt Concrete Pavement	SF	20,860	\$2	\$ 42,000
6	Traffic Control	%	5%		\$ 124,000
7	Erosion Control	%	1%		\$ 26,000
8	Moblilization/Demobilization	%	10%		\$ 263,000
SUBTOTAL (CONSTRUCTION)					\$ 2,888,000
	Engineering and Design	%	10%		\$ 289,000
	Surveying & Staking & Geotechnical	%	5%		\$ 144,000
	Construction Management/Staff	%	10%		\$ 289,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 722,000
SUBTOTAL COST					\$ 3,610,000
CONTINGENCY +				25%	\$ 903,000
TOTAL PROJECT					\$ 4,513,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to 12' water main conflict

Name	SS-2A-3				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	2,730	\$527	\$ 1,439,000
2	Install 72" RCP	FT	1,710	\$1,016	\$ 1,737,000
3	Manhole	EA	11	\$20,322	\$ 224,000
4	Sawcut and Remove Existing AC Pavement	SF	29,240	\$2.66	\$ 78,000
5	Crushed Miscellaneous Base	SF	29,240	\$4	\$ 117,000
6	Replace Asphalt Concrete Pavement	SF	29,240	\$2	\$ 58,000
7	Traffic Control	%	5%		\$ 183,000
8	Erosion Control	%	1%		\$ 38,000
9	Moblilization/Demobilization	%	10%		\$ 387,000
SUBTOTAL (CONSTRUCTION)					\$ 4,261,000
	Engineering and Design	%	10%		\$ 426,000
	Surveying & Staking & Geotechnical	%	5%		\$ 213,000
	Construction Management/Staff	%	10%		\$ 426,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,065,000
SUBTOTAL COST					\$ 5,326,000
CONTINGENCY +				25%	\$ 1,332,000
TOTAL PROJECT					\$ 6,658,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to 12' water main conflict

Name	SS-2B				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	490	\$527	\$ 258,000
2	Install 42" RCP	FT	1,430	\$588	\$ 841,000
3	Install 54" RCP	FT	1,330	\$732	\$ 974,000
4	Install 60" RCP	FT	1,340	\$816	\$ 1,093,000
5	Install 66" RCP	FT	1,370	\$911	\$ 1,248,000
6	Install 78" RCP	FT	2,550	\$1,133	\$ 2,889,000
7	Manhole	EA	20	\$20,322	\$ 406,000
8	Sawcut and Remove Existing AC Pavement	SF	64,610	\$2.66	\$ 172,000
9	Crushed Miscellaneous Base	SF	64,610	\$4	\$ 258,000
10	Replace Asphalt Concrete Pavement	SF	64,610	\$2	\$ 129,000
11	Traffic Control	%	5%		\$ 413,000
12	Erosion Control	%	1%		\$ 87,000
13	Moblilization/Demobilization	%	10%		\$ 877,000
SUBTOTAL (CONSTRUCTION)					\$ 9,645,000
	Engineering and Design	%	10%		\$ 965,000
	Surveying & Staking & Geotechnical	%	5%		\$ 482,000
	Construction Management/Staff	%	10%		\$ 965,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 2,412,000
SUBTOTAL COST					\$ 12,057,000
CONTINGENCY +				25%	\$ 3,014,000
TOTAL PROJECT					\$ 15,071,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	SS-2C				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	620	\$527	\$ 327,000
2	Install 42" RCP	FT	1,290	\$588	\$ 759,000
3	Install 60" RCP	FT	1,320	\$816	\$ 1,077,000
4	Install 66" RCP	FT	1,340	\$911	\$ 1,221,000
5	Install 72" RCP	FT	1,570	\$1,016	\$ 1,595,000
6	Install 78" RCP	FT	2,520	\$1,133	\$ 2,855,000
7	Manhole	EA	20	\$20,322	\$ 406,000
8	Sawcut and Remove Existing AC Pavement	SF	68,040	\$2.66	\$ 181,000
9	Crushed Miscellaneous Base	SF	68,040	\$4	\$ 272,000
10	Replace Asphalt Concrete Pavement	SF	68,040	\$2	\$ 136,000
11	Traffic Control	%	5%		\$ 441,000
12	Erosion Control	%	1%		\$ 93,000
13	Moblilization/Demobilization	%	10%		\$ 936,000
SUBTOTAL (CONSTRUCTION)					\$ 10,299,000
	Engineering and Design	%	10%		\$ 1,030,000
	Surveying & Staking & Geotechnical	%	5%		\$ 515,000
	Construction Management/Staff	%	10%		\$ 1,030,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 2,575,000
SUBTOTAL COST					\$ 12,874,000
CONTINGENCY +				25%	\$ 3,219,000
TOTAL PROJECT					\$ 16,093,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	SS-2D				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	830	\$527	\$ 437,000
2	Install 42" RCP	FT	2,940	\$588	\$ 1,729,000
3	Manhole	EA	9	\$20,322	\$ 183,000
4	Sawcut and Remove Existing AC Pavement	SF	21,700	\$2.66	\$ 58,000
5	Crushed Miscellaneous Base	SF	21,700	\$4	\$ 87,000
6	Replace Asphalt Concrete Pavement	SF	21,700	\$2	\$ 43,000
7	Traffic Control	%	5%		\$ 127,000
8	Erosion Control	%	1%		\$ 27,000
9	Moblilization/Demobilization	%	10%		\$ 269,000
SUBTOTAL (CONSTRUCTION)					\$ 2,960,000
	Engineering and Design	%	10%		\$ 296,000
	Surveying & Staking & Geotechnical	%	5%		\$ 148,000
	Construction Management/Staff	%	10%		\$ 296,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 740,000
SUBTOTAL COST					\$ 3,700,000
CONTINGENCY +				25%	\$ 925,000
TOTAL PROJECT					\$ 4,625,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	T-0				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	730	\$527	\$ 385,000
2	Install 42" RCP	FT	1,280	\$588	\$ 753,000
3	Install 54" RCP	FT	2,870	\$732	\$ 2,101,000
4	Manhole	EA	12	\$20,322	\$ 244,000
5	Sawcut and Remove Existing AC Pavement	SF	31,390	\$2.66	\$ 83,000
6	Crushed Miscellaneous Base	SF	31,390	\$4	\$ 126,000
7	Replace Asphalt Concrete Pavement	SF	31,390	\$2	\$ 63,000
8	Traffic Control	%	5%		\$ 188,000
9	Erosion Control	%	1%		\$ 39,000
10	Mobilization/Demobilization	%	10%		\$ 398,000
SUBTOTAL (CONSTRUCTION)					\$ 4,380,000
	Engineering and Design	%	10%		\$ 438,000
	Surveying & Staking & Geotechnical	%	5%		\$ 219,000
	Construction Management/Staff	%	10%		\$ 438,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,095,000
SUBTOTAL COST					\$ 5,475,000
CONTINGENCY				20%	\$ 1,095,000
TOTAL PROJECT					\$ 6,570,000

* All unit prices reflect 2024 costs.

Name	T-10				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	500	\$527	\$ 264,000
2	Install 42" RCP	FT	1,750	\$588	\$ 1,029,000
3	Install 48" RCP	FT	1,190	\$656	\$ 781,000
4	Manhole	EA	9	\$20,322	\$ 183,000
5	Sawcut and Remove Existing AC Pavement	SF	20,590	\$2.66	\$ 55,000
6	Crushed Miscellaneous Base	SF	20,590	\$4	\$ 82,000
7	Replace Asphalt Concrete Pavement	SF	20,590	\$2	\$ 41,000
8	Traffic Control	%	5%		\$ 122,000
9	Erosion Control	%	1%		\$ 26,000
10	Moblilization/Demobilization	%	10%		\$ 258,000
SUBTOTAL (CONSTRUCTION)					\$ 2,841,000
	Engineering and Design	%	10%		\$ 284,000
	Surveying & Staking & Geotechnical	%	5%		\$ 142,000
	Construction Management/Staff	%	10%		\$ 284,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 710,000
SUBTOTAL COST					\$ 3,551,000
CONTINGENCY +					25% \$ 888,000
TOTAL PROJECT					\$ 4,439,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to SCG transmisson line conflict

Name	T-11				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	480	\$527	\$ 253,000
2	Install 42" RCP	FT	1,780	\$588	\$ 1,047,000
3	Install 48" RCP	FT	1,220	\$656	\$ 800,000
4	Manhole	EA	9	\$20,322	\$ 183,000
5	Sawcut and Remove Existing AC Pavement	SF	20,850	\$2.66	\$ 55,000
6	Crushed Miscellaneous Base	SF	20,850	\$4	\$ 83,000
7	Replace Asphalt Concrete Pavement	SF	20,850	\$2	\$ 42,000
8	Traffic Control	%	5%		\$ 123,000
9	Erosion Control	%	1%		\$ 26,000
10	Moblilization/Demobilization	%	10%		\$ 261,000
SUBTOTAL (CONSTRUCTION)					\$ 2,873,000
	Engineering and Design	%	10%		\$ 287,000
	Surveying & Staking & Geotechnical	%	5%		\$ 144,000
	Construction Management/Staff	%	10%		\$ 287,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 718,000
SUBTOTAL COST					\$ 3,591,000
CONTINGENCY +					25% \$ 898,000
TOTAL PROJECT					\$ 4,489,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to SCG transmisson line conflict

Name	T-1A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 60" RCP	FT	1,220	\$816	\$ 996,000
2	Install 72" RCP	FT	960	\$1,016	\$ 975,000
3	Manhole	EA	5	\$20,322	\$ 102,000
4	Remove 54" RCP	FT	250	\$80	\$ 20,000
5	Sawcut and Remove Existing AC Pavement	SF	17,530	\$2.66	\$ 47,000
6	Crushed Miscellaneous Base	SF	17,530	\$4	\$ 70,000
7	Replace Asphalt Concrete Pavement	SF	17,530	\$2	\$ 35,000
8	Traffic Control	%	5%		\$ 112,000
9	Erosion Control	%	1%		\$ 24,000
10	Mobilization/Demobilization	%	10%		\$ 238,000
SUBTOTAL (CONSTRUCTION)					\$ 2,619,000
	Engineering and Design	%	10%		\$ 262,000
	Surveying & Staking & Geotechnical	%	5%		\$ 131,000
	Construction Management/Staff	%	10%		\$ 262,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 655,000
SUBTOTAL COST					\$ 3,274,000
CONTINGENCY				20%	\$ 655,000
TOTAL PROJECT					\$ 3,929,000

* All unit prices reflect 2024 costs.

Name	T-1B				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	720	\$527	\$ 379,000
2	Install 42" RCP	FT	1,290	\$588	\$ 759,000
3	Manhole	EA	5	\$20,322	\$ 102,000
4	Sawcut and Remove Existing AC Pavement	SF	11,420	\$2.66	\$ 30,000
5	Crushed Miscellaneous Base	SF	11,420	\$4	\$ 46,000
6	Replace Asphalt Concrete Pavement	SF	11,420	\$2	\$ 23,000
7	Traffic Control	%	5%		\$ 67,000
8	Erosion Control	%	1%		\$ 14,000
9	Moblilization/Demobilization	%	10%		\$ 142,000
SUBTOTAL (CONSTRUCTION)					\$ 1,562,000
	Engineering and Design	%	10%		\$ 156,000
	Surveying & Staking & Geotechnical	%	5%		\$ 78,000
	Construction Management/Staff	%	10%		\$ 156,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 390,000
SUBTOTAL COST					\$ 1,952,000
CONTINGENCY					20% \$ 390,000
TOTAL PROJECT					\$ 2,342,000

* All unit prices reflect 2024 costs.

Name	T-2				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 60" RCP	FT	290	\$816	\$ 237,000
2	Install 66" RCP	FT	600	\$911	\$ 547,000
3	Install 78" RCP	FT	460	\$1,133	\$ 521,000
4	Install 96" RCP	FT	5,490	\$1,572	\$ 8,630,000
5	Manhole	EA	17	\$20,322	\$ 345,000
6	Remove 54" RCP	FT	1,300	\$80	\$ 104,000
7	Sawcut and Remove Existing AC Pavement	SF	70,220	\$2.66	\$ 187,000
8	Crushed Miscellaneous Base	SF	70,220	\$4	\$ 281,000
9	Replace Asphalt Concrete Pavement	SF	70,220	\$2	\$ 140,000
10	Traffic Control	%	5%		\$ 550,000
11	Erosion Control	%	1%		\$ 115,000
12	Moblilization/Demobilization	%	10%		\$ 1,166,000
SUBTOTAL (CONSTRUCTION)					\$ 12,823,000
	Engineering and Design	%	10%		\$ 1,282,000
	Surveying & Staking & Geotechnical	%	5%		\$ 641,000
	Construction Management/Staff	%	10%		\$ 1,282,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 3,205,000
SUBTOTAL COST					\$ 16,028,000
CONTINGENCY +				25%	\$ 4,007,000
TOTAL PROJECT					\$ 20,035,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	T-2A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	320	\$527	\$ 169,000
2	Install 42" RCP	FT	1,830	\$588	\$ 1,076,000
3	Install 48" RCP	FT	1,860	\$656	\$ 1,220,000
4	Install 60" RCP	FT	790	\$816	\$ 645,000
5	Manhole	EA	12	\$20,322	\$ 244,000
6	Sawcut and Remove Existing AC Pavement	SF	30,320	\$2.66	\$ 81,000
7	Crushed Miscellaneous Base	SF	30,320	\$4	\$ 121,000
8	Replace Asphalt Concrete Pavement	SF	30,320	\$2	\$ 61,000
9	Traffic Control	%	5%		\$ 181,000
10	Erosion Control	%	1%		\$ 38,000
11	Mobilization/Demobilization	%	10%		\$ 384,000
SUBTOTAL (CONSTRUCTION)					\$ 4,220,000
	Engineering and Design	%	10%		\$ 422,000
	Surveying & Staking & Geotechnical	%	5%		\$ 211,000
	Construction Management/Staff	%	10%		\$ 422,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,055,000
SUBTOTAL COST					\$ 5,275,000
CONTINGENCY +				25%	\$ 1,319,000
TOTAL PROJECT					\$ 7,649,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	T-2B				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	640	\$527	\$ 337,000
2	Install 42" RCP	FT	1,360	\$588	\$ 800,000
3	Install 54" RCP	FT	2,580	\$732	\$ 1,889,000
4	Manhole	EA	11	\$20,322	\$ 224,000
5	Remove 36" RCP	FT	90	\$53	\$ 5,000
6	Sawcut and Remove Existing AC Pavement	SF	27,960	\$2.66	\$ 74,000
7	Crushed Miscellaneous Base	SF	27,960	\$4	\$ 112,000
8	Replace Asphalt Concrete Pavement	SF	27,960	\$2	\$ 56,000
9	Traffic Control	%	5%		\$ 175,000
10	Erosion Control	%	1%		\$ 37,000
11	Mobilization/Demobilization	%	10%		\$ 371,000
SUBTOTAL (CONSTRUCTION)					\$ 4,080,000
	Engineering and Design	%	10%		\$ 408,000
	Surveying & Staking & Geotechnical	%	5%		\$ 204,000
	Construction Management/Staff	%	10%		\$ 408,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,020,000
SUBTOTAL COST					\$ 5,100,000
CONTINGENCY +				25%	\$ 1,275,000
TOTAL PROJECT					\$ 6,375,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	T-2C				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	690	\$527	\$ 364,000
2	Install 42" RCP	FT	1,340	\$588	\$ 788,000
3	Install 54" RCP	FT	2,560	\$732	\$ 1,874,000
4	Manhole	EA	11	\$20,322	\$ 224,000
5	Sawcut and Remove Existing AC Pavement	SF	29,370	\$2.66	\$ 78,000
6	Crushed Miscellaneous Base	SF	29,370	\$4	\$ 117,000
7	Replace Asphalt Concrete Pavement	SF	29,370	\$2	\$ 59,000
8	Traffic Control	%	5%		\$ 175,000
9	Erosion Control	%	1%		\$ 37,000
10	Moblilization/Demobilization	%	10%		\$ 372,000
SUBTOTAL (CONSTRUCTION)					\$ 4,088,000
	Engineering and Design	%	10%		\$ 409,000
	Surveying & Staking & Geotechnical	%	5%		\$ 204,000
	Construction Management/Staff	%	10%		\$ 409,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,022,000
SUBTOTAL COST					\$ 5,110,000
CONTINGENCY +				25%	\$ 1,278,000
TOTAL PROJECT					\$ 6,388,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	T-3				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 60" RCP	FT	3,990	\$816	\$ 3,256,000
2	Install 66" RCP	FT	1,520	\$911	\$ 1,385,000
3	Manhole	EA	14	\$20,322	\$ 285,000
4	Sawcut and Remove Existing AC Pavement	SF	42,150	\$2.66	\$ 112,000
5	Crushed Miscellaneous Base	SF	42,150	\$4	\$ 169,000
6	Replace Asphalt Concrete Pavement	SF	42,150	\$2	\$ 84,000
7	Traffic Control	%	5%		\$ 265,000
8	Erosion Control	%	1%		\$ 56,000
9	Moblilization/Demobilization	%	10%		\$ 561,000
SUBTOTAL (CONSTRUCTION)					\$ 6,173,000
	Engineering and Design	%	10%		\$ 617,000
	Surveying & Staking & Geotechnical	%	5%		\$ 309,000
	Construction Management/Staff	%	10%		\$ 617,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,543,000
SUBTOTAL COST					\$ 7,716,000
CONTINGENCY					20% \$ 1,543,000
TOTAL PROJECT					\$ 9,259,000

* All unit prices reflect 2024 costs.

Name	T-3A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	330	\$527	\$ 174,000
2	Install 42" RCP	FT	1,830	\$588	\$ 1,076,000
3	Install 48" RCP	FT	1,380	\$656	\$ 905,000
4	Install 60" RCP	FT	3,990	\$816	\$ 3,256,000
5	Manhole	EA	19	\$20,322	\$ 386,000
6	Sawcut and Remove Existing AC Pavement	SF	51,300	\$2.66	\$ 136,000
7	Crushed Miscellaneous Base	SF	51,300	\$4	\$ 205,000
8	Replace Asphalt Concrete Pavement	SF	51,300	\$2	\$ 103,000
9	Traffic Control	%	5%		\$ 312,000
10	Erosion Control	%	1%		\$ 66,000
11	Mobilization/Demobilization	%	10%		\$ 662,000
SUBTOTAL (CONSTRUCTION)					\$ 7,281,000
	Engineering and Design	%	10%		\$ 728,000
	Surveying & Staking & Geotechnical	%	5%		\$ 364,000
	Construction Management/Staff	%	10%		\$ 728,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,820,000
SUBTOTAL COST					\$ 9,101,000
CONTINGENCY +				25%	\$ 2,275,000
TOTAL PROJECT					\$ 11,376,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	T-4				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	520	\$527	\$ 274,000
2	Install 42" RCP	FT	1,140	\$588	\$ 670,000
3	Install 48" RCP	FT	1,310	\$656	\$ 859,000
4	Install 54" RCP	FT	1,310	\$732	\$ 959,000
5	Manhole	EA	11	\$20,322	\$ 224,000
6	Remove 54" RCP	FT	60	\$80	\$ 5,000
7	Remove 60" RCP	FT	20	\$89	\$ 2,000
8	Sawcut and Remove Existing AC Pavement	SF	27,000	\$2.66	\$ 72,000
9	Crushed Miscellaneous Base	SF	27,000	\$4	\$ 108,000
10	Replace Asphalt Concrete Pavement	SF	27,000	\$2	\$ 54,000
11	Traffic Control	%	5%		\$ 161,000
12	Erosion Control	%	1%		\$ 34,000
13	Moblilization/Demobilization	%	10%		\$ 342,000
SUBTOTAL (CONSTRUCTION)					\$ 3,764,000
	Engineering and Design	%	10%		\$ 376,000
	Surveying & Staking & Geotechnical	%	5%		\$ 188,000
	Construction Management/Staff	%	10%		\$ 376,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 940,000
SUBTOTAL COST					\$ 4,704,000
CONTINGENCY +				25%	\$ 1,176,000
TOTAL PROJECT					\$ 5,880,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	T-5				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 54" RCP	FT	1,650	\$732	\$ 1,208,000
2	Install 84" RCP	FT	2,540	\$1,264	\$ 3,211,000
3	Manhole	EA	10	\$20,322	\$ 203,000
4	Sawcut and Remove Existing AC Pavement	SF	36,040	\$2.66	\$ 96,000
5	Crushed Miscellaneous Base	SF	36,040	\$4	\$ 144,000
6	Replace Asphalt Concrete Pavement	SF	36,040	\$2	\$ 72,000
7	Traffic Control	%	5%		\$ 247,000
8	Erosion Control	%	1%		\$ 52,000
9	Moblilization/Demobilization	%	10%		\$ 523,000
SUBTOTAL (CONSTRUCTION)					\$ 5,756,000
	Engineering and Design	%	10%		\$ 576,000
	Surveying & Staking & Geotechnical	%	5%		\$ 288,000
	Construction Management/Staff	%	10%		\$ 576,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,440,000
SUBTOTAL COST					\$ 7,196,000
CONTINGENCY +				25%	\$ 1,799,000
TOTAL PROJECT					\$ 8,995,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	T-5A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	1,850	\$527	\$ 975,000
2	Install 42" RCP	FT	1,380	\$588	\$ 811,000
3	Install 48" RCP	FT	1,390	\$656	\$ 912,000
4	Manhole	EA	12	\$20,322	\$ 244,000
5	Sawcut and Remove Existing AC Pavement	SF	26,900	\$2.66	\$ 72,000
6	Crushed Miscellaneous Base	SF	26,900	\$4	\$ 108,000
7	Replace Asphalt Concrete Pavement	SF	26,900	\$2	\$ 54,000
8	Traffic Control	%	5%		\$ 159,000
9	Erosion Control	%	1%		\$ 33,000
10	Moblilization/Demobilization	%	10%		\$ 337,000
SUBTOTAL (CONSTRUCTION)					\$ 3,705,000
	Engineering and Design	%	10%		\$ 371,000
	Surveying & Staking & Geotechnical	%	5%		\$ 185,000
	Construction Management/Staff	%	10%		\$ 371,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 927,000
SUBTOTAL COST					\$ 4,632,000
CONTINGENCY +				25%	\$ 1,158,000
TOTAL PROJECT					\$ 5,790,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	T-5B				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 78" RCP	FT	2,420	\$1,133	\$ 2,742,000
2	Manhole	EA	6	\$20,322	\$ 122,000
3	Remove 24" RCP	FT	720	\$35	\$ 25,000
4	Sawcut and Remove Existing AC Pavement	SF	22,090	\$2.66	\$ 59,000
5	Crushed Miscellaneous Base	SF	22,090	\$4	\$ 88,000
6	Replace Asphalt Concrete Pavement	SF	22,090	\$2	\$ 44,000
7	Traffic Control	%	5%		\$ 154,000
8	Erosion Control	%	1%		\$ 32,000
9	Moblilization/Demobilization	%	10%		\$ 327,000
SUBTOTAL (CONSTRUCTION)					\$ 3,593,000
	Engineering and Design	%	10%		\$ 359,000
	Surveying & Staking & Geotechnical	%	5%		\$ 180,000
	Construction Management/Staff	%	10%		\$ 359,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 898,000
SUBTOTAL COST					\$ 4,491,000
CONTINGENCY +				25%	\$ 1,123,000
TOTAL PROJECT					\$ 5,614,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	T-5C				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	300	\$527	\$ 158,000
2	Install 42" RCP	FT	1,070	\$588	\$ 629,000
3	Install 48" RCP	FT	800	\$656	\$ 525,000
4	Install 54" RCP	FT	1,500	\$732	\$ 1,098,000
5	Install 72" RCP	FT	1,230	\$1,016	\$ 1,250,000
6	Manhole	EA	12	\$20,322	\$ 244,000
7	Sawcut and Remove Existing AC Pavement	SF	34,020	\$2.66	\$ 90,000
8	Crushed Miscellaneous Base	SF	34,020	\$4	\$ 136,000
9	Replace Asphalt Concrete Pavement	SF	34,020	\$2	\$ 68,000
10	Traffic Control	%	5%		\$ 210,000
11	Erosion Control	%	1%		\$ 44,000
12	Moblilization/Demobilization	%	10%		\$ 445,000
SUBTOTAL (CONSTRUCTION)					\$ 4,897,000
	Engineering and Design	%	10%		\$ 490,000
	Surveying & Staking & Geotechnical	%	5%		\$ 245,000
	Construction Management/Staff	%	10%		\$ 490,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,225,000
SUBTOTAL COST					\$ 6,122,000
CONTINGENCY				20%	\$ 1,224,000
TOTAL PROJECT					\$ 7,346,000

* All unit prices reflect 2024 costs.

Name	T-6				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 66" RCP	FT	1,990	\$911	\$ 1,813,000
2	Install 72" RCP	FT	1,690	\$1,016	\$ 1,717,000
3	Manhole	EA	9	\$20,322	\$ 183,000
4	Sawcut and Remove Existing AC Pavement	SF	30,510	\$2.66	\$ 81,000
5	Crushed Miscellaneous Base	SF	30,510	\$4	\$ 122,000
6	Replace Asphalt Concrete Pavement	SF	30,510	\$2	\$ 61,000
7	Traffic Control	%	5%		\$ 199,000
8	Erosion Control	%	1%		\$ 42,000
9	Moblilization/Demobilization	%	10%		\$ 422,000
SUBTOTAL (CONSTRUCTION)					\$ 4,640,000
	Engineering and Design	%	10%		\$ 464,000
	Surveying & Staking & Geotechnical	%	5%		\$ 232,000
	Construction Management/Staff	%	10%		\$ 464,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,160,000
SUBTOTAL COST					\$ 5,800,000
CONTINGENCY +				25%	\$ 1,450,000
TOTAL PROJECT					\$ 7,250,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	T-6A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	880	\$527	\$ 464,000
2	Install 42" RCP	FT	1,330	\$588	\$ 782,000
3	Manhole	EA	6	\$20,322	\$ 122,000
4	Sawcut and Remove Existing AC Pavement	SF	12,510	\$2.66	\$ 33,000
5	Crushed Miscellaneous Base	SF	12,510	\$4	\$ 50,000
6	Replace Asphalt Concrete Pavement	SF	12,510	\$2	\$ 25,000
7	Traffic Control	%	5%		\$ 74,000
8	Erosion Control	%	1%		\$ 16,000
9	Moblilization/Demobilization	%	10%		\$ 157,000
SUBTOTAL (CONSTRUCTION)					\$ 1,723,000
	Engineering and Design	%	10%		\$ 172,000
	Surveying & Staking & Geotechnical	%	5%		\$ 86,000
	Construction Management/Staff	%	10%		\$ 172,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 430,000
SUBTOTAL COST					\$ 2,153,000
CONTINGENCY					20% \$ 431,000
TOTAL PROJECT					\$ 2,584,000

* All unit prices reflect 2024 costs.

Name	T-6B				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	430	\$527	\$ 227,000
2	Install 42" RCP	FT	420	\$588	\$ 247,000
3	Install 60" RCP	FT	1,450	\$816	\$ 1,183,000
4	Manhole	EA	6	\$20,322	\$ 122,000
5	Sawcut and Remove Existing AC Pavement	SF	15,640	\$2.66	\$ 42,000
6	Crushed Miscellaneous Base	SF	15,640	\$4	\$ 63,000
7	Replace Asphalt Concrete Pavement	SF	15,640	\$2	\$ 31,000
8	Traffic Control	%	5%		\$ 96,000
9	Erosion Control	%	1%		\$ 20,000
10	Mobilization/Demobilization	%	10%		\$ 203,000
SUBTOTAL (CONSTRUCTION)					\$ 2,234,000
	Engineering and Design	%	10%		\$ 223,000
	Surveying & Staking & Geotechnical	%	5%		\$ 112,000
	Construction Management/Staff	%	10%		\$ 223,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 558,000
SUBTOTAL COST					\$ 2,792,000
CONTINGENCY				20%	\$ 558,000
TOTAL PROJECT					\$ 3,350,000

* All unit prices reflect 2024 costs.

Name	T-7				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	2,620	\$527	\$ 1,381,000
2	Install 42" RCP	FT	2,620	\$588	\$ 1,541,000
3	Install Double 66" RCP	FT	1,720	\$1,822	\$ 3,134,000
4	Manhole	EA	17	\$20,322	\$ 345,000
5	Sawcut and Remove Existing AC Pavement	SF	57,030	\$2.66	\$ 152,000
6	Crushed Miscellaneous Base	SF	57,030	\$4	\$ 228,000
7	Replace Asphalt Concrete Pavement	SF	57,030	\$2	\$ 114,000
8	Traffic Control	%	5%		\$ 345,000
9	Erosion Control	%	1%		\$ 72,000
10	Mobilization/Demobilization	%	10%		\$ 731,000
SUBTOTAL (CONSTRUCTION)					\$ 8,043,000
	Engineering and Design	%	10%		\$ 804,000
	Surveying & Staking & Geotechnical	%	5%		\$ 402,000
	Construction Management/Staff	%	10%		\$ 804,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 2,010,000
SUBTOTAL COST					\$ 10,053,000
CONTINGENCY				20%	\$ 2,011,000
TOTAL PROJECT					\$ 12,064,000

* All unit prices reflect 2024 costs.

Name	T-7A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	1,320	\$527	\$ 696,000
2	Manhole	EA	3	\$20,322	\$ 61,000
3	Sawcut and Remove Existing AC Pavement	SF	7,040	\$2.66	\$ 19,000
4	Crushed Miscellaneous Base	SF	7,040	\$4	\$ 28,000
5	Replace Asphalt Concrete Pavement	SF	7,040	\$2	\$ 14,000
6	Traffic Control	%	5%		\$ 41,000
7	Erosion Control	%	1%		\$ 9,000
8	Moblilization/Demobilization	%	10%		\$ 87,000
SUBTOTAL (CONSTRUCTION)					\$ 955,000
	Engineering and Design	%	10%		\$ 96,000
	Surveying & Staking & Geotechnical	%	5%		\$ 48,000
	Construction Management/Staff	%	10%		\$ 96,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 240,000
SUBTOTAL COST					\$ 1,195,000
CONTINGENCY				20%	\$ 239,000
TOTAL PROJECT					\$ 1,434,000

* All unit prices reflect 2024 costs.

Name	T-7B				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	320	\$527	\$ 169,000
2	Install 42" RCP	FT	690	\$588	\$ 406,000
3	Install 48" RCP	FT	670	\$656	\$ 440,000
4	Manhole	EA	4	\$20,322	\$ 81,000
5	Sawcut and Remove Existing AC Pavement	SF	10,060	\$2.66	\$ 27,000
6	Crushed Miscellaneous Base	SF	10,060	\$4	\$ 40,000
7	Replace Asphalt Concrete Pavement	SF	10,060	\$2	\$ 20,000
8	Traffic Control	%	5%		\$ 59,000
9	Erosion Control	%	1%		\$ 12,000
10	Mobilization/Demobilization	%	10%		\$ 125,000
SUBTOTAL (CONSTRUCTION)					\$ 1,379,000
	Engineering and Design	%	10%		\$ 138,000
	Surveying & Staking & Geotechnical	%	5%		\$ 69,000
	Construction Management/Staff	%	10%		\$ 138,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 345,000
SUBTOTAL COST					\$ 1,724,000
CONTINGENCY				20%	\$ 345,000
TOTAL PROJECT					\$ 2,069,000

* All unit prices reflect 2024 costs.

Name	T-8				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 54" RCP	FT	2,630	\$732	\$ 1,925,000
2	Install 66" RCP	FT	1,310	\$911	\$ 1,193,000
3	Install 72" RCP	FT	1,340	\$1,016	\$ 1,361,000
4	Install 78" RCP	FT	570	\$1,133	\$ 646,000
5	Manhole	EA	15	\$20,322	\$ 305,000
6	Sawcut and Remove Existing AC Pavement	SF	45,540	\$2.66	\$ 121,000
7	Crushed Miscellaneous Base	SF	45,540	\$4	\$ 182,000
8	Replace Asphalt Concrete Pavement	SF	45,540	\$2	\$ 91,000
9	Traffic Control	%	5%		\$ 291,000
10	Erosion Control	%	1%		\$ 61,000
11	Moblilization/Demobilization	%	10%		\$ 618,000
SUBTOTAL (CONSTRUCTION)					\$ 6,794,000
	Engineering and Design	%	10%		\$ 679,000
	Surveying & Staking & Geotechnical	%	5%		\$ 340,000
	Construction Management/Staff	%	10%		\$ 679,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,698,000
SUBTOTAL COST					\$ 8,492,000
CONTINGENCY				20%	\$ 1,698,000
TOTAL PROJECT					\$ 10,190,000

* All unit prices reflect 2024 costs.

Name	T-8A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	540	\$527	\$ 285,000
2	Install 42" RCP	FT	1,140	\$588	\$ 670,000
3	Install 48" RCP	FT	1,300	\$656	\$ 853,000
4	Manhole	EA	7	\$20,322	\$ 142,000
5	Sawcut and Remove Existing AC Pavement	SF	17,920	\$2.66	\$ 48,000
6	Crushed Miscellaneous Base	SF	17,920	\$4	\$ 72,000
7	Replace Asphalt Concrete Pavement	SF	17,920	\$2	\$ 36,000
8	Traffic Control	%	5%		\$ 105,000
9	Erosion Control	%	1%		\$ 22,000
10	Mobilization/Demobilization	%	10%		\$ 223,000
SUBTOTAL (CONSTRUCTION)					\$ 2,456,000
	Engineering and Design	%	10%		\$ 246,000
	Surveying & Staking & Geotechnical	%	5%		\$ 123,000
	Construction Management/Staff	%	10%		\$ 246,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 615,000
SUBTOTAL COST					\$ 3,071,000
CONTINGENCY				20%	\$ 614,000
TOTAL PROJECT					\$ 3,685,000

* All unit prices reflect 2024 costs.

Name	T-8B				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	360	\$527	\$ 190,000
2	Install 42" RCP	FT	1,470	\$588	\$ 864,000
3	Install 48" RCP	FT	1,310	\$656	\$ 859,000
4	Manhole	EA	8	\$20,322	\$ 163,000
5	Sawcut and Remove Existing AC Pavement	SF	18,970	\$2.66	\$ 50,000
6	Crushed Miscellaneous Base	SF	18,970	\$4	\$ 76,000
7	Replace Asphalt Concrete Pavement	SF	18,970	\$2	\$ 38,000
8	Traffic Control	%	5%		\$ 112,000
9	Erosion Control	%	1%		\$ 24,000
10	Mobilization/Demobilization	%	10%		\$ 238,000
SUBTOTAL (CONSTRUCTION)					\$ 2,614,000
	Engineering and Design	%	10%		\$ 261,000
	Surveying & Staking & Geotechnical	%	5%		\$ 131,000
	Construction Management/Staff	%	10%		\$ 261,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 653,000
SUBTOTAL COST					\$ 3,267,000
CONTINGENCY				20%	\$ 653,000
TOTAL PROJECT					\$ 3,920,000

* All unit prices reflect 2024 costs.

Name	T-8C				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	390	\$527	\$ 206,000
2	Install 42" RCP	FT	1,640	\$588	\$ 964,000
3	Install 48" RCP	FT	1,300	\$656	\$ 853,000
4	Manhole	EA	8	\$20,322	\$ 163,000
4	Sawcut and Remove Existing AC Pavement	SF	20,060	\$2.66	\$ 53,000
5	Crushed Miscellaneous Base	SF	20,060	\$4	\$ 80,000
6	Replace Asphalt Concrete Pavement	SF	20,060	\$2	\$ 40,000
7	Traffic Control	%	5%		\$ 108,000
8	Erosion Control	%	1%		\$ 23,000
9	Mobilization/Demobilization	%	10%		\$ 228,000
SUBTOTAL (CONSTRUCTION)					\$ 2,512,000
	Engineering and Design	%	10%		\$ 251,000
	Surveying & Staking & Geotechnical	%	5%		\$ 126,000
	Construction Management/Staff	%	10%		\$ 251,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 628,000
SUBTOTAL COST					\$ 3,140,000
CONTINGENCY				20%	\$ 628,000
TOTAL PROJECT					\$ 3,768,000

* All unit prices reflect 2024 costs.

Name	T-8D				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	1,330	\$527	\$ 701,000
2	Install 42" RCP	FT	790	\$588	\$ 465,000
3	Install 48" RCP	FT	2,630	\$656	\$ 1,725,000
4	Manhole	EA	12	\$20,322	\$ 244,000
5	Sawcut and Remove Existing AC Pavement	SF	28,620	\$2.66	\$ 76,000
6	Crushed Miscellaneous Base	SF	28,620	\$4	\$ 114,000
7	Replace Asphalt Concrete Pavement	SF	28,620	\$2	\$ 57,000
8	Traffic Control	%	5%		\$ 169,000
9	Erosion Control	%	1%		\$ 36,000
10	Mobilization/Demobilization	%	10%		\$ 359,000
SUBTOTAL (CONSTRUCTION)					\$ 3,946,000
	Engineering and Design	%	10%		\$ 395,000
	Surveying & Staking & Geotechnical	%	5%		\$ 197,000
	Construction Management/Staff	%	10%		\$ 395,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 987,000
SUBTOTAL COST					\$ 4,933,000
CONTINGENCY				20%	\$ 987,000
TOTAL PROJECT					\$ 5,920,000

* All unit prices reflect 2024 costs.

Name	T-9				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	520	\$527	\$ 274,000
2	Install 42" RCP	FT	1,160	\$588	\$ 682,000
3	Install 48" RCP	FT	1,330	\$656	\$ 872,000
4	Install 66" RCP	FT	380	\$911	\$ 346,000
5	Manhole	EA	8	\$20,322	\$ 163,000
6	Sawcut and Remove Existing AC Pavement	SF	21,180	\$2.66	\$ 56,000
7	Crushed Miscellaneous Base	SF	21,180	\$4	\$ 85,000
8	Replace Asphalt Concrete Pavement	SF	21,180	\$2	\$ 42,000
9	Traffic Control	%	5%		\$ 126,000
10	Erosion Control	%	1%		\$ 26,000
11	Mobilization/Demobilization	%	10%		\$ 267,000
SUBTOTAL (CONSTRUCTION)					\$ 2,939,000
	Engineering and Design	%	10%		\$ 294,000
	Surveying & Staking & Geotechnical	%	5%		\$ 147,000
	Construction Management/Staff	%	10%		\$ 294,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 735,000
SUBTOTAL COST					\$ 3,674,000
CONTINGENCY +				25%	\$ 919,000
TOTAL PROJECT					\$ 4,593,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to SCG transmission line conflict

Name	T-9A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	520	\$527	\$ 274,000
2	Install 42" RCP	FT	1,140	\$588	\$ 670,000
3	Install 48" RCP	FT	1,310	\$656	\$ 859,000
4	Install 54" RCP	FT	1,310	\$732	\$ 959,000
5	Manhole	EA	11	\$20,322	\$ 224,000
6	Sawcut and Remove Existing AC Pavement	SF	27,000	\$2.66	\$ 72,000
7	Crushed Miscellaneous Base	SF	27,000	\$4	\$ 108,000
8	Replace Asphalt Concrete Pavement	SF	27,000	\$2	\$ 54,000
9	Traffic Control	%	5%		\$ 161,000
10	Erosion Control	%	1%		\$ 34,000
11	Mobilization/Demobilization	%	10%		\$ 342,000
SUBTOTAL (CONSTRUCTION)					\$ 3,757,000
	Engineering and Design	%	10%		\$ 376,000
	Surveying & Staking & Geotechnical	%	5%		\$ 188,000
	Construction Management/Staff	%	10%		\$ 376,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 940,000
SUBTOTAL COST					\$ 4,697,000
CONTINGENCY +				25%	\$ 1,174,000
TOTAL PROJECT					\$ 5,871,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to SCG transmission line conflict

Name	WG-1				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 48" RCP	FT	1,220	\$656	\$ 800,000
2	Manhole	EA	3	\$20,322	\$ 61,000
3	Sawcut and Remove Existing AC Pavement	SF	7,830	\$2.66	\$ 21,000
4	Crushed Miscellaneous Base	SF	7,830	\$4	\$ 31,000
5	Replace Asphalt Concrete Pavement	SF	7,830	\$2	\$ 16,000
6	Traffic Control	%	5%		\$ 46,000
7	Erosion Control	%	1%		\$ 10,000
8	Moblilization/Demobilization	%	10%		\$ 99,000
SUBTOTAL (CONSTRUCTION)					\$ 1,084,000
	Engineering and Design	%	10%		\$ 108,000
	Surveying & Staking & Geotechnical	%	5%		\$ 54,000
	Construction Management/Staff	%	10%		\$ 108,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 270,000
SUBTOTAL COST					\$ 1,354,000
CONTINGENCY				20%	\$ 271,000
TOTAL PROJECT					\$ 1,625,000

* All unit prices reflect 2024 costs.

Name	WG-2				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	1,330	\$527	\$ 701,000
2	Install 42" RCP	FT	990	\$588	\$ 582,000
3	Install 48" RCP	FT	650	\$656	\$ 426,000
4	Manhole	EA	7	\$20,322	\$ 142,000
5	Sawcut and Remove Existing AC Pavement	SF	17,090	\$2.66	\$ 45,000
6	Crushed Miscellaneous Base	SF	17,090	\$4	\$ 68,000
7	Replace Asphalt Concrete Pavement	SF	17,090	\$2	\$ 34,000
8	Traffic Control	%	5%		\$ 100,000
9	Erosion Control	%	1%		\$ 21,000
10	Moblilization/Demobilization	%	10%		\$ 212,000
SUBTOTAL (CONSTRUCTION)					\$ 2,331,000
	Engineering and Design	%	10%		\$ 233,000
	Surveying & Staking & Geotechnical	%	5%		\$ 117,000
	Construction Management/Staff	%	10%		\$ 233,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 583,000
SUBTOTAL COST					\$ 2,914,000
CONTINGENCY +				25%	\$ 729,000
TOTAL PROJECT					\$ 3,643,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	WG-3				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 48" RCP	FT	610	\$656	\$ 400,000
2	Manhole	EA	2	\$20,322	\$ 41,000
3	Sawcut and Remove Existing AC Pavement	SF	3,660	\$2.66	\$ 10,000
4	Crushed Miscellaneous Base	SF	3,660	\$4	\$ 15,000
5	Replace Asphalt Concrete Pavement	SF	3,660	\$2	\$ 7,000
6	Traffic Control	%	5%		\$ 24,000
7	Erosion Control	%	1%		\$ 5,000
8	Moblilization/Demobilization	%	10%		\$ 50,000
SUBTOTAL (CONSTRUCTION)					\$ 552,000
	Engineering and Design	%	10%		\$ 55,200
	Surveying & Staking & Geotechnical	%	5%		\$ 28,000
	Construction Management/Staff	%	10%		\$ 55,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 138,200
SUBTOTAL COST					\$ 690,200
CONTINGENCY				20%	\$ 138,000
TOTAL PROJECT					\$ 828,200

* All unit prices reflect 2024 costs.

AOS 2 Capital Project Cost Estimates



Project	Cost
DZ-10	\$6,060,000.00
DZ-11	\$4,500,000.00
DZ-11A	\$3,978,000.00
DZ-11B	\$3,065,000.00
DZ-12	\$4,272,000.00
DZ-12A	\$3,806,000.00
DZ-13	\$6,870,000.00
DZ-14	\$4,683,000.00
DZ-14A	\$2,651,000.00
DZ-15A	\$3,030,000.00
DZ-16	\$9,314,000.00
DZ-16A	\$2,599,000.00
DZ-4	\$7,155,000.00
DZ-7	\$3,398,000.00
DZ-8	\$745,000.00
DZ-9	\$2,810,000.00
JH-1	\$3,281,000.00
JH-2	\$3,823,000.00
SR-1	\$5,008,000.00
SR-2	\$15,527,000.00
SR-3	\$7,451,000.00
SR-4	\$5,772,000.00
SS-10	\$1,415,000.00
SS-11	\$3,556,000.00
SS-5	\$3,380,000.00
SS-6	\$1,950,000.00
SS-7	\$3,065,000.00
SS-8	\$3,105,000.00
SS-9	\$2,447,000.00
SS-9A	\$2,986,000.00

Name	DZ-4				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 84" RCP	FT	1,650	\$1,264	\$ 2,086,000
2	Install 108" RCP	FT	640	\$2,000	\$ 1,280,000
3	Install 6' x 7' RCB	FT	110	\$2,052	\$ 226,000
4	Manhole	EA	6	\$20,322	\$ 122,000
5	Sawcut and Remove Existing AC Pavement	SF	24,490	\$2.66	\$ 65,000
6	Crushed Miscellaneous Base	SF	24,490	\$4	\$ 98,000
7	Replace Asphalt Concrete Pavement	SF	24,490	\$2	\$ 49,000
8	Traffic Control	%	5%		\$ 196,000
9	Erosion Control	%	1%		\$ 41,000
10	Mobilization/Demobilization	%	10%		\$ 416,000
SUBTOTAL (CONSTRUCTION)					\$ 4,579,000
	Engineering and Design	%	10%		\$ 458,000
	Surveying & Staking & Geotechnical	%	5%		\$ 229,000
	Construction Management/Staff	%	10%		\$ 458,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,145,000
SUBTOTAL COST					\$ 5,724,000
CONTINGENCY +				25%	\$ 1,431,000
TOTAL PROJECT					\$ 7,155,000

* All unit prices reflect 2024 cost.

+ Contingency increased to 25% due to major highway conflict

Name	DZ-7				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	420	\$527	\$ 221,000
2	Install 42" RCP	FT	970	\$588	\$ 570,000
3	Install 48" RCP	FT	1,320	\$656	\$ 866,000
4	Manhole	EA	7	\$20,322	\$ 142,000
5	Sawcut and Remove Existing AC Pavement	SF	16,410	\$2.66	\$ 44,000
6	Crushed Miscellaneous Base	SF	16,410	\$4	\$ 66,000
7	Replace Asphalt Concrete Pavement	SF	16,410	\$2	\$ 33,000
8	Traffic Control	%	5%		\$ 97,000
9	Erosion Control	%	1%		\$ 20,000
10	Mobilization/Demobilization	%	10%		\$ 206,000
SUBTOTAL (CONSTRUCTION)					\$ 2,265,000
	Engineering and Design	%	10%		\$ 227,000
	Surveying & Staking & Geotechnical	%	5%		\$ 113,000
	Construction Management/Staff	%	10%		\$ 227,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 567,000
SUBTOTAL COST					\$ 2,832,000
CONTINGENCY				20%	\$ 566,000
TOTAL PROJECT					\$ 3,398,000

* All unit prices reflect 2024 cost.

Name	DZ-8				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 72" RCP	FT	340	\$1,016	\$ 345,000
2	Manhole	EA	1	\$20,322	\$ 20,000
3	Remove 66" RCP	FT	590	\$99	\$ 58,000
4	Sawcut and Remove Existing AC Pavement	SF	2,920	\$2.66	\$ 8,000
5	Crushed Miscellaneous Base	SF	2,920	\$4	\$ 12,000
6	Replace Asphalt Concrete Pavement	SF	2,920	\$2	\$ 6,000
7	Traffic Control	%	5%		\$ 22,000
8	Erosion Control	%	1%		\$ 5,000
9	Mobilization/Demobilization	%	10%		\$ 48,000
SUBTOTAL (CONSTRUCTION)					\$ 476,000
	Engineering and Design	%	10%		\$ 47,600
	Surveying & Staking & Geotechnical	%	5%		\$ 24,000
	Construction Management/Staff	%	10%		\$ 48,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 119,600
SUBTOTAL COST					\$ 595,600
CONTINGENCY +				25%	\$ 149,000
TOTAL PROJECT					\$ 744,600

* All unit prices reflect 2024 cost.

+ Contingency increased to 25% due to major highway conflict

Name	DZ-9				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	550	\$527	\$ 290,000
2	Install 42" RCP	FT	1,470	\$588	\$ 864,000
3	Install 48" RCP	FT	550	\$656	\$ 361,000
4	Manhole	EA	6	\$20,322	\$ 122,000
6	Sawcut and Remove Existing AC Pavement	SF	15,100	\$2.66	\$ 40,000
7	Crushed Miscellaneous Base	SF	15,100	\$4	\$ 60,000
8	Replace Asphalt Concrete Pavement	SF	15,100	\$2	\$ 30,000
9	Traffic Control	%	5%		\$ 88,000
10	Erosion Control	%	1%		\$ 19,000
11	Mobilization/Demobilization	%	10%		\$ 187,000
SUBTOTAL (CONSTRUCTION)					\$ 1,874,000
	Engineering and Design	%	10%		\$ 187,000
	Surveying & Staking & Geotechnical	%	5%		\$ 94,000
	Construction Management/Staff	%	10%		\$ 187,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 468,000
SUBTOTAL COST					\$ 2,342,000
CONTINGENCY					20% \$ 468,000
TOTAL PROJECT					\$ 2,810,000

* All unit prices reflect 2024 cost.

Name	DZ-10				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	340	\$527	\$ 179,000
2	Install 42" RCP	FT	1,320	\$588	\$ 776,000
3	Install 48" RCP	FT	1,350	\$656	\$ 886,000
4	Install 54" RCP	FT	1,390	\$732	\$ 1,017,000
5	Manhole	EA	11	\$20,322	\$ 224,000
6	Sawcut and Remove Existing AC Pavement	SF	27,900	\$2.66	\$ 74,000
7	Crushed Miscellaneous Base	SF	27,900	\$4	\$ 112,000
8	Replace Asphalt Concrete Pavement	SF	27,900	\$2	\$ 56,000
9	Traffic Control	%	5%		\$ 166,000
10	Erosion Control	%	1%		\$ 35,000
11	Mobilization/Demobilization	%	10%		\$ 353,000
SUBTOTAL (CONSTRUCTION)					\$ 3,878,000
	Engineering and Design	%	10%		\$ 388,000
	Surveying & Staking & Geotechnical	%	5%		\$ 194,000
	Construction Management/Staff	%	10%		\$ 388,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 970,000
SUBTOTAL COST					\$ 4,848,000
CONTINGENCY +				25%	\$ 1,212,000
TOTAL PROJECT					\$ 6,060,000

* All unit prices reflect 2024 cost.

+ Contingency increased to 25% due to 12' water main conflict

Name	DZ-11				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 54" RCP	FT	1,370	\$732	\$ 1,003,000
2	Install 60" RCP	FT	1,410	\$816	\$ 1,151,000
3	Manhole	EA	7	\$20,322	\$ 142,000
4	Sawcut and Remove Existing AC Pavement	SF	20,110	\$2.66	\$ 53,000
5	Crushed Miscellaneous Base	SF	20,110	\$4	\$ 80,000
6	Replace Asphalt Concrete Pavement	SF	20,110	\$2	\$ 40,000
7	Traffic Control	%	5%		\$ 123,000
8	Erosion Control	%	1%		\$ 26,000
9	Mobilization/Demobilization	%	10%		\$ 262,000
SUBTOTAL (CONSTRUCTION)					\$ 2,880,000
	Engineering and Design	%	10%		\$ 288,000
	Surveying & Staking & Geotechnical	%	5%		\$ 144,000
	Construction Management/Staff	%	10%		\$ 288,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 720,000
SUBTOTAL COST					\$ 3,600,000
CONTINGENCY +					25% \$ 900,000
TOTAL PROJECT					\$ 4,500,000

* All unit prices reflect 2024 cost.

+ Contingency increased to 25% due to major highway conflict

Name	DZ-11A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	520	\$527	\$ 274,000
2	Install 42" RCP	FT	1,000	\$588	\$ 588,000
3	Install 48" RCP	FT	1,650	\$656	\$ 1,082,000
4	Manhole	EA	8	\$20,322	\$ 163,000
5	Sawcut and Remove Existing AC Pavement	SF	19,240	\$2.66	\$ 51,000
6	Crushed Miscellaneous Base	SF	19,240	\$4	\$ 77,000
7	Replace Asphalt Concrete Pavement	SF	19,240	\$2	\$ 38,000
8	Traffic Control	%	5%		\$ 114,000
9	Erosion Control	%	1%		\$ 24,000
10	Mobilization/Demobilization	%	10%		\$ 241,000
SUBTOTAL (CONSTRUCTION)					\$ 2,652,000
	Engineering and Design	%	10%		\$ 265,000
	Surveying & Staking & Geotechnical	%	5%		\$ 133,000
	Construction Management/Staff	%	10%		\$ 265,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 663,000
SUBTOTAL COST					\$ 3,315,000
CONTINGENCY				20%	\$ 663,000
TOTAL PROJECT					\$ 3,978,000

* All unit prices reflect 2024 cost.

Name	DZ-11B				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	560	\$527	\$ 295,000
2	Install 42" RCP	FT	990	\$588	\$ 582,000
3	Install 48" RCP	FT	1,060	\$656	\$ 695,000
4	Manhole	EA	7	\$20,322	\$ 142,000
5	Remove 24" RCP	FT	1,340	\$35	\$ 47,000
6	Remove 30" RCP	FT	750	\$44	\$ 33,000
7	Sawcut and Remove Existing AC Pavement	SF	15,600	\$2.66	\$ 41,000
8	Crushed Miscellaneous Base	SF	15,600	\$4	\$ 62,000
9	Replace Asphalt Concrete Pavement	SF	15,600	\$2	\$ 31,000
10	Traffic Control	%	5%		\$ 96,000
11	Erosion Control	%	1%		\$ 20,000
12	Mobilization/Demobilization	%	10%		\$ 204,000
SUBTOTAL (CONSTRUCTION)					\$ 2,044,000
	Engineering and Design	%	10%		\$ 204,000
	Surveying & Staking & Geotechnical	%	5%		\$ 102,000
	Construction Management/Staff	%	10%		\$ 204,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 510,000
SUBTOTAL COST					\$ 2,554,000
CONTINGENCY				20%	\$ 511,000
TOTAL PROJECT					\$ 3,065,000

* All unit prices reflect 2024 cost.

Name	DZ-12				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 60" RCP	FT	2,610	\$816	\$ 2,130,000
2	Manhole	EA	7	\$20,322	\$ 142,000
3	Sawcut and Remove Existing AC Pavement	SF	19,580	\$2.66	\$ 52,000
4	Crushed Miscellaneous Base	SF	19,580	\$4	\$ 78,000
5	Replace Asphalt Concrete Pavement	SF	19,580	\$2	\$ 39,000
6	Traffic Control	%	5%		\$ 122,000
7	Erosion Control	%	1%		\$ 26,000
8	Mobilization/Demobilization	%	10%		\$ 259,000
SUBTOTAL (CONSTRUCTION)					\$ 2,848,000
	Engineering and Design	%	10%		\$ 285,000
	Surveying & Staking & Geotechnical	%	5%		\$ 142,000
	Construction Management/Staff	%	10%		\$ 285,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 712,000
SUBTOTAL COST					\$ 3,560,000
CONTINGENCY				20%	\$ 712,000
TOTAL PROJECT					\$ 4,272,000

* All unit prices reflect 2024 cost.

Name	DZ-12A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	450	\$527	\$ 237,000
2	Install 42" RCP	FT	2,020	\$588	\$ 1,188,000
3	Install 48" RCP	FT	650	\$656	\$ 426,000
4	Manhole	EA	8	\$20,322	\$ 163,000
5	Sawcut and Remove Existing AC Pavement	SF	18,440	\$2.66	\$ 49,000
6	Crushed Miscellaneous Base	SF	18,440	\$4	\$ 74,000
7	Replace Asphalt Concrete Pavement	SF	18,440	\$2	\$ 37,000
8	Traffic Control	%	5%		\$ 109,000
9	Erosion Control	%	1%		\$ 23,000
10	Mobilization/Demobilization	%	10%		\$ 231,000
SUBTOTAL (CONSTRUCTION)					\$ 2,537,000
	Engineering and Design	%	10%		\$ 254,000
	Surveying & Staking & Geotechnical	%	5%		\$ 127,000
	Construction Management/Staff	%	10%		\$ 254,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 635,000
SUBTOTAL COST					\$ 3,172,000
CONTINGENCY					20% \$ 634,000
TOTAL PROJECT					\$ 3,806,000

* All unit prices reflect 2024 cost.

Name	DZ-13				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 60" RCP	FT	850	\$816	\$ 694,000
2	Install 66" RCP	FT	1,550	\$911	\$ 1,412,000
3	Install 84" RCP	FT	1,080	\$1,264	\$ 1,365,000
4	Manhole	EA	9	\$20,322	\$ 183,000
5	Remove 48" RCP	FT	1,600	\$71	\$ 114,000
6	Remove 78" RCP	FT	1,050	\$117	\$ 123,000
7	Sawcut and Remove Existing AC Pavement	SF	29,280	\$2.66	\$ 78,000
8	Crushed Miscellaneous Base	SF	29,280	\$4	\$ 117,000
9	Replace Asphalt Concrete Pavement	SF	29,280	\$2	\$ 59,000
10	Traffic Control	%	5%		\$ 207,000
11	Erosion Control	%	1%		\$ 44,000
12	Mobilization/Demobilization	%	10%		\$ 440,000
SUBTOTAL (CONSTRUCTION)					\$ 4,396,000
	Engineering and Design	%	10%		\$ 440,000
	Surveying & Staking & Geotechnical	%	5%		\$ 220,000
	Construction Management/Staff	%	10%		\$ 440,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,100,000
SUBTOTAL COST					\$ 5,496,000
CONTINGENCY +				25%	\$ 1,374,000
TOTAL PROJECT					\$ 6,870,000

* All unit prices reflect 2024 cost.

+ Contingency increased to 25% due to major highway conflict

Name	DZ-14				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 54" RCP	FT	1,310	\$732	\$ 959,000
2	Install 66" RCP	FT	350	\$911	\$ 319,000
3	Install 72" RCP	FT	1,100	\$1,016	\$ 1,118,000
4	Manhole	EA	7	\$20,322	\$ 142,000
5	Remove 48" RCP	FT	1,320	\$71	\$ 94,000
6	Remove 64" RCP	FT	80	\$96	\$ 8,000
7	Sawcut and Remove Existing AC Pavement	SF	21,370	\$2.66	\$ 57,000
8	Crushed Miscellaneous Base	SF	21,370	\$4	\$ 85,000
9	Replace Asphalt Concrete Pavement	SF	21,370	\$2	\$ 43,000
10	Traffic Control	%	5%		\$ 141,000
11	Erosion Control	%	1%		\$ 30,000
12	Mobilization/Demobilization	%	10%		\$ 300,000
SUBTOTAL (CONSTRUCTION)					\$ 2,996,000
	Engineering and Design	%	10%		\$ 300,000
	Surveying & Staking & Geotechnical	%	5%		\$ 150,000
	Construction Management/Staff	%	10%		\$ 300,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 750,000
SUBTOTAL COST					\$ 3,746,000
CONTINGENCY +				25%	\$ 937,000
TOTAL PROJECT					\$ 4,683,000

* All unit prices reflect 2024 cost.

+ Contingency increased to 25% due to major highway conflict

Name	DZ-14A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	530	\$527	\$ 279,000
2	Install 42" RCP	FT	1,000	\$588	\$ 588,000
3	Install 48" RCP	FT	660	\$656	\$ 433,000
4	Manhole	EA	5	\$20,322	\$ 102,000
5	Sawcut and Remove Existing AC Pavement	SF	12,940	\$2.66	\$ 34,000
6	Crushed Miscellaneous Base	SF	12,940	\$4	\$ 52,000
7	Replace Asphalt Concrete Pavement	SF	12,940	\$2	\$ 26,000
8	Traffic Control	%	5%		\$ 76,000
9	Erosion Control	%	1%		\$ 16,000
10	Mobilization/Demobilization	%	10%		\$ 161,000
SUBTOTAL (CONSTRUCTION)					\$ 1,767,000
	Engineering and Design	%	10%		\$ 177,000
	Surveying & Staking & Geotechnical	%	5%		\$ 88,000
	Construction Management/Staff	%	10%		\$ 177,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 442,000
SUBTOTAL COST					\$ 2,209,000
CONTINGENCY				20%	\$ 442,000
TOTAL PROJECT					\$ 2,651,000

* All unit prices reflect 2024 cost.

Name	DZ-15A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	490	\$527	\$ 258,000
2	Install 42" RCP	FT	1,000	\$588	\$ 588,000
3	Install 48" RCP	FT	970	\$656	\$ 636,000
4	Manhole	EA	6	\$20,322	\$ 122,000
5	Sawcut and Remove Existing AC Pavement	SF	14,710	\$2.66	\$ 39,000
6	Crushed Miscellaneous Base	SF	14,710	\$4	\$ 59,000
7	Replace Asphalt Concrete Pavement	SF	14,710	\$2	\$ 29,000
8	Traffic Control	%	5%		\$ 87,000
9	Erosion Control	%	1%		\$ 18,000
10	Mobilization/Demobilization	%	10%		\$ 184,000
SUBTOTAL (CONSTRUCTION)					\$ 2,020,000
	Engineering and Design	%	10%		\$ 202,000
	Surveying & Staking & Geotechnical	%	5%		\$ 101,000
	Construction Management/Staff	%	10%		\$ 202,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 505,000
SUBTOTAL COST					\$ 2,525,000
CONTINGENCY				20%	\$ 505,000
TOTAL PROJECT					\$ 3,030,000

* All unit prices reflect 2024 cost.

Name	DZ-16				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 66" RCP	FT	2,640	\$911	\$ 2,405,000
2	Install Double 66" RCP	FT	1,380	\$1,822	\$ 2,514,000
3	Manhole	EA	10	\$20,322	\$ 203,000
4	Remove 42" RCP	FT	180	\$62	\$ 11,000
5	Remove 60" RCP	FT	1,250	\$89	\$ 111,000
6	Sawcut and Remove Existing AC Pavement	SF	43,430	\$2.66	\$ 116,000
7	Crushed Miscellaneous Base	SF	43,430	\$4	\$ 174,000
8	Replace Asphalt Concrete Pavement	SF	43,430	\$2	\$ 87,000
9	Traffic Control	%	5%		\$ 281,000
10	Erosion Control	%	1%		\$ 59,000
11	Mobilization/Demobilization	%	10%		\$ 596,000
SUBTOTAL (CONSTRUCTION)					\$ 5,961,000
	Engineering and Design	%	10%		\$ 596,000
	Surveying & Staking & Geotechnical	%	5%		\$ 298,000
	Construction Management/Staff	%	10%		\$ 596,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,490,000
SUBTOTAL COST					\$ 7,451,000
CONTINGENCY +				25%	\$ 1,863,000
TOTAL PROJECT					\$ 9,314,000

* All unit prices reflect 2024 cost.

+ Contingency increased to 25% due to major highway conflict

Name	DZ-16A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	420	\$527	\$ 221,000
2	Install 42" RCP	FT	840	\$588	\$ 494,000
3	Install 48" RCP	FT	850	\$656	\$ 558,000
4	Manhole	EA	5	\$20,322	\$ 102,000
5	Sawcut and Remove Existing AC Pavement	SF	12,630	\$2.66	\$ 34,000
6	Crushed Miscellaneous Base	SF	12,630	\$4	\$ 51,000
7	Replace Asphalt Concrete Pavement	SF	12,630	\$2	\$ 25,000
8	Traffic Control	%	5%		\$ 74,000
9	Erosion Control	%	1%		\$ 16,000
10	Mobilization/Demobilization	%	10%		\$ 158,000
SUBTOTAL (CONSTRUCTION)					\$ 1,733,000
	Engineering and Design	%	10%		\$ 173,000
	Surveying & Staking & Geotechnical	%	5%		\$ 87,000
	Construction Management/Staff	%	10%		\$ 173,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 433,000
SUBTOTAL COST					\$ 2,166,000
CONTINGENCY				20%	\$ 433,000
TOTAL PROJECT					\$ 2,599,000

* All unit prices reflect 2024 cost.

Name	JH-1				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 84" RCP	FT	1,380	\$1,264	\$ 1,744,000
2	Manhole	EA	3	\$20,322	\$ 61,000
3	Remove 66" RCP	FT	1,090	\$99	\$ 108,000
4	Remove 78" RCP	FT	290	\$117	\$ 34,000
5	Sawcut and Remove Existing AC Pavement	SF	13,340	\$2.66	\$ 35,000
6	Crushed Miscellaneous Base	SF	13,340	\$4	\$ 53,000
7	Replace Asphalt Concrete Pavement	SF	13,340	\$2	\$ 27,000
8	Traffic Control	%	5%		\$ 103,000
9	Erosion Control	%	1%		\$ 22,000
10	Mobilization/Demobilization	%	10%		\$ 219,000
SUBTOTAL (CONSTRUCTION)					\$ 2,187,000
	Engineering and Design	%	10%		\$ 219,000
	Surveying & Staking & Geotechnical	%	5%		\$ 109,000
	Construction Management/Staff	%	10%		\$ 219,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 547,000
SUBTOTAL COST					\$ 2,734,000
CONTINGENCY					20% \$ 547,000
TOTAL PROJECT					\$ 3,281,000

* All unit prices reflect 2024 cost.

Name	JH-2				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 72" RCP	FT	1,930	\$1,016	\$ 1,961,000
2	Manhole	EA	5	\$20,322	\$ 102,000
3	Remove 69" RCP	FT	1,920	\$103	\$ 198,000
4	Sawcut and Remove Existing AC Pavement	SF	16,570	\$2.66	\$ 44,000
5	Crushed Miscellaneous Base	SF	16,570	\$4	\$ 66,000
6	Replace Asphalt Concrete Pavement	SF	16,570	\$2	\$ 33,000
7	Traffic Control	%	5%		\$ 120,000
8	Erosion Control	%	1%		\$ 25,000
9	Mobilization/Demobilization	%	10%		\$ 255,000
SUBTOTAL (CONSTRUCTION)					\$ 2,549,000
	Engineering and Design	%	10%		\$ 255,000
	Surveying & Staking & Geotechnical	%	5%		\$ 127,000
	Construction Management/Staff	%	10%		\$ 255,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 637,000
SUBTOTAL COST					\$ 3,186,000
CONTINGENCY				20%	\$ 637,000
TOTAL PROJECT					\$ 3,823,000

* All unit prices reflect 2024 cost.

Name	SR-1				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install Double 66" RCP	FT	1,560	\$1,822	\$ 2,842,000
2	Manhole	EA	4	\$20,322	\$ 81,000
3	Remove 54" RCP	FT	1,460	\$80	\$ 117,000
4	Sawcut and Remove Existing AC Pavement	SF	12,550	\$2.66	\$ 33,000
5	Crushed Miscellaneous Base	SF	12,550	\$4	\$ 50,000
6	Replace Asphalt Concrete Pavement	SF	12,550	\$2	\$ 25,000
7	Traffic Control	%	5%		\$ 157,000
8	Erosion Control	%	1%		\$ 33,000
9	Mobilization/Demobilization	%	10%		\$ 334,000
SUBTOTAL (CONSTRUCTION)					\$ 3,338,000
	Engineering and Design	%	10%		\$ 334,000
	Surveying & Staking & Geotechnical	%	5%		\$ 167,000
	Construction Management/Staff	%	10%		\$ 334,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 835,000
SUBTOTAL COST					\$ 4,173,000
CONTINGENCY					20% \$ 835,000
TOTAL PROJECT					\$ 5,008,000

* All unit prices reflect 2024 cost.

Name	SR-2				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 78" RCP	FT	2,570	\$1,133	\$ 2,912,000
2	Install 84" RCP	FT	1,170	\$1,264	\$ 1,479,000
3	Install 14' x 6' RCB	FT	620	\$7,627	\$ 4,729,000
4	Manhole	EA	11	\$20,322	\$ 224,000
5	Remove 84" RCP	FT	580	\$126	\$ 73,000
6	Sawcut and Remove Existing AC Pavement	SF	39,720	\$2.66	\$ 106,000
7	Crushed Miscellaneous Base	SF	39,720	\$4	\$ 159,000
8	Replace Asphalt Concrete Pavement	SF	39,720	\$2	\$ 79,000
9	Traffic Control	%	5%		\$ 488,000
10	Erosion Control	%	1%		\$ 102,000
11	Mobilization/Demobilization	%	10%		\$ 1,035,000
SUBTOTAL (CONSTRUCTION)					\$ 10,351,000
	Engineering and Design	%	10%		\$ 1,035,000
	Surveying & Staking & Geotechnical	%	5%		\$ 518,000
	Construction Management/Staff	%	10%		\$ 1,035,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 2,588,000
SUBTOTAL COST					\$ 12,939,000
CONTINGENCY				20%	\$ 2,588,000
TOTAL PROJECT					\$ 15,527,000

* All unit prices reflect 2024 cost.

Name	SR-3				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 84" RCP	FT	460	\$1,264	\$ 581,000
2	Install 96" RCP	FT	2,260	\$1,572	\$ 3,553,000
3	Manhole	EA	7	\$20,322	\$ 142,000
4	Remove 72" RCP	FT	510	\$108	\$ 55,000
5	Remove 78" RCP	FT	290	\$117	\$ 34,000
6	Remove 84" RCP	FT	560	\$126	\$ 71,000
7	Sawcut and Remove Existing AC Pavement	SF	28,740	\$2.66	\$ 76,000
8	Crushed Miscellaneous Base	SF	28,740	\$4	\$ 115,000
9	Replace Asphalt Concrete Pavement	SF	28,740	\$2	\$ 57,000
10	Traffic Control	%	5%		\$ 234,000
11	Erosion Control	%	1%		\$ 49,000
12	Mobilization/Demobilization	%	10%		\$ 497,000
SUBTOTAL (CONSTRUCTION)					\$ 4,967,000
	Engineering and Design	%	10%		\$ 497,000
	Surveying & Staking & Geotechnical	%	5%		\$ 248,000
	Construction Management/Staff	%	10%		\$ 497,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,242,000
SUBTOTAL COST					\$ 6,209,000
CONTINGENCY					20% \$ 1,242,000
TOTAL PROJECT					\$ 7,451,000

* All unit prices reflect 2024 cost.

Name	SR-4				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 8' x 5' RCB	FT	1,540	\$2,150	\$ 3,311,000
2	Manhole	EA	4	\$20,322	\$ 81,000
3	Remove 66" RCP	FT	1,440	\$99	\$ 143,000
4	Sawcut and Remove Existing AC Pavement	SF	10,780	\$2.66	\$ 29,000
5	Crushed Miscellaneous Base	SF	10,780	\$4	\$ 43,000
6	Replace Asphalt Concrete Pavement	SF	10,780	\$2	\$ 22,000
7	Traffic Control	%	5%		\$ 181,000
8	Erosion Control	%	1%		\$ 38,000
9	Mobilization/Demobilization	%	10%		\$ 385,000
SUBTOTAL (CONSTRUCTION)					\$ 3,848,000
	Engineering and Design	%	10%		\$ 385,000
	Surveying & Staking & Geotechnical	%	5%		\$ 192,000
	Construction Management/Staff	%	10%		\$ 385,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 962,000
SUBTOTAL COST					\$ 4,810,000
CONTINGENCY					20% \$ 962,000
TOTAL PROJECT					\$ 5,772,000

* All unit prices reflect 2024 cost.

Name	SS-5				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 60" RCP	FT	2,150	\$816	\$ 1,754,000
2	Manhole	EA	5	\$20,322	\$ 102,000
3	Remove 42" RCP	FT	2,090	\$62	\$ 130,000
4	Sawcut and Remove Existing AC Pavement	SF	16,130	\$2.66	\$ 43,000
5	Crushed Miscellaneous Base	SF	16,130	\$4	\$ 65,000
6	Replace Asphalt Concrete Pavement	SF	16,130	\$2	\$ 32,000
7	Traffic Control	%	5%		\$ 106,000
8	Erosion Control	%	1%		\$ 22,000
9	Mobilization/Demobilization	%	10%		\$ 225,000
SUBTOTAL (CONSTRUCTION)					\$ 2,254,000
	Engineering and Design	%	10%		\$ 225,000
	Surveying & Staking & Geotechnical	%	5%		\$ 113,000
	Construction Management/Staff	%	10%		\$ 225,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 563,000
SUBTOTAL COST					\$ 2,817,000
CONTINGENCY					20% \$ 563,000
TOTAL PROJECT					\$ 3,380,000

* All unit prices reflect 2024 cost.

Name	SS-6				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 60" RCP	FT	1,240	\$816	\$ 1,012,000
2	Manhole	EA	3	\$20,322	\$ 61,000
3	Remove 42" RCP	FT	920	\$62	\$ 57,000
4	Remove 48" RCP	FT	210	\$71	\$ 15,000
5	Sawcut and Remove Existing AC Pavement	SF	9,300	\$2.66	\$ 25,000
6	Crushed Miscellaneous Base	SF	9,300	\$4	\$ 37,000
7	Replace Asphalt Concrete Pavement	SF	9,300	\$2	\$ 19,000
8	Traffic Control	%	5%		\$ 61,000
9	Erosion Control	%	1%		\$ 13,000
10	Mobilization/Demobilization	%	10%		\$ 130,000
SUBTOTAL (CONSTRUCTION)					\$ 1,300,000
	Engineering and Design	%	10%		\$ 130,000
	Surveying & Staking & Geotechnical	%	5%		\$ 65,000
	Construction Management/Staff	%	10%		\$ 130,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 325,000
SUBTOTAL COST					\$ 1,625,000
CONTINGENCY				20%	\$ 325,000
TOTAL PROJECT					\$ 1,950,000

* All unit prices reflect 2024 cost.

Name	SS-7				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 66" RCP	FT	1,720	\$911	\$ 1,567,000
2	Manhole	EA	4	\$20,322	\$ 81,000
3	Remove 54" RCP	FT	1,210	\$80	\$ 97,000
4	Remove 60" RCP	FT	710	\$89	\$ 63,000
5	Sawcut and Remove Existing AC Pavement	SF	13,830	\$2.66	\$ 37,000
6	Crushed Miscellaneous Base	SF	13,830	\$4	\$ 55,000
7	Replace Asphalt Concrete Pavement	SF	13,830	\$2	\$ 28,000
8	Traffic Control	%	5%		\$ 96,000
9	Erosion Control	%	1%		\$ 20,000
10	Mobilization/Demobilization	%	10%		\$ 204,000
SUBTOTAL (CONSTRUCTION)					\$ 2,044,000
	Engineering and Design	%	10%		\$ 204,000
	Surveying & Staking & Geotechnical	%	5%		\$ 102,000
	Construction Management/Staff	%	10%		\$ 204,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 510,000
SUBTOTAL COST					\$ 2,554,000
CONTINGENCY					20% \$ 511,000
TOTAL PROJECT					\$ 3,065,000

* All unit prices reflect 2024 cost.

Name	SS-8				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	590	\$527	\$ 311,000
2	Install 42" RCP	FT	1,300	\$588	\$ 764,000
3	Install 48" RCP	FT	580	\$656	\$ 380,000
4	Manhole	EA	6	\$20,322	\$ 122,000
5	Sawcut and Remove Existing AC Pavement	SF	14,510	\$2.66	\$ 39,000
6	Crushed Miscellaneous Base	SF	14,510	\$4	\$ 58,000
7	Replace Asphalt Concrete Pavement	SF	14,510	\$2	\$ 29,000
8	Traffic Control	%	5%		\$ 85,000
9	Erosion Control	%	1%		\$ 18,000
10	Mobilization/Demobilization	%	10%		\$ 181,000
SUBTOTAL (CONSTRUCTION)					\$ 1,987,000
	Engineering and Design	%	10%		\$ 199,000
	Surveying & Staking & Geotechnical	%	5%		\$ 99,000
	Construction Management/Staff	%	10%		\$ 199,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 497,000
SUBTOTAL COST					\$ 2,484,000
CONTINGENCY +				25%	\$ 621,000
TOTAL PROJECT					\$ 3,105,000

* All unit prices reflect 2024 cost.

+ Contingency increased to 25% due to major highway conflict

Name	SS-9				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 60" RCP	FT	1,550	\$816	\$ 1,265,000
2	Manhole	EA	4	\$20,322	\$ 81,000
3	Remove 42" RCP	FT	1,470	\$62	\$ 91,000
4	Sawcut and Remove Existing AC Pavement	SF	11,630	\$2.66	\$ 31,000
5	Crushed Miscellaneous Base	SF	11,630	\$4	\$ 47,000
6	Replace Asphalt Concrete Pavement	SF	11,630	\$2	\$ 23,000
7	Traffic Control	%	5%		\$ 77,000
8	Erosion Control	%	1%		\$ 16,000
9	Mobilization/Demobilization	%	10%		\$ 163,000
SUBTOTAL (CONSTRUCTION)					\$ 1,631,000
	Engineering and Design	%	10%		\$ 163,000
	Surveying & Staking & Geotechnical	%	5%		\$ 82,000
	Construction Management/Staff	%	10%		\$ 163,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 408,000
SUBTOTAL COST					\$ 2,039,000
CONTINGENCY					20% \$ 408,000
TOTAL PROJECT					\$ 2,447,000

* All unit prices reflect 2024 cost.

Name	SS-9A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	930	\$527	\$ 490,000
2	Install 42" RCP	FT	480	\$588	\$ 282,000
3	Install 60" RCP	FT	1,220	\$816	\$ 996,000
4	Manhole	EA	7	\$20,322	\$ 142,000
5	Remove 42" RCP	FT	1,290	\$62	\$ 80,000
6	Sawcut and Remove Existing AC Pavement	SF	16,930	\$2.66	\$ 45,000
7	Crushed Miscellaneous Base	SF	16,930	\$4	\$ 68,000
8	Replace Asphalt Concrete Pavement	SF	16,930	\$2	\$ 34,000
9	Traffic Control	%	5%		\$ 107,000
10	Erosion Control	%	1%		\$ 22,000
11	Mobilization/Demobilization	%	10%		\$ 227,000
SUBTOTAL (CONSTRUCTION)					\$ 1,990,000
	Engineering and Design	%	10%		\$ 199,000
	Surveying & Staking & Geotechnical	%	5%		\$ 100,000
	Construction Management/Staff	%	10%		\$ 199,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 498,000
SUBTOTAL COST					\$ 2,488,000
CONTINGENCY				20%	\$ 498,000
TOTAL PROJECT					\$ 2,986,000

* All unit prices reflect 2024 cost.

Name	SS-10				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 66" RCP	FT	820	\$911	\$ 747,000
2	Manhole	EA	2	\$20,322	\$ 41,000
3	Remove 39" RCP	FT	770	\$58	\$ 45,000
4	Sawcut and Remove Existing AC Pavement	SF	6,590	\$2.66	\$ 18,000
5	Crushed Miscellaneous Base	SF	6,590	\$4	\$ 26,000
6	Replace Asphalt Concrete Pavement	SF	6,590	\$2	\$ 13,000
7	Traffic Control	%	5%		\$ 45,000
8	Erosion Control	%	1%		\$ 9,000
9	Mobilization/Demobilization	%	10%		\$ 94,000
SUBTOTAL (CONSTRUCTION)					\$ 944,000
	Engineering and Design	%	10%		\$ 94,000
	Surveying & Staking & Geotechnical	%	5%		\$ 47,000
	Construction Management/Staff	%	10%		\$ 94,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 235,000
SUBTOTAL COST					\$ 1,179,000
CONTINGENCY				20%	\$ 236,000
TOTAL PROJECT					\$ 1,415,000

* All unit prices reflect 2024 cost.

Name	SS-11				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 48" RCP	FT	460	\$656	\$ 302,000
2	Install 60" RCP	FT	1,200	\$816	\$ 979,000
3	Install 66" RCP	FT	620	\$911	\$ 565,000
4	Manhole	EA	6	\$20,322	\$ 122,000
5	Remove 36" RCP	FT	2,270	\$53	\$ 120,000
8	Sawcut and Remove Existing AC Pavement	SF	16,940	\$2.66	\$ 45,000
9	Crushed Miscellaneous Base	SF	16,940	\$4	\$ 68,000
10	Replace Asphalt Concrete Pavement	SF	16,940	\$2	\$ 34,000
11	Traffic Control	%	5%		\$ 112,000
12	Erosion Control	%	1%		\$ 23,000
13	Mobilization/Demobilization	%	10%		\$ 237,000
SUBTOTAL (CONSTRUCTION)					\$ 2,370,000
	Engineering and Design	%	10%		\$ 237,000
	Surveying & Staking & Geotechnical	%	5%		\$ 119,000
	Construction Management/Staff	%	10%		\$ 237,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 593,000
SUBTOTAL COST					\$ 2,963,000
CONTINGENCY				20%	\$ 593,000
TOTAL PROJECT					\$ 3,556,000

* All unit prices reflect 2024 cost.

AOS 3 Capital Project Cost Estimates



Project	Cost
A-0	\$16,438,000.00
A-0A	\$7,220,000.00
A-0B	\$6,091,000.00
A-0C	\$1,391,000.00
A-0D	\$1,259,000.00
A-1	\$2,042,000.00
A-1A	\$1,799,000.00
A-2	\$2,621,000.00
A-2A	\$2,250,000.00
A-3	\$16,535,000.00
A-3A	\$2,359,000.00
A-3B	\$1,996,000.00
A-3C	\$6,606,000.00
A-4	\$1,495,000.00
B-1	\$2,709,000.00
B-2	\$1,648,000.00
B-3	\$911,000.00
B-5	\$2,800,000.00
B-5A	\$4,051,000.00
B-6	\$235,000.00
B-7	\$1,324,000.00
B-8	\$1,886,000.00
C-0	\$7,920,000.00
C-2	\$1,951,000.00
C-4	\$4,225,000.00
C-5	\$2,776,000.00
C-6	\$589,000.00
C-7	\$4,623,000.00
C-8	\$4,228,000.00
C-8A	\$2,633,000.00
C-8B	\$5,795,000.00
C-9	\$12,900,000.00
HR-1	\$4,127,000.00

Name	A-0				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 10' x9' RCB	FT	1,510	\$5,252	\$ 7,931,000
2	Manhole	EA	4	\$20,322	\$ 81,000
3	Remove 12' x 10' RCB	FT	1,510	\$811	\$ 1,225,000
4	Sawcut and Remove Existing AC Pavement	SF	18,120	\$2.66	\$ 48,000
5	Crushed Miscellaneous Base	SF	18,120	\$4	\$ 72,000
6	Replace Asphalt Concrete Pavement	SF	18,120	\$2	\$ 36,000
7	Traffic Control	%	5%		\$ 470,000
8	Erosion Control	%	1%		\$ 99,000
9	Mobilization/Demobilization	%	10%		\$ 996,000
SUBTOTAL (CONSTRUCTION)					\$ 10,958,000
	Engineering and Design	%	10%		\$ 1,096,000
	Surveying & Staking & Geotechnical	%	5%		\$ 548,000
	Construction Management/Staff	%	10%		\$ 1,096,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 2,740,000
SUBTOTAL COST					\$ 13,698,000
CONTINGENCY					20% \$ 2,740,000
TOTAL PROJECT					\$ 16,438,000

* All unit prices reflect 2024 costs.

Name	A-0A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 84" RCP	FT	2,190	\$1,264	\$ 2,768,000
2	Install 90" RCP	FT	580	\$1,409	\$ 817,000
3	Manhole	EA	7	\$20,322	\$ 142,000
4	Sawcut and Remove Existing AC Pavement	SF	27,090	\$2.66	\$ 72,000
5	Crushed Miscellaneous Base	SF	27,090	\$4	\$ 108,000
6	Replace Asphalt Concrete Pavement	SF	27,090	\$2	\$ 54,000
7	Traffic Control	%	5%		\$ 198,000
8	Erosion Control	%	1%		\$ 42,000
9	Mobilization/Demobilization	%	10%		\$ 420,000
SUBTOTAL (CONSTRUCTION)					\$ 4,621,000
	Engineering and Design	%	10%		\$ 462,000
	Surveying & Staking & Geotechnical	%	5%		\$ 231,000
	Construction Management/Staff	%	10%		\$ 462,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,155,000
SUBTOTAL COST					\$ 5,776,000
CONTINGENCY +				25%	\$ 1,444,000
TOTAL PROJECT					\$ 7,220,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to SCG transmisson line conflict

Name	A-0B	100			
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 78" RCP	FT	780	\$1,133	\$ 884,000
2	Install 84" RCP	FT	1,790	\$1,264	\$ 2,263,000
3	Manhole	EA	6	\$20,322	\$ 122,000
4	Sawcut and Remove Existing AC Pavement	SF	24,420	\$2.66	\$ 65,000
5	Crushed Miscellaneous Base	SF	24,420	\$4	\$ 98,000
6	Replace Asphalt Concrete Pavement	SF	24,420	\$2	\$ 49,000
7	Traffic Control	%	5%		\$ 174,000
8	Erosion Control	%	1%		\$ 37,000
9	Mobilization/Demobilization	%	10%		\$ 369,000
SUBTOTAL (CONSTRUCTION)					\$ 4,061,000
	Engineering and Design	%	10%		\$ 406,000
	Surveying & Staking & Geotechnical	%	5%		\$ 203,000
	Construction Management/Staff	%	10%		\$ 406,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,015,000
SUBTOTAL COST					\$ 5,076,000
CONTINGENCY					20% \$ 1,015,000
TOTAL PROJECT					\$ 6,091,000

* All unit prices reflect 2024 costs.

Name	A-0C				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	1,280	\$527	\$ 675,000
2	Manhole	EA	3	\$20,322	\$ 61,000
3	Sawcut and Remove Existing AC Pavement	SF	6,830	\$2.66	\$ 18,000
4	Crushed Miscellaneous Base	SF	6,830	\$4	\$ 27,000
5	Replace Asphalt Concrete Pavement	SF	6,830	\$2	\$ 14,000
6	Traffic Control	%	5%		\$ 40,000
7	Erosion Control	%	1%		\$ 8,000
8	Mobilization/Demobilization	%	10%		\$ 84,000
SUBTOTAL (CONSTRUCTION)					\$ 927,000
	Engineering and Design	%	10%		\$ 93,000
	Surveying & Staking & Geotechnical	%	5%		\$ 46,000
	Construction Management/Staff	%	10%		\$ 93,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 232,000
SUBTOTAL COST					\$ 1,159,000
CONTINGENCY					20% \$ 232,000
TOTAL PROJECT					\$ 1,391,000

* All unit prices reflect 2024 costs.

Name	A-0D				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	480	\$527	\$ 253,000
2	Install 48" RCP	FT	550	\$656	\$ 361,000
3	Manhole	EA	3	\$20,322	\$ 61,000
4	Sawcut and Remove Existing AC Pavement	SF	5,790	\$2.66	\$ 15,000
5	Crushed Miscellaneous Base	SF	5,790	\$4	\$ 23,000
6	Replace Asphalt Concrete Pavement	SF	5,790	\$2	\$ 12,000
7	Traffic Control	%	5%		\$ 36,000
8	Erosion Control	%	1%		\$ 38,000
9	Mobilization/Demobilization	%	10%		\$ 40,000
SUBTOTAL (CONSTRUCTION)					\$ 839,000
	Engineering and Design	%	10%		\$ 84,000
	Surveying & Staking & Geotechnical	%	5%		\$ 42,000
	Construction Management/Staff	%	10%		\$ 84,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 210,000
SUBTOTAL COST					\$ 1,049,000
CONTINGENCY					20% \$ 210,000
TOTAL PROJECT					\$ 1,259,000

* All unit prices reflect 2024 costs.

Name	A-1				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	670	\$527	\$ 353,000
2	Install 42" RCP	FT	1,100	\$588	\$ 647,000
3	Manhole	EA	4	\$20,322	\$ 81,000
4	Sawcut and Remove Existing AC Pavement	SF	10,040	\$2.66	\$ 27,000
5	Crushed Miscellaneous Base	SF	10,040	\$4	\$ 40,000
6	Replace Asphalt Concrete Pavement	SF	10,040	\$2	\$ 20,000
7	Traffic Control	%	5%		\$ 58,000
8	Erosion Control	%	1%		\$ 12,000
9	Mobilization/Demobilization	%	10%		\$ 124,000
SUBTOTAL (CONSTRUCTION)					\$ 1,362,000
	Engineering and Design	%	10%		\$ 136,000
	Surveying & Staking & Geotechnical	%	5%		\$ 68,000
	Construction Management/Staff	%	10%		\$ 136,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 340,000
SUBTOTAL COST					\$ 1,702,000
CONTINGENCY					20% \$ 340,000
TOTAL PROJECT					\$ 2,042,000

* All unit prices reflect 2024 costs.

Name	A-1A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	800	\$527	\$ 422,000
2	Install 48" RCP	FT	690	\$656	\$ 453,000
3	Manhole	EA	4	\$20,322	\$ 81,000
4	Sawcut and Remove Existing AC Pavement	SF	8,320	\$2.66	\$ 22,000
5	Crushed Miscellaneous Base	SF	8,320	\$4	\$ 33,000
6	Replace Asphalt Concrete Pavement	SF	8,320	\$2	\$ 17,000
7	Traffic Control	%	5%		\$ 51,000
8	Erosion Control	%	1%		\$ 11,000
9	Mobilization/Demobilization	%	10%		\$ 109,000
SUBTOTAL (CONSTRUCTION)					\$ 1,199,000
	Engineering and Design	%	10%		\$ 120,000
	Surveying & Staking & Geotechnical	%	5%		\$ 60,000
	Construction Management/Staff	%	10%		\$ 120,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 300,000
SUBTOTAL COST					\$ 1,499,000
CONTINGENCY					20% \$ 300,000
TOTAL PROJECT					\$ 1,799,000

* All unit prices reflect 2024 costs.

Name	A-2				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	890	\$527	\$ 469,000
2	Install 54" RCP	FT	1,130	\$732	\$ 827,000
3	Manhole	EA	5	\$20,322	\$ 102,000
4	Sawcut and Remove Existing AC Pavement	SF	11,390	\$2.66	\$ 30,000
5	Crushed Miscellaneous Base	SF	11,390	\$4	\$ 46,000
6	Replace Asphalt Concrete Pavement	SF	11,390	\$2	\$ 23,000
7	Traffic Control	%	5%		\$ 75,000
8	Erosion Control	%	1%		\$ 16,000
9	Mobilization/Demobilization	%	10%		\$ 159,000
SUBTOTAL (CONSTRUCTION)					\$ 1,747,000
	Engineering and Design	%	10%		\$ 175,000
	Surveying & Staking & Geotechnical	%	5%		\$ 87,000
	Construction Management/Staff	%	10%		\$ 175,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 437,000
SUBTOTAL COST					\$ 2,184,000
CONTINGENCY					20% \$ 437,000
TOTAL PROJECT					\$ 2,621,000

* All unit prices reflect 2024 costs.

Name	A-2A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	850	\$527	\$ 448,000
2	Install 42" RCP	FT	120	\$588	\$ 71,000
3	Install 48" RCP	FT	870	\$656	\$ 571,000
4	Manhole	EA	5	\$20,322	\$ 102,000
5	Sawcut and Remove Existing AC Pavement	SF	10,820	\$2.66	\$ 29,000
6	Crushed Miscellaneous Base	SF	10,820	\$4	\$ 43,000
7	Replace Asphalt Concrete Pavement	SF	10,820	\$2	\$ 22,000
8	Traffic Control	%	5%		\$ 64,000
9	Erosion Control	%	1%		\$ 14,000
10	Mobilization/Demobilization	%	10%		\$ 136,000
SUBTOTAL (CONSTRUCTION)					\$ 1,500,000
	Engineering and Design	%	10%		\$ 150,000
	Surveying & Staking & Geotechnical	%	5%		\$ 75,000
	Construction Management/Staff	%	10%		\$ 150,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 375,000
SUBTOTAL COST					\$ 1,875,000
CONTINGENCY				20%	\$ 375,000
TOTAL PROJECT					\$ 2,250,000

* All unit prices reflect 2024 costs.

Name	A-3				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 90" RCP	FT	4,950	\$1,409	\$ 6,975,000
2	Install 96" RCP	FT	1,240	\$1,572	\$ 1,949,000
3	Manhole	EA	15	\$20,322	\$ 305,000
4	Sawcut and Remove Existing AC Pavement	SF	25,380	\$2.66	\$ 68,000
5	Crushed Miscellaneous Base	SF	25,380	\$4	\$ 102,000
6	Replace Asphalt Concrete Pavement	SF	25,380	\$2	\$ 51,000
7	Traffic Control	%	5%		\$ 473,000
8	Erosion Control	%	1%		\$ 99,000
9	Mobilization/Demobilization	%	10%		\$ 1,002,000
SUBTOTAL (CONSTRUCTION)					\$ 11,024,000
	Engineering and Design	%	10%		\$ 1,102,000
	Surveying & Staking & Geotechnical	%	5%		\$ 551,000
	Construction Management/Staff	%	10%		\$ 1,102,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 2,755,000
SUBTOTAL COST					\$ 13,779,000
CONTINGENCY				20%	\$ 2,756,000
TOTAL PROJECT					\$ 16,535,000

* All unit prices reflect 2024 costs.

Name	A-3A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	670	\$527	\$ 353,000
2	Install 42" RCP	FT	1,350	\$588	\$ 794,000
3	Manhole	EA	5	\$20,322	\$ 102,000
4	Sawcut and Remove Existing AC Pavement	SF	11,500	\$2.66	\$ 31,000
5	Crushed Miscellaneous Base	SF	11,500	\$4	\$ 46,000
6	Replace Asphalt Concrete Pavement	SF	11,500	\$2	\$ 23,000
7	Traffic Control	%	5%		\$ 67,000
8	Erosion Control	%	1%		\$ 14,000
9	Mobilization/Demobilization	%	10%		\$ 143,000
SUBTOTAL (CONSTRUCTION)					\$ 1,573,000
	Engineering and Design	%	10%		\$ 157,000
	Surveying & Staking & Geotechnical	%	5%		\$ 79,000
	Construction Management/Staff	%	10%		\$ 157,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 393,000
SUBTOTAL COST					\$ 1,966,000
CONTINGENCY					20% \$ 393,000
TOTAL PROJECT					\$ 2,359,000

* All unit prices reflect 2024 costs.

Name	A-3B				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 96" RCP	FT	660	\$1,572	\$ 1,038,000
2	Manhole	EA	2	\$20,322	\$ 41,000
3	Sawcut and Remove Existing AC Pavement	SF	7,100	\$2.66	\$ 19,000
4	Crushed Miscellaneous Base	SF	7,100	\$4	\$ 28,000
5	Replace Asphalt Concrete Pavement	SF	7,100	\$2	\$ 14,000
6	Traffic Control	%	5%		\$ 57,000
7	Erosion Control	%	1%		\$ 12,000
8	Mobilization/Demobilization	%	10%		\$ 121,000
SUBTOTAL (CONSTRUCTION)					\$ 1,330,000
	Engineering and Design	%	10%		\$ 133,000
	Surveying & Staking & Geotechnical	%	5%		\$ 67,000
	Construction Management/Staff	%	10%		\$ 133,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 333,000
SUBTOTAL COST					\$ 1,663,000
CONTINGENCY					20% \$ 333,000
TOTAL PROJECT					\$ 1,996,000

* All unit prices reflect 2024 costs.

Name	A-3C				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 66" RCP	FT	3,510	\$911	\$ 3,198,000
2	Manhole	EA	9	\$20,322	\$ 183,000
3	Sawcut and Remove Existing AC Pavement	SF	28,230	\$2.66	\$ 75,000
4	Crushed Miscellaneous Base	SF	28,230	\$4	\$ 113,000
5	Replace Asphalt Concrete Pavement	SF	28,230	\$2	\$ 56,000
6	Traffic Control	%	5%		\$ 181,000
7	Erosion Control	%	1%		\$ 38,000
8	Mobilization/Demobilization	%	10%		\$ 384,000
SUBTOTAL (CONSTRUCTION)					\$ 4,228,000
	Engineering and Design	%	10%		\$ 423,000
	Surveying & Staking & Geotechnical	%	5%		\$ 211,000
	Construction Management/Staff	%	10%		\$ 423,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,057,000
SUBTOTAL COST					\$ 5,285,000
CONTINGENCY +				25%	\$ 1,321,000
TOTAL PROJECT					\$ 6,606,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to SCG transmission line conflict

Name	A-4				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	670	\$527	\$ 353,000
2	Install 42" RCP	FT	640	\$588	\$ 376,000
3	Manhole	EA	3	\$20,322	\$ 61,000
4	Sawcut and Remove Existing AC Pavement	SF	7,330	\$2.66	\$ 19,000
5	Crushed Miscellaneous Base	SF	7,330	\$4	\$ 29,000
6	Replace Asphalt Concrete Pavement	SF	7,330	\$2	\$ 15,000
7	Traffic Control	%	5%		\$ 43,000
8	Erosion Control	%	1%		\$ 9,000
9	Mobilization/Demobilization	%	10%		\$ 91,000
SUBTOTAL (CONSTRUCTION)					\$ 996,000
	Engineering and Design	%	10%		\$ 100,000
	Surveying & Staking & Geotechnical	%	5%		\$ 50,000
	Construction Management/Staff	%	10%		\$ 100,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 250,000
SUBTOTAL COST					\$ 1,246,000
CONTINGENCY					20% \$ 249,000
TOTAL PROJECT					\$ 1,495,000

* All unit prices reflect 2024 costs.

Name	B-1				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	410	\$527	\$ 216,000
2	Install 42" RCP	FT	870	\$588	\$ 512,000
3	Install 42" RCP	FT	110	\$588	\$ 65,000
4	Install 54" RCP	FT	560	\$732	\$ 410,000
5	Install 54" RCP	FT	100	\$732	\$ 73,000
6	Manhole	EA	5	\$20,322	\$ 102,000
7	Sawcut and Remove Existing AC Pavement	SF	12,540	\$2.66	\$ 33,000
8	Crushed Miscellaneous Base	SF	12,540	\$4	\$ 50,000
9	Replace Asphalt Concrete Pavement	SF	12,540	\$2	\$ 25,000
10	Traffic Control	%	5%		\$ 74,000
11	Erosion Control	%	1%		\$ 16,000
12	Mobilization/Demobilization	%	10%		\$ 158,000
SUBTOTAL (CONSTRUCTION)					\$ 1,734,000
	Engineering and Design	%	10%		\$ 173,000
	Surveying & Staking & Geotechnical	%	5%		\$ 87,000
	Construction Management/Staff	%	10%		\$ 173,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 433,000
SUBTOTAL COST					\$ 2,167,000
CONTINGENCY +				25%	\$ 542,000
TOTAL PROJECT					\$ 2,709,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	B-2				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 48" RCP	FT	1,150	\$656	\$ 754,000
2	Manhole	EA	3	\$20,322	\$ 61,000
3	Remove 36" RCP	FT	1,150	\$53	\$ 61,000
4	Sawcut and Remove Existing AC Pavement	SF	7,380	\$2.66	\$ 20,000
5	Crushed Miscellaneous Base	SF	7,380	\$4	\$ 30,000
6	Replace Asphalt Concrete Pavement	SF	7,380	\$2	\$ 15,000
7	Traffic Control	%	5%		\$ 47,000
8	Erosion Control	%	1%		\$ 10,000
9	Mobilization/Demobilization	%	10%		\$ 100,000
SUBTOTAL (CONSTRUCTION)					\$ 1,098,000
	Engineering and Design	%	10%		\$ 110,000
	Surveying & Staking & Geotechnical	%	5%		\$ 55,000
	Construction Management/Staff	%	10%		\$ 110,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 275,000
SUBTOTAL COST					\$ 1,373,000
CONTINGENCY					20% \$ 275,000
TOTAL PROJECT					\$ 1,648,000

* All unit prices reflect 2024 costs.

Name	B-3				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	400	\$527	\$ 211,000
2	Install 42" RCP	FT	360	\$588	\$ 212,000
3	Manhole	EA	2	\$20,322	\$ 41,000
4	Sawcut and Remove Existing AC Pavement	SF	4,250	\$2.66	\$ 11,000
5	Crushed Miscellaneous Base	SF	4,250	\$4	\$ 17,000
6	Replace Asphalt Concrete Pavement	SF	4,250	\$2	\$ 9,000
7	Traffic Control	%	5%		\$ 25,000
8	Erosion Control	%	1%		\$ 5,000
9	Mobilization/Demobilization	%	10%		\$ 53,000
SUBTOTAL (CONSTRUCTION)					\$ 584,000
	Engineering and Design	%	10%		\$ 58,400
	Surveying & Staking & Geotechnical	%	5%		\$ 29,000
	Construction Management/Staff	%	10%		\$ 58,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 145,000
SUBTOTAL COST					\$ 729,000
CONTINGENCY +				25%	\$ 182,000
TOTAL PROJECT					\$ 911,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to SCG transmisson line conflict

Name	B-5				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 72" RCP	FT	1,240	\$1,016	\$ 1,260,000
2	Manhole	EA	3	\$20,322	\$ 61,000
3	Remove 66" RCP	FT	1,240	\$99	\$ 123,000
4	Sawcut and Remove Existing AC Pavement	SF	10,640	\$2.66	\$ 28,000
5	Crushed Miscellaneous Base	SF	10,640	\$4	\$ 43,000
6	Replace Asphalt Concrete Pavement	SF	10,640	\$2	\$ 21,000
7	Traffic Control	%	5%		\$ 77,000
8	Erosion Control	%	1%		\$ 16,000
9	Mobilization/Demobilization	%	10%		\$ 163,000
SUBTOTAL (CONSTRUCTION)					\$ 1,792,000
	Engineering and Design	%	10%		\$ 179,000
	Surveying & Staking & Geotechnical	%	5%		\$ 90,000
	Construction Management/Staff	%	10%		\$ 179,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 448,000
SUBTOTAL COST					\$ 2,240,000
CONTINGENCY +				25%	\$ 560,000
TOTAL PROJECT					\$ 2,800,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to 12' water main and SCG transmisson line conflict

Name	B-5A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	660	\$527	\$ 348,000
2	Install 42" RCP	FT	1,050	\$588	\$ 617,000
3	Install 48" RCP	FT	1,550	\$656	\$ 1,017,000
4	Manhole	EA	8	\$20,322	\$ 163,000
5	Sawcut and Remove Existing AC Pavement	SF	19,630	\$2.66	\$ 52,000
6	Crushed Miscellaneous Base	SF	19,630	\$4	\$ 79,000
7	Replace Asphalt Concrete Pavement	SF	19,630	\$2	\$ 39,000
8	Traffic Control	%	5%		\$ 116,000
9	Erosion Control	%	1%		\$ 24,000
10	Mobilization/Demobilization	%	10%		\$ 246,000
SUBTOTAL (CONSTRUCTION)					\$ 2,701,000
	Engineering and Design	%	10%		\$ 270,000
	Surveying & Staking & Geotechnical	%	5%		\$ 135,000
	Construction Management/Staff	%	10%		\$ 270,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 675,000
SUBTOTAL COST					\$ 3,376,000
CONTINGENCY				20%	\$ 675,000
TOTAL PROJECT					\$ 4,051,000

* All unit prices reflect 2024 costs.

Name	B-6				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	200	\$527	\$ 105,000
2	Manhole	EA	1	\$20,322	\$ 20,000
3	Sawcut and Remove Existing AC Pavement	SF	1,070	\$2.66	\$ 3,000
4	Crushed Miscellaneous Base	SF	1,070	\$4	\$ 4,000
5	Replace Asphalt Concrete Pavement	SF	1,070	\$2	\$ 2,000
6	Traffic Control	%	5%		\$ 7,000
7	Erosion Control	%	1%		\$ 1,000
8	Mobilization/Demobilization	%	10%		\$ 14,000
SUBTOTAL (CONSTRUCTION)					\$ 156,000
	Engineering and Design	%	10%		\$ 15,600
	Surveying & Staking & Geotechnical	%	5%		\$ 8,000
	Construction Management/Staff	%	10%		\$ 16,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 40,000
SUBTOTAL COST					\$ 196,000
CONTINGENCY					20% \$ 39,000
TOTAL PROJECT					\$ 235,000

* All unit prices reflect 2024 costs.

Name	B-7				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	500	\$527	\$ 264,000
2	Install 42" RCP	FT	640	\$588	\$ 376,000
3	Manhole	EA	3	\$20,322	\$ 61,000
4	Sawcut and Remove Existing AC Pavement	SF	6,430	\$2.66	\$ 17,000
5	Crushed Miscellaneous Base	SF	6,430	\$4	\$ 26,000
6	Replace Asphalt Concrete Pavement	SF	6,430	\$2	\$ 13,000
7	Traffic Control	%	5%		\$ 38,000
8	Erosion Control	%	1%		\$ 8,000
9	Mobilization/Demobilization	%	10%		\$ 80,000
SUBTOTAL (CONSTRUCTION)					\$ 883,000
	Engineering and Design	%	10%		\$ 88,000
	Surveying & Staking & Geotechnical	%	5%		\$ 44,000
	Construction Management/Staff	%	10%		\$ 88,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 220,000
SUBTOTAL COST					\$ 1,103,000
CONTINGENCY					20% \$ 221,000
TOTAL PROJECT					\$ 1,324,000

* All unit prices reflect 2024 costs.

Name	B-8				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	520	\$527	\$ 274,000
2	Install 48" RCP	FT	990	\$656	\$ 649,000
3	Manhole	EA	4	\$20,322	\$ 81,000
4	Sawcut and Remove Existing AC Pavement	SF	8,590	\$2.66	\$ 23,000
5	Crushed Miscellaneous Base	SF	8,590	\$4	\$ 34,000
6	Replace Asphalt Concrete Pavement	SF	8,590	\$2	\$ 17,000
7	Traffic Control	%	5%		\$ 54,000
8	Erosion Control	%	1%		\$ 11,000
9	Mobilization/Demobilization	%	10%		\$ 114,000
SUBTOTAL (CONSTRUCTION)					\$ 1,257,000
	Engineering and Design	%	10%		\$ 126,000
	Surveying & Staking & Geotechnical	%	5%		\$ 63,000
	Construction Management/Staff	%	10%		\$ 126,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 315,000
SUBTOTAL COST					\$ 1,572,000
CONTINGENCY					20% \$ 314,000
TOTAL PROJECT					\$ 1,886,000

* All unit prices reflect 2024 costs.

Name	C-0				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 60" RCP	FT	1,300	\$816	\$ 1,061,000
2	Install 72" RCP	FT	2,590	\$1,016	\$ 2,631,000
3	Manhole	EA	10	\$20,322	\$ 203,000
4	Remove 60" RCP	FT	3,030	\$89	\$ 270,000
5	Remove 66" RCP	FT	850	\$99	\$ 84,000
6	Sawcut and Remove Existing AC Pavement	SF	31,980	\$2.66	\$ 85,000
7	Crushed Miscellaneous Base	SF	31,980	\$4	\$ 128,000
8	Replace Asphalt Concrete Pavement	SF	31,980	\$2	\$ 64,000
9	Traffic Control	%	5%		\$ 226,000
10	Erosion Control	%	1%		\$ 48,000
11	Mobilization/Demobilization	%	10%		\$ 480,000
SUBTOTAL (CONSTRUCTION)					\$ 5,280,000
	Engineering and Design	%	10%		\$ 528,000
	Surveying & Staking & Geotechnical	%	5%		\$ 264,000
	Construction Management/Staff	%	10%		\$ 528,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,320,000
SUBTOTAL COST					\$ 6,600,000
CONTINGENCY				20%	\$ 1,320,000
TOTAL PROJECT					\$ 7,920,000

* All unit prices reflect 2024 costs.

Name	C-2				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 66" RCP	FT	430	\$911	\$ 392,000
2	Install 72" RCP	FT	520	\$1,016	\$ 528,000
3	Manhole	EA	2	\$20,322	\$ 41,000
4	Remove 60" RCP	FT	950	\$89	\$ 85,000
5	Sawcut and Remove Existing AC Pavement	SF	7,920	\$2.66	\$ 21,000
6	Crushed Miscellaneous Base	SF	7,920	\$4	\$ 32,000
7	Replace Asphalt Concrete Pavement	SF	7,920	\$2	\$ 16,000
8	Traffic Control	%	5%		\$ 56,000
9	Erosion Control	%	1%		\$ 12,000
10	Mobilization/Demobilization	%	10%		\$ 118,000
SUBTOTAL (CONSTRUCTION)					\$ 1,301,000
	Engineering and Design	%	10%		\$ 130,000
	Surveying & Staking & Geotechnical	%	5%		\$ 65,000
	Construction Management/Staff	%	10%		\$ 130,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 325,000
SUBTOTAL COST					\$ 1,626,000
CONTINGENCY					20% \$ 325,000
TOTAL PROJECT					\$ 1,951,000

* All unit prices reflect 2024 costs.

Name	C-4				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 60" RCP	FT	1,210	\$816	\$ 987,000
2	Install 66" RCP	FT	400	\$911	\$ 364,000
3	Install 72" RCP	FT	630	\$1,016	\$ 640,000
4	Manhole	EA	6	\$20,322	\$ 122,000
5	Remove 42" RCP	FT	1,240	\$62	\$ 77,000
6	Remove 54" RCP	FT	890	\$80	\$ 71,000
7	Sawcut and Remove Existing AC Pavement	SF	17,700	\$2.66	\$ 47,000
8	Crushed Miscellaneous Base	SF	17,700	\$4	\$ 71,000
9	Replace Asphalt Concrete Pavement	SF	17,700	\$2	\$ 35,000
10	Traffic Control	%	5%		\$ 121,000
11	Erosion Control	%	1%		\$ 25,000
12	Mobilization/Demobilization	%	10%		\$ 256,000
SUBTOTAL (CONSTRUCTION)					\$ 2,816,000
	Engineering and Design	%	10%		\$ 282,000
	Surveying & Staking & Geotechnical	%	5%		\$ 141,000
	Construction Management/Staff	%	10%		\$ 282,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 705,000
SUBTOTAL COST					\$ 3,521,000
CONTINGENCY				20%	\$ 704,000
TOTAL PROJECT					\$ 4,225,000

* All unit prices reflect 2024 costs.

Name	C-5				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 60" RCP	FT	1,600	\$816	\$ 1,306,000
2	Manhole	EA	4	\$20,322	\$ 81,000
3	Remove 42" RCP	FT	1,540	\$62	\$ 95,000
4	Sawcut and Remove Existing AC Pavement	SF	12,000	\$2.66	\$ 32,000
5	Crushed Miscellaneous Base	SF	12,000	\$4	\$ 48,000
6	Replace Asphalt Concrete Pavement	SF	12,000	\$2	\$ 24,000
7	Traffic Control	%	5%		\$ 79,000
8	Erosion Control	%	1%		\$ 17,000
9	Mobilization/Demobilization	%	10%		\$ 168,000
SUBTOTAL (CONSTRUCTION)					\$ 1,850,000
	Engineering and Design	%	10%		\$ 185,000
	Surveying & Staking & Geotechnical	%	5%		\$ 93,000
	Construction Management/Staff	%	10%		\$ 185,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 463,000
SUBTOTAL COST					\$ 2,313,000
CONTINGENCY					20% \$ 463,000
TOTAL PROJECT					\$ 2,776,000

* All unit prices reflect 2024 costs.

Name	C-6				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 42" RCP	FT	450	\$588	\$ 265,000
2	Manhole	EA	1	\$20,322	\$ 20,000
3	Remove 36" RCP	FT	520	\$53	\$ 28,000
4	Sawcut and Remove Existing AC Pavement	SF	2,640	\$2.66	\$ 7,000
5	Crushed Miscellaneous Base	SF	2,640	\$4	\$ 11,000
6	Replace Asphalt Concrete Pavement	SF	2,640	\$2	\$ 5,000
7	Traffic Control	%	5%		\$ 17,000
8	Erosion Control	%	1%		\$ 4,000
9	Mobilization/Demobilization	%	10%		\$ 36,000
SUBTOTAL (CONSTRUCTION)					\$ 393,000
	Engineering and Design	%	10%		\$ 39,300
	Surveying & Staking & Geotechnical	%	5%		\$ 20,000
	Construction Management/Staff	%	10%		\$ 39,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 98,000
SUBTOTAL COST					\$ 491,000
CONTINGENCY					20% \$ 98,000
TOTAL PROJECT					\$ 589,000

* All unit prices reflect 2024 costs.

Name	C-7				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 72" RCP	FT	2,060	\$1,016	\$ 2,093,000
2	Manhole	EA	5	\$20,322	\$ 102,000
3	Remove 60" RCP	FT	1,470	\$89	\$ 131,000
4	Remove 66" RCP	FT	570	\$99	\$ 56,000
5	Sawcut and Remove Existing AC Pavement	SF	17,680	\$2.66	\$ 47,000
6	Crushed Miscellaneous Base	SF	17,680	\$4	\$ 71,000
7	Replace Asphalt Concrete Pavement	SF	17,680	\$2	\$ 35,000
8	Traffic Control	%	5%		\$ 127,000
9	Erosion Control	%	1%		\$ 27,000
10	Mobilization/Demobilization	%	10%		\$ 269,000
SUBTOTAL (CONSTRUCTION)					\$ 2,958,000
	Engineering and Design	%	10%		\$ 296,000
	Surveying & Staking & Geotechnical	%	5%		\$ 148,000
	Construction Management/Staff	%	10%		\$ 296,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 740,000
SUBTOTAL COST					\$ 3,698,000
CONTINGENCY +				25%	\$ 925,000
TOTAL PROJECT					\$ 4,623,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to 12' water main and SCG transmisson line conflict

Name	C-8				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 78" RCP	FT	1,830	\$1,133	\$ 2,073,000
2	Manhole	EA	5	\$20,322	\$ 102,000
3	Sawcut and Remove Existing AC Pavement	SF	16,700	\$2.66	\$ 44,000
4	Crushed Miscellaneous Base	SF	16,700	\$4	\$ 67,000
5	Replace Asphalt Concrete Pavement	SF	16,700	\$2	\$ 33,000
6	Traffic Control	%	5%		\$ 116,000
7	Erosion Control	%	1%		\$ 24,000
8	Mobilization/Demobilization	%	10%		\$ 246,000
SUBTOTAL (CONSTRUCTION)					\$ 2,705,000
	Engineering and Design	%	10%		\$ 271,000
	Surveying & Staking & Geotechnical	%	5%		\$ 135,000
	Construction Management/Staff	%	10%		\$ 271,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 677,000
SUBTOTAL COST					\$ 3,382,000
CONTINGENCY +				25%	\$ 846,000
TOTAL PROJECT					\$ 4,228,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	C-8A				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	1,330	\$527	\$ 701,000
2	Manhole	EA	3	\$20,322	\$ 61,000
3	Sawcut and Remove Existing AC Pavement	SF	7,090	\$2.66	\$ 19,000
4	Crushed Miscellaneous Base	SF	7,090	\$4	\$ 28,000
5	Replace Asphalt Concrete Pavement	SF	7,090	\$2	\$ 14,000
6	Traffic Control	%	5%		\$ 41,000
7	Erosion Control	%	1%		\$ 9,000
8	Mobilization/Demobilization	%	10%		\$ 87,000
SUBTOTAL (CONSTRUCTION)					\$ 960,000
	Engineering and Design	%	10%		\$ 1,002,000
	Surveying & Staking & Geotechnical	%	5%		\$ 48,000
	Construction Management/Staff	%	10%		\$ 96,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 1,146,000
SUBTOTAL COST					\$ 2,106,000
CONTINGENCY +				25%	\$ 527,000
TOTAL PROJECT					\$ 2,633,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	C-8B				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 36" RCP	FT	660	\$527	\$ 348,000
2	Install 42" RCP	FT	1,080	\$588	\$ 635,000
3	Install 48" RCP	FT	1,450	\$656	\$ 951,000
4	Install 54" RCP	FT	1,080	\$732	\$ 791,000
5	Manhole	EA	11	\$20,322	\$ 224,000
6	Sawcut and Remove Existing AC Pavement	SF	26,680	\$2.66	\$ 71,000
7	Crushed Miscellaneous Base	SF	26,680	\$4	\$ 107,000
8	Replace Asphalt Concrete Pavement	SF	26,680	\$2	\$ 53,000
9	Traffic Control	%	5%		\$ 159,000
10	Erosion Control	%	1%		\$ 33,000
11	Mobilization/Demobilization	%	10%		\$ 337,000
SUBTOTAL (CONSTRUCTION)					\$ 3,709,000
	Engineering and Design	%	10%		\$ 371,000
	Surveying & Staking & Geotechnical	%	5%		\$ 185,000
	Construction Management/Staff	%	10%		\$ 371,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 927,000
SUBTOTAL COST					\$ 4,636,000
CONTINGENCY +				25%	\$ 1,159,000
TOTAL PROJECT					\$ 5,795,000

* All unit prices reflect 2024 costs.

+ Contingency increased to 25% due to major highway conflict

Name	C-9				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 12' x 9' RCB	FT	920	\$7,251	\$ 6,671,000
2	Manhole	EA	2	\$20,322	\$ 41,000
3	Remove 12' x 9' RCB	FT	790	\$725	\$ 573,000
4	Sawcut and Remove Existing AC Pavement	SF	10,120	\$2.66	\$ 27,000
5	Crushed Miscellaneous Base	SF	10,120	\$4	\$ 40,000
6	Replace Asphalt Concrete Pavement	SF	10,120	\$2	\$ 20,000
7	Traffic Control	%	5%		\$ 369,000
8	Erosion Control	%	1%		\$ 77,000
9	Mobilization/Demobilization	%	10%		\$ 782,000
SUBTOTAL (CONSTRUCTION)					\$ 8,600,000
	Engineering and Design	%	10%		\$ 860,000
	Surveying & Staking & Geotechnical	%	5%		\$ 430,000
	Construction Management/Staff	%	10%		\$ 860,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 2,150,000
SUBTOTAL COST					\$ 10,750,000
CONTINGENCY					20% \$ 2,150,000
TOTAL PROJECT					\$ 12,900,000

* All unit prices reflect 2024 costs.

Name	HR-1				
Item No.	Item Description	Project Total			
		Units	Quantities	Unit Price *	Item Total
1	Install 96" RCP	FT	1,380	\$1,572	\$ 2,169,000
2	Manhole	EA	3	\$20,322	\$ 61,000
3	Sawcut and Remove Existing AC Pavement	SF	14,840	\$2.66	\$ 39,000
4	Crushed Miscellaneous Base	SF	14,840	\$4	\$ 59,000
5	Replace Asphalt Concrete Pavement	SF	14,840	\$2	\$ 30,000
6	Traffic Control	%	5%		\$ 118,000
7	Erosion Control	%	1%		\$ 25,000
8	Mobilization/Demobilization	%	10%		\$ 250,000
SUBTOTAL (CONSTRUCTION)					\$ 2,751,000
	Engineering and Design	%	10%		\$ 275,000
	Surveying & Staking & Geotechnical	%	5%		\$ 138,000
	Construction Management/Staff	%	10%		\$ 275,000
SUBTOTAL (ENGINEERING AND CONSTRUCTION ADMINISTRATION)					\$ 688,000
SUBTOTAL COST					\$ 3,439,000
CONTINGENCY				20%	\$ 688,000
TOTAL PROJECT					\$ 4,127,000

* All unit prices reflect 2024 costs.