



Proposal for The City of Rialto

Submitted by



Storm Drain Improvement Plans for Baseline Road Line D

June 17, 2025

**FOR CITY OF RIALTO
CONSTRUCTION MANAGEMENT, INSPECTION AND
MATERIALS TESTING SERVICES**

**Rialto Storm Drain Improvement Plans for Baseline Road Line D
COST PROPOSAL – June 17, 2025**

	Project Time Needed	Pre-construction Phase	Construction Phase (480 Working Days)	Post Construction Phase	Total Hours	Billing Rate	Total
Construction Inspector	100%	200	3,840	400	4,440	\$ 160.00	\$ 710,400.00
Construction Inspector - Overtime	10%	-	384	1	384	\$ 240.00	\$ 92,160.00
Construction Inspector	100%	100	3,840	200	4,140	\$ 160.00	\$ 662,400.00
Construction Inspector - Overtime	10%	-	384	-	384	\$ 240.00	\$ 92,160.00
Public Relations	40%	200	1,440	1,640	3,280	\$ 118.00	\$ 387,040.00
Labor Compliance	20%	100	650	100	850	\$ 118.00	\$ 100,300.00
Construction Manager/ Resident Engineer	50%	400	1,920	400	2,720	\$ 175.00	\$ 476,000.00
Project Manager	25%	100	960	100	1,160	\$ 195.00	\$ 226,200.00

Subtotal Construction Management: \$ 2,746,660.00

Subconsultants	Services	Total
Ninyo & Moore	Materials Testing	\$205,495.00
Graphics Designer		\$23,500.00
Minuteman Press	Printing and Posters	\$3,500.00
Walkingman Service	Physical Distribution	\$1,600.00
Constant Contact	Marketing Eblast System	\$1,000.00
VoiceNation	Dedicated 800#	\$1,800.00
Textedly	Dedicated Text Service	\$1,000.00
Project Events	Refreshments, Event Equipment & Material	\$6,000.00
Office Supplies		\$3,000.00

Subtotal Subconsultants: \$ 246,895.00

Total Cost \$ 2,993,555.00

Limitations & Conditions:

1. Construction duration is estimated at 480 working days.
2. Inspectors will be fully equipped with vehicles, computers, tools, and equipment required to perform their tasks.
3. Overtime and weekend work is not included. Overtime is to be charged at 1.5 the above rate for inspection work only.
4. Cost proposal is subject to prevailing wage rates and prevailing wage rate changes for inspection.

Table 1 - Breakdown of Estimated Fee**Field Services****Field Technician**

Trench Backfill - Observations & Density Testing	800 hours @ \$ 130.00 /hour	\$ 104,000.00
Subgrade/Aggr. Base - Observations & Density Testing	160 hours @ \$ 130.00 /hour	\$ 20,800.00
Asphalt Concrete - Observations & Density Testing	80 hours @ \$ 130.00 /hour	\$ 10,400.00
Concrete - Sampling and Testing	48 hours @ \$ 130.00 /hour	\$ 6,240.00
Subtotal		\$ 141,440.00

Laboratory Analysis**Trench Backfill, Subgrade and Aggregate Base Materials**

Proctor Density D 1557, D 698	10 tests @ \$ 220.00 /test	\$ 2,200.00
Sand Equivalent, D 2419, CT 217	4 tests @ \$ 125.00 /test	\$ 500.00
Sieve Analysis, D 422, CT 202	4 tests @ \$ 145.00 /test	\$ 580.00
Durability Index, CT 229	2 tests @ \$ 175.00 /test	\$ 350.00
R-Value, D 2844, CT301	2 tests @ \$ 375.00 /test	\$ 750.00

AC Materials

Hveem Stability and Unit Weight, D 1560, CT 366	5 tests @ \$ 225.00 /test	\$ 1,125.00
Extraction, % Asphalt, incl. Gradation, D 2172, CT 382	5 tests @ \$ 250.00 /test	\$ 1,250.00

Concrete Materials

Compressive Strength, C39	30 tests @ \$ 35.00 /test	\$ 1,050.00
Subtotal		\$ 7,805.00

Reimbursables

Field Vehicle Usage	1,088 hours @ \$ 15.00 /hour	\$ 16,320.00
Field Equipment Usage	1,088 hours @ \$ 15.00 /hour	\$ 16,320.00
Subtotal		\$ 32,640.00

Project Coordination, Management and Technical Support (including 4 meetings)

Principal Engineer/Geologist/Environmental Scientist	8 hours @ \$ 250.00 /hour	\$ 2,000.00
Project Engineer/Geologist/Environmental Scientist	60 hours @ \$ 210.00 /hour	\$ 12,600.00
Field Operations Manager	8 hours @ \$ 150.00 /hour	\$ 1,200.00
Geotechnical Assistant (Dispatcher)	20 hours @ \$ 120.00 /hour	\$ 2,400.00
Subtotal		\$ 18,200.00

Report Preparation

Principal Engineer/Geologist/Environmental Scientist	2 hours @ \$ 250.00 /hour	\$ 500.00
Project Engineer/Geologist/Environmental Scientist	10 hours @ \$ 210.00 /hour	\$ 2,100.00
CAD Operator/Technical Illustrator	16 hours @ \$ 140.00 /hour	\$ 2,240.00
Data Processor	6 hours @ \$ 95.00 /hour	\$ 570.00
Subtotal		\$ 5,410.00

TOTAL ESTIMATED FEE	\$ 205,495.00
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Schedule of Fees

Hourly Charges for Personnel

Professional Staff

Principal Engineer/Geologist/Environmental Scientist/Certified Industrial Hygienist	\$ 250
Senior Engineer/Geologist/Environmental Scientist	\$ 235
Senior Project Engineer/Geologist/Environmental Scientist	\$ 220
Project Engineer/Geologist/Environmental Scientist	\$ 210
Senior Staff Engineer/Geologist/Environmental Scientist	\$ 200
Staff Engineer/Geologist/Environmental Scientist	\$ 180
GIS Analyst	\$ 160
Technical Illustrator/CAD Operator	\$ 140

Field Staff

Certified Asbestos/Lead Technician	\$ 220
Field Operations Manager	\$ 150
Nondestructive Examination Technician (UT, MT, LP)	\$ 145
Supervisory Technician	\$ 140
Special Inspector (Concrete, Masonry, Structural Steel, Welding, and Fireproofing)	\$ 135
Senior Technician	\$ 135
Technician	\$ 130

Administrative Staff

Information Specialist	\$ 120
Geotechnical/Environmental/Laboratory Assistant	\$ 120
Data Processor	\$ 95

Other Charges

Concrete Coring Equipment (includes technician)	\$ 190/hr
Anchor Load Test Equipment (includes technician)	\$ 190/hr
GPR Equipment	\$ 180/hr
State of California Prevailing Wage Surcharge	\$ 30/hr
Inclinometer	\$ 100/hr
Hand Auger Equipment	\$ 80/hr
Rebar Locator (Pachometer)	\$ 25/hr
Vapor Emission Kit	\$ 65/kit
Nuclear Density Gauge	\$ 15/hr
X-Ray Fluorescence	\$ 70/hr
PID/FID	\$ 25/hr
Air Sampling Pump	\$ 10/hr
Field Vehicle	\$ 15/hr
Equipment	\$ 15/hr
Expert Witness Testimony	\$ 450/hr
Direct Expenses	Cost plus 15 %
Special equipment charges will be provided upon request.	

Notes

Our field services, are charged at a 4-hour minimum, and 8-hour minimum for hours exceeding 4 hours. Overtime rates at 1.5 times the regular rates will be charged for work performed in excess of 8 hours in one day Monday through Friday and all day on Saturday. Rates at twice the regular rates will be charged for all work in excess of 12 hours in one day, all day Sunday and on holidays.

Field services that may be subject to prevailing wage in accordance with AB 1768 and Prevailing Wage Determinations, will be subject to a prevailing wage surcharge as shown in our Schedule of Fees. Our rates will be adjusted in conjunction with the increase in the Prevailing Wage Determination during the life of the project, as applicable.

The terms and conditions are included in Ninyo & Moore's Work Authorization and Agreement form.

Schedule of Fees for Laboratory Testing

SOILS

Atterberg Limits, D 4318, CT 204	\$ 170
California Bearing Ratio (CBR), D 1883	\$ 550
Chloride and Sulfate Content, CT 417 & CT 422	\$ 175
Consolidation, D 2435, CT 219	\$ 300
Consolidation, Hydro-Collapse only, D 2435	\$ 150
Consolidation – Time Rate, D 2435, CT 219	\$ 200
Direct Shear – Remolded, D 3080	\$ 350
Direct Shear – Undisturbed, D 3080	\$ 300
Durability Index, CT 229	\$ 175
Expansion Index, D 4829, IBC 18-3	\$ 190
Expansion Potential (Method A), D 4546	\$ 170
Geofabric Tensile and Elongation Test, D 4632	\$ 200
Hydraulic Conductivity, D 5084	\$ 350
Hydrometer Analysis, D 6913, CT 203	\$ 220
Moisture, Ash, & Organic Matter of Peat/Organic Soils	\$ 120
Moisture Only, D 2216, CT 226	\$ 35
Moisture and Density, D 2937	\$ 45
Permeability, CH, D 2434, CT 220	\$ 300
pH and Resistivity, CT 643	\$ 175
Proctor Density D1557, D 698, CT 216, AASHTO T-180	\$ 220
Proctor Density with Rock Correction D 1557	\$ 340
R-value, D 2844, CT 301	\$ 375
Sand Equivalent, D 2419, CT 217	\$ 125
Sieve Analysis, D 6913, CT 202	\$ 145
Sieve Analysis, 200 Wash, D 1140, CT 202	\$ 100
Specific Gravity, D 854	\$ 125
Thermal Resistivity (ASTM 5334, IEEE 442)	\$ 925
Triaxial Shear, C.D, D 4767, T 297	\$ 550
Triaxial Shear, C.U., w/pore pressure, D 4767, T 2297 per pt	\$ 450
Triaxial Shear, C.U., w/o pore pressure, D 4767, T 2297 per pt	\$ 350
Triaxial Shear, U.U., D 2850	\$ 250
Unconfined Compression, D 2166, T 208	\$ 180

MASONRY

Brick Absorption, 24-hour submersion, 5-hr boiling, 7-day, C 67	\$ 70
Brick Compression Test, C 67	\$ 55
Brick Efflorescence, C 67	\$ 55
Brick Modulus of Rupture, C 67	\$ 50
Brick Moisture as received, C 67	\$ 45
Brick Saturation Coefficient, C 67	\$ 60
Concrete Block Compression Test, 8x8x16, C 140	\$ 70
Concrete Block Conformance Package, C 90	\$ 500
Concrete Block Linear Shrinkage, C 426	\$ 200
Concrete Block Unit Weight and Absorption, C 140	\$ 70
Cores, Compression or Shear Bond, CA Code	\$ 70
Masonry Grout, 3x3x6 prism compression, C 39	\$ 45
Masonry Mortar, 2x2 cube compression, C 109	\$ 35
Masonry Prism, half size, compression, C 1019	\$ 120
Masonry Prism, Full size, compression, C 1019	\$ 200

REINFORCING AND STRUCTURAL STEEL

Chemical Analysis, A 36, A 615	\$ 135
Fireproofing Density Test, UBC 7-6	\$ 90
Hardness Test, Rockwell, A 370	\$ 80
High Strength Bolt, Nut & Washer Conformance, per assembly, A 325	\$ 150
Mechanically Spliced Reinforcing Tensile Test, ACI	\$ 175
Pre-Stress Strand (7 wire), A 416	\$ 170
Reinforcing Tensile or Bend up to No. 11, A 615 & A 706	\$ 75
Structural Steel Tensile Test: Up to 200,000 lbs., A 370	\$ 90
Welded Reinforcing Tensile Test: Up to No. 11 bars, ACI	\$ 80

CONCRETE

Compression Tests, 6x12 Cylinder, C 39	\$ 35
Concrete Mix Design Review, Job Spec	\$ 300
Concrete Mix Design, per Trial Batch, 6 cylinder, ACI	\$ 850
Concrete Cores, Compression (excludes sampling), C 42	\$ 120
Drying Shrinkage, C 157	\$ 400
Flexural Test, C 78	\$ 85
Flexural Test, C 293	\$ 85
Flexural Test, CT 523	\$ 95
Gunite/Shotcrete, Panels, 3 cut cores per panel and test, ACI	\$ 275
Lightweight Concrete Fill, Compression, C 495	\$ 80
Petrographic Analysis, C 856	\$ 2,000
Restrained Expansion of Shrinkage Compensation	\$ 450
Splitting Tensile Strength, C 496	\$ 100
3x6 Grout, (CLSM), C 39	\$ 55
2x2x2 Non-Shrink Grout, C 109	\$ 55

ASPHALT

Air Voids, T 269	\$ 85
Asphalt Mix Design, Caltrans (incl. Aggregate Quality)	\$ 4,500
Asphalt Mix Design Review, Job Spec	\$ 180
Dust Proportioning, CT LP-4	\$ 85
Extraction, % Asphalt, including Gradation, D 2172, CT 382	\$ 250
Extraction, % Asphalt without Gradation, D 2172, CT 382	\$ 150
Film Stripping, CT 302	\$ 120
Hveem Stability and Unit Weight D 1560, T 246, CT 366	\$ 225
Marshall Stability, Flow and Unit Weight, T 245	\$ 240
Maximum Theoretical Unit Weight, D 2041, CT 309	\$ 150
Moisture Content, CT 370	\$ 95
Moisture Susceptibility and Tensile Stress Ratio, T 238, CT 371	\$ 1,000
Slurry Wet Track Abrasion, D 3910	\$ 150
Superpave, Asphalt Mix Verification (incl. Aggregate Quality)	\$ 4,900
Superpave, Gyration Unit Wt., T 312	\$ 100
Superpave, Hamburg Wheel, 20,000 passes, T 324	\$ 1,000
Unit Weight sample or core, D 2726, CT 308	\$ 100
Voids in Mineral Aggregate, (VMA) CT LP-2	\$ 90
Voids filled with Asphalt, (VFA) CT LP-3	\$ 90
Wax Density, D 1188	\$ 140

AGGREGATES

Clay Lumps and Friable Particles, C 142	\$ 180
Cleaness Value, CT 227	\$ 180
Crushed Particles, CT 205	\$ 175
Durability, Coarse or Fine, CT 229	\$ 205
Fine Aggregate Angularity, ASTM C 1252, T 304, CT 234	\$ 180
Flat and Elongated Particle, D 4791	\$ 220
Lightweight Particles, C 123	\$ 180
Los Angeles Abrasion, C 131 or C 535	\$ 200
Material Finer than No. 200 Sieve by Washing, C 117	\$ 90
Organic Impurities, C 40	\$ 90
Potential Alkali Reactivity, Mortar Bar Method, Coarse, C 1260	\$ 1,250
Potential Alkali Reactivity, Mortar Bar Method, Fine, C 1260	\$ 950
Potential Reactivity of Aggregate (Chemical Method), C 289	\$ 475
Sand Equivalent, T 176, CT 217	\$ 125
Sieve Analysis, Coarse Aggregate, T 27, C 136	\$ 120
Sieve Analysis, Fine Aggregate (including wash), T 27, C 136	\$ 145
Sodium Sulfate Soundness, C 88	\$ 450
Specific Gravity and Absorption, Coarse, C 127, CT 206	\$ 115
Specific Gravity and Absorption, Fine, C 128, CT 207	\$ 175

ROOFING

Roofing Tile Absorption, (set of 5), C 67	\$ 250
Roofing Tile Strength Test, (set of 5), C 67	\$ 250

Special preparation of standard test specimens will be charged at the technician's hourly rate.
Ninyo & Moore is accredited to perform the AASHTO equivalent of many ASTM test procedures.



7950 Cherry Avenue, Suite 103
Fontana, California 92336
909.730.4913
www.fountainheadcorp.com

