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Santa Barbara County Flood Control and Water Conservation District

130 E. Victoria Street, Suite 200, Santa Barbara, CA 93101

PH (805) 568-3440 FAX (805) 568-3434

<http://cosb.countyofsb.org/pwd/water>

CHRIS SNEDDON
Director

WALTER RUBALCAVA
Deputy Director

Notice to Proceed for Task Order No.

DATE	PROJECT NAME	PREPARED BY

CONTRACTOR INFORMATION	
Attention:	
Company Name:	
Address:	
City, State, Zip:	

NTP SCOPE

PROJECT SUMMARY	
Board Contract No.:	
Task Order No.:	
DIR No.:	
Subject:	
Work Start Date:	
Work Completion Date:	
Not-to-exceed amount for Scope of Work:	\$833,918 plus 10% contingency for a total NTE amount of \$917,310
Scope of Work:	

CONTRACTOR ACCEPTANCE AND SIGNATURE

This notice to proceed (NTP) may be subject to termination by the County of Santa Barbara Flood Control and Water Conservation District (County) at the County’s discretion. This NTP may also be modified as needed by the County if additional work is needed.

Payment for services and reimbursement for costs will be made in accordance with the above listed Board Contract Agreement.

_____		_____	
CONTRACTOR NAME		AUTHORIZED CONTRACTOR SIGNATURE	
_____		_____	
TITLE		DATE	

SANTA BARBARA COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT APPROVAL

_____			_____		
FLOOD CONTROL STAFF - AUTHORIZED SIGNER		TITLE	DATE		
_____			_____		
ACCOUNTING APPROVAL		TITLE	DATE		
_____			_____		
FUND (FLOOD ZONE)	PROGRAM	LIACCT	PROJECT	ACTIVITY	AREA



COVER LETTER

December 29, 2025

W.O. 252703

Tom Conti, P.E.

Santa Barbara County Flood Control & Water Conservation District
130 E. Victoria Street, Santa Barbara, CA 93101

SUBJECT: PROPOSAL FOR LOWER MISSION CREEK REACH 4

CONSTRUCTION MANAGEMENT, INSPECTION & TESTING SERVICES

Dear Tom,

Thank you for the opportunity to submit our proposal to perform Construction Management, Inspection, & Testing (CMIT) services for the County of Santa Barbara County Flood Control and Water Conservation District's (Flood Control) Lower Mission Creek Flood Control Project Reach 4 (Project). Filippin Engineering (FE) and its staff have completed projects of similar scope and are well qualified to assist with all aspects of the project.

We recently provided Constructability Review services for the Project and are well versed in Flood Control's goals and the challenges of the Project.

We understand FE's services would be procured as a Task Order under Board Contract BC 24-295 *Indefinite Delivery-Indefinite Quantity "As Needed" Construction Engineering Services*.

Below are FE's proposed scope of services and estimated fee to complete the work. We are flexible in working with Flood Control to meet the specific needs that may arise.

Very truly yours,

Paul Henderson, CCM, CPEng

Vice President

(805) 729-0041 |

paul@fecivil.com

354-D S. Fairview Ave., Goleta, CA 93117



1. PROJECT UNDERSTANDING

The Lower Mission Creek Flood Control Project – Reach 4 is a complex urban flood control improvement located between Gutierrez Street and Haley Street in the City of Santa Barbara. The Project includes demolition of existing structures and sheet pile transition walls, construction of approximately 882 linear feet of new soldier pile retaining walls using 30- and 36-inch cast-in-drilled-hole piles, channel grading and earthwork, installation of rock slope protection and in-stream features, protection of existing utilities and facilities, and restoration of adjacent private parcels and landscaped areas. The work is to be completed within 210 working days and has an estimated construction value of approximately \$10 million. We understand the successful Contractor would start work in Spring of 2026.

Construction will occur within an active creek channel and a highly constrained urban environment, requiring careful sequencing, traffic control, and coordination with adjacent properties and infrastructure. The project is subject to extensive environmental permitting and mitigation requirements, including biological and archeological monitoring, which will be provided by the District.

Successful delivery will depend on disciplined construction management, rigorous quality control of all aspects of the construction, and close coordination with regulatory agencies, Flood Control staff, and the public. A key challenge will be managing the Temporary Construction Easement (TCE) agreements, which FE has significant experience with.



Successfully completed Lower Mission Creek Reach 1A-2 project



2. CMIT TEAM

Detailed below is the team proposed to successfully deliver Lower Mission Creek Flood Control Project – Reach 4. Each team member is well-qualified and was included in the submitted statement of qualifications for the RFQ: submitted statement of qualifications for the RFQ: *Indefinite Delivery-Indefinite Quantity "As Needed" Construction Services*, which was submitted on 04/25/2025. Resumes for all proposed staff are included in our original statement of qualifications.

TASK ORDER MANAGER



PAUL HENDERSON, CPENG, CCM, PRINCIPAL IN CHARGE & TASK ORDER MANAGER
OFFICE LOCATION: SAN LUIS OBISPO

Paul Henderson, FE's Vice President and Principal Construction Manager based in our San Luis Obispo office, brings over 20 years of experience in civil engineering and construction management. A civil engineer and Certified Construction Manager, Paul has led complex public infrastructure projects across the U.S., Australia, and New Zealand, with expertise spanning drainage and flood control infrastructure, roadways, utilities, and bridges. He has provided engineering and construction management services in California for the past eight years.

Paul's experience includes managing storm damage repair projects for the City of San Luis Obispo and Cal Poly SLO along Brizzolara Creek, Stenner Creek, and Prefumo Creek, requiring compliance with fish passage and environmental permitting requirements. Prior to relocating to California, he served as program manager for the replacement of 20 storm-damaged bridges in Australia, demonstrating his ability to manage multi-project programs in sensitive environments.

As Task Order Manager, Paul will lead the CMIT team, manage the consultant scope of services, ensure quality deliverables, and maintain budget and schedule control to support the District's successful delivery of the project.

CONSTRUCTION MANAGER



RAUL ESTRADA, CONSTRUCTION MANAGER
OFFICE LOCATION: GOLETA

Raul Estrada, Construction Manager at FE's Goleta office, brings over 15 years of civil and construction management experience, specializing in flood control type projects. With a bachelor's degree in civil engineering from Cal Poly San Luis Obispo and certifications as a Public Works Inspector and Asphalt Inspector, Raul has extensive expertise in managing and inspecting large-scale infrastructure projects.

Raul's notable projects include serving as Resident Engineer for the District's recent Cold Springs Debris Basin and Cieneguitas Channel Repair projects. Additional recent projects include Anapamu Bridge Replacement, Marsh Street Bridge Replacement and the soon to be complete Traffic Way Bridge Replacement in Arroyo Grande. As the Construction Manager Raul will be responsible for managing the day-to-day tasks of the CM team, including subconsultants. Raul will be the District's main point of contact and is highly responsive. Raul will partner with District staff to ensure all environmental, schedule, budget and quality goals are met.

Raul will ensure the project is delivered in accordance with the Construction Contract, including plans, specifications, standards and the permits listed in the Construction Bid INFORMATION HANDOUT 1.



ASSISTANT RESIDENT ENGINEER



JAVIER LICON, ASSISTANT RESIDENT ENGINEER

OFFICE LOCATION: GOLETA

Javier Licon, Senior Inspector at FE's Goleta office, has over 21 years of experience in public works construction. His extensive background includes working on municipal projects such as bridges, water and sewer pipelines, underground utilities, drainage structures, and pavement maintenance.

Javier has demonstrated exceptional skills in inspecting complex projects. Notable projects include the Santa Monica Debris Basin Operational Improvements and the 2023 Storm Damage and Cleanup Emergency Work. His duties include inspection, project coordination, and ensuring compliance with safety and quality standards.

Javier's hands-on experience as a former foreman for Toro Construction has equipped him with the practical knowledge necessary to effectively resolve field conflicts and communicate with designers and agency staff. His comprehensive understanding of construction and engineering details makes him an invaluable asset to the District's infrastructure projects.

Javier will be instrumental in onsite coordination with the Contractor, Flood Control, TCE Agreement holders, and the public. Javier will be the 'eyes and ears' for the Construction Management team, and Flood Control Staff. Javier's rigorous documentation of construction activities, and ability to forecast potential issues, will keep the project on track for successful completion.

PROJECT ENGINEER



KESLER JOHNSON, ASSISTANT RESIDENT ENGINEER

OFFICE LOCATION: GOLETA

Kesler Johnson, a Project Engineer at FE's Goleta office, is an accomplished and results-oriented professional with extensive experience in transportation and infrastructure projects, including recently working for Caltrans D5 in Santa Barbara. Kesler is skilled in key competencies such as project management, contract administration, inspection, and compliance and has successfully contributed to the planning, execution, and inspection of major infrastructure improvements. Known for her strong problem-solving abilities and a proactive approach to project challenges, Kesler is committed to delivering efficient and effective solutions that support the District's goals. Kesler will support the team with document control, contract administration and as needed inspection support.

LABOR COMPLIANCE



CHERIL MAGALLANES, OFFICE ENGINEER/LABOR COMPLIANCE OFFICER

OFFICE LOCATION: GOLETA

Cheril Magallanes, Labor Compliance Officer and Office Engineer at FE's Goleta office, brings over 20 years of experience in professional administrative roles, publicly funded projects. Cheril excels in labor compliance, and contract administration per the LAPM. Cheril will also support contract administration tasks, if needed.

Cheril handles critical Labor Compliance tasks to ensure the Contractor is meeting obligations with both CA DIR requirements and the Community Workforce Agreement. Her meticulous attention to detail and organizational skills have been pivotal in the success of numerous Flood Control projects. Some of her notable projects include the Cold Springs Debris Basin in Montecito, the Santa Maria River Pilot Channel and the Marsh Street Bridge Replacement in San Luis Obispo. Cheril's ability to maintain thorough documentation make her an invaluable asset to the Reach 4 Project.



MATERIALS TESTING AND SPECIAL INSPECTIONS

N|V|5 NV5, Inc. (NV5) is a nationally recognized consulting firm with deep roots in California, offering comprehensive geotechnical engineering, construction materials testing, and infrastructure support solutions. With over 5,000 employees and a legacy dating back to 1959, NV5's Ventura office specializes in serving public agencies, including the City of Santa Barbara, Santa Barbara County, Caltrans District 5, and other central construction agencies. NV5 has successfully completed materials testing and inspection services on more than 45 public works projects for Santa Barbara County in the past five years, as well as quality assurance and inspection services for Caltrans District 5 and other regional agencies. Their laboratory is certified by Caltrans, AASHTO, AMRL, CCRL, DSA, HCAI, and the US Army Corps of Engineers, ensuring the highest standards of quality and compliance.

NV5's multidisciplinary team delivers innovative solutions for public infrastructure, integrating geotechnical design, environmental consulting, and construction inspection to help agencies achieve their public infrastructure goals.

NV5's subconsultant proposal is included in **Appendix C – NV5 Proposal**.



3. SCOPE OF WORK

Detailed below are the proposed scope of services based on our understanding of the Project. We would welcome the opportunity to discuss and amend the scope and fee estimate if needed. We have broken our services down into three separate Tasks based on the phasing of CMIT services: Pre-Construction, Construction, and Post-Construction. Our estimated fee includes the anticipated duration of each of these Tasks. FE's approach to delivering CMIT services is detailed in our submitted statement of qualifications for the RFQ: *Indefinite Delivery-Indefinite Quantity "As Needed" Construction Services*.

PRE-CONSTRUCTION SERVICES

The FE team believes pre-construction tasks are crucial in familiarizing ourselves with all project constraints, critical items, and unusual conditions. Before the start of construction, the FE team will perform the following:

PRE-CONSTRUCTION PHASE SCOPE

- Review of contract documents and RE pending file
- Establishment of administration control system
- Coordination meeting with the Design Engineer and District Staff
- Review of specific TCE requirements
- Pre-construction meeting and distribution of meeting minutes
- Establishment of communication procedure
- Pre-construction condition documentation
- Setup of contract administration platform (BridgeDoc preferred, CMIS if requested and provided by Flood Control)

PRE-CONSTRUCTION PHASE DELIVERABLES

- » Notice to proceed for the Contractor
- » Review of Contractor's submittal list
- » Pre-construction meeting minutes
- » Pre-construction condition documentation

CONSTRUCTION SERVICES

FE's construction management staff are capable of fully managing a project without active oversight and have successfully delivered services on many state and federally funded projects. As Construction Managers, we will be responsible for the construction contract administration and construction engineering, including the technical and administrative control of all project elements and quality assurance of the Contractor's work. Our Construction Managers are knowledgeable of, and able to apply, the pertinent standards and specifications and other state and federal requirements for construction projects, including the latest Buy America requirements and DBE requirements (note DBE requirements are unlikely to be included at this time). CM duties will include those listed below and duties required to fulfill the construction management role for the project's duration, until the project paperwork is finalized and approved. Although the Project does not have state funding, or Caltrans oversight, we follow the guides and procedures of Caltrans as this is the industry standard for complex public works projects in CA, ensuring detailed and complete documentation is provided.

CONSTRUCTION PHASE SCOPE FOR CONSTRUCTION MANAGEMENT

- Construction management plan development and execution
- Project communication and coordination
- Monitoring of and compliance with schedules
- Drafting and negotiation of change orders
- Contract documentation procedures establishment and maintenance
- Progress reporting and recordkeeping
- Maintenance of request for information (RFI) and submittal logs, including reviewing and routing as necessary and preparing responses and submittals
- Review and processing of progress pay estimates
- Research of and response to notices of potential claims
- Cost request bulletins and associated backup for negotiation of changes
- Weekly statement of working days
- Project communication with stakeholders
- Collaboration with Design Engineer and District staff
- Compliance with plans, specifications, and permits
- Claim avoidance, review, and resolution
- Chairing of pre-construction and weekly meetings
- Final inspection and recommend acceptance
- Preparation of quantity sheets and source documents for work-for-pay requests
- Verification of materials testing certifications
- Progress meetings
- SWPPP and permit compliance monitoring



- Review and management of all contractor correspondence, preparation of responses, coordination
- Material substitution requests
- Coordination with contracted surveyors and material testing
- RE Weekly Reports

FE's Construction Inspectors have successfully delivered inspection services on many local, state and federally funded projects and are experienced in all pertinent Caltrans standards and specifications and other state and federal requirements for construction projects. Our inspectors are excellent communicators, not only with contractor staff and the construction management team, but also with Flood Control Staff and the general public. The on-site inspector will be responsible for supporting construction contract administration and monitoring daily work activities. Their duties will include those listed below and other duties required to fulfill their role for the project's duration, until the project paperwork is finalized and approved.

CONSTRUCTION PHASE SCOPE FOR CONSTRUCTION INSPECTION

- Construction observation/inspection
- Photographic documentation
- Quality assurance
- Conflict and field issue identification
- Daily inspection reports
- Quantity verification
- Labor, material and equipment verification
- Extra work/contract change order (CCO) diary of work
- Materials testing coordination per quality assurance plan
- Monthly quantity sheets for progress payments
- Punchlist for final inspection
- Safety and public relations
- Maintenance of field record drawings
- Request and review of material certifications
- Review of bid sheet quantities for accuracy
- Traffic control and public safety
- Close coordination with RE
- Labor compliance

During the project's construction phase, our team will perform the services listed above as well as those requested by District Staff. This list outlines the deliverables we provide and expect will be necessary.

CONSTRUCTION PHASE DELIVERABLES

- » Weekly meeting agenda and minutes
- » Monthly progress reports
- » Submittal log and response tracking
- » RFI log and response tracking
- » Shop drawing/sample log and response tracking
- » CCO log and response tracking
- » Independent cost evaluation of potential change orders
- » Weekly statements of working days
- » Record drawing markups
- » Labor compliance log
- » SWPPP compliance log
- » Daily inspection reports
- » Daily photographic records
- » Documentation in accordance with LAPM
- » Bulletin log and response tracking
- » Quantity backup information

POST-CONSTRUCTION SERVICES

We will submit to the District a complete project that is of the highest quality—both the physical construction and the accompanying documentation. Following completion of construction, FE will deliver the following:

POST-CONSTRUCTION PHASE SCOPE AND DELIVERABLES

- » Final inspection and punchlist
- » Compilation of as-built information (redlines) from FE and contractor markups to submit to the Engineer of Record to develop Record Drawings
- » Recommendation for final payment and acceptance
- » Statement of final quantities and/or final balancing change order
- » Notice of completion
- » Compilation of outstanding claim information for closeout
- » Electronic copy of all project files in Caltrans standard recordkeeping guidelines
- » Hard copy (if requested) of all project files in Caltrans format, consistent with electronic files



LABOR COMPLIANCE SERVICES

We know labor compliance is a crucial portion of public projects in California, and extensive when there are multiple subcontractors on a project. FE performs labor compliance administration services in accordance with the LAPM and Department of Industrial Relations (DIR), including labor compliance checks as required by 29 CFR 5. This check includes verification of upload to the DIR Certified Payroll site, collection and spot-checking of contractor- subcontractor-submitted certified payroll reports, and labor compliance interviews. FE’s Labor Compliance Officer routinely performs and oversees labor compliance activities for over \$60 million in construction annually and has developed strong working relationships with labor compliance oversight personnel in many local agencies and the DIR. The Labor Compliance Officer will administer labor compliance to enforce the contract’s provisions and ensure that all labor compliance requirements are performed and documented in the project file as well as spearhead coordination among the construction management team, contractor, and District Staff. Our Labor Compliance Officer is highly experienced with LCPTracker, utilizing it to track and submit certified payroll records to the DIR, review contractor-certified payroll submissions, and ensure full compliance—most recently on emergency work for three debris basins with the Santa Barbara County Flood Control and Water Conservation District. Labor compliance services are detailed below:

LABOR COMPLIANCE SERVICES

- Collection of certified payroll and DBE paperwork
- Verification of upload to the DIR
- Verification of contractor-specified posters, notices, and wage determinations at the job site
- Daily report review, which notes employees, labor classifications, hours worked, and equipment working on the project
- Necessary sanctions against contractor for failure to submit payroll or noncompliance with labor standard requirements
- On-site interviews
- Federal and state apprentice certification maintenance
- Monitoring of Equal Employment Opportunity and non-discrimination provisions
- Comparison of contractor and subcontractor force account or day labor work to certified payrolls
- Response to any labor compliance inquiries
- Spot-checking of payrolls or listings to ensure that, at minimum, applicable Davis-Bacon or state prevailing wage rates are paid

LABOR COMPLIANCE DELIVERABLES

- » Complete set of certified payroll hard copies, on-site interviews, and written evidence of apprentices
- » Complete list of outstanding documentation and written evidence of notifications and sanctions against the contractor

4. FEE ESTIMATE

Our estimated fee to provide CMIT services for the Project is provided in **Appendix A – Fee Estimate Breakdown**, which includes rates and quantity of hours for each team member for each Task. We have developed our fee using a monthly work plan, which is included in **Appendix B – Monthly Work Plan**.

Our estimated fee to complete the above scope is **\$1,081,336**.



APPENDIX A - FEE BREAKDOWN

Client: Santa Barbara Flood Control and Water Conservation District Project: Lower Mission Creek Reach 4 Construction Management, Inspection & Testing Date: 01/21/2025		Filippin Engineering						NV5		Sub-Total		Total	
		Paul Henderson <i>Project Manager / PIC</i>	Raul Estrada <i>Construction Manager</i>	Javier Licon <i>Chief Construction Inspector</i>	Javier Licon <i>Chief Construction Inspector (OT)</i>	Kesler Johnson <i>Project Engineer</i>	Cheril Magallanes <i>OE / Labor Compliance</i>	Expenses	FE Total	Materials Testing & Special Inspections	Subconsultant Total		FE Markup
		\$ 259.00	\$ 227.00	\$ 205.00	\$ 307.50	\$ 194.00	\$ 146.00						10%
1	Pre-Construction												
2.1	Pre-Construction	6	30	20	0	0	8	\$ 500	\$ 14,132		\$ -	\$ -	\$ 14,132
	Task 1 - Pre-Construction Total	6	30	20	0	0	8	\$ 500	\$ 14,132	\$ -	\$ -	\$ -	\$ 14,132
2	Construction Phase												
3.1	Construction Management & Inspection	80	960	1600	0	240	80	\$ 500	\$ 625,380		\$ -	\$ -	\$ 625,380
3.2	Materials Testing & Special Inspection								\$ -	\$ 149,682	\$ 149,682	\$ 14,968.20	\$ 164,650
	Task 3.1 - Construction Management & Inspection Total	80	960	1600	0	240	80	\$ 500	\$ 625,380	\$ 149,682	\$ 149,682	\$ 14,968	\$ 790,030
3	Post-Construction												
4.1	Construction Closeout	12	60	20	0	40	8	\$ -	\$ 29,756		\$ -	\$ -	\$ 29,756
	Task 3 - Post-Construction Total	12	60	20	0	40	8	\$ -	\$ 29,756	\$ -	\$ -	\$ -	\$ 29,756
PROJECT TOTAL		98	1050	1640	0	280	96	\$ 1,000	\$ 669,268	\$ 149,682	\$ 818,950	\$ 14,968	\$ 833,918

Notes:

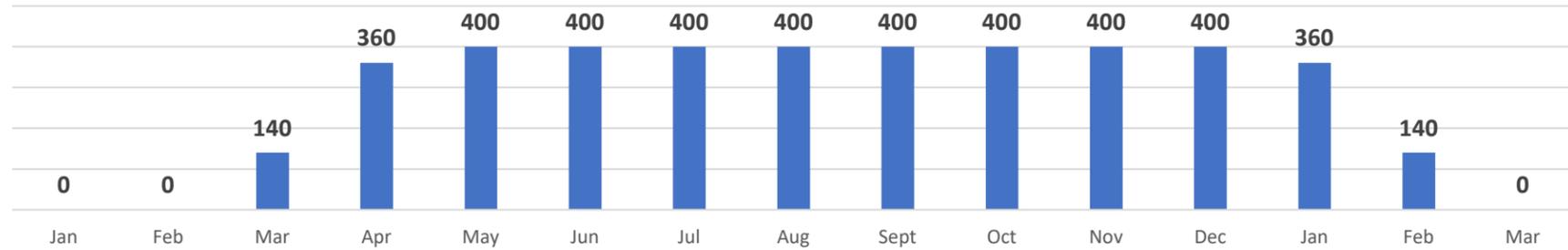
- 1 The hours provided above are an estimate of effort required for the scope included in FE's proposal.
- 2 Construction Phase services based on 210 Working Days (42 Weeks).
- 3 FE's standard rates for 2026 have been used to develop this fee estimate. If the project extends beyond December 31, 2026 we will discuss rate increases with the District in advance.
- 4 Overtime for FE's Construction Inspector has been included based on experience with similar projects, any overtime will be approved in writing by the District in advance.
- 5 We have assumed no overtime will be involved. We understand the District will not extend the Contractor 8am to



APPENDIX B - MONTHLY WORK PLAN

**Project: Lower Mission Creek Reach 4
Construction Management**

Date: 12/29/2025



		2026												2027			Total
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	
		Construction Contract Execution	Pre-Con	Construction Phase (10 Months)												Post-Con	
1	Pre-Construction																
FE	Paul Henderson Project Manager			12													12
FE	Raul Estrada Construction Manager			60													60
FE	Javier Licon Chief Construction Inspector			40													40
FE	Javier Licon Chief Construction Inspector (OT)																0
FE	Kesler Johnson Project Engineer			20													20
	Cheril Magallanes OE / Labor Compliance			8													8
																	0
2	Construction Phase																
FE	Paul Henderson Project Manager				24	24	24	24	24	24	24	24	24	24			240
FE	Raul Estrada Construction Manager				96	96	96	96	96	96	96	96	96	96			960
FE	Javier Licon Chief Construction Inspector				160	160	160	160	160	160	160	160	160	160			1600
FE	Javier Licon Chief Construction Inspector (OT)				0	40	40	40	40	40	40	40	40	0			320
FE	Kesler Johnson Project Engineer				60	60	60	60	60	60	60	60	60	60			600
FE	Cheril Magallanes OE / Labor Compliance				20	20	20	20	20	20	20	20	20	20			200
																	0
3	Post-Construction																
FE	Paul Henderson Project Manager														12		12
FE	Raul Estrada Construction Manager														60		60
FE	Javier Licon Chief Construction Inspector														20		20
FE	Javier Licon Chief Construction Inspector (OT)																0
FE	Kesler Johnson Project Engineer														40		40
FE	Cheril Magallanes OE / Labor Compliance														8		8
																	0
																	0
Total Hours		0	0	140	360	400	400	400	400	400	400	400	400	360	140	0	4,200
Cumulative Total Hours		0	0	140	500	900	1300	1700	2100	2500	2900	3300	3700	4060	4200	4200	4,200



APPENDIX C - NV5 PROPOSAL



December 18, 2025

Filippin Engineering Inc.
354-D Fairview Ave.
Goleta, Ca. 93117

Proposal No:

ATTENTION: Paul Henderson

email: Paul@fecivil.com

**SUBJECT: Proposal for Construction Materials Testing and Special Inspection Services
County of Santa Barbara Lower Mission Creek Flood Control Project Reach 4,
Santa Barbara, CA..**

NV5 is pleased to submit this proposal for the referenced project. NV5 will provide ICC or Caltrans certified inspectors and technicians per the applicable sections of the County of Santa Barbara Quality Assurance Plan (QAP) and Community Workforce Agreement (CWA). Our estimated scope of services and estimated costs are detailed below.

<u>Scope of Work and Cost Estimate</u>	<u>Site Visit</u>	<u>Rate</u>	<u>Units</u>	<u>Total</u>
<u>In Place Density Testing-Rough Grading Structure Backfill and Subgrade</u>				
Soil Technician III		\$ 144 hr	110	\$ 15,840
Nuclear Gauge		\$ 50 dy	15	\$ 750
Field Vehicle		\$ 70 dy	15	\$ 1,050
Trip charge (mileage)		\$ 65 ea	65	\$ 4,225
CWA/PLA Hourly Surcharge		\$ 35 hr	110	\$ 3,850
<u>Special Inspection and Portland Cement Concrete (PCC) Sampling and Testing</u>				
ICC/ACI Technician III		\$ 144 hr	300	\$ 43,200
Field Vehicle		\$ 70 dy	35	\$ 2,450
Trip charge (mileage)		\$ 65 ea	35	\$ 2,275
CWA/PLA Hourly Surcharge		\$ 35 hr	300	\$ 10,500
<u>PCC Batch Plant Inspection</u>				
ACI Technician III		\$ 144 hr	90	\$ 12,960
Field Vehicle		\$ 68 dy	10	\$ 680
Trip charge (mileage)		\$ 65 ea	10	\$ 650
CWA/PLA Hourly Surcharge		\$ 35 hr	90	\$ 3,150
<u>Laboratory Testing</u>				
Max. Density-Opt. Moisture (4 in. mold) – ASTM D1557, D698		\$ 258 ea	6	\$ 1,548
Max. Density-Opt. Moist. w/ Rock Corr. – ASTM D1557, D4718		\$ 378 ea	3	\$ 1,134
Sand Equivalent		\$ 138 ea	20	\$ 2,760
Sieve Analysis		\$ 160 ea	20	\$ 3,200
Cleanness Test – ASTM D4740, CTM 227 A		\$ 149 ea	20	\$ 2,980
Concrete Compression 6x12 Cylinder		\$ 39 ea	300	\$ 11,700
Concrete Compression Cylinder Pick Up		\$ 50 hr	110	\$ 5,500
R' Value – ASTM D2844, CT 301		\$ 362 ea	2	\$ 724
Abrasion Resistance by LA Rattler – ASTM C131		\$ 246 ea	4	\$ 984

<u>Scope of Work and Cost Estimate</u>	<u>Site Visit</u>	<u>Rate</u>	<u>Units</u>	<u>Total</u>
Absorption / Apparent Specific Gravity – ASTM C127, CTM 206	\$	149 ea	4	\$ 596
Durability – CTM 229	\$	316 ea	4	\$ 1,264
Percentage Wear – ASTM C131 D	\$	268 ea	4	\$ 1,072
Sulfate Soundness, 5 cycle test per primary size – ASTM D5240	\$	3,715 ea	1	\$ 3,715
<u>Project Coordination and Reporting</u>				
Principal Engineer/Geologist/Consultant	\$	240 hr	5	\$ 1,200
Construction Services Manager - Engineering Review- Reporting	\$	215 hr	40	\$ 8,600
Certified Payroll Administration	\$	45 wk	25	\$ 1,125
Time and Materials Total				\$ 149,682

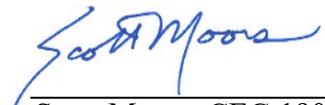
Assumptions:

- 1 Estimated inspection and testing time includes round-trip travel to site. Field time is billed portal to portal from our Ventura office. For this project, travel time is estimated to be 45 minutes each way.
- 2 Our services will be provided on an on-call basis at the direction of the Filippin Engineering Inc. Since NV5 does not control the contractor's schedule, cost estimates given prior to the beginning of construction are made in good faith based on our experience with similar projects. Our estimates may not coincide with the actual construction duration or contractors productivity, nor reflect the final scope of our work. Filippin Engineering Inc. staff will have control over the frequency of our site visits and testing, and ultimately the fee for our services.
- 3 Prevailing Wage and Overtime Rates Apply if applicable.
- 4 Inspection and testing callouts will be 4, 6 or 8 hour minimum daily charges.

NV5 West, Inc. appreciates the opportunity to be of service. If you have any questions, please do not hesitate to contact us.

Respectfully Submitted,
NV5, Inc.


 Ed Sullivan
 Construction Services Manager


 Scott Moors, CEG 1901
 Vice President

Attachment: 2025 Fee Schedule

2025 GEOTECHNICAL / MATERIAL TESTING FEE SCHEDULE

GENERAL TERMS & CONDITIONS

- 1. Testing Samples** - An hourly preparation charge will be added to all samples submitted that are not ready for testing.
- 2. Turn-Around-Time** - Standard TAT indicated in superscript. See notes regarding TAT at bottom of page 3.
RUSH: 50% surcharge. Sample prioritized over other samples in que.
PRIORITY: 100% surcharge: Completed as fast as possible per method.
- 3. Project Setup** - A \$225 fee applies for setup and administration of On-Call agreements and contracts less than \$3,500.
- 4. Scheduling** - A minimum of 24-hour notice is required to schedule personnel (48-hour for DSA/OSHPD projects). For same-day scheduling, a 50% premium applies. Same-day cancellations will incur a 2-hour charge. Cancellation after field personnel have been dispatched will be charged a 4-hour minimum charge.
- 5. Minimum Charges** - A minimum charge of 4 hours applies to inspection/testing call-out between 0 and 4 hours. Eight (8) hours will be charged for work performed over 4 hours up to 8 hours. Overtime charges will be rounded to the nearest half hour.
- 6. Overtime Rates** - Rates are based on an 8-hr workday between 7:00 a.m. and 4:00 p.m., Monday-Friday. Work outside of these hours or in excess of 8 hr/day or 40 hr/wk will be charged at 1.5 times the listed rates. Work over 12 hours in 1 day or work on Sundays or holidays will be charged at 2.0 times quoted rates. Special Shift work is charged a 1.5 times normal rate unless a full week work (5 days) is scheduled.
- 7. Holidays** - New Year Day, Memorial Day, Independence Day, Labor Day, Veteran Day, Thanksgiving Day & the following Friday, and Christmas Day. For holidays falling on Sat. or Sun., the closest regular workday will be observed.

- 8. Travel** - Hourly travel is charged portal-to-portal for technicians. Travel charges may be waived for special inspectors within 25 miles of our laboratory. Mileage/Trip Charges charged at rates listed below.
- 9. Per Diem** - Per diem will be charged at 1.1 times the Federal (GSA) rate for all out-of-town assignments unless otherwise arranged.
- 10. Project Management & Report Distribution** - All assignments are under the supervision of a Professional Engineer. PE time of 0.1 hour per inspection or 1/2-hour/week (min) will be invoiced for scheduling, management, & report review.
- 11. Expenses / Drillers-CPT / Subcontractors** - Cost plus 15%.
- 12. Prevailing Wage** - Client shall notify NV5, in writing, of any requirement for payment of California Prevailing Wage or other predetermined wage condition. Client agrees to indemnify NV5 against all costs related Client's failure to notify NV5 of wage requirements.
- 13. Sample Disposition** - All samples will be disposed upon completion of testing. Samples suspected of contamination will be held pending disposition by Client. Samples may be archived for a specified period for an agreed monthly fee - typically \$5/mo per ring/tube sample, \$10/mo AC box, \$15/mo bulk.
- 14. Certified Payroll** - A \$45 per week, per project processing fee for Certified Payroll is assessed on Prevailing Wage Projects.
- 15. Escalation** - Listed rates are subject to annual escalation in accordance with NV5 Ventura's published annual Fee Schedule. Updated Fee Schedules will be published annually and become effective January 1.
- 16. Project Labor Agreements:** A project administration and Union expense surcharge fee of \$35/hr is accessed on projects under a PLA.

I. PROFESSIONAL, TECHNICAL, & SUPPORT STAFF

(Hourly rates unless otherwise indicated. Charges are portal-to-portal from/to NV5's lab)

	Standard	Prevailing Wage	Standard
A. Professional Staff			
1 Principal Engineer/Geologist/Consultant	\$ 240		
2 Senior Engineer/Geologist/Consultant (PE, CEG)	\$ 220		
3 Project Engineer/Geologist/Consultant	\$ 190		
4 Sr. Staff Engineer/Geologist/Consultant	\$ 170		
5 Staff Engineer/Geologist/Consultant	\$ 155		
6 Construction Services Manager	\$ 215		
7 Project Manager	\$ 195		
B. Technical Staff			
		Prevailing Wage	Standard
1 ICC Special Inspector I / Soil-Asphalt-ACI Technician I		\$ 134	\$ 103
2 ICC Special Inspector II / Soil-Asphalt-ACI Technician II		\$ 138	\$ 114
3 ICC Special Inspector III/Soil-Asphalt-ACI Technician III		\$ 144	\$ 124
4 AWS Certified Welding Inspector I		\$ 138	\$ 108
5 AWS Certified Welding Inspector II		\$ 144	\$ 119
6 Roofing/Waterproofing Inspector I		\$ 134	\$ 108
7 Roofing/Waterproofing Inspector II		\$ 144	\$ 119
8 NDT Technician I (UT/Mag Part./Dye Pen.)		\$ 136	\$ 107
9 NDT Technician II (UT/Mag Part./Dye Pen.)		\$ 140	\$ 119
10 Field Supervisor		\$ 152	\$ 134
C. Public Works/DSA/OSHPD Inspection			
		Prevailing Wage	Standard
1 Project Inspector I / OSHPD IOR C, DSA PI III		\$ 136	\$ 124
2 Project Inspector II / OSHPD IOR B, DSA PI II		\$ 151	\$ 140
3 Project Inspector III/ OSHPD IOR A, DSA PI I		\$ 172	\$ 157
4 DSA Masonry / Shotcrete Inspection I		\$ 140	\$ 115
5 DSA Masonry / Shotcrete Inspection II		\$ 150	\$ 132
6 Special Inspection Verified Report (SIVR/VR, each)			\$ 336
7 Laboratory / Geotech. Verified Rpt (DSA 291/293 - Test only, each)			\$ 555
8 Combined Lab Verified Report (DSA 291 - Tests & Inspections, each)			\$ 720
9 DSA 5 SI (Inspector Qualifications, each)			\$ 98
10 DSA 109 Transfer of Geotechnical Responsibility			\$ 1,800

D. Support Staff & Special Services

	Standard
1 Laboratory Technician	\$ 144
2 Certified Payroll Admin.(per project, per week)	\$ 55
3 Court Appearance and Depositions (hourly, 4 hr min)	\$ 525
4 Clerical	\$ 82

E Pickup/Delivery, Field Vehicle, Sample Storage & Mileage

	Standard
1 Sample Pickup/Delivery (hourly, plus mileage)	\$ 88
2 Saturday Sample Pickup/Delivery (hourly, 4 hr minimum, plus mileage)	\$ 132
3 Mileage - (per mile, \$35/day min. charge)	\$ 0.80
4 Mileage - Coring Truck (per mile)	\$ 0.85
5 Vehicle - Field Truck 2WD (per day)	\$ 70
6 Vehicle - Field Truck 4WD (per day)	\$ 88
7 Sample Storage - Bulk Bag, HMA Box, AC Binder (after testing complete) per mo.	\$ 10
8 Sample Storage - Geotech Tube (after testing complete) per month	\$ 2

F Prevailing Wage / Labor Agreement Administration

	Standard
1 Prevailing Wage - Certified Payroll Reporting, per week	\$ 45
2 Project Labor Agreement - Hourly Surcharge	\$ 35

H Diamond Coring (min. charge = field time w/travel + 1 hr. mob./demob.)

	Standard
1 Machine, truck & 1 operator (accessible flatwork only)	\$ 256 \$ 224
2 Machine, truck & operator & helper	\$ 376 \$ 336
3 Coring Bit Charge (per inch)	\$ 3.75

Standard Laboratory Turn-Around-Times:

(where applicable TAT indicated in superscript following the test method):

A - 3 working days; B - 5 working days; C - 7 working days; D - 10 working days; E - >10 working days
Standard TAT indicates anticipated testing time under typical conditions and is subject to availability and precedence. RUSH TAT prioritizes testing over other samples. PRIORITY TAT dedicates technician to complete test as quickly as possible per the method specifications - hourly charges apply for weekend or holiday work.

II. LAB TESTS: AGGREGATE, SOIL, & STONE

	<u>Fee</u>
A. Soils - Geotechnical	
1 Atterberg Limits (LL and PL) – ASTM D4318, CTM 204 ^B	\$ 232
2 Consolidation (up to 9 Load/Rebound Pts) – ASTM D2435 ^E	\$ 404
3 Consolidation Time-Rate Curves, each ^E	\$ 101
4 Collapse – ASTM D4546 ^B	\$ 199
5 additional Load Increment (Consol./Collapse) – per pt.	\$ 78
6 Direct Shear, remolded sample – ASTM D3080 ^D	\$ 352
7 Direct Shear, undisturbed (ring) sample – ASTM D3080 ^D	\$ 298
8 Direct Shear, Repeated Residual – ASTM D3080 ^E	\$ 820
9 Expansion Index – ASTM D4829 ^B	\$ 256
10 Moisture & Dry Density (ring samples)– ASTM D2937 ^C	\$ 28
11 Organic Content by Oven Burn-off – ASTM D2974 ^B	\$ 270
12 pH (soil) – ASTM D4972 ^C	\$ 46
13 Resistivity – ASTM G57 ^C	\$ 71
14 Resistivity (Minimum) – CTM 643 ^C	\$ 189
15 Soil Classification – ASTM D2488 – Visual-Manual ^A	\$ 54
16 Soluble Chloride / Soluble Chloride - each (soils) ^C	\$ 96
17 Unconfined compression on prepared specimens ^C	\$ 167
B. Particle Size Analysis	
(listed fees are for standard ASTM C33 sieve stack, special sieves by quote)	
1 Sand Equivalent – ASTM D2419, CTM 217 ^A	\$ 138
2 Sieve #200 wash only – ASTM D1140, CTM 202 ^A	\$ 115
3 Sieve (coarse or fine only, no wash – ASTM C136, CTM 202) ^A	\$ 126
4 Sieve (coarse & fine w/ wash – ASTM C136, CTM 202) ^A	\$ 160
5 Hydrometer w/ Fine Sieve – ASTM D422, CTM 203 ^B	\$ 256
6 Hydrometer w/ Fine & Coarse Sieve – ASTM D422, CTM 203 ^B	\$ 292
C. Moisture Density Relationship	
1 Max. Density-Opt. Moisture (4 in. mold) – ASTM D1557, D698 ^A	\$ 258
2 Max. Density-Opt. Moisture (6 in. mold) – ASTM D1557, D698 ^A	\$ 318
3 Max. Density-Opt. Moist. w/ Rock Corr. – ASTM D1557, D4718 ^A	\$ 378
4 Maximum Density Checkpoint (4 in. mold) ^A	\$ 114
5 Caltrans Relative Compaction (Wet Density) – CTM 216 ^A	\$ 334
D. Aggregate, Soil & Rock	
1 Abrasion Resistance by LA Rattler – ASTM C131, CTM 211 ^B	\$ 246
2 Absorption, sand or gravel – ASTM C127, C128 ^B	\$ 70
3 California Bearing Ratio (CBR) with expansion – ASTM D1883 ^C	\$ 820
4 Clay lumps and friable particles, per primary size–ASTM C142 ^C	\$ 131
5 Cleanness Test – ASTM D4740, CTM 227 ^A (<1.5" max size)	\$ 149
6 Cleanness Test – ASTM D4740, CTM 227 ^A (1.5"-2.5" size)	\$ 350
7 Crushed particles, per primary size ^C	\$ 189
8 Durability Index (\$120 per size fraction) – CTM 229 ^A	\$ 246
9 Flat & Elongated Particles (per bin size) – ASTM D4791 ^C	\$ 214
10 Lightweight pieces, per size fraction – ASTM C123 ^C	\$ 458
11 Moisture determination (aggregate samples) ^A	\$ 40
12 Mortar making properties of Sand ASTM C87 ^D	\$ 442
13 Organic Impurities – ASTM C40, CTM 213 ^B	\$ 110
14 Petrographic Analysis of Gravel – ASTM C295 (single grading) ^E	\$ 570
15 Petrographic Analysis of WC Sand – ASTM C295 (pre-graded) ^E	\$ 970
16 Potential Reactivity Test – ASTM C289 Chemical Method ^D	\$ 570
17 Potential Reactivity – ASTM C227 Mortar Bar Method (3 month) ^E	\$ 895
Each additional month	\$ 135
18 Potential Reactivity Test – ASTM C1260 Rapid Method ^E	\$ 715
19 Potential Reactivity – ASTM C1293 Mortar Bar w/ Pozz (12 m) ^E	\$ 1,825
Extend to 24-months add (C1293 requires Sp.Grav. & Unit Wgt)	\$ 920
20 Potential Reactivity Test – ASTM C1567 Rapid-Cement Combo ^E	\$ 865
21 'R' Value – ASTM D2844, CT 301 (Treated material by quote) ^C	\$ 362
22 Specific gravity w/ absorption - coarse – ASTM C127, CTM 206) ^B	\$ 127
23 Specific gravity w/ absorption - fine – ASTM C128, CTM 207) ^B	\$ 149
24 Sulfate Soundness, 5 cycle test per primary size – ASTM C88 ^D	\$ 416
25 Thermal Resistivity of Soil (including 1 proctor curve) ^D	\$ 1,175
26 Uncompacted Void Content of Fine Aggregate – AASHTO T304 ^B	\$ 200
27 Unit weight – ASTM C29 ^B	\$ 83

	<u>Fee</u>
E. Lime Treatment / Soil Cement / CTB Tests	
1 Lime Treatment: pH by Eades & Grim – ASTM D6276 ^B	\$ 412
2 Lime Treatment: Fabrication & Compaction (3) – ASTM D3551 ^B	\$ 502
3 Lime Treatment: Compressive Strength (ea) – ASTM D5102 ^B	\$ 126
4 Soil Cement – Moist.-Dens. - ASTM D558 – Lab Mixed ^B	\$ 468
5 Soil Cement – Moist.-Dens. - ASTM D558 – Field Mixed ^C	\$ 350
6 Soil Cement – Wet-Dry Durability – ASTM D559 ^E	\$ 1,120
7 Soil Cement – Freeze-Thaw Durability – ASTM D560 ^E	\$ 1,310
8 Soil Cement – Mix, Compact & Cure, each – ASTM D1632 ^A	\$ 149
9 Soil Cement – Compressive Strength - each – ASTM D1633 ^A	\$ 137
10 Cement Treated Base (CTB), compact & cure (3 samples) ^E	\$ 502
11 Cement Treated Base – Compression (ea)	\$ 125
12 Cement Treated Base – Stability (3)	\$ 600

	<u>Fee</u>
F. Rip Rap / Rock Slope Protection / Dimensional Stone	
1 Rock Gradation D (hourly engineering charge - per quote)	
2 Absorption / Apparent Specific Gravity – ASTM C127, CTM 206 ^D	\$ 149
3 Durability – CTM 229 ^D	\$ 316
4 Percentage Wear – ASTM C131 ^D	\$ 268
5 Compressive Strength – ASTM C170 ^D	\$ 160
6 Water Absorption & Density – ASTM C97 (3 required) ^D	\$ 101
7 Modulus of Rupture – ASTM C99 ^D	\$ 173
8 Flexural Strength – ASTM C880 ^D	\$ 196
9 Sulfate Soundness, 5 cycle test per primary size – ASTM D5240 ^D	\$ 3,715
10 addition Soundness samples (>5 specimens)	\$ 710
11 Sample Preparation (<i>cutting/crushing/processing-1 hr min</i>) /hr	\$ 191

III. LAB TESTS: CEMENT, CONCRETE, & MASONRY

	<u>Fee</u>
A. Cement	
1 Grab sample (CCR Title 24) includes 1 year storage	\$ 86
2 Compression Test – High Strength Grout 2" cube – ASTM C109 ^A	\$ 71
B. Concrete	
1 Compression test: Concrete 4x8 cylinder – ASTM C39	\$ 33
2 Compression test: Concrete 6x12 cylinder – ASTM C39	\$ 39
3 Compression test: Concrete/Shotcrete Core – ASTM C42 ^C	\$ 88
4 Concrete cylinder mold (w/ lid - spare)	\$ 14
5 Concrete cylinder p/up: 4x8 (>25mi. radius of Lab add hrly p/up rate)	\$ 19
6 Concrete cylinder p/up: 6x12 (>25mi. radius of Lab add hrly p/up rate)	\$ 26
7 Concrete Mix Design Review (excludes testing & revisions) ^A	\$ 316
8 Concrete mix proportion revision	\$ 220
9 Concrete Trial Batch (includes 6 compression tests)	Per Quote
10 Coring of Shotcrete/Gunite panel in laboratory, each core	\$ 78
11 Density of Lightweight Struct. Concrete (ASTM C567 -Equip) ^C	\$ 248
12 Drying shrinkage – ASTM C157 (set of 3, 5 ages) ^E	\$ 650
13 End preparation of cores, diamond sawing, per cut	\$ 26
16 Flexural beam pickup (>25mi. radius of Lab add hrly p/up rate)	\$ 55
17 Flexural strength, 6"x6" beam – ASTM C78 & C293 ^A	\$ 100
18 Lab Trial Batch, not including specimen tests - ASTM C192	Per Quote
19 Lightweight insulating concrete – unit weight (oven dry)	\$ 127
20 Lightweight. insulating concrete compress, 4 req. – ASTM C495	\$ 101
21 Modulus of elasticity, 4"x8" cylinder – ASTM C469 ^D	\$ 324
22 Non-Shrink (Dry-Pack) Grout Compression – 2"x2"x2"	\$ 65
23 Petrographic Analysis - Hardened Concrete – ASTM C856 (per core) ^E	\$ 1,240
24 Poisson's Ratio on 6"x12" cylinders – ASTM C469 ^D	
25 Shotcrete/Gunite panel pick-up (>25mi. radius of Lab add hourly pickup rate)	\$ 97
26 Splitting Tensile – ASTM C496 ^D	\$ 238
27 Thermal Resistivity – Concrete - FTB ^D	\$ 1,185

C. Masonry

	<u>Fee</u>
1 Absorption - Brick, 5 required – ASTM C67 ^D	\$ 92
2 Absorption - Concrete Masonry Unit, 3 required – ASTM C140 ^D	\$ 71
3 Compression - Concrete Masonry Unit, 3 required – ASTM C140 ^D (requires absorption & unit wt. tests for net area)	\$ 108
4 Compression - Masonry Core ^C	\$ 67
5 Compression - Masonry Prisms 8"x 8" – ASTM C1314 ^D	\$ 210
6 Compression test, Masonry Grout 3x6" specimens - ASTM C1019	\$ 49
7 Compression test, mortar specimens - ASTM C109	\$ 49
8 Compression, brick, 5 required – ASTM C67 ^D	\$ 60
9 Diamond sawing of masonry specimens, if required (minimum)	\$ 35
10 Dimensions – masonry unit, 3 required ^D	\$ 65
11 Linear shrinkage, masonry unit, set of 3 – ASTM C426 ^E	\$ 590
12 Masonry Unit Acceptance Tests – ASTM C140 ^D (set of 3) (includes absorption, compression, dimensions, unit weight)	\$ 765
13 Mortar Aggregate Ratio – ASTM C780 (A4) ^B	\$ 426
14 Modulus of rupture, brick, 5 required – ASTM C67 ^D	\$ 142
15 Moisture content - masonry unit (as received), 3 req'd – ASTM C140 ^D	\$ 62
16 Relative Mortar Strength - CTM 515 ^D	\$ 550
17 Sample Pickup – Grout, Mortar (per specimen)	\$ 39
18 Sample Pickup – Masonry Prism (per specimen)	\$ 100
19 Shear test on masonry core – CBC 2105A.4 ^B	\$ 141
20 Tensile test on masonry block	\$ 550
21 Unit weight, Masonry Unit, 3 required – ASTM C140 ^D	\$ 74
22 Veneer Shear Test – ASTM C482 ^D (5 required)	\$ 246
23 Visual Examination & Photo-Document Core – CBC 2105A.4 ^B	\$ 62

IV. LAB TESTS: REINFORCING & STRUCTURAL STEEL

A General Testing

	<u>Fee</u>
1 Fireproofing Density (Oven Dried) - ASTM E605 ^B	\$ 135
2 Processing mill certification (each size & heat)	\$ 40
3 Torque Wrench Calibration (25-250 ft-lb)	\$ 145
4 Rockwell or Brinell Hardness, average of three readings	\$ 44
5 Zinc coating, each item (includes Haz Mat Fee) ^C	\$ 256

B Reinforcing Steel

	<u>Fee</u>
1 Deformations, reinforcing steel ^C	\$ 71
2 Pre-stress, strand or wire, tensile & elongation ^D	Per Quote
3 Proof test on post-tension assembly	Per Quote
4 Bend Test (rebar) ≤ #11 ^C	\$ 78
4 Bend Test (rebar) > #11 ^D	\$ 400
5 Tensile test (rebar), up to & including #8 ^C	\$ 78
6 Tensile test (rebar) #9, #10, #11 ^D	\$ 149
7 Tensile test (rebar) #14, #18 ^D	\$ 380
8 Rebar Mechanical Coupler (Tension) Test (up to #11 bar) ^D	\$ 264

C Structural Steel

	<u>Fee</u>
1 Cutting & machining charges	cost plus 15%
2 Bend test, structural, all sizes	\$ 92
3 Tensile test, ≤ ¾" cross-section (cutting & machining extra)*	\$ 103
4 Tensile test, > ¾" cross-section (cutting & machining extra)*	\$ 160

D High Strength Bolts

	<u>Fee</u>
1 High-Strength Bolt Assembly ea. (Bolt, Nut, & Washer) ^D (<7/8")	\$ 385
2 High-Strength Bolt Assembly ea. (Bolt, Nut & Washer) ^D (7/8"-1.125")	\$ 455
3 High-Strength Bolt Assembly ea. (Bolt, Nut & Washer) ^D (>1.125")	\$ 505
5 Bolt – Wedge Tensile ^D - ASTM F606 (<7/8")	\$ 75
6 Bolt – Wedge Tensile ^D - ASTM F606 (7/8" - 1.125")	\$ 100
7 Bolt – Wedge Tensile ^D - ASTM F606 (> 1.125")	\$ 125
8 Bolt – Proof Load/Elongation ^D - ASTM F606 (<7/8")	\$ 80
9 Bolt – Proof Load/Elongation ^D - ASTM F606 (7/8" - 1.125")	\$ 110
10 Bolt – Proof Load/Elongation ^D - ASTM F606 (>1.125")	\$ 130
11 Nut - Proof Load ^D - (<7/8")	\$ 65
12 Nut - Proof Load ^D - (7/8" - 1.125")	\$ 80
13 Nut - Proof Load ^D - (>1.125")	\$ 95
14 Hardness (ASTM E18) ^D	\$ 75

V. LAB TESTS: ASPHALT & ASPHALTIC CONCRETE

A Emulsions And Slurry Seals

	<u>Fee</u>
1 Consistency test – ASTM D3910 ^A	\$ 115
2 Residue by Evaporation – T59, CT330, D6934 ^A	\$ 172
3 Solids content by evaporation and ignition extraction (slurry) ^A	\$ 298
4 Wet Track Abrasion – ASTM D3910 (prep. not included) ^A	\$ 192

B Asphaltic Concrete, Aggregate And Mixes

	<u>Fee</u>
1 Air Voids – ASTM D3203, T269 (does not include max.)	\$ 318
2 Bulk Specific Gravity (HVEEM – 3 pt. LTMD) CT308 / T166 ^A	\$ 298
3 Coring of asphaltic concrete – See Section E Diamond Coring Extraction, % bitumen	
4 Ignition Oven Method – ASTM D6307, AASHTO T308, CT 382 ^A	\$ 210
5 Solvent Extraction Method – ASTM D2172, AASHTO T164 ^B	\$ 388
5 Film Stripping – CTM 302 ^C	\$ 200
6 Gyrotory Compaction, 6" specimen, Lab Mix* – AASHTO T312 ^B	\$ 432
7 Gyrotory Compaction, 6" specimen, Plant Mix* – AASHTO T312 ^B	\$ 372
8 Gyrotory Compaction- ARHM, 6" specimen, Plant Mix* – AASHTO T312 ^B * Add \$115 for Asphalt Rubber	\$ 740
9 Hamburg Wheel Track – AASHTO T324 ^B	\$ 1,790
10 Ignition Oven Correction Factor – CTM 382 ^B	\$ 785
11 Marshall – Preparation & Compaction ^A	\$ 252
12 Marshall - Stability and flow (core) – ASTM D6927 ^A	\$ 157
13 Marshall - Stability and flow (bulk) – ASTM D6927 ^B	\$ 394
14 Marshall - Specific Gravity – ASTM D2926 ^A	\$ 276
15 Theoretical Maximum Specific Gravity (RICE) – D-2041, CT 309 ^A	\$ 240
16 Moisture content – ASTM D-1461 ^A	\$ 136
17 Recovery of Extracted Asphalt (extraction only) - ASTM D5404 ^D	\$ 302
18 Recovery of rubber from ARHM extraction ^D	\$ 378
19 Specific gravity of core – ASTM D2726 ^A	\$ 71
20 HVEEM Stabilometer test on premixed sample – CTM 366 ^A	\$ 224
21 Stabilometer test and mising of sample ^B	\$ 480
22 Surface Abrasion – CTM 360 ^C	\$ 630
23 Resistance to Moisture Induced Damage – T-283 ^D	\$ 2,225
24 Resistance to Moisture Induced Damage – CT 371 ^D	\$ 3,185

VI. MATERIALS AND EQUIPMENT

A. Equipment

	<i>Fee</i>
1 Air Meter (Concrete),per day	\$ 65
2 Asphalt Patch (cold patch / cutback) – per bag	\$ 47
3 Calibrated Hydraulic Ram (Pull test) - per day	\$ 114
4 Ceiling Wire Dead-Weight Equip. - per day	\$ 194
5 Coating Thickness Gauge - per day	\$ 135
6 Concrete Slab Moisture Emission Kit / RH Probe (ea.)	\$ 103
7 Cure Box - Insulated (per box, per deployment)	\$ 175
8 Cure Box - Temperature Controlled (per month)	\$ 500
9 Floor Flatness Dipstick (plus labor – 4hr min) - per day	\$ 685
10 Double Ring Infiltrometer - per day	\$ 294
11 Durometer Gauge (Shore A/D) - per day	\$ 70
12 Dynamic Cone Penetrometer (Wildcat w/ 35 lb hammer) - per day	\$ 595
13 Generator (Portable) - per day	\$ 112
14 Ground Penetrating Radar (GPR) – (plus labor–4 hr min) /day	\$ 474
15 Half-Cell Corrosion Potential Equipment - per day	\$ 435
16 Hardness Gauge (Brinell, Rockwell) - per day	\$ 146
17 Non-Shrink High-Strength Grout (per bag)	\$ 60
18 Nuclear Density Gauge - per day	\$ 50
19 Pachometer (Rebar) Survey Equipment - per day	\$ 119
20 Peristaltic Groundwater Sampling Pump - per day	\$ 258
21 Sand Cone Density Equipment) - per day	\$ 50
22 Scaffold – Portable - per day	\$ 135
23 Schmidt Hammer - per day	\$ 90
24 Seismic Refraction Survey, 24-Channel Seismodule - per day	\$ 2,250
25 Skidmore Wilhelm - per day	\$ 254
26 Slope Inclinator Probe & Data Collector - per day	\$ 356
27 Soil Resistivity Survey (4-pin) - per day	\$ 425
28 Torque Wrench (Large, >100 ft-lb), per day	\$ 103
29 Torque Wrench (Small), per day	\$ 33
30 Ultrasonic / Mag. Particle Equipment & Consumables.per day	\$ 92

ADDITIONAL TESTS: NV5 performs a broad spectrum of field and laboratory testing. This Fee Schedule lists only the most common tests performed. For information regarding additional testing services, please contact our laboratory.

Standard Laboratory Turn-Around-Times:

(where applicable TAT indicated in superscript following the test method):

^A – 3 working days; ^B – 5 working days; ^C – 7 working days; ^D – 10 working days; ^E – >10 working days
 Standard TAT indicates anticipated testing time under typical conditions and is subject to availability and precedence. RUSH TAT prioritizes testing over other samples. PRIORITY TAT dedicates technician to complete test as quickly as possible per the method specifications – hourly charges apply for weekend or holiday work.