

THIS PRINT COVERS CALENDAR ITEM NO.: 10.3

**SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY**

DIVISION: Streets

BRIEF DESCRIPTION:

Authorizing the Director of Transportation to execute SFMTA Contracts Nos. CS-194, CS-195, CS-196, As-Needed Specialized Engineering Services for Federally Funded Projects with HNTB Corporation (HNTB), AECOM Technical Services, Inc. (AECOM), and PGH Wong Engineering, Inc. (PGH Wong), respectively, to provide technical and professional services on an as-needed basis with each contract amount not to exceed \$5,000,000 and an original term of three years with the option to extend for two additional years, for a maximum of five years.

SUMMARY:

- On February 19, 2026, the Director of Transportation notified the SFMTA Board of Directors that she had authorized staff to issue a Request for Proposals (RFP) for three as-needed specialized engineering services contracts, each for an amount not to exceed \$5,000,000 and an original term of three years with the option to extend for two additional years, for a maximum of five years..
- On April 2, 2026, the SFMTA received written proposals from seven firms. A Technical Evaluation Team (TET) reviewed the proposals and interviewed the four firms within the competitive range.
- A composite score of the written proposals and the oral interviews was established for each firm and the three highest-ranked firms were HNTB, AECOM, and PGH Wong.
- Staff recommend authorizing the Director of Transportation to execute Contract No. CS-194 with HNTB, Contract No. CS-195 with AECOM, and Contract No. CS-196 with PGH Wong to allow staff to issue task orders to acquire engineering services on an as-needed basis.

ENCLOSURES:

1. SFMTAB Resolution
2. Scope of Services
3. Consultant Agreement for Contract No. CS-194 with HNTB Corporation
4. Consultant Agreement for Contract No. CS-195 with AECOM Technical Services, Inc.
5. Consultant Agreement for Contract No. CS-196 with PGH Wong Engineering, Inc.

APPROVALS:

DATE

DIRECTOR _____

SECRETARY _____

ASSIGNED SFMTAB CALENDAR DATE: August 4, 2026

PURPOSE

Authorizing the Director of Transportation to execute SFMTA Contracts Nos. CS-194, CS-195, CS-196, As-Needed Specialized Engineering Services for Federally Funded Projects with HNTB Corporation (HNTB), AECOM Technical Services, Inc. (AECOM), and PGH Wong Engineering, Inc. (PGH Wong), respectively, to provide technical and professional services on an as-needed basis with each contract amount not to exceed \$5,000,000 and an original term of three years with the option to extend for two additional years, for a maximum of five years.

STRATEGIC PLAN GOALS AND TRANSIT FIRST POLICY PRINCIPLES

This action is consistent with the following SFMTA Strategic Plan Goals:

- Goal 4: Make streets safer for everyone.
- Goal 8: Deliver quality projects on-time and on-budget.
- Goal 9: Fix things before they break and modernize systems and infrastructure.
- Goal 10: Position the agency for financial success.

This item will support the following Transit First Policy Principles:

1. To ensure quality of life and economic health in San Francisco, the primary objective of the transportation system must be the safe and efficient movement of people and goods.
2. Public transit, including taxis and vanpools, is an economically and environmentally sound alternative to transportation by individual automobiles. Within San Francisco, travel by public transit, by bicycle and on foot must be an attractive alternative to travel by private automobile.
3. Decisions regarding the use of limited public street and sidewalk space shall encourage the use of public rights of way by pedestrians, bicyclists, and public transit, and shall strive to reduce traffic and improve public health and safety.
4. Transit-priority improvements, such as designated transit lanes and streets and improved signalization, shall be made to expedite the movement of public transit vehicles (including taxis and vanpools) and to improve pedestrian safety.
5. Pedestrian areas shall be enhanced wherever possible to improve the safety and comfort of pedestrians and to encourage travel by foot.
8. New transportation investment should be allocated to meet the demand for public transit generated by new public and private commercial and residential developments.
9. The ability of the City and County to reduce traffic congestion depends on the adequacy of regional public transportation. The City and County shall promote the use of regional mass transit and the continued development of an integrated, reliable, regional public transportation system.

DESCRIPTION

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The SFMTA Board of Directors approved a five-year Capital Improvement Program (CIP) to improve Muni's aging system and ensure the continued efficient operation of Muni and its related infrastructure. To support program delivery, the SFMTA requires access to as-needed consultant services to supplement the Planning and Delivery Division's (PDD) design and construction staff during periods of peak workload and for specialized engineering and technical expertise not available in-house. These services will help minimize project delivery delays and reduce potential impacts on public service.

Consultants may provide a broad range of engineering and project delivery support services directly or through subconsultants on short notice. Assignments may include planning, programming, specialized studies, design support, construction support, construction management, special inspection, material testing, start-up and commissioning, and project closeout activities. These services will support the facilities, transit optimization, fixed trackway, and major corridor programs.

The use of as-needed services is closely monitored. When a project team determines that in-house staff needs assistance to complete the project work on schedule, they request authorization from the division director to use the as-needed services. Upon approval, staff prepares a scope of work and requests proposals from the consultant teams. The project team independently estimates the cost to perform the work and compares it against the received proposals. Upon review, a negotiation may be held between the SFMTA and the consultant teams to come to agreeable terms. Once the negotiated task order is approved by the division director, the controller certifies that project funding is available and staff issues a Notice to Proceed to the consultant.

Scope of Services:

The scope of work that could be issued to consultants through task orders under these contracts is described in Enclosure 2. The list includes work that falls into the following categories: planning, programming, specialized studies, design support, construction support, construction management, special inspection, material testing, start-up and commissioning, and project closeout activities.

Procurement:

On February 19, 2026, the Director of Transportation notified the SFMTA Board of Directors that she authorized staff to issue a Request for Proposals (RFP) for SFMTA Contracts Nos. CS-194, CS-195, and CS-196, with a not-to-exceed amount of \$5,000,000 and an original term of three years with the option to extend for two additional years, for a maximum of five years each, in accordance with SFMTA Board of Directors' Resolution No. 240604-061, which delegates the authority to issue bid calls to the Director of Transportation

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The RFP was advertised on February 19, 2026, and the SFMTA received written proposals on April 2, 2026, from the following firms: RSE Corporation, HNTB, Hatch Associates Consultants, Inc., AECOM, PGH Wong, Arup US, Inc., and DLR Group. A TET, comprised of staff from the SFMTA and San Francisco Public Works, evaluated the written proposals, and conducted interviews. A final score of the written proposals and oral interviews resulted in HNTB, AECOM, and PGH Wong as the three highest ranked proposers. Following the selection, the SFMTA successfully negotiated contracts with the three firms.

This calendar item is to award Contract No. CS-194 to HNTB, Contract No. CS-195 to AECOM, and Contract No. CS-196 to PGH Wong.

STAKEHOLDER ENGAGEMENT

The scope of work included in these contracts was developed through discussions with project management, construction management, and engineering section leads. The project managers that are issuing task orders against these contracts will conduct public outreach as appropriate for work performed under the respective task order.

ALTERNATIVES CONSIDERED

These contracts will be used when projects require specialized expertise not available in-house or when project resource demands exceed staff availability. There are no alternatives.

FUNDING IMPACT

Task orders issued under these contracts will be funded through existing approved budgets for the capital projects that require the services.

ENVIRONMENTAL REVIEW

On June 26, 2026, the SFMTA, under authority delegated by the Planning Department, determined that the As-Needed Specialized Engineering Services contract is not a "project" under the California Environmental Quality Act (CEQA) pursuant to Title 14 of the California Code of Regulations Sections 15060(c) and 15378(b).

A copy of the CEQA determination is on file with the Secretary to the SFMTA Board of Directors and is incorporated herein by reference.

OTHER APPROVALS RECEIVED OR STILL REQUIRED

Staff obtained approval for as-needed professional services agreements from the Civil Service Commission by PSC No. DHRPSC0005828 on February 2, 2026.

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The Contract Compliance Office has set a 25% Small Business Enterprise participation goal for each contract.

The City Attorney has reviewed the Agreements and this report.

RECOMMENDATION

Staff recommends that the SFMTA Board of Directors authorize the Director of Transportation to execute SFMTA Contracts Nos. CS-194, CS-195, CS-196, As-Needed Specialized Engineering Services for Federally Funded Projects with HNTB Corporation (HNTB), AECOM Technical Services, Inc. (AECOM), and PGH Wong Engineering, Inc. (PGH Wong), respectively, to provide technical and professional services on an as-needed basis with each contract amount not to exceed \$5,000,000 and an original term of three years with the option to extend for two additional years, for a maximum of five years.

**SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY
BOARD OF DIRECTORS**

RESOLUTION No. _____

WHEREAS, The San Francisco Municipal Transportation Agency (SFMTA) wishes to obtain as-needed specialized engineering consultant services in a broad area of technical disciplines to supplement staff in the implementation of various projects under the direction of the Planning and Delivery subdivision; and,

WHEREAS, On February 19, 2026, the Director of Transportation notified the SFMTA Board of Directors that she authorized the issuance of a Request for Proposals (RFP) for SFMTA Contracts No. CS-194, CS-195, and CS-196, each with a not to exceed amount of \$5,000,000 and an original term of three years with the option to extend for two additional years, for a maximum of five years, in accordance with the SFMTA Board of Directors' Resolution No. 240604-061, which delegates the authority to issue bid calls to the Director of Transportation; and,

WHEREAS, The SFMTA issued the RFP on February 19, 2026; and,

WHEREAS, On April 2, 2026, the SFMTA received written proposals for the three contracts from RSE Corporation, HNTB Corporation, Hatch Associates Consultants, Inc., AECOM Technical Services, Inc., PGH Wong Engineering, Inc., Arup US, Inc., and DLR Group; and,

WHEREAS, A Technical Evaluation Team made up of members from the SFMTA and San Francisco Public Works evaluated the written proposals, conducted interviews, and selected HNTB Corporation, AECOM Technical Services, Inc., and PGH Wong Engineering, Inc. as the three highest-ranking proposers; and,

WHEREAS, Federal, state, and local sources will provide funding for the services on an as-needed, project-by-project basis; and,

WHEREAS, The Contract Compliance Office has confirmed the consultant's commitment to meeting the 25% Small Business Enterprise participation goal for each contract; and,

WHEREAS, On June 26, 2026, the SFMTA, under authority delegated by the Planning Department, determined that the As-Needed Specialized Engineering Services contract is not a "project" under the California Environmental Quality Act (CEQA) pursuant to Title 14 of the California Code of Regulations Sections 15060(c) and 15378(b); and,

WHEREAS, A copy of the CEQA determination is on file with the Secretary to the SFMTA Board of Directors and is incorporated herein by reference; now, therefore, be it,

RESOLVED, that the SFMTA Board of Directors authorizes the Director of Transportation to execute SFMTA Contracts Nos. CS-194, CS-195, CS-196, As-Needed Specialized Engineering Services for Federally Funded Projects with HNTB Corporation (HNTB), AECOM Technical Services, Inc. (AECOM), and PGH Wong Engineering, Inc. (PGH Wong), respectively, to provide technical and professional services on an as-needed basis with each contract amount not to exceed \$5,000,000 and an original term of three years with the option to extend for two additional years, for a maximum of five years.

I certify that the foregoing resolution was adopted by the San Francisco Municipal Transportation Agency Board of Directors at its meeting of August 4, 2026.

Secretary to the Board of Directors
San Francisco Municipal Transportation Agency

II. Scope of Services

The SFMTA is seeking qualified Proposers to provide a broad range of specialized engineering services and staff to complete task orders issued by the SFMTA, either by direct assignment of its own personnel or through Subconsultants, including, but not limited to, initial planning and programming, specialized studies, design support, construction support, construction management, special inspection and material testing, start-up and commissioning, and project closeout. Staffing expectations will be provided on a task order basis but may be up to full-time to provide support for the SFMTA's project delivery division, which manages facilities, transit optimization, fixed trackway, and major corridors projects. The scope of work is categorized below. Note that the work may not be specific to its category and is not limited to the following:

A. Planning

1. Preparing and reviewing alternative analyses and developing overall design approaches.
2. Performing field surveys using licensed surveyors, including but not limited to topographic/control mapping, track/rail survey (inside and outside of tunnels), monument referencing, utility surveys, LiDAR, and ground penetrating radar (GPR).
3. Identifying and coordinating with utility providers to obtain existing utility information, assessing potential conflicts, facilitating relocations or design adjustments, and coordinating with utility owners to resolve utility conflicts with proposed improvements by relocating conflicting utilities.
4. Performing underground utility locating and potholing to identify as-built utilities, producing utility composite drawings, redesigning conflicts, acquiring additional real estate, and/or work-around.
5. Developing project management plans in accordance with FTA requirements.
6. Providing various FTA reports, as requested, including risk registers and financial updates.
7. Providing quality assurance oversight, audits, plans, training, and assistance per FTA requirements.

B. Design

1. Providing engineering design documents (drawings, specifications, calculations) as the Designer of Record for transit optimization, facilities, fixed guideway, and major corridor projects, including but not limited to the following disciplines:
 - a. Architectural & Civil – architecture, landscape architecture, civil, structural, geotechnical, tunnel;
 - b. Mechanical, Electrical & Plumbing (MEP) – mechanical, electrical, plumbing, fire protection, photometrics;
 - c. Rail Systems & Transit Infrastructure – track, special track, signal, overhead contact system, electrification and power simulation studies.

2. Preparing or reviewing design and construction schedules, construction sequencing plans, and cost estimates (including bid items and descriptions), and performing schedule and phasing analyses to recommend project timelines and phasing strategies.
3. Performing or reviewing site investigations and functional analyses.
4. Performing geotechnical investigations and reports, including soil borings, sampling, coring, geophysical survey, laboratory testing, and recommendations on shallow and deep foundation design, seismic design criteria, total and differential settlement estimates, liquefaction evaluation, earthwork and site grading recommendations, and flexible and rigid pavement design criteria.
5. Identifying construction issues and constraints. Preparing and reviewing design packages (plans and specifications), including integration of all technical and contractual sections into one set of plans and specifications.
6. Conducting peer review to evaluate and address critical safety, technical, constructability, and operational issues, including assumptions, conclusions, and recommendations that are made by SFMTA staff or other consultants. Preparing peer review reports that summarize findings, conclusions, and recommendations.
7. Providing technical administrative support (e.g., file drawings, meeting minutes, and document control) using the SFMTA's existing document control system.
8. Incorporating the SFMTA's Quality Assurance/Quality Control (QA/QC) program into the design and construction packages.
9. Identifying special testing requirements, preparation testing, and start-up plans.
10. Providing engineering drafting support using AutoCAD Civil 3D, such as design and as-built drawings for various projects.
11. Performing preliminary and system hazard analyses, failure modes and effects analyses, single-point-of-failure analyses, hazard level classification, and safety certification of systems.
12. Providing systems engineering, including central control and communications system analysis, strategic analysis of the SFMTA's human and automated systems, systems integration, safety processes, configuration management, and related work.
13. Updating and standardizing project specifications to align with CSI Master Format standards to ensure consistency across all city departments.

C. Contracting

1. Assist in preparing procurement contracts for track, mechanical and electrical components, operating equipment, and long-lead items. The task may include performing product research, specifying products, and performing alternative analyses.
2. Conducting bid analyses by reviewing and evaluating project bids and/or proposals for completeness, compliance with project specifications, and cost reasonableness. This process will result in recommendations for contract award.

D. Construction

1. Providing design support during construction as supplementary staff to the Designer of Record or as the Designer of Record.
2. Providing engineering support during construction, including submittal and RFI review and response; preparing, reviewing, and negotiating change orders and proposed change orders; analyzing cost proposals and preparing cost estimates; evaluating schedules, recovery schedules, and fragnets; and providing other technical support.
3. Providing construction field engineering support (documentation and resolution of engineering issues including field investigations and evaluation of field conditions).
4. Providing construction management staff, such as a Resident Engineer (RE) and Assistant Resident Engineer (ARE) to oversee construction activities, ensure contract compliance, and manage day-to-day field operations. Staff will assist with documentation, inspections, and coordination among project stakeholders.
5. Providing day and night construction inspection support, including weekends.
6. Providing construction management support (e.g. claims analysis and negotiation plans, risk analysis, time impact analysis, and dispute review meeting documentation, such as position papers and backup documentation). Consultant is not expected to directly participate in claims negotiations for projects in construction that are primarily managed by the SFMTA.
7. Performing cost and schedule analyses of contracts, change orders, task orders, and contract modifications per FTA requirements; change order estimating and negotiation; schedule and delay analysis; constructability review; forensic cost and accounting analyses; and dispute analysis and review.
8. Performing special inspections as required by the City, including welding inspection with non-destructive testing (NDT), such as ultrasonic, magnetic particle, dye penetration, radiographic, and hardness testing, structural steel and high strength bolt (HSB) inspection, concrete inspection, grout inspection, soil testing, and fireproofing review. Testing work shall be conducted by certified inspectors and/or labs.
9. Performing laboratory material testing as required by the City, including soil, aggregate, steel, HSB, concrete cylinder and beams, grout cubes, hot mix asphalt, and fireproofing testing.
10. Providing Stormwater Pollution Prevention Plan (SWPPP) oversight, including regular inspections, reporting, and coordination with the contractor. This oversight work shall be conducted by a Qualified SWPPP Practitioner (QSP)/Qualified SWPPP Developer (QSD) certified staff. Frequency of inspection/reporting will be provided on a task order basis.
11. Performing system start-up and commissioning, including integration and pre-revenue “dry-run” testing, developing testing procedures, instrumenting vehicles and equipment, conducting tests, and providing test reports and analyses. Performing this work may require coordination with SFMTA Operations and Maintenance teams.
12. Coordinating with contractors to select Dispute Review Board and administering resolution processes.

13. Providing construction safety consulting services, including:
 - a. Reviewing contractor's safety record, providing recommendations on the quality of the Contractor's safety documents, and recommending scores of Occupational Safety and Health Administration (OSHA) serious, repeat, and willful violation citations.
 - b. Evaluating contractor-submitted site-specific Health and Safety Plans (HASP) and Job Hazard Analysis (JHA) forms for SFMTA projects.
 - c. Performing general safety services, such as conducting site monitoring field visits, preparing inspection reports, and documenting inspection findings.

E. Track/Rail

1. Predicting, analyzing, preventing, and mitigating noise and vibration from transit operations and equipment, and designing and monitoring mitigation measures.
2. Performing annual ultrasonic rail testing per SFMTA's Standard Operating Procedure (SOP) entitled "Track Inspection and Maintenance" (see Appendix H) to identify internal rail defects.
3. Performing tunnel inspections per SFMTA's SOP entitled "Tunnel Structural Inspection Procedures" (see Appendix I), including reporting findings and recommending tunnel repairs and issue mitigation strategies.
4. Providing safety certification oversight and required documentation to obtain System Safety and Security Program per CPUC General Order (GO) 164-D, which requires transit agencies who are building and operating rail fixed guideway systems to establish a System Safety and Security Program. The scope of work may include the following:
 - a. Researching and drafting safety standards.
 - b. Reviewing the contractor's system safety programs and hazard analysis.
 - c. Developing Safety and Security Certification Plans.
 - d. Leading or participating in the Safety and Security Certification Review Committee (SSCRC).
 - e. Maintaining the Audit Conformance Checklists.
 - f. Reviewing the contractor's safety requirements.
 - g. Auditing implementation of safety requirements and hazard resolution.

F. Environmental

1. Assisting in the preparation of California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) documentation, including technical studies, environmental assessments, and public outreach.
2. Conducting environmental sampling and material testing, such as asbestos or lead paint, and preparing testing reports.
3. Conducting environmental borings for subsurface soil and groundwater samples, including permitting, drilling, sample collection, logging, and borehole closure.
4. Assisting in preparing and submitting Maher Ordinance documentation and related testing.

5. Preparing Phase 1 and, if necessary, Phase 2 Environmental Site Assessments (ESAs), including site inspections, historical research, sampling, laboratory analysis, and reports that document the findings and recommendations.

G. Project Management

1. Providing qualified project managers to serve as assistant project managers. The scope of work may include the following:
 - a. Monitoring and reviewing project scope to ensure project alignment with the original scope.
 - b. Preparing task order schedules with deliverable milestones.
 - c. Overseeing design and construction activities and coordinating multi-disciplinary technical staff across organization boundaries.
 - d. Reviewing change orders with SFMTA teams and developing implementation recommendations.
 - e. Monitoring and inspecting contractor work to ensure compliance with contract plans, specifications, and schedules. If the work is found not to comply, the consultant shall notify the SFMTA and assist in resolving issues with the contractors.
 - f. Preparing and monitoring the project budget and schedule and assist with obtaining funding, as necessary.
 - g. Preparing monthly project reports and schedule updates.
 - h. Assisting with or preparing agency project reports, management presentations on project status, and presentations to various outside agencies related to project status.
2. Providing advice to the SFMTA on alternative delivery projects as an Owner-Advisor or Owner Representative. Work may include:
 - a. Validating project scope, budget, and schedule through independent analysis and stakeholder coordination to ensure alignment with SFMTA's project goals and performance requirements.
 - b. Providing ongoing oversight of design and construction activities, including cost and schedule monitoring, change management, and construction observation to ensure projects remain on track and meet quality standards.
 - c. Supporting final inspections, system commissioning, staff training, and document turnover to ensure smooth transition to operations and project readiness for use.