

METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS



REQUEST FOR PROPOSAL RFP #12-001

July 1, 2011

MULTIMODAL COORDINATION FOR BUS PRIORITY HOT SPOTS

I. METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS

The Metropolitan Washington Council of Governments (COG) is the regional organization of the Washington area's twenty one major local governments and their governing officials, plus area members of the Maryland and Virginia legislatures and the U.S. Senate and House of Representatives.

COG provides a focus for action on issues of regional concern such as comprehensive transportation planning, air and water quality management, environmental monitoring, tracking economic development and population growth and their effects on the region, coordinating public safety programs, and promoting child care and housing for the region. COG is supported by financial contributions from its participating local governments, federal and state government grants and contracts, and through grants and contracts from foundations and the private sector.

The *National Capital Region Transportation Planning Board (TPB)* is responsible for coordinating transportation planning at the regional level in Northern Virginia, Suburban Maryland and the District of Columbia. The TPB is the federally designated Metropolitan Planning Organization (MPO) for the region, and plays an important role as the regional forum for transportation planning. The TPB prepares plans and programs that the federal government must approve in order for federal-aid transportation funds to flow to the Washington region. Members of the TPB include representatives of the transportation agencies of the states of Maryland and Virginia and the District of Columbia, local governments, the Washington Metropolitan Area Transit Authority (WMATA), the Maryland and Virginia General Assemblies, and non-voting members from the Metropolitan Washington Airports Authority and federal agencies.

The TPB was created in 1965 by local and state governments in the Washington region to respond to a requirement of 1962 highway legislation for establishment of official Metropolitan Planning Organizations (MPOs). The TPB became associated with the Metropolitan Washington

Council of Governments in 1966, serving as COG's transportation policy committee. In consultation with its technical committee, the TPB is responsible for directing the continuing transportation planning process carried on cooperatively by states and local communities in the region.

II. PROJECT OVERVIEW

TPB/COG, working in close cooperation with the Washington Metropolitan Area Transit Authority (WMATA), the Maryland Department of Transportation (MDOT), the District of Columbia Department of Transportation (DDOT), and the Virginia Department of Transportation (VDOT), is seeking a Contractor experienced in traffic engineering and transit operations to conduct a regional study of roadway segments and intersections at which buses are experiencing significant delay ("hot spots"). The Contractor will work with state and local agencies to identify hot spots, evaluate possible solutions, and develop preliminary designs for the implementation of bus priority treatments that would improve bus operations.

A. Background

The Texas Transportation Institute (TTI) recently reported that the Washington D.C. metropolitan region has the highest delay per peak period auto commuter in the country, a statistic directly correlated to traffic congestion. Ironically, bus service is alleviating this congestion while simultaneously being impeded by it. There is no doubt that traffic delays are frustrating for all roadway users; however bus speed is directly linked to the operating cost of bus service. As congestion gets worse, the necessary jurisdictional operating subsidies for bus services increase. Concurrent and conflicting with this financial reality, operational priorities of roadway infrastructure continue to be largely focused on moving vehicles as opposed to a return on investment ideology or person-throughput metric.

In order to illuminate the cost efficiencies obtained from a person-throughput transportation infrastructure management paradigm, as well as to improve the attractiveness of surface transit, thereby increasing choice ridership and reducing traffic congestion and private automobile vehicle demand, WMATA, MDOT, DDOT and VDOT completed a long range planning study that identified a 20 year vision for surface transit enhancements entitled the Priority Corridor Network (PCN) Running-way Evaluation Study. Near term implementation of this vision is aimed at identifying opportunities for running-way improvements that could increase average bus speed and on-time performance on selected segments of the long range PCN vision. These "hot spots" are starting points for the longer term vision and are specific intersections or segments in which modest investments in bus priority improvements could significantly improve bus operations and reduce jurisdictional operating subsidies. WMATA conducted an initial identification and prioritization of hot spots on the Metrobus network, utilizing an analytical method developed to correlate existing Metrobus frequencies and slow bus speeds to help inform the near term PCN implementation phase. However, jurisdictional transit information was not included in this original analysis, which the scope of work described in this RFP will add.

B. Purpose

The purpose of this study is to 1) develop a hot spot list that incorporates data from all bus transit agencies serving the region, 2) prioritize a Top 10 list of hot spots for VA, MD and DC and identify the causes of slow bus speeds at each Top 10 hot spot, 3) recommend and develop preliminary designs for bus priority treatments that will improve average bus speeds, improve person throughput, and minimize person delay on the identified segments and/or intersections, and 4) quantify the anticipated capital costs and operating cost savings the recommended bus priority treatments would provide. TPB/COG, working in close cooperation with WMATA and the State DOTs, will provide oversight of the project.

This study is also aimed at continuing to build and enhance the regional modal cohesion related to establishing surface transit improvements as one tool in managing existing transportation infrastructure more effectively, an effort that was initially begun under the regional TIGER Grant for Priority Bus, PCN Running Way Evaluation study, and Regional Transit Signal Priority protocol. To that end, the study purpose also involves engaging modal stakeholders in the process. Therefore, hot spot identification, prioritization, mitigation and operating subsidy savings calculations will be coordinated through the TPB's Management, Operations and Intelligent Transportation Systems (MOITS) Technical Subcommittee with assistance from the TPB's Regional Bus Subcommittee (RBS). The project will address as many of the hot spot locations as possible, in order of priority developed under the guidance of the involved agencies through the MOITS Technical Subcommittee and the Regional Bus Subcommittee.

C. Tasks and Deliverables

Task 1: Project Management & Stakeholder Involvement

The consultant shall meet with TPB/COG, WMATA, and State DOT staff to finalize the scope, work plan and objectives of the study. The consultant will participate in monthly project management team meetings as well as provide written monthly progress reports to the project management team noting progress made, identifying future issues or areas of concern and detailing the project's financial situation. Consultant work shall be subject to the direction and approval of the TPB/COG Project Manager designated for this study.

Participation and assistance will be needed from state and local roadway agency staffs and transit agency representatives, to include commenting on Top 10 hot spot identification, providing input on implementation of bus priority treatments, and scoping possible costs, savings, and impacts from the roadway management and traffic engineering perspective. Therefore, in addition to the project management team meetings, the consultant will be expected to attend up to three (3) meetings each (6 total) of MOITS and the RBS to present study updates and obtain feedback from committee members representing the regional modal agencies.

Deliverables:

1. Revised Work Plan in electronic Microsoft Word and PDF format.
2. Project Management Meeting Minutes, in electronic PDF format.

3. Monthly status memos to the TPB/COG, WMATA and State DOT project representatives in electronic PDF format noting progress made, identifying future issues, and detailing financial information.
4. Presentations and supporting material suitable for stakeholder involvement, including the MOITS and RBS meetings.

Task 2: Develop Regional Top 10 “Hot Spot” Lists

WMATA created a Top 10 hot spot list for each of the three major jurisdictions (DC, MD, and VA) based on segment level Metrobus speed and bus trip information. However, this analysis needs to be expanded to include data from all of the local transit operators in order to develop a comprehensive regional hot spot list.

Task 2.1 Speed and Bus Trips Database Development

The consultant will obtain the bus speed and bus trip data used to develop the Metrobus “Hot Spot” list from WMATA. The consultant will then augment this information by gathering available bus speed and bus trip data from local transit agencies (including DASH, ART, The Bus, Ride-On, the Circulator, Fairfax Connector, PRTC and CUE). Local bus speed data may not be available from all providers and along all routes. Two possible methods for completing missing data fields include (but are not limited to):

- 1) Assuming local buses that are providing a similar service and traveling along the same route as a Metrobus are moving at identical speeds.
- 2) If no comparable Metrobus service traverses the segment, schedule information from the local jurisdictions can serve as a proxy for the actual speed.

Task 2.2 Development of Regional Top 10 Hot Spots List

Once the data has been gathered, a priority index will need to be calculated to help prioritize hot spots for evaluation. The consultant should propose a number of options (2 to 4) for methodologies that will produce an identification and prioritization of hot spots based on the data collected in Task 2.1. A final methodology shall be agreed upon by the Contractor and TPB/COG Project Manager in consultation with WMATA and State DOTs. An unconstrained list of hot spots across the region will be identified based on the accepted methodology. The list of hot spots shall be scored and sorted by major jurisdiction (VA, MD and DC) to identify an initial “Top 10” hot spot list for each jurisdiction (total of 30 locations) for field verification. The results should be displayed in a high quality GIS based map.

Deliverables:

1. Segment speed, bus trip data (including disaggregated Metrobus and local transit agency bus trips) and bus priority index scores for each segment in the region in a GIS layer(s).
2. Technical memorandum and map identifying the formula/methodology used to identify and prioritize the hot spots and the identification of the “Top 10” list for each of the major jurisdictions (VA, MD and DC).

Task 3. Field Verification of Data

The locations identified in Task 2 above are based exclusively on a data analysis. Therefore, field visit verification will need to be conducted in order to confirm the data analysis is correct.

The consultant will make a field visit to conduct a preliminary observation of the Top 10 hot spot locations in each jurisdiction (total of 30 locations) identified in Task 2. This field visit should verify that there is in fact a bus speed issue. If it is observed that the data used to generate the prioritization seems to have been inaccurate or if bus speeds do not seem to be an issue, the location should be dropped from the list and another location selected based on the bus priority index, insuring there will be 10 locations for each jurisdiction on the hot spot list. For each location that is dropped, a short explanation of the decision shall be provided.

Once a speed issue has been confirmed and documented, the consultant will need to categorize the problem according to two types: 1) bus operational deficiencies, or, 2) infrastructure constraints. If the majority of the problem seems to be bus operations related (i.e., stops located too close together, etc.) then a bus operational mitigation measure should be proposed (1-2 paragraphs). If, on the other hand, the observed speed issue is deemed to be infrastructure related, the issues should be noted and a short description (1-2 paragraphs) of potential solutions should be provided, both near-term (e.g., within existing right-of-way) and/or long-term. Consequently, each top 10 location should be field verified as having a speed issue and a preliminary identification conducted on the causes of the problem and potential near-term and/or long-term mitigation measures.

Deliverables:

1. Draft technical memorandum identifying 30 hot spot locations that have a verified bus speed issue and accompanying text (1-2 paragraphs per location) and maps (area map of each location clearly identifying the verified bus speed issue) on observed issues and potential near-term and/or long-term mitigation measures.
2. Final technical memorandum incorporating changes and addressing suggestions from the TPB/COG Project Manager, in consultation with WMATA and State DOTs.

Task 4. Preliminary Design Development

Hot spot locations that were identified as having infrastructure constraints in Task 3 will need to have preliminary designs developed for implementation of bus priority treatments, with an emphasis on near-term opportunities. The designs should assess bus operations and other vehicular traffic impacts and provide associated capital cost estimates and potential bus operating savings for the treatments considered for each hot spot. The preliminary designs should take into account as much as practicable any right of way, utility, and storm water constraints. The consultant should be prepared to communicate with roadway managers at the local and state level to identify potential constraints and any near-term and/or long-term plans for roadway reconstruction or other factors that may affect bus priority treatment implementation. The end result should be a list of “shovel ready” bus priority treatments for future funding opportunities.

A prioritized list of hot spot locations with infrastructure constraints for preliminary design evaluation will be developed by the consultant and approved by the TPB/COG Project Manager in consultation with WMATA and State DOTs and the MOITS and RBS. The consultant will develop preliminary designs beginning with the top priority infrastructure constrained location for each jurisdiction, including design drawings for bus priority treatments evaluated. The consultant will then estimate the improvements in bus operating speeds and person throughput and the changes in person delay and other vehicular traffic movement for the treatments. The treatment specific capital costs and the annual operational cost savings associated with the bus priority treatments over a 5 year and 20 year time horizon shall be calculated. Bus priority treatments to be evaluated should include, but are not limited to:

- Traffic signal optimization (passive transit signal priority)
- Active transit signal priority
- Queue jumps
- Bus only lane (both static and dynamic)

Once this has been completed, the consultant will move onto the next infrastructure constrained location. It is expected that at least two (2) preliminary designs for bus priority treatment physical infrastructure will be completed for each of the three “Top Ten” lists (i.e., in each major jurisdiction, for a total of six designs). Those locations not addressed with this effort may be funded in a separate, future, task.

Deliverables:

1. Draft preliminary design drawings, traffic impacts, cost estimates and expected bus operating cost savings over a 5 year and 20 year time horizon for at least two (2) locations in each of the three “Top Ten” lists.
2. Final preliminary design drawings incorporating changes and addressing suggestions from TPB/COG, WMATA, State DOTs, and local agencies represented through the MOITS and RBS.

D. Schedule

Project schedule:		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
Hot Spot Analysis												
Issue Notice to Proceed												
Task	1.0 Project Management											
Task	2.0 Develop Regional Top 10 “Hot Spot” Lists											
	2.1 Speed and Bus Trip Database											
	2.2 Regional Top 10 List											
Task	3.0 Field Verification of Data											
Task	4.0 Conceptual Design Development											

IV. DEFINITIONS USED IN THIS DOCUMENT

MWCOG/COG	The Metropolitan Washington Council of Governments
WMATA/ Metro	Washington Metropolitan Area Transit Authority
Consultant/ Contractor	The term used throughout this document to describe the individual or organization awarded the prime contract based on this solicitation.
Contracting Officer	The Executive Director of the Metropolitan Washington Council of Governments
TPB	Transportation Planning Board
Selection Committee	The Committee established to review the proposals received under this solicitation and recommend selection of contractors to the COG Contracting Officers.
Subcontractor	Any subcontractor hired by the contractor.

V. CONDITIONS

- a. The following conditions apply to the Contractor selected:
- b. Federal, State, or foreign taxes are not allowable.
- c. Legal fees of any type are not allowable without prior written approval of COG Contracting Officer.
- d. In the event the project is terminated by administrative action, the Contractor will be paid for work actually performed to the date of termination.
- e. Any work to be subcontracted to a "Subcontractor" shall be clearly identified and such "Subcontractor" shall be approved by COG prior to contract issuance.
- f. The Contractor, acting as an independent contractor, shall hold COG harmless from and shall be solely responsible, where found liable, for the payment of any and all claims for loss, personal injury, death, property damage, or otherwise, arising out of any act of omission or negligence of its employees or agents in connection with the performance of this work.
- g. In case of failure by the Contractor and/or Subcontractor to perform the duties and obligations imposed by the resulting contract, COG may, upon verbal notice, to be confirmed in writing, procure the necessary services from other sources and hold the Contractor and/or Subcontractor responsible for any and all additional costs occasioned thereby.

- h. The Contractor covenants that it presently has no interest, shall not acquire any interest, direct or indirect, which would conflict in any manner or degree with the performance of services required to be performed under this contract. The Contractor further covenants that in the performance of this contract, no person having any such interest shall be employed.
- i. It is understood that funding for the ensuing contract is contingent upon COG receiving funds from the sponsoring agency. Should funding from the sponsoring agency be delayed, for any reason, COG shall make a concomitant delay in funding to the Contractor.
- j. Payment will be made to the contractor within sixty (60) days following the receipt of correct invoice from the contractor and approval of the TPB/COG Project Manager. Contractor shall submit its final invoice within 30 days after expiration of the contract.

VI. INSTRUCTIONS, CONDITIONS AND NOTICES TO OFFERORS

- a. COG intends to award a single contract resulting from this solicitation to the responsible Offeror whose proposal conforms to the solicitation and will be most advantageous to COG, WMATA, and the State DOTs including cost, technical, and other requirements specified herein.
- b. COG may award a contract on the basis of initial offers received without discussion. Therefore, each initial offer should contain the Offeror's best terms from a price and technical standpoint. COG may communicate with Offerors in order to clarify, verify or obtain additional information about its past performance or experience.

VII. PERIOD OF PERFORMANCE AND TYPE OF CONTRACT

- a. The period of performance shall begin once the Executive Director of COG has signed a contract and continue through June 30, 2012. At TPB/COG's discretion, the period of performance may be extended without re-competition.
- b. The contract will be issued on a time-and-materials basis in an amount not to exceed two-hundred and six thousand dollars (\$206,000).

VIII. CONTENT OF PROPOSAL

Firms interested in providing the services described above, shall submit a proposal following the prescribed format. Adherence to the proposal format by all respondents will ensure a fair evaluation with regard to the needs of TPB/COG, WMATA, and the State DOTs. Respondents not following the prescribed format may be deemed non-responsive. The letter transmitting the proposal must be signed by an officer of the firm,

authorized to bind the respondent as required by this solicitation. The Respondents are discouraged from including company brochures or other non-relevant pre-printed material in their proposals. The proposal should include the following:

The proposal shall be in the following format:

Section 1. Understanding of the Project and Proposed Assistance Plan

Respondents shall describe in no more than eight (8) pages their understanding of the project and their approach for the completion of all of the tasks described herein, including project management, hot spot identification and prioritization methodologies (including the 2-4 options requested in Task 2.2), field verification of data and preliminary design development.

Proposals should address personnel assignment and labor to meet the following approximate level of effort:

- Task 1: Project Management & Stakeholder Involvement – 10-15%.
- Task 2: Develop Regional Top 10 “Hot Spot” Lists – 10-15%.
- Task 3: Field Verification of Data – 30-40%.
- Task 4: Preliminary Design Development – 30-50%.

Proposals should address personnel assignment and labor to meet the tasks and scope of effort identified in the above Schedule of Work. The qualifications of these personnel should be briefly reviewed in tandem with Section 2 of the proposal.

Proposals should address ability to travel to/from COG and WMATA offices and to hot spot locations for field verification of data and preliminary design studies.

Section 2. Qualifications of the firm and key personnel

This section shall provide the professional credentials and expertise of the firm(s) and key personnel assigned to this project. Relevant experience should be described, including traffic engineering field studies and impact analysis, roadway capital projects experience, and transit operations experience.

Respondents shall provide an affirmative statement that the key personnel proposed for this project shall be available for the project.

Section 3. Cost proposals for the contractor and any subcontractor(s).

This section shall provide the hourly costs, including all expenses, profits and fees, and rates for any travel costs that may be incurred to be charged to COG for providing the services described above. The staff proposed and their costs should be compared to the anticipated work requirements to develop a total cost for the project.

The contractor shall complete Attachment C, Cost and Price Analysis Form, and include it in this section.

Section 4. References of the contractor and any subcontractor(s).

The proposed contractor and any subcontractor shall provide at least three (3) references who WMATA, state DOTs, and/or COG may contact regarding similar work performed. Respondents may provide letters of reference from previous relevant clients. Names, titles, addresses and telephone numbers shall be included for each reference.

All three of these references shall include work in which the key personnel proposed have been assigned. The relevant work, roles and responsibilities should be briefly described for each key person.

IX. PRE-PROPOSAL CONFERENCE AND QUESTIONS

A pre-proposal conference will be held on Tuesday, July 12, 2011, at 10:00 a.m.

Location:

Meeting Room 1 / Ground Floor
Metropolitan Washington Council of Governments
777 North Capitol Street, N.E., Suite 300
Washington, D.C. 20002-4290

Prior to the conference, technical questions concerning the RFQ must be submitted in writing to Eric Randall at erandall@mwkog.org and to Sean Kennedy at SKennedy@wmata.com.

Procedural or administrative questions must be submitted in writing to Thomas Savoie at tsavoie@mwkog.org.

For those unable to attend the pre-proposal conference in person, please contact Eric Randall at erandall@mwkog.org to obtain conference call information.

X. SUBMISSION DATE AND CONTACT

Proposals shall be submitted by no later than 2:00 p.m., Friday, July 29, 2011.

Please place the RFP number on the outside of your submission. Proposals may not be submitted through fax or other electronic methods.

Offerors shall submit one (1) original and five (5) copies of their proposal, and also one “soft” copy on CD/DVD to:

Thomas Savoie
Contracts and Purchasing Manager
Metropolitan Washington Council of Governments
777 North Capitol Street, N.E., Suite 300
Washington, D.C. 20002-4290

XI. METHOD OF PROPOSAL EVALUATION AND SELECTION

The proposals will be evaluated by a contractor selection committee. The selection committee may hold, at COG's option, a pre-selection meeting with the top-ranked respondents. The final recommendation for selection to the COG Contracting Officer may be made based upon interviews and/or a best and final offer submitted by the respondents, if required by the selection committee. In evaluating the proposals, the following factors will be considered, with points awarded up to the maximum shown:

Factor	Points
Understanding and technical approach to the Project	50
Demonstrated knowledge and experience with roadway and traffic engineering and transit operations.	25
Cost and Price Analysis	15
DBE Participation	15
Total Points	100

XII. LATE PROPOSALS

Any proposal received at the email address designated in this RFP after the exact time specified for receipt, will not be considered unless it is the only proposal received. Any modifications to a proposal will be subject to these same conditions.

XIII. DISADVANTAGED BUSINESS ENTERPRISE

The Disadvantaged Business Enterprise (DBE) participation shall be an integral component of the consultant selection procedure for this RFP. COG has established a DBE goal of 15% for this project. COG's DBE Policy may be viewed on its website www.mwcog.org. Responding firms shall submit with their proposals a DBE Participation Plan to meet this goal. The plan shall identify any DBE (defined in 49 CFR Part 26) that shall be participating in the project. The plan shall include the name and address of the firm, a copy of the firm's current DBE Certification

from any federal, state or local government agency that certifies DBE ownership (please note only **DBE** certifications will be accepted by COG for this purpose).

A total of 15 possible points (out of a maximum of 100 points) may be awarded for DBE participation, as measured in dollars, either as the Contractor or "Subcontractor". In the event of a tie score between two or more proposals, the proposal with the largest percentage of DBE participation, as measured in dollars, will be awarded the contract. DBE points are to be awarded as follows:

PARTICIPATION POINTS

10% to 14%	3
15% to 19%	6
20% to 24%	9
25% to 34%	12
35% or more	15

SAMPLE DBE PARTICIPATION PLAN

DBE SUBCONTRACTOR		PERCENTAGE OF CONTRACT
Subcontractor:		
Address:		
Certifying State:	DBE Certification #	
Subcontractor:		
Address:		
Certifying State:	DBE Certification #	
Subcontractor:		
Address:		
Certifying State:	DBE Certification #	

ATTACHMENT A

STANDARD TERMS AND CONDITIONS

I. Energy Conservation – 42 U.S.C. 6321 et seq.

The Contractor agrees to comply with mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act.

II. Clean Water Requirements – 33 U.S.C. 1251 et seq.

1. The Contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Federal Water Pollution Control Act, as amended. The Contractor agrees to report each violation to COG and understands and agrees that COG will, in turn, report each violation as required to assure notification to appropriate federal agencies including the appropriate EPA Regional Office.
2. The Contractor also agrees to include these requirements in each subcontract exceeding \$100,000 financed in whole or in part with Federal assistance.

III. Lobbying – 31 U.S.C. 1352 et seq.

(To be submitted with each bid or offer exceeding \$100,000)

The undersigned certifies, to the best of his or her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal Loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of and Federal contract, grant, loan, or cooperative agreement.
2. If any funds or than Federal appropriated funds have been paid or will be paid to any person for making lobbying contacts to an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form—LLL, “Disclosure Form to Report Lobbying,” in accordance with its instructions [as amended by “Government wide Guidance for New Restrictions on Lobbying,” 61 Fed. Reg. 1413 (1/19/96). Note: Language in paragraph (2) herein as been modified in accordance with Section 10 of the Lobbying Disclosure Act of 1995 (P.L. 104-65, to be codified at 2 U.S.C. 1601, *et.seq.*)]
3. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

[Note: Pursuant to 31 U.S.C. § 1352(c)(1)-(2)(A), any person who makes a prohibited expenditure or fails to file or amend a required certification or disclosure form shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such expenditure or failure.]

The Contractor, _____, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. A 3801, *et seq.*, apply to this certification and disclosure, if any.

_____ Signature of Contractor's Authorized Official

_____ Name and Title of Contractor's Authorized Official

_____ Date

IV. Access to Records and Reports – 49 U.S.C. 5325

1. The Contractor agrees to provide COG, and if applicable the state or federal funding agency, the Comptroller General of the United States or any of their authorized representatives access to any books, documents, papers and records of the Contractor which are directly pertinent to this contract for the purposes of making audits, examinations, excerpts and transactions.
2. The Contractor agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.
3. The Contractor agrees to maintain all books, records, accounts and reports required under this contract for a period of not less than three years after the date of termination or expiration of this contract, except in the event of litigation or settlement of claims arising from the performance of this contract, in which case Contractor agrees to maintain same until COG, the applicable state or federal funding agency, the Comptroller General, or any of the their duly authorized representatives, have disposed of all such litigation, appeals, claims or exceptions related thereto.

V. Funding Agency Changes

Contractor shall at all times comply with all applicable state and federal agency regulations, policies, procedures and directives, including without limitation those listed directly or by reference in the funding agreement between such agency and COG, as they may be amended or promulgated from time to time during the term of this contract. Contractor's failure to comply shall constitute a material breach of this contract.

VI. Clean Air – 42 U.S.C. 7401 et seq

The Clean Air requirements apply to all contracts exceeding \$100,000, including indefinite quantities where the amount is expected to exceed \$100,000 in any year.

1. The Contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. §§ 7401 et seq. The Contractor agrees to report each violation to COG and understands and agrees that COG will, in turn, report each violation as required to assure notification to the funding federal agency, if any, and the appropriate EPA regional office.
2. The Contractor also agrees to include these requirements in each subcontract exceeding \$100,000 financed in whole or in part with Federal assistance.

VII. Recycled Products – 42 U.S.C. 6962

The Recycled Products requirements apply to all contracts for items designated by the EPA, when COG or the contractor procures \$10,000 or more of one of these items during the fiscal year, or has procured \$10,000 or more of such items in the previous fiscal year, using federal funds.

The Contractor agrees to comply with all requirements of Section 6002 of the Resource Conservation and Recovery Act (RCRA), as amended (42 U.S.C. 6962), including but not limited to regulatory provisions of 40 CFR Part 247, and Executive Order 12873, as they apply to the procurement of the items designated in Subpart B of 40 CFR Part 247.

VIII. No Government Obligation to Third Parties

1. The Contractor acknowledges and agrees that, notwithstanding any concurrence by the Federal Government in or approval of the solicitation or award of the underlying contract, absent the express written consent by the Federal Government, the Federal Government is not a party to this contract and shall not be subject to any obligations or liabilities of COG, the Contractor, or any other party (whether or not a party to that contract) pertaining to any matter resulting from the underlying contract.
2. The Contractor agrees to include the above clause in each subcontract financed in whole or in part with Federal assistance. It is further agreed that the clause shall not be modified, except to identify the subcontractor who will be subject to its provisions.

IX. Program Fraud and False or Fraudulent Statements and Related Acts – 31 U.S.C. 3801 et seq.

1. The Contractor acknowledges that the provisions of the Program Fraud Civil Remedies Act of 1986, as amended, 31 U.S.C. § 3801 et. seq. and all appropriate federal agency regulations apply to its actions pertaining to this Project. Upon execution of the underlying contract, the Contractor certifies or affirms the truthfulness and accuracy of any statement it has made, it makes, it may make, or causes to be made, pertaining to the underlying contract of the Federally assisted project for which this contract work is being performed. In addition to other penalties that may be applicable, the Contractor further acknowledges that if it makes, or caused to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification, the Federal Government reserves the right to impose the penalties of the

- Program Fraud Civil Remedies Act of 1986 on the Contractor or to the extent the Federal Government deems appropriate.
2. The Contractor also acknowledges that if it makes, or causes to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification to the Federal Government under a contract connected with a project that is financed in whole or in part with Federal assistance, the Federal Government reserves the right to impose the penalties of 18 U.S.C. § 1001 and 49 U.S.C. § 5307(n)(1) on the Contractor, to the extent the Federal Government deems appropriate.
 3. The Contractor agrees to include the above two clauses in each subcontract financed in whole or in part with Federal assistance. It is further agreed that the clause shall not be modified, except to identify the subcontractor who will be subject to the provisions.

X. Termination – 49 U.S.C. Part 18

Applicable to all contracts in excess of \$10,000

- a. **Termination for Convenience** – COG, by written notice, may terminate this contract, in whole or in part, at any time by written notice to the Contractor when it is in COG's best interest. If this contract is terminated, COG shall be liable only for payment under the payment provisions of this contract for services rendered before the effective date of termination.
- b. **Termination for Default [Breach or Cause]** – If the Contractor fails to perform in the manner called for in this contract, or if the Contractor fails to comply with any other provisions of the contract, COG may terminate this contract for default. Termination shall be effected by serving a notice of termination on the Contractor setting forth the manner in which the Contract is in default. The Contractor will only be paid the contract price for services performed in accordance with the manner of performance set forth in the contract. If it is later determined by COG that the Contractor had an excusable reason for not performing, such as strike, fire, or flood, events which are beyond the control of the Contractor, COG, after setting up a new delivery of performance schedule, may allow the Contractor to continue work, or treat the termination as a termination for convenience.
- c. COG in its sole discretion may, in the case of termination for breach or default, allow the Contractor ten (10) working days in which to cure the defect. In such case, the notice of termination will state the time period in which cure is permitted and other appropriate conditions.
If the Contractor fails to remedy to COG's satisfaction the breach or default of any of the terms, covenants, or conditions of this Contract within the 10 working days after receipt by Contractor of written notice from COG setting forth the nature of said breach or default, COG shall have the right to terminate the Contract without further obligation to Contractor. Any such termination for default shall not in any way operate to preclude COG from

also pursuing all available remedies against Contractor and its sureties for said breach or default.

- d. In the event COG elects to waive its remedies for any breach by Contractor of any covenant, term or condition of this Contract, such waiver by COG shall not limit COG's remedies for any succeeding breach of that or any other term, covenant, or condition of this Contract.

XI. Civil Rights Requirements – 29 U.S.C. § 62, 42 U.S.C. § 2000, 42 U.S.C. § 602, 42 U.S.C. § 12112, 42 U.S.C. § 12132, 49 U.S.C. § 5332

1. **Nondiscrimination** – In accordance with Title VI of the Civil Rights Act, as amended, 42 U.S.C. § 2000d, section 303 of the Age Discrimination Act of 1975, as amended, 42 U.S.C. § 6102, section 202 of the Americans with Disabilities Act of 1990, 42 U.S.C. § 12132, and all other provisions of Federal law, the Contractor agrees that it will not discriminate against any employee or applicant for employment because of race, color, creed, national origin, sex, age, or disability. In addition, the Contractor agrees to comply with applicable Federal implementing regulations.
2. **Equal Employment Opportunity** – The following equal employment opportunity requirements apply to the underlying contract:
 - a. **Race, Color, Creed, National Origin, Sex** – In accordance with Title VII of the Civil Rights Act, as amended, 42 U.S.C. § 2000e, the Contractor agrees to comply with all applicable equal employment opportunity requirements of U.S. Department of Labor (U.S. DOL) regulations, “Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor,” 41 CFR Parts 60 et seq., (which implement Executive Order No. 11246, “Equal Employment Opportunity,” as amended by Executive Order No. 11375, “Amending Executive Order 11246 Relating to Equal Employment Opportunity,” 42 U.S.C. § 2000e note), and with any applicable Federal Statutes, executive orders, regulations, and Federal policies that may in the future affect activities undertaken in the course of this Project. The Contractor agrees to take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, creed, national origin, sex, or age. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. In addition, the Contractor agrees to comply with any implementing requirements the funding federal agency may issue.
 - b. **Age** – In accordance with section 4 of the Age Discrimination in Employment Act of 1967, as amended, 29 U.S.C. § § 623 and other applicable law, the Contractor agrees to refrain from discrimination against present and prospective employees for reason of age. In addition, the Contractor agrees to comply with any implementing requirements the funding federal agency may issue.
 - c. **Disabilities** – In accordance with section 102 of the Americans with Disabilities Act, as amended, 42 U.S.C. § 12112, the Contractor agrees that

it will comply with the requirements of U.S. Equal Employment Opportunity Commission, "Regulations to Implement the Equal Employment Provisions of the Americans with Disabilities Act," 29 CFR Part 1630, pertaining to employment of persons with disabilities. In addition, the Contractor agrees to comply with any implementing requirements the funding federal agency may issue.

3. The Contractor also agrees to include these requirements in each subcontract financed in whole or in part with Federal Assistance, modified only if necessary to identify the affected parties.

XII. Breaches and Dispute Resolution

Disputes – Disputes arising in the performance of this Contract which are not resolved by agreement of the parties shall be decided in writing by the COG Executive Director or his/her designee. This decision shall be final and conclusive unless within ten (10) working days from the date of receipt of its copy, the Contractor mails or otherwise furnishes a written appeal to the Executive Director or his/her designee. In connection with any such appeal, the Contractor shall be afforded an opportunity to be heard and to offer evidence in support of its position. The decision of the Executive Director or his/her designee shall be binding upon the Contractor and the Contractor shall abide the decision.

Performance During Dispute – Unless otherwise directed by COG, Contractor shall continue performance under this Contract while matters in dispute are being resolved.

Claim for Damages – Should either party to the Contract suffer injury or damage to person or property because of any act or omission of the party or of any of its employees, agents or others for acts it is legally liable, a claim for damages therefore shall be made in writing to such other party within a reasonable time after the first observance of such injury or damage.

Remedies – Unless this contract provides otherwise, all claims, counterclaims, disputes and other matters in question between COG and the Contractor arising out of or relating to this agreement or its breach will be decided by arbitration if the parties mutually agree, or in a court of competent jurisdiction within the District of Columbia.

Rights and Remedies – The duties and obligations imposed by the Contract and the rights and remedies available there under shall be in addition to and not a limitation of any duties, obligations, rights and remedies otherwise imposed or available by law. No action or failure to act by COG or the Contractor shall constitute a waiver or any right or duty afforded to them under the Contract, nor shall any such action or failure to act constitute an approval of or acquiescence in any breach there under, except as may be specifically agreed in writing.

XIII. Patent and Rights in Data

A. Rights in Data - The following requirements apply to each contract involving experimental, developmental or research work:

(1) The term "subject data" used in this clause means recorded information, whether or not copyrighted, that is delivered or specified to be delivered under the contract. The term includes graphic or pictorial delineation in media such as drawings or photographs; text in specifications or related performance or design-type documents; machine forms such as punched cards, magnetic tape, or computer memory printouts; and information retained in computer memory. Examples include, but are not limited to: computer software, engineering drawings and associated lists, specifications, standards, process sheets, manuals, technical reports, catalog item identifications, and related information. The term "subject data" does not include financial reports, cost analyses, and similar information incidental to contract administration.

(2) The following restrictions apply to all subject data first produced in the performance of the contract to which this Attachment has been added:

(a) Except for its own internal use, the Purchaser or Contractor may not publish or reproduce subject data in whole or in part, or in any manner or form, nor may the Purchaser or Contractor authorize others to do so, without the written consent of the Federal Government, until such time as the Federal Government may have either released or approved the release of such data to the public; this restriction on publication, however, does not apply to any contract with an academic institution.

(b) In accordance with 49 C.F.R. § 18.34 and 49 C.F.R. § 19.36, the Federal Government reserves a royalty-free, non-exclusive and irrevocable license to reproduce, publish, or otherwise use, and to authorize others to use, for "Federal Government purposes," any subject data or copyright described in subsections (2)(b)1 and (2)(b)2 of this clause below. As used in the previous sentence, "for Federal Government purposes," means use only for the direct purposes of the Federal Government. Without the copyright owner's consent, the Federal Government may not extend its Federal license to any other party.

1. Any subject data developed under that contract, whether or not a copyright has been obtained; and

2. Any rights of copyright purchased by the Purchaser or Contractor using Federal assistance.

(c) For FTA Assisted Contracts - When FTA awards Federal assistance for experimental, developmental, or research work, it is FTA's general intention to increase transportation knowledge available to the public, rather than to restrict the benefits resulting from the work to participants in that work. Therefore, unless FTA determines otherwise, the Purchaser and the Contractor performing experimental, developmental, or research work required by the underlying contract to which this Attachment is added agrees to permit FTA to make available to the public, either FTA's license in the copyright to any subject data developed in the course of that contract, or a copy of the subject data first produced under the contract for which a copyright has not been obtained. If the experimental, developmental, or research work, which is the subject of the underlying contract, is not completed for any reason whatsoever, all data developed under that contract shall become subject data as defined in subsection (a) of this clause and shall be

delivered as the Federal Government may direct. This subsection (c) , however, does not apply to adaptations of automatic data processing equipment or programs for the Purchaser or Contractor's use whose costs are financed in whole or in part with Federal assistance provided by FTA for transportation capital projects.

(d) Unless prohibited by state law, upon request by the Federal Government, the Purchaser and the Contractor agree to indemnify, save, and hold harmless the Federal Government, its officers, agents, and employees acting within the scope of their official duties against any liability, including costs and expenses, resulting from any willful or intentional violation by the Purchaser or Contractor of proprietary rights, copyrights, or right of privacy, arising out of the publication, translation, reproduction, delivery, use, or disposition of any data furnished under that contract. Neither the Purchaser nor the Contractor shall be required to indemnify the Federal Government for any such liability arising out of the wrongful act of any employee, official, or agents of the Federal Government.

(e) Nothing contained in this clause on rights in data shall imply a license to the Federal Government under any patent or be construed as affecting the scope of any license or other right otherwise granted to the Federal Government under any patent.

(f) Data developed by the Purchaser or Contractor and financed entirely without using Federal assistance provided by the Federal Government that has been incorporated into work required by the underlying contract to which this Attachment has been added is exempt from the requirements of subsections (b), (c), and (d) of this clause, provided that the Purchaser or Contractor identifies that data in writing at the time of delivery of the contract work.

(g) Unless the federal funding agency determines otherwise, the Contractor agrees to include these requirements in each subcontract for experimental, developmental, or research work financed in whole or in part with Federal assistance.

(3) Unless the Federal Government later makes a contrary determination in writing, irrespective of the Contractor's status (i.e., a large business, small business, state government or state instrumentality, local government, nonprofit organization, institution of higher education, individual, etc.), the Purchaser and the Contractor agree to take the necessary actions to provide, through the federal funding agency, those rights in that invention due the Federal Government as described in

U.S. Department of Commerce regulations, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," 37 C.F.R. Part 401.

(4) The Contractor also agrees to include these requirements in each subcontract for experimental, developmental, or research work financed in whole or in part with Federal assistance provided by FTA.

B. Patent Rights - The following requirements apply to each contract involving experimental, developmental, or research work:

(1) General - If any invention, improvement, or discovery is conceived or first actually reduced to practice in the course of or under the contract to which this Attachment has been added, and that invention, improvement, or discovery is patentable under the laws of the United States of America or any foreign country, the Purchaser and Contractor agree to take actions necessary to provide immediate notice and a detailed report to the party at a higher tier until the Federal funding agency is ultimately notified.

(2) Unless the Federal Government later makes a contrary determination in writing, irrespective of the Contractor's status (a large business, small business, state government or state instrumentality, local government, nonprofit organization, institution of higher education, individual), the Purchaser and the Contractor agree to take the necessary actions to provide, through the Federal funding agency, those rights in that invention due the Federal Government as described in U.S. Department of Commerce regulations, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," 37 C.F.R. Part 401.

(3) The Contractor also agrees to include the requirements of this clause in each subcontract for experimental, developmental, or research work financed in whole or in part with Federal assistance.

XIV. Interest of Members of Congress

No member of or delegates to the Congress of the United States shall be admitted to a share or part of this Contract or to any benefit arising there from.

XV. Interest of Employees of COG

No employee of COG who exercises any functions or responsibilities in review or approval of the undertaking or carrying out the Project during his or her tenure or one year thereafter, shall have any personal interest, direct or indirect, apart from his or her official duties, in this Contract or the proceeds thereof.

XVI. Interest of the Contractor

The Contractor covenants that it has presently no financial interest, shall not acquire any financial interest, direct or indirect, which would conflict in any manner or degree with the performance of services required to be performed under this CONTRACT. The Contractor further covenants that, in the performance of this Contract, no person having any such interest shall be employed.

XVII. Allowable Costs

Only those costs which are consistent with Title 48 Part 31 of the Code of Federal Regulations shall be reimbursed under this Contract.

XVIII. Covenant Against Contingent Fees

The Contractor warrants that it has not employed any person to solicit or secure this Contract upon any agreement for a commission, percentage, brokerage or contingent fee. Breach of warranty shall give the Contracts Officer the right to terminate this Contract or,

in his discretion, to deduct from the Contract price or consideration the amount of such commission, percentage, brokerage or contingent fees. This warranty shall not apply to commissions payable by the Contractor upon contracts or sales secured or made through a bona fide established commercial or selling agency maintained by the Contractor for the purpose of securing business.

XIX. Indemnification

The Contractor, acting as an independent contractor, shall hold COG harmless from and shall be solely responsible, where found liable, for the payment of any and all claims for loss, personal injury, death, property damage, or otherwise, arising out of any act of omission or negligence of its employees or agents in connection with the performance of this work.

XX. Severability

It is understood and agreed by the parties that if any of these provisions shall contravene, or be invalid under, the laws of the particular state, county or jurisdiction where used, such contravention or invalidity shall not invalidate the whole agreement, but the Contract shall be construed as if not containing the particular provision or provisions held to be invalid in the said particular state, county or jurisdiction and the rights and obligations of the parties shall be construed and enforced accordingly.

XXI. Assignments

This Contract shall not be assigned, sublet or transferred in whole or in part by the Contractor, except with the previous written consent of the COG Contracting Officer or his designee.

XXII. DBE Assurances

The contractor or subcontractor shall not discriminate on the basis of race, color, national origin or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of USDOT assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or other such remedy as the recipient deems appropriate.

XXIII. Entire Agreement

This Contract sets forth the entire understanding of the parties and supersedes all previous agreements, whether oral or in writing, relating to the subject matter hereof. This Contract may only be altered, amended or modified in accordance with Changes Clause of this Contract.

ATTACHMENT B

**CERTIFICATION REGARDING
DEBARMENT, SUSPENSION, AND OTHER
RESPONSIBILITY MATTERS**

The prospective vendor certifies to the best of its knowledge and belief that it and its principals:

- Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any department or agency of the District of Columbia, State of Maryland or the Commonwealth of Virginia or any of the 22 jurisdictions comprising the membership of the Metropolitan Washington Council of Governments (COG);
- Have not within a three year period preceding this date been convicted of or had a civil judgment rendered against them for commission of fraud or criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State or local) with commission of any of the offenses enumerated above of this certification; and
- Have not within a three-year period preceding this date had one or more public transactions (Federal, State or local) terminated for cause or default.

Vendor understands that a false statement on this certification may be grounds for rejection of any submitted proposal or quotation or termination of any award. In addition, under 18 USC Sec. 1001, a false statement may result in a fine of up to \$10,000 or imprisonment for up to 5 years, or both if federal funds are being used to support the procurement.

Typed Name of Vendor

Typed Name & Title of Authorized Representative

Signature of Authorized Representative

Date

ATTACHMENT C - COST AND PRICE ANALYSIS

NAME OF FIRM:

ADDRESS OF OFFEROR:

CATEGORY		AMOUNT	
I. DIRECT LABOR	ESTIMATED HOURS	RATE/ HOUR	
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
II. LABOR OVERHEAD	RATE	BASE	_____
III. EQUIPMENT (Identify)			_____
IV. SUPPLIES			_____
V. TRAVEL			_____
VI. CONSULTANTS	AMOUNT		_____
_____			_____
_____			_____
_____			_____
VII. PRINTING/REPRODUCTION			_____
VIII. OTHER DIRECT COSTS (Identify)			_____
IX. INDIRECT COST	RATE	BASE	_____
	_____	_____	_____
	ESTIMATED COST		_____
X. FEE			_____
	TOTAL COST		=====

TYPED NAME:

SIGNATURE:

TITLE:

DATE: