

**Metro**Los Angeles County
Metropolitan Transportation AuthorityOne Gateway Plaza
Los Angeles, CA 90012-2952213.922.2000 Tel
metro.net**CONSTRUCTION COMMITTEE****OCTOBER 16, 2014****SUBJECT: GATEWAY CITIES STRATEGIC TRANSPORTATION PLAN PHASE II
CONTRACT MODIFICATION NO. 5****ACTION: AWARD CONTRACT MODIFICATION****RECOMMENDATIONS**

- A. Authorize the Chief Executive Officer (CEO) to execute Modification No. 5 to Contract No. PS 4720-3004 with Cambridge Systematics, Inc. to provide engineering and facilitation services for a period of 6 months in an amount not-to-exceed \$1,250,887 increasing the total Contract Value from \$8,147,054 to \$9,397,941.
- B. Authorize the Chief Executive Officer to amend the FY14 budget to add \$1,250,887 of expenses to Highway Capital, 4720 for the purpose of funding this contract modification.

ISSUE

Metro and the Gateway Cities Council of Governments (GCCOG) are developing a Strategic Transportation Plan (STP) to provide a framework for transportation investment decisions that impact the entire sub-region over the next 30 years. The majority of the technical analyses and reports that form the basis of the STP have been completed. However, additional funding is required for: supplemental outreach and coordination with cities and other stakeholders; additional traffic modeling; supplemental coordination and technical support for goods movement technology projects; supplemental finance and funding support; the development of a Comprehensive Economic Development Strategy; and the development of a Mobility Matrix. These supplemental tasks were identified by the GCCOG and Metro as necessary to develop consensus for the STP and in support of the eventual adoption of the Plan by the GCCOG.

DISCUSSION

Background

Over the past 15 years, the GCCOG and Metro in cooperation with other agencies have prepared numerous transportation studies for projects and programs in the Gateway Cities sub-region. However, there are multiple transportation projects that are in, or pass through Gateway Cities and also impact the area's transportation system. Metro and the GCCOG identified the need to develop a plan that would provide a framework for making future transportation infrastructure investments (utilizing Measure R as a primary fund source and as leverage) in Gateway Cities to ensure the realization of mobility goals and congestion relief benefits in the most cost-effective manner. To this end, on January 24, 2013, the Board awarded a contract to Cambridge Systematics, Inc. to develop the STP for the Gateway Cities subregion. Based on the findings of the STP, GCCOG and Metro staff will develop recommendations on a number of projects to be advanced utilizing sub-regional Measure R funds. Since 2013, Metro and the GCCOG have been working to complete the technical analyses that form the basis of the Plan and with local communities to incorporate their input and project ideas. The majority of the technical analyses are now complete and Metro and GCCOG staff has begun working with individual cities to develop consensus for the plan.

Purpose and Need for the Contract Modification

In working with individual cities and other stakeholders, Metro and GCCOG staff has identified the need for additional activities, support and deliverables required to develop consensus on the STP and in support of the eventual adoption of the Plan by the GCCOG. These activities and deliverables include: additional outreach to the cities; additional project development support for active transportation projects; supplemental traffic modeling; additional technical and coordination support for goods movement technology projects; supplemental finance and funding support; and a Comprehensive Economic Development Strategy. Additionally, the GCCOG will also utilize the results of the STP to develop a Mobility Matrix to inform Metro's Long Range Transportation Plan Update. A summary of the activities and deliverables to be provided under this contract modification is provided below. A detailed statement of work is provided in Attachment C.

DETERMINATION OF SAFETY IMPACT

The Gateway Cities STP Contract Modification No. 5 will have no impact on safety of Metro's patrons or employees.

FINANCIAL IMPACT

The funding of \$200,000 for this project is included in the FY14 budget in cost center number 4720, Highway Capital, under project number 460314, I-605 Hot Spots. Given that the amount required for this contract modification exceeds the budgeted amount for

the project, a budget amendment in the amount of \$1,250,887 of expenses to (Highway Capital, 4720) will be required.

Impact to Budget

The source of funds for this project will be from Measure R 20% Highway Funds. No other sources of funds were considered as these have been identified for this project. These funds are not eligible for bus and rail operating and capital expenditures.

ALTERNATIVES CONSIDERED

Two alternatives were considered:

1. Utilizing Metro staff to conduct the additional efforts. This alternative is not recommended because Metro does not have the staffing availability or the specific expertise to support these efforts.
2. Not authorizing the CEO to negotiate, award and execute the contract modification. Staff is not recommending this alternative because the STP will be used by Gateway Cities in their development of priorities for the use of Measure R sub-regional highway operational funds and reflects a broad-based consensus of local jurisdictions. Approval to proceed with the Gateway Cities Transportation Strategic Plan Contract Modification No. 5 is consistent with the goals of Measure R.

NEXT STEPS

Upon Board approval, staff will issue the Notice to Proceed.

ATTACHMENTS

- A. Procurement Summary
- B. Contract Modification/Change Log
- C. Contract Modification No. 5, Supplemental Statement of Work

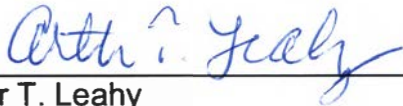
Prepared by: Lucy Olmos, Transportation Planning Manager, (213) 922-7099
Ernesto Chaves, Transportation Planning Manager, (213) 922-7343



Bryan Pennington
Executive Director
Engineering & Construction



Stephanie Wiggins
Executive Director
Vendor/Contract Management



Arthur T. Leahy
Chief Executive Officer

PROCUREMENT SUMMARY

GATEWAY CITIES TRANSPORTATION STRATEGIC PLAN PHASE II
CONTRACT MODIFICATION NO. 5

1.	Contract No.: PS 4720-3004		
2.	Contractor: Cambridge Systematics, Inc.		
3.	Mod. Work Description: Supplemental Statement of Work, Additional funding and Contract Extension		
4.	Work Description: Gateway Cities Transportation Strategic Plan Phase II		
5.	The following data is current as of :	September 2, 2014	
6.	Contract Completion Status:		
	Bids Opened	N/A	Financial Status
	Contract Awarded:	01/31/13	Contract Award Amount: \$7,580,730
	LNTP:	01/31/13	Total of Modifications Approved: \$566,324
	Orig. Complete Date:	04/30/14	Pending Modifications (including this action): \$1,250,887
	Current Est. Complete Date:	12/31/14	Current Contract Value (with this action): \$9,397,941
7.	Contract Administrator: Greg Baker	Telephone Number: (213) 922-7577	
8.	Project Manager: Ernesto Chavez	Telephone Number: (213) 922-7343	

A. Procurement Background

This Board Action is to approve Modification No. 5 to Contract No. PS4720-3004 issued to Cambridge Systematics, Inc. for completion of the Gateway Cities Transportation Strategic Plan Phase II study.

Modification No. 5 identifies additional services required to complete the Gateway Cities Strategic Transportation Plan. The modification includes additional outreach activities, document revisions for the Active Transportation Plan, additional traffic model runs, supplemental work for task 17.1 Technology Support, task 22.1 Finance & Funding, the Economic Development Strategy task, and additional project management support. Additionally, Modification No. 5 extends the contract for an additional six (6) months from twenty-four (24) months to thirty (30) months with a revised contract end date of June 30, 2015.

This contract modification will be processed in accordance with Metro's Acquisition Policy and Procedure and the contract type will be Cost-Plus-Fixed-Fee (CPFF).

On January 24, 2013, the Board approved Item 19 for a CPFF Contract No. PS4720-3004 to Cambridge Systematics, Inc. for an amount not-to-exceed \$7,662,203. A negotiated amount of \$7,580,730 was incorporated into the executed contract for fifteen (15) months for the Gateway Cities Transportation Strategic Plan Phase II Study. The board also approved 15% contract modification authority utilized for unforeseen issues that arose during the performance of the contract.

Attachment B shows that four modifications have been issued to date.

B. Cost/Price Analysis

A fair and reasonable price will be negotiated based upon MAS audit findings, an independent cost estimate prepared by the Project Manager, cost analysis, technical evaluation, and negotiations.

	Proposal Amount	Metro Independent Cost Estimate	Not-to-Exceed Amount	Negotiated Amount
1.	\$1,250,887	\$1,039,350	\$1,250,887	TBD

C. Small Business Participation

The Diversity and Economic Opportunity Department (DEOD) recommended a 23% Small Business Enterprise (SBE) goal for this procurement. Cambridge Systematics made a 23.80% SBE commitment. The project is 86% complete and the current SBE participation is 21.78%, with a 2.02% shortfall. Currently Cambridge Systematics is not meeting their SBE commitment, but they fully anticipate achieving their commitment based on two elements: 1) an outstanding invoice that has dollars allocated to SBE firms, that when it is paid, Cambridge will be meeting their commitment and 2) there is significant budget remaining for two SBE subs, which Cambridge anticipates using to full capacity by the time the project concludes.

SMALL BUSINESS CONMMITMENT	SBE 23.80%	SMALL BUSINESS PARTICIPATION	SBE 21.78%
-----------------------------------	-------------------	-------------------------------------	-------------------

	SBE Subcontractors	% Committed	% Participation
1.	AFSHA Consulting Inc.	1.28%	1.55%
2.	Arellano Associates	2.58%	4.92%
3.	EIGER Teach Systems, Inc.	1.95%	1.93%
4.	Intueor Consulting	2.07%	0.72%
5.	Sharon Green and Associates	0.90%	0.76%
6.	V&A, Inc.	3.30%	0.00%

7.	WILTEC	0.53%	0.00%
8.	WKE, Inc.	11.19%	11.91%
	Total Commitment	23.80%	21.78%

CONTRACT MODIFICATION/CHANGE LOG

GATEWAY CITIES TRANSPORTATION STRATEGIC PLAN PHASE II
CONTRACT MODIFICATION NO. 5

	Original Contract	1-31-13	\$7,580,730
Mod No. 1	Mod No. 1 included a supplemental study in the Statement of Work (SOW) and additional funding for the East/West Freight Corridor Geotechnical Study. Mod No 1 did not affect the Period of Performance (POP).	8-29-13	\$69,800
Mod No. 2	Mod No. 2 re-allocated and de-scoped tasks 3, 7, 8 and 21 from the original SOW and incorporated tasks 1B, 2A, 2B, 6.1.a, 6B, 12B, 15B, 17A, 17A.1, 17B, 99A and 99B. Mod No. 2 included additional funding and did not affect the POP.	11-15-13	\$398,225
Mod No. 3	Mod No. 3 extended the contract end date by 4 months to 7-31-14 and incorporated HDR as a subcontractor.	2-11-14	\$0
Mod No. 4	Mod No. 4 re-allocated and de-scoped tasks 6, 9, 13, 16, 18 and ODCs from the original SOW and added new tasks 1, 14A, 15A, 17A and 20A. . Mod No. 4 included additional funding and extended contract by 4 months for a revised en date of 12-31-14.	5-29-14	\$98,299
Mod No. 5	Pending Board Approval		NTE \$1,250,887
	Total:		\$9,397,941

**CONTRACT MODIFICATION # 5 PS 4720-3004
SUPPLEMENTAL STATEMENT OF WORK
Dated July 21, 2014
Revised August 26, 2014**

Supplemental Tasks

The following tasks supplement the original statement of work. Additionally, as part of this modification we would like to extend the contract period of performance by 6 months from 24 months to 30 months with a revised contract end date of June 30, 2015.

Task 1 – Project Management

The contractor will provide an additional 8 months of project management from Notice-to-Proceed (NTP).

Deliverables will include:

- Project Invoices
- Progress Reports
- Agendas and minutes for monthly progress meetings
- Project schedule and any updates

Due Date: 8 months from NTP

Task 2 – Coordination and Meeting Support

Subtask 2.1- Coordination

The contractor will provide additional coordination for the duration of this supplemental modification to the existing contract. It should be assumed that monthly meetings (as a minimum), in a working group format, will be held from project initiation to completion. In addition, many individual meetings with other agencies, groups, or others will also occur as often as needed to finalize details. The Contractor will manage and facilitate all of these meetings, provide all the material needed and distributed 3 days in advance of meetings (including meeting summaries).

Deliverables will be on going coordination throughout the entire supplemental modification between contractor's team, Metro, Gateway Council of Governments (GGCOG), other agencies and stakeholders.

Due Date: 8 months from NTP

Subtask 2.2- Supplemental Outreach (Optional)

Should the need arise for supplemental outreach, the contractor will be directed by Metro to work with the GCCOG and Metro on messaging, notification, and logistics for one Strategic Transportation Plan (STP) workshop. The goal of the workshop will be to provide an opportunity for cities to get in-depth knowledge of the various components of the STP and provide critical feedback to the project team. The contractor will help plan the event and provide staff to support the technical discussions of the event. *Note: Facility and food will be provided by the Gateway Cities COG.*

Deliverable: Event coordination and collateral materials

Due Date: If option is exercised, 3 months from NTP

Subtask 2.3 – Collateral Material

Prepare individual STP fact sheets for each of the Gateway Cities, incorporating all the proposed improvements listed in the STP in a map. Edit all existing newsletters and videos with updated information.

Deliverables: One fact sheets for each of the Gateway Cities (total of 27 fact sheets). Update newsletters and videos.

Due Date: 4 weeks from NTP

Subtask 2.4 – Mobility Matrix Coordination

Using existing STP data develop a project categorization (near-, medium-, and long term implementation). Working through the Gateway Cities Public Works Officer Committee, develop an approved Mobility Matrix, which will categorize the projects based on a needs criteria. Additionally, coordination with Metro's Subregional Mobility Matrices Development will be required for consistency with other subregions.

Deliverables: Gateway Cities COG Mobility Matrix

Due Date: 4 months from NTP

Task 12. Sub-regional Transportation Sub-Area Demand Forecast and Simulation Model Development

Sub-Task 12.1 – Active Transportation Plan – Additional Project Sheets Development and Stakeholder Coordination Implementation

The Active Transportation Plan (ATP) identifies 53 regionally significant bicycle project ideas to be developed, ten of these "ideas" have had project sheets prepared that can be used for grant applications and for more detailed stakeholder collaboration. The

scope of work will complete the project sheets for the remainder of the projects and also have the following performed:

1. Prepare project sheets for the remaining bicycle project ideas (43) in the ATP.
2. Meet with stakeholders to review project sheets for all 53 projects, receive input and finalize and determine feasibility and details.
3. Meet with these stakeholders and others to determine if additional bicycle project ideas are needed (or revised based on input from project sheets for the original 53 "ideas").
4. Meet with stakeholders if additional active transportation projects are needed for other active transportation projects like walking.
5. Review freeway improvement plans and master plan for arterial highways to analyze for considering with active transportation projects and provide an analysis, including changes in design to better provide for active transportation projects.
6. Work with GCCOG and local communities to determine framework to develop grant applications, funding and implementation strategies.
7. Prepare and process an updated active transportation plan for all these projects, including an assessment of role for Gateway Cities in preparing (or assisting with) grant applications and possible implementation as indicated above.

Deliverables: 43 Draft and Final Project Sheets, Additional Project Concepts (if necessary), Materials and Meeting Attendance.

Due Date: 8 months from Notice to Proceed

Task 6 – Additional Traffic Modeling Forecast Scenarios and Analysis

SubTask 6.1 Conduct Supplemental Macro Model Runs

Using the same traffic model from STP, the contractor shall conduct 3 additional I-710 sensitivities scenarios. The detailed technical assumptions for each scenario will be developed in collaboration with the I-710 Corridor Project technical team.

Options: In addition, the following model runs may be needed supplement the STP analysis and shall be conducted only after directed from Metro:

1. Optional: I-710 off-dock rail yards with no increase in through-put (off-dock rail yard through-put occurring east of I-605) (with and without SCIG and ICTF).
2. Optional: Update Scenario 10 (SR-60 Gold Line Sensitivity Test) with new information from Gold Line DEIR/SEIS (figure 3 options).
3. Optional: Update Scenario 10 (SR-60 Gold Line Sensitivity Test) with new preliminary analysis for extending Gold Line into Orange County.
4. Optional: EWFC truck volumes with and without direct connection ramps at I-605 at SR-60/I-605 interchange (coordinate with SR-60/I-605 PSR-PDS contractor for details).

5. Optional: EWFC truck volumes west of I-605 with new assumptions 1 listed above.
6. Optional: Additional transloading warehouse locations within Gateway Cities.

Deliverables: Model comparison results memoranda for each run, including measures of effectiveness, system level of service and daily volumes. Presentations before the I-405/I-605/SR-91 TAC, I-710 TAC, and I-5 JPA, detailing measures of effectiveness on these corridors under various scenario assumptions.

Due Date: For the 3 additional I-710 sensitivities scenarios-3 weeks from NTP
For the option items, if option is exercised, 3 months from NTP

Task 17.1 – Supplemental Technology Support

Additional support for the ongoing goods movement technology, components include:

- Supporting the regions efforts in pursuing funding for the commercial connected vehicle demonstration test. Includes supporting any submission the region has for the FHWA call for projects coming out in FY15.
- Continue to assist GCCOG and Metro's support of the Freight Advanced Traveler Information System (FRATIS) demonstration. Includes recruiting new terminal operators and drayage companies to participate in an expanded demonstration.
- Support GCCOG and Metro in pursuing California Energy Commission (CEC) and Air Resources Board (ARB) funding for implementing technology projects identified in the STP.
- Continue to support the GCCOG and Metro as they explore how ZE technology demonstration in the region can serve as a catalyst for economic development in the region.
- Develop, as directed, institutional support and gather cross jurisdictional agreements for deploying the smart corridors identified in the STP.
- Sponsor a smart corridor technology vendor showcase; highlighting emerging arterial CV technology.
- Finalize Truck Enforcement Network System TENS document based on new direction provided by the GCCOG.

Deliverables: Recruit new terminal operators and drayage companies to participate in FRATIS demonstration, develop cross-jurisdictional agreements for deploying STP smart corridors, final TENS document and drawings reflecting revised stakeholder input.

Due Date: 8 months from NTP

Task 22.1 – Supplemental Finance & Funding Support

The contractor will provide additional supplemental support on the finance and funding task. Tasks will include:

Working with Metro and the GCCOG staff, develop a strategic funding program for the STP with the objective of securing new regional, state or federal funding to support the elements of the STP. Focus on and place as a high priority funding source: Cap and Trade revenue allocation program, authorized under provisions of SB 862 (2014). Monitor state and regional administrative processes associated with the Cap and Trade funding program.

Contractor will prepare a draft an unsolicited proposal to the California Air Resource Board stating the GCCOG's interest in securing a multi-year funding commitment supported by Cap and Trade revenues to support the development and implementation of a zero emission transportation technology program.

Deliverables: Strategic implementation for STP funding, proposal to CARB on securing multi-year funding commitment for a zero-emission technology program.

Due Date: 4 months from NTP

NEW TASK: Comprehensive Economic Development Strategy (CEDS)

The Comprehensive Economic Development Strategy (CEDS) will build upon the work done with transportation project development through the STP and determine what are the likely economic development impacts associated with the mobility improvements or as a result of the mobility improvements. The CEDS analysis will provide direction for the phasing of future projects and approaches to matching land use with transit and other mobility improvements.

The scope for this task includes:

- Form a Strategy Committee
- Review Area Background and Current Condition of the Region
- Analyze Economic Development Problems and Opportunities
- Develop CEDS Goals and Objectives
- Conduct Focus Groups
- Discuss Community and Private Sector Participation
- Establish Strategic Projects, Programs, and Activities
- Prepare CEDS Plan of Action
- Establish Performance Measures
- Finalize Comprehensive Economic Development Strategy

Deliverables: Final Comprehensive Economic Development Strategy report.

Due Date: 5 months from NTP.

End of Statement of Work