



Request for City Council Committee Action From the Department of Public Works

Date: June 10, 2003
To: Honorable Sandra Colvin Roy, Chair Transportation & Public Works Committee
Referral to: Honorable Barb Johnson, Chair Ways & Means Committee
Subject: 4th Street Reverse Flow Bus Lane – MnDOT Agreement

Recommendation:

1. Execute State Contract #84365 to receive federal funds for the 4th Street Reverse Flow Bus Lane Project pending City Attorney approval

Previous Directives:

- April 20, 2001 T&PW & W&M/Budget – Directed staff to authorize Amendment #1 to State Contract #79282 (City Contract #14456)

Prepared by: Jon Wertjes, Asst. Director of Transportation and Parking Services, 673- 2614
Approved by: Klara A. Fabry, P.E., City Engineer, Director of Public Works

Jon Wertjes, P.E., Asst. Director, Transportation and Parking Services
Presenters: Jon Wertjes, P.E.

Financial Impact (Check those that apply)

No financial impact - or - Action is within current department budget.
(If checked, go directly to Background/Supporting Information)

- Action requires an appropriation increase to the Capital Budget
 Action requires an appropriation increase to the Operating Budget
 Action provides increased revenue for appropriation increase
 Action requires use of contingency or reserves
 Other financial impact (Explain):

Request provided to the Budget Office when provided to the Committee Coordinator

Background/Supporting Information:

The April 20, 2001, City Council Action meeting directed staff to:

“execute Contract Amendment #1 to State Contract #79282 (City Contract #14456) with the State of Minnesota relating to the 4th Street Reverse Flow Bus Lane project, amending the contract to reflect an extended term through August 31, 2001 and a change in cost participation and maximum federal funding.” (See Attachment B)

The State desires to create a new contract rather than amend an existing contract. As such City staff have developed a revised Scope of Work dated May 5, 2003 (see Attachment A). This revised scope includes the 4th Street tunnel work presently underway and provisions for adding transit shelters. The contract period will be from January 1, 2000 to June 30, 2004.

Unchanged in this Scope of Work is the total budget of \$775,000 of which 80% (\$620,000) is a federal grant. Existing City funds and contributions by others are fulfilling the 20% match requirements. No changes are needed in the City appropriation Resolution 2001R-161.

Attachment A – Scope of Work, May 5, 2003

Attachment B – April 20, 2001 City Council Action

**Attachment A - Scope of Work
Minneapolis Reverse Flow Bus Lane
May 5, 2002**

Task Number	Task Description	Estimated Time Line	Responsibilities	Estimated Cost
1.0	Preliminary Schematic Design for Two Alternatives	Jan – Apr, 2000	BRW/URS	\$11,500
2.1	Traffic Forecasts and Operation Analyses	Jan – Apr, 2000	SRF Consulting Group & Westwood Engineering	\$45,000
2.2	Environmental Studies and Updates	Apr – Sept, 2000	Mn/DOT	\$3,500
2.3	Determine new bus routes, stops and schedule impacts due to project	Jan – July, 2000	Metro Transit	\$7,000
3.0	4 th Street Reverse Flow Bus Lane Detailed Design	Apr – Oct, 2000	BRW/URS	\$16,000
4.1	Pavement changes to accommodate the 4 th Street reverse flow bus lane	Oct – Nov, 2000	City of Minneapolis Public Works Paving Crews	\$350,000
4.2	Traffic signals, signs, tape and painted pavement markings, and parking changes to accommodate the 4 th and 9 th Street bus provisions	Oct – Nov, 2000	City of Minneapolis Public Works Traffic Crews	\$67,700
4.3	Application of taped pavement markings	Oct – Nov, 2000	Groove Tech (single source contract)	\$15,900
4.4	Transtop Shelter removals and reconstruction	Jan 2000 – July 2002	Transtop relocated transit stops and shelters	\$31,200
4.5	4 th Street Tunnel construction to accommodate the reverse flow bus lane	Apr – Aug, 2003	City Crews – repair and restore tunnel	\$135,000
4.6	New Transit Shelters serving the central corridor transit needs	Jan 2003 to June 2004	Various parties	\$77,000
5.0	Project Administration from start to finish	Jan 2000 to June 2004	City Transportation Staff	\$15,200
TOTAL				\$775,000
Federal Share -- 80%				\$620,000
Local Share -- 20%				\$155,000

Attachment A - Scope of Work Minneapolis Reverse Flow Bus Lane

TASK 1.0 PRELIMINARY SCHEMATIC DESIGN FOR TWO ALTERNATIVES

The City hired consultant (BRW/URS) to do preliminary schematic design efforts for the reverse flow bus lane initially planned for 6th Street South. See existing contract (Mn/DOT #79282, City #14456, \$25,000). Based on that initial design contract and with limited community involvement it became evident that two alternatives needed to be studied. The two alternatives were:

- 4th Street Reverse Flow Bus Lane and shift bus routes to 9th Street
- 6th Street Reverse Flow Bus Lane

This task includes the subsequent schematic design efforts for these two alternatives.

TASK 2.0 PRELIMINARY TRAFFIC STUDIES AND COMMUNITY INPUT

Based on Task 1.0 it became evident that the initial alignment along 6th Street had numerous technical issues and community concerns. This resulted in traffic studies and a more extensive community input process. Therefore, this task includes the following activities:

- 2.1 Determine reverse flow bus lane implications on the traffic operations in the whole downtown by SRF and Westwood Engineering. The consultants completed traffic forecasts, traffic modeling and traffic operations analyses as well as assisted with public meeting needs.
- 2.2 Environmental Studies, Updates and Public Meetings were needed to update the Environmental Assessment analysis and report. These analyses and report were completed by Mn/DOT staff with information provided by others.
- 2.3 Determine the revised bus routes for each reverse flow lane alternative using the various downtown streets. In addition 4th and 6th Streets, a plan was developed to create new bus stops and modify on-street parking along 9th Street. This task was completed by Metro Transit staff.

In addition, City staff sought and gained public involvement by the downtown business community and citizens followed by approvals from the Minneapolis City Council. This task was completed by City staff and is part of Task 5.0 Project Administration as defined later.

Based on the above efforts it was determined that the 6th Street alternative did not meet the needs. The 4th Street alternative would be the preferred alignment for the reverse flow bus lane along with other buses rerouted to 9th street.

TASK 3.0 DETAILED DESIGN

This task focused on the detailed design for the 4th Street Reverse Flow Bus Lane and modifications to 9th Street to accommodate buses. The 4th Street reverse flow bus lane detailed design plans that were completed by BRW/URS. The design plans were reviewed and approved by City Public Works, Metro Transit, and Mn/DOT State Aid staffs.

TASK 4.0 CONSTRUCTION

Based on the above tasks, the necessary construction items were identified. The construction activities include:

- 4.1 4th Street Paving Work that includes mill/overlay asphalt pavement, repairs of curb/gutter where necessary and a seal coat by City Public Works construction crews.
- 4.2 4th and 9th Street Traffic Work that includes signals, signs, tape and painted pavement markings, and parking changes by City Public Works traffic crews.
- 4.3 Groove Tech assistance to install the durable pavement markings (tape not paint) prior to the seal coat along 4th Street. Groove Tech was a sole source contractor.
- 4.4 Relocation of transit stops and shelters by Transtop.
- 4.5 4th Street Tunnel Work that includes building a street support structure that accommodates buses over the tunnel along with tunnel modifications that protect and ensure proper drainage. This work is to be performed by City Public Works construction crews.
- 4.6 Construction of new transit shelters serving the central corridor transit needs that accommodate existing, relocated, or new bus routes. These bus shelters shall be placed at bus stops that directly serve the east-west bus routes and also at bus shelters serving the north-south bus routes that would create a seamless transfer even though a shelter may be located along a north-south street. (East-west riders transfer to north-south buses and must wait in a north-south shelter. Such shelters would be located at an intersection or mid-block of a north-south street). This work is expected by various parties that may include, but not limited to, the City of Minneapolis, Minneapolis Library Board, Hennepin County, Metro Transit, Transtop, Mn/DOT, and/or other private parties.

TASK 5.0 PROJECT ADMINISTRATION

City staff (primarily Jon Wertjes and Greg Finstad) have and will perform project administration functions as part of the entire project. This project administration/management work includes work scope, budget, schedule and public involvement components. The activities include communication and coordination with all stakeholders, conduct community meetings, review and approval of all plans and work efforts, and contract administration. In addition, City staff sought and gained public involvement by the downtown business community and citizens followed by approvals from the Minneapolis City Council. This task is on-going throughout the project for each of the above-described tasks.