

COUNCIL WORKSHOP ITEM

ITEM: Grant application: FY05 DuPage Surface Transportation Program (STP)
DATE: October 28, 2004
PREPARED BY: Michael Millette, Assistant Director, Public Works, Engineering and
Susan Brassfield, Grants Coordinator
PURPOSE: Information on grant request proposal for TEA-21 funding through the
DuPage Mayors and Managers Conference

SUMMARY:

Project	Fiscal Yr.	Estimated Budget (\$325,000)	Estimated Grant (\$227,500)	Estimated Local Match (\$97,500)
Roadway Resurfacing	FY 2006	\$315,000	\$ 220,500	\$ 94,500

DISCUSSION:

TEA-21 retained the major federal-aid surface transportation programs that were established under ISTEA in 1991. Of the major federal-aid transportation programs in TEA-21, the Surface Transportation Program (STP) provides the most direct role for local government. In this case grant funds are being sought through the DuPage Mayors and Manager Conference (DMMC).

Staff is recommending Council approval of the STP grant application submittal to DMMC for federal funding support of the 39th Street Road Resurfacing project. The section of 39th Street between Main & Fairview carries an ever increasing amount of traffic, primarily due to the close proximity of Good Samaritan hospital. Nearly 10,000 vehicles per day traverse this roadway, with many drivers using this road as an alternate route to Ogden Avenue. The current road isn't designed to carry the current level of traffic or the current traffic weight such as fire trucks. This project was presented as a reconstruction project at the October 26th Village Council Workshop, at which time Staff was directed to re-apply as a resurfacing project.

Staff estimates that \$325,000 in estimated construction costs for the one-mile of road. Staff proposes a one-year construction schedule occurring in FY2006. A stipulation of the STP funding requires a local match of 30% of the total estimated project construction cost. The total estimated construction cost for this project is \$325,000 of which the Village is required to provide a match of \$97,500. The Village share will be funded from Capital Fund Account (220.342.0000.5806) in FY05/06. If this project is funded, the contractors will be paid directly from IDOT, therefore the Village will not receive any Federal dollars from the project. As for the local match component, IDOT will bill the Village for its local share of the project's cost.

One of the requirements for Federal funding is that a road segment has logical termini at other Federal Aid Urban (FAU) routes, County, State, or Federal roads and 39th Street meets this requirement. This project is consistent with the 2020 Regional Transportation Plan's goal of preserving the regions transportation system and maximizing its capability to efficiently carry goods and people. Moreover, this project is consistent with the regional objectives in the reduction of traffic congestion and improving the overall air quality of the community and region.

ATTACHMENT:

Attachment: Resolution

RECOMMENDATION:

Place this matter on the November 9th Workshop for Council consideration. The approval of this grant application by resolution is recommended and a copy of the resolution is attached for your review.

RESOLUTION NO. _____

A RESOLUTION AUTHORIZING SUBMITTAL OF GRANT APPLICATION TO THE
DUPAGE MAYORS AND MANAGERS CONFERENCE FOR
FY 2005 SURFACE TRANSPORTATION PROGRAM

WHEREAS, the Village of Downers Grove, an Illinois municipal corporation, has developed grant application FY 2005 Surface Transportation Program (STP) for financial assistance in funding the 39th Street Local Agency Pavement Preservation (LAPP) Project; and

WHEREAS, the Village Council has reviewed said grant application, and has authorized the filing of said application with the DuPage Mayors and Managers Conference.

NOW, THEREFORE, be it resolved by the Village of Downers Grove, DuPage County, Illinois, as follows:

1. That the Village of Downers Grove submit the FY 2005 Surface Transportation Program (STP) application of the Village of Downers Grove for 39th Street Local Agency Pavement Preservation (LAPP) Project to the Mayors and Managers Conference.
2. That this resolution shall be in full force and effect from and after its passage as provided by law.

Mayor

Passed:

Attest: _____
Village Clerk



STP PROJECT REVIEW/COORDINATION WITH IDOT

All new STP project applications must be reviewed by IDOT District 1 - Bureau of Local Roads staff prior to submission to the DuPage Mayors and Managers Conference. The DuPage Council will only consider new applications that have been reviewed by IDOT.

The purpose of this early IDOT review is to assist municipalities in verifying the scope of work, time and cost estimates for their project(s), and to incorporate the most recent IDOT design policies and procedures, before the application is evaluated and programmed by the Transportation Technical Committee. The objective is to reduce the number and magnitude of cost increases that projects have experienced in recent years. All project cost increases greater than 20% of the original application cost estimate (**including inflation**) will be the sole responsibility of the project sponsor.

Please contact Mr. Chad Riddle (District 1 - Bureau of Local Roads) at (847) 705-4406 as soon as possible to arrange for your STP application review.

IDOT REVIEW VERIFICATION FORM

To be completed for all new DuPage STP Applications (FY 05)

Municipality: Village of Downers Grove

Contact Person: Mike Millette (Phone: 630-434-5494)

Project Name: 39th Street from Main Street to Fairview Avenue

Date of Review with IDOT: October 18, 2004 (by phone)

By: Chad Riddle (Phone: 847-705-4406)
(Name of Local Roads Reviewer)

Please attach this completed form to both copies of the STP Project Application.

PART 2
FY 05 SURFACE TRANSPORTATION PROGRAM FUNDING
NEW HIGHWAY PROJECT APPLICATION FORM

This format is for **NEW** highway projects only. To update a previous submittal, use the "Annual Highway Project Update Form" (see PART 1A). Each project submitted for funding must be sponsored by a DuPage municipality (a municipal co-sponsor is requested for county-sponsored projects) and be written in the Application Format shown below.

Please mail 2 copies to be received by November 5, 2004, to:

Bob Dean, Transportation Planning Liaison
DuPage Mayors and Managers Conference
1220 Oak Brook Road
Oak Brook, IL 60523

No faxes accepted.

A. General Identification

1. Regional Council (DuPage)
2. Municipality
 - a. Sponsoring Municipality: Village of Downers Grove
 - b. Other participating Municipalities and Agencies: None
3. Date of Application: November 5, 2004
4. Contact

Michael D. Millette, P.E., Asst. Director of Public Works -- Engineering
5101 Walnut Avenue, Downers Grove, IL 60515
630-434-5494
5. Type of Project: LAPP
6. Limits of Project
 - Termini of Project: 39th Street (FAU 1476) Main Street (FAU 2615) to Fairview Avenue (FAU 2637) Length: 3,950 FT or 0.75 Miles
 - Map at suitable scale showing project location: Please see attached
7. Operational Benefits of Project: Improved safety due to replacement of deteriorated pavement. 39th Street is adjacent to the Good Samaritan Hospital campus and as such, serves as an emergency vehicle route for the communities of Westmont, Darien and Oak Brook in addition to Downers Grove.

B. Existing Conditions

1. Description of Existing Conditions
 - Date of last reconstruction, resurfacing or topping, etc.: Partial resurfacing 2004 remainder dates to prior to annexation by Village.
 - Cross-section (curb and gutter type, number and width of lanes, parking): Type B6.12 Curb & Gutter both sides for western 800ft ditch drainage elsewhere; one travel lane each direction; left turn lanes at signalized intersections; no parking throughout section.
 - Existing pavement and base/sub-base condition (a soil survey and/or pavement test may be required): Average of 3" of bituminous concrete over chip-seal and aggregate.

2. Present Traffic

- For sections: two-way, average daily traffic (ADT): 7,482
- For intersection: through and turning movements (12-hour manual traffic counts)

3. Accident Experience: Please refer to attached spreadsheet

- Historical accident summary (3 years) broken down by:
 - a. property damage
 - b. personal injury
 - c. fatality
- Dawn, dusk, and night accidents recorded separately if incidence is high and street lights are part of project. Also accidents should be broken down into wet and dry road condition categories if a review of accident data indicates pavement wetness as a recurring factor in accident experience. The project scope of work should address this problem accordingly.
- Include a Collision Diagram for all arterial terminus intersections and all interior arterial/arterial intersections (all County or IDOT routes are classified as arterials for this purpose).

4. Right-of Way

- Existing right-of-way: 100' Main St. (Highland Ave.) to Washington St.
85' Washington St. to Earlston Rd.
66' Earlston Rd. to Fairview Ave.
- Amount of additional right-of-way required (vacant or improved): None

C. Proposed Improvement

1. Brief description of project including: cross-section (number of lanes, width of pavement, type of curb and gutters, signals, drainage, sidewalk channelization, etc.):

Improvements will consist of full width bituminous surface removal; bituminous base course patching at 10% of the existing pavement area; aggregate shoulder replacement; placement of level binder (3/4" average depth), and surface (2 1/2" depth) bituminous courses; placement of petromat-type pavement fabric; and striping with preformed plastic tape. No pavement widening, or improvement to traffic signals is planned. Replacement of traffic signal detector loops will take place where necessary.

2. Estimated Cost of Improvement

- Quantities and unit cost: \$316,000 or \$80/LF
- Comparison with other similar projects (cost/linear mile or kilometer): Last similar LAPP project was in 2003 at a cost of \$67/LF.
- Source of local match: Motor Fuel Tax
- Non-Participating Items: None

3. Proposed Construction Schedule: 2006

4. Estimated Future Traffic Volumes

- Twenty year design ADT, approved by the Chicago Area Transportation Study.: Awaiting receipt

D. Emission Reduction Benefit Checklist

Complete the attached checklist.

E. Features of Project that Support Transit

Does this project help to implement the DuPage Area Transit Plan in some way, or otherwise help support the use of public transit? Features that support transit include sidewalks, bus pull-outs, signal improvements that include transit vehicle priority, intersection improvements (to allow buses to make turns), and many others. Only indirectly as the route is used by our commuter shuttle buses.

If this project does include these types of features, or others that you think could help to support transit, please describe them. Call Bob Dean at 630-571-0480, ext 28, if you need help answering this question.

NOTE: The Conference reserves the right to reject any and all proposals. Projects are subject to federal approval and requirements.

EMISSION REDUCTION BENEFIT CHECKLIST

Emissions Reduction has been added to the STP methodology to help implement the air quality goals of recent national legislation. Please indicate if any of the components below are included in your project. **SUBMIT TURNING MOVEMENT COUNTS AS APPROPRIATE.**

TRAFFIC CONTROL IMPROVEMENTS

- Convert multiway stop to two-way stop control _____
- Replace multiway stop with traffic signal control _____
- New traffic signal interconnect _____
- Traffic signal controller modernization _____

PEDESTRIAN/BICYCLE IMPROVEMENTS

Note: Projects should follow AASHTO, IDOT BDE Procedure Memorandum 95-21, and IDOT Policies and Procedures for Local Bicycle Facilities (Nov. 14, 1997) & subsequent design guidelines.

- New/reconstruct bike/pedestrian path _____ Length _____
- New/reconstruct sidewalk (4' - 6' wide) _____ Length _____
- New/reconstruct bike/pedestrian grade separation _____
- Widened curb lane (14' - 16') _____
- Marked bike lane (3' - 5') _____

RAILROAD/HIGHWAY CROSSING IMPROVEMENTS

- Grade separation _____
- Install motion sensors/predictors _____
- Install rubberized crossing _____

TRANSIT-RELATED IMPROVEMENTS

- Bus turnout lanes _____
- Transit signal priority system _____
- Bus shelters _____

OTHER _____

Call Bob Dean at (630) 571-0480, ext 28, if there are other components of your project not listed above that you think might reduce vehicle emissions.

39TH STREET IMPROVEMENTS (HIGHLAND AVE. TO FAIRVIEW AVE.) DOWNERS GROVE, ILLINOIS



LOCATION MAP

