

### Transportation Committee

For the Metropolitan Council meeting of January 11, 2017

**Subject:** 2017-2020 TIP Amendment: I-35 Maintenance and Bridge Replacement

#### Proposed Action

That the Metropolitan Council concurs with the Transportation Advisory Board (TAB) action to amend the 2017-2020 Transportation Improvement Program (TIP) to increase the cost and separate elements from MnDOT's I-35 maintenance and bridge replacement project.

#### Summary of Committee Discussion/Questions

Metropolitan Transportation Services Senior Planner Joe Barbeau presented this item, and Ryan Coddington - MnDOT was also present to answer questions, if necessary. Munt asked for an explanation of the cost differences between design/bid/build and design/build projects. Schreiber and McCarthy asked if this project covers the issues that Anoka County has with the bridge over Hwy 35. Coddington replied that yes, although the issues will be covered in two separate projects, this project being one of them.

Motion by McCarthy, seconded by Elkins and passed.

## Transportation Committee

Meeting date: January 9, 2017

For the Metropolitan Council meeting of January 11, 2017

**Subject:** 2017-2020 TIP Amendment: I-35 Maintenance and Bridge Replacement

**District(s), Member(s):** 11 – Rummel; 12 – Melander

Policy/Legal Reference: TAB Action

**Staff Prepared/Presented:** Amy Vennewitz, Deputy Director, Finance & Planning (651-602-1508)  
Steve Peterson, Manager of Highway Planning and TAB/TAC Process (651-602-1819)  
Joe Barbeau, Senior Planner (651-602-1705)

**Division/Department:** Transportation / Metropolitan Transportation Services (MTS)

### Proposed Action

That the Metropolitan Council concur with the Transportation Advisory Board (TAB) action to amend the 2017-2020 Transportation Improvement Program (TIP) to increase the cost and separate elements from MnDOT's I-35 maintenance and bridge replacement project.

### Background

This TIP amendment is needed to update the scope and cost of a concrete overlay and bridge project in Anoka and Washington Counties on I-35 near Forest Lake. The amendment will also remove two elements of work from the project's scope and create two new separate project lines in the TIP for the work involving the MN 97 Bridge over I-35 and improvements to the Forest Lake Weigh Station.

The project's delivery method is going to change from design-bid-build, to design-build. This change adds to the initial cost of the project, but design-build provides for more controlled costs over the life of the project, mostly by preventing the project from being subject to cost overruns and supplemental agreements.

### Rationale

The Transportation Advisory Board approves formal amendments to the TIP and the Metropolitan Council concurs with the action of the TAB. The project is consistent with the Transportation Policy Plan (TPP) and meets fiscal constraint because the federal and state funds are sufficient to fully fund the project. The Minnesota Interagency Air Quality and Transportation Planning Committee determined that the project is exempt from air quality conformity analysis. This TIP amendment is using the streamlined process adopted by TAB on April 19, 2014.

### Thrive Lens Analysis

This action promotes *stewardship* by providing for needed rehabilitation and replacement of existing roadway assets.

### Funding

The project is fully funded with federal, local, and state funds and is fiscally constrained because the cost increase will be offset by moving a project or projects out of fiscal year 2018.

### Known Support / Opposition

No known opposition.

Please amend the 2017-2020 Transportation Improvement Program (TIP) to modify the following project in program year 2018.

**PROJECT BACKGROUND:**

1. Briefly describe why amendment is needed (e.g., project in previous TIP but not completed; illustrative project and funds now available; discretionary funds received; inadvertently not included in TIP).

This amendment is needed to update the scope and cost of a concrete overlay and bridge project in Anoka and Washington Counties on I-35 near the City of Forest Lake. In addition, the amendment will eliminate work from the scope of SP 8280-47 and create separate project lines in the TIP for projects involving the MN 97 Bridge over I-35 and improvements to the Forest Lake Weigh Station.

This project is scheduled to be let in 2018, but the amendment is needed now because the delivery method proposed to change to design-build, which requires federal authorization of the project before the request for proposals (RFP) can be released for advertisement to allow contractors to review and submit bids later in the spring of 2017 and then project letting in State Fiscal Year 2018.

The changes to SP 8280-47 include an increase in cost due to the project delivery method change from design bid build, to design-build. This change adds to the initial cost of the project, but design-build provides for more controlled costs of the life of the project, mostly by preventing the project from being subject to cost overruns and supplemental agreements.

In addition to the cost change this amendment will eliminate work from the scope of SP 8280-47 and create separate lines of the TIP for the following projects:

- The MN 97 Bridge over I-35 (SP# 0283-28). Anoka County is contributing a larger share to this project and the project limits are being extended. Because of this extension bringing the project beyond the interstate system, this portion of the project is not eligible for the federal funding share of 90% federal and 10% local, but will be an 80%/20% split. Anoka County is also contributing additional funding toward the replacement MN 97 Bridge as a Diverging Diamond Interchange bridge. For federal authorization clarity, the new line in the TIP is needed.
- Improvement to the Forest Lake Weigh Station (SP# 0283-31 and 0283-31AC). The Office of Freight and Commercial Vehicles Operations has an upcoming project that is going to be added to this project. The funding to improve the weigh station is programmed for state fiscal year 2019, so the work will be advanced constructed in 2018, with payback in 2019.

2. How is Fiscal Constraint Maintained as required by 23 CFR 450.216 (check all that apply)?

- New Money
- Anticipated Advance Construction
- ATP or MPO or MnDOT Adjustment by deferral of other projects X
- Earmark or HPP not affecting fiscal constraint
- Other

The increase in cost of SP 8280-47 is due to the change to the design-build delivery method. The increase created by changing to the design build method will be fiscally constrained by moving a project or projects out of fiscal year 2018 that total approximately \$8,308,000. This movement will happen as MnDOT creates its program for the 2018-2022 TIP/STIP. This will allow for this project to be fully funded, therefore maintain fiscal constraint.

In addition, the costs for the projects that are being separated out from the main project are from the addition of freight and local funding from Anoka County and a MnDOT District C National Highway Freight Program setaside (SP 880C-NHFP-19). This statewide setaside was allocated to the project in late August 2016 by the MnDOT Transportation Program Investment Committee. These funds will fully fund the bridge and weigh station portions of the project. Therefore, fiscal constraint is maintained for the new projects.

**CONSISTENCY WITH MPO LONG RANGE PLAN:**

This amendment is consistent with the Metropolitan Council Transportation Policy Plan, adopted by the Metropolitan Council on January 14, 2015, with FHWA/FTA conformity determination established on March 13, 2015.

**AIR QUALITY CONFORMITY:**

- Subject to conformity determination
- Exempt from regional level analysis X\*
- N/A (not in a nonattainment or maintenance area)

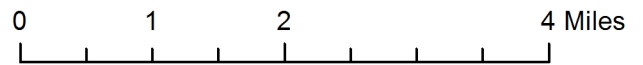
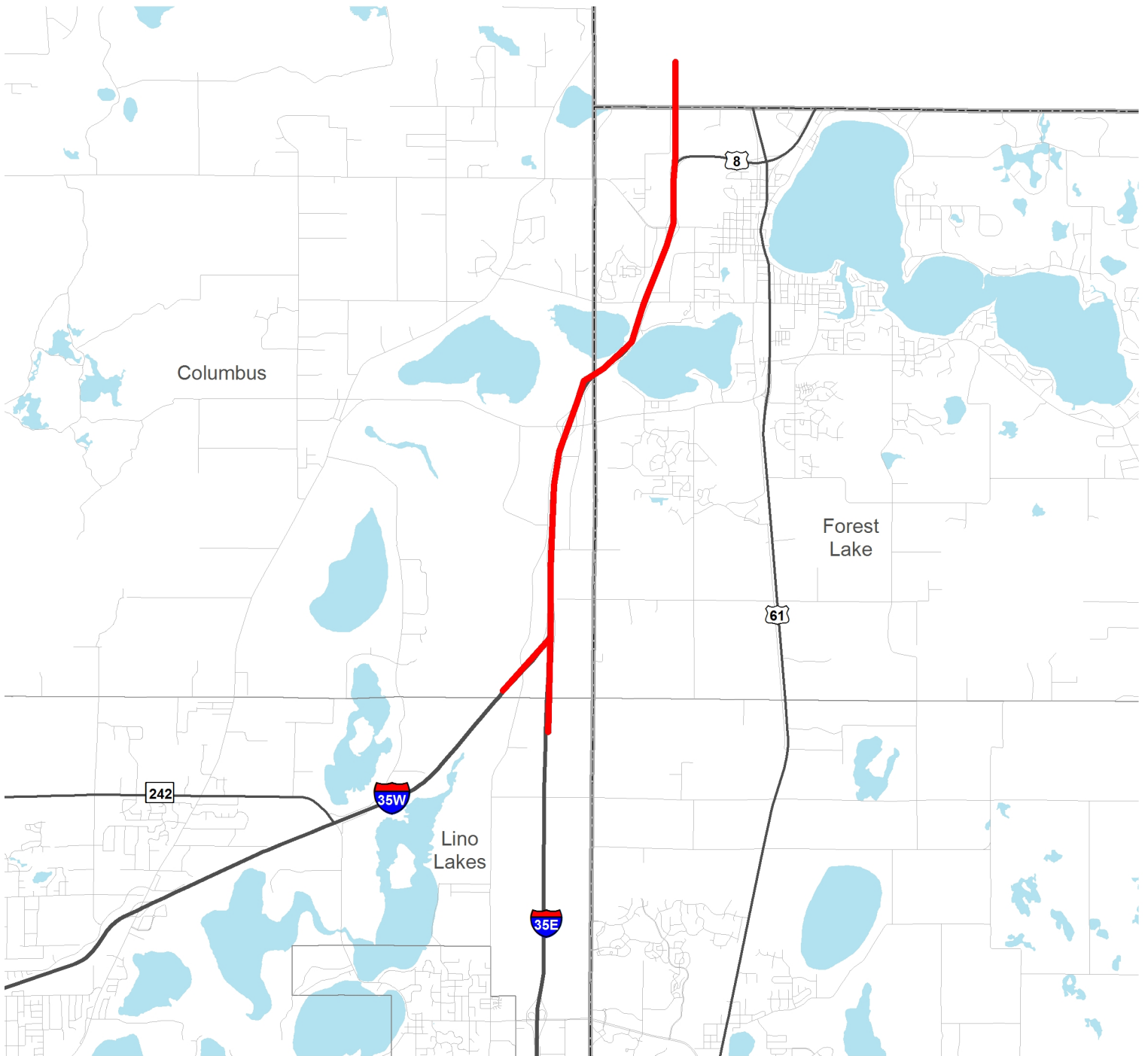
\*NC: Non-classifiable.

SP 8280-47

PROJECT IDENTIFICATION:

| SEQ # | STATE FISCAL YEAR | A T P | D I S T | ROUTE SYSTEM | PROJECT NUMBER (S.P. #) (Fed # if available) | AGENCY | DESCRIPTION<br>include location, description of all work, & city (if applicable)  | M I L E S | PROG | TYPE OF WORK              | PROP FUNDS | TOTAL \$   | FHWA \$    | AC \$   | FTA \$    | TH \$     | OTHER \$ |
|-------|-------------------|-------|---------|--------------|--|--------|---|-----------|------|---------------------------|------------|------------|------------|---------|-----------|-----------|----------|
| 1532  | 2018              | M     | M       | I-35         | 8280-47                                      | MNDOT  | <p><del>**ELLA**AC**SPP**I35, I35E FROM 0.6 MI N OF 80TH ST E TO JCT I35/I35W/I35E AND ON I35W FROM 2.3 MI N OF MAIN ST TO JCT I35/I35W/I35E IN LINO LAKES AND ON I35 FROM JCT I35/I35W/I35E TO 0.8 MI N OF US 8 IN CITIES OF COLUMBUS AND FOREST LAKE CONCRETE OVERLAY, REPLACEMENT OF BRIDGES 82815, 02804, 02806 AND SB FOREST LAKE WEIGH STATION WEIGHT ENFORCEMENT SYSTEM AND MODIFICATIONS TO ENTRANCE/EXIT RAMPS (AC PROJECT, PAYBACK IN FY19)</del></p> <p>**ELLA**SPP**I35, I35E FROM 0.6 MI N OF 80TH ST E TO JCT I35/I35W/I35E AND ON I35W FROM 2.3 MI N OF MAIN ST TO JCT I35/I35W/I35E IN LINO LAKES AND ON I35 FROM JCT I35/I35W/I35E TO 0.8 MI N OF US 8 IN CITIES OF COLUMBUS AND FOREST LAKE- CONCRETE OVERLAY, REPLACEMENT OF BRIDGES 82815 (82871), 02804 (02826), REHAB BRIDGE 02801 (INSTALLATION OF PIER STRUTS) (ASSOCIATED TO SP 0283-28, SP 0283-31)</p> | 7.1       | RD   | UNBONDED CONCRETE OVERLAY | NHPP       | 49,695,000 | 44,635,500 | 900,000 | -         | 5,059,500 | -        |
|       |                   |       |         |              |  |        |   |           |      |                           | 53,100,000 | 47,790,000 |            |         | 5,310,000 |           |          |

| SEQ # | STATE FISCAL YEAR | A | D | ROUTE SYSTEM | PROJECT NUMBER (S.P. #) (Fed # if available) | AGENCY | DESCRIPTION<br>include location, description of all work, & city (if applicable)  | M I L E S | PROG | TYPE OF WORK       | PROP FUNDS | TOTAL \$    | FHWA \$     | AC \$   | FTA \$ | TH \$     | OTHER \$    |
|-------|-------------------|---|---|--------------|--|--------|---|-----------|------|--------------------|------------|-------------|-------------|---------|--------|-----------|-------------|
|       | 2018              | M | M | TH 97        | 0283-28                                      | MNDOT  | *SPP**TH 97, FROM 0.1 MI W OF THE WESTERN RAMP TERMINALS TO 850 FT. W OF THE COUNTY LINE - REPLACE BRIDGE 02806 (02818) AND APPROACHES (ASSOCIATED TO 8280-47, SP 0283-31)          | 0.4       | BR   | BRIDGE REPLACEMENT | STBG       | \$7,500,000 | \$2,800,000 | -       | -      | \$700,000 | \$4,000,000 |
|       | 2018              | M | M | I-35         | 0283-31                                      | MNDOT  | **ELLA****AC** SB FOREST LAKE WEIGH STATION WEIGHT ENFORCEMENT SYSTEM AND MODIFICATIONS TO ENTRANCE/EXIT RAMPS (AC PROJECT, PAYBACK IN FY19) (ASSOCIATED TO SP 8280-47, SP 0283-28) | -         | RS   | WEIGH STATION      | NHFP       | \$500,000   | 360,000     | -       | -      | 140,000   | -           |
|       | 2019              | M | M | I-35         | 0283-31AC                                    | MNDOT  | **AC****ELLA****AC** SB FOREST LAKE WEIGH STATION WEIGHT ENFORCEMENT SYSTEM AND MODIFICATIONS TO ENTRANCE/EXIT RAMPS (AC PROJECT, PAYBACK IN FY19)                                  | -         | RS   | WEIGH STATION      | NHFP       | \$900,000   | -           | 900,000 | -      | -         | -           |



-  Interstate Highways
-  State, US Highways and County Roads
-  Roadways
-  County Boundaries
-  City and Township Boundaries
-  Lakes and Rivers

