

Agenda

TAB Technical Advisory Committee



Meeting date: December 6, 2023

Time: 9:00 AM

Location: Virtual

Public participation:

If you have comments, we encourage members of the public to email us at public.info@metc.state.mn.us.

You may pre-register to speak at a virtual public meeting of the TAB Technical Advisory Committee by emailing us at public.info@metc.state.mn.us.

Call to Order

- Approval of the Agenda (Agenda is approved without vote unless amended)
- Approval of November 1, 2023, TAB Technical Advisory Committee Minutes – roll call

Public Comment on Committee Business

TAB Report

Committee Reports and Business

Executive Committee (Jeni Hager, Chair)

1. 2023-54: Streamlined TIP Amendment Request – Four Project Adjustments (Joe Barbeau, MTS Planning) – roll call
2. 2023-55: Streamlined TIP Amendment Request – Six New Projects (Joe Barbeau, MTS Planning) – roll call

Planning Committee (Bill Dermody, Vice Chair)

1. 2023-53: Review of Metropolitan Airports Commission (MAC) 2024-2030 Capital Improvement Program (CIP) (Joe Widing, MTS Planning) – roll call

Funding & Programming Committee (Michael Thompson, Chair)

- No items.

Information

- Roadway Functional Class Update (Jack Corkle, WSB and Dave Burns, MTS Planning)
- Regional Solicitation – Ties to 2050 TPP (Steve Peterson, MTS Planning)

Other Business

Adjournment

Council Contact: Joe Barbeau, Planning Analyst. Joseph.Barbeau@metc.state.mn.us. 651-602-1705

Minutes

TAB Technical Advisory Committee



Meeting Date: November 1, 2023

Time: 9:00 AM

Location: Virtual

Members Present:

- Jenifer Hager, Chair, Minneapolis
- Jerry Auge, Anoka Co
- Lyndon Robjant, Carver Co
- Erin Laberee, Dakota Co
- Brian Isaacson, Ramsey Co
- Chad Ellos, Hennepin Co
- Craig Jenson, Scott Co
- Lyssa Leitner, Washington Co
- Andrew Witter, 7W

- Karl Keel, Bloomington
- Charlie Howley, Chanhassen
- Carter Schulze, Eden Prairie
- Jim Kosluchar, Fridley
- Paul Oehme, Lakeville
- Dan Ruiz, Brooklyn Park
- Ross Beckwith, West Saint Paul
- Michael Thompson, Plymouth
- Kathleen Mayell, Minneapolis
- Nick Peterson, Saint Paul
- Bill Dermody, Saint Paul

- April Crockett, MnDOT
- Steve Peterson, Council MTS
- Michael Larson, Council CD
- Elaine Koutsoukos, TAB
- Innocent Eyoh, MPCA
- Bridget Rief, MAC
- Matt Fyten, STA
- Adam Harrington, Metro Transit
- Shelly Meyer, Freight
- Colleen Eddy, DEED
- Vacant, MN DNR
- Kyle Sobota, Bicycle
- Mackenzie Turner Bargaen, Pedestrian
- Josh Pearson, FHWA (ex-officio)
- = present

DRAFT

Call to Order

A quorum being present, Committee Chair Hager called the regular meeting of the TAB Technical Advisory Committee just after 9:00 a.m.

Approval of Agenda

The agenda was approved with no changes. Therefore, no vote was needed.

Approval of Minutes

It was moved by Koutsoukos and seconded by Howley to approve the minutes of the October 4, regular meeting of the TAB Technical Advisory Committee. **Motion carried.**

Public Comment on Committee Business

None.

TAB Report

Koutsoukos reported on the October 18, 2023, Transportation Advisory Board meeting.

Business – Committee Reports

Executive Committee (Jenifer Hager, Chair)

Chair Hager reported that the TAC Executive Committee met prior to the meeting to discuss standing-committee membership after recent TAC member turnover.

1. [2023-51: Streamlined TIP Amendment Request – Four Project Adjustments](#)

Barbeau provide a summary of the four changes requested to the 2024-2027 TIP.

- Dakota County requests addition of a signal replacement and local funds to its CSAH 32 (Cliff Rd) resurfacing project in Eagan.
- Three Rivers Park District requests a cost increase of \$1 million for its Rush Creek Trail underpass at West River Road in Brooklyn Park. No additional funding comes from the Regional Solicitation
- MnDOT requests the addition of a trail and an overhead rapid rectangle flashing beacon (RRFB), along with a cost increase, to its MN 101 (W 192nd Ave) mill and overlay in Chanhassen and Eden Prairie.
- Hennepin County and Edina request merging of their respective CSAH 158 (Vernon Ave) bridge replacement and reconstruction projects in Edina. This enables both projects to be completed under one contract, managed by Edina.

Motion by Isaacson and seconded by Nick Peterson to recommend approval of the request to amend the 2024-2027 TIP. **Motion carried.**

Planning Committee (Scott Mareck, Chair)

Mareck reported that there will be a series of policy and action workshops for the TPP. Sessions will be held in-person at 9:30 this morning, virtually on November 3, and in-person on November 6.

Mareck said that the TPP workgroup will receive draft chapters later this week and drafts will be provided to the workgroup over the next six months. He added that members should be sure they know who their organizations' workgroup members are so they can provide input.

Funding & Programming Committee (Michael Thompson, Chair)

In Thompson's absence, Chair Hager said that there were no items at the Funding & Programming Committee in October and that the first meeting of the Scope Change and Program Year policy workgroup has met.

Information

No items.

Other Business

Steve Peterson reported that Fridley and Edina were awarded Safe Streets and Roads for All planning grants.

Eyoh said that MPCA has two climate change grants available and that those interested should check the MPCA website.

Adjournment

The meeting adjourned.

Committee Contact:

Joe Barbeau, Senior Planner

Joseph.Barbeau@metc.state.mn.us

651-602-1705

Action Transmittal

Transportation Advisory Board



Committee Meeting Date: December 6, 2023

Date: November 29, 2023

Action Transmittal: 2023-54

Streamlined 2024-2027 TIP Amendment Request – Six Project Adjustments

To: Technical Advisory Committee

Prepared By: Joe Barbeau, Planning Analyst, 651-602-1705

Requested Action

Project sponsors request six amendments to the 2024-2027 TIP to adjust existing project scope and costs.

Recommended Motion

That the Technical Advisory Committee recommend amending the 2024-2027 TIP as follows:

- Add locally funded reconstruction and bridge to the project scope and increase the cost of Anoka County's CSAH 2 multiuse trail project (SP# 002-602-015 and 002-602-015CRP) and correct the roadway name suffix from NW to NE;
- Reduce cost and combine elements for St. Louis Park's two Cedar Lake Road reconstruction projects. (SP# 163-296-006 and SP#163-296-007);
- Add a new segment of shared-use path on Edgerton Street and increase the cost of Ramsey County's CSAH 14 (Koehler Rd) shared-use path project (SP# 062-614-004); and
- Increase the cost of Minneapolis's two HSIP-funded ADA projects (SP #141-030-051 and 141-030-053).

Background and Purpose

The following projects are proposed for amendment in the 2024-2027 TIP:

- Anoka County requests addition of locally funded reconstruction and bridge rehabilitation to the scope of its CSAH 2 (44th Ave NE) multiuse trail project, along with the related cost increase of \$7,594,702 (entirely local). Action includes correcting 44th Ave NW to 44th Ave NE. The project is funded through the Regional Solicitation and is split into two projects lines because it is partially funded with Carbon Reduction Program funding.
- St. Louis Park requests an amendment to adjust the phasing to two overlapping projects: a Regional Solicitation-funded reconstruction of Cedar Lake Road and Louisiana Avenue South and a congressionally funded reconstruction of the same roadways (slightly different termini). The requested action will move some elements of the former into the latter and stage the projects in 2024 and 2025 with payback of the Regional Solicitation STPBG funds in 2026 (the original award year). The overall cost is reduced by \$7,743,800 (all reduced funding is local)
- Ramsey County requests the addition of shared-use path on Edgerton Street (from Carol Drive to CSAH 14 (Koehler Rd)) to its CSAH 14 (Koehler Rd) project. This comes with a

\$125,000 increase, to be funded locally. The original project was funded with Carbon Reduction Program funds in the Regional Solicitation.

- Minneapolis requests cost increases of \$1,681,000 and \$2,190,000, respectively for its two HSIP-funded ADA projects (SP #141-030-051 and 141-030-053).

Relationship to Regional Policy

Federal law requires that all TIP amendments meet the following tests: fiscal constraint; consistency with the adopted regional transportation plan; and opportunity for public input. It is the TAB's responsibility to recommend TIP amendments to the Council for adoption, provided these requirements are met.

Staff Analysis

The TIP amendment meets fiscal constraint because the federal and local funds are sufficient to fully fund the projects. This amendment is consistent with the Metropolitan Council Transportation Policy Plan, adopted by the Metropolitan Council on November 18, 2020 with FHWA/FTA conformity determination established on December 4, 2020. Public input opportunity for this amendment is provided through the TAB's and the Council's regular meetings.

Routing

To	Action Requested	Date Completed (Scheduled)
Technical Advisory Committee	Review & Recommend	<i>December 6, 2023</i>
Transportation Advisory Board	Review & Recommend	<i>December 20, 2023</i>
Metropolitan Council Transportation Committee	Review & Recommend	<i>January 8, 2024</i>
Metropolitan Council	Review & Adopt	<i>January 10, 2024</i>



2024-2027 TIP AMENDMENT REQUEST

Please amend the 2024-2027 Transportation Improvement Program (TIP) to adjust the below project lines).

Project identification

	(SP # 002-602-015)	(SP # 002-602-015CRP)
Seq #	938	939
State Fiscal Year (State)	2024	2024
ATP and District	Metro	Metro
Route System	CSAH 2	CSAH 2
Project Number (S.P. #)	002-602-015	002-602-015CRP
Agency	Anoka County	Anoka County
Description	CSAH 2 (44th Ave NW NE) from CSAH 1 (East River Rd) to Main St in Fridley – <u>Reconstruct</u> , construct multiuse trail and modify <u>rehabilitate</u> Bridge 02523 (Associate to 002-602- 015CRP)	**CRP** : CSAH 2 (44th Ave NW NE) from CSAH 1 (East River Rd) to Main St in Fridley - <u>Reconstruct</u> , construct multiuse trail and modify <u>rehabilitate</u> Bridge 02523 (Associate to 002-602-015)
Miles	0.6	0.6
Program	BT-Bike Trail	BT-Bike Trail
Type of Work	New Trail	New Trail
Proposed Funds	STBGP	CRP
Total \$	929,337 <u>8,309,576</u>	1,690,424
FHWA \$	714,874	1,300,326
State \$		
Other \$	214,463 <u>7,594,702</u>	390,098

Background and TIP Amendment Need

This TIP amendment is needed to add a locally funded bridge rehabilitation to the project scope, change description, and revise the project total cost. The additional scope was approved through the “Administrative Scope Change” process. 44th St NW is also corrected to 44th St NE. Scope Change documentation is attached.

Fiscal Constraint (as required by 23 CFR 450.216)

No new federal funds are being added to the project, therefore fiscal constraint is maintained. All additional work is funded with Anoka County local funds.

Consistency with MPO Long-Range Plan

This amendment is consistent with the Metropolitan Council Transportation Policy Plan, adopted by the Metropolitan Council on November 18, 2020, with FHWA/FTA conformity determination established on December 4, 2020.

ADMINISTRATIVE SCOPE CHANGE REQUEST FORM

SP # 002-602-015, 002-602-015CRP
Current Fiscal Year: 2024
Current STIP Description: 002-602-015 CSAH 2 (44TH AVE NW) FROM CSAH 1 (EAST RIVER RD) TO MAIN ST IN FRIDLEY - CONSTRUCT MULTIUSE TRAIL AND MODIFY BRIDGE 02523 (ASSOCIATE TO 002-602- 015CRP) 002-602-015crp **CRP**: CSAH 2 (44TH AVE NW) FROM CSAH 1 (EAST RIVER RD) TO MAIN ST IN FRIDLEY - CONSTRUCT MULTIUSE TRAIL AND MODIFY BRIDGE 02523 (ASSOCIATE TO 002-602-015)
STIP Federal Funding: 2,015,200
STIP Total Cost: \$2,619,761
Proposed New STIP Description: 002-602-015 CSAH 2 (44TH AVE NW) FROM CSAH 1 (EAST RIVER RD) TO MAIN ST IN FRIDLEY – RECONSTRUCT , CONSTRUCT MULTIUSE TRAIL AND MODIFY REHABILITATE BRIDGE 02523 (ASSOCIATE TO 002-602-015CRP) 002-602-015CRP **CRP**: CSAH 2 (44TH AVE NW) FROM CSAH 1 (EAST RIVER RD) TO MAIN ST IN FRIDLEY - RECONSTRUCT , CONSTRUCT MULTIUSE TRAIL AND MODIFY REHABILITATE BRIDGE 02523 (ASSOCIATE TO 002-602-015)
Federal Funding: \$2,015,200 (will be same as current fed \$ unless scope change reduces funds)
New Total Cost: \$10,000,000
Short write up with reason for scope change (i.e.; contractor coordination, better bids, etc.): The scope change is a result of a recent bridge condition inspection conducted in September 2023 by TKDA’s structural team by drone and snooper truck in which observed and documented deterioration and corrosion of the bridge deck and flexure cracks in the pier caps. There have also been 3 separate reports of concrete falling from the existing expansion joint on the bridge from BNSF staff from below the bridge structure. Incorporating this work into the overall project scope will provide efficiencies for the work which impacts the local businesses and traveling public who rely on this bridge to cross the BNSF railway corridor. Closing this bridge connection will require a designated detour route and will result in better bids for Anoka County and the City of Fridley. <u>All additional work will be funded with Anoka County Local/CSAH funds.</u>

ATTACHMENTS:

Colored Map – include original project in one color and any changes/additions in another color

STIP Amendment required? Y

Formal Amendment_x__ STIP Modification _____

2024-2027 TIP AMENDMENT REQUEST

Please amend the 2024-2027 Transportation Improvement Program (TIP) to adjust the below projects).

Project identification

	(SP #) 163-296-006007	(SP #) 163-296-007006
Seq #	TBD	TBD
State Fiscal Year (State)	2026 <u>2025</u>	2025 <u>2024</u>
ATP and District	Metro	Metro
Route System	MSAS 296	MSAS 296
Project Number (S.P. #)	163-296-006007	163-296-007006
Agency	St Louis Park	St Louis Park
Description	**AC**MSAS 296 (Cedar Lk Rd S) from <u>US 169 Rhode Island Avenue</u> to Kentucky Ave and MSAS 276 (Louisiana Ave S), from <u>0.1 M S of W 23rd St</u> to I394 in St Louis Park - Reconstruct, ADA, bikeway, sidewalk, signal, roundabout (Payback 2026)	**AC**MN278** : MSAS 296 (Cedar Lake Rd) from US 169 to <u>Rhode Island Avenue Nevada Ave and MSAS 276 (Louisiana Ave)</u> from <u>MSAS 316 (Wayzata Blvd)</u> to S of MSAS 296 (Cedar Lake Rd) in St Louis Park – Reconstruction, roundabout , trail, sidewalk, <u>signal</u> , ADA (Payback in FY 2026)
Miles	2.38 <u>1.2</u>	1.4 <u>1.1</u>
Program	RC – Reconstruction	RC – Reconstruction
Type of Work	Grade and surface	Grade and Surface
Proposed Funds	STP	DEMO/STP
Total \$	12,943,800 <u>11,070,000</u>	14,800,000 <u>8,930,000</u>
FHWA \$	7,000,000 <u>4,736,000</u>	2,000,000 DEMO/ <u>2,264,000</u> STP
Other \$	5,943,800 <u>6,334,000</u>	12,800,000 <u>4,666,000</u>

Background and TIP Amendment Need

This amendment is needed to phase the project and its associated funding and update the project description and total cost. There is no change in project scope.

Fiscal Constraint (as required by 23 CFR 450.216)

No new federal funds, so fiscal constraint is maintained.

Consistency with MPO Long-Range Plan

This amendment is consistent with the Metropolitan Council Transportation Policy Plan, adopted by the Metropolitan Council on November 18, 2020, with FHWA/FTA conformity determination established on December 4, 2020.

2024-2027 TIP AMENDMENT REQUEST

Please amend the 2024-2027 Transportation Improvement Program (TIP) to adjust the below project.

Project Identification

Seq #	978
Fiscal Year (State)	2024
ATP and District	Metro
Route System	CSAH 14
Project Number (S.P. #)	062-614-004
Agency	Ramsey County
Description	**CRP**CSAH 14 (Koehler Rd) from MSAS 103 (Edgerton St) to CSAH 59 (Centerville Rd) and Edgerton St from Carol Drive to CSAH 14 (Koehler Rd) in Vadnais Heights – Shared use path, ADA ramps, pedestrian crossings
Miles	0.5
Program	BT – Bike Trail
Type of work	New Trail
Proposed Funds	CRP
Total \$	724,951 <u>\$849,951</u>
FHWA \$	557,654
Other \$	167,297 <u>\$292,297</u>

Background and TIP Amendment Need

This amendment is needed to update project description and total cost to reflect an approved administrative scope change.

Fiscal Constraint (as Required by 23 CFR 450.216)

No federal funds are being added, therefore fiscal constraint is maintained.

Consistency with MPO Long-Range Plan

This amendment is consistent with the Metropolitan Council Transportation Policy Plan, adopted by the Metropolitan Council on November 18, 2020, with FHWA/FTA conformity determination established on December 4, 2020.

2024-2027 TIP AMENDMENT REQUEST

Please amend the 2024-2027 Transportation Improvement Program (TIP) to adjust the below projects.

Project identification

	(SP # 141-030-051)	(SP # 141-030-053)
State Fiscal Year (State)	2024	2024
ATP and District	Metro	Metro
Route System	MSAS 999	MSAS 999
Project Number (S.P. #)	141-030-051	141-030-053
Agency	Minneapolis	Minneapolis
Description	3rd Ave S at 18th St E; 26th St W at Dupont Ave S and Emerson Ave S; and 28th St at Dupont Ave and Emerson Ave in Mpls - ADA and traffic visibility improvements (Associated to 141-030-053)	LaSalle Ave at Grant St, 15th St, and Groveland Ave; and on Nicollet Ave at Grant St, 15th St, and 18th St in Mpls- Rebuild signals, ADA, curb extensions (Associated to 141-030-051)
Miles	0	0
Program	SH – Safety HSIP	SH – Safety HSIP
Type of Work	Bike/Ped	Traffic Control Devices/Safety
Proposed Funds	HSIP	HSIP
Total \$	1,944,000 <u>3,625,000</u>	2,160,000 <u>4,350,000</u>
FHWA \$	1,620,000	1,800,000
Other \$	324,000 <u>2,005,000</u>	360,000 <u>2,550,000</u>

Background and TIP Amendment Need

This amendment is needed to increase total project cost. There is not any change in project scope.

Fiscal Constraint (as required by 23 CFR 450.216)

No additional federal funds are being added to the project. Therefore, fiscal constraint is maintained.

Consistency with MPO Long-Range Plan

This amendment is consistent with the Metropolitan Council Transportation Policy Plan, adopted by the Metropolitan Council on November 18, 2020, with FHWA/FTA conformity determination established on December 4, 2020.

Action Transmittal

Transportation Advisory Board



Committee Meeting Date: December 6, 2023

Date: November 29, 2023

Action Transmittal: 2023-55

Streamlined 2024-2027 TIP Amendment Request – Five New Projects and Additional Funding to a Past Project

To: Technical Advisory Committee

Prepared By: Joe Barbeau, Planning Analyst, 651-602-1705

Requested Action

Project sponsors request an amendment to add five new projects to the 2024-2027 TIP and to add additional federal funding to a past project.

Recommended Motion

That the Technical Advisory Committee recommend amending the 2024-2027 TIP to add five new projects and add additional federal funding to a past project as follows:

- Preliminary engineering project for Dakota County's All American Great River Road/Spring Lake Park Reserve Trailhead (SP# 019-060-006);
- Dakota county multi-use trail and pedestrian crossings project on CSAH 28 (80th St) and CSAH 56 (Concord Blvd) (SP# 019-090-027);
- Dakota county wayfinding, landscaping, and interpretive signing project along the Mississippi River in Hastings and South Saint Paul (SP# 019-090-028);
- MnDOT wrong-way driver detection, implementation, and crash prevention plan for the metropolitan area (SP# 8816-3525);
- MnDOT purchase of an electric bus for the Shakopee Mdewakanton Sioux Community (SP # 8825-1049); and
- Additional federal funding for Metro Transit's Orange Line project (SP # TRF-TCMT-24AG).

Background and Purpose

The following projects are proposed for addition to the 2024-2027 TIP:

- Dakota County requests addition of funding for preliminary engineering for its All American Great River Road/Spring Lake Park Reserve Trailhead. Federal funding is from the National Scenic Byways Program, which is not through the Regional Solicitation.
- Dakota County requests addition of a multi-use trail and pedestrian crossings on CSAH 28 (80th St) from Boyd Ave to CSAH 56 (Concord Blvd) and CSAH 56 (Concord Blvd) from I-494 to MN 55. The project is funded through a 2023 USDOT Rebuilding American Infrastructure with Sustainability and Equity (RAISE) grant.
- Dakota County requests the addition of wayfinding, landscaping, and interpretive signing along the Mississippi River in Hastings and South Saint Paul. The project is funded through

a 2023 USDOT Rebuilding American Infrastructure with Sustainability and Equity (RAISE) grant.

- MnDOT requests the addition of a wrong-way driver detection, implementation, and crash prevention plan. This is currently included in the State Transportation Improvement Program (STIP) and MnDOT’s request would move \$150,000 into the metro TIP. This would be funded with HSIP funds not programmed by TAB.
- MnDOT requests addition of the purchase of an electric bus for the Shakopee Mdewakanton Sioux Community. This would be funded through a Clean Transportation Grant, a CMAQ program not awarded through the Regional Solicitation.
- Metro Transit requests addition of \$292,116 in federal American Rescue Plan Act (APRA) funding for the Orange Line. This request comes following the Federal Transit Administration (FTA) suggestion to close the American Rescue Plan Act (ARPA) grant and subsequent suggestion to re-obligate the ARPA funds to finish off the Orange Line obligation.

Relationship to Regional Policy

Federal law requires that all TIP amendments meet the following tests: fiscal constraint; consistency with the adopted regional transportation plan; and opportunity for public input. It is the TAB’s responsibility to recommend TIP amendments to the Council for adoption, provided these requirements are met.

Staff Analysis

The TIP amendment meets fiscal constraint because the federal and local funds are sufficient to fully fund the projects. This amendment is consistent with the Metropolitan Council Transportation Policy Plan, adopted by the Metropolitan Council on November 18, 2020 with FHWA/FTA conformity determination established on December 4, 2020. Public input opportunity for this amendment is provided through the TAB’s and the Council’s regular meetings.

Routing

To	Action Requested	Date Completed (Scheduled)
Technical Advisory Committee	Review & Recommend	<i>December 6, 2023</i>
Transportation Advisory Board	Review & Recommend	<i>December 20, 2023</i>
Metropolitan Council Transportation Committee	Review & Recommend	<i>January 8, 2024</i>
Metropolitan Council	Review & Adopt	<i>January 10, 2024</i>



2024-2027 TIP AMENDMENT REQUEST

Please amend the 2024-2027 Transportation Improvement Program (TIP) to add the below project.

Project Identification

Seq #	TBD
Fiscal Year (State)	2024
ATP and District	Metro
Route System	Local Streets
Project Number (S.P. #)	019-060-006
Agency	Dakota County
Description	All American Great River Rd/Spring Lake Park Reserve/Trailhead – Preliminary engineering
Miles	0.0
Program	BT-Bike Trail
Type of work	Bike/Ped
Proposed Funds	Scenic Byways (Miscellaneous Federal)
Total \$	1,400,000
FHWA \$	700,000
Other \$	700,000

Background and TIP Amendment Need

This amendment is needed to add a new project that received National Scenic Byway funds.

Fiscal Constraint (as Required by 23 CFR 450.216)

No additional federal funds are being added to the project. Therefore, fiscal constraint is maintained.

Consistency with MPO Long-Range Plan

This amendment is consistent with the Metropolitan Council Transportation Policy Plan, adopted by the Metropolitan Council on November 18, 2020, with FHWA/FTA conformity determination established on December 4, 2020.

2024-2027 TIP AMENDMENT REQUEST

Please amend the 2024-2027 Transportation Improvement Program (TIP) to add the below project.

Project Identification

Seq #	TBD
Fiscal Year (State)	2024
ATP and District	Metro
Route System	Local Streets
Project Number (S.P. #)	019-090-027
Agency	Dakota County
Description	CSAH 28 (80th St) from Boyd Avenue to CSAH 56 (Concord Blvd) and CSAH 56 (Concord Blvd) from Hwy 494 to Hwy 55; Multi-use trail and pedestrian crossings
Miles	4.6
Program	BT-Bike Trail
Type of work	Bike/Ped
Proposed Funds	RAISE
Total \$	4,500,000
FHWA \$	2,300,000
Other \$	2,200,000

Background and TIP Amendment Need

This amendment is needed to add a project that was awarded 2023 RAISE grant funds.

Fiscal Constraint (as Required by 23 CFR 450.216)

No additional federal funds are being added to the project. Therefore, fiscal constraint is maintained.

Consistency with MPO Long-Range Plan

This amendment is consistent with the Metropolitan Council Transportation Policy Plan, adopted by the Metropolitan Council on November 18, 2020, with FHWA/FTA conformity determination established on December 4, 2020.

2024-2027 TIP AMENDMENT REQUEST

Please amend the 2024-2027 Transportation Improvement Program (TIP) to add the below project.

Project Identification

Seq #	TBD
Fiscal Year (State)	2024
ATP and District	Metro
Route System	Local Streets
Project Number (S.P. #)	019-090-028
Agency	Dakota County
Description	Along Mississippi River Greenway in Hastings and South St Paul; Wayfinding, landscaping, interpretive signing
Miles	27
Program	BT-Bike Trail
Type of work	Bike/Ped
Proposed Funds	RAISE
Total \$	3,367,000
FHWA \$	1,800,000
Other \$	1,567,000

Background and TIP Amendment Need

This Amendment is needed to add a project that was awarded 2023 RAISE grant funds.

Fiscal Constraint (as Required by 23 CFR 450.216)

No additional federal funds are being added to the project. Therefore, fiscal constraint is maintained.

Consistency with MPO Long-Range Plan

This amendment is consistent with the Metropolitan Council Transportation Policy Plan, adopted by the Metropolitan Council on November 18, 2020, with FHWA/FTA conformity determination established on December 4, 2020.

2024-2027 TIP AMENDMENT REQUEST

Please amend the 2024-2027 Transportation Improvement Program (TIP) to add the below (project).

Project Identification

Seq #	2215
Fiscal Year (State)	2024
ATP and District	Metro
Route System	Districtwide
Project Number (S.P. #)	8816-3525
Agency	MnDOT
Description	**SEC164**Metrowide wrong way driver detection, implementation and crash prevention plan
Miles	0.0
Program	HSIP
Type of work	Misc Agreement
Proposed Funds	HSIP
Total \$	150,000
FHWA \$	150,000

Background and TIP Amendment Need

This formal amendment is needed to add this SFY 2024 District C funded project into the 2024-2027 TIP.

Fiscal Constraint (as Required by 23 CFR 450.216)

The Sec 164 HSIP funds are programmed on SP 8816-3525 already in the 24-27 MNDOT Statewide STIP in District C. No additional funds are needed. Therefore, fiscal constraint is maintained.

Consistency with MPO Long-Range Plan

This amendment is consistent with the Metropolitan Council Transportation Policy Plan, adopted by the Metropolitan Council on November 18, 2020, with FHWA/FTA conformity determination established on December 4, 2020.

2024-2027 TIP AMENDMENT REQUEST

Please amend the 2024-2027 Transportation Improvement Program (TIP) to add the below project.

Project Identification

Seq #	TBD
Fiscal Year (State)	2024
ATP and District	Metro
Route System	Transit
Project Number (S.P. #)	8825-1049
Agency	MnDOT
Description	Shakopee Mdewakanton Sioux Community; Clean Transportation Grant to tribal partner- Purchase one electric bus
Miles	0.0
Program	Transit
Type of work	Purchase Bus
Proposed Funds	CMAQ
Total \$	295,000
FHWA \$	295,000
State \$	NA
Other \$	NA

Background and TIP Amendment Need

This formal amendment is needed to add a new SFY 2024 district C funded project into the 24-27 TIP.

Fiscal Constraint (as Required by 23 CFR 450.216)

District C setaside 880C-NTA-24 has federal funds available for this project. Therefore, fiscal constraint is maintained.

Consistency with MPO Long-Range Plan

This amendment is consistent with the Metropolitan Council Transportation Policy Plan, adopted by the Metropolitan Council on November 18, 2020, with FHWA/FTA conformity determination established on December 4, 2020.

2024-2027 TIP AMENDMENT REQUEST

Please amend the 2024-2027 Transportation Improvement Program (TIP) to add the below project.

Project Identification

Seq #	TBD
Fiscal Year (State)	2024
ATP and District	Metro
Route System	Transit
Project Number (S.P. #)	TRF-TCMT-24AG
Agency	Met Council-MT
Description	Sect 5309: Twin Cities met Council MT – Orange Line-APRA funds
Miles	17.0
Program	B3
Type of work	Transit
Proposed Funds	FTA Section 5309
Total \$	365,145
FTA \$	292,116
Other \$	73,029

Background and TIP Amendment Need

This amendment is needed to bring these funds into state fiscal year 2024. These funds are not in the TIP following the Federal Transit Administration (FTA) suggestion to close the American Rescue Plan Act (ARPA) grant. However, the FTA now suggests re-obligating the ARPA funds to finish off the Orange Line obligation.

Fiscal Constraint (as Required by 23 CFR 450.216)

These funds are from re-obligated ARPA funds. Therefore, fiscal constraint is maintained.

Consistency with MPO Long-Range Plan

This amendment is consistent with the Metropolitan Council Transportation Policy Plan, adopted by the Metropolitan Council on November 18, 2020, with FHWA/FTA conformity determination established on December 4, 2020.

Action Transmittal

Transportation Advisory Board



Committee Meeting Date: December 6, 2023

Date: November 28, 2023

Action Transmittal: 2023-53

Review of Metropolitan Airports Commission (MAC) 2024-2030 Capital Improvement Program (CIP)

To: Technical Advisory Committee

From: TAC Planning Committee

Prepared By: Joe Widing, Senior Transportation Planner, 651-602-1822

Requested Action

The Metropolitan Airports Commission (MAC) requests that the Metropolitan Council review the MAC's 2024-2030 Capital Improvement Program as required by Minnesota Statutes 473.181 and 473.621.

Recommended Motion

That the TAC Planning Committee recommend that the Metropolitan Council:

- find that the Metropolitan Airport Commission's CIP process included adequate public participation;
- approve the proposed 2024 CIP runway rehabilitation and extension project at the Lake Elmo Airport which meets the dollar threshold and significant effects criteria for Council approval; and
- find the remaining CIP projects to be consistent with the Transportation Policy Plan and forward any additional project comments to the Metropolitan Council for its consideration.

Background and Purpose

The Metropolitan Airports Commission (MAC) annually prepares a Capital Improvement Program (CIP) for projects at Minneapolis-St. Paul International Airport (MSP) and their six General Aviation reliever airports. Under state statutes 473.181 and 473.621 the Council must:

- Determine adequacy of public participation in the CIP process,
- Approve CIP projects meeting certain dollar thresholds, \$5 Million at MSP and \$2 Million at all reliever airports and "significant effects" criteria (referenced in Attachment 2, A-H), and
- Review and comment on all projects for consistency with the Transportation Policy Plan (TPP), including planning and environmental concerns.

To allow letting of projects early enough for construction to start in the spring, the Council has agreed to use the draft CIP document released in September to expedite the review. The MAC will take action on December 18th to adopt the final 2024-2030 CIP and any changes from the draft will be incorporated into the report that goes forward to the Met Council in early 2024. Any changes identified after the MAC action will be reported to the Transportation Advisory Board. Any comments provided by the TAC and TAB will also be included for consideration with the final review report submitted by staff for Council action. If any projects shift, they will be reported to

TAC/TAB.

Relationship to Regional Policy

The Metropolitan Council is required by state law to annually review MAC’s CIP to ensure consistency of proposed projects with regional plans. Staff has considered the CIPs relationship to the Transportation Policy Plan and has found it is consistent with the Plan and the aviation element of the Plan. Although state law doesn’t require TAC/TAB to review the CIP, staff traditionally has sought TAC/TAB comments in the review process.

Staff Analysis

Analysis confirms that an Assessment of Environmental Effects (AOEE) has been prepared for 2024 projects with potential environmental effects, and MAC has in place an adequate public participation process for development and review of its AOEE and CIP. MAC held a public hearing on the AOEE on November 6th, at 10:30 AM at the Planning, Development and Environment Committee meeting at the MSP Conference Room.

The following 2024 projects meet the dollar threshold levels but do not meet the other “significant effects” criteria to trigger project approval:

Airport	Category	Project	Cost
MSP	End of Life/ Replacement Projects	Concourse G Apron Pavement Reconstruction	\$11,600,000
MSP	End of Life/ Replacement Projects	MSP Liquid Deicer Storage Facility	\$11,200,000
MSP	IT Projects	MAC Technology Upgrades	\$10,000,000
MSP	Long Term Comprehensive Plan Projects	Baggage Claim/Ticket Lobby Operational Improvements	\$25,000,000
MSP	Long Term Comprehensive Plan Projects	Concourse G Infill – Pod 2-3	\$320,000,000
MSP	Long Term Comprehensive Plan Projects	Terminal 2 North Gate Expansion	\$237,000,000
MSP	Maintenance/Facility Upgrade Projects	Concourse A Heating System Upgrade	\$11,000,000
MSP	Maintenance/Facility Upgrade Projects	MAC Automation Infrastructure Program	\$5,300,000
MSP	Maintenance/Facility Upgrade Projects	Apron Lighting LED Upgrade	\$5,000,000
MSP	Maintenance/Facility Upgrade Projects	MAC Storage Facility	\$34,000,000
MSP	Maintenance/Facility Upgrade Projects	Safety and Security Center	\$163,000,000
MSP	Maintenance/Facility Upgrade Projects	Maintenance Campus Infiltration Pond	\$13,100,000
MSP	Ongoing Maintenance Programs	Air Handling Unit Replacement	\$5,100,000
MSP	Ongoing Maintenance Programs	Concourse G Rehabilitation	\$10,000,000
MSP	Ongoing Maintenance Programs	Electrical Substation Replacement	\$10,000,000
MSP	Ongoing Maintenance Programs	Ground Power Substation Replacement	\$9,000,000
MSP	Ongoing Maintenance Programs	Parking Structure Rehabilitation	\$5,500,000
MSP	Ongoing Maintenance Programs	MSP Campus Building Roof Replacement	\$6,100,000
MSP	Tenant Projects	Concourse and Gate hold Modernization	\$85,600,000
STP	Reliever Airports Maintenance/Facility Upgrade Projects	Customs and Border Protection General Aviation Facility	\$4,500,000
STP	Reliever Airports Maintenance/Facility Upgrade Projects	Intelligent Monitoring and Control System Expansion	\$2,250,000
FCM	Reliever Airports Maintenance/Facility Upgrade Projects	Intelligent Monitoring and Control System	\$2,250,000



Federal, state and MAC funding has been identified by the MAC for most projects in the 2024-2030 CIP.

In addition to the above projects, there is a single project which meets both the dollar threshold and the “other significant effects” criteria which triggers the need for project approval by the Council. The runway rehabilitation project at Lake Elmo for the crosswind runway 04-22 includes a modest extension of 254 feet, to bring the runway to 2,750 feet in total length. This extension is being done in order to provide the greatest safety and operational flexibility to aircraft which use the airport. The project also includes the addition of runway edge lighting. This project is included in the Lake Elmo Airport Long Term Comprehensive Plan (LTCP) approved in 2016 and Environmental Assessment (EA)/Environmental Assessment Worksheet (EAW) approved in 2018. The EA/EAW received a finding of no significant impact by the Federal Aviation Administration (FAA) and was adopted by the MAC in October 2018. This project is consistent with previous planning efforts and environmental approvals and is consistent with the Transportation Policy Plan. The TPP states that the Lake Elmo Airport is classified as a reliever airport under the federal system, an intermediate small airport under the state system, and minor airport under the regional system. This project will not change any of these classifications.

Airport	Category	Project	Cost
21D	Reliever Airports Maintenance/Facility Upgrade Projects	Runway 04-22 Pavement Rehabilitation	\$4,000,000

All projects in the 2024 CIP appear consistent with the Transportation Policy Plan (TPP). Many of the MSP projects were evaluated in the 2020 EA for MSP that received a Finding of No Significant Impact (FONSI) in March of 2013 from the Federal Aviation Administration. Initial analysis of the future years (2025-2030) of the CIP shows that many projects will meet the dollar threshold of review but only one project will meet the significant effects criteria. The Airlake Airport Runway 12-30 Improvements is a runway reconstruction and extension project that is scheduled for 2025 implementation. This project has been delayed multiple years but is currently in the environmental review phase and is expected to be formally reviewed and approved during next year’s CIP review. After the approval of the MSP LTCP, new projects from this effort may also begin to appear in next year’s CIP and beyond. All potential projects will be re-evaluated on an annual basis.

There are three large dollar projects included in the 2024 CIP that do not meet the significant effects criteria, but are notable as they are anticipated to cost over \$100 million each.

- The Concourse G Infill Pod 2-3 project is \$320,000,000 in 2024 and will expand waiting areas and make other passenger improvements in the G Concourse but does substantially increase the enplanements capacity of Terminal 1. The Concourse G infill project had a separate EAW completed in November of 2022. The Council reviewed the EAW for this project and had no comments. The MAC determined that the project does not have the potential for significant environmental effects.
- The Terminal 2 North Gate Expansion is \$237,000,000 in 2024 and will expand Terminal 2 by adding passenger boarding bridges, gate hold seating, concessions, and support spaces. The project is anticipated to be LEED Gold rated with solar-ready roof, green roof installations and mass timber construction. This project will add additional capacity to Terminal 2 but will not meet the threshold to trigger Council approval of a 25% or greater increase passenger enplanement levels. The Terminal 2 project was included in the MSP 2020 Improvements EA/EAW.
- The Safety and Security Center project is a multiphase project which will be \$163,000,000 in 2024. This phase of the project will construct a building to house an Integrated Operations Center to consolidate operations, communications and police facilities into a centralized state-of-the-art building to improve collaboration and communication of emergency and airside operations at MSP. This project is considered a maintenance/facility upgrade and not subject to formal Council approval and does not require environmental review.

There is currently one other project for which an EAW is anticipated to be required, the Runway



30R Parallel Taxiway project which will construct a new taxiway north of runway 30R at MSP. This project is anticipated to begin in 2026, if determined feasible. The MAC notes an EAW will need to be completed before any work commences.

Committee Comments and Action

At its November 9, 2023, meeting, the TAC Planning Committee recommend acceptance of the staff analysis of MAC’s 2023-2029 CIP and forward these comments to the Metropolitan Council for its consideration.

Routing

To	Action Requested	Date Completed (Scheduled)
TAC Planning Committee	Review & Recommend	November 9, 2023
Technical Advisory Committee	Review & Recommend	<i>December 6, 2023</i>
Transportation Advisory Board	Review & Recommend	<i>December 20, 2023</i>
Metropolitan Council Transportation Committee	Review & Recommend	<i>January 8, 2024</i>
Metropolitan Council	Review & Adopt	<i>January 24, 2024</i>

MAC 2024 – 2030 Capital Improvement Program

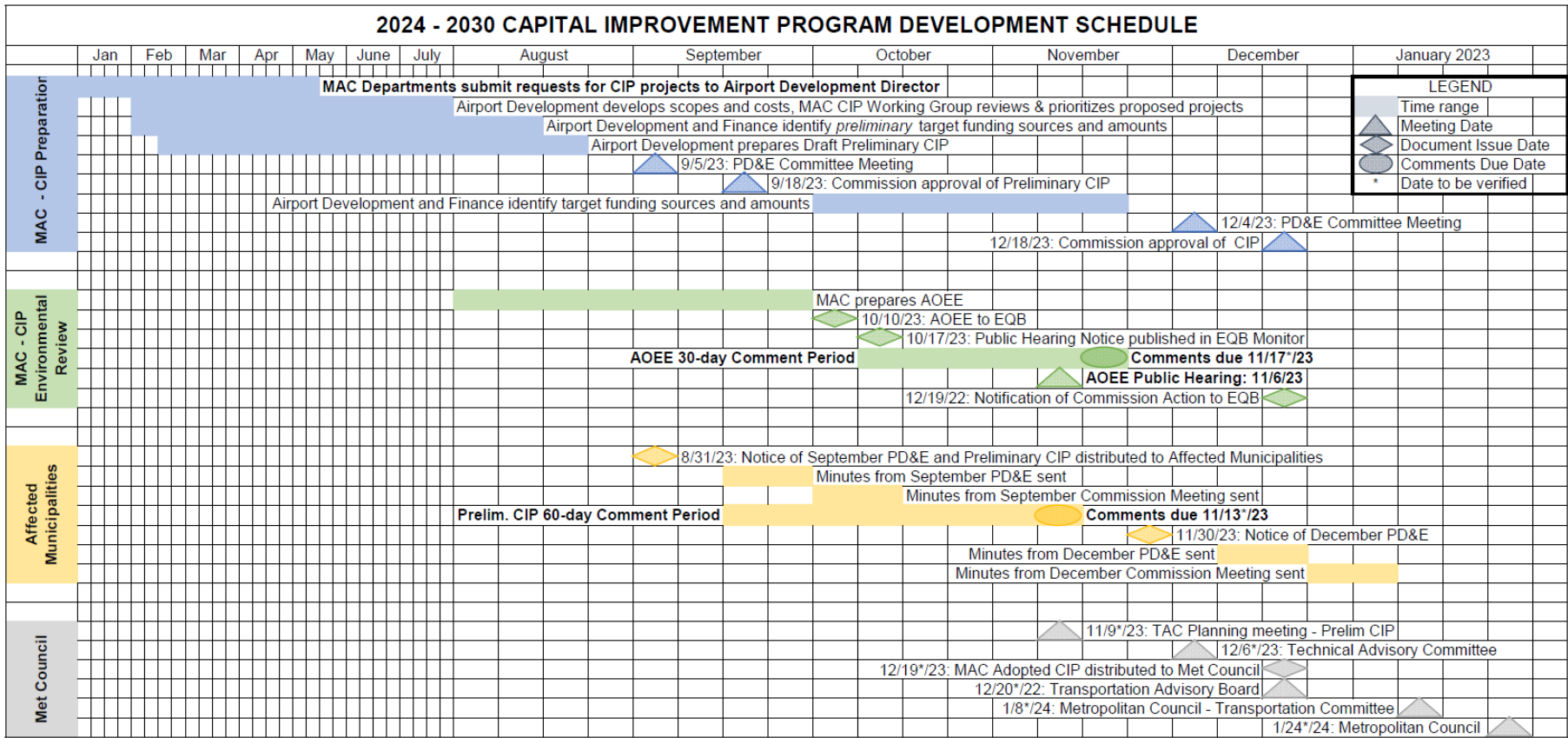
The MAC 2024 – 2030 Capital Improvement Program material included in this memorandum reflects the actions of the Metropolitan Airports Commission’s Planning, Development and Environment (PD&E) Committee on Sep. 5, 2023. Final action by the Commission is expected at their December 19, 2023 meeting. Any changes made on December 4th PD&E Committee Meeting that may affect the CIP review would be reported at the December 21st Transportation Advisory Board meeting.

The overall review schedule for the CIP is shown below. Materials for the Met Council/TAB review are included in the following attachments:

- Attachment 1 – MAC 2024-2030 CIP Development and Public Review Schedule
- Attachment 2 – Projects Meeting Statutory Review Criteria & Requiring Approval. There is one project which meets the statutory requirements, the Lake Elmo 04-22 runway rehabilitation and extension project.
- Attachment 3 – 2024 Projects Requiring an Assessment of Environmental Effects (AOEE). Four 2024 CIP projects meet criteria for environmental review, all projects have been analyzed in environmental assessments.
 - T1 Baggage Claim/Ticket Lobby Improvements
 - Terminal 2 North Gate Expansion
 - Concourse G Infill – pod 2-3 Phase 2
 - Lake Elmo Airport Runway 04-22 rehabilitation and extension
- Attachment 4 – Projects Meeting \$5M and \$2M Thresholds 2024-2030. A number of projects potentially meet the threshold dollar levels at both MSP and the MAC relievers.



Attachment 1 - Metropolitan Airports Commission (MAC) Public Participation Process:



Notes:

- All dates are tentative and subject to change.
- Affected Communities are defined in Minnesota Statutes § 473.621, Subd. 6, as amended.

Attachment 2 – 2024 Projects Meeting Statutory Review Criteria and Requiring Approval:

2024 CIP Projects, by Airport	Long-Term Comp Plan Reviews/ Actions	AOEE Actions	Capital Review Criteria (A)	Capital Review Criteria (B)	Capital Review Criteria (C)	Capital Review Criteria (D)	Capital Review Criteria (E)	Capital Review Criteria (F)	Capital Review Criteria (G)	Capital Review Criteria (H)
Details	Review Action	<ul style="list-style-type: none"> EA-EAW Prepared EIS Reviewed NPDES Approved Legislative Requirement Regulatory Requirement Legal Requirement 	Project meets Dollar threshold at: MSP = \$5M Relievers = \$2M	Location of a New Airport	New Runway at an Existing Airport	A Runway Extension at an Existing Airport	Runway Strengthening other than Routine Maintenance	New or Expanded Passenger Handling or Parking Facilities for 25% or more capacity Increase.	Land Acquisition associated with the other criteria, or that would cause relocation of residential or business activities	Project information made available by the MAC to affected cities for review
MSP International Airport 2024 Program	2030 LTCP Update Approved in 2010, 2040 LTCP to be reviewed in Jan 2024		Several projects, see business item	N/A	N/A	N/A	N/A	N/A	N/A	N/A
St. Paul Downtown Airport	2025 LTCP Approved in 2010, update anticipated to begin in 2024		Customs and Border Protection general aviation facility, Intelligent Monitoring and Control System expansion	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Flying Cloud Airport	2025 LTCP Approved in 2010, 2040 LTCP to be reviewed in 2024	MAC-City Agreement concluded; FAA review of Agreement & R.O.D. on FEIS completed as part of MAC/Airline Agreement.	Intelligent Monitoring and Control System	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crystal Airport	2035 LTCP Approved in 2017	FAA Issued FONSI in July 2019	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anoka County-Blaine Airport	2025 LTCP Approved in 2010, update anticipated to begin in 2025		None	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lake Elmo Airport	2035 LTCP Approved 2016	FAA issues Finding of No Significant Impact for EA in Aug 2018	Runway 04-22 pavement rehabilitation and extension	N/A	N/A	Runway 04-22 will be extended by 254 ft to 2,750 ft	N/A	N/A	N/A	N/A
Airlake Airport	2035 LTCP Approval in 2018	Runway 12-30 improvements EA/EAW currently underway	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Attachment 3 – 2024 Projects Requiring an Assessment of Environmental Effects (AOEEs):

Environmental Categories Affected by the Project, MSP Airport

Project Description	Are the Effects of the project Addressed in an Approved EAW, EA or EIS?	Air Quality	Compatible Land Use	Fish Wildlife and Plants	Floodplains and Floodways	Hazardous Materials, Pollution Prevention and Solid Waste	Historical, Architectural, Archaeological and Cultural Resources	Light Emissions and Visual Effects	Parks & Rec. Areas and Trails	Noise	Water Quality (Storm, Waste and Ground Water)	Wetlands	Infra-structure and Public Services	Farmland	Erosion and Sedimentation
T1 Baggage Claim/Ticket Lobby Improvements Terminal 2 North Gate Expansion Concourse G Infill – pod 2-3 Phase 2	MSP 2020 Improvements EA/EAW MSP – Concourse G Infill – Pod 2-3 EAW	None	None	None	None	None	None	None	None	None	None	None	None	None	None

Environmental Categories Affected by the Project, Reliever Airports

Project Description	Are the Effects of the project Addressed in an Approved EAW, EA or EIS?	Air Quality	Compatible Land Use	Fish Wildlife and Plants	Floodplains and Floodways	Hazardous Materials, Pollution Prevention and Solid Waste	Historical, Architectural, Archaeological and Cultural Resources	Light Emissions and Visual Effects	Parks & Rec. Areas and Trails	Noise	Water Quality (Storm, Waste and Ground Water)	Wetlands	Infra-structure and Public Services	Farmland	Erosion and Sedimentation
Lake Elmo Airport Runway 04-22 rehabilitation and extension	Lake Elmo Airport 2018 EA/EAW	None	None	None	None	None	None	None	None	None	None	None	None	None	None



Attachment 4 – MAC Projects Anticipated to Meet the \$5 million and \$2 million Thresholds from 2023 – 2029:

	=Projects that meet the \$5 million threshold at MSP or the \$2 million threshold at reliever airports but DO NOT meet “significant effects” criteria.							
	=Projects that meet the \$5 million threshold at MSP or the \$2 million threshold at reliever airports and meet the “significant effects” criteria requiring Council approval prior to implementation.							
NOTES	MSP End of Life/Replacement Projects	2024	2025	2026	2027	2028	2029	2030
	10 - Terminal 1							
2	Concourse and Hub Tram Replacement			\$300,000,000	\$300,000,000			
3	Cooling Unit Replacement	\$1,125,000						
4	Passenger Boarding Bridge Replacements	\$4,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000
5	Recarpeting Program		\$2,000,000					
5	Terminal 1 Outbound Baggage Handling System Replacement					\$250,000,000		
	13 - Energy Management Center							
5	Terminal 1 Boiler and Chiller Replacement and EMC Expansion		\$250,000		\$420,000,000			
5	Concourse E and F Bridge Heating and Cooling System Replacement	\$2,200,000	\$1,800,000					
3	GTC Dual-temperature Pump Improvements	\$2,300,000						
3	Variable Air Volume (VAV) Box Replacement	\$1,900,000		\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000
	21 - Field and Runway							
2	30L Deicing Pad Reconstruction		\$11,500,000		\$15,000,000			
2	30L Deicing Pad Expansion					\$20,000,000		
5	30L EMAS Replacement		\$19,000,000					
2	Airfield Snow Melter Replacement/Upgrades	\$1,800,000	\$1,800,000	\$1,800,000	\$2,000,000	\$2,000,000		
2	Bituminous Shoulder Reconstruction	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000			
2	Concourse G Apron Pavement Reconstruction	\$11,600,000	\$13,500,000			\$15,000,000	\$14,000,000	\$16,000,000
2	Runway 12L-30R Reconstruction			\$35,000,000				
2	Taxiway A Pavement Reconstruction					\$4,500,000		
2	Taxiway B Pavement Reconstruction	\$2,400,000	\$7,500,000			\$6,000,000	\$5,000,000	\$8,000,000
2	Taxiway C Pavement Reconstruction						\$10,000,000	
2	Taxiway D Pavement Reconstruction		\$2,500,000					
2	Taxiway H Pavement Reconstruction					\$6,500,000		
2	Taxiway J Pavement Reconstruction					\$7,500,000		
2	Taxiway R Pavement Reconstruction			\$9,500,000				
	26 - Terminal Roads/Landside							
2	Terminal 1 Access Roadway Bridge Rehabilitation							
2	UPS Loop Pavement Reconstruction	\$2,000,000						
4	Variable Message Signs Replacement, Phase 3	\$1,600,000						
	31 - Parking							
5	Parking Ramp Snow Melter Replacement/Upgrades	\$1,350,000	\$1,350,000	\$1,400,000	\$1,400,000	\$1,400,000		
	36 - Terminal 2							
4	Terminal 2 Pre-conditioned Air (PCA)							
5	Terminal 2 Recarpeting Program	\$1,300,000	\$150,000					
4	Terminal 2 Ticket Counter/Insert Replacement		\$730,000					

MAC Environmental Notes:

- 1) A project that has the potential for substantial environmental effects.
- 2) A reconstruction, rehabilitation, repair or replacement that does not physically alter the original size (an EAW or EIS is not required).
- 3) An electrical or mechanical device that monitors, indicates or controls existing conditions (an EAW or EIS is not required).

- 4) An electrical, mechanical or structural device and/or modification of an existing structure that does not significantly increase size or passenger capacity (an EAW or EIS is not required).
- 5) A project that consists of safety or security enhancements, facility maintenance, or facility upgrades (an EAW or EIS is not required).
- 6) A new, replacement or expansion project that does not have substantial effect (an EAW or EIS is not required).
- 7) Consultant fees only for planning, design, or environmental work.
- 8) Residential noise mitigation efforts that are designed to alleviate the impact of aircraft noise (an EAW or EIS is not required).
- 9) Projects associated with the Airport Foundation art program (an EAW or EIS is not required).
- 10) Projects involving the demolition of existing buildings (an EAW or EIS is not required).

NOTES	MSP End of Life/Replacement Projects Continued	2024	2025	2026	2027	2028	2029	2030
	39 – Public Areas/Roads							
2	East 62nd Street Reconstruction					\$4,100,000		
2	East 70th Street Reconstruction	\$2,400,000						
2	Post Road Reconstruction Project			\$5,000,000				
	56 – Trades/Maintenance Buildings							
6	MSP Liquid Deicer Storage Facility	\$11,200,000						
	70 – General Office/Administration							
3	GO Building Variable Air Volume (VAV) Replacement and Upgrade		\$2,000,000					
	MSP End of Life/Replacement Projects Subtotal	\$48,175,000	\$75,080,000	\$365,700,000	\$769,500,000	\$310,900,000	\$41,000,000	\$36,000,000
	MSP IT Projects							
	10 - Terminal 1							
4	Concourse C and G Digital Directory Replacement	\$200,000						
4	MAC Technology Upgrades	\$10,000,000	\$10,000,000	\$11,000,000	\$11,000,000	\$11,000,000	\$11,000,000	\$12,000,000
5	Telecom Room Equipment Continuity (TREC)	\$1,510,000	\$1,750,000	\$1,750,000	\$1,750,000	\$1,750,000	\$1,750,000	\$1,750,000
	12 - Federal Inspection Station (FIS)							
5	Customs and Border Protection Infrastructure		\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000
	36 - Terminal 2							
4	Upgrade and modernize Terminal 2 Kiosks		\$1,000,000					
	36 - Hangers and Other Buildings							
5	Multiple Points of Entry Facility		\$5,000,000	\$5,000,000	\$5,000,000			
	63 - Police							
5	Badging and Door Access (SAACS/ProWatch) Modernization			\$2,100,000				
5	Card Access Modifications	\$2,500,000		\$2,800,000		\$2,500,000		
5	Public Safety Land Mobile Radio System Solutions	\$500,000	\$1,000,000					
5	Public Safety Video (IVISN) Modernization		\$1,100,000	\$1,000,000	\$1,000,000			
	MSP IT Projects Subtotal	\$14,710,000	\$20,850,000	\$24,650,000	\$19,750,000	16,250,000	\$13,750,000	\$14,750,000

- MAC Environmental Notes:
- 1) A project that has the potential for substantial environmental effects.
 - 2) A reconstruction, rehabilitation, repair or replacement that does not physically alter the original size (an EAW or EIS is not required).
 - 3) An electrical or mechanical device that monitors, indicates or controls existing conditions (an EAW or EIS is not required).
 - 4) An electrical, mechanical or structural device and/or modification of an existing structure that does not significantly increase size or passenger capacity (an EAW or EIS is not required).
 - 5) A project that consists of safety or security enhancements, facility maintenance, or facility upgrades (an EAW or EIS is not required).
 - 6) A new, replacement or expansion project that does not have substantial effect (an EAW or EIS is not required).
 - 7) Consultant fees only for planning, design, or environmental work.
 - 8) Residential noise mitigation efforts that are designed to alleviate the impact of aircraft noise (an EAW or EIS is not required).
 - 9) Projects associated with the Airport Foundation art program (an EAW or EIS is not required).
 - 10) Projects involving the demolition of existing buildings (an EAW or EIS is not required).

NOTES	MSP Long Term Comprehensive Plan Projects	2024	2025	2026	2027	2028	2029	2030
	10 - Terminal 1							
1	Baggage Claim/Ticket Lobby Operational Improvements	\$25,000,000						
6	Checkpoint Expansion						\$11,000,000	
1	Concourse G Infill – Pod 2-3	\$320,000,000						
1	D-Pod Outbound Baggage System				\$15,000,000			
7	MSP Airport Layout Plan		\$1,000,000					
7	MSP Environmental Review		\$2,000,000					
7	MSP Long Term Plan						\$3,000,000	
	21 - Field and Runway							
5	MSP Obstruction Removals			\$1,000,000		\$1,000,000		
1	Runway 30R Parallel Taxiway			\$12,000,000	\$10,000,000	\$14,000,000		
	36 - Terminal 2							
7	Long Term Plan Projects (fees)	\$1,000,000						
1	Terminal 2 North Gate Expansion	\$237,000,000						
	MSP Long Term Comprehensive Plan Projects Subtotal	\$583,000,000	\$3,000,000	\$13,000,000	\$25,000,000	\$15,000,000	\$14,000,000	\$0

MAC Environmental Notes:

- 1) A project that has the potential for substantial environmental effects.
- 2) A reconstruction, rehabilitation, repair or replacement that does not physically alter the original size (an EAW or EIS is not required).
- 3) An electrical or mechanical device that monitors, indicates or controls existing conditions (an EAW or EIS is not required).
- 4) An electrical, mechanical or structural device and/or modification of an existing structure that does not significantly increase size or passenger capacity (an EAW or EIS is not required).
- 5) A project that consists of safety or security enhancements, facility maintenance, or facility upgrades (an EAW or EIS is not required).
- 6) A new, replacement or expansion project that does not have substantial effect (an EAW or EIS is not required).
- 7) Consultant fees only for planning, design, or environmental work.
- 8) Residential noise mitigation efforts that are designed to alleviate the impact of aircraft noise (an EAW or EIS is not required).
- 9) Projects associated with the Airport Foundation art program (an EAW or EIS is not required).
- 10) Projects involving the demolition of existing buildings (an EAW or EIS is not required).



NOTES	MSP Maintenance/Facility Upgrade Projects	2024	2025	2026	2027	2028	2029	2030
	10 - Terminal 1							
5	ADO Office Expansion	\$4,000,000						
9	Art Display Areas	\$200,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000
9	Arts Master Plan	\$1,260,000	\$1,110,000	\$1,810,000	\$1,685,000	\$600,000	\$600,000	
4	Concourse A Heating System Upgrade	\$11,000,000						
5	Delivery Node Redevelopment	\$2,300,000	\$2,700,000	\$7,800,000	\$4,320,000	\$5,000,000		
5	F/G Connector & Skyclub Repairs and Improvements		\$1,100,000					
2	Folded Plate Repairs		\$43,400,000					
5	Lavatory Buildings Rehabilitation	\$4,400,000						
4	Lighting Infrastructure Technology and Equipment (LITE)	\$1,500,000	\$2,550,000	\$1,500,000	\$2,550,000	\$1,500,000	\$2,200,000	\$3,000,000
5	LRT Station Updates		\$1,600,000					
5	Main Mall Modernization					\$3,500,000	\$3,500,000	
5	Restroom Upgrade Program	\$2,295,000	\$2,400,000	\$3,200,000	\$2,650,000	\$2,050,000	\$2,050,000	\$2,050,000
4	Steam System Upgrade Program	\$1,600,000	\$1,600,000	\$1,600,000	\$1,600,000	\$1,600,000		
4	Terminal 1 Information Booth Replacements		\$850,000					
4	Terminal 1 Curbside Canopy Repairs and Lighting Upgrades	\$350,000						
6	Terminal 1 Employee Breakroom		\$450,000					
4	Terminal 1 Tram Maintenance	\$1,000,000						
2	Terminal 1 Tug Drive Heater Replacement	\$2,000,000						
5	Terminal 1 Tug Drive Waterproofing	\$2,900,000	\$2,900,000	\$2,900,000	\$2,900,000			
4	Way-Finding Sign Backlighting Replacement	\$1,000,000	\$3,000,000		\$2,000,000		\$2,000,000	
	12 - Federal Inspection Station (FIS)							
5	FIS Facility Upgrades	\$2,175,000		\$845,000				
	13 - Energy Management Center							
4	Building Management (IMACS) Replacement		\$4,200,000					
4	Chiller Plant Optimization	\$4,000,000						
4	Energy Savings Program		\$2,000,000		\$2,000,000			
4	Indoor Air Quality Monitoring System			\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000
4	MAC Automation Infrastructure Program	\$5,300,000	\$2,300,000	\$2,400,000	\$2,400,000	\$2,400,000	\$2,400,000	
3	Steam Trap Monitoring System			\$3,000,000				
4	Victaulic Piping Replacement		\$19,000,000	\$4,000,000	\$2,200,000	\$2,300,000	\$2,350,000	

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NOTES	MSP Maintenance/Facility Upgrade Projects, continued	2024	2025	2026	2027	2028	2029	2030
	21 – Field and Runway							
5	Anti-Climb Fencing and Lighting	\$1,000,000						
4	Apron Lighting LED Upgrade	\$5,000,000	\$1,000,000	\$3,000,000	\$1,000,000	\$1,000,000		
6	Field Maintenance Building Efficiency Program		\$53,000,000		\$105,000,000		\$46,000,000	
5	GBAS = SLS-4000 Installation		\$7,000,000					
4	Runway 12L Deice Pad Reconfiguration	\$700,000						
4	Runway LED Lighting Upgrade				\$3,000,000			
4	Taxiways B & Q Islands	\$800,000						
2	Terminal 2 Glycol Lift Station/Forcemain		\$1,500,000					
4	Tunnel Lighting LED Upgrade	\$1,100,000	\$1,000,000	\$900,000	\$400,000	\$1,200,000		
	31 – Parking							
4	Electric Vehicle Charging Network Expansion		\$1,500,000	\$850,000	\$850,000	\$1,500,000	\$1,500,000	\$1,500,000
3	Parking Guidance System		\$6,500,000					
2	Red/Blue Parking Levels 2 & 3		\$9,200,000					
4	Terminal 2 Landside Office Remodel		\$250,000					
	36 - Terminal 2							
5	Ramp Information Display System (RIDS)		\$3,600,000					
5	Terminal 2 Baggage Handling System		\$410,000					
2	Terminal 2 Gate Area Passenger Amenities		\$1,000,000					
2	Terminal 2 Gate Desk/Podium Replacement				\$450,000			
6	Terminal 2 Ground Transportation Waiting Area Expansion		\$400,000					
7	Terminal 2 Lobby Passenger Flow Program	\$1,000,000						
2	Terminal 2 MUFIDS/EVIDS Millwork Upgrades		\$350,000					
5	Terminal 2 Skyway to LRT Flooring Installation		\$800,000					
5	Terminal Door Locks and Emergency Egress Upgrades	\$400,000						
	39 - Public Areas/Roads							
2	34 th Avenue Bus Area Reconstruction	\$800,000						
2	34 th Avenue Reconstruction			\$8,200,000	\$8,200,000			
2	34 th Avenue Sanitary Sewer Replacement			\$2,200,000				
3	34th Avenue Traffic Control Improvements	\$200,000						
2	Diverging Diamond Intersection Rehabilitation				\$380,000			
2	Terminal 1 Inbound Roadway Median Improvements		\$3,300,000					
4	Tunnel Fan Replacement	\$4,700,000	\$6,800,000					

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NOTES	MSP Maintenance/Facility Upgrade Projects, continued	2024	2025	2026	2027	2028	2029	2030
	46 - Hangars and Other Buildings							
7	Campus Out Building Study		\$300,000					
6	MAC Storage Facility	\$34,000,000						
6	Safety and Security Center	\$163,000,000						
	56 - Trades/Maintenance Buildings							
6	Trades Building Rehabilitation and Addition			\$25,000,000				
	63 - Police							
5	Emergency Communications Center Updates	\$150,000						
5	Perimeter Fence Intrusion Detection System		\$1,000,000					
5	Perimeter Gate Security Improvements		\$6,500,000	\$6,500,000				
5	Police Department Improvements at Terminals 1 & 2					\$1,500,000		
5	Police Department Remote Threat Isolation and Training Building		\$15,500,000					
5	Public Safety Modifications		\$1,000,000		\$850,000		\$850,000	
2	Squad Parking Modifications			\$140,000				
	66 - Fire							
5	ARFF 1 Garage Door Replacement				\$1,500,000			
5	Campus Fire Protection		\$10,000,000			\$10,000,000		
	70 - General Office/Administration							
5	Digital Signage In/At the GO			\$300,000				
5	Go Workspace Improvements	\$250,000						
	76 - Environment							
5	Firefighting Foam System Conversation	\$3,000,000						
4	Glycol Sewer & Storm Sewer Inspection/Rehabilitation	\$1,700,000	\$600,000				\$2,000,000	\$1,000,000
4	Ground Service Equipment (GSE) Electrical Charging Stations	\$500,000						
4	Infield Fueling Facility Secondary Containment		\$400,000					
4	Lift Station at Ponds 1 and 2		\$2,300,000					
4	Maintenance Campus Infiltration Pond	\$13,100,000						
5	MSP Pond 3 / 494 Pond Sediment Removal and Repairs		\$5,500,000					
4	Runway 12R-30L Glycol Forcemain Environmental Improvements	\$1,700,000						
2	Glycol Tank Roof Repairs					\$700,000		
4	Photovoltaic System Improvements	\$3,100,000						
	MSP Maintenance/Facility Upgrade Projects Subtotal	\$283,530,000	\$232,120,000	\$77,395,000	\$147,160,000	\$36,100,000	\$66,700,000	\$22,800,000

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NOTES	MSP Noise Mitigation Consent Decree Amendment	2024	2025	2026	2027	2028	2029	2030
8	MSP Noise Mitigation Consent Decree Amendment	\$1,000,000	\$500,000					
MSP Ongoing Maintenance Programs								
10 - Terminal 1								
4	Air Handling Unit Replacement	\$5,100,000	\$13,000,000	\$13,000,000	\$13,000,000	\$13,000,000	\$13,000,000	\$13,000,000
4	Baggage System Upgrades	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
4	Concourse G Rehabilitation	\$10,000,000						
4	Conveyance System Upgrades		\$3,000,000					
4	Electrical Infrastructure Program (EIP)	\$2,500,000		\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$3,000,000
4	Electrical Substation Replacement	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000			
4	Emergency Power Upgrades	\$2,500,000		\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$3,000,000
4	Plumbing Infrastructure Upgrade Program	\$700,000	\$700,000	\$700,000	\$700,000	\$700,000	\$700,000	\$800,000
5	Terminal Building Remediation Program	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000
4	Terminal Miscellaneous Modifications	\$2,600,000	\$2,600,000	\$2,600,000	\$2,600,000	\$3,100,000	\$3,100,000	\$3,100,000
13 - Energy Management Center								
4	EMC Life Safety Infrastructure Program	\$1,900,000	\$1,900,000	\$1,900,000	\$1,900,000	\$1,900,000	\$1,900,000	\$1,900,000
4	EMC Plant Upgrades (T1 & T2)	\$2,100,000	\$2,150,000	\$2,200,000	\$2,300,000	\$2,400,000	\$2,500,000	
21 - Field and Runway								
2	Airside Electrical Construction	\$2,500,000	\$5,100,000	\$2,500,000	\$2,000,000	\$2,000,000	\$2,000,000	
2	Airside Roadway Pavement Restoration	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$3,600,000
2	Miscellaneous Airfield Construction	\$3,500,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	
2	Pavement Joint Sealing/Repair	\$800,000	\$800,000	\$800,000	\$1,000,000	\$1,000,000	\$1,000,000	\$3,000,000
2	Terminal 2 Apron Reconstruction				\$6,500,000	\$8,000,000	\$8,000,000	
26 - Terminal Roads/Landside								
2	Tunnel/Bridge Inspections	\$120,000	\$120,000	\$120,000	\$120,000	\$150,000	\$150,000	\$150,000
5	Tunnel-Bridge Miscellaneous Modifications		\$1,000,000		\$1,000,000		\$1,000,000	
31 - Parking								
2	Parking Structure Rehabilitation	\$5,500,000	\$4,750,000	\$5,650,000	\$5,000,000	\$6,000,000	\$5,175,000	\$6,350,000
4	Terminal 2 Parking Facility Watermain Improvements	\$670,000						

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NOTES	MSP Ongoing Maintenance Programs, continued	2024	2025	2026	2027	2028	2029	2030
	39 - Public Areas/Roads							
2	Concrete Joint Repair	\$1,000,000	\$300,000	\$400,000	\$1,200,000	\$2,900,000	\$750,000	
2	Landside Pavement Rehabilitation	\$500,000	\$500,000		\$500,000	\$600,000	\$600,000	\$600,000
2	Landside Utility Rehabilitation	\$750,000	\$750,000	\$750,000	\$750,000	\$750,000	\$750,000	
2	Roadway Fixture Refurbishment	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$200,000
	46 - Hangars and Other Buildings							
5	Campus Building Rehabilitation Program	\$1,500,000	\$1,500,000		\$1,500,000		\$1,500,000	
2	Campus Parking Lot Reconstructions	\$3,075,000				\$3,075,000		
10	End of Life Campus Building Demolition		\$400,000	\$3,700,000				
2	MSP Campus Building Roof Replacements	\$6,100,000	\$12,500,000	\$10,200,000	\$1,000,000	\$1,000,000	\$1,000,000	\$2,000,000
	56 - Trades/Maintenance Buildings							
4	North Field Maintenance Mechanical Infrastructure Project			\$5,000,000				
4	Sump Pump Controls		\$4,000,000	\$4,000,000	\$3,500,000			
	70 - General Office/Administration							
5	GO Building Improvements	\$500,000		\$500,000		\$500,000		\$500,000
	MSP Ongoing Maintenance Programs Subtotal	\$81,765,000	\$81,920,000	\$85,370,000	\$72,920,000	\$68,925,000	\$64,975,000	\$55,200,000
	MSP Tenant Projects							
	10 - Terminal 1							
2	Concessions Upgrades/Revenue Development	\$220,000	\$224,000	\$228,800	\$234,600	\$241,500	\$250,000	\$260,000
5	Concourse and Gatehold Modernization	\$85,600,000	\$73,100,000					
6	Elevator and Concourse Improvements - Relocated United Club					\$1,000,000		
4	Terminal 1 Pre-Conditioned Air (PCA)	\$2,500,000						
	36 - Terminal 2							
6	Terminal 2 Concessions Development	\$2,000,000						
7	Terminal 2 Multipurpose Facility study	\$300,000						
	39 - Public Areas / Roads							
2	Tenant Parking Lot Reconstruction		\$2,900,000					
	46 - Hangars and Other Buildings							
6	Ground Service Equipment (GSE) Maintenance Facility					\$2,000,000		
	MSP Tenant Projects Subtotal	\$90,620,000	\$76,224,000	\$228,8000	\$234,600	\$3,241,500	\$250,000	\$260,000

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NOTES	Reliever Airports Long Term Comprehensive Plan (LTCP) Projects	2024	2025	2026	2027	2028	2029	2030
	81 - St. Paul							
7	STP Airport Layout Plan	\$500,000						
7	STP Environmental Review			\$800,000				
7	STP Long Term Comprehensive Plan	\$800,000						
	82 - Lake Elmo							
7	21D Airport Layout Plan		\$100,000				\$500,000	
7	21D Long Term Comp Plan						\$800,000	
	83 - Airlake							
7	LVN Airport Layout Plan			\$100,000			\$500,000	
7	LVN Long Term Comp Plan						\$800,000	
1	LVN Runway 12-30 Improvements		\$4,400,000					
	84 - Flying Cloud							
7	FCM Environmental Review		\$800,000					
10	FCM Purchase and Demolition of Hangars	\$1,300,000						
6	FCM South Building Area Utilities			\$800,000				
	85 - Crystal							
7	MIC Airport Layout Plan	\$100,000				\$500,000		
7	MIC Environmental Review							\$800,000
7	MIC Long Term Comp Plan					\$800,000		
	86 - Anoka County - Blaine							
7	ANE Airport Layout Plan		\$500,000					
6	ANE Building Area Development - Xylite St. Relocation		\$1,000,000					
	ANE Environmental Review				\$800,000			
7	ANE Long Term Comprehensive Plan Update		\$800,000					
	Reliever Airports LTCP Projects Subtotal	\$2,700,000	\$7,600,000	\$1,700,000	\$800,000	\$1,300,000	\$2,600,000	\$800,000

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NOTES	Reliever Airports Maintenance/Facility Upgrade Projects	2024	2025	2026	2027	2028	2029	2030
	80 - Reliever Airports							
5	Reliever Airports Security Fencing, Gates and Lighting	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
4	Reliever Indoor Air Quality Project				\$1,400,000			
4	Relievers Building Miscellaneous Modifications	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000
5	Relievers Obstruction Removals		\$300,000		\$300,000		\$300,000	
2	Relievers Pavement Rehabilitation Miscellaneous Modifications	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000
6	Relievers Used Oil Sheds a& Tanks		\$550,000					
	81 - St. Paul							
6	STP Airport Perimeter Roads		\$500,000					
2	STP Airport Road and Eaton Street Retaining Wall					\$700,000		
6	STP Cold Equipment Storage Building			\$750,000				
6	STP Customs and Border Protection General Aviation Facility	\$4,500,000						
6	STP Equipment Storage Building and Employee Crew Rooms					\$4,000,000		
4	STP Infrastructure Replacement		\$1,200,000					
3	STP Intelligent Monitoring and Control System (IMACS) Expansion	\$2,250,000						
4	STP LED Edge Lighting Upgrades	\$1,500,000						
5	STP MAC Building Improvements		\$200,000		\$200,000		\$200,000	
2	STP Pavement Rehabilitation-Taxilanes/Tower Road			\$750,000				
2	STP Runway 13-31 Pavement Reconstruction		\$5,000,000					
5	STP Runway 14-32 EMAS Replacement				\$10,000,000			
5	STP Runway 14-32 Crack Sealing	\$250,000						
2	STP Runway 14-32 Reconstruction		\$5,000,000	\$5,000,000				
2	STP Storm Sewer Improvements	\$1,500,000						
2	STP Taxiway B Rehabilitation		\$800,000					
2	STP Taxiway Lima Rehabilitation				\$200,000			
	82 - Lake Elmo							
3	21D AWOS Replacement		\$200,000					
3	21D Intelligent Monitoring and Control System (IMACS)		\$3,500,000					
6	21D Materials Storage Building	\$500,000						
2	21D North Building Area Pavement Rehabilitation	\$900,000						
2	21D North Service Roads Rehabilitation		\$500,000					
2	21D Northside Taxiway Reconstruction		\$600,000				\$600,000	
1	21D Runway 04-22 Pavement Rehabilitation	\$4,000,000						
2	21D Taxiway Echo Edge Lighting			\$600,000				
	83 - Airlake							
3	LVN AWOS Replacement		\$100,000					
2	LVN Existing Runway 12-30 Reconstruction		\$3,500,000					
3	LVN Intelligent Monitoring and Control System (IMACS)			\$1,150,000				
5	LVN Maintenance Building Renovation	\$1,250,000						
2	LVN North Service Road Pavement Rehabilitation				\$500,000			
2	LVN North Taxilanes Pavement Rehabilitation				\$1,250,000			
5	LVN Perimeter Fencing and Gates				\$4,000,000			
6	LVN South Building Area Utilities and Taxilanes			\$1,300,000				
2	LVN Taxiway Bravo Pavement Rehabilitation		\$600,000					

NOTES	Reliever Airports Maintenance/Facility Upgrade Projects	2024	2025	2026	2027	2028	2029	2030
	84 – Flying Cloud							
2	FCM Airport Access Roads and Tango Lane	\$600,000						
2	FCM Airport Access Roads Pavement Rehabilitation				\$500,000	\$500,000	\$500,000	
6	FCM Electrical Vault Modifications			\$500,000				
2	FCM Executive Aviation/MAC Maintenance Apron	\$700,000						
5	FCM Gate Replacements		\$500,000					
2	FCM Infrastructure Replacement		\$1,750,000					
3	FCM Intelligent Monitoring and Control System (IMACS)	\$2,250,000						
5	FCM MAC Building Improvements			\$600,000				
2	FCM Northside Access Road from Bravo to November Lane		\$900,000					
2	FCM Runway 10R-28L Crack Sealing	\$200,000						
2	FCM Runway 10R-28L Pavement Rehabilitation			\$2,700,000				
2	FCM Runway 18-36 Pavement Rehabilitation						\$700,000	
6	FCM Spring Lane Extension and Taxilane Connector	\$600,000						
5	FCM Tower Equipment for Airfield Lighting and Utilities		\$1,000,000					
2	FCM Underground Fuel Storage Tank Replacement	\$500,000						
	85 -Crystal							
4	MIC Existing Hangar Revitalization			\$800,000				
4	MIC Gate Replacement			\$800,000				
3	MIC Intelligent Monitoring and Control System (IMACS)			\$1,150,000				
2	MIC Runway 6L-24R Pavement Rehabilitation				\$2,500,000			
2	MIC Runway 6L-24R and Taxiway Gulf Pavement Rehabilitation		\$250,000					
5	MIC Service Road Pavement and Fencing			\$600,000				
2	MIC Stormwater Monitoring Location Drainage Repair		\$100,000					
2	MIC Taxilanes Pavement Rehabilitation		\$600,000		\$600,000			
2	MIC Taxiway Alpha Pavement Reconstruction						\$1,200,000	
2	MIC Tower Parking Lot Reconstruction		\$1,500,000					
2	MIC Underground Fuel Storage Tank Replacement	\$500,000						
	86 - Anoka County - Blaine							
2	ANE Airport Rd and GA Blvd Pavement Rehabilitation	\$700,000	\$700,000	\$700,000				
4	ANE Electrical Vault Improvements		\$750,000					
6	ANE Equipment Storage and Maintenance Building	\$1,200,000						
5	ANE Gate Controller Upgrades			\$400,000				
3	ANE Intelligent Monitoring and Control System (IMACS)		\$1,150,000					
2	ANE Runway 18-36 Pavement Rehabilitation		\$3,800,000					
2	ANE Runway 9-27 Pavement Rehabilitation					\$3,750,000		
2	ANE Taxiway B Pavement Rehabilitation						\$1,400,000	
2	ANE Underground Fuel Storage Tank Replacement	\$500,000						
6	ANE West Perimeter Road	\$1,800,000						
	Reliever Airports Maintenance/Facility Upgrade Projects Subtotal	\$27,100,000	\$36,450,000	\$18,700,000	\$22,350,000	\$9,850,000	\$5,800,000	\$900,000
	MSP Subtotal	\$1,102,800,000	\$489,694,000	\$566,343,800	\$1,034,564,600	\$450,416,500	\$200,675,000	\$129,010,000
	Reliever Subtotal	\$29,800,000	\$44,050,000	\$20,400,000	\$23,150,000	\$11,150,000	\$8,400,000	\$1,700,000
	Total	\$1,132,600,000	\$533,744,000	\$586,743,800	\$1,057,714,600	\$461,566,500	\$209,075,000	\$130,710,000

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- 8) Residential noise mitigation efforts that are designed to alleviate the impact of aircraft noise (an EAW or EIS is not required).
- 9) Projects associated with the Airport Foundation art program (an EAW or EIS is not required).
- 10) Projects involving the demolition of existing buildings (an EAW or EIS is not required).