

Capital Projects Report 2016

Road and bridge project highlights and summaries



Transportation Project Delivery
March 2017



Mission

To support, sustain and enhance the economic vitality and quality of life within Hennepin County by developing and maintaining a safe, efficient, balanced and environmentally sound county transportation system.

Contents

About our system	4
2016 highlights.....	5
Capital project map and summaries.....	7
Completed	8
Active.....	10
In Design	12
Pending.....	14
2016 completed project funding summary	15
Appendix A: Transportation capital projects by the numbers	16
Appendix B: Transportation capital project terms.....	17

About our system

Hennepin County's transportation system helps keep our county on the move. The county's busiest roads carry 40,000 vehicles a day, and more than 2.1 billion miles are traveled on county roads each year.

The system value is more than

\$5.4 billion, including:

2,200 lane miles of roadways

379 miles of sidewalks

147 bridges

Plus trails, bikeways and more

By connecting people to places across 607 square miles, our transportation system is meeting the needs of our residents with the right roads and the right modes and supporting a thriving economy and vibrant communities.

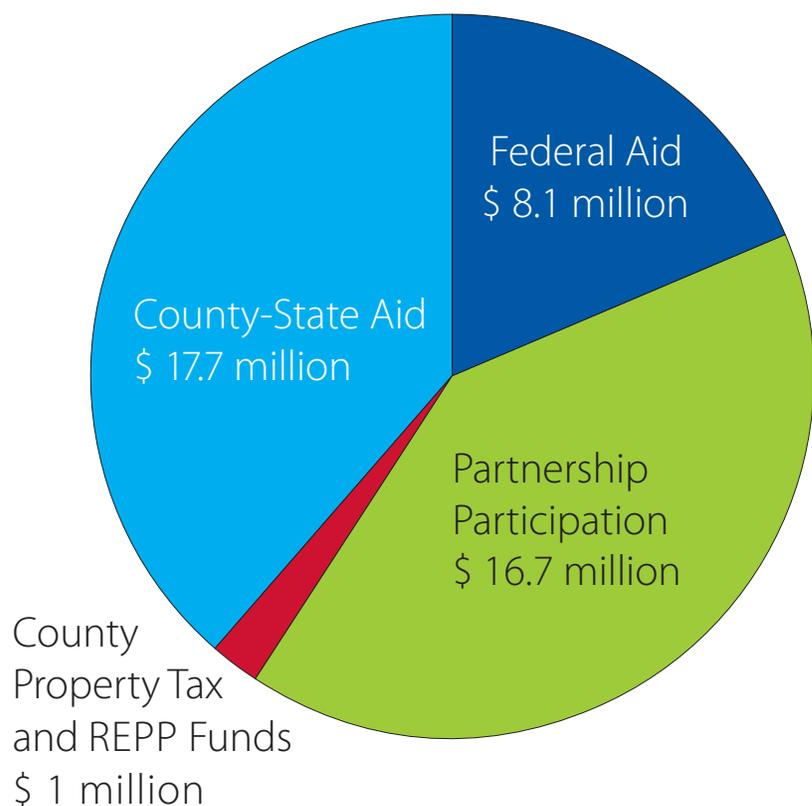
2016 highlights

Project work

At any given time, Transportation Project Delivery is working on a large number of capital projects. Last year, design staff managed 24 projects. Construction staff were focused on nine projects. Three construction projects, totaling \$43.5 million (see Figure 1), met the county's criteria to be considered fully complete. Other construction projects reached a level to be considered substantially complete. In addition, there were four pending projects that demanded some level of involvement from Project Delivery staff.

Figure 1

Current total project budget of all 2016 completed projects: \$ 43.5 million



After a construction project is complete, the most obvious benefit may be the new pavement or bridge structure built. But, intersections are reconstructed with improvements like better drainage and better sightlines, and lane miles may be added. Construction also brings new and improved traffic signals, ramps for pedestrians and people with mobility issues, and additional bikeway, sidewalk and trail miles.

For more on 2016 project improvements, see Appendix A: Transportation capital projects by the numbers.

Community excitement

Sometimes community excitement about project improvements leads to celebrations — even ahead of full project completion. This was the case on several projects in 2016. When the deck of CSAH 5 (Franklin Ave) Bridge in Minneapolis was completed with more protected space for pedestrians and bicyclists, an inaugural bike ride was organized. There was also a community gathering and bike ride for the reconstructed CSAH 48 (Minnehaha Ave) corridor in Minneapolis and a city-led ribbon-cutting on the new CSAH 101 (Bushaway Rd) in Wayzata.



Crews will complete the remainder of the restoration work on CSAH 5 (Franklin Ave) Bridge in 2017.



The CSAH 48 (Minnehaha Ave) corridor includes improvements for motorists, bicyclists and pedestrians.

Successful work on these projects and others was recognized by national publications and local residents alike. People for Bikes named the new bike lanes on Franklin Avenue Bridge among America's best of 2016, and comments from residents about other projects last year included:

"It must be incredibly satisfying to be part of something that makes such a big impact, and is wonderful to look at (and drive on) besides."

"Commendations ... for putting up with the neighbors and our commentary. I, for one, really like the improvements. Thank you for your patience in getting it to happen."

"I also want to express my appreciation for the efforts of all those involved in the design and construction of the project. It is obvious a great deal of thought and effort has gone into [it]."

As in previous years, Transportation Project Delivery was responsible with public funds and responsive to public needs, while delivering on road and bridge improvements in 2016.

Completed

Completed projects are those where the majority of the remaining work is closeout documentation, with little-to-no additional impact on the traveling public, adjacent property owners or businesses. There also may be outstanding warranty work or work to ensure the finished product is high-quality.

We completed three projects in 2016. They are listed below by level of investment.

Reconstruction

CSAH 61 (Shady Oak Rd)

reconstruction from CSAH 3 (Excelsior Blvd) to TH 7 in Hopkins and Minnetonka

Improved safety, condition of roadway, capacity and storm water management; included total intersection realignment with TH 7 and reconstruction of frontage roads, as well as new signals, drainage, medians and guardrails; added multi-use trail; improved aesthetics

Current Total Project Budget:	\$26,291,000
Actual and Encumbered to Date:	\$18,703,629
Budgeted Funding Sources:	
Federal Aid Construction	\$7,280,000
County-State Aid Construction	\$10,805,000
County Property Tax — REPP Funds	\$431,000
Local Funds — City of Hopkins	\$3,923,000
Local Funds — City of Minnetonka	\$3,202,000
State Funds — MnDOT	\$650,000

CSAH 9 (Lake Dr)*

reconstruction from CSAH 81 (Bottineau Blvd) to Xerxes Ave in Robbinsdale

Included new water system, sanitary and storm sewers; wider sidewalks, and new roadway, bike lanes, concrete curb, retaining walls, traffic signals and street lighting

Current Total Project Budget:	\$15,786,500
Actual and Encumbered to Date:	\$12,590,703
Budgeted Funding Sources:	
County-State Aid Construction	\$6,301,000
County Property Tax — REPP Funds	\$528,000
County Property Tax — Consult Services	12,500
Local Funds — City of Robbinsdale	\$7,056,000
Local Funds — Joint Water Commission	\$1,854,000
Local Funds — Three Rivers Park District	\$35,000

*Note: Pictured on the cover

Bridge Replacement

CSAH 135 (Tonkawa Rd) Bridge

replacement over the Boy Scout Channel between Maxwell Bay and North Arm Bay in Orono

Improved driving surfaces and the bridge structure, increased the shoulder width on the bridge and widened the opening for the channel under the bridge

Current Total Project Budget:	\$1,381,000
Actual and Encumbered to Date:	\$519,970
Budgeted Funding Sources:	
Federal Aid Construction	\$792,000
County-State Aid Construction	\$589,000



Active

Active projects include those in progress at any phase between construction started and completed, including substantially complete projects.

We had nine active capital projects in 2016. They are listed below by type, expected completion year and level of investment. The three starred projects (★) are substantially complete.

	Construction Started Year	Expected Completion Year	Current Total Project Budget
Reconstruction			
CSAH 101 (Bushaway Rd)★	2014	2017	\$59,584,000
reconstruction from CSAH 5 (Minnetonka Blvd) to CSAH 101 (Wayzata Blvd) in Wayzata, Woodland and Minnetonka			
Improvements to accommodate future increase in traffic; adding turn lanes, reconstruction of intersections; replacing bridge over rail corridor; updating pavement, drainage and utilities; adding retaining walls; adding trail to corridor and sidewalk at Grays Bay			
CSAH 101★	2015	2017	\$25,737,000
reconstruction from north of CSAH 62 (Townline Rd) to north of CSAH 3 (Excelsior Blvd) in Minnetonka			
Improving traffic flow and safety with turn lanes, improved crossings for pedestrians and bicyclists; updating pavement, drainage and utilities; adding multi-use trail			
CSAH 48 (Minnehaha Ave)★	2015	2017	\$19,996,000
reconstruction from CSAH 46 (46th St) to CSAH 3 (Lake St) in Minneapolis			
Improvements to address deteriorating pavement and storm water management; adding facilities for bicyclists; reconstructing intersections, including adding turn lanes and shortening pedestrian crossings at intersections; updating utilities			
CSAH 102 (Douglas Dr)	2016	2017	\$19,100,000
reconstruction from TH 55 N Frontage Rd to CSAH 70 (Medicine Lake Rd) in Golden Valley			
Improving traffic flow and safety with additional turn lanes, improving sidewalks and reconstruction of intersections; updating pavement and utilities; adding trail			
CSAH 152 (Washington Ave S)	2016	2017	\$15,000,000
reconstruction from CSAH 52 (Hennepin Ave) to 5th St S in Minneapolis			
Updating a turnback road with new turn lanes, improved facilities for pedestrians and bicyclists and reconstructed pavement and curbs; updating utilities; enhancing aesthetics			

CSAH 34 (Normandale Blvd)	2016	2017	\$3,700,000
----------------------------------	-------------	-------------	--------------------

reconstruction from 94th St to Mt Normandale Dr — City of Bloomington lead

Updating pavement and providing safety improvements including a center median and protected left turn lanes, as well as enhancements for pedestrians and bicyclists including multi-use trails

CSAH 81 (Bottineau Blvd)	2016	2018	\$18,570,000
---------------------------------	-------------	-------------	---------------------

reconstruction from 63rd Ave N to CSAH 8 (W Broadway Ave) in Brooklyn Park

Improving traffic flow and safety with additional lanes, better crosswalks and connections to side streets and frontage roads; new traffic signals and better storm water systems; part of an effort to reconstruct Bottineau Blvd between TH 100 and CSAH 30 (93rd Ave)

CSAH 53 (66th St)	2016	2019	\$63,792,000
--------------------------	-------------	-------------	---------------------

reconstruction from Xerxes Ave to Cedar Ave in Richfield

Improving traffic flow and safety with raised concrete medians; improving facilities for pedestrians and bicyclists; traffic signal replacements and reconstruction of intersections; updating utilities; replacing deteriorating pavement; improving drainage and storm water management

Bridge Replacement **Note: In construction during 2016, funded in prior CIP*

CSAH 5 (Franklin Ave) Bridge*	2015	2017	\$52,392,000
--------------------------------------	-------------	-------------	---------------------

reconstruction over the Mississippi River in Minneapolis

Reconstructing bridge deck and railings, and rehabilitating bridge structure; adding facilities for bicyclists and pedestrians; updating utilities and enhancing aesthetics

In Design

Projects in design are those in the county's Capital Improvement Program that have been approved by the Hennepin County Board of Commissioners with programmed funds, and for which design and land acquisition are underway.

We had 24 capital projects in design in 2016. They are listed below by type, anticipated bid year and level of investment.

	Anticipated Bid Year	Current Total Project Budget
Reconstruction		
CSAH 61 (Flying Cloud Dr) reconstruction from county line to Charlson Rd in Eden Prairie and Chanhassen	2017	\$69,000,000
CSAH 112 (Wayzata Blvd) reconstruction from Willow Dr to Wolf Pointe Tr in Long Lake/Orono	2017	\$19,051,415
CSAH 3 (Lake St) reconstruction from Blaisdell Ave to 1st Ave and 3rd Ave to 5th Ave in Minneapolis	2017	\$4,692,000
CSAH 115 & CR 116 reconstruction from south of TH 55 to Clydesdale Tr in Medina	2017	\$4,619,000
CSAH 24 reconstruction from east of CSAH 101 easterly 0.4 mile in Plymouth	2017	\$3,731,000
CSAH 204 reconstruction within Fort Snelling boundary	2017	\$2,599,000
CSAH 102 (Douglas Dr) reconstruction from TH 55 to N Frontage Rd in Golden Valley	2017	\$1,375,586
CSAH 3 (Lake St) landscaping from Blaisdell Ave to 1st Ave and 3rd Ave to 5th Ave in Minneapolis	2017	\$1,180,000
CSAH 103 (W Broadway Ave) reconstruction from CSAH 109 (85th Ave) to CSAH 30 (93rd Ave N) in Brooklyn Park	2018	\$29,842,000
CSAH 103 (W Broadway Ave) reconstruction from Candlewood Dr to CSAH 109 (85th Ave) in Brooklyn Park	2018	\$21,988,000
CSAH 20 (Blake Rd) reconstruction from TH 7 to CSAH 3 (Excelsior Blvd) — City of Hopkins lead	2018	\$14,456,000

CSAH 112 (Wayzata Blvd) reconstruction from Wolf Pointe Tr to Wayzata Blvd in Long Lake/Orono	2018	\$12,270,000
CSAH 30 (93rd Ave) reconstruction from Xylon Ave to east of Winnetka Ave in Brooklyn Park	2018	\$7,060,000
CSAH 81 (Bottineau Blvd) reconstruction from CSAH 8 (W Broadway Ave) to TH 169 in Brooklyn Park	2019	\$25,941,000
CSAH 112 (Wayzata Blvd) from CSAH 6 to Willow Dr in Long Lake/Orono	2019	\$14,752,000
CSAH 152 (Brooklyn Blvd) reconstruction from 49th Ave to CSAH 10 (Bass Lk Rd) — City of Brooklyn Center lead	2019	\$3,831,000
CSAH 28 (E Bush Lake Rd)/I-494 Ramp reconstruction — City of Bloomington lead	2020	\$8,500,000

Bridge Replacement **Note: In Community Works 2017–2021 CIP*

CSAH 46 (46th Street) Bridge replacement over Godfrey Pkwy in Minneapolis	2016	\$4,621,000
CSAH 146 (Brown Rd) Bridge replacement over Long Lake Creek, south of Fox St in Orono	2016	\$1,475,000
CSAH 35 (Portland Ave) Bridge* over Midtown Greenway in Minneapolis	2017	\$4,000,000
CSAH 152 (Cedar Ave) Bridge* over Midtown Greenway in Minneapolis	2017	\$4,000,000
CR 202 Bridge replacement at Elm Creek in Dayton	2018	\$2,834,000

Intersection Improvements

CSAH 3 (Lake St) construct ramps at I-35W Phase II in Minneapolis — MnDOT lead	2017	\$38,696,000
CSAH 17 (France Ave) turn lanes and signals at TH 62 in Edina	2019	\$1,575,000

Pending

Pending projects are those in the county's Capital Improvement Program that have been approved by the Hennepin County Board of Commissioners with programmed or future funding, but for which design has not yet begun. Scoping and planning may be underway.

We had four projects pending in 2016. They are listed below by type and expected completion year.

	Expected Completion Year	Current Total Project Budget
Corridor Studies		
TH 252 improvements from I-694 to TH 610 in Brooklyn Center/Brooklyn Park	2017	\$300,000
Reconstruction		
CSAH 94 (29th Ave NE) reconstruction from CSAH 88 (New Brighton Blvd) to county line in St. Anthony — Ramsey County lead	2019	\$2,200,000
Bridge Replacement		
77th St underpass at TH 77 (Cedar Ave) City of Richfield lead	2020	\$1,500,000
Intersection Improvements		
CSAH 15 (Shoreline Dr)/CSAH 19 (Shadywood Rd) intersection improvements in Orono	2020	\$1,095,000

2016 completed project funding summary

Revenue

Property Tax Funds

Property Tax (REPP)	\$959,500
Property Tax (Consult Services)	\$12,500

Total Property Tax Funding **\$972,000**

Federal Funds **\$8,072,000**

State Funds

County-State Aid Construction	\$17,694,500
-------------------------------	--------------

Total State Funding **\$17,694,500**

Partnership Participation **\$16,720,000**

TOTAL REVENUE **\$43,458,500**

Expenditures

Land **\$12,550,000**

Construction **\$29,034,500**

Consulting **\$1,874,000**

TOTAL EXPENDITURES **\$43,458,500**

Appendix A

Transportation capital projects by the numbers

A look at project improvements completed, in progress and planned

	Completed	Active	In Design	Pending
Total Projects in 2016	3	9	24	4
Through and turn lane miles reconstructed	5	42	54	-
Through and turn lane miles added	2	1	11	-
Intersections reconstructed	22	108	88	-
Traffic signals modified	3	31	38	-
Bridges constructed or rehabilitated	1	2	11	-
ADA pedestrian ramps built or modified	112	-	-	-
Bike lane miles added	2	11	-	-
Sidewalk miles added	3	10	4	-
Multi-use trail miles added	1	10	18	-

Colors correspond with those on the map on page 7

Appendix B

Transportation capital project terms

Capital Improvement Program (CIP)

A five-year program that establishes a funding schedule for the county's capital projects. Multi-year projects require annual funding approval. Only the current-year funding is appropriated for disbursement. The four outlying years are estimated appropriations for planning purposes.

Consulting Expenses

Fees paid to an external party, agency or firm whose expertise is provided on projects based on need.

County Roads

The part of the state-wide highway system that may be established by a county at its discretion and for which it may expend county funds as deemed necessary for system improvement and maintenance. County roads are different than County State Aid Highways (see below).

County State Aid Highways (CSAHs)

The part of the state-wide highway system established to form an integrated, coordinated network of highways that connects towns, communities, shipping points and markets within a county. The state aid formula provides funding assistance to this system for construction and maintenance. The funding is distributed from the Highway User Tax Distribution Fund (see next page). Approximately 60 percent is provided for construction of projects contained in the county's Capital Improvement Program. Approximately 40 percent is provided for county maintenance of County State Aid Highways.

County State Aid — Regular and Municipal Accounts

Funding from the Highway User Tax Distribution Fund (see next page) to counties is placed in either the county's Regular Account or Municipal Account. Funds in the Regular Account may be used on any County State Aid Highway within the county. Funds in the Municipal Account may only be used on County State Aid Highways in cities or townships whose populations are less than 5,000.

Current Total Project Budget

Includes the County Board-approved 2016 CIP budget, plus any budget revisions approved by board action in the year 2016, including the 2017 CIP. This is limited to the county contribution for participation projects.

Federal Funding

Funds awarded to an agency by the Metropolitan Council through its solicitation process or received as a result of an earmark by Congress.

Transportation capital project terms *continued*

Highway User Tax Distribution Fund

The Minnesota Department of Transportation uses the Minnesota Highway User Tax Distribution Fund (HUTDF) to allocate funds to local governments. Fund revenues are from the state gas tax and motor vehicle sales tax, plus license tab fees.

- 5 percent is set aside for the Township Road Fund, Township Bridge Replacement Fund, and Flexible Highway Account, which is used for county turnback projects.
- 62 percent of the remainder goes to the trunk highway system.
- 29 percent of the remainder is for the County State Aid Highway system. Formula is based on equalization (i.e., each county receives an equal proportion of the funds), vehicle registration, lane miles and construction needs.
- 9 percent of the remainder is for the Municipal State Aid Street (MSAS) system. Formula is based on population and construction needs.

Lane Miles

The length of a roadway (in miles) multiplied by the number of traffic lanes.

Roadside Enhancement Partnership Program (REPP)

This is a capital budget line item that provides for participation with municipalities in the beautification of county roadway corridors in those municipalities located wholly within the Metropolitan Urban Service Area (MUSA).

State Bridge Bonding

Bridge bond funds are issued from the state's local bridge bond program, and are provided to local agencies who have received federal funds to further write down the cost of bridge replacement or rehabilitation.

State Turnback Funds

Funding provided by law for payment to a county for approved repair and restoration or reconstruction of trunk highways that have reverted to county jurisdiction and have become part of the state-aid system based on realignment of a trunk highway or through changes in traffic patterns. This is a one-time funding allotment for a specific roadway.

Hennepin County

Hennepin County does not discriminate and provides equal access to employment, programs and services without regard to race, color, creed, religion, age, sex (except when sex is a bona fide occupational qualification), disability, marital status, sexual orientation, public assistance status, socio-economic status, education, ethnicity and/or national origin. If you believe you have been discriminated against, contact the Human Resources Department, A-400 Government Center, 300 S. Sixth St., Minneapolis MN 55487, or call 612-348-2163. (9/09)

