



Lincoln MPO Technical Committee Agenda Summary

AGENDA ITEM NO.	7
MEETING DATE	April 10, 2024
REQUEST	VOTE: Proposed FY 2025-2028 Transportation Improvement Program
ASSOCIATED MEETINGS	The MPO Programming and Funding Committee convened for development of the FY 2025-2028 TIP. The TIP falls under the work items for this committee, which reports to the MPO Technical Committee. The Programming and Funding Committee reviewed the Draft FY 2025-2028 TIP, expressed support, and forwarded it to the Technical Committee and Planning Commission for review as to conformance with the Long Range Transportation Plan. The Planning Commission will hold a public hearing on the proposed FY 2025-2028 TIP on May 8, 2024.
STAFF CONTACT	Rachel Christopher, rchristopher@lincoln.ne.gov , 402-441-7603

RECOMMENDATION: APPROVE THE FY 2025-2028 TRANSPORTATION IMPROVEMENT PROGRAM

BACKGROUND

Lincoln Metropolitan Planning Organization (MPO) staff has prepared the Draft FY 2025-2028 Transportation Improvement Program (TIP) for public review and comment. The TIP includes surface transportation and planning projects to receive federal funds and projects of regional significance that are planned for the metropolitan area during Federal Fiscal Years 2025-2028. The TIP is based upon the Federal Fiscal Year from October 1 to September 30.

SUMMARY OF REQUEST

The proposed FY 2025-2028 TIP has been developed by Lincoln MPO staff to be in compliance with regulations contained in the Bipartisan Infrastructure Bill, the most recent legislation governing the federal transportation program.

The FY 2025-2028 TIP is available at:

<https://www.lincoln.ne.gov/City/Departments/Planning-Department/MPO/TIP>

Enclosed is a summary of the projects in the FY 2025-2028 TIP.

CONFORMANCE WITH 2050 LONG RANGE TRANSPORTATION PLAN

Most projects contained in the proposed 2025-2028 TIP are being carried forward from the current 2024-2027 TIP with the exception of several projects being added and removed as described below. The projects being carried forward were previously determined to be in conformance with the [L RTP](#).



The State of Nebraska Department of Transportation program added several new projects listed below. These projects are coordinated with the State's TIP and are considered to be in general conformance with the LRTP.

- US-77, Ceresco South: Resurface, culverts
- I-80, 27th Street - Platte River: Cable median barrier
- I-180, I-80 - Cornhusker Highway: Concrete surface seal
- I-80, Jct I-180 - E Jct US-77: Joint Seal
- I-80, Waverly - Jct N-66: Concrete Repair
- I-180, I-80 Interchange - Cornhusker Highway: Mill, resurface
- District 1 Dynamic Message Signs (DMS) Replacement: Replace DMS boards (areawide)
- L-55X, Link L-55 North (US-6 - I-80 along 56th Street): Mill, resurface
- I-80 District 1 Dynamic Message Signs (DMS) Retrofit: Retrofit DMS structures (areawide)

The City of Lincoln Transportation and Utilities Program – Transportation added one new project listed below. This project is in conformance with the LRTP as it appears as Project ID 133 in Table 7.6 and Figure 7.2, Fiscally Constrained Urban Roadway Capital Projects on pages 7-15 and 7-16. The bridge will be funded with MPO Surface Transportation Block Grant (STBG) funds.

- [S. 27th Street Bridge at SE Upper Salt Creek](#)

The City of Lincoln Transportation and Utilities (LTU) – Transportation program removed two projects listed below. The listing for Transportation Livable Neighborhoods provides funding for planning and design, preliminary engineering and construction of improvements in the right-of-way such as street enhancements. This line item is being eliminated as its objectives are now integrated into LTU's preservation and optimization initiatives. This streamlining allows for more efficient resource allocation and ensures a cohesive approach to community development, without compromising their commitment to improving transportation accessibility and fostering livable environments. The project for 14th Street/Warlick Blvd/Old Cheney Road appears in the LRTP as Project ID 79 in Table 7.6 and Figure 7.2, Fiscally Constrained Urban Roadway Capital Projects on pages 7-13 and 7-16. The project is being removed because NDOT is conducting a traffic study for improvements to Highway 77 associated with a planned upgrade of Highway 77 from expressway to freeway standards, with outcomes and timing currently unknown as to how those improvements may influence traffic at the project location of S. 14th Street, Warlick Boulevard, and Old Cheney Road.

- [Transportation Livable Neighborhoods](#)
- [14th Street/Warlick Blvd/Old Cheney Rd](#)

The Pedestrian, Bike and Trails program added one new project listed below and located in the City of Hickman. The project was awarded funding from the federal Recreational Trails Program (RTP) competitive grant program administered by the Nebraska Game & Parks Commission. It is considered to be in general conformance with the 2050 LRTP as the LRTP includes discussion of the interaction of local trails with the larger, regional trail network in the metropolitan planning area and mentions trails within the cities of Hickman and Waverly. Discretionary and competitive funds were not generally identified in the LRTP funding outlook but the LRTP encourages agencies to apply for those additional funding sources.

- [City of Hickman Recreational Trail](#)

CONGESTION MANAGEMENT AND EQUITY CONSIDERATIONS

Congestion management and equity are review elements applicable to new projects being added to the TIP. Their inclusion was added to the TIP process to address recommendations from the Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) at the Lincoln MPO’s four-year certification review in May 2021. The congestion management and equity review integrates project-level information from the LRTP and MPO Congestion Management Process with proposed additions to the TIP to better inform decision-making. They will apply to all TIP programs/projects except NDOT, Lincoln Airport Authority, and FTA.

Equity is addressed through one of the eight goals of the LRTP, which states, “Transportation investments developed through an inclusive process that promotes equitable outcomes.” Areas with Underserved and Overburdened Communities were mapped based on Census inputs including low income, minorities, single heads of household, limited English proficiency, age 65+, disabilities, and zero vehicle households (see attached map). Roadway and trail projects not having committed funding at the time the LRTP was developed were also given scores for each of the eight goals including Equity and a Total score.

Congestion is addressed based on the Lincoln MPO Congestion Management Process (CMP) adopted in May 2020. The CMP provides a systematic approach for managing congestion by defining a CMP network and identifying strategies to reduce trips and vehicle miles traveled, shift automobile trips to other modes, improve roadway operations, improve infrastructure, and add capacity.

S. 27th Street Bridge at SE Upper Salt Creek

This bridge was constructed in 1936 and would be reconstructed. The reconstructed bridge will include space for future sidewalk.

Congestion Management Process

- Is the project in the Lincoln MPO [CMP Network](#)? *Yes, the project is located on a minor arterial street, S. 27th Street, south of Rokeby Road.*
- Is the project on a high-congestion segment as identified in the [2050 LRTP](#)? (Existing, 2035, or 2050 model years). *2050 – Yes, shown as yellow for ‘congesting’ (image below).*



- Identify which Congestion Management Process (CMP) strategies the project supports (see [pages 17-20 of the CMP](#)): *C.10 Vehicle Use Limitations and Restrictions; C.14 Goods Movement Management*

Equity

- Is the project located in an area with High or Moderate to High Overburdened and Underserved Communities? *No*
- If yes to the previous question, provide explanation of how the project creates a benefit or burden to these communities and ways the project could be modified (if neutral or negative impact): *N/A*
- Provide the project’s Equity Score and Total Score from [Appendix G of the LRTP](#) (if applicable):
 - *Equity Score = 0.33 (out of 1.0)*
 - *Total Score = 45.37 (out of 100)*

City of Hickman Recreational Trail

Congestion Management Process

- Is the project in the Lincoln MPO [CMP Network](#)? *No*
- Is the project on a high-congestion segment as identified in the [2050 LRTP Appendix E1](#)? (Existing, 2035, or 2050 model years) *N/A*
- Identify which Congestion Management Process (CMP) strategies the project supports (see [pages 17-20 of the CMP](#)): *B.7 New Sidewalk Connections*

Equity

- Is the project located in an area with High or Moderate to High Overburdened and Underserved Communities? *No*
- If yes to the previous question, provide explanation of how the project creates a benefit or burden to these communities and ways the project could be modified (if neutral or negative impact): *N/A*
- Provide the project’s Equity Score and Total Score from [Appendix G of the LRTP](#) (if applicable): *N/A – project was not part of original LRTP scoring.*

BUDGET CONSIDERATIONS

The proposed FY 2025-2028 TIP is fiscally constrained and the project funding identified within it can be accommodated within the MPO’s funding allocations.



Lincoln Metropolitan Planning Organization

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To: MPO Technical Committee
From: Rachel Christopher, Transportation Planner
Date: April 1, 2024
Subject : Proposed FY 2025-2028 Transportation Improvement Program

The MPO Technical Committee will review the proposed FY 2025-2028 Transportation Improvement Program (TIP) at their meeting on April 10, 2024 and make a recommendation to the MPO Officials Committee. The Planning Commission will also hold a public hearing on the FY 2025-2028 TIP as to conformance with the 2050 MPO Long Range Transportation Plan (LRTP) on May 8, 2024. A summary of the projects in the proposed TIP is provided below.

State of Nebraska: Department of Transportation

The State program includes twenty-four projects that focus on system rehab/resurfacing, system maintenance, and replacement. Listed are programming two bridge replacement/repair projects, five bridge replacement/repair/roadway resurfacing projects, two roadway widening/resurfacing projects, three mill/resurface projects, one culvert project, one high mast tower replacement project, seven joint seal/concrete repair projects, one cable median barrier project, and two dynamic message sign projects. These projects are coordinated with the State's TIP and are considered to be in general conformance with the LRTP.

Bridge Replacement/Repair

- I-180: Adams Street Bridge
- I-180 Bridges over I-80

Bridge Replacement/Repair & Roadway Resurfacing

- N-43: N-41 – Bennet
- US-34: Lincoln West bridges
- N-79: Agnew North Bridges
- S-55G: Hickman Spur
- N-79: US 34 – Raymond Road

Roadway Widening/Resurfacing

- US-77: Ceresco South
- US-77: Lincoln West Beltway

Mill/Resurfacing

- I-180: Cornhusker South
- I-180: I-80 Interchange – Cornhusker Highway
- L-55X: Link L-55X North (between Cornhusker Highway and I-80)

Culverts (1)

- US-6 Emerald East Culverts

High Mast Tower Replacement Project (1)

- I-80 District 10A High Master Tower Replacement.

Joint Seal/Concrete Repair (7)

- I-80: Airpark – I-180
- US-77: Beatrice – Princeton
- US-77: US-77/I-80 North
- N-2: Lincoln – Syracuse
- I-180: I-80 – Cornhusker Highway
- I-80: Jct I-180 – E Jct US-77
- I-80: Waverly – Jct N-66

Cable Median Barrier (1)

- I-80: 27th Street – Platte River

Dynamic Message Signs (DMS) (2)

- District 1 DMS Replacement
- District 1 DMS Retrofit

Lancaster County – County Engineering:

The Lancaster County improvement program includes ten projects. The list below includes five safety projects, four roadway capital projects, and one bridge replacement project. All county projects are considered to be in conformance with the LRTP.

Safety Improvement Projects

- Saltillo Road, 27th Street to 68th Street, 2.7 miles: Widening/paving earthen shoulders with safety edges and safety improvements for S. 40th Street and S. 56th Street intersections.
- 148th Street and Holdrege Street: Intersection improvements including left turn lanes on north and southbound approaches.
- S. 68th Street, Firth Road to Stagecoach Road, 5.0 miles: Grading, widening, and surfacing.
- N. 14th Street, Alvo Road to Ashland Road, 10.5 miles: pavement overlay, trench and shoulder widening, construction of a safety section, and centerline and edgeline rumble strips.
- S. 68th Street, Hickman to Roca Road, 1.5 miles: pavement overlay, trench and shoulder widening, construction of a safety section, centerline and edgeline rumble strips, and intersection improvements at Martell Road.

Roadway Capital Projects

- S. 98th Street, Old Cheney Road to A Street, 3.0 miles: Preliminary engineering and construction of a 24 foot asphalt surface with turf shoulders.
- S. 98th Street, A Street to O Street, 1.0 mile: Preliminary engineering and construction of asphalt

paving and drainage structures. Since S. 98th Street from Old Cheney to O Street is within the 2050 Future Service Limit, the City and County will closely coordinate on these projects.

- Fletcher Road, 84th Street to 148th Street, 4.5 miles: Preliminary engineering and construction of 28 foot asphalt surface with turf shoulders. Since Fletcher Road from 84th Street to east of 98th Street is within the 2050 Future Service Limit, the City and County will closely coordinate on this project.
- NW 56th Street, I-80 to W. Holdrege Street, 0.7 miles: Preliminary engineering and construction to include grading, widening, and surfacing. Since NW 56th Street from I-80 to W. Holdrege Street is within the 2050 Future Service Limit, the City and County will closely coordinate on this project.

Bridge Replacement Project

- Arbor Road Bridge over the Little Salt Creek, 0.1 miles: Preliminary engineering and construction of bridge to replace existing 120' slab bridge.

City of Lincoln Transportation and Utilities:

This program includes significant resources for projects that focus on traffic management, traffic signal timing, equipment replacement and Intelligent Transportation System (ITS) projects that are needed to improve traffic flow. Other focus areas are for traffic safety and operations for intersection projects, sidewalk maintenance, and roadway and bridge infrastructure rehabilitation or improvements. Below are the major intersection, roadway, and bridge infrastructure improvement projects. All projects are considered to be in conformance with the LRTP.

Transportation System Preservation

This program component focuses on repair and preservation of transportation system assets including rehabilitation of streets, intersections, traffic signals, bridges, and facilities in the public street right-of-way. Projects include concrete repairs, asphalt mill & overlay, surface treatments, signal structures and equipment replacement, bridge/structure work, facility improvements, and other transportation preservation and rehabilitation efforts.

- S. 56th Street, Spruce Street to Van Dorn Street – pavement repair
- Randolph Street, Capital Parkway to 40th Street - pavement repair and intersection improvements at 33rd Street and 40th Street
- 1st Street & Cornhusker Highway – traffic signal replacement
- 9th & A St., 9th & D St., 10th & A St., 10th & D St. - traffic signal replacement
- N 84th Street & College Park - traffic signal replacement
- 66th St./Cotner Blvd./Adams St. - traffic signal replacement
- Cornhusker Highway, 39th Street to L-55X – pavement repair, intersection improvements, mill and overlay, curb ramp reconstruction and utility adjustments
- Preventative Maintenance Bridge Package – maintenance of bridges such as Harris Overpass, N. 27th Street viaduct, SW 40th Street viaduct, Penny Bridges, and 10th Street & Salt Creek Bridge
- 48th St. & Calvert St. and 56th St. & Calvert St. – traffic signal replacement
- W. South Street Bridge over Salt Creek – bridge replacement
- S. 27th Street Bridge over SE Upper Salt Creek – bridge replacement

Transportation System Optimization

This program component focuses on optimization of transportation system assets including program delivery, intersection improvements, signal system optimization, street capacity (widening), structures within the built environment, turn lanes, complete streets concepts and technology

enhancements. Projects include new intersection modifications (turn lanes, roundabouts) new signal system hardware, adding lanes to existing streets, access improvements, bike & pedestrian improvements, signing, safety projects and transportation system management infrastructure.

- A Street, 40th Street to 56th Street – intersection improvements and widening
- Adams Street, 36th Street to 48th Street – pavement repair and widening
- 84th Street and US-6 (Cornhusker Highway) – safety project
- Cotner Boulevard, O Street to Starr Street – pavement repair and intersection improvements
- A Street, 6th Street to 17th Street – intersection improvements and widening
- Pilot – Hyperflow Software Tool – corridor performance system
- S. 70th St. and Nebraska Parkway – intersection improvements

Transportation System Growth

This program component focuses on growth of new transportation system assets including new streets, right-of-way improvements, bridges/structures in new growth areas and major upgrades to the fringe area street network. Projects include new streets and right-of-way improvements, new bridges and support structures, new intersections and signal system hardware, and major upgrades to the fringe area street network.

Transportation Sidewalk Program

This program is for the maintenance and repair of sidewalk infrastructure. Projects include sidewalk repair and replacement, panel leveling, and construction of ADA curb ramps. The LRTP recommends continuing to increase funding for sidewalk repairs.

Capital Roadway Projects

- East Beltway: Corridor protection and right-of-way (as needed) for a four lane freeway between Hwy 2 and I-80. The LRTP recommends continuing corridor protection.
- West "A" Street from west of Coddington to west City Limits: Construction of a two lane urban facility with intersection improvements and turn lanes. This project is listed as Committed in the LRTP.
- S. 40th Street from Yankee Hill Rd to south of Rokeby: Construction of a two lane urban facility with intersection improvements and turn lanes. This project is listed as a Developer Commitment in the LRTP.

StarTran:

The Public Transportation Element of the TIP includes operational and capital improvement programs for the City of Lincoln Public Transportation projects that are typically funded through the Federal Transit Administration (FTA) and local funds. The primary focus of this program is to maintain StarTran services and provide for StarTran's Vehicle Replacement Program. All projects are considered to be in conformance with the LRTP.

- Service and revenue service vehicle replacements.
- Bus stop amenities such as benches, shelters, pads, signage, bicycle related equipment and landscaping.
- Security enhancements as required by FTA. Such enhancements will include improved facility surveillance and improved bus camera systems.
- Computer hardware and software for continued upgrade/replacement of computer services for StarTran administration, operators, and maintenance functions. Funds are proposed to purchase maintenance software, farebox cell phone validators, a plotter, and upgraded staff computers.

- Shop tools/equipment for continued routine upgrade and replacement. Such tools and equipment include vehicle lifts, oil reels, and fall protection items.
- Improvements to buildings, ground and land for an atomic clock system, garage doors improvements, and parking lot striping.
- Fareboxes: Funds are proposed for replacement of all bus fareboxes.
- Multimodal Transportation Center: The Multimodal Transit Transfer Center (MTTC) project will improve travel options to central business district destinations, improve connections between different travel modes, and improve bus passenger amenities including covered passenger boarding areas and interior passenger amenities. This project includes completion of a feasibility study, environmental and design work, and construction including the installation of electric charging units.
- Fast Fuel Compressed Natural Gas Station: Update of feasibility study and build a fast fuel compressed natural gas station at 710 J Street.
- Maintenance Facility Construction/Relocation: Funds are proposed to construct a new bus maintenance and storage facility.
- Electric Bus EV Charging Stations: Replacement charging stations for electric buses to be used at StarTran's current facility, with potential future use at the new Multimodal Transportation Center or new planned maintenance facility.

Lincoln Airport Authority:

The Lincoln Airport Authority improvement program includes operational and capital improvement programs for the City of Lincoln Airport that are typically funded through the Federal Aviation Administration (FAA) and local funds. All projects are considered to be in conformance with the LRTP.

- Snow removal equipment building
- Runway and taxiway improvements including design, construction, pavement, lighting and other equipment
- General aviation development
- Relocate run-up pad
- Oak Creek levee improvements
- Terminal ramp rehabilitation
- Interlocal Agreement for Minimum Revenue Guarantee
- Terminal parking garage solar roof canopies

Federal Transit Programs:

Federal Transit Administration Grants assist in the development and support of intercity bus transportation and enhance the access of people to employment, health care, shopping, education, public services, and recreation. All projects are considered to be in conformance with the LRTP.

- NDOT Vanpool Project: Vendor vanpool services provide statewide contracted services for a) Metro Vanpool service for Lancaster, Sarpy, & Douglas counties between Lincoln and Omaha (LCLC & MAPA) and b) Statewide, Rural Nebraska Vanpool service.
- Section 5310 Program: These projects or programs are designed to support transportation services that meet the special transportation needs of seniors and individuals with disabilities in urbanized areas. Eligible projects include both traditional capital investment and nontraditional investment beyond the Americans with Disabilities Act (ADA) complementary paratransit services.

Pedestrian, Bike & Trails:

The projects located in this section of the TIP are generally funded with a combination of local and federal funds that comes from either the Transportation Alternatives Program (TAP) or Recreational Trails Program (RTP) funds. All projects are considered to be in conformance with the LRTP.

City of Lincoln Parks & Recreation Department

- Beal Slough Trail Project: This is a ten-foot wide trail to extend along the Beal Slough Channel and the railroad from 56th Street & London Road connecting to 70th Street & Yankee Hill Road.
- Fletcher Landmark Trail: This is a trail project for concrete trail to follow primarily alongside Fletcher Street from N.14th Street to N. 27th Street.
- Wilderness Hills Trail: This project is a trail extending south from about 37th Street and Yankee Hill Road where it will branch off in two segments, one leading east to an underpass of S. 40th Street, the other southwest to an underpass of Rokeby Road.
- Waterford Trail: This is a trail project beginning at 84th and College Park east across Southeast Community College to the corner of 98th and Boathouse Road and extending east and north to the corner of 104th and Holdrege.
- Rock Island Trail Undercrossing at Old Cheney Road: This is a project for a grade separated crossing of the Rock Island Trail under Old Cheney Road east of S. 16th Street where there is currently an at-grade crossing.
- Rock Island Trail Widening – A Street to Boosalis Trail: This project would widen the trail from 8 feet to 11 feet in this busy section to assist with capacity, as well as replace a pedestrian/bicycle bridge over Garfield Street.

City of Lincoln/Lancaster County Planning Department

- B Street Bicycle Boulevard: This is an on-street bicycle facility on B Street from 11th to 26th Streets and on 26th Street from A to B Street, and a sidepath on A Street from 26th to 27th Streets.

City of Lincoln Transportation and Utilities Department

- Active Transportation Enhancements for the Multimodal Transportation Center: Pedestrian and bicycle improvements to facilitate commuter movements to and from the new multimodal center would be constructed in conjunction with that project.

City of Hickman

- Recreational Trails Program: This project would construct new trail in the City of Hickman in the area of S. 68th Street and Hickman Road including an underpass underneath 68th Street.

Railroad Transportation Safety District (RTSD):

This project is for a Railroad Crossing Grade Separation project at the North 33rd Street and Cornhusker/BNSF railroad crossing to eliminate at-grade vehicular-train conflicts that enhance safety, reduce delays, and improve emergency access. This project is listed as a committed project and is therefore considered to be in conformance with the LRTP.