

**Winston-Salem Urban Area Metropolitan Planning Organization
Transportation Advisory Committee
Action Request**

Meeting Date: September 21, 2017 **Agenda Item Number:** 3

Action Requested: Consideration of the Winston Salem Urban Area Prioritization 5.0 Projects.

SUMMARY OF INFORMATION: **Attachments:** Yes X No

Background

The original Transportation Reform was initiated under Executive Order No. 2 in 2009. It mandates a professional approval process for project selection. In response, NCDOT created the Strategic Prioritization Process. The first version of the Strategic Prioritization Process (Prioritization 1.0) was used to support development of the FY 2012-2018 Transportation Improvement Program (TIP). Significant changes have been made to the process and were driven by House Bill 817 also known as Strategic Transportation Investments (STI). The bill established funding tiers (Statewide, Regional, and Division) and allocations across all modes.

NCDOT's Data Driven Quantitative Scoring of Project Need

Prioritization 5.0 involves three pieces of information: 1) a data driven, quantitatively scored estimate of project need, 2) MPO priority score, and 3) NCDOT Division priority score. The first step of Prioritization 5.0 is the identification of projects for evaluation and scoring by NCDOT's Strategic Planning Office of Transportation (SPOT).

WSMPO Prioritization 5.0 Projects

MPO staff issued a call for projects that lasted from May 31, 2017 to July 5, 2017. A list of projects, existing and new, was then presented to the TAC for review on July 20, 2017. The projects underwent a public review period from August 10, 2017 to September 10, 2017. Staff received zero (0) comments, however modifications were submitted by local governments as reflected in the attached list. Staff recommends the submittal of seventeen (17) Highway projects, twenty-three (23) Bicycle and Pedestrian Projects and seven (7) transit projects.

RESOLUTION
APPROVING THE PRIORITIZATION 5.0 HIGHWAY, BICYCLE & PEDSTRIAN, AND
PUBLIC TRANSIT PROJECTS FOR THE WINSTON-SALEM URBAN AREA MPO

A motion was made by TAC Member _____ and seconded by TAC Member _____ for the adoption of the following resolution, and upon being put to a vote was duly adopted.

WHEREAS, the North Carolina Department of Transportation (NCDOT) created the Strategic Prioritization Process in response to a State mandate to create a professional data-driven approval process for transportation project selection; and

WHEREAS, the Strategic Transportation Investment (STI) legislation gives the MPOs the opportunity to submit projects for funding consideration; and

WHEREAS, the Prioritization process involves three pieces of information: 1) a data driven, quantitatively scored estimate of project need, 2) MPO priority score, and 3) NCDOT Division priority score; and

WHEREAS, the first step of Prioritization process is the identification of projects for evaluation and scoring by NCDOT's Strategic Planning Office of Transportation (SPOT); and

WHEREAS, Winston-Salem Urban Area MPO staff issued a call for projects that lasted from May 31, 2017 to July 5, 2017; and

WHEREAS, A list of projects, existing and new, was then presented to the TAC for review on July 20, 2017; and

WHEREAS, the projects underwent a public review period from August 10, 2017 to September 10, 2017, generating zero (0) comments; and

WHEREAS, staff recommends the submittal of seventeen (17) Highway projects, twenty-three (23) Bicycle and Pedestrian Projects and seven (7) transit projects.

NOW, THEREFORE, BE IT RESOLVED that the Transportation Advisory Committee of the Winston-Salem Urban Area MPO approves the list of Highway, Bicycle and Pedestrian and Public Transit projects to be submitted to the Strategic Prioritization Office for scoring in accordance with the NCDOT Strategic Transportation Investment (STI) process.

Adopted on this the 21st day of September, 2017.

Larry T. Williams, Chairman
Transportation Advisory Committee

Margaret C. Bessette, Secretary
Transportation Advisory Committee

Winston-Salem MPO P5.0 Draft Highway Projects

| | Project Category | Route / Facility Name | From / Cross Street | To / Cross Street | Jurisdiction | Description | Construction Cost | Right-of-Way Cost | Utilities Cost | Total Project Cost | Notes |
|----|--------------------|--|--|---|---------------|---|-------------------|-------------------|----------------|--------------------|---|
| 1 | Regional Impact | NC 65 (Bethania-Rural Hall Road) | SR 1647 (Glade St) | NC 66 in Rural Hall | Rural Hall | Widen to three lanes. | \$2,705,000 | \$853,000 | \$500,000 | \$4,058,000 | Existing Project |
| 2 | Division Needs | I-40 | SR 1442 (Redland Road) | | Division 9 | Convert grade separation at I-40 and Redland Road to modified diamond interchange (3 ramps and 1 loop) | \$10,400,000 | \$3,000,000 | \$500,000 | \$13,900,000 | Existing Project |
| 3 | Division Needs | SR 2045 (East Mountain Street/Old US 421) | Macy Grove Road in Forsyth County | SR 2007(Bunker Hill Road) in Guilford County | Kernersville | Widen to Multi-Lanes. | \$21,156,000 | \$3,200,000 | \$500,000 | \$24,856,000 | New Project |
| 4 | Division Needs | West Mountain Street | Old Greensboro Road | Old Hollow Road | Kernersville | West Mountain Street - Widen to a 3-Lane Road from Old Greensboro Road to Old Hollow Road. | \$19,012,000 | \$7,044,000 | \$845,000 | \$26,901,000 | Existing Project |
| 5 | Regional Impact | NC 801 | US 158 | Redland Road | Davie | NC 801 - Widen to Multi-Lanes. 3 Lanes from US 158 to Redland Road. | \$17,264,000 | \$4,544,000 | \$545,000 | \$22,353,000 | Existing Project |
| 6 | Statewide Mobility | I-74 | NC 65 in Winston-Salem | I-74 in Surry County | Winston-Salem | NC 65 in Winston-Salem to I-74 in Surry County. Upgrade to interstate standards | \$144,200,000 | \$15,200,000 | \$1,900,000 | \$161,300,000 | Existing Project |
| 7 | Statewide Mobility | US 421 | SR 2662 (Linville Road) in Forsyth County | West of SR 1850 (Sandy Ridge Road) in Guilford County | Winston-Salem | West of US 158 in Forsyth County to West of SR 1850 in Guilford County. Pavement and Bridge Rehabilitation. Section B: SR 2662 (Linville Road) in Forsyth County to West of SR 1850 (Sandy Ridge Road) in Guilford County.. | \$27,286,000 | \$900,000 | \$108,000 | \$28,294,000 | Existing Project |
| 8 | Division Needs | SR 4000 (University Parkway) | Cherry Street | SR 1672 (Hanes Mill Road) | Winston-Salem | Add Additional Lanes. | \$57,077,000 | \$4,100,000 | \$500,000 | \$61,677,000 | Existing Project |
| 9 | Division Needs | New Route - Stratford-Ebert Street Connector | Ebert Road | Just west of Stratford | Winston-Salem | Stratford-Ebert Street Connector - New 3-Lane Road from Ebert Road to just West of Stratford Rd | \$27,622,000 | \$13,532,000 | \$1,624,000 | \$42,778,000 | Existing Project |
| 10 | Division Needs | New Route | SR 1103 SR 1100 (Lewisville-Clemmons Road) | SR 1100 (Lasater Road) | Winston-Salem | Peace Haven/Styers Ferry Road conn.-New 2 Lane/Bike and sidewalk | \$15,900,000 | \$1,100,000 | \$500,000 | \$17,500,000 | Existing Project |
| 11 | Division Needs | New Route | SR 1103 SR 1100 Lewisville-Clemmons Road | SR 1891 (Peace Haven Road) | Winston-Salem | Peace Haven/Styers Ferry Rd. Conn.-New 2 Lane with Bike and sidewalk (This section includes a bridge over the Northern Beltway) | \$23,798,000 | \$2,966,000 | \$500,000 | \$27,264,000 | Existing Project |
| 12 | Regional Impact | NC 801 | SR 1650 (Peoples Creek Road) in Advance | US 158 South of I-40 | Bermuda Run | SR 1650 in Advance to US 158 South of I-40. Upgrade Roadway, SR 1650 to SR 1624 and Multi-Lane Roadway, SR 1624 to US 158, with Bike Lanes | \$48,600,000 | \$11,861,000 | \$1,423,000 | \$61,884,000 | Existing Project / Division 9 Recommended Project |
| 13 | Regional Impact | New I-40 Interchange | Exit 174 | Exit 180 | Davie | A new interchange on I-40 within Davie County between current Farmington Road (exit 174) and NC HWY 801 (exit 180) with access from an extension of Baltimore Road. | | | | | New Project |
| 14 | Division Needs | Country Club Road Widening | Peace Haven Road | Western Beltway | Winston-Salem | Multi-Lane facility with BikePed accommodation | | | | | New Project |
| 15 | Division Needs | New Road - Akron Drive Ext | Indiana Avenue | Shorefair Drive | Winston-Salem | New 2 lane facility from the intersection of Akron at Indiana to the intersection of Shorefair and Reynolds Blvd | \$18,903,000 | \$4,824,000 | \$483,000 | \$24,210,000 | New Project |
| 16 | Division Needs | Transou Road - Balsom Road Intersection Improvement | | | Division 9 | Construction of a roundabout | | | | | New Project/ Per the request of Division 9 |
| 17 | Division Needs | Clemmonsville Road - Ebert Road Intersection Improvement | | | Division 9 | Install left turn lane for southbound Ebert | | | | | New Project/ Per the request of Division 9 |

**Winston-Salem MPO P5.0 Highway Projects
(to be removed)**

| | Project Category | Route / Facility Name | From / Cross Street | To / Cross Street | Jurisdiction | Description | Construction Cost | Right-of-Way Cost | Utilities Cost | Total Project Cost | Notes |
|---|-------------------------|------------------------------|-------------------------------|--|------------------------------|--|--------------------------|--------------------------|-----------------------|---------------------------|--|
| 1 | Statewide Mobility | I-40 | US 601 | NC 801 | NCDOT | Add lanes to I-40 | \$101,957,000.00 | \$500,000 | \$500,000 | \$102,957,000 | Existing Project Residing mostly in NWPRPO will not be submitted |
| 2 | Division Needs | SR 1969 (Piney Grove Road) | Nelson Street in Kernersville | SR 2030 (Linville Springs Road) | Kernersville | Piney Grove Road (SR 1969)-3 Lane W/Bike and Sidewalk improvements | \$ 6,838,000.00 | \$2,303,000 | \$500,000 | \$9,641,000 | Existing Project/ Submitted by Div 9 |
| 3 | Regional Impact | NC 65 | NC 8 | US 311 in Walnut Cove | Winston-Salem | Widen to two - 12 Foot Lanes | \$ 10,058,000.00 | \$100,000 | \$100,000 | \$10,258,000 | Existing Project Residing mostly in NWPRPO will not be submitted |
| 4 | Regional Impact | NC 150 | Forsyth County Line | SR 1493 (Frye Bridge/Welcome Arcadia Road) | Davidson | County Line to SR 1493 (Frye Bridge/Welcome Arcadia Road). Widen to Multi-Lanes. Add to Step | \$ 44,337,000.00 | \$10,738,000 | \$1,289,000 | \$56,364,000 | Existing Project / Division 9 Recommended Project/ Carryover Project since sibling project made it in the STIP |
| 5 | Regional Impact | NC 109 | Apac Street | Old Greensboro Road | Winston-Salem and High Point | Widen existing NC 109 from Old Greensboro Road to Apac Street to tie into the existing three lane section in Winston-Salem. 3 lane curb and gutter with sidewalk and bicycle accommodations. High Point Road to north of Moting Road will have curb and gutter sections with sidewalks on both sides and bike lanes. Baden Road to Apac Street will have sidewalks and bike lanes will continue on the existing 3 lane section to I-40 | | | | | New Project / High Point MPO Submittal |

Winston-Salem MPO P5.0 Draft Bicycle and Pedestrian Projects

| | Project Category | Route / Facility Name | From / Cross Street | To / Cross Street | Jurisdiction | Description | Construction Cost | Right of Way Cost | Prelim Eng Design Cost | Total Project Cost | Notes |
|----|------------------|--|-----------------------|--------------------------|---------------|--|-------------------|-------------------|------------------------|--------------------|------------------|
| 1 | Division Needs | Muddy Creek Greenway Phase II | Jefferson School Lane | Yadkinville Road | Winston-Salem | Construct approximately 8,810 linear feet of ten (10') foot wide greenway connecting the existing Muddy Creek Greenway to Yadkinville Road | \$1,050,000 | \$300,000 | \$150,000 | \$1,500,000 | Existing Project |
| 2 | Division Needs | Little Creek Greenway Phase IIA | Atwood Road | Somerset Drive | Winston-Salem | Construct approximately 3,535 linear feet of ten (10') foot wide greenway connecting the end of a proposed and funded greenway to Somerset Drive | \$630,000 | \$180,000 | | \$810,000 | Existing Project |
| 3 | Division Needs | University Parkway Sidewalk | Deacon Boulevard | Mercantile Drive | Winston-Salem | Construct approximately 16,000 linear feet of five (5') foot wide sidewalk to fill in missing segments and provide other pedestrian facilities throughout the corridor, such as pedestrian signals, crosswalks, bridges, and refuge islands | \$490,000 | \$140,000 | \$70,000 | \$700,000 | Existing Project |
| 4 | Division Needs | Lewisville Clemmons Road Eastern Gateway and Sidewalks | Leons Way | Arbor Run Drive | Lewisville | Construct 3,800 FT of new sidewalks on one side that begins at Leons Way at the Lewisville Commons shopping center to Arbor Run Dr on Lewisville Clemmons Road | \$438,276 | | | \$438,276 | New Project |
| 5 | Division Needs | Lewisville Clemmons Road Streetscape Improvements | Shallowford Road | Jack Warren Park | Lewisville | Streetscape improvements along Lewisville Clemons Road between Shallowford Road and the entrance at Jack Warren Park (Approx. 3,500 FT). The project will include repairs to existing sidewalks and curb and gutter, add street trees, street lighting, landscaping, add pedestrian amenities (such as street furniture, benches, trash receptacles), wayfinding signs, and public art | \$252,512 | \$30,000 | | \$282,512 | New Project |
| 6 | Division Needs | Business 40 Multi-use Path | Lockland Avenue | Peters Creek Parkway | Winston-Salem | Construct a 2,000 FT bicycle and pedestrian trail parallel to Business 40 through downtown Winston-Salem | \$2,275,000 | | | \$2,275,000 | New Project |
| 7 | Division Needs | Peters Creek Parkway | Brewer Road | Southpark Boulevard | Winston-Salem | Construct 3,700 linear feet of five (5') foot sidewalk along Peters Creek Parkway | \$1,850,000 | \$462,500 | | \$2,312,500 | New Project |
| 8 | Division Needs | Peters Creek Parkway | Southpark Boulevard | Sides Road | Winston-Salem | Construct 4,600 linear feet of five (5') foot sidewalk along Peters Creek Parkway | \$2,300,000 | \$575,000 | | \$2,875,000 | New Project |
| 9 | Division Needs | University Parkway Sidewalk Phase I | Shattalon Drive | Bethabara Park Boulevard | Winston-Salem | Construct approximately 4,200 linear feet of five (5') foot wide sidewalk to fill in missing segments left from development or other city sidewalk projects and provide other pedestrian facilities throughout the corridor, such as pedestrian signals, crosswalks, bridges, and refuge islands | | | | | New Project |
| 10 | Division Needs | Silas Creek Parkway (existing Curb and Gutter) | Drumcliffe Road | Hawthorne Road | Winston-Salem | Construct 4,700 linear feet of five (5') foot sidewalk along Silas Creek Parkway | \$470,000 | \$117,500 | | \$587,500 | New Project |
| 11 | Division Needs | E Sprague Street | Cline Street | Cole Road | Winston-Salem | Construct 3,060 linear feet of five (5') foot sidewalk along Sprague Street | \$1,530,000 | \$382,500 | | \$1,912,500 | New Project |
| 12 | Division Needs | Ogburn Avenue Part III | Kapp Street | Glenn Avenue | Winston-Salem | constructing 5,200 linear feet of five (5') foot sidewalk connecting the community | \$2,600,000 | \$650,000 | | \$3,250,000 | New Project |
| 13 | Division Needs | University Parkway Sidewalk Phase II | Bethabara Road | Wake Forest Road | Winston-Salem | Construct approximately 3,700 linear feet of five (5') foot wide sidewalk to fill in missing segments left from development or other city sidewalk projects and provide other pedestrian facilities throughout the corridor, such as pedestrian signals, crosswalks, bridges, and refuge islands | | | | | New Project |
| 14 | Division Needs | University Parkway Sidewalk Phase III | Robin Wood Drive | Mercantile Drive | Winston-Salem | Construct approximately 1,300 linear feet of five (5') foot wide sidewalk to fill in missing segments left from development or other city sidewalk projects and provide other pedestrian facilities throughout the corridor, such as pedestrian signals, crosswalks, bridges, and refuge islands | | | | | New Project |
| 15 | Division Needs | Thomasville Road | Charles Street | Baden Road | Winston-Salem | Construct 2900 linear feet of five (5') foot sidewalk along Thomasville Road | \$1,450,000 | \$362,500 | | \$1,812,500 | New Project |
| 16 | Division Needs | Williamson Street | Timlic Avenue | MLK Jr Dr | Winston-Salem | 2,100 linear feet of five (5') foot sidewalk connecting to existing in MLK Jr Drive | \$1,050,000 | \$262,500 | | \$1,312,500 | New Project |
| 17 | Division Needs | Motor Road Part I | Old Rural Hall Road | Ogburn Avenue | Winston-Salem | Construct 2,500 linear feet of five (5') foot sidewalk along Motor Road | \$1,250,000 | \$312,500 | | \$1,562,500 | New Project |

Winston-Salem MPO P5.0 Draft Bicycle and Pedestrian Projects

| | Project Category | Route / Facility Name | From / Cross Street | To / Cross Street | Jurisdiction | Description | Construction Cost | Right of Way Cost | Prelim Eng Design Cost | Total Project Cost | Notes |
|----|------------------|-----------------------|---------------------|-------------------|---------------|---|-------------------|-------------------|------------------------|--------------------|-------------|
| 18 | Division Needs | Southwin Drive | Country Club | Jonestown Road | Winston-Salem | Construct a 3,900 linear feet Sidewalk connecting to existing sidewalk on Country club and to future sideway on Jonestown | \$1,950,000 | \$487,500 | | \$2,437,500 | New Project |
| 19 | Division Needs | Motor Road Part II | Ogburn Avenue | Patterson Avenue | Winston-Salem | Construct 4,500 linear feet of five (5') foot sidewalk along Motor Road | \$2,250,000 | \$562,500 | | \$2,812,500 | New Project |
| 20 | Division Needs | Ogburn Ave Part II | Motor Road | Kapp Street | Winston-Salem | Construct 2,600 linear feet of five (5') foot sidewalk connecting the community | \$1,300,000 | \$325,000 | | \$1,625,000 | New Project |
| 21 | Division Needs | Thomasville Road | Baden Road | Teague Road | Winston-Salem | Construct 4100 linear feet of five (5') foot sidewalk along Thomasville Road | \$2,050,000 | \$512,500 | | \$2,562,500 | New Project |
| 22 | Division Needs | Motor Road Part III | Patterson Avenue | Indiana Avenue | Winston-Salem | Construct 4,500 linear feet of five (5') foot sidewalk along Motor Road | \$2,250,000 | \$562,500 | | \$2,812,500 | New Project |
| 23 | Division Needs | Ogburn Avenue Part I | Oak Summit Road | Motor Road | Winston-Salem | Construct 2,100 linear feet of five (5') foot sidewalk along Ogburn Avenue | \$1,050,000 | \$262,500 | | \$1,312,500 | New Project |

**Winston-Salem MPO P5.0 Bicycle and Pedestrian Projects
(to be removed)**

| | Project Category | Route / Facility Name | From / Cross Street | To / Cross Street | Jurisdiction | Description | Construction Cost | ROW Cost | Prelim Eng Design Cost | Total Project Cost | Notes |
|---|-------------------------|--|----------------------------|--------------------------|---------------------|--|--------------------------|-----------------|-------------------------------|---------------------------|-------------------------------------|
| 1 | Division Needs | Reedy Fork Greenway | East Mountain Street | NC 66 | Kernersville | Construct 8,400 linear feet of ten (10') foot wide Multiuse Off Road Path (Greenway) connecting downtown Kernersville with Triad Park | \$706,325 | \$201,807 | \$100,903 | \$1,009,035 | Existing Project/Removed |
| 2 | Division Needs | Kerners Mill Creek Greenway Phase II | Kilburn Way Lane | 2649 (Hopkins Road) | Kernersville | Construct 8,200 linear feet of ten (10') foot wide Multiuse Off Road Path (Greenway) extending the already funded 1st phase of Kerners Mill Creek Greenway from the Kilburn neighborhood west to Hopkins Road and associated neighborhoods | \$875,000 | \$250,000 | \$125,000 | \$1,250,000 | Existing Project/Removed |
| 3 | Division Needs | Bodenhamer Street Sidewalk (NC66) | Dobson Street | West Mountain Street | Kernersville | Construct 2300 linear feet of five (5') foot Sidewalk along one side of the road within existing right-of-way connecting Wynnfield Court to Fourth of July Park and Kernersville Elementary School beyond it via an existing sidewalk network | \$87,500 | \$25,000 | \$12,500 | \$125,000 | Existing Project/Removed |
| 4 | Division Needs | Oakhurst Sidewalk Extension | Baxter Street | West Mountain Street | Kernersville | Construct 1,500 linear feet of five (5') foot Sidewalk along one side of the road extending the existing sidewalk between the funded Kerners Mill Creek Greenway Phase I and Downtown Kernersville to reach Kernersville Elementary School and Fourth of July Park on West Mountain Street and the residential area in between | \$105,000 | \$30,000 | \$15,000 | \$150,000 | Existing Project/Removed |
| 5 | Division Needs | Old Winston Road Sidewalk | Hopkins Road | 2648 (Old Winston Road) | Kernersville | Construct approximately 600 linear feet of five (5') foot Sidewalk along one side of the road connecting Hopkins Road sidewalk in front of Kerner Ridge Assisted Living and Robinwood Senior Living to the existing sidewalk on Old Winston Road | \$87,500 | \$25,000 | \$12,500 | \$125,000 | Existing Project/Submitted by DIV 9 |
| 6 | Division Needs | South Martin Street and Bellaire Circle Sidewalk | Old Hollow Road | Darrow Road | Walkertown | Construct 4,398 linear feet of five (5') foot sidewalk on the east side of South Martin Street from Old Hollow Road to Darrow Road and on the south side of Bellaire Circle from Old Hollow Road to Martin Street | \$472,500 | \$135,000 | \$67,500 | \$675,000 | Existing Project/Submitted by DIV 9 |
| 7 | Division Needs | North Martin Street / Annie Lane / Avalee Streets Sidewalk | Martin St | Avalee Street | Walkertown | Construct 5,157 linear feet of five (5') foot sidewalk on the east side of Martin Street, the south side of Annie Lane, and the east side of Avalee Street | \$560,000 | \$160,000 | \$80,000 | \$800,000 | Existing Project/Submitted by DIV 9 |

Winston-Salem MPO P5.0 Draft Public Transit Projects

| | Mode | Project Category | Project Name | Jurisdiction | Description | Total Project Cost | Notes |
|---|---------|------------------|---|---------------|--|--------------------|-------------|
| 1 | Transit | Regional Impact | Corridor Vehicles FY2020-FY2023 | PART | Vehicle funding for use with expanded services for Winston-Salem Express (Route 1) | \$1,304,000 | New Project |
| 2 | Transit | Regional Impact | Corridor Vehicles FY2020-FY2023 | PART | Vehicle funding for use with expanded services for the Kernersville/VA-Winston-Salem shuttle (Route 17) | \$450,000 | New Project |
| 3 | Transit | Regional Impact | Corridor Vehicles FY2020-FY2023 | PART | Vanpool Fleet Expansion | \$100,000 | New Project |
| 4 | Transit | Division Needs | Transit Center Improvements | Winston-Salem | Camera and Security System Upgrade | \$160,000 | New Project |
| 5 | Transit | Division Needs | WSTA Headquarter and Garage Improvements | Winston-Salem | Gas Packs, Carpet & Tile Replacement, Data Room Mini Split Units, and Interior Painting and HVAC Replacement | \$95,000 | New Project |
| 6 | Transit | Division Needs | Bus Shelter Improvements | Winston-Salem | Bus Shelter Solar Panels | \$127,500 | New Project |
| 7 | Transit | Division Needs | WSTA Headquarters and Transit Center Improvements | Winston-Salem | Computer and Printers- Headquarters; PC w/ Software and Network Securities; Laptop w/Software and Network Securities | \$212,500 | New Project |