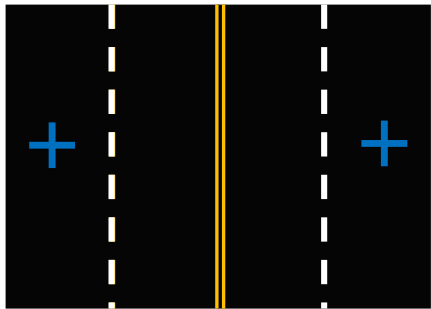


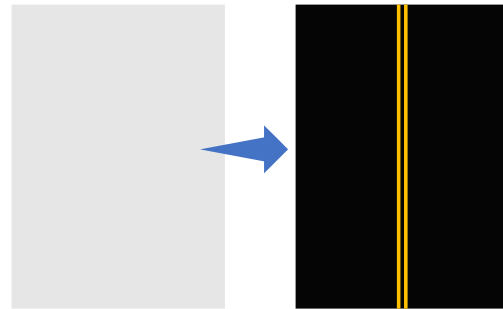
Inputs for Draft Roadway Project Recommendations

- Consider planned projects (i.e. STIP, previous plans, SPOT projects, anticipated growth and development areas)
- Address roadway issues: safety, access, mobility, congestion
- Recommend project types that address noted problems and promote the MTP's goals (see below)
- Finally, prioritize projects according to anticipated available funding (fiscally constrained)

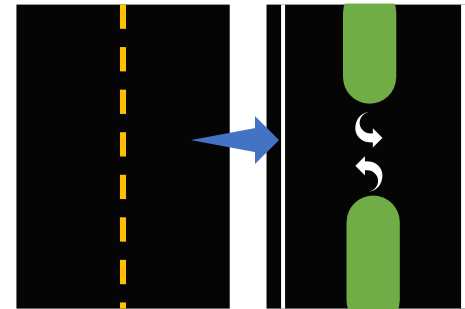
Widening and Widening to Multilanes: Addition of travel lanes with potential for median



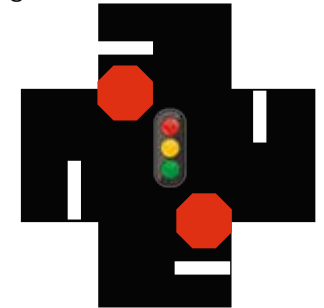
New Location: New roadway that provides more direct route and additional system capacity



Modernization: The inclusion of improvements like a raised median, turn lanes, intersection improvements, and shoulders



Intersection/Interchange Improvements: Potential improvements like additional turn lanes, ramp lanes, and signal upgrades

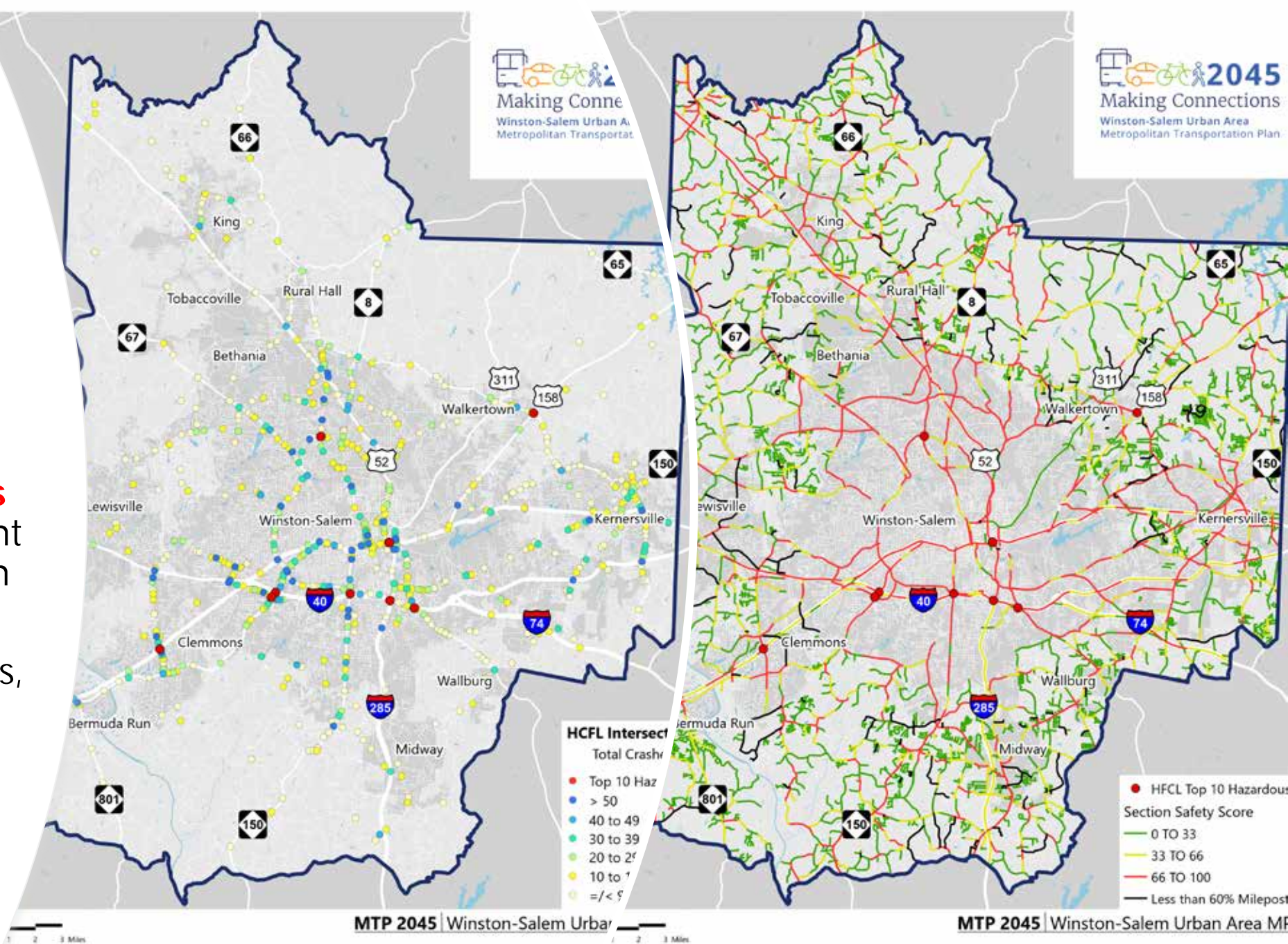


*All roadway projects will be considered for multimodal improvements like bicycle and pedestrian facilities

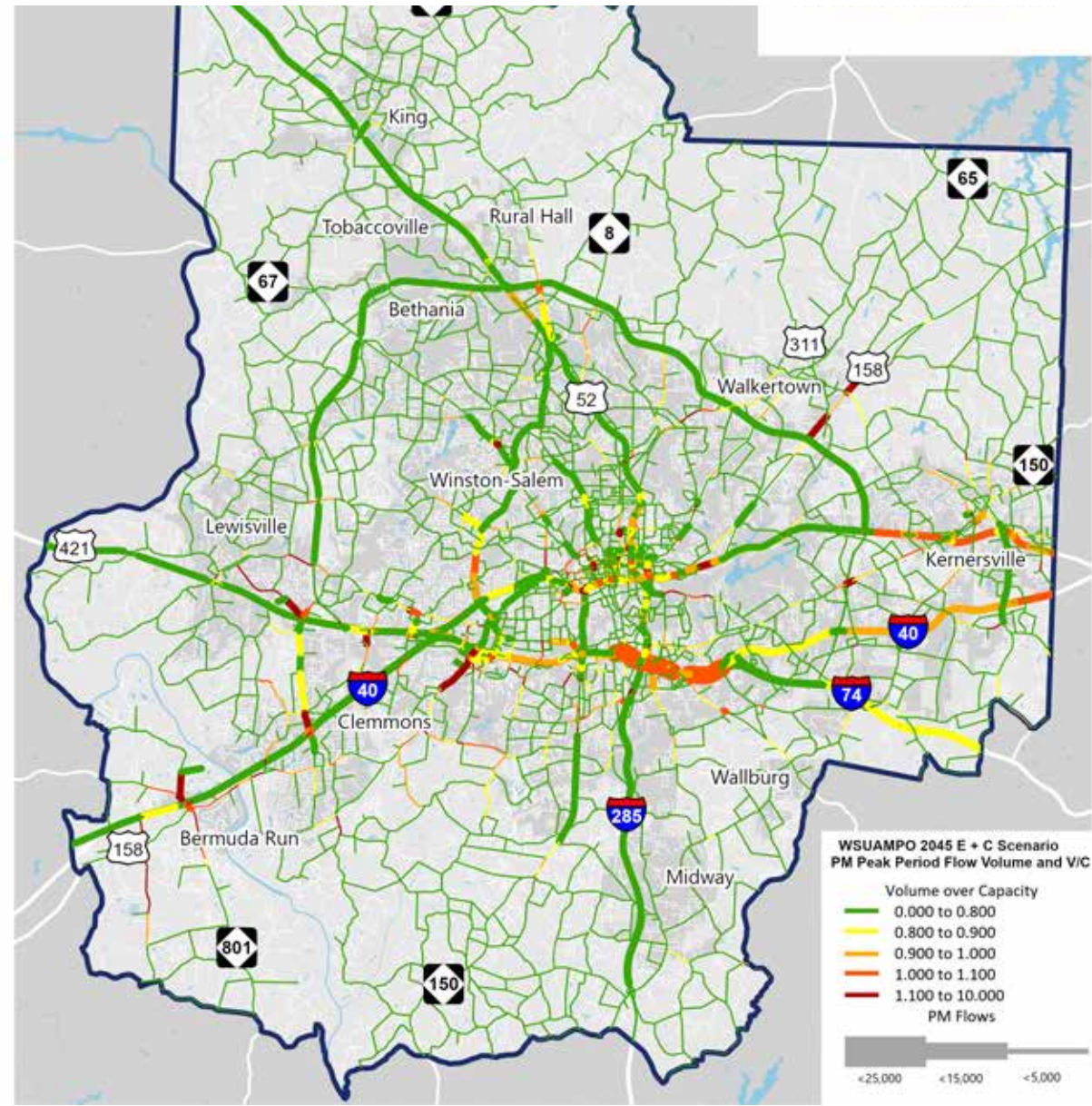


Safety Issues Along Roadways & Intersections

- Safety was a key input for initial draft project recommendations
- **Red lines** and **red dots** on the maps to the right indicate areas with high crash levels
- Roadway improvements, such as modernization, can improve vehicular safety



Congestion - Existing+Committed Projects with 2045 Population

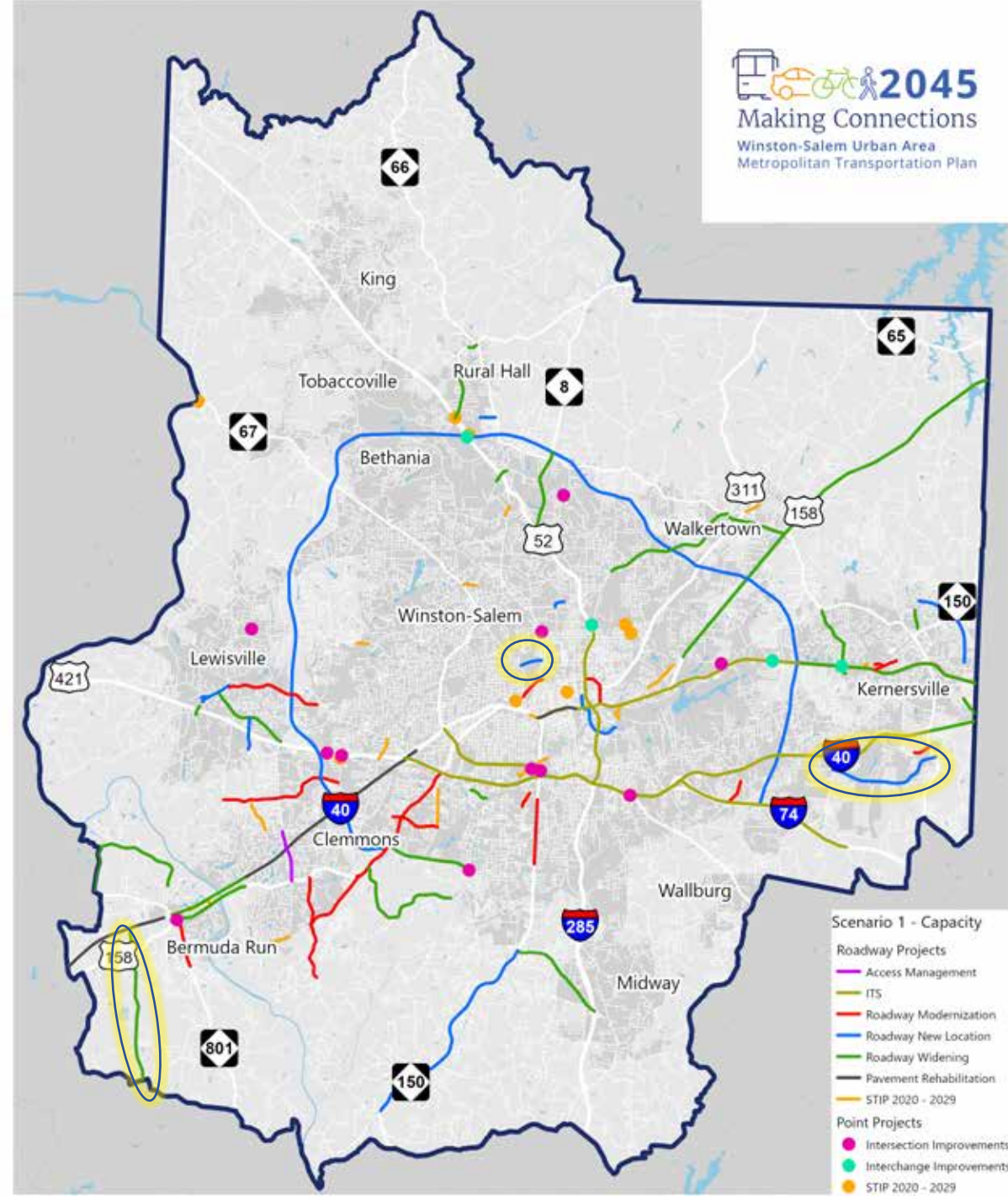


- Regional Travel Demand Model estimate of congestion with funded projects and 2045 forecast of population and employment
- **Red areas** indicate highest levels of anticipated vehicle congestion
- Locations along major roadways and near urban areas
 - Interstates: I-40, I-74
 - US Routes 158 & 421
 - Kernersville
 - Clemmons
 - Bermuda Run
- Anticipated congested areas can illustrate areas where improvements like additional capacity may be needed

Scenario 1 – Capacity Improvements

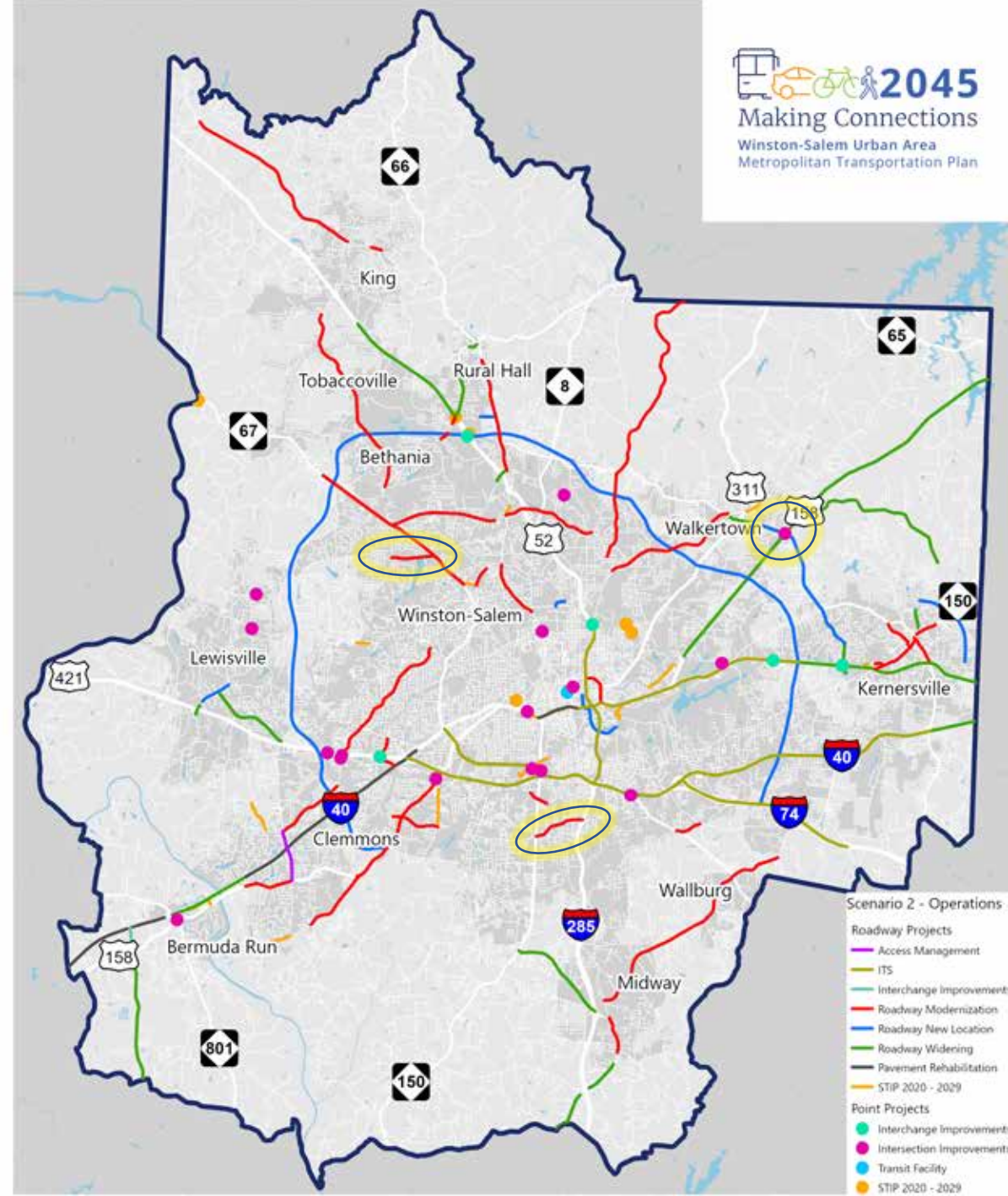
- Focus on increasing capacity to reduce congestion
- Most frequent project types
 1. Widenings (28)
 2. New location roadways (25)
 3. Modernization (24)
- Located primarily near urban core (highest amount of traffic)
- Example draft projects:
 - Reynolda Connector (WS-Rdwy-295)
 - Baltimore Road (WS-Rdwy-309)
 - Glenn Hi Extension (WS-Rdwy-030)
- Full draft project list on following pages

Project map at: bit.ly/WS2045MTP



Scenario 2 – Operations Improvements

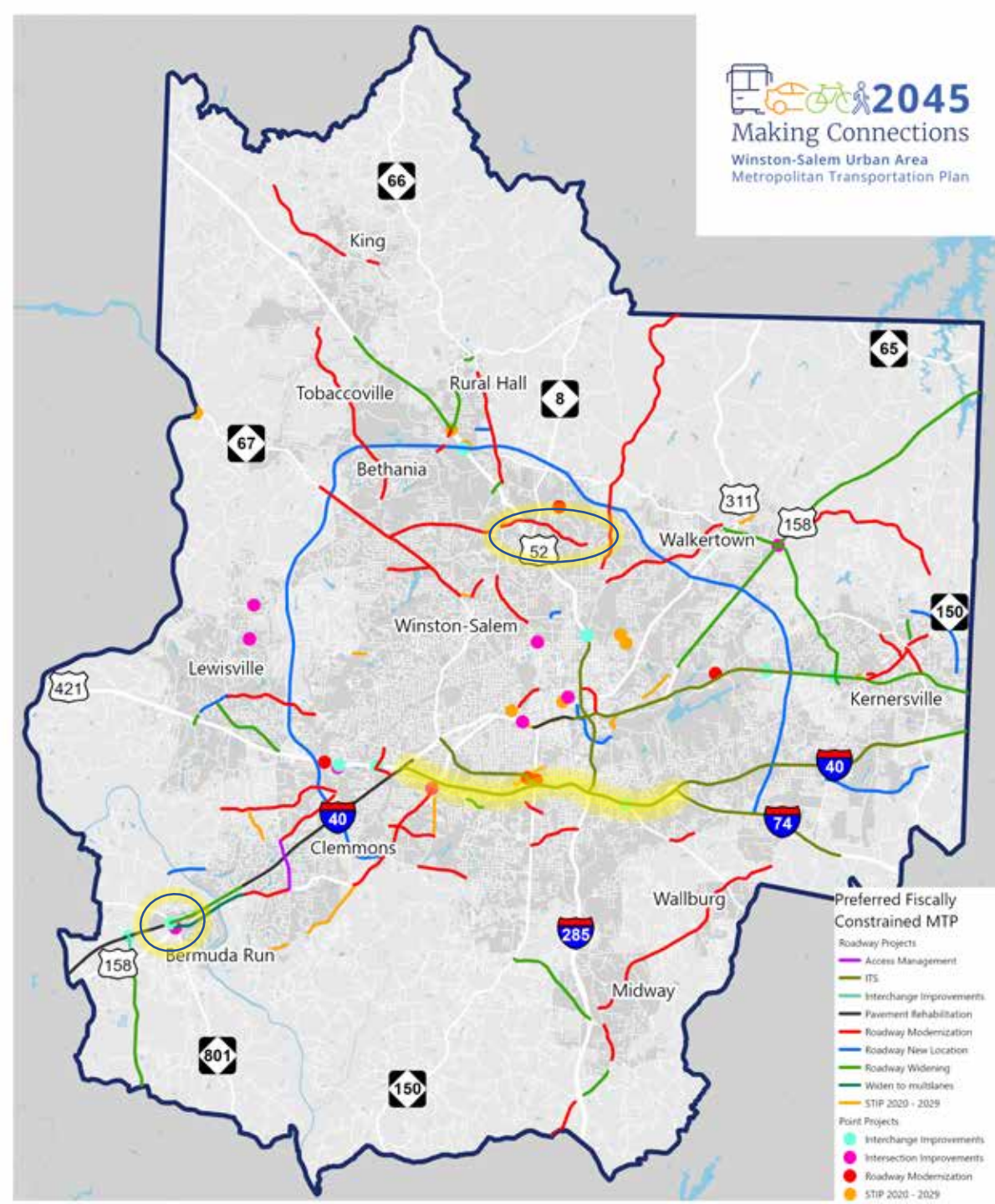
- Focus on safety and operations through modernization and intersection improvements
- Most frequent project types
 1. Modernization (42)
 2. Widenings (24)
 3. New location (21)
 4. Intersection/Interchange improvements (13)
- Projects more distributed throughout MPO area, examples include:
 - W Clemmons Rd (WS-Rdwy-410)
 - NC 66 / US 158 Intersection (WS-Rdwy-420)
 - Yadkinville Rd (WS-Rdwy-294)
- Full draft project list on following pages



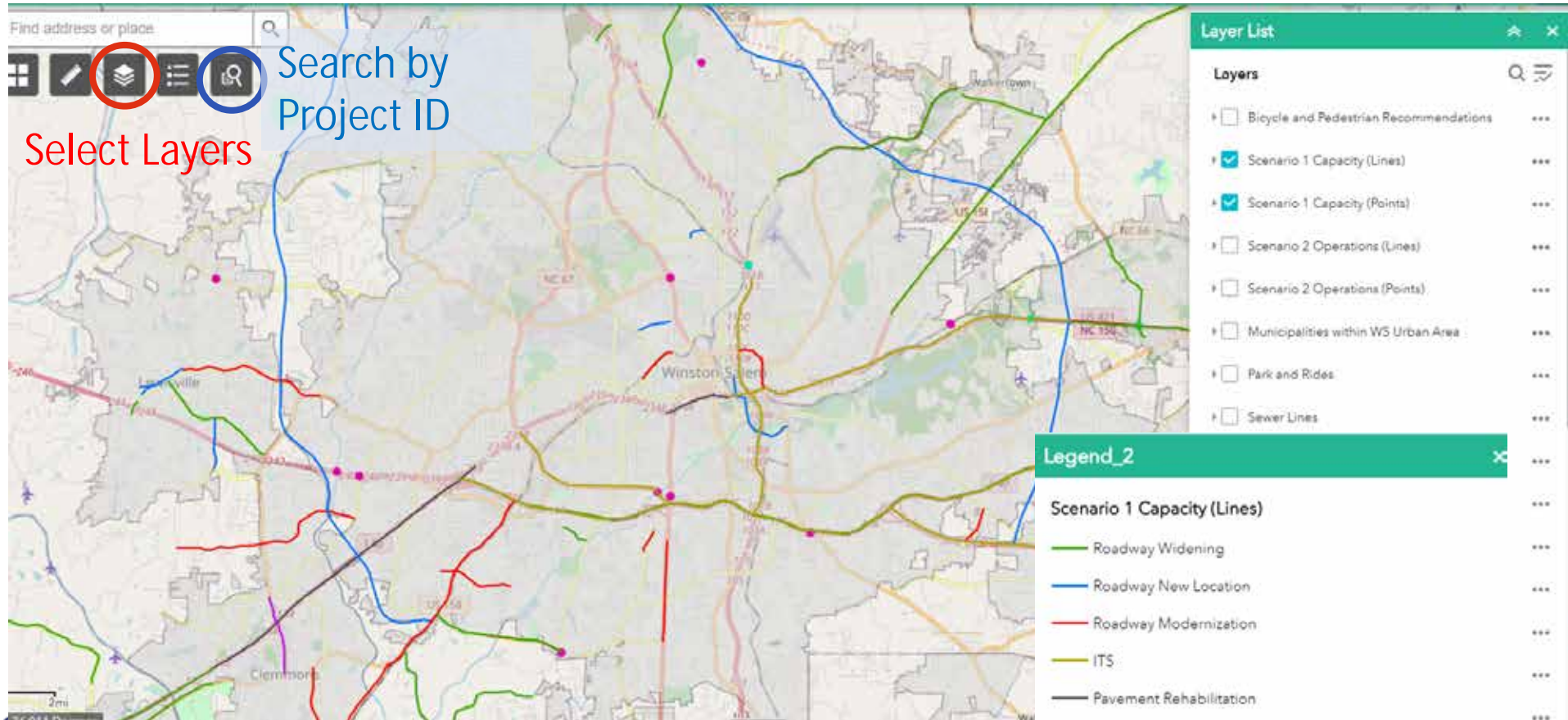
Preferred Fiscally Constrained Scenario

- Continued focus on safety and operations through modernization and intersection improvements, followed by targeted widenings and new connections
- 120 Projects Most frequent project types
 1. Modernization (42)
 2. Widenings (26)
 3. New location (23)
 4. Intersection/Interchange improvements (17)
- Projects more distributed throughout MPO area, examples include:
 - Oak Summit Road (WS-Rdwy-160)
 - I-40 Widening (WS-Rdwy-107)
 - I-40/NC 801 Interchange (WS-Rdwy-427)
- Full draft project list on following pages

Project map at: bit.ly/WS2045MTP



Online Interactive Map - Review Potential Roadway Projects



- Online interactive map at bit.ly/WS2045MTP
- Select **Preferred Scenario** Lines and Points. You can search by project ID ("Rdwy-107")
- Let us know which projects need to be added or possibly re-considered!

Next Steps



Your Role (Public)

- Take time today or in the upcoming weeks to explore the project tables and interactive map (bit.ly/WS2045MTP)
- Take the survey! Share comments and feedback with the Project Team

Our Role (Project Team)

- Address and integrate public comments
- Modify project details as needed
- Submit final MTP report



2025 Horizon Year Projects							
MTP 2045 ID	STIP ID (If Applicable)	Project Type	Municipality	Facility	To	From	Estimated Cost (Millions USD)
WS-Rdwy-015	U-6154	Intersection Improvements	Lewisville	SR 1308 (LEWISVILLE-VIENNA ROAD)	--	--	1.27
WS-Rdwy-021	U-5760	Interchange Improvements	Kernersville	Salem Pkwy	--	--	21.53
WS-Rdwy-089	U-4734	New Location	Kernersville	NEW ROUTE	N Main St	Macy Grove Rd	17.30
WS-Rdwy-090	U-5536	New Location	Lewisville	NEW ROUTE	Lewisville-Vienna Rd	Shallowford Rd	10.08
WS-Rdwy-092	U-5617	Roadway Widening	Lewisville	SR 1173 (WILLIAMS ROAD)	700 ft south of Heritage Dr	300 ft north of Senoa Dr	3.53
WS-Rdwy-093	U-5760	Roadway Widening	Kernersville	KERNERSVILLE SOUTHERN LOOP (PHASE I)	W Mountain St	Harmon Creek Rd	25.84
WS-Rdwy-097	U-6003	New Location	Kernersville	NEW ROUTE	N Main St	Piney Grove Rd	10.77
WS-Rdwy-106	W-5510	Roadway Modernization	Kernersville	S Main St/Old Winston Rd	Pineview Dr	Salem Pkwy	6.04
WS-Rdwy-016	U-6155	Roadway Modernization	Winston-Salem	SR 1725 (UNIVERSITY PARKWAY)	--	--	4.50
WS-Rdwy-018	I-5880	Access Management	Winston-Salem	I-40 / US 311	--	--	4.50
WS-Rdwy-026	R-2247CD	Interchange Improvements	Winston-Salem	Salem Pkwy	--	--	21.50
WS-Rdwy-061	I-0911A	Roadway Widening	Clemmons	I-40	Harper Rd	NC Hwy 810	29.37
WS-Rdwy-062	I-5766	Pavement Rehabilitation	Winston-Salem	I-40	Thomasville Rd	Silas Creek Pkwy Ramp to I-40	12.14
WS-Rdwy-063	I-5795	Pavement Rehabilitation	Winston-Salem	I-40	1650 ft west of Macy Grove Rd	East Ramp from Hanes Mall Blvd	88.66
WS-Rdwy-064	I-5952	Pavement Rehabilitation	Bermuda Run	I-40	I-40 BR W Ramp	Harper Rd	38.68
WS-Rdwy-068	I-6003	Pavement Rehabilitation	Mocksville	I-40	NC Hwy 801 S	Pinebrook School Rd	30.89
WS-Rdwy-076	R-2577A	Widen to Multilanes	Walkertown	US 158	Belews Creek Rd	Old Greensboro Rd	65.66
WS-Rdwy-078	U-2579AA	New Location	Winston-Salem	FUTURE I-74	Glenn Hi Rd	I-74	12.76
WS-Rdwy-079	U-2579AB	New Location	Winston-Salem	FUTURE I-74	U.S. 421	Glenn Hi Rd	47.95
WS-Rdwy-080	U-2579B	New Location	Winston-Salem	FUTURE I-74	Reidsville Rd	U.S. 421	42.82
WS-Rdwy-081	U-2579C	New Location	Walkertown	FUTURE I-74	New Walkertown Rd NE	Reidsville Rd	20.67
WS-Rdwy-086	U-2729	Roadway Widening	Winston-Salem	SR 1672 (HANES MILL ROAD)	University Pkwy	150 ft north of Museum Dr	5.29
WS-Rdwy-087	U-2827B	Pavement Rehabilitation	Winston-Salem	US 158 / US 421 / NC 150 / BUSINESS 40	Water St	Taylor St	7.79
WS-Rdwy-088	U-2925	New Location	Winston-Salem	NEW ROUTE	E 3rd St	S Martin Luther King Jr Dr	20.74
WS-Rdwy-091	U-5539A	Roadway Modernization	Winston-Salem	N Martin Luther King Jr Dr	U.S. 311/John M Gold Fwy	I-40/U.S. 421	6.56
WS-Rdwy-094	U-5786	Roadway Widening	Winston-Salem	SR 1508 (HICKORY TREE ROAD)	Peters Creek Pkwy	I-285	36.68
WS-Rdwy-095	U-5824	Roadway Widening	Walkertown	NC 66 (OLD HOLLOW ROAD)	Reidsville Rd	Harley Dr	20.29
WS-Rdwy-096	U-5899	New Location	Rural-Hall	NEW ROUTE	University Pkwy	Forum Pkwy	5.04
WS-Rdwy-098	U-6004	Access Management	Clemmons	SR 1103 (LEWISVILLE-CLEMMONS ROAD)	Peace Haven Rd	Clemmons Rd	9.22
WS-Rdwy-099	U-6005	Roadway Widening	Rural-Hall	NC 65 (BETHANIA-RURAL HALL ROAD)	Northridge Park Dr	John M Gold Fwy	14.75
WS-Rdwy-101	U-6187	New Location	Winston-Salem	NEW ROUTE	I-40	U.S. Hwy 158	8.14
WS-Rdwy-105	U-6231	New Location	Winston-Salem	NEW ROUTE	Indiana Ave	Reynolds Blvd	3.90

2045 Horizon Year Projects

MTP 2045 ID	STIP ID (If Applicable)	Project Type	Municipality	Facility	To	From	Estimated Cost (Millions USD)
WS-Rdwy-100	U-6068	Roadway Widening	Kernersville	US 421 (SALEM PARKWAY)	I-40	Winston-Salem Northern Bltwy	84.32
WS-Rdwy-102	U-6188	Roadway Widening	Kernersville	SR 1969 (PINEY GROVE ROAD)	Brown Rd	Nelson St	6.55
WS-Rdwy-103	U-6189	Roadway Widening	Lewisville	SR 1156 (LEWISVILLE-CLEMMONS ROAD)	Shallowford Rd	Styers Ferry Rd	29.11
WS-Rdwy-005	N/A	Interchange	Winston-Salem	US 421	--	--	21.53
WS-Rdwy-022	U-2579G	Interchange Improvements	Winston-Salem	Salem Pkwy	--	--	21.53
WS-Rdwy-023	U-2826A	Interchange Improvements	Winston-Salem	John M Gold Fwy	--	--	21.53
WS-Rdwy-024	N/A	Interchange Improvements	Winston-Salem	John M Gold Fwy	--	--	21.53
WS-Rdwy-025	R-2247CA	Interchange Improvements	Winston-Salem	Salem Pkwy	--	--	55.20
WS-Rdwy-030	N/A	New Location	Kernersville	Future Glenn Hi Road Extension	NC 66	Union Cross Rd <Null>	37.59
WS-Rdwy-035	N/A	Roadway Widening	Rural-Hall	I-74, US 52	Moore / RJR Drive Exit 122	NC 65 (WNB) Ext 118	48.65
WS-Rdwy-065	I-5981A	Roadway Widening	Winston-Salem	I-40	Union Cross Rd	I-74 Ramp to I-40 W	73.73
WS-Rdwy-066	I-5981B	Roadway Widening	Kernersville	I-40	NC Hwy 66 S	Union Cross Rd	45.88
WS-Rdwy-067	I-5981C	Roadway Widening	Kernersville	I-40	I-40 BR W	NC Hwy 66 S	46.37
WS-Rdwy-069	R-2247A	New Location	Winston-Salem	NEW ROUTE (FUTURE NC 452)	S Stratford Rd	550 ft south of I-40	28.59
WS-Rdwy-070	R-2247B	New Location	Winston-Salem	NEW ROUTE (FUTURE NC 452)	2000 ft south of 421	550 ft South of I-40	20.97
WS-Rdwy-077	R-2577B	Widen to Multilanes	Forsyth County	US 158	Anthony Rd	Belews Creek Rd	94.90
WS-Rdwy-104	U-6190	Roadway Widening	Rural-Hall	NC 65 (BETHANIA-RURAL HALL ROAD)	Broad St	Jackson St	3.15
WS-Rdwy-107	N/A	Roadway Widening	Winston-Salem	I-40	I-40/Intersection with 74	I-40/Salem Pkwy	134.19
WS-Rdwy-137	N/A	Widen to Multilanes	Kernersville	NC 66 (Old Hollow Road)	W Mountain St	Darrow Rd	39.70
WS-Rdwy-180	N/A	Widen to Multilanes	Kernersville	Hopkins Road (SR 2649)	Bluff School Rd	W Mountain St	14.49
WS-Rdwy-303	N/A	Roadway Widening	Midway	Old US Highway 52 (SR 2932)	Ralph Miller Rd	I-285 Northbound Ramp	12.23
WS-Rdwy-309	N/A	Roadway Widening	Davie County	Baltimore Road (SR 1630)	US 158	Cornatzer Rd	45.25
WS-Rdwy-368	N/A	Roadway Widening	Forsyth County	Vance Road (SR 2014)	Piney Grove Rd	Reidsville Rd	62.76
WS-Rdwy-392	N/A	Roadway Widening	Davie County	Old US Highway 52 (SR 3010)	Craver Rd	Welcome Center Blvd	15.50
WS-Rdwy-414	N/A	Widen to Multilanes	Winston-Salem	London Lane	Ebert Rd	Burke Mill Rd	6.55
WS-Rdwy-423	N/A	Interchange Improvements	Davie County	I-40 on Ramp	I-40	WS-Rdwy-101	21.53
WS-Rdwy-427	N/A	Interchange Improvements	Bermuda Run	I-40	--	--	21.53
WS-Rdwy-057	N/A	Roadway Modernization (adding turn lane) and extension	Clemmons	Peace Haven/Styers Ferry Rd	Lasater Rd	S Peace Haven Rd	22.91
WS-Rdwy-411	N/A	Widen to Multilanes	Bermuda Run	US-158	Harper Rd	NC 801	46.26
WS-Rdwy-429	N/A	New Location with Bridge Connector	Clemmons	Yadkin Valley Connector	Yadkin Valley Road	Lasater Road	30.92

2035 Horizon Year Projects

MTP 2045 ID	STIP ID (If Applicable)	Project Type	Municipality	Facility	To	From	Estimated Cost (Millions USD)
WS-ITS-Rdwy-402	N/A	ITS	Winston-Salem	Silas Creek Pkwy	Peters Creek Pkwy	Salem Pkwy	0.12
WS-ITS-Rdwy-403	N/A	ITS	Winston-Salem	Business 40	2000' west of John Gold Fwy	Winston Salem Northern Beltway	0.58
WS-ITS-Rdwy-404	N/A	ITS	Winston-Salem	US 52	E 28th St	I-40	0.30
WS-ITS-Rdwy-406	N/A	ITS	Winston-Salem	I-40	US 421	NC 66	0.38
WS-ITS-Rdwy-407	N/A	ITS	Winston-Salem	I-74	High Point Rd	I-40	3.10
WS-Rdwy-003	N/A	Intersection Improvements	Lewisville	Yadkinville Road	--	--	4.50
WS-Rdwy-004	N/A	Intersection Improvements	Bermuda Run	US 158	--	--	4.50
WS-Rdwy-009	B-5950	Roadway Modernization	Winston-Salem	NC 67 (WESTBOUND) (SILAS CREEK PARKWAY)	--	--	8.26
WS-Rdwy-010	B-5770	Roadway Modernization	Winston-Salem	SALISBURY RIDGE ROAD	--	--	4.50
WS-Rdwy-013	U-6059A	Roadway Modernization	Winston-Salem	SR 2377 (OLD GREENSBORO ROAD NE)	--	--	2.86
WS-Rdwy-017	B-5006	Roadway Modernization	Winston-Salem	NOVACK STREET	--	--	4.50
WS-Rdwy-019	N/A	Intersection Improvements	Winston-Salem	S Peace Haven Rd	--	--	21.53
WS-Rdwy-028	N/A	Roadway Modernization	Kernersville	North Main St	Gralin Rd	E Boderhamer ST	3.89
WS-Rdwy-031	N/A	Roadway Modernization	Kernersville	W Mountain St	Cherry St	W Bodenhamer	5.58
WS-Rdwy-037	N/A	Roadway Modernization	Winston-Salem	New Route - Stratford-Ebert Connector Section 1	Griffith Road	Somerset Drive	8.76
WS-Rdwy-040	N/A	Roadway Modernization	Winston-Salem	Brewer Road	Buchanan Street	Old Salisbury Road	3.63
WS-Rdwy-043	N/A	Roadway Modernization	Winston-Salem	Silas Creek Parkway	Bethabara Road	Fairlawn Drive	3.63
WS-Rdwy-048	N/A	Roadway Modernization	Kernersville	E Bodenhamer St	E Mountain St	N Cherry St	3.96
WS-Rdwy-050	N/A	Roadway Modernization	Kernersville	S Main St	E Bodenhamer St	S Cherry St	7.01
WS-Rdwy-051	N/A	Roadway Modernization	Kernersville	NC 66	I-40 Bus	E Mountain St	1.56
WS-Rdwy-059	N/A	Roadway Modernization	Clemmons	Clemmons Rd	Harper Rd	Middlebrook Dr	8.76
WS-Rdwy-071	R-2247CA	New Location	Winston-Salem	NEW ROUTE (FUTURE NC 452)	550 ft west of Ridings Rd	2000 ft south of 421	14.66
WS-Rdwy-072	R-2247CB	New Location	Winston-Salem	NEW ROUTE (FUTURE NC 452)	Birchdale Dr	550 ft west of Ridings Rd	47.51
WS-Rdwy-073	R-2247D	New Location	Winston-Salem	NEW ROUTE (FUTURE NC 452)	1300 ft north of Reynolda Rd	Birchdale Dr	67.45
WS-Rdwy-074	R-2247EA	New Location	Tobaccoville	NEW ROUTE (FUTURE NC 452)	John M Gold Fwy	1300 ft north of Reynolda Rd	66.42
WS-Rdwy-075	R-2247EB	New Location	Winston-Salem	NEW ROUTE (FUTURE NC 452)	2000 ft east of John M Gold Fwy	900 ft east of Bethania-Rural Hall Rd	12.61
WS-Rdwy-082	U-2579D	New Location	Winston-Salem	FUTURE I-74	Baux Mountain Rd	New Walkertown Rd	47.07
WS-Rdwy-083	U-2579E	New Location	Winston-Salem	FUTURE I-74	Germanton Rd	Baux Mountain Rd	32.40
WS-Rdwy-084	U-2579F	New Location	Winston-Salem	FUTURE I-74	John W Gold Fwy	Germanton Rd	35.78
WS-Rdwy-110	N/A	Roadway Modernization	Winston-Salem	University Parkway (SR 4000)	Cherry St Intersection	North Point Blvd	10.84
WS-Rdwy-123	N/A	Roadway Modernization	Stokes County	N Old US 52 Road (SR 1236)	Main St	Chestnut Grove Rd	19.34
WS-Rdwy-124	N/A	Roadway Modernization	Forsyth County	Baux Mountain Road (SR 2211)	Old Rural Hall Rd	Dennis Rd	55.10
WS-Rdwy-140	N/A	Roadway Modernization	Walkertown	Old Walkertown Road (SR 2456)	Old Hollow Rd	Old Rural Hall Rd	25.44
WS-Rdwy-144	N/A	Roadway Modernization	Forsyth County	Gumtree Road (SR 2692)	Wallburg Rd	Old US-52	44.27
WS-Rdwy-149	N/A	Roadway Modernization	Winston-Salem	NC 66 (University Parkway)	Park St	Old Hollow Rd	15.71

2035 Horizon Year Projects							
WS-Rdwy-151	N/A	Roadway Modernization	Winston-Salem	University Parkway (SR 4000)	Old Hollow Rd	Hanes Mill Rd	5.13
WS-Rdwy-152	N/A	Roadway Modernization	Winston-Salem	Bethania-Rural Hall Road (SR 4002)	US 52	Ziglar Rd	2.86
WS-Rdwy-155	N/A	Roadway Modernization	King	E King Street (SR 1236)	Moore Rd/Mountain View Rd	Kirby Rd	2.01
WS-Rdwy-156	N/A	Roadway Modernization	Winston-Salem	S Martin Luther King Jr. Drive (SR 4394)	New Walkertown Rd/311	Salem Pkwy	3.18
WS-Rdwy-160	N/A	Roadway Modernization	Winston-Salem	Oak Summit Road (SR 1686)	Old Rural Hall Rd	University Pkwy	17.33
WS-Rdwy-166	N/A	Roadway Modernization	Winston-Salem	NC 67 (Reynolda Road)	Fairlawn Dr	Seward Cir	32.58
WS-Rdwy-187	N/A	Roadway Modernization	Lewisville	Shallowford Road (SR 1001)	Meadowlark Dr	Lewisville-Vienna Rd	17.39
WS-Rdwy-191	N/A	Roadway Modernization	Clemmons	S Peace Haven Road (SR 1891)	McGregor Rd	Lewisville Clemmons Rd	12.59
WS-Rdwy-193	N/A	Roadway Modernization	Winston-Salem	Hanes Mall Boulevard (SR 3153)	I-40	Jonestown Rd	3.12
WS-Rdwy-194	N/A	Roadway Modernization	Winston-Salem	Jonestown Road (SR 1122)	Country Club Rd	Hanes Mall Blvd	4.15
WS-Rdwy-201	N/A	Roadway Modernization	Midway	Old US Highway 52 (SR 2932)	Hickory Tree Rd	Midway School Rd	6.75
WS-Rdwy-211	N/A	Roadway Modernization	Bermuda Run	Main Street [Bethania] (SR 1611)	Spainhour Mill Rd	Bethania Rural Hall Rd	36.67
WS-Rdwy-219	N/A	Roadway Modernization	Winston-Salem	Union Cross Road (SR 2643)	Willard Rd	Thomasville Rd	4.74
WS-Rdwy-225	N/A	Roadway Modernization	Forsyth County	US 158 (S Stratford Road)	I-40	Idols Rd	24.99
WS-Rdwy-290	N/A	Roadway Modernization	Winston-Salem	Shattalon Drive (SR 1686)	North Forsyth High School	Reynolda Rd	19.21
WS-Rdwy-294	N/A	Roadway Modernization	Winston-Salem	Yadkinville Road (SR 1525)	Valley Rd	Shattaloon Dr	7.85
WS-Rdwy-410	N/A	Roadway Modernization	Winston-Salem	W Clemmons Rd	I-285	NC 150	9.35
WS-Rdwy-413	N/A	Roadway Modernization	Winston-Salem	W Clemmons Rd	Ebert Rd	Salem Creek/Griffith Rd	8.89
WS-Rdwy-416	N/A	Roadway Modernization	Winston-Salem	Northwest Blvd	N Hawthorne Rd	N Broad St	4.80
WS-Rdwy-420	N/A	Intersection Improvements	Walkertown	US-158	--	--	4.50
WS-Rdwy-421	N/A	Intersection Improvements	Winston-Salem	E 6th St / N Chestnut St	--	--	21.53
WS-Rdwy-422	N/A	Intersection Improvements	Winston-Salem	Lockland Ave / Hawthorne Rd	--	--	21.53
WS-Rdwy-424	N/A	Intersection Improvements	Winston-Salem	US-158	North of I-40 Interchange	Hanes Mall Blvd	21.53