



NORTH CAROLINA

Department of Transportation



2018-2027 STIP

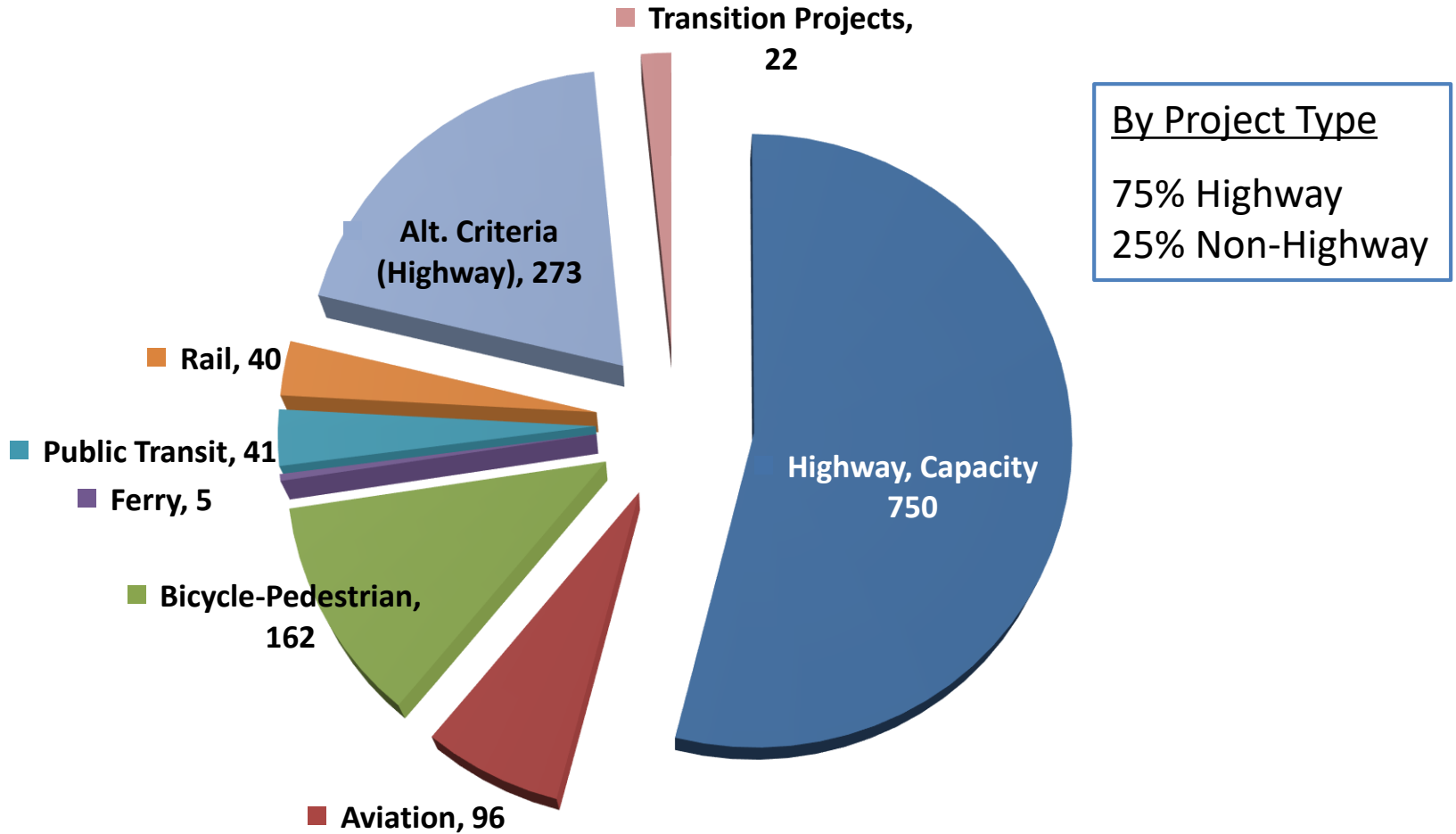
Van Argabright

December 7, 2017

2018-2027 State Transportation Improvement Program (STIP)

- Adopted by BOT in August 2017
- 2nd STIP produced under the Strategic Transportation Investments (STI) legislation
- STI is data-driven, making the best use of our transportation revenue to create more jobs and improve connectivity
- STIP includes capital projects for six modes of transportation:
 - Aviation
 - Bicycle and Pedestrian
 - Ferry
 - Highways
 - Rail
 - Transit
- Total of 1,389 projects, including 344 non-highway projects

2018-2027 STIP – Project Summary



2018-2027 STIP Project Type

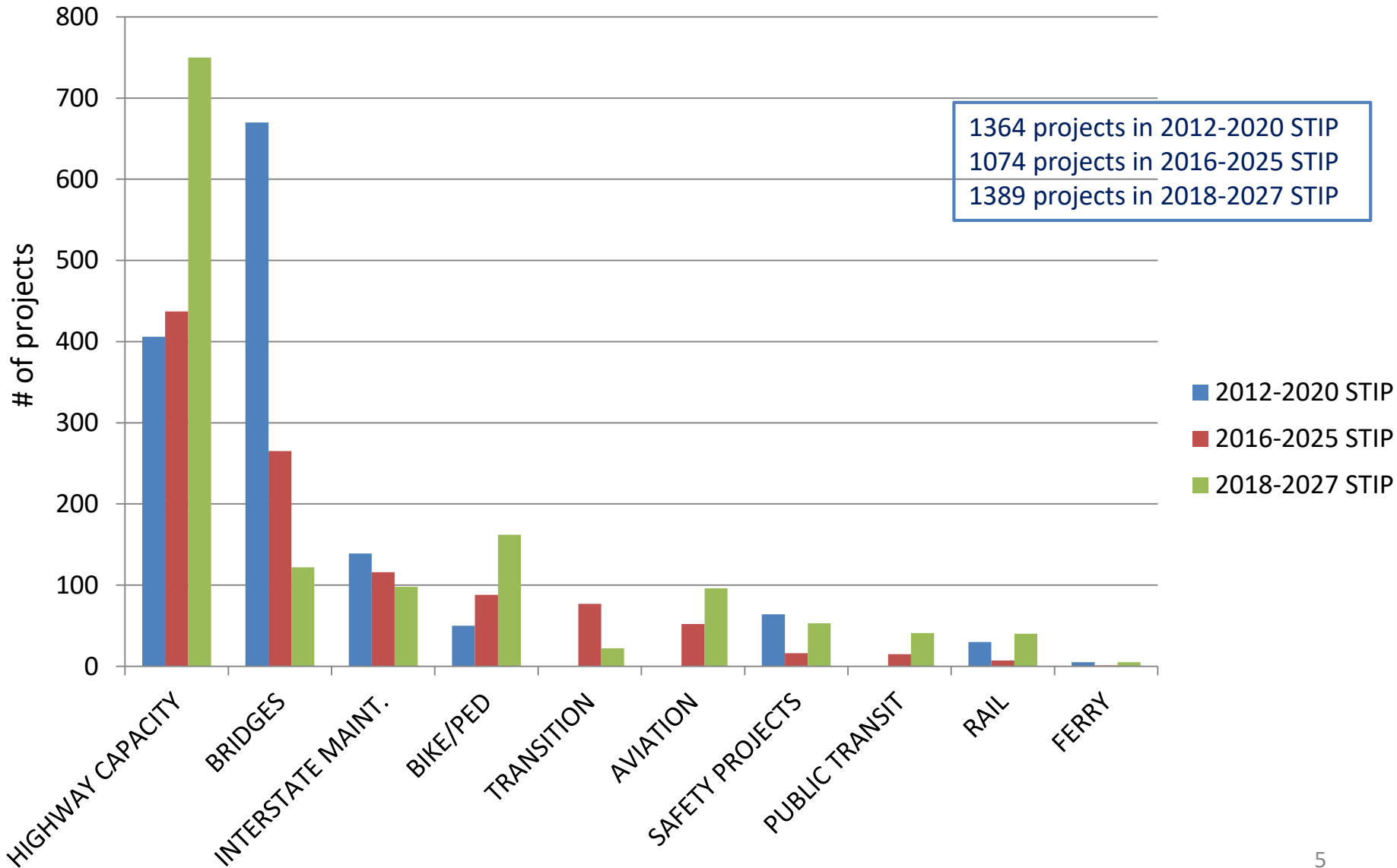
Highway	Bike/Ped	Aviation	Transit	Rail	Ferry	Transition
1,023	162	96	41	40	5	22

Highway Project Breakdown:

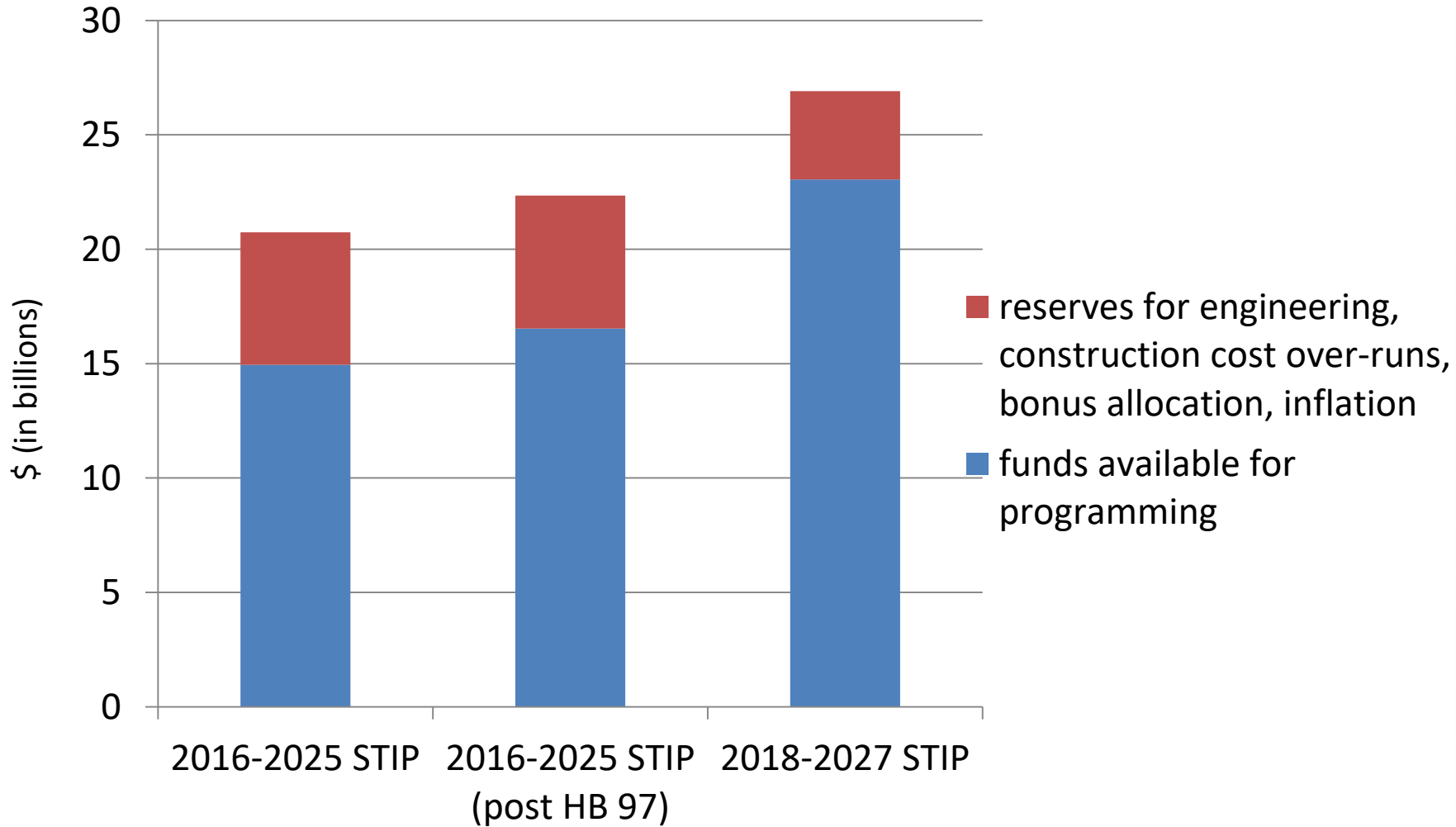
- 122 Bridge Replacement
- 98 Interstate Maintenance
- 750 Roadway Capacity Improvement
- 53 Safety

Note: Project count does not include CMAQ, or future holdout STBG-DA, Bridge, Safety and Interstate Maintenance projects

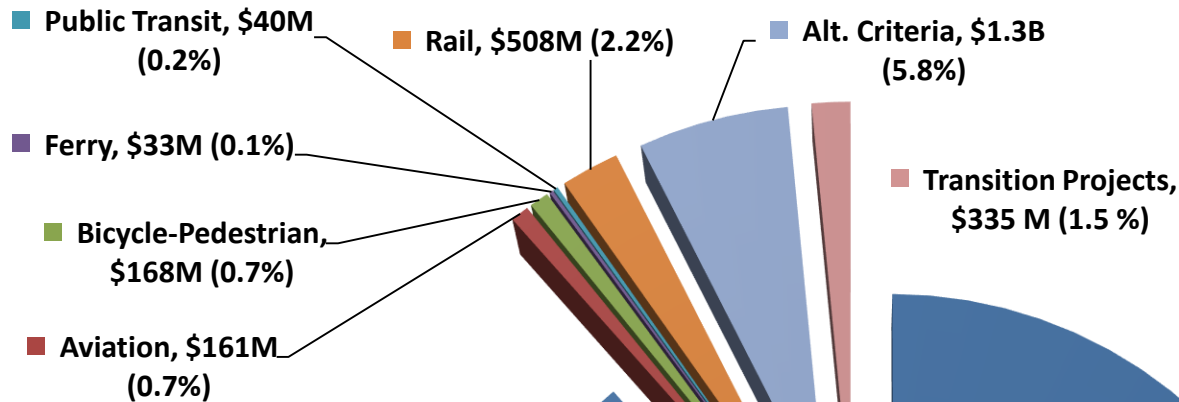
Number of STIP Projects Comparison



Revenue Availability Comparison

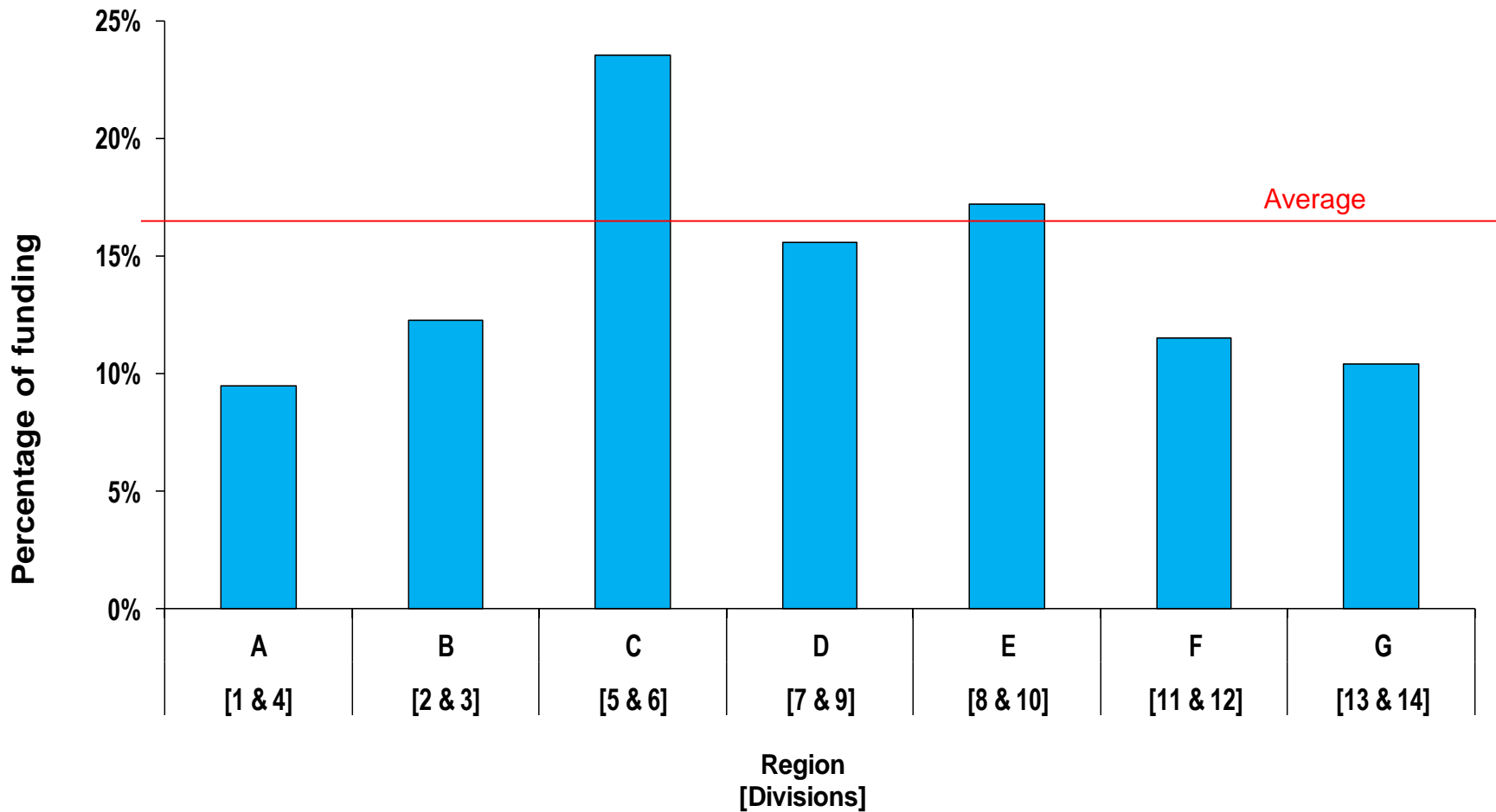


2018-2027 STIP – Programmed Amount

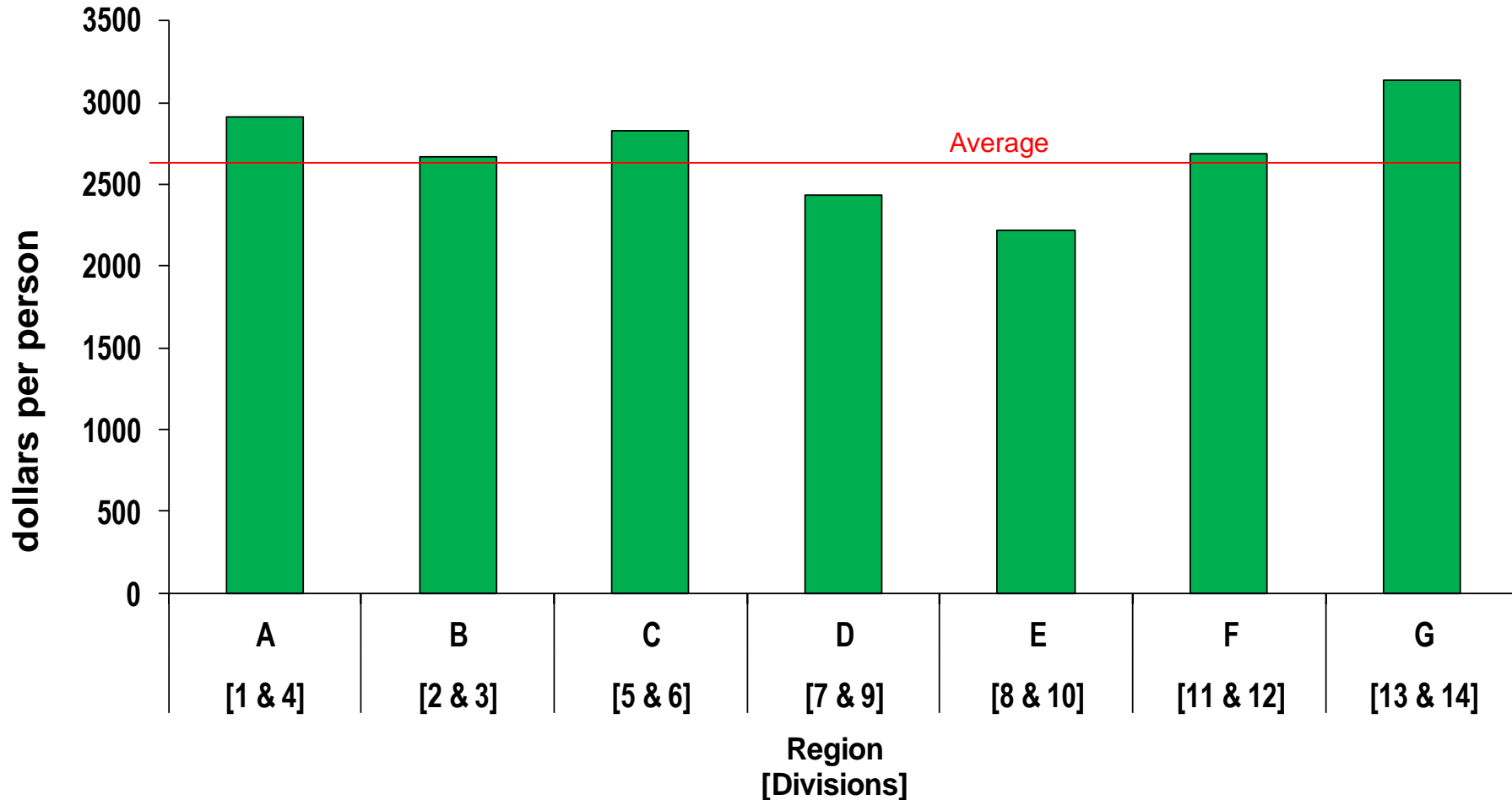


By Project Type
96% Highway
4% Non-Highway

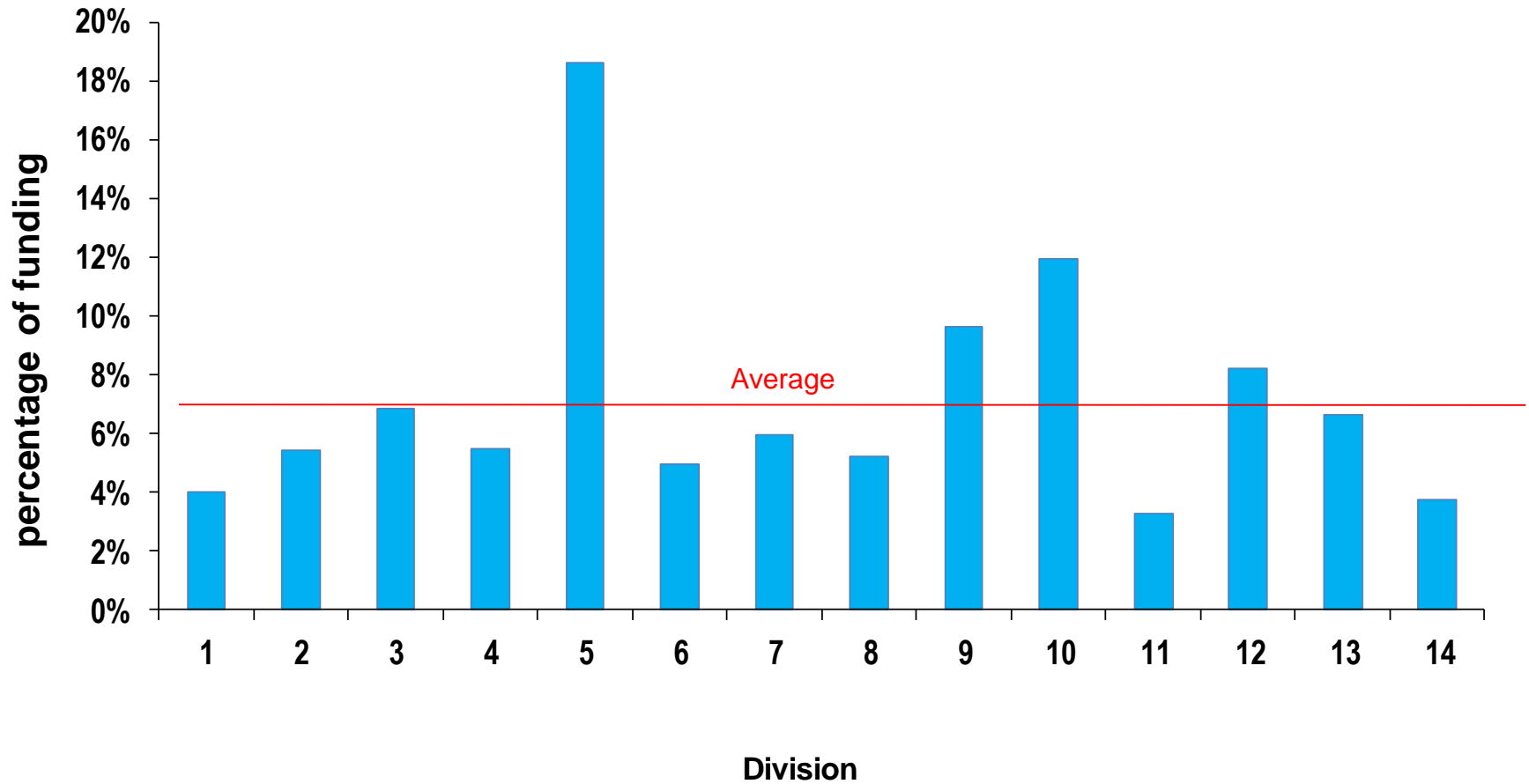
FUNDING DISTRIBUTION BY REGION IN THE 2018-2027 STIP



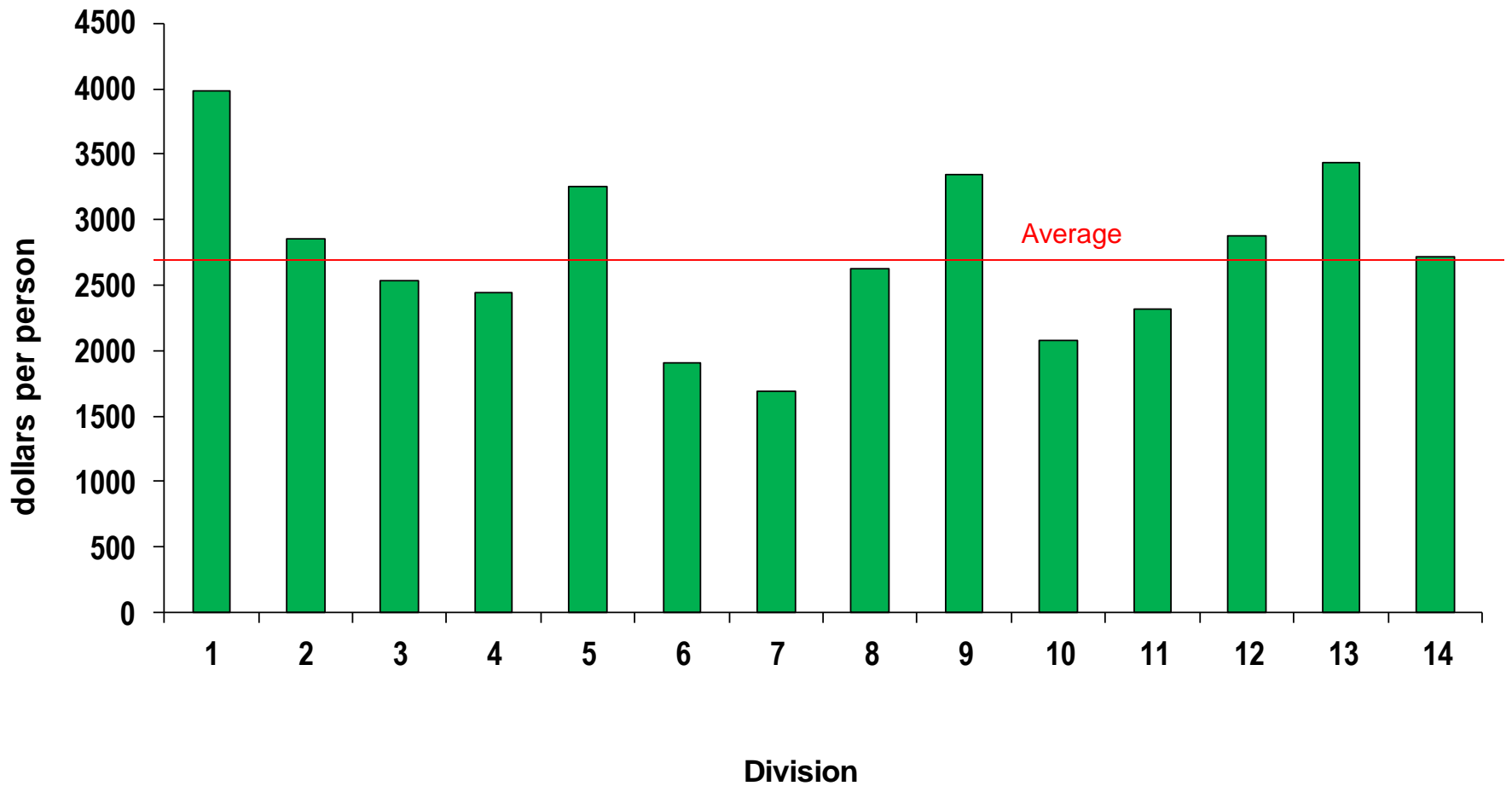
PER CAPITA FUNDING BY REGION IN THE 2018-2027 STIP



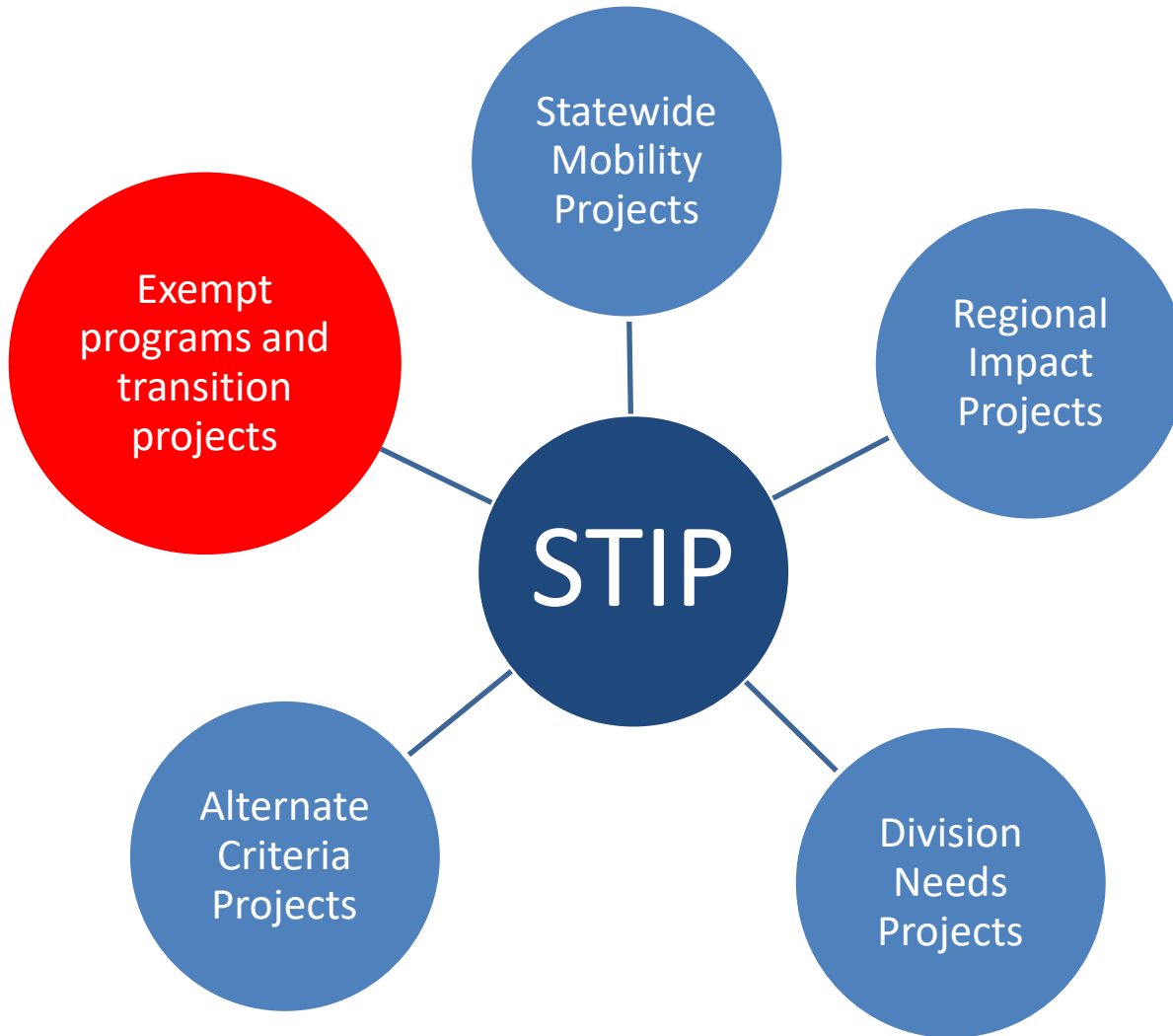
FUNDING DISTRIBUTION BY DIVISION IN THE 2018-2027 STIP



PER CAPITA FUNDING BY DIVISION IN THE 2018-2027 STIP

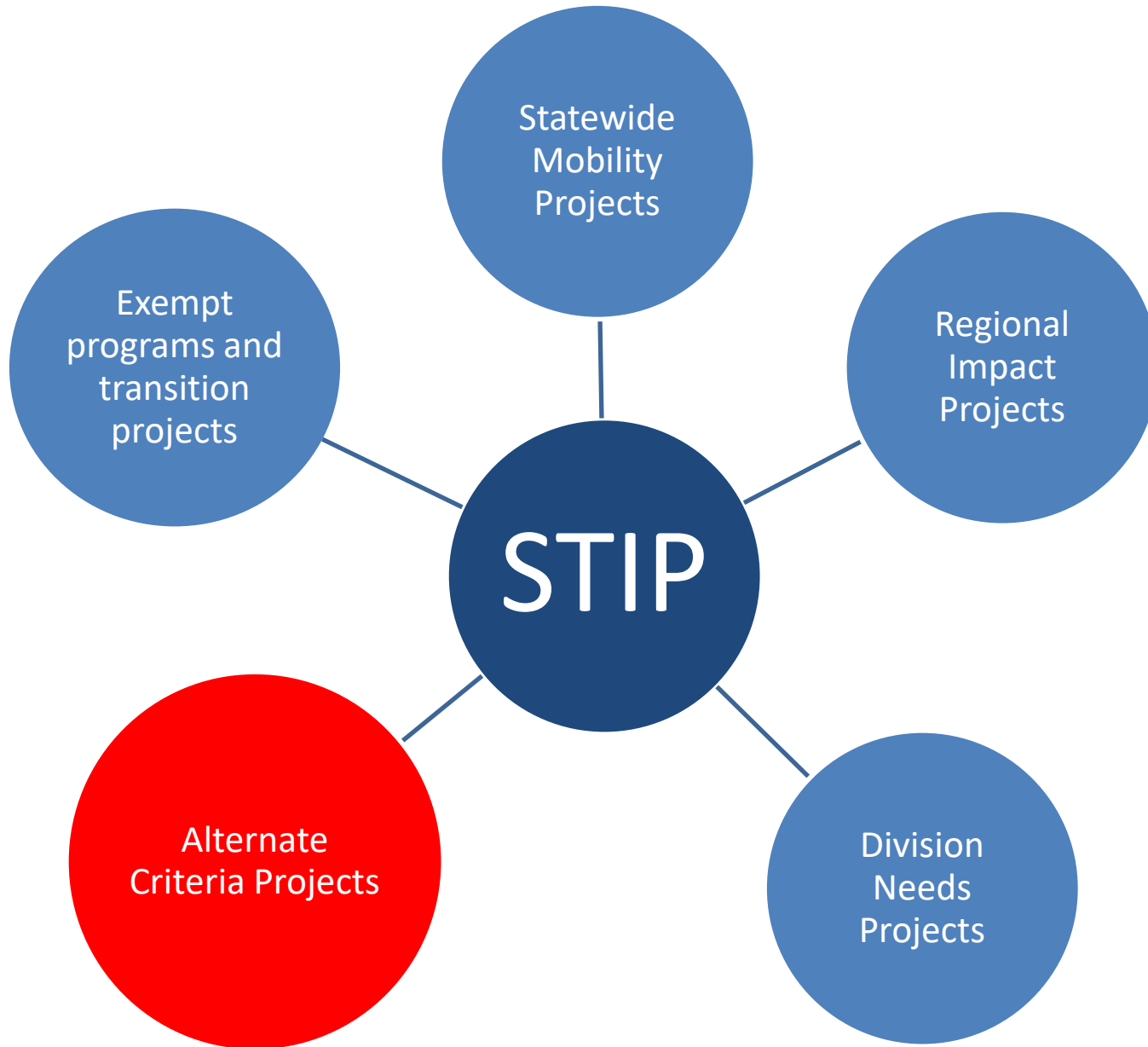


STIP “Blocks”



Exempt Programs

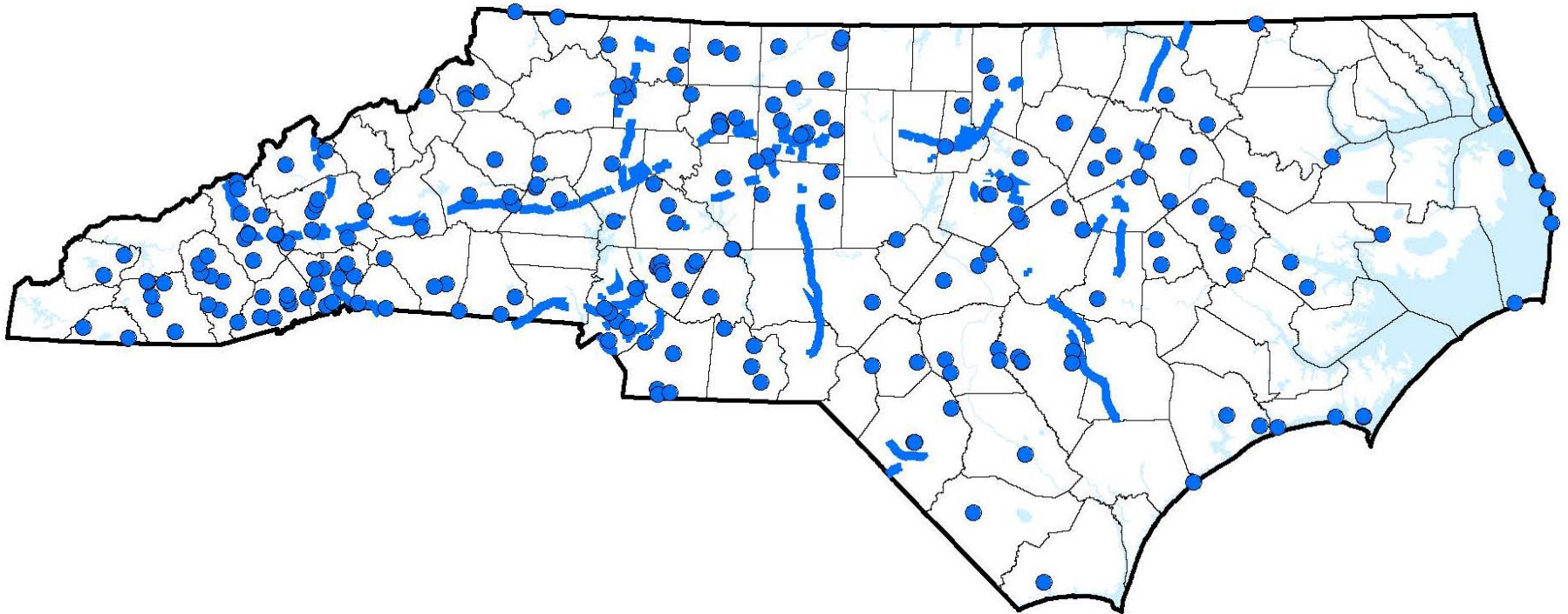
- Exempt Programs - *projects that will be funded in the STIP but are not subject to the provisions of the STI law. Examples include:*
 - Federal Congestion Mitigation and Air Quality projects (CMAQ) funded at \$30 M annually
 - Appalachian Development Highway funds – currently \$260M available
 - Federal competitive or discretionary grant funds
 - Transition projects – projects that were scheduled for letting by June 2015 as of October 2013



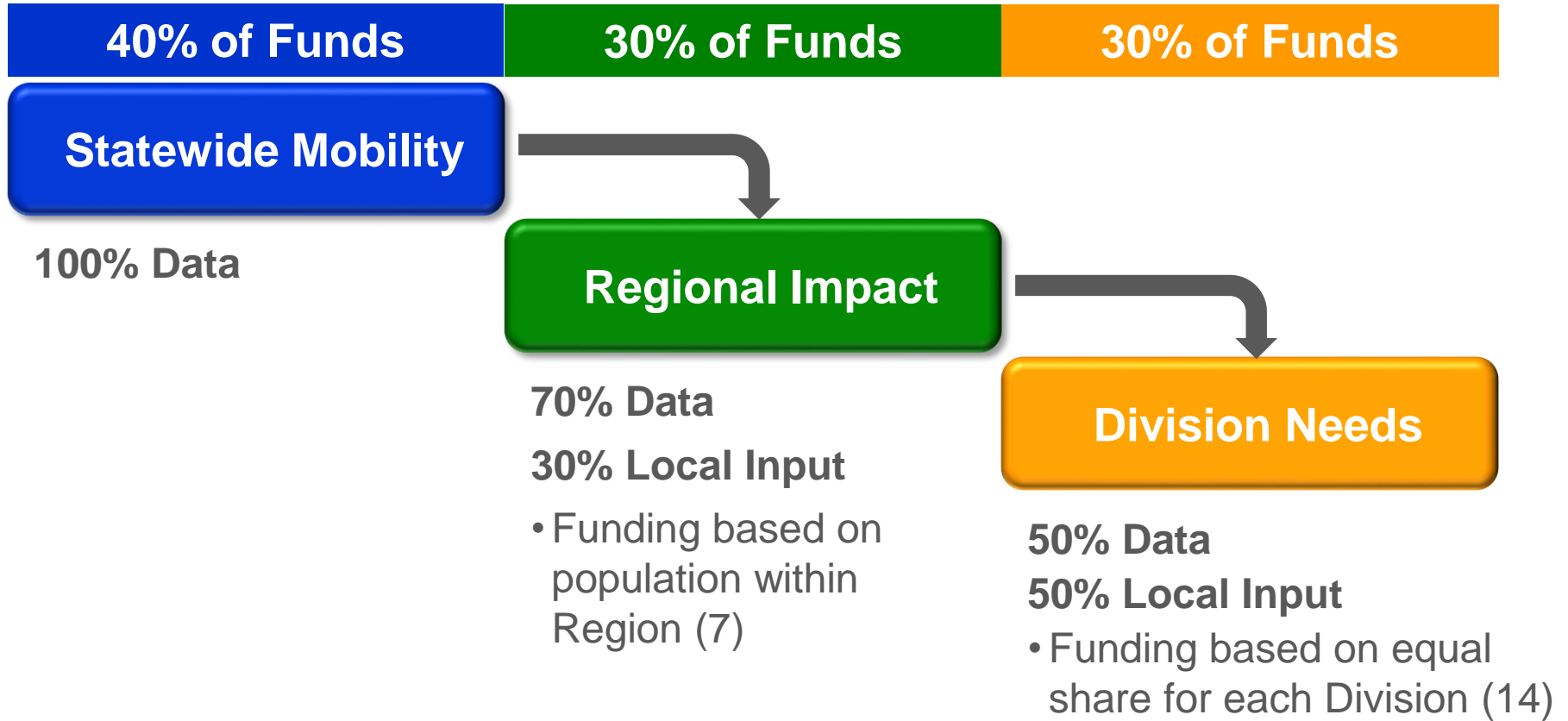
Alternate Criteria Projects

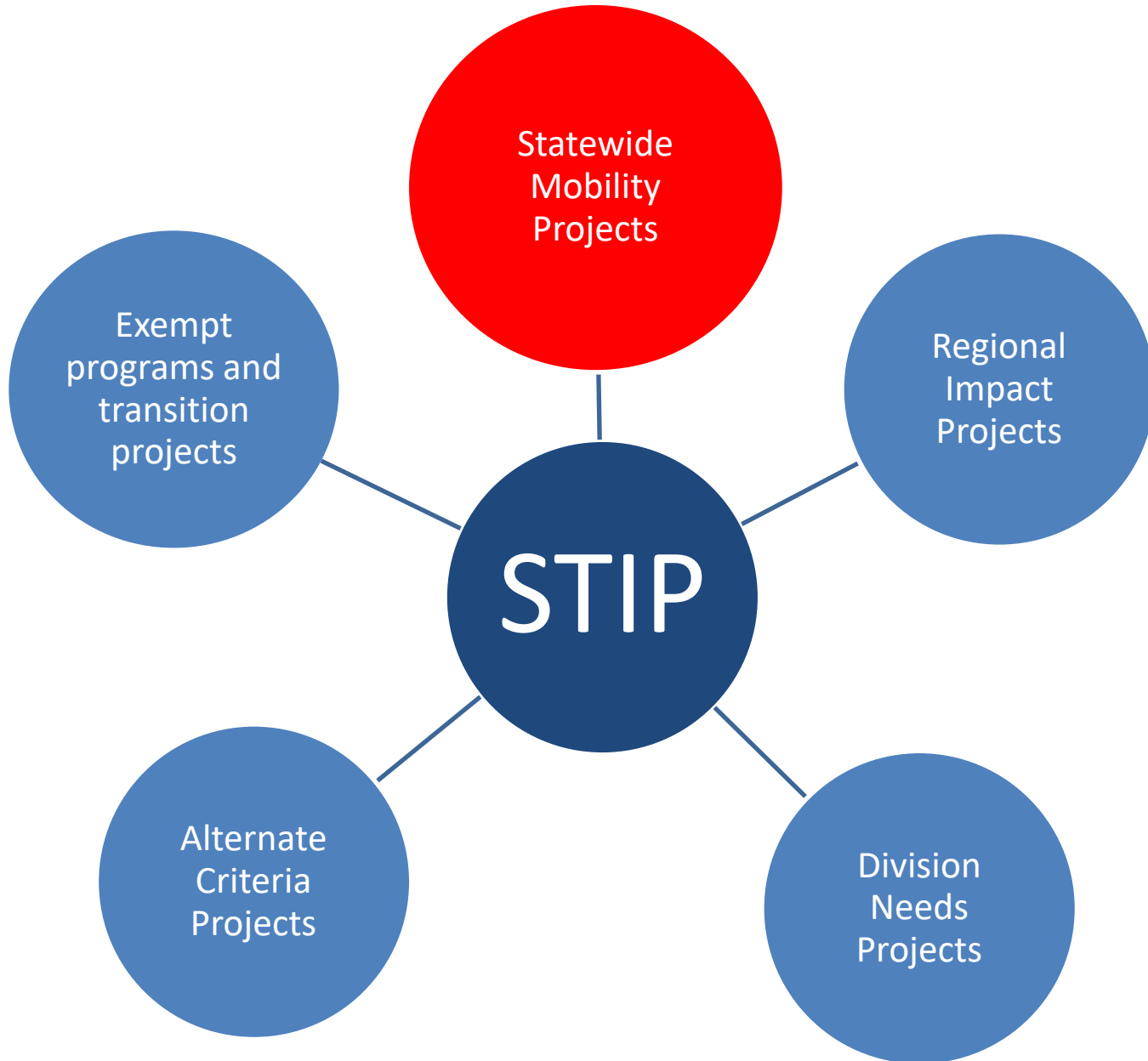
- Bridge Replacements (target is \$50 M per year)
- Interstate Maintenance (target is \$100 M per year)
- Highway Safety Improvements (target is \$40 M per year)
- Economic Development (legislation restricts use to \$10 M maximum per fiscal year)
- Federal Surface Transportation Block Grant Funds that are directly attributable to MPOs with population > 200 K (\$62 M per year)
- Federal Transportation Alternative Funds that are directly attributable to MPOs with population > 200 K (\$4.7 M per year)
- Emergency funds (no funding to date)

ALTERNATE CRITERIA Projects (Interstate Maintenance, Bridge, & Safety)



STI Overview





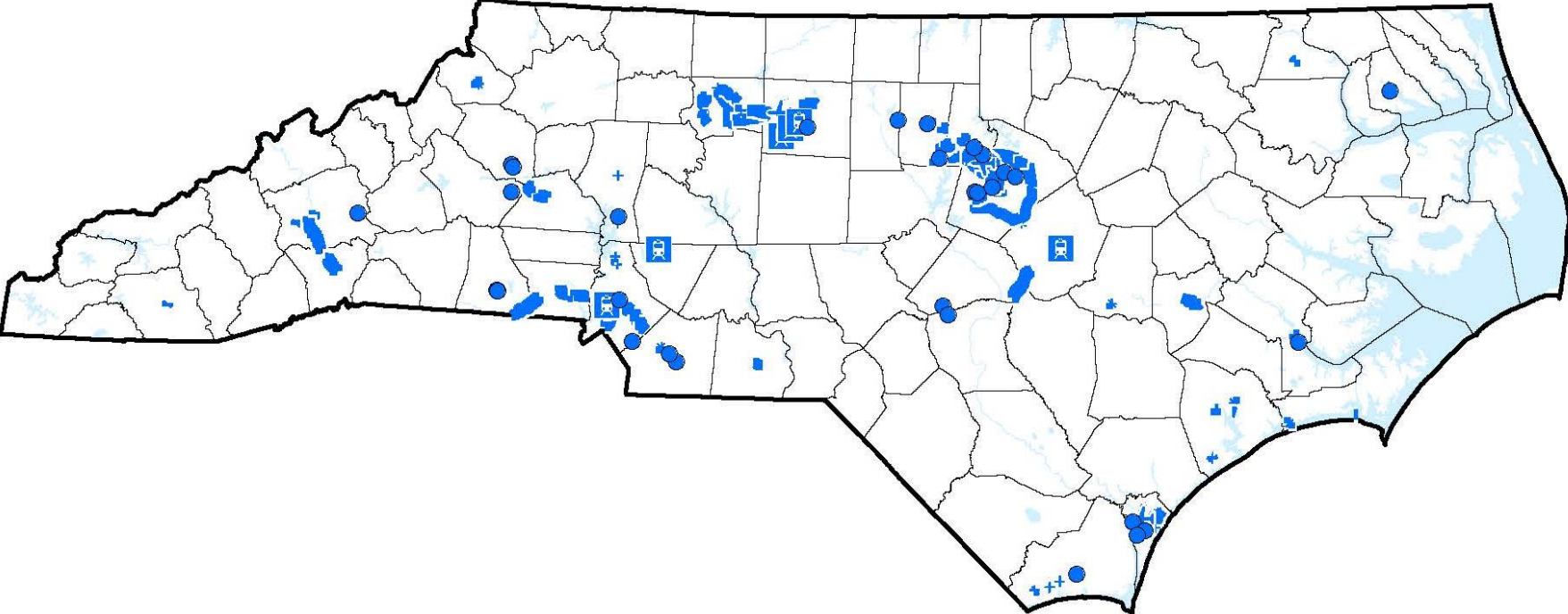
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Statewide Mobility

40% of Funds

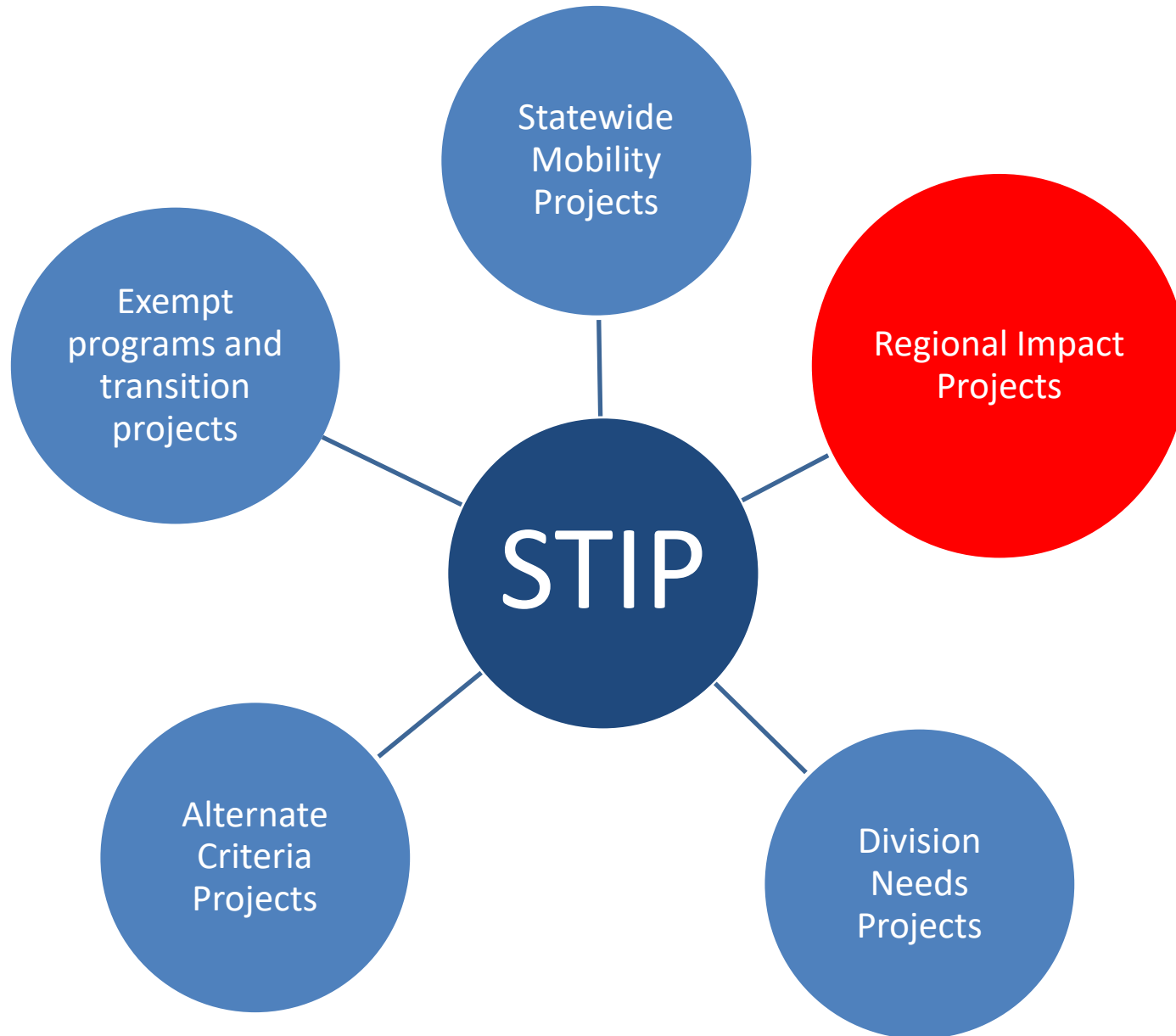
- \$9.0 B for 10 Year Program
- Project selection:
 - 100% technical score
- 153 projects:
 - 130 highway
 - 15 aviation
 - 8 rail
- Projects in 30 counties

STATEWIDE MOBILITY Projects



Corridor Cap Growth

- STI directs that no more than 10 percent of the funds projected to be allocated to the SW Mobility category over any five-year period be assigned to a project or group of projects in the same corridor within a Transportation Division or adjoining Divisions.
- Corridor caps in the 2016-2025 STIP
 - 1st 5 years = \$197 M
 - 2nd 5 years = \$298 M
- Corridor caps in the 2018-2027 STIP
 - 1st 5 years = \$435 M
 - 2nd 5 years = \$473 M
- Why has the cap risen? Revenue growth and less transition projects to pay for.



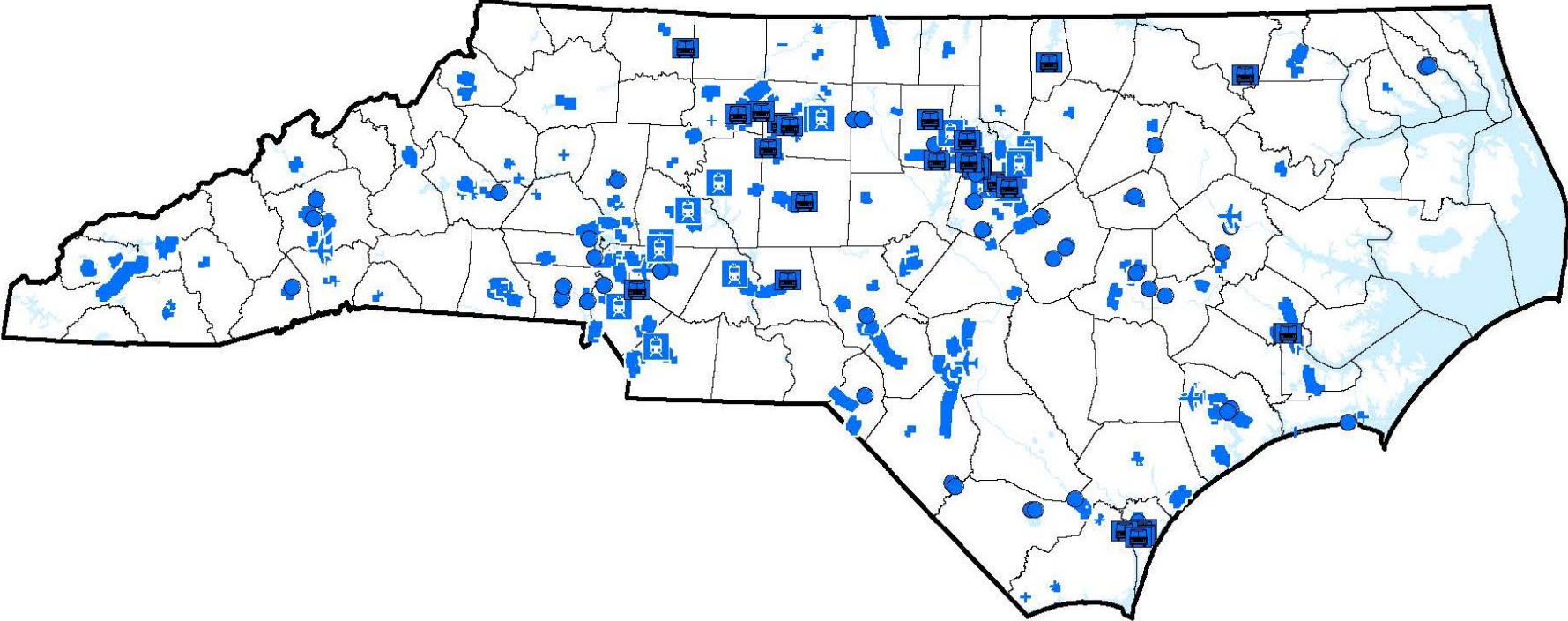
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Regional Impact

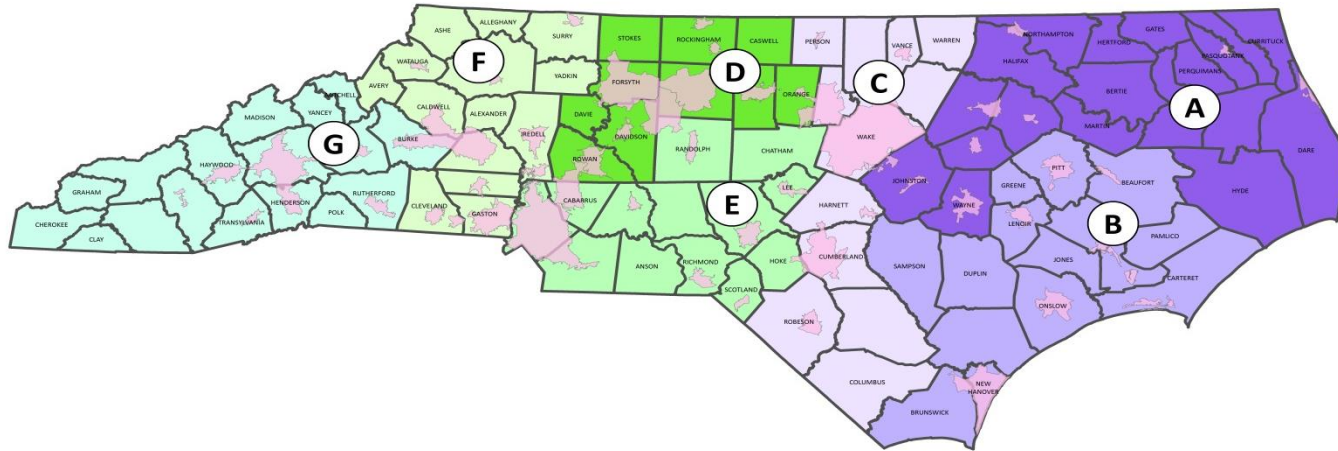
30% of Funds

- \$7.0 B for 10 year program
- Project selection:
 - 70% technical score
 - 30% local input
- 342 projects:
 - 273 highway
 - 30 public transportation
 - 16 aviation
 - 23 rail
- Projects in 59 counties

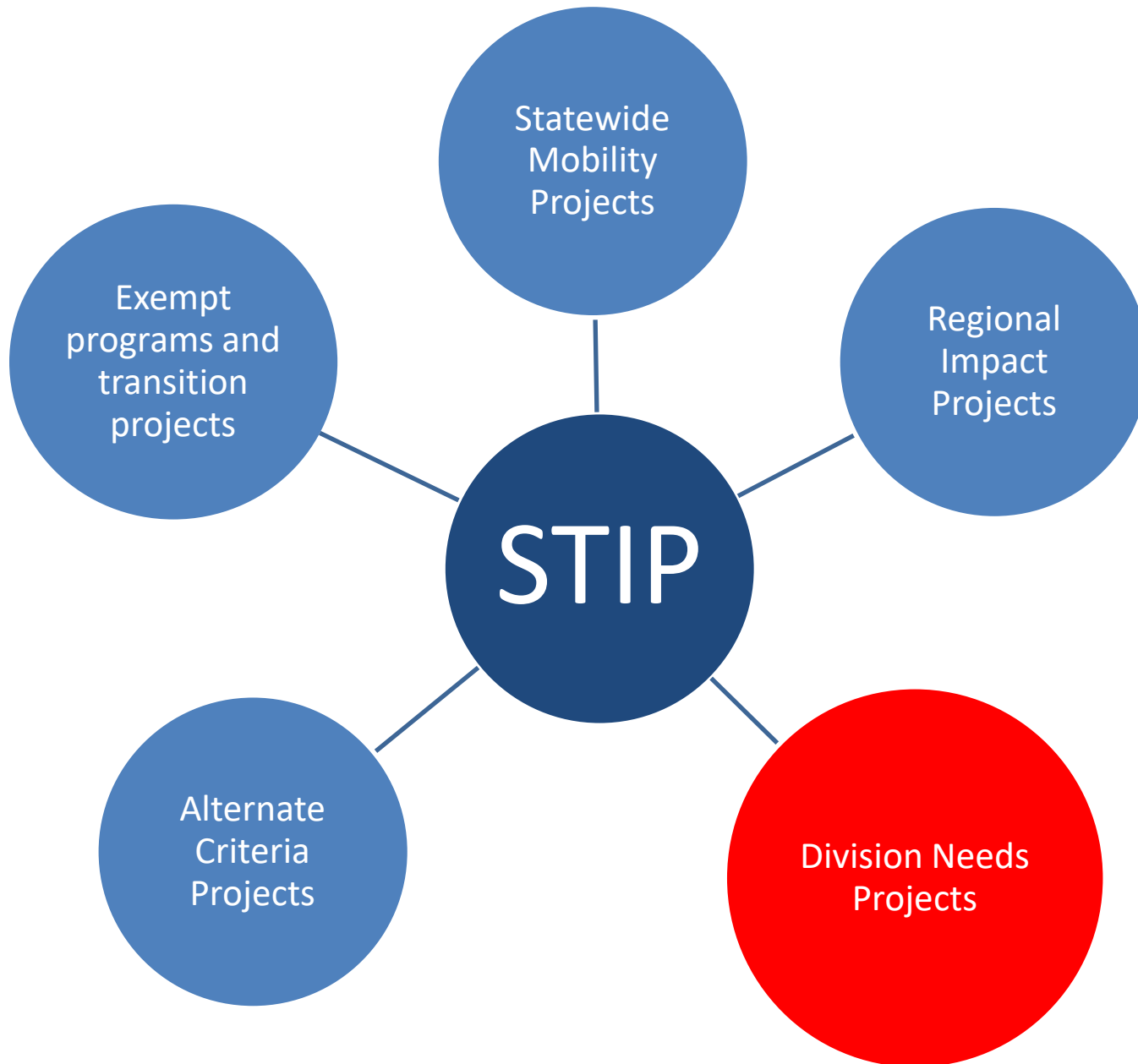
REGIONAL IMPACT Projects



Regional Funding Allocations



Distribution Regions	Population	% of State Population	10-Year Allocation (In Thou)
A (Divs. 1&4)	853,654	8.58%	\$581,789
B (Divs. 2&3)	1,208,782	12.14%	\$823,819
C (Divs. 5&6)	2,185,131	21.95%	\$1,489,229
D (Divs. 7&9)	1,679,814	16.88%	\$1,144,841
E (Divs. 8&10)	2,032,197	20.42%	\$1,385,000
F (Divs. 11&12)	1,123,045	11.28%	\$765,387
G (Divs. 13&14)	871,064	8.75%	\$593,655
	9,953,687		\$6,783,720



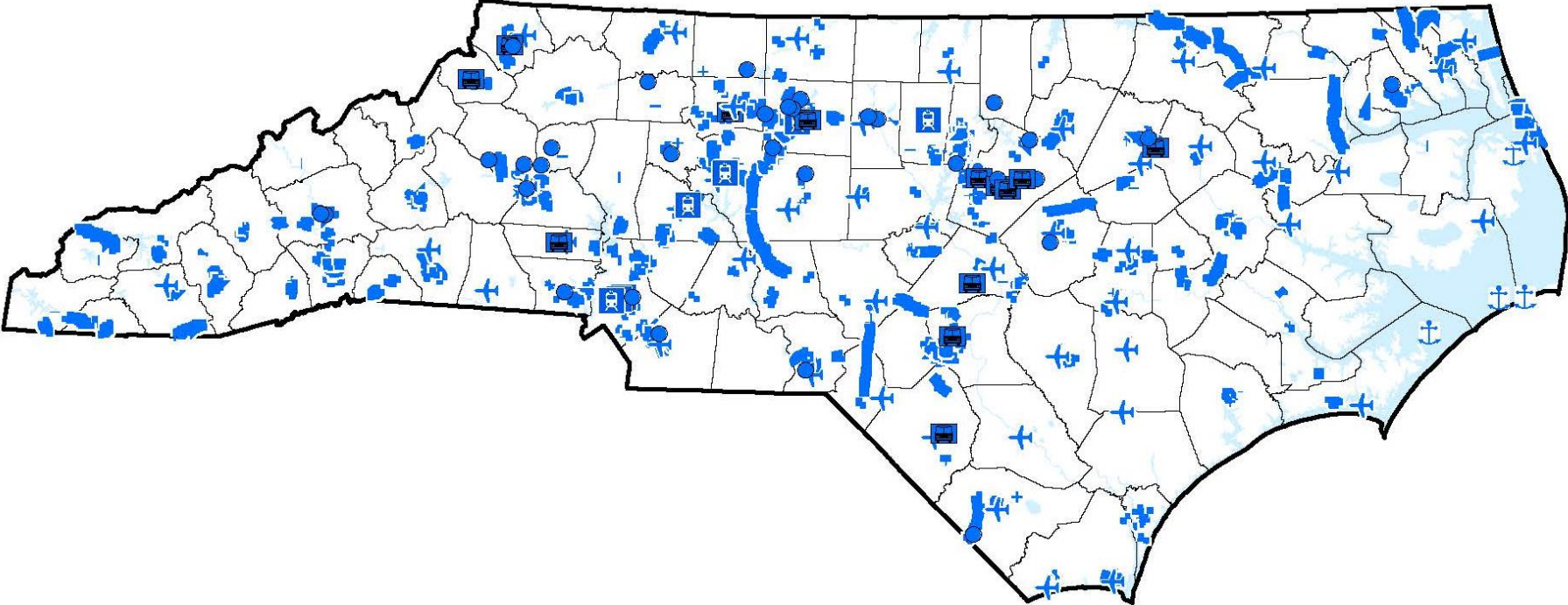
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Division Needs

30% of Funds

- \$7.0 B for 10 year program
- Project selection:
 - 50% technical score
 - 50% local input
- 599 projects:
 - 347 highway
 - 162 bicycle/pedestrian
 - 11 public transportation
 - 65 aviation
 - 9 rail
 - 5 ferry
- Projects in 93 counties

DIVISION NEEDS Projects



Funding Caps and Restrictions

- Statewide Program Corridor Cap – *impacted projects on the I-26 corridor in Buncombe and Henderson Counties; I-77 corridor in Mecklenburg and Iredell Counties; and the I-40 Corridor in Wake, Durham, Orange and Johnston Counties, NC 540 in Wake and Johnston Counties*
- Annual funding limits on airport projects in the Statewide, Regional, and Division categories
- Funding limits on Regional transit projects
- Funding limits on commuter rail and light rail projects
- Prohibition on using state funds to match federal-aid for independent bicycle and pedestrian projects

Bonus Allocation

- STI Law provides for Bonus Allocations to local jurisdictions for providing a portion of the construction cost of a project
- 50% of the direct participation amount, or 50% of the amount of toll revenue bonds (up to \$100 M) go back to the County or Counties for other highway projects
- The bonus allocation must be used over the five-year period in the STIP following the contractual obligation.
- To date, \$749 M in Bonus Allocation funds authorized or reserved:
 - 19 Budgeted Amounts – 9 toll bond revenue and 10 direct contributions
 - 10 Counties eligible for allocations
 - \$70 Million already authorized; \$308 million reserved or programmed in 10 year (2018 – 2027) window; and \$371 million beyond 2027

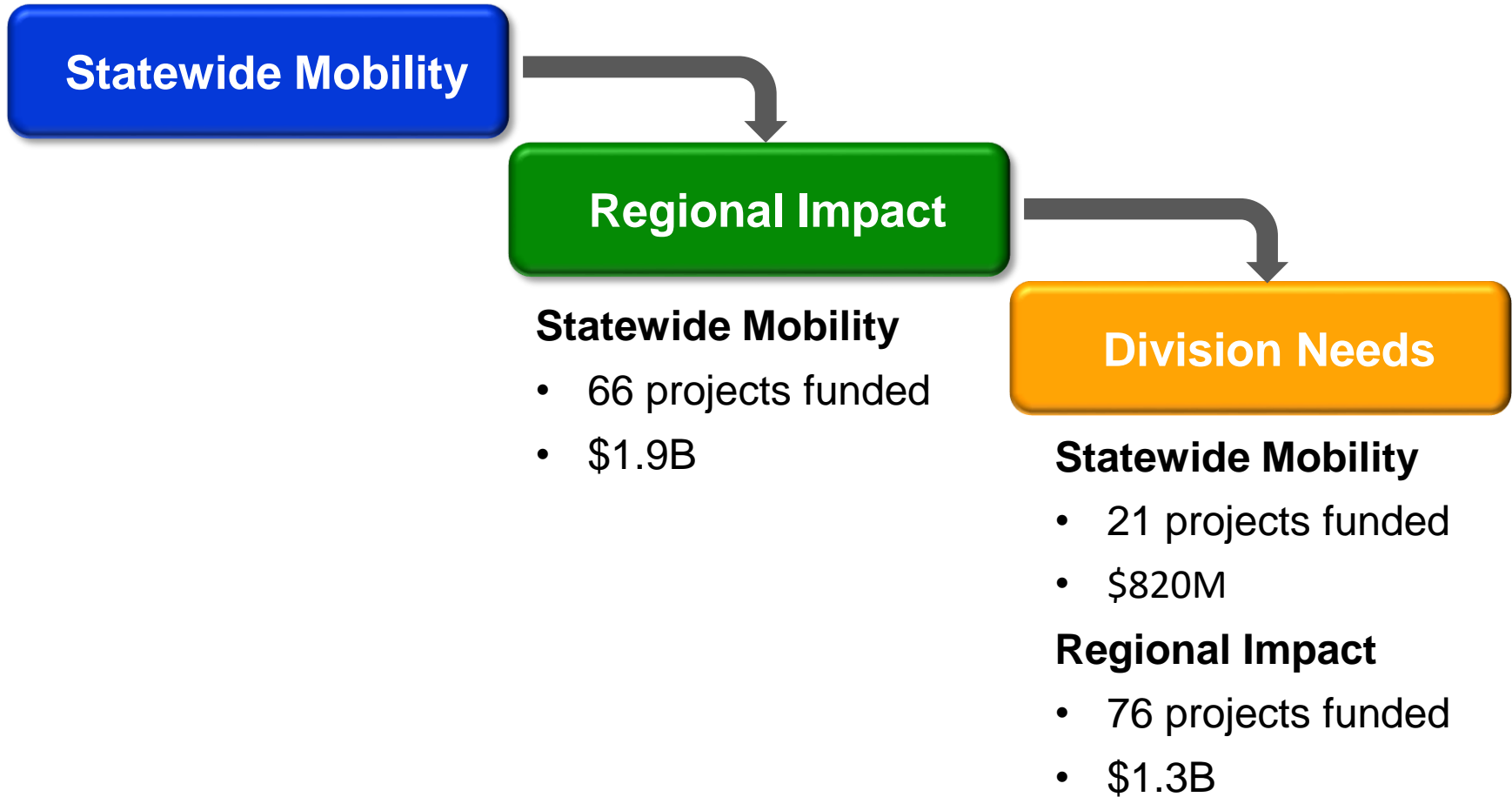
Toll Cap

- Law limits number of projects Turnpike Authority can operate to 11
- No limit on the number that can be programmed
- One Turnpike Authority Project Operating:
 - Triangle Expressway
- Two Turnpike Authority Projects Under Construction:
 - Monroe Bypass
 - I-77 Managed Lanes
- This leaves 8 additional projects the Turnpike Authority can operate

Normalization and Modal Project Selection for Regional Impact and Division Needs Categories

- 4% minimum programmed for non-highway mode. First step in programming. Projects competed statewide.
- 90% minimum programmed for highway mode. Second step of programming. Projects competed by region and division.
- 6% remaining funds could be programmed on either highway or non-highway mode projects. Projects completed by region and division.

Cascade Effect



Programming Changes to Expedite Project Delivery

2018-2027 STIP Development:

- After release of Draft STIP, projects added to STIP for “Planning Only”
- Allowed engineering work to begin prior to final adoption of the STIP
- Early project development = project acceleration

Future STIP Development:

- Projects will be added to current STIP for “Planning Only” in 3 stages –
 1. After release of Statewide Mobility projects (9 months ahead of the release of the Draft STIP)
 2. After release of Regional Impact projects (4 months ahead of the release of the Draft STIP)
 3. After release of Division Needs projects (this occurs at the release of the Draft STIP)

<http://www.ncdot.gov/strategictransportationinvestments/>



NCDOT NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

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Strategic Transportation Investments

The  [Strategic Transportation Investments \(STI\) Law](#) (House Bill 817) allows NCDOT to maximize North Carolina's existing transportation funding to enhance the state's infrastructure and support economic growth, job creation and high quality of life. STI establishes the Strategic Mobility Formula, a new way of allocating available revenues based on data-driven scoring and local input.

STI Implementation Update

On Dec. 4, NCDOT released its Draft 10-year State Transportation Improvement Program (STIP), which schedules the projects proposed for full or partial funding across the state in the 2016-2025 STIP. This is one of the final steps toward implementing the new Strategic Transportation Investments (STI) Law.

The draft document demonstrates that the law is working as intended. It includes a total of **nearly 1,100 projects**, touching every transportation mode and in every county across the state. It is this one of our most comprehensive programs ever and will help dramatically improve connectivity, reduce congestion issues, enhance safety and strengthen our highways.

News Release & Documents


 [News Release - 09/24/2014](#)

 [News Release - 05/14/2014](#)

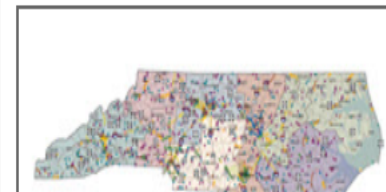
 [News Release - 03/31/2014](#)

 [News Release - 08/07/2013](#)

 [Recommended Scoring Criteria](#)

 [Ratified House Bill 817 - Strategic Mobility Formula](#)

STI Overview Map



QUESTIONS?

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