



NORTH CAROLINA

Department of Transportation



STI Prioritization and Programming Process

Alan Pytcher, NCDOT Division 3

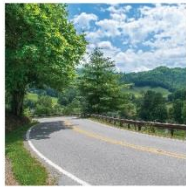
Darius Sturdivant, NCDOT Division 6

Cape Fear Rural Planning Organization

August 18, 2017

Today's Roadmap

- 1. State Transportation Improvement Program (STIP)**
- 2. Strategic Transportation Investments (STI) Law**
- 3. P5.0 Scoring**
- 4. Scoring and Programming Process**
- 5. P5.0 for Cape Fear RPO**



State Transportation Improvement Program (STIP)



STATE TRANSPORTATION IMPROVEMENT PROGRAM (STIP)



2018-2027

2017

AUGUST 2017

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

State Transportation Improvement Program (STIP)

STIP identifies funding and scheduling of projects in NCDOT's capital program (55% of DOT Budget)

10 Year Program (currently 2018-2027)

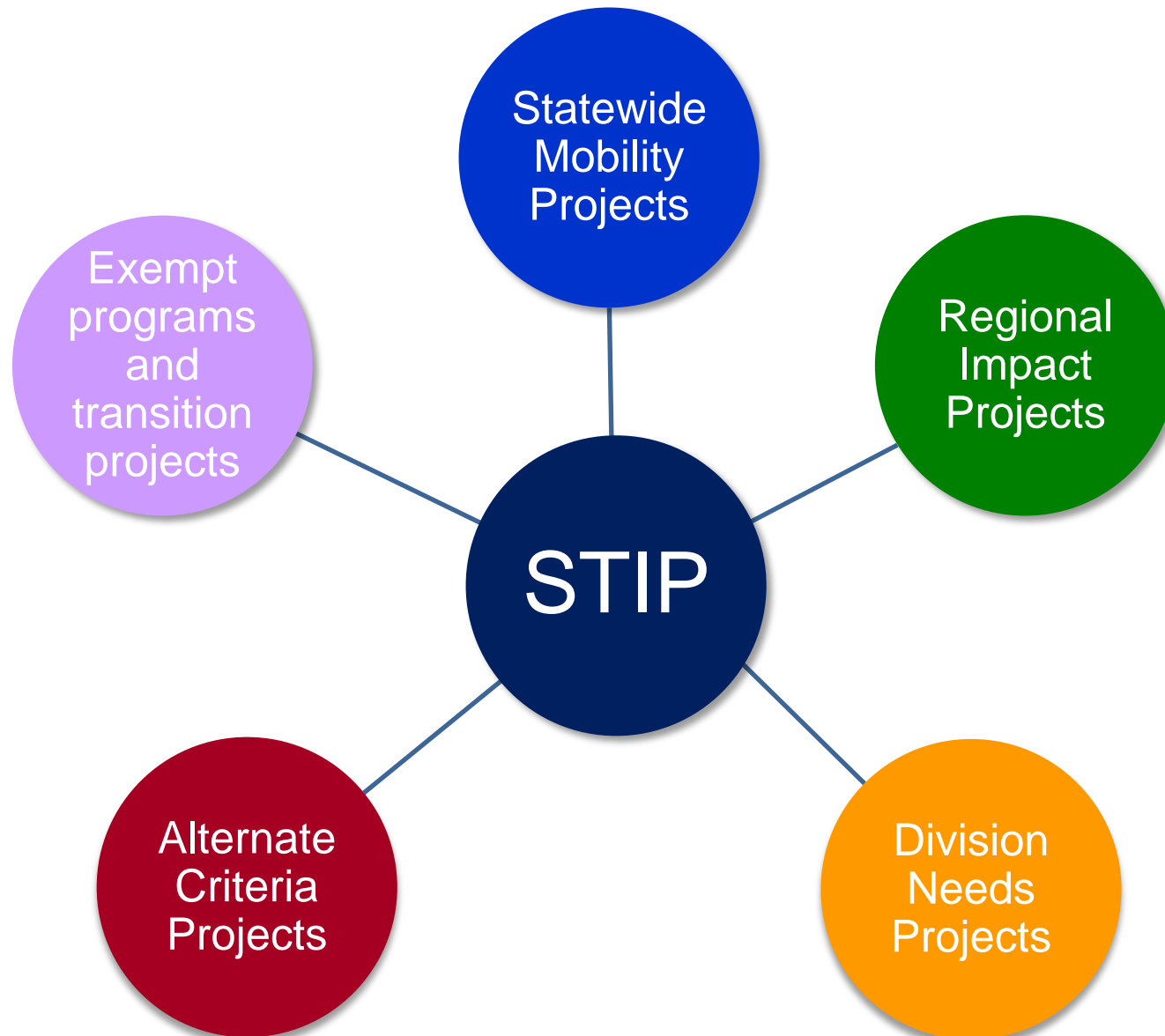
- 1st Five Years is “Delivery STIP” – committed projects
- 2nd Five Years is “Developmental STIP” – projects in early scoping and environmental development stage

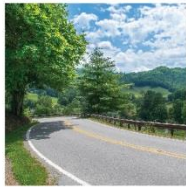
Updated every 2 years

Current STIP contains over \$28 Billion of projects

- Highway, non-highway, bridges, safety, Interstate Maintenance, CMAQ

Types of Projects in the STIP





Strategic Transportation Investments (STI) Law — *House Bill 817*

NC General Statutes Chapter 136 Article 14B.

Strategic Prioritization Funding Plan for Transportation Investments.

§ 136-189.10. Definitions.

The following definitions apply in this Article:

Defines the following:



Distribution Regions: Cape Fear RPO is in Funding Regions B & C

Region B – Brunswick & Pender in NCDOT Division 3

Region C – Columbus in NCDOT Division 6



STI Funding allocations:



Strategic Transportation Investments (STI) Law

Prioritizes NCDOT Projects across all **modes:
Highway, Aviation, Rail, Public Transportation, Ferry, and
Bike/Ped**

Needs-based

Directly ties funding to Prioritization Results - Scoring

Workgroup

Provide recommendations to NCDOT on prioritization criteria, weights, and scoring process for all modes

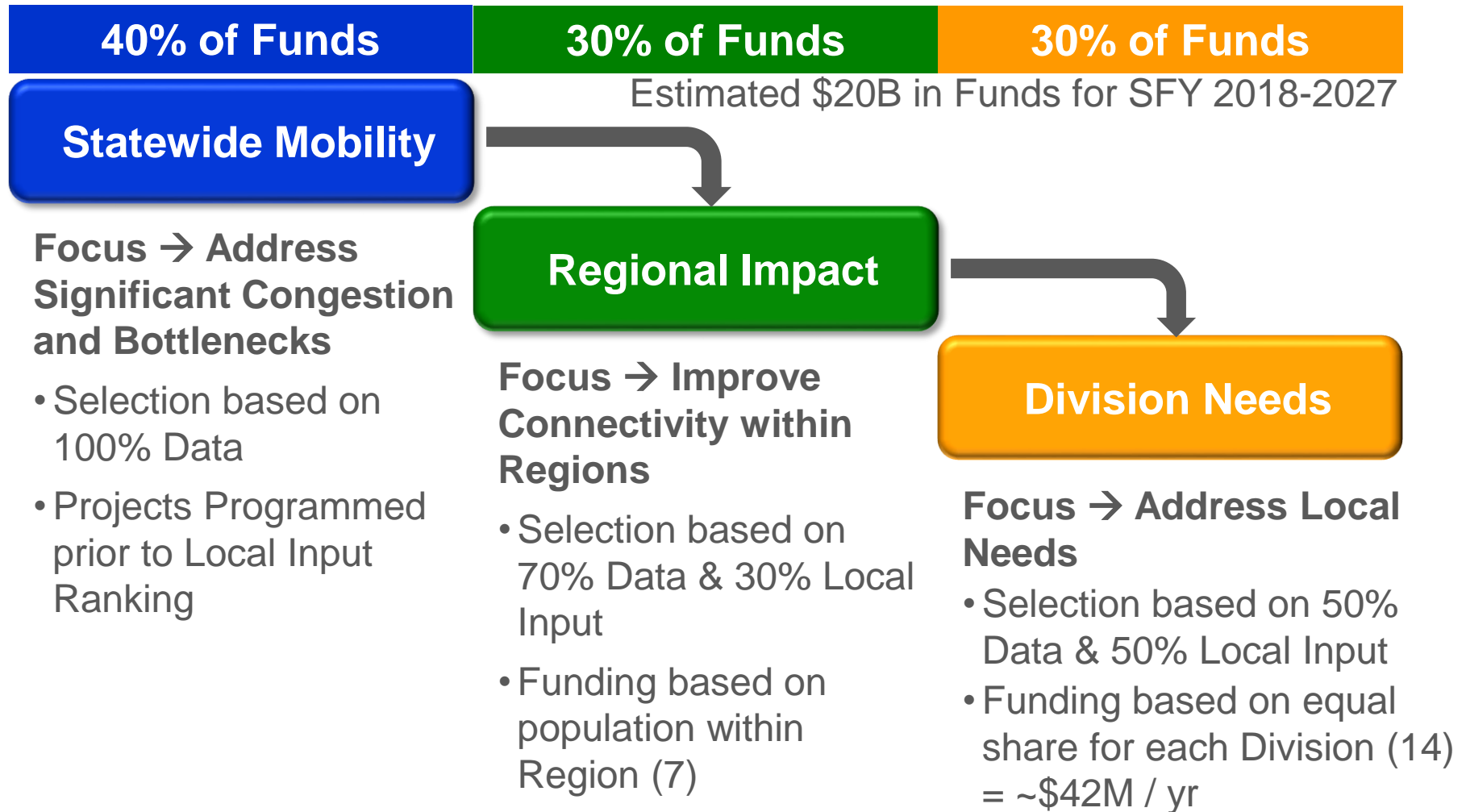
P5.0 Workgroup

- 4 MPO reps
- 4 RPO reps
- Metro Mayors Coalition
- League of Municipalities
- Regional Council of Governments
- Association of County Commissioners
- 12 NCDOT reps
- Advisory reps

18 “All Day” meetings (Oct 3rd – June 19th)

All recommendations based on consensus

How STI Works



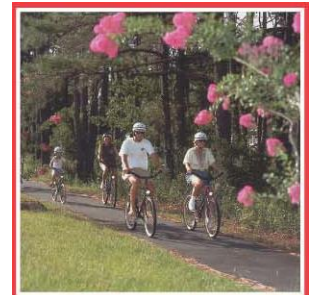
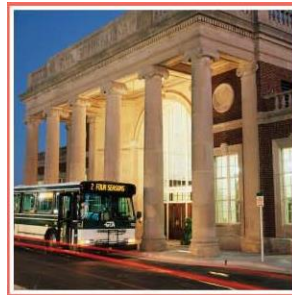
Eligibility Definitions

Mode	Statewide Mobility	Regional Impact	Division Needs
Highway	<ul style="list-style-type: none"> • Interstates (existing & future) • NHS routes (July 1, 2012) • STRAHNET • ADHS Routes • Uncompleted Intrastate projects • Designated Toll Facilities 	Other US and NC Routes	All County (SR) Routes
Aviation	Large Commercial Service Airports (\$500K cap)	Other Commercial Service Airports not in Statewide (\$300K cap)	All Airports without Commercial Service (\$18.5M cap)
Bicycle-Pedestrian	N/A	N/A	All projects (\$0 state funds)
Public Transportation	N/A	Service spanning two or more counties (10% cap)	All other service, including terminals and stations
Ferry	N/A	Ferry expansion	Replacement vessels
Rail	Freight Capacity Service on Class I Railroad Corridors	Rail service spanning two or more counties not Statewide	Rail service not included on Statewide or Regional

Non-Highway Criteria

Separate prioritization processes for each mode

- Minimum of 4 quantitative criteria
- Criteria based on 0-100 point scale with no bonus points



P5.0 Non-Highway Criteria

Aviation	Bicycle & Pedestrian	Ferry	Public Transportation	Rail
NCDOA Project Rating	Safety	Asset Condition	Impact	Benefit-Cost
FAA ACIP Rating	Access	Benefits	Demand/Density	System Opportunities
Non-State Contribution Index	Demand/Density	Accessibility/Connectivity	Efficiency	Safety
Benefit/Cost	Connectivity	Asset Efficiency	Cost Effectiveness	Capacity and Diversion
	Cost Effectiveness	Capacity/Congestion		Economic Competitiveness



P5.0 Scoring

Highway Scoring Criteria & Weights (Default)

Funding Category	<u>QUANTITATIVE</u>	<u>LOCAL INPUT</u>	
	Data	Division	MPO/RPO
Statewide Mobility	Congestion = 30% Benefit-Cost = 25% Freight = 25% Safety = 10% Economic Comp. = 10%	100%	--
Regional Impact	Congestion = 20% Benefit-Cost = 20% Safety = 10% Accessibility/Connectivity = 10% Freight = 10%	70%	15%
Division Needs	Congestion = 15% Benefit-Cost = 15% Safety = 10% Accessibility/Connectivity = 5% Freight = 5%	50%	25%

Note: Region(s) _____ and Division(s) _____ use Alternate Weights

Highway Scoring – Alternate Weights

Available for Regional Impact and Division Needs scoring

Requirements:

1. All MPOs/RPOs/Division Engineers unanimously agree on Alternate Weights by funding category (inaction doesn't mean non-agreement; action by TAC or Division Engineer required for disagreement)
 - Alternate Weights from P4.0 will not carry to P5.0
 - Alternate Weights can be applied within respective Paired Funding Region(s) or Division(s)
2. Memo to SPOT from each MPO/RPO/Division Engineer – reference TAC Chair(s) agreement
 - Memo must be received by **September 29th, 2017**

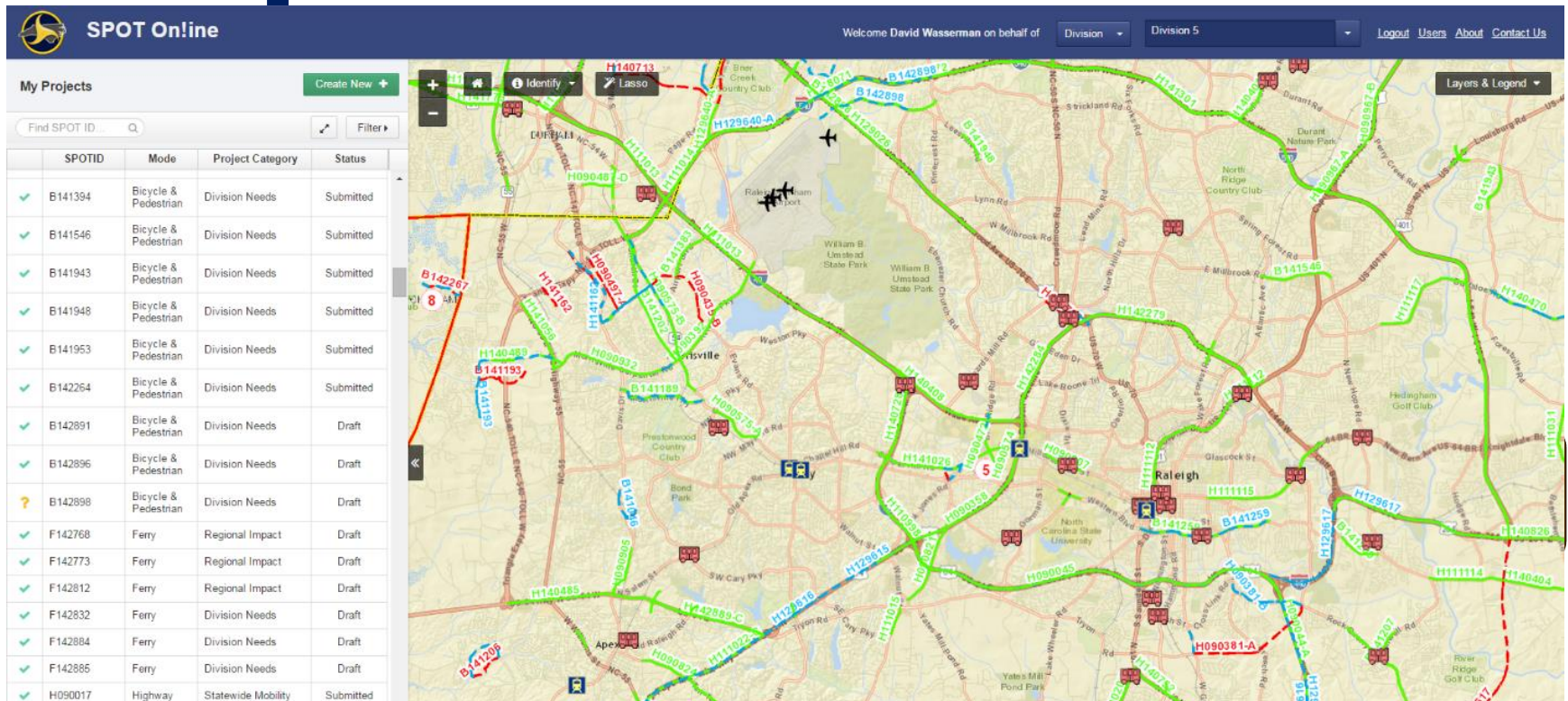


Scoring and Programming Process

Scoring Process

Projects Submitted

- Data reviewed
- Quantitative scores calculated



- Total scores calculated
- Projects programmed



P5.0 for CAPE FEAR RPO

P5.0 Projects

Committed Projects *(Not subject to P5.0)*

- Right-of-Way OR Construction date in 2018-2022 based on Final STIP (first 5 years of STIP)

Carryover Projects *(Automatically carry over from P4.0 for evaluation in P5.0)*

- Not committed in the STIP and need to be rescored

NEW Project Submittals

- **Cape Fear RPO can submit 19 New Projects for each Mode**
- Splitting Carryover Projects (modifications) count towards submittals

P5.0 Cape Fear RPO Next Steps

Determine Project Submittals (submitted July 5th – Sept 29th)

Consider Modifications & Deletions of carryover projects (due Aug 25th)

Submit Local Input Point Methodology revisions, if any (due April 1st)

Assign Local Input Points for Regional Impact projects (Spring 2018)

- **Cape Fear RPO = 1300 points**

Assign Local Input Points for Division Needs projects (Fall 2018)

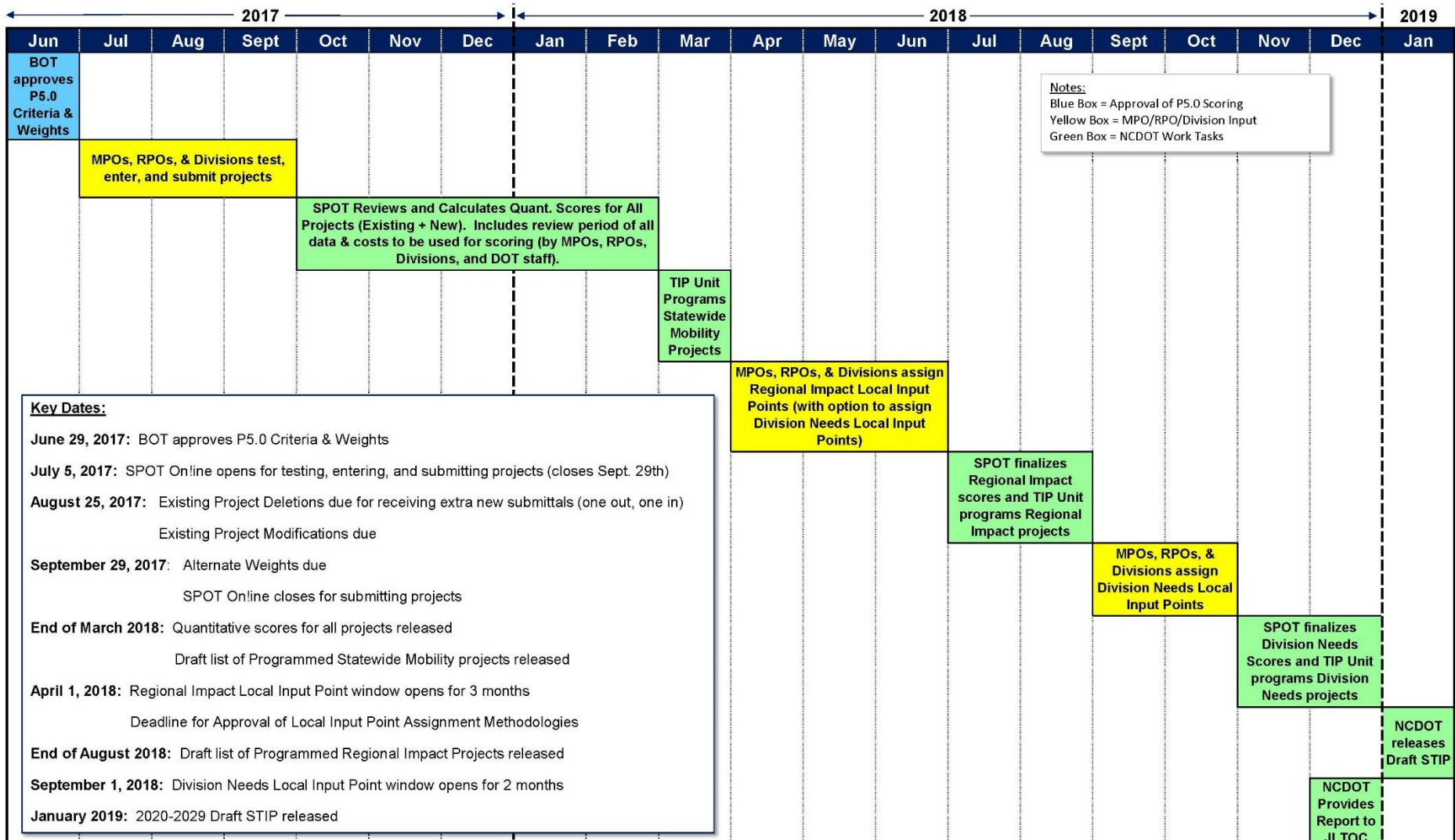
- **Cape Fear RPO = 1300 points**

Most Importantly – Continue to Work with Divisions 3 and 6

P5.0 Schedule

Prioritization 5.0 Schedule

May 23, 2017



Contact Information

STRATEGIC TRANSPORTATION INVESTMENTS

Smart decisions to keep North Carolina moving.

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