



2014 NCDOT / Contractor Joint Training Workshop

Mike Holder, P.E.
NCDOT Chief Engineer

Governor and NCDOT Focus Areas

The Three Es

Economy

Efficiency

Education

Other Important Initiatives

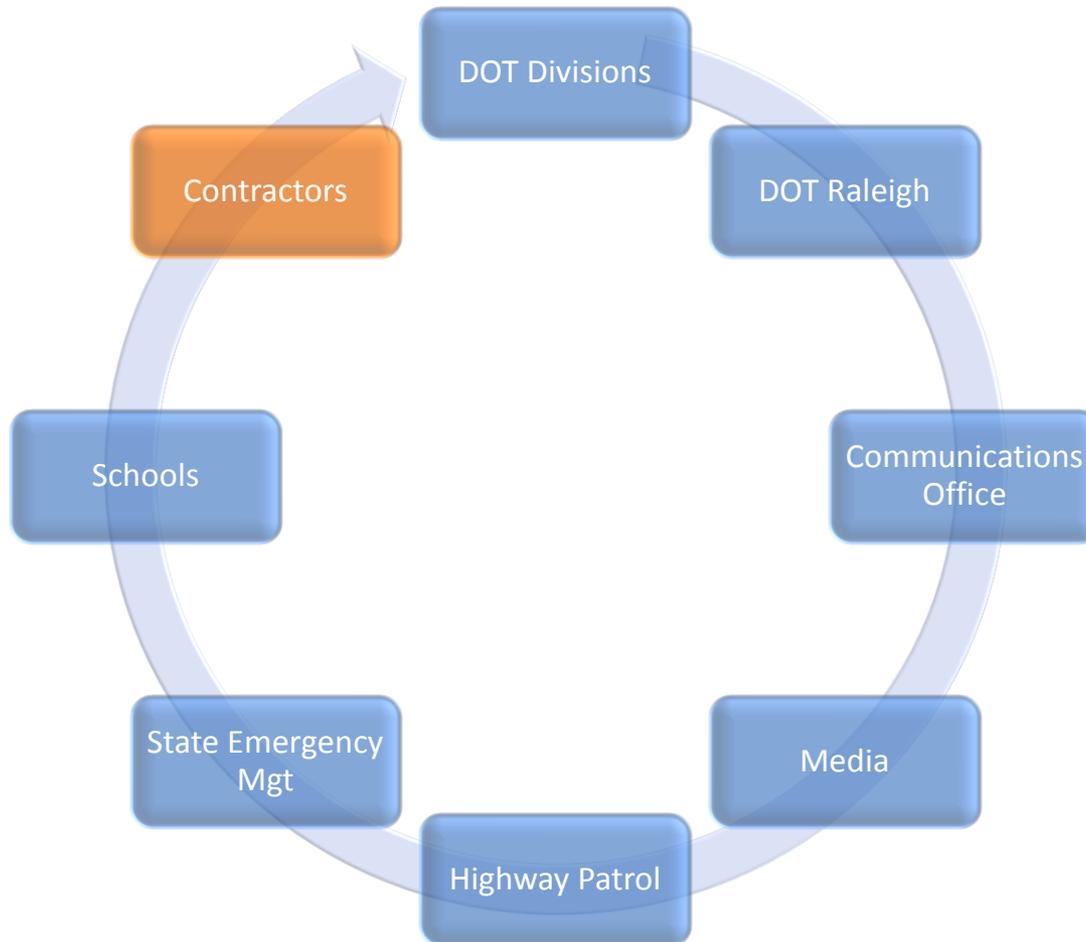
Customer
Service

Strengthening
Local
Partnerships

Aesthetics on
Projects

Communication

Partnerships for Success: Recent Winter Storm





Chowan County

Partnerships for Success: Upcoming US Open



Highway improvement projects



Landscape/beautification projects



Cleanup/equipment removal

Technology in our Partnership

iPads/Construction teamsites

- Internal use successful
- Ultimate goal: open up to contractors

2013 Accomplishments

Central

- Let 236 projects with total bid value of \$1,577,598,868

Division

- Let 450 projects with total bid value of \$238,311,392

2014 and Beyond Letting Projects

From Feb 2014 to January 2016

\$3.5 Billion



40 projects in that period greater than \$20 Million

Major Project List

MAJOR PROJECTS > \$20 MILLION SCHEDULED FOR FEBRUARY 2014 TO JANUARY 2016									
LET DATE	TIP#	WBS#	FA#	COUNTY	DIV.	DESCRIPTION	LATEST PRELIMINARY ESTIMATE		
2/18/2014	I-828	41188.3.FB1	IMS-85-1(106)3	GASTON	12	NEW I-85 NBL WEIGH STATION FROM SR 1302 (CROWDERS MOUNTAIN R	\$21,300,000		
2/18/2014	R-25198	35609.3.B2	#	YANCEY	13	US 19 EAST FROM NC 30 IN YANCEY COUNTY TO MULTI-LANE SECTION	\$58,500,000		
3/4/2014	I-5405	45454.3.PB1	CMNH-077(12)17	MECKLENBURG	10	I-77 FROM I-277 (BROOKSHIRE FREEWAY) TO I-485; COMBINED WITH	\$548,000,000	DB	
3/18/2014	I-5110, I-5110A, R-2413A, R-2413B	34429.3.B8, etc.	NHF-0073(25)	GUILFORD	7	FUTURE I-73 - FROM FOUR LANES AT SR 2011 (EDGEFIELD ROAD) TO	\$191,300,000	DB	
4/15/2014	R-2707B	34497.3.FB5	NHF-0074(107)	CLEVELAND	12	US 74 (SHELBY BYPASS) FROM EAST OF SR 1315 (PLATO LEE ROAD)	\$32,600,000		
4/15/2014	U-3615B	34962.3.FD1	STP-1820(5)	GUILFORD	7	HIGH POINT - SR 1820 (SHEET CLUB ROAD) FROM WEST OF SR 1818	\$31,800,000		
4/17/2014	U-0071	34745.3.B2	#	DURHAM	5	DURHAM - EAST END CONNECTOR FROM NORTH OF NC 98 TO NC 147 (B	\$140,700,000		
5/20/2014	U-25190B	34817.3.B8	#	CUMBERLAND	6	FAYETTEVILLE OUTER LOOP (POLY) FROM SOUTH OF SR 1400 (CLIFTON	\$125,600,000		
5/20/2014	U-2525B	34821.3.B6	#	GUILFORD	7	GREENSBORO EASTERN LOOP FROM NORTH OF US 70 TO US 29 NORTH O	\$114,100,000		
6/17/2014	R-2514B	34442		ONSLOW, JONES	3	US 17 SOUTH OF BELGRADE TO NORTH OF MAYSVILLE	\$35,100,000	DB	
6/17/2014	X-00020C	35196.3.FB22	NHF-0100(23)	CUMBERLAND	6	FAYETTEVILLE OUTER LOOP FROM EAST OF SR 1007 (ALL AMERICAN F	\$24,100,000		
8/19/2014	R-2536AA	34450.3.FR2	STPNHF-0064(171)	RANDOLPH	8	US 64 (ASHEBORO SOUTHERN BYPASS) FROM EXISTING US 64 WEST OF	\$55,000,000	DB	
8/19/2014	R-2536AB	34450.3.FB3	STPNHF-0064(172)	RANDOLPH	8	US 64 (ASHEBORO SOUTHERN BYPASS) FROM NORTH OF NC 49 TO WEST	\$58,400,000	DB	
8/19/2014	R-2536B	34450.3.FB4	STPNHF-0064(107)	RANDOLPH	8	US 64 (ASHEBORO SOUTHERN BYPASS) FROM WEST OF I-73-74/US 22	\$84,000,000	DB	
8/19/2014	R-2536C	34450.3.FB5	NHF-0064(159)	RANDOLPH	8	US 64 (ASHEBORO SOUTHERN BYPASS) FROM NORTH OF SR 2834 (OLD	\$59,600,000	DB	
8/19/2014	R-2536D	34450.3.FD6	#	RANDOLPH	8	200 CONNECTOR FROM EAST OF SR 2839 (STALEYS FARM ROAD) TO I-85	\$38,000,000	DB	
10/21/2014	U-2579B	34839.3.GV94	NHF-0918(93)	FORSYTH	9	WINSTON-SALEM NORTHERN BELTWAY (EASTERN SECTION) FROM I-40 B	\$170,900,000		
11/18/2014	R-0623	34352.2.2	#	MONTGOMERY	8	NC 24-27 TROY BYP FROM SR 118 (DAIRY RD) TO EAST OF LITTLE	\$49,400,000		
11/18/2014	U-3465	39017.3.FD1	STP-1121(59)	HARNETT	6	SR 1121 (RAY ROAD) FROM NC 210 TO SR 1120 (OVERHILLS ROAD)	\$21,600,000		
12/16/2014	U-3315	35781.3.FD1	STP-0220(72)	PITT	2	GREENVILLE - STANTONBURG RD-TENTH STREET CONNECTOR FROM MEM	\$23,300,000		
2/17/2015	I-0914BA	38688.3.FB2	IMS-085-4(116)215	WARREN	5	I-85 FROM SOUTH OF US 158 IN YANCEY COUNTY TO NORTH OF SR 123	\$75,900,000		
2/17/2015	I-0914BB	38688.3.FB3	IMS-085-4(117)204	WARREN	5	I-85 FROM NORTH OF SR 1237 (MANSON ROAD) TO THE VERMONT STA	\$57,300,000		
2/17/2015	R-2915D	34518.3.FR4	STP-0221(42)	ASHE	11	US 221 FROM SOUTH OF NC 194 TO US 221 BYP	\$23,500,000		
4/21/2015	U-3308	34915.3.1	#	DURHAM	5	DURHAM - NC 55 (ALSTON AVENUE) FROM NC 147 (I. L. "BUCK" DEA	\$28,200,000		
6/16/2015	R-2514C	34442.3.B5	#	JONES	2	US 17 FROM NORTH OF MAYSVILLE TO NORTH OF NC 58	\$33,000,000		
6/16/2015	R-2514D	34442.3.B6	#	JONES	2	US 17 FROM NORTH OF NC 58 TO THE NEW BERN BYPASS	\$74,900,000		
6/16/2015	R-2915A	34518.3.1	STP-0221(39)	WATAUGA	11	US 221 FROM US 421 IN WATAUGA COUNTY TO SR 1003 (DUNWILD RD	\$25,600,000		
6/16/2015	R-2915B	34518.3.2	STP-0221(40)	ASHE	11	US 221 FROM SR 1003 (DUNWILD RD) TO NORTH OF SOUTH FORK NEW	\$21,300,000		
6/16/2015	R-225DA	34411.3.FR2	#	PITT	2	NC 11-903 (GREENVILLE SOUTHWEST BYPASS) FROM SOUTH OF OLD NC	\$27,500,000	DB	
6/16/2015	R-2250B	34411.3.FR3	#	PITT	2	NC 11-903 (GREENVILLE SOUTHWEST BYPASS) FROM SOUTH OF NC 102	\$52,100,000	DB	
6/16/2015	R-2250C	34411.3.FR4	#	PITT	2	NC 11-903 (GREENVILLE SOUTHWEST BYPASS) FROM SOUTH OF I-85	\$94,900,000	DB	
6/16/2015	U-3301	34909.2.2	#	BUNCOMBE	13	NC 83 (LEICESTER HIGHWAY) NW ASHEVILLE, FROM SR 1615 (GILBER	\$22,100,000	DB	
10/20/2015	R-2545B	35492.3.4	#	TYRRELL	1	FROM EAST OF COLUMBIA TO WEST OF SR 1225 (OLD US 64) AT ALL	\$206,200,000	DB	
12/15/2015	I-906	38696.3.1	IMS-040-2(155)131	CATAWBA	12	I-40 FROM SR 1484 (4TH AVE) IN CONOVER TO SR 1717 (EXT 138)	\$42,500,000		
FEBRUARY 2014 TO JANUARY 2016							TOTAL COST ESTIMATE FOR PROJECTS > \$20 MIL	\$2,876,806,000	

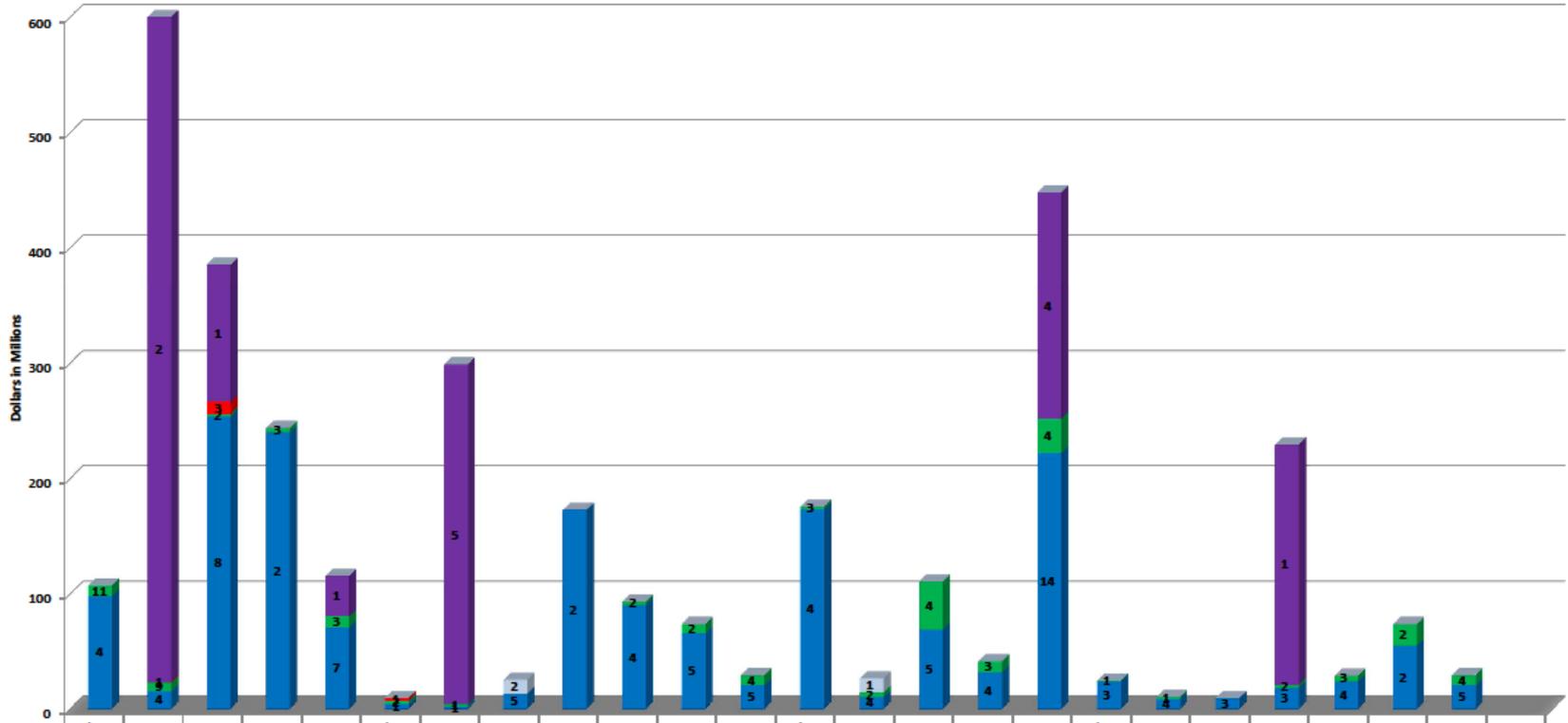
BRIDGE PROJECTS > \$10 MILLION SCHEDULED FOR FEBRUARY 2014 TO JANUARY 2016									
LET DATE	TIP#	WBS#	FA#	COUNTY	DIV.	DESCRIPTION	LATEST PRELIMINARY ESTIMATE		
4/30/2014	B-2500B	32635.3.FR7	BRNHF-0012(56)	DARE	1	RODANTE ON NC 12 LONG-TERM IMPROVEMENTS (PHASE II)	\$119,000,000	DB	
4/21/2015	B-4565	33773.3.1	BRSTP-70B(5)	LENOIR	2	BRIDGES 42, 43, 26 & 28 OVER THE NEUSE RIVER AND OVERFLOW ON	\$14,000,000		
4/21/2015	B-4722B	38496.3.1	BRNH-0070(84)	CARTERET	2	REPLACE BRIDGE 33 OVER NORTH RIVER ON US 70	\$11,500,000		
4/21/2015	B-5136	42296.3.1	BRSTP-0029(43)	CABARRUS	10	REPLACE BRIDGE 66 AND 69 OVER THE NORFOLK SOUTHERN RAILROAD	\$11,000,000		
6/16/2015	B-3159	38331.3.1	STPNHF-0052(107)	DAVIDSON	9	REPLACE BRIDGE 29 OVER US 29-64-70-95 BUSINESS LOOP ON US	\$21,700,000		
12/15/2015	B-4490	33727.3.FB1	BRNH-0024(24)	CUMBERLAND	6	REPLACE BRIDGE 116 OVER CSX RR, NORTH SOUTH RR, & HILLSBORO	\$18,000,000		
FEBRUARY 2014 TO JANUARY 2016							TOTAL COST ESTIMATE FOR BRIDGES > \$10 MIL	\$186,200,000	

76 - BRIDGES AFFECTED BY 67 TIP BRIDGE PROJECTS

47 - BRIDGES AFFECTED BY 5 (17 BP, BK, BP) BRIDGE PRESERVATION PROJECTS

24 MONTH TOTALS FOR FEBRUARY 2014 TO JANUARY 2016 = \$3,525,305,000

NCDOT 24 Month Tentative Let List Totals in Millions



	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-15	TOTAL	
TOTAL	\$107.2	\$763.0	\$385.3	\$243.8	\$115.4	\$9.7	\$298.8	\$25.1	\$172.7	\$93.2	\$73.6	\$29.5	\$175.6	\$26.4	\$110.6	\$41.4	\$448.3	\$24.6	\$10.6	\$9.5	\$229.3	\$28.9	\$73.7	\$29.5	\$3,525.	
ARRA Rail	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.7	0.0	0.0	0.0	0.0	0.0	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$23.6
DB Express	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0.0
Design Build	0.0	739.3	119.0	0.0	35.1	0.0	295.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	196.6	0.0	0.0	0.0	208.2	0.0	0.0	0.0	0.0	\$1,593.
17BP, etc.	0.0	0.9	10.8	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$14.5
TIP Bridge Replacement	9.4	7.5	1.7	4.1	9.6	2.9	1.5	0.0	0.0	3.0	7.9	9.0	2.3	4.2	41.7	9.7	29.5	0.6	2.1	0.0	2.5	4.8	18.8	9.0	0.0	\$181.5
TIP	97.8	15.3	253.8	239.7	70.7	4.0	2.3	13.4	172.7	90.2	65.7	20.5	173.3	10.3	68.9	31.7	222.2	24.0	8.6	9.5	18.6	24.1	54.9	20.5	0.0	\$1,712.

The number on the bar chart represents the number of projects included in each category.

Other 2013 Accomplishments

STI

- House Bill 817 titled “Strategic Transportation Investments” was signed into law

CDLs for Military

- House Bill 322 allows DMV to waive CDL skills test for veterans who have passed military test.

PIP

- Began construction of Piedmont Improvement Program.

2014 Focus Areas

STI Implementation in preparation for new formula to take effect July 1, 2015

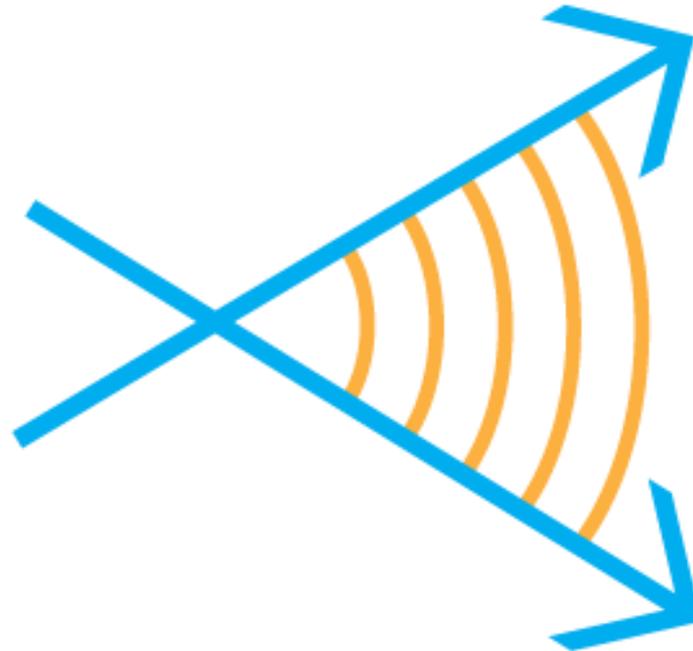
Develop 25-year vision – “Moving People and Moving Products”

Identify new transportation revenue sources

Strategic Transportation Investments

Increased population + 1.3m
= Infrastructure need

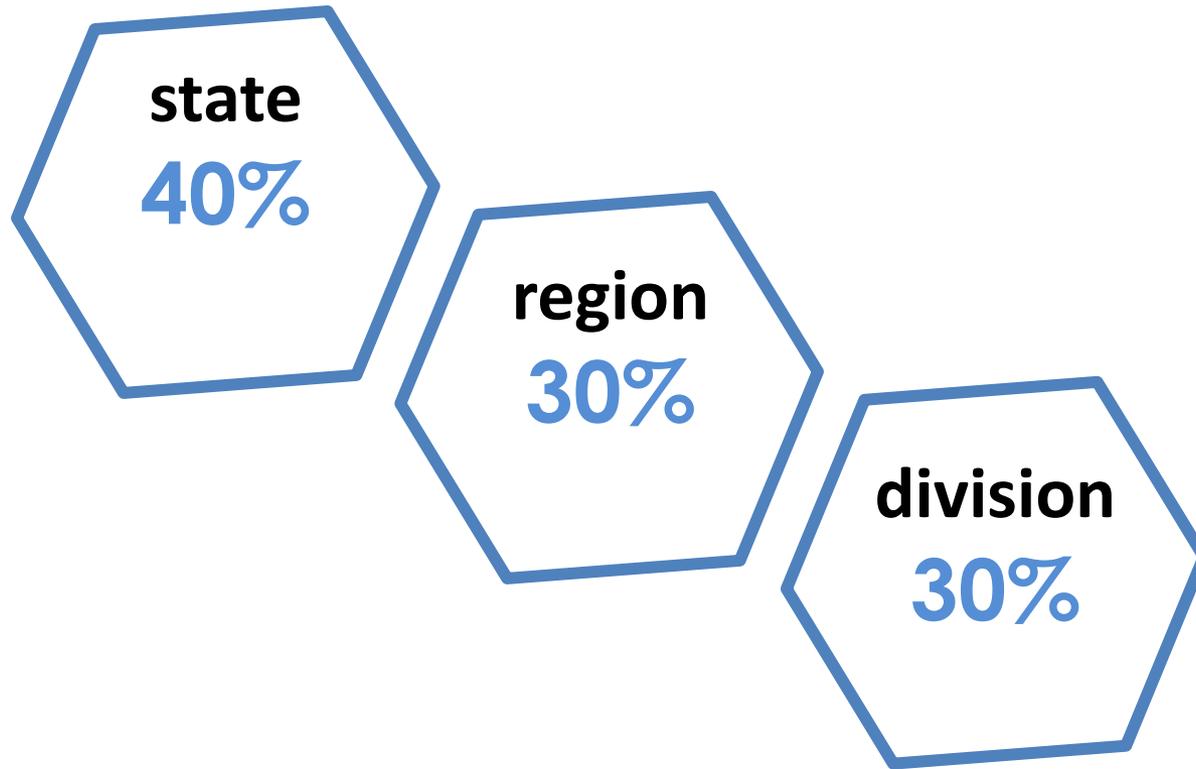
problem



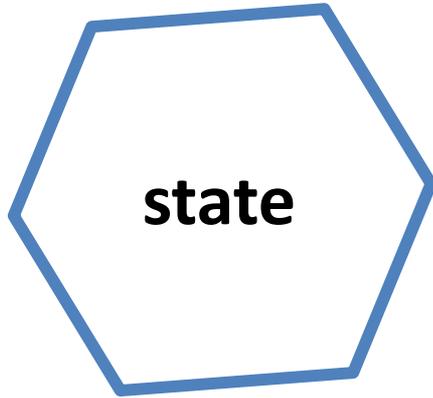
Infrastructure gap.
Decline in businesses and jobs.

Decreased
Revenue projections - \$1.7b
MFT, DMV, Highway

2013-2023

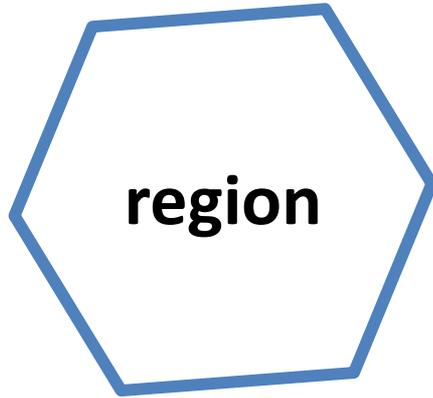


strategically invest resources to ensure state, regional, and local priorities are met



**40% of revenue or
\$6 billion statewide
(over 10 years)**

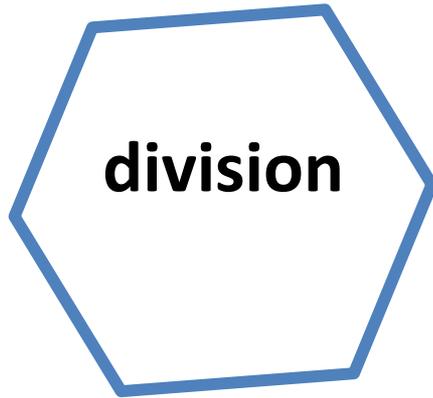
- **Address statewide and regionally significant congestion/bottlenecks**
 - Statewide and regional tier ONLY
 - All modes compete (hwy and non-hwy projects)
- **100% data driven**
 - Benefit-cost (*reduced travel time /project costs*)
 - Existing congestion
 - Economic competitiveness
 - Freight
 - Multi-modal



30% of revenue or

**\$4.5 billion over
all regions
(over 10 years)**

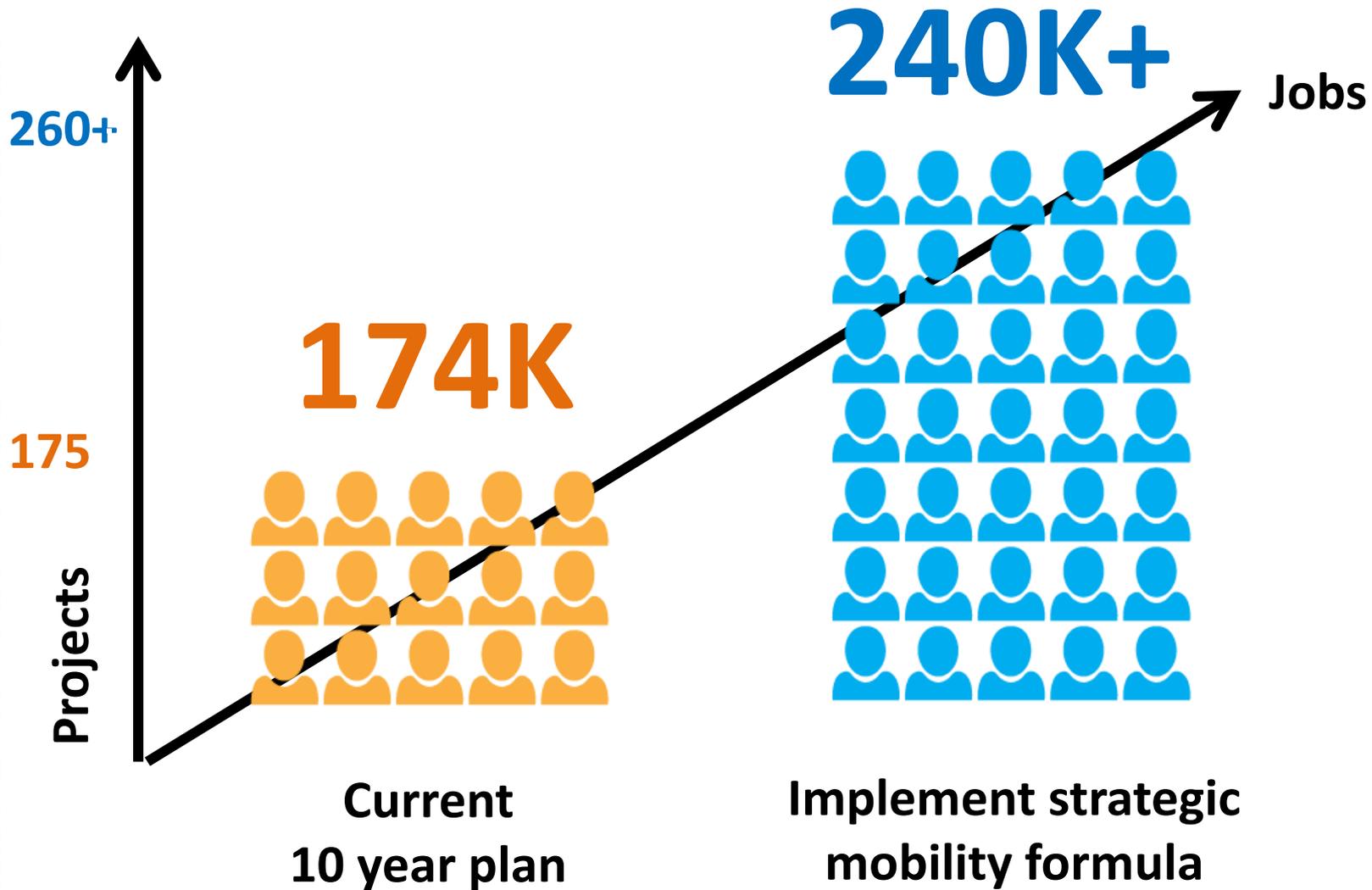
- **Address projects with regionally significant impact**
 - Statewide and regional tiers
 - Paired divisions: (1&4), (2&3), (5&6), (7&9), (8&10), (11&12), (13&14)
 - All modes compete
- **70% data; 30% local ranking**
 - Benefit-cost
 - Connectivity (jobs, healthcare, education, recreation ctrs.)
 - Congestion
 - Safety



Equal share over 14 divisions.

- **Address localized congestion & safety concerns**
 - All tiers
 - All modes compete
- **50% data; 50% local ranking**
 - Benefit-cost
 - Connectivity
 - Shoulder width
 - Safety

strategic mobility formula



Tools to Help Continue a Strong Letting Program

Alternate financing to include tolls, GARVEE bonds, and private-public partnerships

Design build for better innovation and expedited delivery time.

Strategic state funded programs similar to the ongoing Bridge Improvement Program.

Challenges

1.3 million population growth in NC over next 10 years.

Over the same period current revenue sources will generate \$1.7 billion less.

Public perception and political will for changing revenue sources will require education by NCDOT and our partners.

FUNDING TRIVIA

Each 1 cent of motor fuel tax represents what cost per year to a driver?

\$7.50 / Year

Each 1 cent of motor fuel tax represents what funding per year for NCDOT projects?

\$50 M / Year

1% change in overall consumption of fuel represents what funding change to NCDOT projects?

\$20 M / Year