

Transportation Staff Meeting

April 16, 2014
2:00 PM
CMGC-Room 601

AGENDA

1. **Thoroughfare Plan Amendment-Mt. Holly North Loop** (Cook)

Description:

The purpose of this discussion will be to determine the level of public involvement necessary to remove this project from the Thoroughfare Plan.

The Mt. Holly North Loop is a proposed extension of Mt. Holly Road in northwest Charlotte that includes a new crossing of the Catawba River into Gaston County. It is on CRTPO's Thoroughfare Plan and is proposed to be a part of the CTP. After crossing the river, it becomes a part of what is known as the Belmont-Mt. Holly Loop on the Gaston-Cleveland-Lincoln MPO's (GCLMPO) Comprehensive Transportation Plan.

This topic was first discussed at the December 4, 2013 Transportation Staff meeting. At that time, the GCLMPO staff discussed the City of Mt. Holly's opposition to the project and the MPO's intent to remove its portion of the project from its CTP. Local staff determined that, in light of the action proposed by the GCLMPO, there was no need to keep the project on the CRTPO Thoroughfare Plan.

2. **Prioritization 3.0-Review Recently-Released SPOT Scores** (Burke)

Description:

A review of the CRTPO transmittal to NCDOT-SPOT office regarding the project cost differences between the 2040 MTP and NCDOT generated scores in P3.0 will be conducted.

Attachments: Project lists and correspondence with SPOT staff.

Phone Access Number: 704-432-5485

Go To Meeting Access: <https://global.gotomeeting.com/join/280957005>



April 14, 2014

Don Voelker
Director of the Prioritization Office
North Carolina Department of Transportation
1501 Mail Service Center
Raleigh, NC 27699-1501

SUBJECT: Review of Initial P3.0 Data for legacy projects

Dear Mr. Voelker:

The CRTPO has completed an initial review of the inputs and cost estimates from the 3/31/2014 release of the initial scores for legacy SPOT projects.

In a review of the project inputs, we noticed that the project descriptions for H090962-A and H090962-B are switched and do not properly match the project limits. This may have some impact on the cost estimates that were generated for these projects.

We used the cost estimates that were prepared from CRTPO's 2040 Metropolitan Transportation Plan, and we found several projects that had variations in cost the SPOT-generated cost estimates.

In our review of the cost estimate data, we found nine statewide tier, 19 regional tier, and 22 division tier projects that had at least a 10% variance between the SPOT and 2040 MTP cost estimates. Enclosed within this letter, please find three spreadsheets that highlight the projects with significant (+/- 10%) cost differences that we would like to make you aware of.

Please contact Neil Burke at (704) 353-0198 or nburke@charlottenc.gov with any questions that you have regarding these projects.

Sincerely,

A handwritten signature in black ink that reads "Robert W. Cook". The signature is written in a cursive, flowing style.

Robert W. Cook, AICP
Secretary
Charlotte Regional Transportation Planning Organization

Enc: Statewide, Regional, Division Cost Estimate Differential Spreadsheets

Cc: Alpesh Patel, NCDOT Prioritization Office
David Wasserman, PE, NCDOT Prioritization Office

CRTPO STATEWIDE TIER PROJECTS
SPOT/2040 MTP Cost Differentials of at least 10%
EXISTING P3.0 LEGACY PROJECTS

SPOT ID	Project Category	Route	From / Cross Street	To	Cost to NCDOT	CRTPO MTP Cost Estimate (2012 Dollars)	SPOT vs. CRTPO Project Cost Difference
H090593	Statewide Mobility	SR-5901 Billy Graham Parkway	NC 160 (West Boulevard)		\$ 8,370,000	\$ 12,680,000	51%
H090036-C	Statewide Mobility	I-77	NC 115/US 21	I-40	\$ 237,500,000	\$ 315,144,000	33%
H090036-B	Statewide Mobility	I-77	NC 150	NC 115/US 21	\$ 116,900,000	\$ 153,590,000	31%
H111190	Statewide Mobility	US-74	Hanover Drive	SR 1007 (Rocky River Road)	\$ 21,546,000	\$ 27,804,000	29%
H111182	Statewide Mobility	I-77	NC 150		\$ 6,670,000	\$ 8,600,000	29%
H090962-A	Statewide Mobility	US-74 Independence Boulevard	I-485	Sardis Road North	\$ 109,151,000	\$ 136,078,000	25%
H090962-B	Statewide Mobility	US-74 Independence Boulevard	Sardis Road North	Conference Drive	\$ 150,329,000	\$ 114,588,000	-24%
H111280	Statewide Mobility	NC-49	John Kirk Dr	I-485	\$ 75,993,000	\$ 25,283,000	-67%
H111180	Statewide Mobility	SR-5901 Billy Graham Parkway	Morris Field Drive		\$ 11,315,000	\$ 2,717,000	-76%

CRTPO Regional Tier Projects
SPOT/2040 MTP Cost Differentials of at least 10%
Existing P3.0 Legacy Project

SPOT ID	Project Category	Route	From / Cross Street	To	Cost to NCDOT	CRTPO Cost Estimate (2012 Dollars)	SPOT vs. CRTPO Project Cost Difference
H090455-A	Regional Impact	US-601	Existing US 74	Proposed Monroe Bypass (R-2559)	\$ 18,806,000	\$ 51,853,000	176%
H090624-B	Regional Impact	US-21 Statesville Road	SR 2147 (Westmoreland Road)	SR 5444 (Catawba Avenue)	\$ 11,588,000	\$ 30,664,000	165%
H090624-A	Regional Impact	US-21 Statesville Road	Northcross Center Court	SR 2147 (Westmoreland Road)	\$ 9,494,000	\$ 23,573,000	148%
H111177	Regional Impact	US-21	NC 24 (Harris Boulevard)	SR 2136 (Gilead Road)	\$ 36,615,000	\$ 48,495,000	32%
H090179-AB	Regional Impact	NC-73	NC 115	SR 2693 (Davidson-Concord Road)	\$ 19,457,000	\$ 24,633,000	27%
H090492	Regional Impact	US-64 Garner Bagnel Road, US-70	I-40	I-77	\$ 31,731,000	\$ 39,771,000	25%
H090418-B	Regional Impact	NC-84 New Route - Rea Road Extension	NC 16	12 Mile Creek Road	\$ 8,300,000	\$ 20,521,000	21%
H090418-A	Regional Impact	NC-84 New Route - Rea Road Extension	NC 16	12 Mile Creek Road	\$ 8,600,000	\$ 20,521,000	21%
H111192	Regional Impact	Eastern Circumferencial/New Route	SR 3150 (Idlewild Road)	US 74	\$ 23,519,000	\$ 27,203,000	16%
H111186	Regional Impact	US-21	SR 2136 (Gilead Road)	Holly Point Drive	\$ 19,558,000	\$ 22,574,000	15%
H090928	Regional Impact	NC-75 New Route - Waxhaw Bypass	NC 75	NC 75	\$ 53,464,000	\$ 42,653,000	-20%
H090511	Regional Impact	NC-51	Matthews Township Parkway	SR 3128 (Lawyers Road)	\$ 47,363,000	\$ 34,904,000	-26%
H090418-C	Regional Impact	NC-84 Weddington Road	12 Mile Creek Road	SR 1008 (Indian Trail-Waxhaw Road)	\$ 14,800,000	\$ 10,800,000	-27%
H090084-B	Regional Impact	NC-150	SR 1902 (Harvel Road) in Catawba County	Perth Road in Iredell County	\$ 59,200,000	\$ 33,647,000	-43%
H111172-A	Regional Impact	NC-160	South Carolina State Line	NC 49 (South Tryon Road)	\$ 51,376,000	\$ 24,884,000	-52%
H090084-C	Regional Impact	NC-150	Perth Road in Iredell County	I-77	\$ 55,881,000	\$ 24,512,000	-56%
H111169	Regional Impact	NC-115	Washam Potts Road	Potts Street	\$ 20,410,000	\$ 8,087,000	-60%
H111172-B	Regional Impact	NC-160	NC 49 (South Tryon Road)	SR 1116 (Shopton Road)	\$ 134,197,000	\$ 39,447,000	-71%
H090185-A	Regional Impact	NC-73	Business NC 16 Lincoln County	Vance Road Extension / Beatties Ford Road	\$ 292,443,000	\$ 44,382,000	-85%
H090185-B	Regional Impact	NC-73	Vance Road Extension / Beatties Ford Road	SR 5544 (West Catawba Avenue) in Mecklenburg County	\$ 250,371,000	\$ 17,149,000	-93%

CRTPO DIVISION TIER PROJECTS
SPOT/2040 MTP Cost Differentials of at least 10%
EXISTING P3.0 LEGACY PROJECTS

SPOT ID	Project Category	TIP	Route	From / Cross Street	To	Cost to NCDOT	CRTPO Cost Estimate (2012 Dollars)	SPOT vs. CRTPO Project Cost Difference
H111174	Division Needs		Murdock Road (SR-2350)	US 21	SR 2342 (Amity Hill Road)	\$ 6,726,000	\$ 23,654,000	252%
H090320	Division Needs	U-0213	SR-1009 Charlotte Avenue	CSX Railroad	Concord Avenue	\$ 12,679,000	\$ 41,229,000	225%
H090344	Division Needs	U-2549	- New Route - Monroe Northern Loop	US 74	SR 1751 (Walkup Avenue) at SR 1763 (Bivens Road)	\$ 19,225,000	\$ 55,295,000	188%
H129650-EC	Division Needs	R-211 EC	I-485 Charlotte Outer Loop	New interchange at Weddington Road		\$ 20,000,000	\$ 39,250,000	96%
H111173	Division Needs		SR-1246	SR 1206 (Alcove Road)	Fairview Rd. (SR 1246)	\$ 3,210,000	\$ 6,098,000	90%
H129682	Division Needs		SR-3448 South Trade Street	Fullwood Lane	Weddington Road	\$ 4,689,000	\$ 6,788,000	45%
H111240	Division Needs		East-West Connector	SR 1102 (Langtree Road)	Shearers Rd. (SR 1125)	\$ 35,658,000	\$ 43,652,000	22%
H090484-C	Division Needs	U-4714C	SR-1009 John Street/Old Monroe Road, SR-1010	SR 1008 (Indian Trail Road)	SR 1377 (Wesley Chapel-Stouts Road)	\$ 21,400,000	\$ 25,232,000	18%
H111238	Division Needs		Cornelius Rd (SR-1302)	SR 1303 (Perth Road)	US 21	\$ 30,183,000	\$ 35,534,000	18%
H090698	Division Needs		New Route (Lawyers Road)	NC 205	Old Lawyers	\$ 5,793,000	\$ 6,662,000	15%
H090483-A	Division Needs	U-4713A	SR-3440 New Route - McKee Road Extension	SR 3448 (Pleasant Plains Road)	SR 1009 (John Street)	\$ 6,800,000	\$ 7,777,000	14%
H090265-C	Division Needs	R-3833C	SR-1100 Brawley School Road	SR 1116 (Talbert Road)	US 21	\$ 8,010,000	\$ 9,066,000	13%
H090697	Division Needs		- Lawyers Road	Old Laywers Road	Lawyers Road	\$ 4,139,000	\$ 4,663,000	13%
H111175	Division Needs		SR-1349 Airport Road	SR 1162 (Goldmine Road)	NC 84	\$ 12,400,000	\$ 10,410,000	-16%
H111188	Division Needs		Church Street Extension	SR 2427 (Mccord Road)	SR 2433 (Mayes Road)	\$ 10,644,000	\$ 8,727,000	-18%
H090484-A	Division Needs	U-4714A	SR-1009 John Street/Old Monroe Road, SR-1010	SR 3448 / SR 3474 (Trade Street)	I-485	\$ 17,400,000	\$ 12,462,000	-28%
H090343	Division Needs	U-2547	SR-2188 Charles Street	SR 2181 (Sunset Drive)	SR 2100 (Franklin Street)	\$ 9,788,000	\$ 6,991,000	-29%
H090434	Division Needs	U-3619	- New Route - Secrest Avenue Extension	SR 1751 (Walkup Avenue)	SR 1006 (Olive Branch Road)	\$ 26,329,000	\$ 14,067,000	-47%
H090312-A	Division Needs	R-5100	SR-1109 Williamson Road	NC 150	SR 1100 (Brawley School Road)	\$ 10,280,000	\$ 4,919,000	-52%
H090705	Division Needs		- New Route - Stegall Road Extension	Marshville Olive Branch	Peachland Street	\$ 4,395,000	\$ 2,029,000	-54%
H090592	Division Needs		- Gilead Road	US 21 (Statesville Road)	NC 115	\$ 14,060,000	\$ 6,139,000	-56%
H090502	Division Needs	U-4913	- Idlewild Road	I-485	SR 1524 (Stevens Mill Road)	\$ 24,224,000	\$ 7,088,000	-71%