

Statewide Corridor Study Program

Status Update to GACIT

June 28, 2023

Background

The 2019-2028 NH Ten Year plan introduced a new program intended to address many of the comments re: systemic issues and project needs along the state's transportation network. Specifically, the program was intended to provide an opportunity for NHDOT to take a comprehensive look at the system on a corridor wide basis.

To accomplish this, the Ten-Year Plan re-allocated \$700,000 per year from the Congestion Mitigation and Air Quality (CMAQ) program to fund 10 years of the Corridor Study program. At the time, NHDOT estimated that the funds programmed would fund approximately 2 corridor study efforts per year.

Progress-to-Date

NHDOT entered into a contract with Howard Stein Hudson (HSH) in late 2022 to complete the following tasks:

- Define what a corridor is for purposes of this Corridor Study Program (*draft complete*)
- Develop a process to evaluate and rank corridors on a priority basis (*initial draft list completed*)
- Develop corridor studies for the ranked corridors within available funding limits of the program and contract. (*not started*)

Total value of that contract is \$1.5M

- Initial work valued at \$121,856.67
- Remaining ~\$1.4M will be focused on developing corridor studies and accompanying public processes.
- Initial estimates for the NH Corridor Study Program were:
 - Corridor studies \$350K per study.
 - Assumed 2 studies/year @ \$700K.
 - HSH contract has potential for 4 corridor studies.
 - Potential for more as some CS will be less expensive than others.

Non-Tier 1 routes have been broken into 85 distinct corridors. *

- Not all corridors will have 'standalone' corridor plans developed. For example – NH 175 could be addressed as part of US 3, as can NH 49.

* Tier 1 roadways are not included in the corridor study program. Tier 1 roadways include the TPK system and Interstate highways as well as a portion of NH 101. These roadways are limited access and are planned/maintained with alternate funding sources. These routes will be addressed where they interact with other corridors (on ramps, intersections, etc.)

Next steps:

- NHDOT steering committee has met to review/discuss and make recommendations (5/9).
- Discussed with the RPCs (6/23).
- Revisions based on comments before going out to TAC and Policy Committees for additional input before finalizing (July/August 2023).
- Scope Corridor Study #1 (August 2023)

Draft Criteria

- System Preservation (20%) – considering needs of system designated for highest use as a higher priority.
 - NH Tiers (15%)
 - Traffic volumes (5%)
- Mobility (20%) – identifying areas seeing fastest growth in use/designated for additional alt. transport options.
 - Traffic growth (5%)
 - Access permit growth (5%)
 - Desired Bike facility (5%)
 - BLTS (5)
- Physical Road Attributes (20%) – opportunities to utilize existing ROW
 - Roadway lanes (10%)
 - Multimodal space (10%)
- Safety (25%)
 - Equivalent Property Damage Only – a standard methodology to evaluate crash severity and compare.
- Socioeconomic (15%)
 - Population Density (5%)
 - Population change (5%)
 - Poverty rate (2.5%)
 - ESL/non-English population (2.5%) – the BIL places additional emphasis on ensuring that transportation impacts are not disproportionately placed on socially/economically disadvantaged populations.

How did the Corridors identify in prior TYP rounds rank in the first draft?

Corridor	Top 10	Top 25	Top 40
NH 114	X		
NH 16*		X	
NH 125		X	
US 4		X	
US 9	X		
NH 101*	X		
NH 155			X
US 3*	X		
NH 108		X	

Initial Corridor Study Priorities

28-Jun-23

DRAFT Priority	Corridor	Total Score
1	NH 114	77.75
2	NH 101	77
3	NH 28	76.25
4	US 3	76.25
5	NH 121	73.25
6	NH 16	73
7	NH 10	72.5
8	NH 11	72.5
9	NH 9	72.25
10	NH 111	71.5
11	US 202	70.75
12	NH 107	70.5
13	US 302	70.25
14	NH 130	70
15	US 4	69.75
16	NH 12	69.5
17	NH 108	69
18	NH 13	68.5
19	US 1	67.75
20	NH 124	67.5
21	NH 103	67.25
22	NH 106	66.25
23	NH 102	66
24	NH 25	65.69
25	NH 125	65.5
26	NH 112	65.3
27	NH 27	63.5
28	NH 33	61.42
29	NH 123	59.75
30	NH 18	59.11
31	NH 128	57.7
32	NH 38	57
33	NH 155	56.16
34	NH 109	55.5
35	NH 119	54.96
36	NH 153	54.75
37	NH 31	53.66
38	NH 120	52.55
39	NH 104	51.96
40	NH 149	51.59
41	NH 135	51.25
42	NH 140	51.08
43	NH 127	50.86

DRAFT Priority	Corridor	Total Score
44	NH 77	50.51
45	NH 113	49.92
46	NH 116	48.37
47	NH 75	47.93
48	US 2	47.89
49	NH 152	47.37
50	NH 122	47
51	NH 85	46.99
52	NH 286	46.47
53	NH 4	45.83
54	NH 115	43.11
55	NH 49	42.42
56	NH 132	42.17
57	NH 118	40.8
58	NH 236	40.67
59	NH 110	40.5
60	NH 26	40.49
61	NH 21	40.46
62	NH 43	40.21
63	NH 126	39.9
64	NH 136	39.5
65	NH 63	38.57
66	NH 137	38.44
67	NH 151	38.37
68	NH 97	36.82
69	NH 175	35.62
70	NH 171	34.55
71	NH 142	33.51
72	NH 32	33.26
73	NH 88	33.07
74	NH 87	32.8
75	NH 145	31.96
76	NH 129	31.32
77	NH 117	31.02
78	NH 156	30.31
79	NH 78	30.29
80	NH 47	28.28
81	NH 41	26.76
82	NH 45	26.57
83	NH 150	21.95
84	NH 84	21.43
85	NH 141	19.5