

AGENDA
NCDOT / ACEC-NC / CAGC ALTERNATIVE DELIVERY SUBCOMMITTEE

Date: August 13, 2024, at 1:00 p.m.

Location: **In Person:** Century Center Bld. A – Technical Services Conference Room Col. C11
(Cap. 20)
Virtual: MS Teams

- I. Welcome and Introductions (Tim)
- II. NCDOT / NCTA Items (Tim)
 - 1. Announcements
Liam Shannon promotion – Eastern Region
New State Bridge Construction Engineer (Aaron Earwood), with 4 regional bridge engineers
 - 2. NCDOT Updates
 - 3. NCDOT Updates
 - a. ORD Update
Vasim (Roadway) – Geotech is struggling, there are several units still not ready to make the switch. Waiting for OPENGROUNDS. NCDOT to provide ORD summary.
ACEC Subcommittee requests that a projects status (to be designed in ORD or not) is to be added to the anticipated design-build list
 - b. I-85 Update (I-5719B/U-5800; I-5719C; I-5719A/U-6044)
Break into 3 projects; 2 widening projects, 1 rail bridge project. B (widening) project advertisement in September, C (rail) project in October as CMGC. A project will advertise in 2028. If contractor wins CMGC contract, you will not be precluded from pursuing the other sections. Not planning on using O&R for the A & B sections of the project. If there are funding constraints when time to advertise the A section, O&R may be included in the RFP. They intend to have the same engineer for all four of the railroad bridges – 3 are on the CMGC, one is on the B Section. Will add the Groves St. bridge to the CMGC project.
 - c. I-5719 CMGC / I-5719A Participation
Leaning towards allowing the C winner to bid on the A project.
 - d. Prevailing Wage Rate Survey
NCDOT looking for participation from AGC. Survey closes August 20. Request data be turned in on Excel Spreadsheet. Can be any projects (State or Federally funded or private) that's done to include wage classifications and wage rates to give the Department an opportunity of getting good accurate survey data on to FHWA - USDOT.
 - 4. NCTA Updates
- III. Upcoming Design-Build Projects (Anticipated DB List)
 - ***BR-0024 - I-40, Replacement Bridge 480102 on I-40 Westbound over Third Creek, Iredell County**
 - Anticipated September 2027 Advertisement
 - Anticipated May 2028 Let Date
 - Preliminary Construction Estimate - \$32 million
 - *Discussions on adding the I-40 EB bridge to the project



- **BR-0256 / BR-0257** Replaces Bridge 330354 on I-40 Bus / US 421 over Brushy Fork Creek and Bridge 330355 on I-40 Bus / US 421 over Lowery Court SE in Forsyth County
 - Anticipated 2029 Advertisement
 - Anticipated 2029 / 2030 Let Date
 - Preliminary Construction Estimate - TBD

- **BR-0083** - Replace Bridges 440057 & 440115 on US 64 over French Broad Overflow, Iredell Co.
 - Anticipated January 2028 Advertisement
 - Anticipated September 2028 Let Date
 - Preliminary Construction Estimate - \$15 million

- **HB-0018** - I-40 Replace Bridges 6 & 7 over the Catawba River, Iredell County
 - Anticipated August 2026 Advertisement
 - Anticipated April 2027 Let Date
 - Preliminary Construction Estimate - \$41 million

- **I-2513C** - I-240 / I-40 / I-26 interchange
 - Anticipated October 2028 Advertisement
 - Anticipated June 2029 Let Date
 - Preliminary Construction Estimate - \$262 million

- **I-5703** - Reconstruct I-40 / I-440 / US 1 / US 64 interchange
 - Anticipated May 2026 Advertisement
 - Anticipated January 2027 Let Date
 - Approximately 3.5 miles
 - Preliminary Construction Estimate - \$431 million

- **I-5718** - I-77 from South Carolina State Line to I-277 / NC 16 (Brookshire Freeway) interchange (Exit 11) - Widen to ten lanes by constructing managed lanes - Reconstruct I-277 interchanges and install ramp meters - **NCTA**
 - Anticipated late 2020's Let Date
 - Approximately 11.2 miles
 - Preliminary Construction Estimate - \$2.6 billion

- **I-5719A** - I-85 from US 321 to NC 7 - Widen to eight lanes
 - Anticipated FY '28 Advertisement
 - Anticipated FY '28 - '29 Let Date
 - Preliminary Construction Estimate - TBD

- **U-6044** - SR 2200 (Cox Road) From I-85 to US 29-74 widening and intersection improvements
 - Anticipated FY '28 Advertisement
 - Anticipated FY '28 - '29 Let Date
 - Preliminary Construction Estimate - TBD



- **I-5719B** - I-85 from NC 7 to NC 273 - Widen to eight lanes
U-5800 - NC 7 between NC 7 / US 74 and NC 7 / US 29 intersections - Construct northbound through lane and improve intersections
 - Anticipated September 2024 Advertisement
 - Anticipated July 2025 Let Date
 - Preliminary Construction Estimate - TBD

- **I-5719C** - I-85 Reconstruction of the Piedmont Northern Railroad and two Norfolk Southern Railroad Bridges within the limits of I-5719A - CM/GC
 - Anticipated October 2024 Advertisement
 - Anticipated CM/GC Selection January 2025 Let Date
 - Preliminary Construction Estimate - TBD

- **I-6016** - I-85 Mecklenburg County at I-485 interchange West of Charlotte - CM/GC
 - Anticipated August 2024 Advertisement
 - Anticipated CM/GC Selection November 2024
 - Preliminary Construction Estimate - \$36 million

- **R-0204E** - US 221 / NC 226 (Marion Bypass) from I-40 to SR 1153 (Goose Creek Road) Widen to Multi-lanes, McDowell County
 - Anticipated July 2027 Advertisement
 - Anticipated April 2028 Let Date
 - Approximately 2.3 miles
 - Preliminary Construction Estimate - \$74 million

- **R-2576** - Mid-Currituck Toll Bridge - **NCTA**
 - Anticipated October 2025 Advertisement
 - Anticipated June 2026 Let Date
 - NCTA to obtain permits - Permit Modification required by Design-Build Team
 - Approximately 9.9 miles
 - Procurement Type to be Determined - Design-Build / Design-Build Maximum Cap / Design-Build Finance - Department is in the process of preparing an application for this year's federal grant opportunities
 - Preliminary Construction Estimate - \$914 million

- **U-5307A** - US 1 from I-540 to north of SR 2006 (Durant Road)
 - Anticipated February 2025 Advertisement
 - Anticipated October 2025 Let Date
 - Approximately 1.7 miles
 - Preliminary Construction Estimate - \$296 million

- **U-5518** - US 70 (Glenwood Avenue) from I-540 to SR 3100 / SR 3109 (Brier Creek Parkway)
 - Anticipated August 2027 Advertisement
 - Anticipated April 2028 Let Date



- Approximately 2.8 miles
- Preliminary Construction Estimate - \$230 million



- **U-5774F** - NC 54 from east of Little Creek to east of I-40, Durham County, (Possible Progressive DB)

- Anticipated April 2030 Advertisement
- Anticipated January 2031 Let Date
- Approximately X.X miles
- Preliminary Construction Estimate - \$156 million

(Tim)

IV. Carolina AGC Items

(Victor)

Update Topics

1. CMGC Update / Progressive Design-Build Update
2. Risk Register
No update to provide. Still haven't reached out to SCDOT. Still considering. NCDOT will share their risk register on future AD projects.
Mentioned this will be shared with shortlisted teams only and not prior to the RFQ.
3. Cost Escalation (Work Group)
Need to set a date. NCDOT and AGC to submit names for workgroup. Action item: Victor to provide participants from the industry to participate in workgroup. NCDOT will also provide participants for work group.
4. CPM Schedule Requirements (Work Group Kick off 10/2)
5. Optimization & Refinement Period
Satisfied with how I-26 is progressing. They are getting what they want out of the process. If there are known budget constraints, NCDOT will include the OR process in the RFP.
6. Project Warranty & Extra Credit Scoring
NCDOT considering providing a list to the industry on what they are looking for specifically which items are considered the "big ticket items" that will be looked at most favorably. Looking for good warranties on big ticket items. AGC said they are not seeing value with the cost benefit analysis. Historical data is telling the industry that they are not getting cost benefit for the warranty. Industry wants to see a scoring system based on the amount of warranty a team submits. NCDOT suggested a workgroup.

New Topic

1. Stipend Payments

V. ACEC Items

Previous Topics

(Jason)

1. ORD Implementation
 - a. What is the update for each unit? When will NCDOT make ORD a requirement in RFPs? ORD Status update word document shared with subcommittee
2. NCDOT Submittal Guidelines
 - a. Update on status of comments provided by ACEC.
Made changes to guidelines, coordinating with other Units. No timeframe available. Plan to implement for I-85.
3. PDB Workshop

- a. Where does the Department stand with PDB? Where does the Department stand with submittal guidelines for PDB?
Will provide guidelines in the next couple of weeks.
4. Electronic Submittals
 - a. Does the Department intend to utilize electronic submittals for technical proposals?
NCDOT is receptive to it, will consider it on future projects. Still need to discuss with the Chief. NCTA voiced some concerns for reviewers reviewing electronic plans and the limited time for the SME's reviews. A suggestion was to provide roll plots with the electronic submittal of the roadway section for reviewers.
5. Hydraulically Deficient Pipes
 - a. Will the Department consider providing recommendations with the pipe video?
Recommendations will be provided in the RFP.
6. Risk Register
 - a. What is the update on this process? How would risk register be integrated into selection process? Would risk register be scored? If this process resulted in NCDOT taking on more risk, then would this be shared with all teams?
7. OR Process
 - a. What are the Department's intentions with the OR process on future projects.
8. Cost Estimating
 - a. What is the status of the workgroup to discuss NCDOT cost estimating process? Does the Department intend to integrate the DB GEC firms into the workgroup or the cost estimating process? Does NCTA has a similar or different cost estimating process than NCDOT?
Contracts & Standards plans to use HNTB's process for preliminary cost estimating. NCTA uses a similar process.
Constructability Reviews go through NCDOT Value Engineering group, information will be provided as "Provided Materials."
9. RFP Organization
 - a. Does the Department intend to make changes to the RFP format?
NCDOT views it as additional work on their end to provide a track change version.

New Topics

1. DBIA Training
 - a. Will the Department consider adding an Alternative Delivery Workgroup that creates a partnership with ACEC, AGC, Divisions that focusses on DBIA principles? Will the Department consider including DBIA certification in the SOQ scoring (project size dependent)?
NCDOT was receptive to the idea of a workgroup.
2. RFP Documents
 - a. Will the Department consider implementing a constructability review prior to shortlisting and possibly provide constructability schematics in RFP documents?
NCDOT will provide with Provided Materials, specifically with their intent of MOT and with respect to previously made environmental commitment.
3. Project Incentives
 - a. Will the Department consider incentive programs for schedule enhancements, reductions in ROW/Utility impacts, etc.?
Department is ready to consider at this time. NCDOT was receptive to schedule a meeting with the Chief to discuss.

VI. Next Meeting
November 12th @ 10AM



VII. Meeting Adjourn

