NC TRCC Draft Meeting Notes

Wednesday February 3, 2021
9:30am to 11:30am
GoToMeeting Virtual Meeting
Hosted by UNC HSRC Nancy Lefler, Kelly March, and Eric Rodgman

Attendees Present (25+):

Jennifer Barbour, NC AOC
Eric Bellamy, NC DMV
Sharath Bhat, NCSU ITRE
Daniel Carter, NC DOT
Michael Clamann, UNC HSRC
Brian Crissman, NC SHP
Greg Ferrara, NCSU ITRE
Grey Hancock, NCSU ITRE
Nancy Lefler, UNC HSRC
Erin Lesh, NC DIT-T
Ryan Koschatzky, NC DOT
Matthew Kuliani, NCSU ITRE
Colleen Lippert, NCSU ITRE
Brian Murphy, NC DOT
Oliver Abreu, NCSU ITRE
Kathy Peticolas, NC-CISS
Eric Rodgman, UNC HSRC
Kimberly Rutledge, NC AOC
Sharon Schiro, NC Trauma Registry
Warren Smith, NC GHSP
Roger Smock, NC DOT Rail Division
Larry Spraker, VHB
Vish Tharuvesanchi, NC DOT IT
Mike Thomas, NC DIT
Anna Waller, UNC CCHI
Aaron Williams, FHWA

9:33 am Welcome / Brief Introductions for the online attendees – Eric Rodgman, UNC HSRC

9:40 am Updates from NC GHSP – Warren Smith

Warren Smith updated the TRCC that NC had received approval for the TR 405 (c) money from NHTSA based on TR improvements in the percentage of electronic crash report submittal, percentage of citations submitted within three days, and the percentage of Law Enforcement agencies submitting crash reports electronically. Warren noted that GHSP is dealing with 112 TR project applications (28 new applications and 84 continuing applications). GHSP is currently having an Occupant Protection (OP) assessment since the NC seatbelt wearing percentage recently fell below 90% (NHTSA US threshold). NC will receive additional funding as NC had

more than 15% pedestrian fatalities recently. NC will not qualify for additional safety funding for motorcycle safety grants (NC MC crashes were down though fatalities were up).

9:45 am Updates on Current TRCC / NC Projects: Jennifer Barbour (AOC – printers, eCitation, NCAware), Greg Ferrara (NCSU ITRE – Vision Zero, other project efforts) , Anna Waller (UNC CCHI – Crash & Medical Data Link Project update), and Nancy Lefler (UNC HSRC -- E-crash Project now called NC CRIS).

9:46 am AOC (Jennifer Barbour) – printers, eCitation, NCAware

Jennifer Barbour provided an update on the recent action of providing printers to NC LE. AOC is in process of preparing to provide 74 printers to LE. AOC has contracted out the eCitation system to Brazos Technology to enhance and perform this work. This effort is in the pilot stage (started on December 7th) with five pilot sites (800 citations have been added to the system). The new eCitation system will be going live in the coming months. Jennifer added that NCAware is next to be upgraded (April). Kim Rutledge added that the new eCitation system will be able to handle up to 10 citations to begin with and then an unlimited number later.

9:55 am NCSU ITRE (Greg Ferrara) – Vision Zero, etc.

Greg Ferrara has continued to focus on two areas: analytical and technical support for Vision Zero. This includes website improvements and integrating new tools as well as improving their safety data capabilities with new analytics, better usability, and even added a visual design specialist to assist. Their on-line NC crash data query tool has the 2019 crash data available. As part of Vision Zero, Greg noted that they are providing data with better location information especially for the K and A injuries. ITRE has 98% of the commercial vehicle crashes located. ITRE has teamed up with HSRC to work on the Vision Zero Institute and performance updates on distracted driving, safe streets, and revamped demographic tools. The coalition will also work to develop a Child Passenger Safety dashboard to be rolled out in mid-February. Matt Kuliani added that they are developing new targets for the SHP districts tweaked to their unique characteristics. The presentation and proposal forms for the 2021 NC Traffic Safety Conference and Expo are now live: https://ncvisionzero.org/expo/.

10:06 am UNC CCHI (Anna Waller) – Crash & Medical Data Link Project update

Anna presented an overview of their efforts beginning in 2015 and noted the tremendous progress up through 2021. Anna provided numerous informative slides showing the comparisons of crash and medical data linked to show some of the consistency (KABCO and Medical injury data were generally matching), and at the same time, some interesting inconsistencies (crash cases noted as No Injury who later went to the ED and actually had reported injuries). The project team has been able to successfully link to the NC 2018 crash data (95% for motor vehicle crashes) and now in the process of linking to the 2019 crash data. She noted that 37% of the linked crash-ED visits were for persons who appeared uninjured. Admittance to hospital broadly reflects how law enforcement reports injury severity codes, but they often miss some serious injuries. Crash victims with no reported injury took longer to visit the ED. 50 of 1,500 fatalities were reported as non-fatal in the crash reports. Many of those not listed as fatalities died a week or more after the time of the crash, accounting for the missing indication.

Anna added that they want to develop an online dashboard of their linked data for the public to see and use. The response from the TRCC was very positive with questions / comments from

Matt Kuliani, Sharon Schiro, Brian Murphy, and Roger Smock. Anna thanked the TRCC for their cooperation and their input as the linking process have been created, developed, and tweaked.

10:42 am UNC HSRC (Nancy Lefler) – the NC CRIS project (formerly the eCrash project)

Nancy Lefler noted that the current crash management system is outdated (since 2000). Consequently, the NC Legislature mandated that the crash system be replaced. The purpose of the project is to plan, develop and manage a modern statewide electronic crash data system for North Carolina. Nancy presented an overview of the ongoing NC CRIS (NC Crash Data System Update Project) with a timeline for the full project. Approach involves four phases:

- Phase I: Planning – 6 months (complete)
- Phase II: Design – 15 months (in progress)
- Phase III: Development and Testing – 24 months
- Phase IV: Deployment and Training – 19 months

Nancy noted that they had completed Phase 1 of the project and that Phase 2 was in progress. Phase 2 (estimated to be 15 months) would include talking with and interviewing all the key stakeholders, gaining their input and suggestions, updating the current design of each part of the entire NC crash data system, revising the design specifications as needed, and laying out scope of work for Phases 3 & 4. Nancy introduced Larry Spraker from VHB who is helping with the overall system development process. Larry described the process of constructing the design with input from DMV and experience from how other states have accomplished this design process. The goal will be to provide a final draft of the new design by December 2021. Larry and the design team will meet with all the NC stakeholders to make the design the best it can be. The Stakeholder groups include:

- Crash Data Ingest
- Traffic Records Processing
- Internal DOT Uses/Needs
- External Users Needs

Stakeholder groups will have an opportunity to provide input in coming months on improvements to the NC crash data form, the crash report data processing procedures, and/ or any other suggestions. This system design will include the re-design of the current DMV-349 Crash Report. Nancy noted that many TRCC members should expect to be contacted by the project interview team in the coming months. Nancy estimates that the NC CRIS will take about 5 years to complete.

11:10 am Update Alert on the NC TR "Self" Assessment Process and Report to be completed no later than June 1, 2022 – Eric and Nancy

Eric noted it has been nearly five years since our prior NC Assessment (completed at the end of April 2017). Each NC agency will be responsible for answering the TR Assessment Area Module questions in their area (Crash, Driver license, Vehicle Registration, Roadway, AOC (court), and Medical data (all types: ED, Trauma, Hospital Patient, EMS, and state vital records). HSRC is currently preparing a support project to assist NC GHSP using 402 TR funds (405 (c) funds cannot be used for this purpose). Eric will send out an Excel spreadsheet from NHTSA with some basic instructions and all 328 questions used on the latest assessment tool broken out by agency database category.

11:20 am Needs for Updating the New 2021 NC TR Strategic Plan (due June 15, 2021) – Eric and Nancy:

1) Eric reminded attendees that the HSRC team will send out an email calling for an update on all traffic records projects for the past year (due back in March). The Update Team will want to know of any recently completed projects to be archived, status updates on ongoing projects, and relevant new projects. Request to include:
   o Need to share any new system development projects under way in your agency.
   o Need for each agency to share / create performance measures that are be acceptable by NHTSA so that they can be included in the next TR Strategic Plan. The NC TRCC can use the "Strategic Planning Guide" which Kara Peach (from VHB) presented / discussed at a previous TRCC meeting and that report can be viewed at: https://crashstats.nhtsa.dot.gov/Api/Public/ViewPublication/812773A
   o Continued emphasis on addressing the 2017 NC TR Assessment recommendations.

2) In addition, each area contact will need to review their area summary in the latest NC TR Strategic Plan to be sure it is accurate and up-to-date. Those sections need to be updated by mid-April so they can be included in the draft to be reviewed at the May 5th NC TRCC meeting where we go over the full report to finalize it. The final draft will be emailed to everyone for any final corrections an hopefully for final approval.
3) Update on the MIRE FDE Data Collection Plan for NC (as required).
   o Currently collecting ADT estimates for all public roads.

11:27 am Wrap Up and Thanks to Everyone -- Adjournment – Meeting On-line Ended.

Key Dates / Action Items:

March 26, 2021 – Updates from all agencies on their old (completed in the last year) projects, current (ongoing multi-year) projects, and all new TR projects (started in the last year).

April 23, 2021 -- Updates to all area summary descriptions noted in the most recent 2020 NC TR Strategic Plan (update as needed).

May 5, 2021 (UNC HSRC) – NC TRCC Meeting (approximately 9:00 am to 2:00 pm)

June 15, 2021 – Final approval of the 2021 NC TR Strategic Plan for submission to NHTSA.

June 30, 2021 – Submission of 2021 NC TR Strategic Plan to NHTSA.

August 16-20, 2021 – the 2021 National Traffic Records Forum On-line Conference in sunny San Diego (see link below).

Key websites to note:

1) Link of the medical and transportation data:

http://cchi.web.unc.edu/transportation-health-data/

2) Link for the NC TRCC – past TR assessments, TR strategic plans, and TRCC meeting minutes:

https://connect.ncdot.gov/groups/NCTRCC/Pages/default.aspx

3) Link for the Performance Measures Report for each of the six-pack of data metrics:

https://crashstats.nhtsa.dot.gov/Api/Public/ViewPublication/811441

4) Link to the NCSU ITRE crash data web tool:

https://ncvisionzero.org/data-analytics/visualizations/

5) Toolkit Report (from Kara Peach at VHB) for TRCC groups:

 https://crashstats.nhtsa.dot.gov/Api/Public/ViewPublication/812773A

6) Upcoming 2021 Traffic Records Forum Information (Virtual Meeting):

Traffic Records Forum – ATSIP – Association of Transportation Safety Information Professionals

7) Latest NC Crash Data Statistics on Injuries in MV Crashes (thanks to NC DOT):

Fatal and Serious Injury Trend Update (ncdot.gov)

Minutes prepared by Nancy Lefler, Kelly March and Eric Rodgman.