**Signing & Delineation Unit (SDU) 5/8/2018**

| No. | Category | Purpose | Details | Reference | Action |
| --- | --- | --- | --- | --- | --- |
| 1 | **Signing** | * Regulatory Signs * Warning Signs And Object Markers * Guide Signing Messaging * Program Signing * TEPPL * Plan review | * SDU to Review Signing Concept Plans and requirements For Interstates, Freeways. * Review concept Alternative designs (i.e. CFI, turbines, complex interchanges). * Furnish an electronic copy of Overhead Sign designs, Structure line drawings and shop drawings to SDU. * Contact Logo coordinator if any Logo or Ag Tourism Signs are effected by project. * Coordinate signing and messaging on Interstate and Freeways with SDU and DTE. * **If SDU is required to review plans, ensure a sufficient amount of time is given.** * **If SDU has not reviewed, DO NOT place SDU staff on plans.** * **Use latest Seed files.** | * <https://mutcd.fhwa.dot.gov/htm/2009/part2/part2_toc.htm> * <https://connect.ncdot.gov/resources/safety/Teppl/Pages/Teppl.aspx> * <https://connect.ncdot.gov/resources/safety/Pages/Signing-and-Delineation.aspx> | * Required |
| 2 | **Pavement Marking** | * Lane Continuity Issues * Left Lane merge * Pavement Marking type * Wrong Way / Ramp arrows | * SDU to review pavement marking concept plans for Interstates and freeways. * Direct road users into appropriate lanes in advance of diverging or merging movements (lane Continuity). * Coordinate with Signals Unit for stop bar locations and curb ramps. * Pavt. Mkg recommendation requested from SDU. * Ensure standard drawings are followed for exit only lanes, merge areas, ramp arrows and side by side ramps. * **If SDU is required to review plans, ensure a sufficient amount of time is given.** * **If SDU has not reviewed, DO NOT place SDU staff on plans.** * **Use latest Seed files.** | * <https://connect.ncdot.gov/resources/safety/Pages/Signing-and-Delineation.aspx> * <https://connect.ncdot.gov/resources/safety/Signing%20and%20Delineation%20Library/Side-by-Side_On-Off%20Ramp.pdf> | * Required |
| 3 | **Long Life Markings** | * Benefit/ Cost Savings | * Long life markers to be used on all TIP projects. * See the charts on the SDU website for choosing the correct markings for your roadway with regard to planning resurfacing. * See Cost Analyses presentation on SDU website. | * <https://connect.ncdot.gov/resources/safety/Signing%20and%20Delineation%20Library/Pavement_Marking_Cost_Analysis.pdf> | * Required |
| 4 | **Scoping Projects** | * Signing and Pavement Marking Analysis * Overhead Sign Structures * Guardrail and barriers | * NCDOT and PEF must agree on initial scope of work. (See SDU scoping sheet). * Include manday and cost day estimate for future revisions involving ground mounted supports and overhead structures. Firm **required** to complete revisions, if SDU is not involved with project. * See SDU design guidelines. * Ensure future or overlapping projects are taken into consideration. * See project scoping sheet under Private Engineering firms on SDU website. | * <https://connect.ncdot.gov/resources/safety/Signing%20and%20Delineation%20Library/Design%20Guidelines.pdf> * <https://connect.ncdot.gov/resources/safety/Pages/Signing-and-Delineation.aspx> | * Recommended |
|  | **Ordering Signs** | * Department furnished signs are ordered from Bunn Sign Plant. | * Require 4 month advance notice to requisition signs. * Ground mounted signs are required to be field verified with appropriate S dimensions (see Construction Manual). * Ensure ordering signs from most recent sealed plans. * If SDU is ordering signs need request in writing from contractor. | * <https://connect.ncdot.gov/projects/construction/Pages/ConstMan.aspx?Order=CM-19-000> | * Required |
| 5 | **Route Changes**  Interstate  US  NC | * All Interstate, US and NC route changes are required to be submitted to SDU for processing through State Traffic Engineer. | * Final approval of Interstate and US Routes are determined by AASHTO and/or FHWA. * AASHTO meets twice a year for approvals. * Coordinate Route changes with RTE (Regional Traffic Eng). * State Traffic Eng has final approval on NC routes. | * <https://connect.ncdot.gov/resources/safety/Pages/Route-Changes.aspx> | * Required |
|  | **Bike/Ped Accommodations** | * Bike Lane * Crosswalk Marking * Curb Ramps * PED/Multimodal | * Bike Lane Markings * Crosswalk Markings * Curb Ramp Placement * PEDS | * See Handout and SDU website * <https://connect.ncdot.gov/resources/safety/Pages/Signing-and-Delineation.aspx> | * Recommended |

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