CHAPTER THREE

TITLE SHEET

PURPOSE

The Title Sheet provides information related to location of project, length of project, and type of work. Specific information to be shown on the title sheet is included below and in the Checklist:


LOCATION OF PROJECT AND TYPE OF WORK

The location of project and type of work is used repeatedly on various engineering documents throughout the duration of a project. Since the space available on various project documents for writing this information is usually limited, the descriptions for the location and type of work shall be kept to an absolute minimum. In describing the location, the information shall be limited to the county or counties, route, and the beginning and ending points. In listing the type of work, it shall be limited to the major types of construction.

PROJECT LAYOUT

The project layout is a small scale drawing of each plan sheet. The sheet number is shown on each superimposed plan sheet on the layout. This provides a quick reference to a specific location in the plans. The layout should include all interchanges, intersections, service roads, structures, railroads, outstanding geographical features, and any other major landmarks that may be used as reference points.

VICINITY MAP

A vicinity map is required to show sufficient identifying information so that the project may be easily located on a county or state map. The vicinity map may be a tracing of any type map that will provide the most beneficial information. The beginning and ending points of the project should always be shown on the vicinity map. Major transportation facilities convenient for transporting construction materials to the project site should also be shown.
PROJECT NUMBERS ON FINAL PLANS

A contract number and TIP number is required on the left-hand margin of the title sheet. Use the TIP number at the begin and end project designations on the title sheet. The TIP number will also be used on the title sheet when listing project lengths. WBS elements and Federal Aid Project numbers are to be shown in the upper right hand title block. An example of the title sheet is shown on 3-1E, F-1. Sheets that follow the title sheet require that only the TIP numbers be shown.

INDEX OF SHEETS

FINAL PLAN SHEET ARRANGEMENT

<table>
<thead>
<tr>
<th>Sheet Number</th>
<th>Sheet Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Title Sheet</td>
</tr>
<tr>
<td>1A</td>
<td>Index of Sheets, General Notes and List of Standards</td>
</tr>
<tr>
<td>1B</td>
<td>Conventional Symbols</td>
</tr>
<tr>
<td>1C- Series</td>
<td>Survey Control Sheets</td>
</tr>
<tr>
<td>1D</td>
<td>Centerline Coordinate List</td>
</tr>
<tr>
<td>2A- Series</td>
<td>Pavement Schedule and Typical Sections</td>
</tr>
<tr>
<td>2B- Series</td>
<td>Roadway Details (Produced by Roadway Personnel)</td>
</tr>
<tr>
<td>2C- Series</td>
<td>Details not Covered by Roadway (Special Details Produced by Contracts)</td>
</tr>
<tr>
<td>2D- Series</td>
<td>Drainage Details</td>
</tr>
<tr>
<td>2G- Series</td>
<td>Geotechnical Details</td>
</tr>
<tr>
<td>2H- Series</td>
<td>GeoEnvironmental Details</td>
</tr>
<tr>
<td>2N- Series</td>
<td>Noise Wall Envelopes</td>
</tr>
<tr>
<td>3B- Series</td>
<td>Roadway Summaries (earthwork, guardrail, etc.)</td>
</tr>
<tr>
<td>3D- Series</td>
<td>Drainage Summaries</td>
</tr>
<tr>
<td>3G- Series</td>
<td>Geotechnical Summaries</td>
</tr>
<tr>
<td>3P- Series</td>
<td>Parcel Index Sheets</td>
</tr>
</tbody>
</table>

Example of sheet numbering: 2A-1, 2A-2, 2A-3, etc.
INDEX OF SHEETS  

4 The first plan sheet will always be Number 4. All other plan and profile sheets shall be numbered to fit the project conditions.

TMP-1, TMP-2, etc. Transportation Management Plans

PMP-1, PMP-2, etc. Pavement Marking Plans

E-1, E-2, etc. Electrical Plan

EC-1, EC-2, etc. Erosion Control Plans

RF-1, RF-2, etc. Reforestation Plans

SIGN-1, SIGN-2, etc. Signing Plans

SIG-1, SIG-2, etc. Signal Plans

ITS-1, ITS-2, etc. ITS Plans

UC-1, UC-2, etc. Utility Construction Plans

UO-1, UO-2, etc. Utilities by others Plans

W-1, W-2, etc. Retaining Wall Plans (When no Structure Plans)

X-1A, X-1B, etc. Cross-Section Summary Sheet

X-1, X-2, etc. Cross-Sections

S-1, S-2, S-3, etc. Structure Plans

C-1, C-2, C-3, etc. Culvert Plans

W-1, W-2, etc. Wall Plans

Do not show total sheet numbers on the plans.

REV. DATE 1/26/2016
REV. NO. 8
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SAMPSON COUNTY

LOCATION: BRIDGES 325 AND 326 OVER LITTLE COHARIE CREEK OVERFLOW AND BRIDGE 327 OVER LITTLE COHARIE CREEK ON SR 1409 (OLD SALEMBURG RD)

TYPE OF WORK: GRADING, PAVING, DRAINAGE, AND STRUCTURES

BEGIN TIP PROJECT B-4637
NIA 10'-50.00

LENGTH ROADWAY TIP PROJECT B-4637 = 0.164 MI
LENGTH STRUCTURE TIP PROJECT B-4637 = 0.044 MI
TOTAL LENGTH OF TIP PROJECT B-4637 = 0.208 MI

END TIP PROJECT B-4637
SLA 217'-50.00

DESIGN ENGINEER

ROADWAY DESIGN ENGINEER

Rev. Date 07/12/06
Revision No. 4
This information shall be as follows:

John A. Smith, P.E.
Project Engineer
John B. Smith, P.E.
Project Design Engineer

RIGHT OF WAY DATE:
June 18, 1993

LETTING DATE:
June 21, 1994

This is a controlled-access project with access being limited to interchanges. This is a partial controlled-access project with access being limited to points as shown on the plans.

The length of project is broken into roadway lengths and structure lengths. When a box culvert is at least 20’ wide, it shall be considered a structure when the length of project is computed. Separate lengths are also computed for the federal aid portion of a project. The length of project is always shown to three decimal places. When the fourth digit is five and above, the third digit will be rounded up. This will correspond with the Structure Design Unit’s method of computing structure lengths. Examples of computing project lengths appear below. When other conditions are experienced, discuss them with the Plan Review Engineer.

Length Roadway TIP Project R-99A = 4.205 Miles
Length Structure TIP Project R-99A = 0.038 Mile
Total Length TIP Project R-99A = 4.243 Miles

Rev.. Date 07/12/06
Revision No. 4
LENGTH OF PROJECT (continued)

PROJECTS (WITHOUT STRUCTURES)

Length Roadway TIP Project R-99A = 4.205 Miles  
Total Length TIP Project R-99A = 4.205 Miles

COMBINED PROJECT (WITH STRUCTURES)

Length Roadway TIP Project R-99A/R-99B = 7.708 Miles  
Length Structure TIP Project R-99A/R-99B = 0.094 Mile  
Total Length TIP Project R-99A/R-99B = 7.802 Miles

COMBINED PROJECT (WITHOUT STRUCTURES)

Length Roadway TIP Project R-99A/R-99B = 3.210 Miles  
Total Length TIP Project R-99A/R-99B = 3.210 Miles

COMBINED FEDERAL-AID AND STATE PROJECT (U-83)

Length Roadway TIP Project I-303 = 3.210 Miles  
Length Structure TIP Project I-303 = 0.044 Mile  
Total Length TIP Project I-303 = 3.254 Miles  
Length Roadway TIP Project U-83 = 0.723 Mile  
Length Structure TIP Project U-83 = 0.022 Mile  
Total Length TIP Project U-83 = 0.745 Mile  
Total Length TIP Project I-303/U-83 = 3.999 Miles

DESIGN DESIGNATION

Information related to design should be shown as follows:

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ADT</td>
<td>2001</td>
<td>25,000 (1)</td>
</tr>
<tr>
<td>ADT</td>
<td>2021</td>
<td>60,000 (2)</td>
</tr>
<tr>
<td>K</td>
<td></td>
<td>12% (3)</td>
</tr>
<tr>
<td>D</td>
<td></td>
<td>60% (4)</td>
</tr>
<tr>
<td>T</td>
<td></td>
<td>11% (5% TTST &amp; 6% Dual) (5)</td>
</tr>
<tr>
<td>V</td>
<td></td>
<td>60 MPH (6)</td>
</tr>
</tbody>
</table>

Rev. Date 07/12/06  
Revision No. 4
DESIGN DESIGNATION (continued) 3-lJ

(1) Average daily traffic is given for the year that a project is let to construction.
(2) Average daily traffic is given for the design year. The design year is usually twenty years from the letting date.
(3) $K$ is given as a percentage for Design Hourly Factor.

(4) Peak Hour Directional Split is a percentage of the DHV traveling in the direction of major flow.
(5) Percent of ADT that is Trucks (TTST* + Duals**)  
(6) $V =$ Design Speed  
* Truck, Tractor and Semi-Trailer are multi-unit trucks including both single and twin-trailer rig.  
** Duals are trucks with at least one dual-tired axle.

PLAN APPROVAL 3-lK

The Roadway Design Project Engineer will be responsible for obtaining the Roadway Design Seal and the Hydraulic Engineer’s seal for the Title sheet. The Plan Review Engineer will be responsible for obtaining the signature of the State Highway Design Engineer. The Specifications and Proposals Engineer will be responsible for obtaining the signature of the FHWA Division Administrator, if required. On a state funded project, the signature block for FHWA Division Administrator shall be removed just prior to the plans being submitted to the Plan Review Engineer for final review.

METHOD OF CLEARING 3-lL

Clearing on this project shall be performed to the limits established by Method______. This note is to be shown on the Right of Way Plans but removed from the Construction Plans. The note is to be shown on the Title Sheet of the Right of Way Plans. See Roadway Standard, Std. Nos. 200.02 and 200.03.

MUNICIPAL BOUNDARIES 3-lM

One of the following notes is to be shown on the right of way plans. This project is within the municipal boundaries of Town or city. (or) This Project is not within any municipal boundaries. (or) A portion of this project is within the municipal boundaries of Town or city. This note will be removed from the construction plans.