

## CHAPTER THREE

## TITLE SHEET

PURPOSE3-1

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:

<https://connect.ncdot.gov/resources/Specifications/Pages/Specifications-and-Special-Provisions.aspx>

LOCATION OF PROJECT AND TYPE OF WORK3-1A

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 LAYOUT3-1B

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 MAP3-1C

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 PLANS3-ID

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 SHEETS3-1E

FINAL PLAN SHEET ARRANGEMENT  
INDEX OF SHEETS

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

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

INDEX OF SHEETS3-1E

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

CONTRACT: C204010

TIP PROJECT: B-4637

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 SALEMURG RD)

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

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-4637	1	

  

STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
33808.1.2	BRZ-1409 (12)	PE
33808.2.1	BRZ-1409 (12)	R/W & UTIL
33808.3.1	BRZ-1409 (12)	CONST.

**VICINITY MAP**

OFF SITE DETOUR

## 4

BEGIN TIP PROJECT B-4637  
-|- STA. 10 + 50.00

END TIP PROJECT B-4637  
-|- STA. 21 + 50.00

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

**GRAPHIC SCALES**

50 25 0 50 100  
PLANS

50 25 0 50 100  
PROFILE (HORIZONTAL)

10 5 0 10 20  
PROFILE (VERTICAL)

**DESIGN DATA**

ADT 2017 = 590  
ADT 2037 = 935  
K = 11 %  
D = 55 %  
T = 5 % \*  
V = 60 MPH  
\* (TTST 1% + DUALS 4%)  
FUNC CLASS=RURAL LOCAL  
SUBREGIONAL TIER

**PROJECT LENGTH**

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

Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
1000 Birch Ridge Dr., Raleigh NC, 27610

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: GARY R. LOVERING, PE  
NOVEMBER 18, 2016  
PROJECT ENGINEER

LETTING DATE: SAM ST. CLAIR  
JULY 18, 2017  
PROJECT DESIGN ENGINEER

**HYDRAULICS ENGINEER**

*(Seal: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 038559)*

SIGNATURE: \_\_\_\_\_

**ROADWAY DESIGN ENGINEER**

*(Seal: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 025873)*

SIGNATURE: \_\_\_\_\_

PLANS PREPARED BY3-1F

This information shall be as follows:

John A. Smith, P.E.

Project Engineer

John B. Smith, P.E.

Project Design Engineer

LETTING AND RIGHT OF WAY DATE3-1G

This information shall be as follows:

RIGHT OF WAY DATE:

June 18, 1993

LETTING DATE:

June 21, 1994

CONTROL OF ACCESS NOTE3-1H

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.

LENGTH OF PROJECT3-1I

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.

PROJECT (WITH STRUCTURES)

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

LENGTH OF PROJECT (continued)

3-II

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

3-IJ

Information related to design should be shown as follows:

ADT	2001	=	25,000	(1)
ADT	2021	=	60,000	(2)
K		=	12%	(3)
D		=	60%	(4)
T		=	11% (5% TTST & 6% Dual)	(5)
V		=	60 MPH	(6)

Rev.. Date 07/12/06

Revision No. 4

DESIGN DESIGNATION (continued)

3-IJ

- (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-IK

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-IL

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-IM

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.