PRECONSTRUCTION DESIGN MEMORANDUM

MEMO: PCDM-08

RE: SCDOT PRECONSTRUCTION SURVEY MANUAL

SUBJECT: SURVEY CONTROL DATA SHEET

Upon meeting with the South Carolina Board of Professional Engineers and Surveyors, the SCDOT Surveys Office agreed to follow certain standards of practice. The standard of practice requires the SCDOT to include a Survey Control Data Sheet in the plans. The information provided in the new Survey Control Data Sheet is part of the Department’s obligation to the Board.

The Professional Land Surveyor in responsible charge of the survey (Surveyor) will create and deliver plan sheets to the Engineer of Record (Engineer) as part of the initial survey package. The sheets will be signed and sealed by the Surveyor. Number the sheets using the SCDOT plan sheet number 5 series (i.e., 5A, 5B, 5C, etc.) Coordinate the plan sheet numbering with the Engineer to ensure compatibility with the plan set. The Engineer will incorporate the sheets into the letting plans. An example is attached.

If possible, implement this process immediately for all projects currently in the design phase. It is required for all projects that received initial survey data on or after March 1, 2017.

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James W. Kendall, Jr.
Preconstruction Support Engineer

January 13, 2017

JWK:afg
Attachment
ec:
Ladd Gibson, Dir. of Preconstruction
Mike Barbee, Dir. of Rights of Way
Heather Robbins, Dir. of Environmental Services
Todd Steagall, Dir. of Construction
Tony Fallaw, Dir. of Traffic Engineering
Jim Feda, Dir. of Maintenance
Herbert J. Cooper, Local Program Administrator

Brent Rewis, RP Engineer – Lowcountry
Leah Quattlebaum, RP Engineer - Pee Dee
John Boylston, RP Engineer - Midlands
Julie Barker, RP Engineer - Upstate
Steve Ikerd, FHWA
Chris Gaskins, D/B Engineer

File:PC/JWK
The property Monuments Found listed as such are assumed to be property corner monuments field located during surveys. The Survey Control Points are at or near the position of property and taken or responsible for the information being used as such. These monuments tie-up to the control data to document and preserve their location in the event they are obliterated or disturbed in the construction of the project.

Project Description:
The LCDC/2012 Coordination System developed for this project is based on NAD83(2011) South Carolina Plane Coordinate System for the US Paducah Point which is primary Survey Control point number with a Northing of 843013.133 and an Easting of 2332590.049. The Combined Scale Factor (CSF) applied to grid is 0.99983456. Elevations for this project are based on NAVD 88 values for 1.0 with an elevation of 143.74.

Survey Control Data

Project Benchmark

Survey Control Points

Property Monuments Found

NOTES: