



Office of the Secretary

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John Bel Edwards, Governor
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TO: LOCAL PUBLIC ASSISTANCE AGENCIES

FROM: JANICE P. WILLIAMS, P.E.
CHIEF ENGINEER *JPH*

SUBJECT: LPA TECHNICAL MEMORANDUM NO. 2
USE OF GPS ON MINOR ENGINEERING SURVEYS ON SMALL TAP, LRSP,
SRTS, & SRTPPP PROJECTS

Effective immediately, the following policy shall be applied to small LPA projects as captioned above within the design phase.

EDSM No. III.1.1.6 ENGINEERING SURVEYS (09/22/2014) establishes a uniform policy for submitting survey data for use in preparation of construction plans.

This memorandum establishes equipment standards and procedures for the use of GPS established horizontal control points on construction projects where one meter accuracy is acceptable.

The equipment standards and procedures allowed herein will only be allowed for use in establishing begin and end reference points of the linear baseline stationing or log mile used on the project. Equipment and procedures provided herein will not be allowed for vertical control or property lines where policy and procedures are provided in the Department's Location & Surveying Manual. DOTD Location & Survey Administrator shall make the final determination for the types of projects where these standards would apply. Types of projects where these standards may be used include:

- Installation, repair or replacement of roadway signs, striping or pavement marking
- Installation, repair or replacement of guardrail
- Repair of existing sidewalks
- Installation, repair or replacement of pedestrian signs and signals

Equipment: Differential Grade GNSS Receivers with accuracy capabilities of equal to or less than one meter. Designer shall provide the DOTD Project Manager the type equipment to be used along with equipment specifications prior to performing field survey.

Datum: The method and the datum used to perform base topographic survey shall be listed on the title page of the plans as follows.

SURVEY
HORIZONTAL CONTROL:
LOUISIANA STATE PLANE COORDINATES
ZONE ____ (NAD ____ (____) EPOCH ____)