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6.1 Chapter Overview

The purpose of the Highway Boundary Plan is to provide Regional ROW Mapping Unit with a record of how the existing highway boundary was determined, and the location of a project's ROW Acquisitions.

A Highway Boundary Plan should be prepared for all projects on which the highway boundary has been reestablished under the direction of a Licensed Land Surveyor. The project's ROW Mapping Unit shall be responsible for insuring the preparation and quality review of the Highway Boundary Plan. The Highway Boundary Plan is not submitted for approval to any group outside of the Regional ROW Mapping Unit.

The Highway Boundary Plan should summarize historical and new ROW acquisitions by the State that are required for a project and for highway boundary locations. It should also provide a single archive of project ROW records which include field monumentation and control markers, important topographic information and survey map and property reference.

(See Chapter 5 of the Highway Design Manual and various references in the Project Development Manual for Documenting and Processing of Right of Way Required for Capital Projects)
HIGHWAY BOUNDARY PLAN

6.2 Preparation

The preparation of the Highway Boundary Plan should progress with the overall design of the project. The Highway Boundary Plan shall be updated as changes occur in the design and mapping for the project.

The following information shall be included in a Highway Boundary Plan if deemed necessary by the Regional Land Surveyor:

1. All current topographic map features, including all found and located property line monumentation and existing highway right of way monumentation and private underground services including wells, septic tanks and tile fields, and storage tanks.
2. Stationed Baseline - All acquisitions should be depicted as shown on the acquisition maps.
3. Stationed centerline, proposed tops and toes of slope limits, and edges of pavement.
4. Existing and proposed bridges, buildings, sidewalks, retaining walls, and any other major structures.
5. Existing Highway Boundary and right of way (provided by ROW Mapping Unit).
6. Access control indicated and labeled, if applicable (ie: w/ or w/o access).
7. Contract and Project Limits.
8. Portray utility features whose locations are known including fire hydrants, DI’s, culvert end sections and head walls, MH’s, signal boxes, and all open ditch lines.
9. Proposed ROW fee and easement lines.
10. Label names, show and label boundaries, and show pavement edges of all side roads.
11. Map and parcel numbers.
12. Point numbers and coordinates for property line locations, existing highway boundary locations, property line and highway boundary monumentation and intersections of highway boundary with the property lines. This information may be shown adjacent to the point on the plan or in a table located on the plan.

(See Section 5.9.4 of Chapter 5 for a detailed list of possible features that could be incorporated into the Highway Boundary Plan)
(See Appendix “N” for an example of a Highway Boundary Plan)