What is Right of Way (R/W)

A strip of land for which an entity has a right to build, operate, and maintain a linear facility such as a road, railroad, or pipeline.
I. Introduction

Study Background

Identify existing and future R/W needs along SR 5/Overseas Highway

Provide input for surplus property along SR 5/Overseas Highway
Study Objectives

• Assess Current R/W Needs
  – Existing R/W data
  – R/W needs of the programmed projects
  – R/W needs of hurricane debris staging areas
II. Project Tasks

- Task 1: Obtain existing R/W data.
- Task 2: Identify the R/W needs for the Programmed Projects.
- Task 3: Compile hurricane debris staging areas.
- Task 4: Create GIS Project.
Task 1: Obtain existing R/W for Monroe County

- Obtain the existing R/W data (Microstation DGN file format).
- Import DGN files into ArcMap.
- Edit R/W data in ArcMap.
- Save to GIS file format (Shapefile).
Edit R/W Data in ArcMap
Task 2: Identify R/W Needs for the Programmed Projects

- Collect the R/W data for current and future programmed projects.
- Identify R/W needs for the programmed projects.
- Create R/W needs data in GIS shapefiles.
Task 3: Compile Hurricane Debris Staging Areas

- Collect the locations of Hurricane debris staging areas.
- Compile Hurricane debris staging areas into GIS shapefiles.
Hurricane Debris Staging Areas
Task 4: Create GIS Project

- Compile the existing R/W data, R/W needs data of current and future programmed projects, and hurricane debris staging areas data into a geodatabase.
- Create a GIS project to overlay the existing R/W and R/W needs layers on a GIS base map.
- Add dimensions to the existing R/W and R/W needs layers.
- Create the R/W GIS layout maps.
- Publish the R/W GIS Project to ArcGIS Server.
GIS Project
GIS Layout Map
R/W GIS Project Online
Thank You

Questions?