ADA Data Collection Utilizing Survey123 for ArcGIS

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Brief History of ADA Compliance in Caltrans
1990 - Federal Civil Rights Law enacted
   Protections for those with disabilities
   Applicability to public accommodations
   ADA Disability Definition
2006 – Californians for Disability Rights filed class action lawsuit
2010 – State of California Committed $1.1 billion over 30 years
   Newly constructed and Altered Facilities **MUST** be ADA compliant
   Agreed to spend $25 million annually between 2010 and 2015
   Agreed to spend $35 million annually between 2015 and 2025
2013 – Caltrans updates DIB 82-05
   Curb Ramps are **REQUIRED** on resurfacing projects
North Region Concerns with Compliance

- Cap-M (Overlay) Projects are not scoped (funded) for ADA work
- In many cases the cost to upgrade the ADA facilities was more than the total cost of the project
- Many ADA facilities require Right of Way be purchased and utilities be relocated to become compliant
District 3 Solution

- Proposed a 3 phase solution
  - Phase 1 – Identify all ADA facilities within Caltrans District 3 that do not meet current ADA standards
  - Phase 2 – Create contract to improve ADA facilities that do not require Right of Way purchase or utility relocation
  - Phase 3 – Clause in contract to delay the improvement of impacted ADA facilities allowing time for Caltrans to purchase additional Right of Way and relocate utilities
Identify ADA Facilities Compliance

The North Region GIS Branch was tasked with coming up with a solution that could identify ADA compliance.
Survey123 for ArcGIS

- Standardize Data Collection
- Correct Data Collected Every Time
  - Existing Caltrans Devices

Work Flow
- Data is collected
- Data gets QC/QA
- Data is Analyzed by ADA Engineer
- Location Phase is Determined

Critical Path
- R/W needed
- Utilities relocation needed
- Environmentally Sensitive Area
This is an Assessment Tool **NOT** a Survey Tool

The real work comes later after the non compliant ADA facilities are identified
The Application
This is the Main Menu for the Caltrans North Region ADA Data Collection Suite of Applications.

This template includes all XLSForm features supported in Survey123 for ArcGIS.

The Main Menu
Driveways
Sidewalks

Cross Slope of Sidewalk *
Measure in Percent in several locations and enter the largest number
Curb Ramps

ADA Data Collection Curb Ramp Case A

Does this Curb Ramp have Truncated Domes? *
- Yes
- No

Does this Curb Ramp have a Pedestrian Push Button? *
- Yes
- No

Height of Pedestrian Push Button *
Measure in Feet from the middle of the button to the finish grade of the sidewalk

Distance of Pedestrian Push Button *
Measure in Feet from the face of curb or edge of pavement to the face of push button

Picture of Pedestrian Push Button *
Curb Ramps

CASE A

Measure in Percent in several locations and enter the largest number

Ramp Cross Slope Measurement *

SIDEWALK LANDING SIDEWALK
QC/QA Review
Publish to ArcGIS Server

- Download the Data
- Upload to our Enterprise Geodatabase
- Publish as a Rest Service
- Consume in our Organizational Portal
Contact Information

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