

35,311 cobra head streetlights out of total of 50,000. Converting HPS and LPS to Induction. City of SD 300 something square miles.



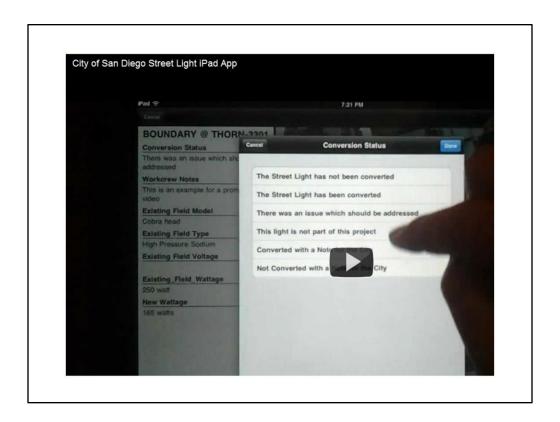
A day, a few days, a week, a month, on a project basis.

## Try it out during this Presentation How to Use **System Architecture** Running in Amazon Cloud. You must have Windows Phone, Android, iOS device Northern California Region. (iPad or iPhone) Windows Server 2008 R2. Download Esri app from Uses Esri ArcGIS Server 10.0 your respective store Service Pack 2 (May 2011). Standard Workgroup. Log in as: (SalServer Express evari\_client limitation: 10 concurrent evari editors) Group "Evari GIS Consulting" Verizon 4gLTE cards StreetLight Playground Apple iPad 2 (restrictions enabled)

This is going to be a bit interactive.

If you want to try out the app we have set up an area where you can try this out.

Evari\_client login will only work when environment is turned on. Contact us if you want it on to show.



In the field, the prime workcrew (not GIS folks, not IT folks, not engineers) are collecting data about each light.

Collect information about MODEL, EXISTING TYPE, EXISTING WATTAGE, EXISTING VOLTAGE, NEW TYPE, NEW WATTAGE, NEW CCT. They write freehand notes about each light and associate pictures with each light. Their not only editing data about points. They are moving, adding and delete points.

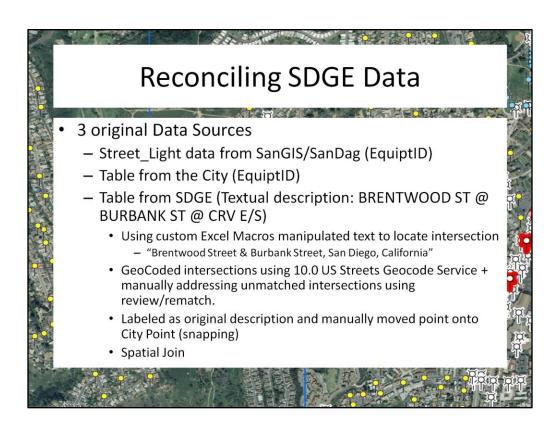
User Interface Video: <a href="http://www.youtube.com/watch?v=hznMLqzeW0Q">http://www.youtube.com/watch?v=hznMLqzeW0Q</a>



This website is hosted by Evari GIS Consulting. There is no reason it can't be hosted at- City of Escondido website: for example. Evari can handle the mapping service and interface with the contractor. The municipality could manage the web application.

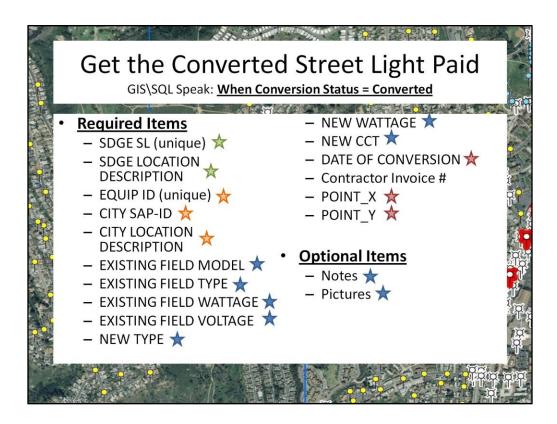
<u>http://50.18.177.135/southernwebmap/</u> - only available during working hours. Real time. Production environment.

Promotional streetlight video: <a href="http://www.youtube.com/watch?v=B6jVqJ3E0">http://www.youtube.com/watch?v=B6jVqJ3E0</a> w

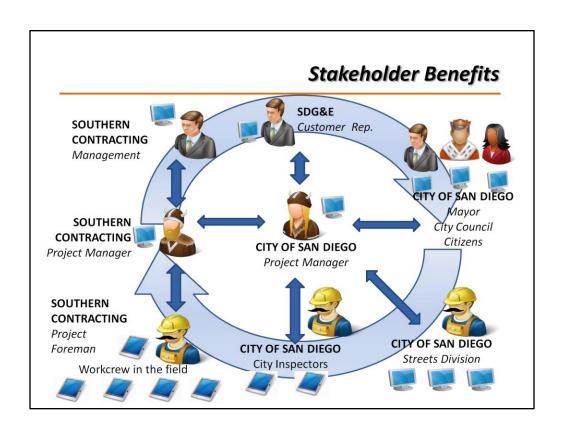


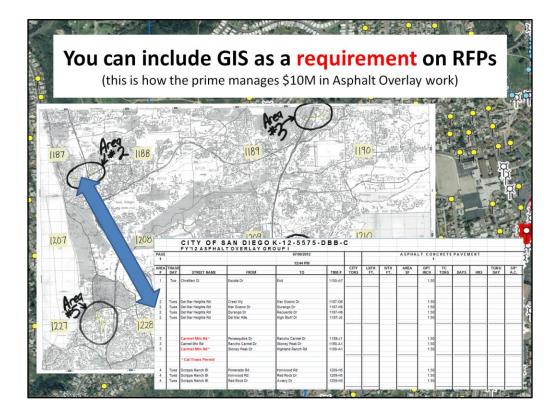
A bit more to it but this is the basic workflow.

All this is going on while workcrews are editing the feature service through iPads = truly "enterprise" system



- 1) Blue Stars Collected by field crews through the iPad
- 2) Orange City data given to us at the beginning of the project
- 3) Green Sdge data
- 4) Red-Batch files and geoprocessing services





- -How would this process work without GIS? Stack of papers. These are your lights for the day. Papers would be filled out and someone in the office would create a spreadsheet with which lights have been converted.
- -This is how \$10M in asphalt overlay is being managed by the prime.
  - -Highlighted road segments
  - -photocopied and rectified Thomas Brothers pages
  - -Post it notes with TB page numbers
  - -Areas identified and spreadsheet with questionable width and length data. Cul-desacs ect.
- -1% of this job is \$100,000. The prime could have a great GIS program for that.
- -Already investing money in solving these issues.
- -Evari can make the sale to benefit the contractor, but it is hard if GIS is not identified in RFP.
- -Municipality won't benefit.



I worked at the Port for 4 years. No one came to Malcolm and I and said, "we are doing a regional fiber project, are you interested in using GIS to help manage the workflow/troubleshoot problems/create a common operational picture."