

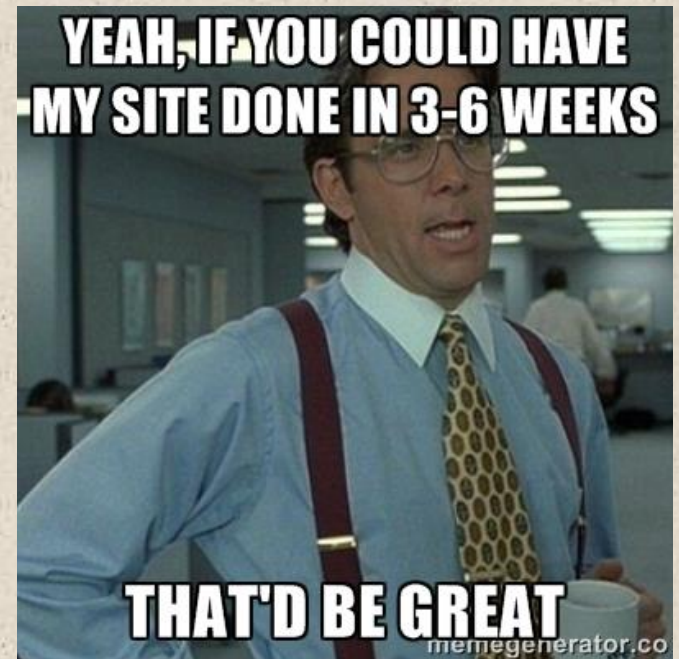
The Best Tool for the Job:

Leveraging Web-Based GIS Applications for ODOT Business



The Transportation Asset Browser (TAB)

- Spiral 1 focused on framework for application
- Design/layout
- Data presentation
- Basic map displays
- Basic queries
- Addition of WMS/WFS functionality



Initial View

Oklahoma GIS Transportation Asset Browser

Target Year: 2013 | Inventory Data | Street View | Measure Distance | My Areas | Add Map Layers | Quick Tips | Reports | What's Here | Selected Area | Print Map | Help

Map Content

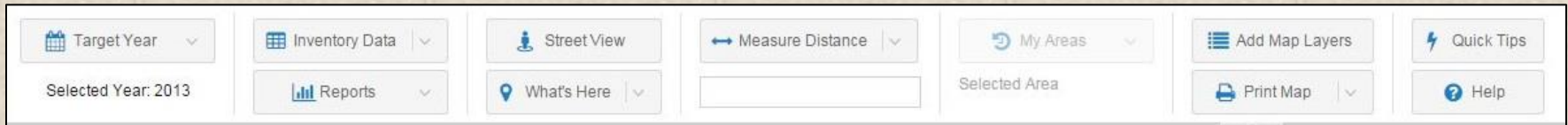
Base Maps

- Google Street
- Google Hybrid
- Google Satellite
- Google Terrain
- Open Street Map
- MapQuest OSM
- MapQuest Aerial
- None

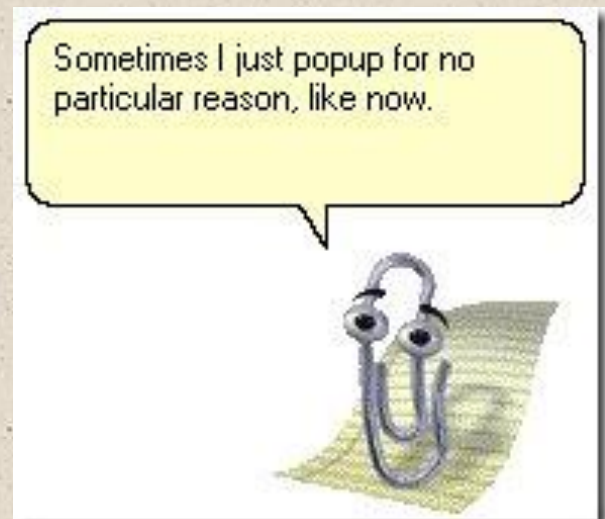
Map Layers

- Display Order
- Pinned Queries
- Feature Info

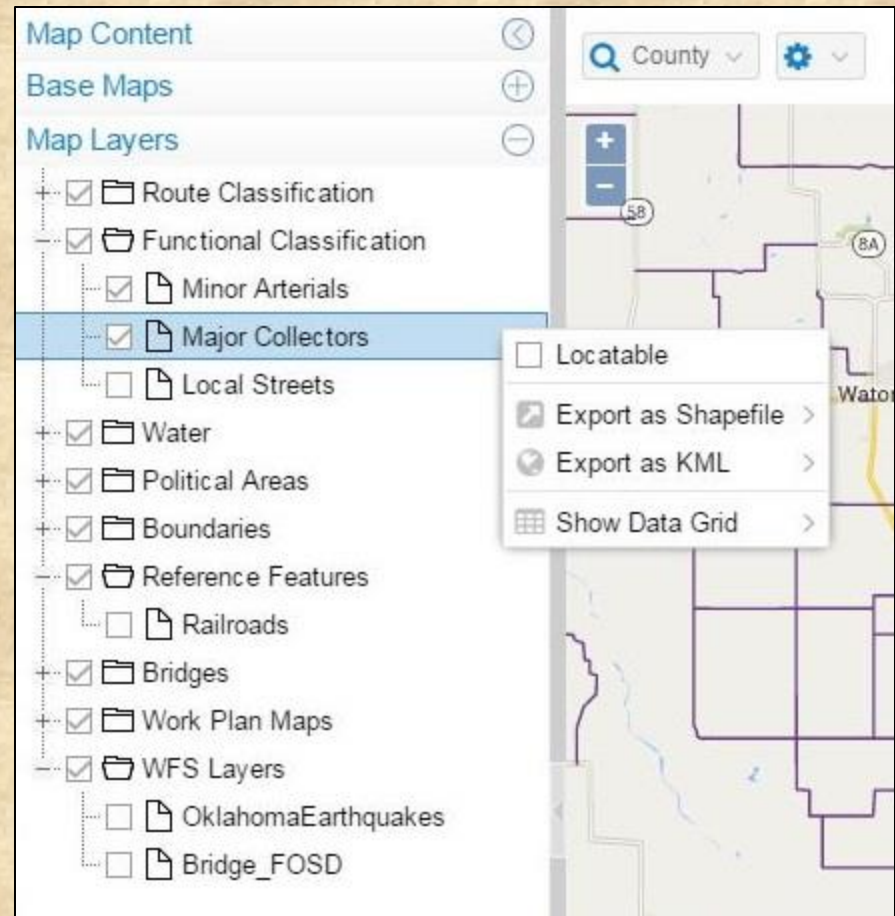
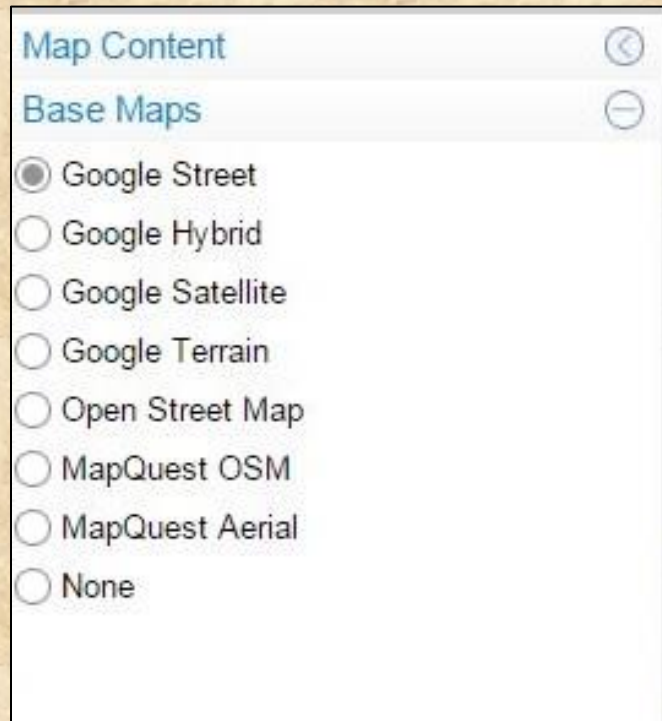
Main Toolbar



- Change year to access historical data
- Tabular/grid views
- Reporting
- “What’s Here”
- Street View
- Measure
- Add Data
- Print Functions



Basemaps & Map Layers



Main View

Oklahoma GIS Transportation Asset Browser

Target Year: 2013 | Inventory Data | Street View | Measure Distance | My Areas | Add Map Layers | Quick Tips
 Selected Year: 2013 | Reports | What's Here | City of PONCA CITY | Print Map | Help

Map Content: Roadway | Traffic | US Roadways | U060 | 2006 | Go | Pin
 Base Maps | Map Layers | Display Order | Pinned Queries
 Style | Map | U077 - Traffic (2006) | U060 - Traffic (2006)

Map data ©2015 Google | Terms of Use | Report a map error

I_VALID_DATE	NLF_ID	I_LRM_KEY_NAME	BEGIN_MEASURE	END_MEASURE	ROUTE_NAME	ROUTE_SERVICE_	SPEED_LIMIT	ADT	AADT_SINGLE_UNI	AADT_COMBINATI	LANE_USE	THROUGH
2006	1804 0000	1804 0000	0	3.03	U060	U		1700				
2006	1804 0000	1804 0000	3.03	12.19	U060	U		2000				
2006	1806 0000	1806 0000	0	1.26	U060	U		5300				
2006	1806 0000	1806 0000	1.26	3.25	U060	U		8100				
2006	1806 0000	1806 0000	3.25	3.75	U060	U		8400				

Export | Delete | Zoom To | Page 1 of 1 | Displaying 1 - 50 of 215 | Export Results

Feature Info

Map Content	⊖
Base Maps	⊕
Map Layers	⊕
Display Order	⊕
Pinned Queries	⊕
Feature Info	⊖
Name ↑	Value
AADT_COM...	
AADT_SING...	
ADT	
BEGIN_MEA...	0
END_MEAS...	9.37
FACILITY_T...	
ID	87861
I_LRM_KEY_...	3630 N0000
I_VALID_DATE	2006
LANE_USE	
NLF_ID	3630 N0000
NUMBER_SI...	
PCT_GREEN...	
PCT_PASS_...	
PEAK_PARK...	
ROUTE_NAME	U060
ROUTE_SER...	U
SIGNAL_TYPE	
SPEED_LIMIT	
STOP_SIGNS	
THROUGH_L...	
TOT LENGT...	
TOT LENGT...	
TURN_LANE...	

U077 - Traffic (2006)												
I_VALID_DATE	NLF_ID	I_LRM_KEY_NAME	BEGIN_MEASURE	END_MEASURE	ROUTE_NAME	ROUTE_SERVICE_	SPEED_LIMIT	ADT	AADT_SINGLE_UNI	AADT_COMBINATI	LANE_USE	THROUGH
2006	1006 0000	1006 0000	0	0.85	U077	U		3700				
2006	1006 0000	1006 0000	0.85	4.04	U077	U		3100				
2006	1006 0000	1006 0000	4.04	4.53	U077	U		4200				
2006	1006 0000	1006 0000	4.53	5.75	U077	U		3800				
2006	1006 0000	1006 0000	5.75	5.88	U077	U		4800				
2006	1006 0000	1006 0000	5.88	6.04	U077	U		5700				
2006	1006 0000	1006 0000	6.04	7.14	U077	U		9500				
2006	1006 W0575	1006 W0575	5.75	7.14	U077	U						
2006	1008 0000	1008 0000	0	0.91	U077	U		15400				
2006	1008 0000	1008 0000	0.91	0.94	U077	U		15300				
2006	1008 0000	1008 0000	0.94	1.71	U077	U		9900				

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Spiral 2

- Admin console
- Advanced query
- More sophisticated print function
- Integration with Apollo for imagery
- One button click access to commonly used queries, etc.
- Mobile?



Other Web Mapping

- On-Demand, single use maps
- Wide variety of uses
- Currently in use across the agency with thousands of map views
- <http://ok.maps.arcgis.com/apps/Viewer/index.html?appid=7eafa553157b4637a9e2ef9655067f3b>
- <http://ok.maps.arcgis.com/apps/Viewer/index.html?appid=95cf24fd249a460496d3b15575fa51cd>

Other Web Mapping

- Mobile data collection
- Stand-alone applications

