



## ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE, INC. ("ESRI") AGREEMENT RENEWAL

Innovation and Technology  
Department

City Council  
October 23, 2018

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### ISSUE

Approval of three-year Enterprise Licensing Agreement (ELA) with Environmental Systems Research Institute, Inc., (ESRI) of Redlands, California, from July 1, 2018, to June 30, 2021, in the amount of \$1,071,000.



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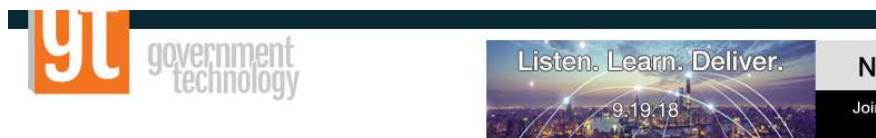
## BACKGROUND

1. 1989-1996: The City of Riverside implemented "CADME" electronic mapping system for approximately \$15 Million dollars
2. 2006: The City of Riverside subscribed to an initial ESRI enterprise license agreement
3. The agreement is renewed every 3 years



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### PAST ISSUES OF GOVERNMENT TECHNOLOGY

#### CADME Comes Through

*Riverside Calif.'s Computer Aided Drafting, Mapping and Engineering (CADME) system put mapping into the fast lane.*

BY JOHN KELLY / JUNE 30, 1996



When citizens of Riverside, Calif., walk into the Public Utilities Department and ask to expand or modify service, the response they get is much different than in past years. Within minutes, the customer service representative enters the person's address on a computer and pulls up a map display (complete with an aerial photograph) detailing electric, water and sewer service in the vicinity, as well as streets, sidewalks, buildings, trees, and other important land features. Sixty different layers of data can be accessed,

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## GIS SERVICES

1. Data Maintenance & Processing
  - a. Approximately 400 GIS Data Layers
2. Mapping
  - a. 311 Call Maps, Utility Maps, Zoning, General Plan, Homelessness Response, Code Enforcement, Fire Department Truck Map book
3. GIS Applications & Integrations
  - a. Esri GIS AGOL and Portal
  - b. CADME, GoEnforce, CAD, RMS, Online Viewers, Mobile Apps
4. GIS Projects
  - a. Building Permit Computronix
  - b. GrowRiverside Food Sustainability
  - c. CEDD Housing Element Mapping



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## GIS IS USED IN THE CITY BY THE FOLLOWING DEPARTMENTS



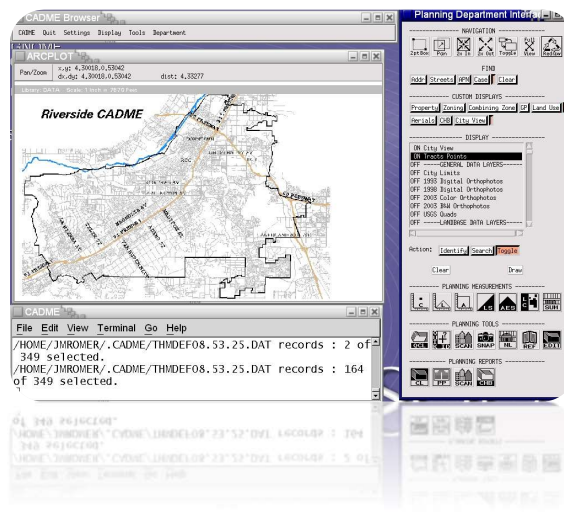
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## HOW IS GIS USED IN THE CITY?

### CADME

1. Building and Safety
2. Planning
3. Public Utilities
4. Public Works
5. 400 +/- GIS Layers
6. Approximately 325 Users in 2018



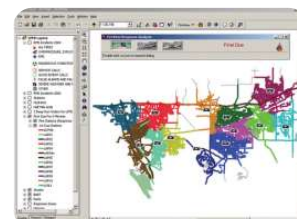
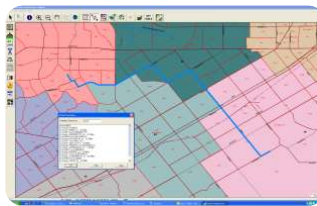
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## HOW IS GIS USED IN THE CITY?...

### Public Safety

1. CAD
2. RMS
3. Advance Tactical Mapper (ATM)
4. Crime View Dashboard
5. Fire View



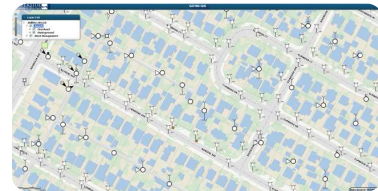
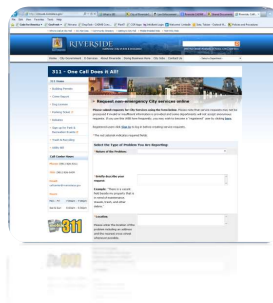
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## HOW IS GIS USED IN THE CITY?...

### City Services

1. 311
2. GO165
3. Property Viewer
4. Graffiti Abatement

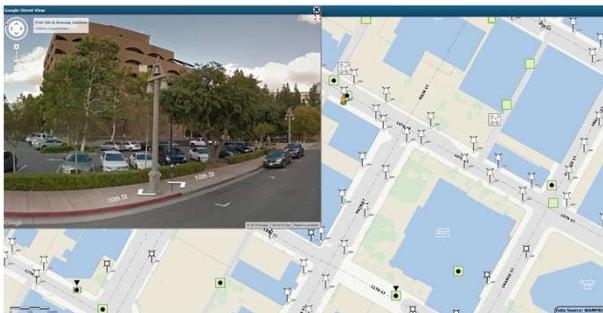


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## GO 165 ELECTRIC UTILITY FIELD MAPPING



**Schedule Information**

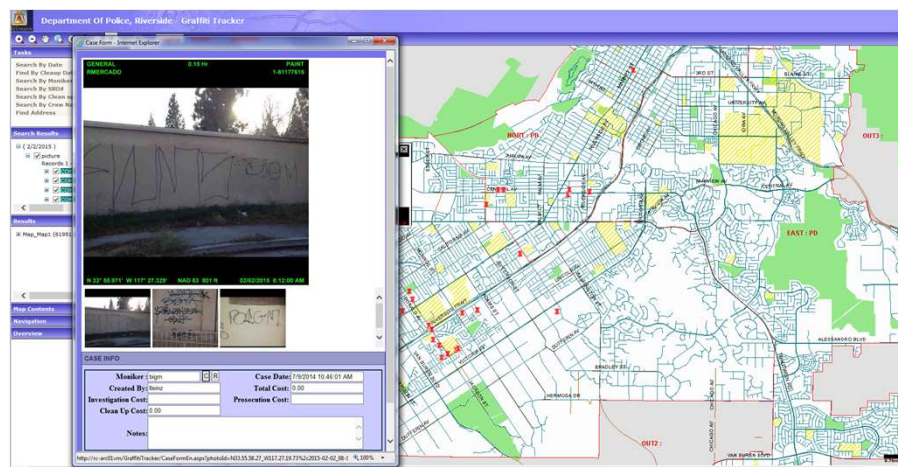
Client:	6133	Date Range:	11/18/2014 - 11/20/2014
Supervisor:	KELLY STARKEY	Supervisor:	DAVE MCLELLAN
Supr Cell Phone:	951-840-8629	Supr Cell Phone:	951-323-5937
Project ID:	180912	Subproject ID:	02
Work Order No:	1218421	Work Order Task No:	03
Service Request No:		Expense Code:	070823XX
Task Description:	CONSTRUCTION / INSTALL - GO 165 Pole Replacement, 2042 Main St. @ Poplar St., Pole 10143, Replace per DEAC Insulative Pole Inspection. Manufacture & Replace Pole, MOI=4, Within 3 years.		
Asset Record Type:	0	Asset ID:	10143
Map Page/Grid:	25-3	Planner:	ESMUT

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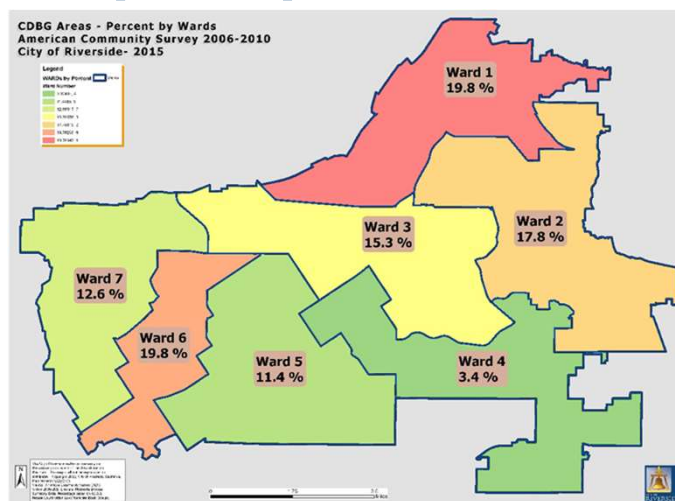
## GRAFFITI TRACKER



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## COMMUNITY DEVELOPMENT BLOCK GRANT (CDBG) TRACKING



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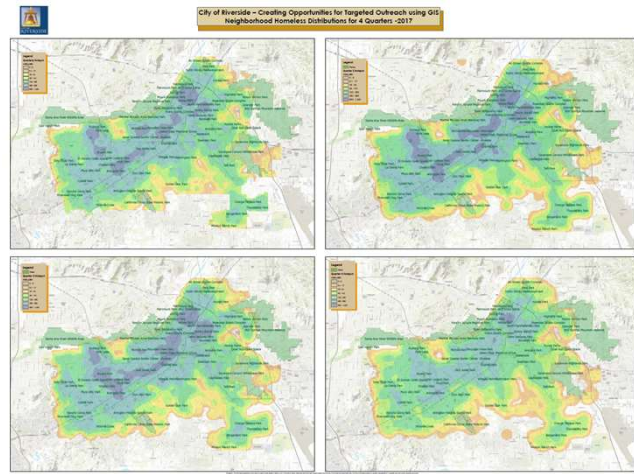
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## HOMELESS TRENDS OVER TIME

### Homeless Response

1. Hotspot Analysis –
2. Trends show change in location by Quarter.
3. 4<sup>th</sup> Quarter shows reduction in blue areas due to removal of bus station to San Bernardino.



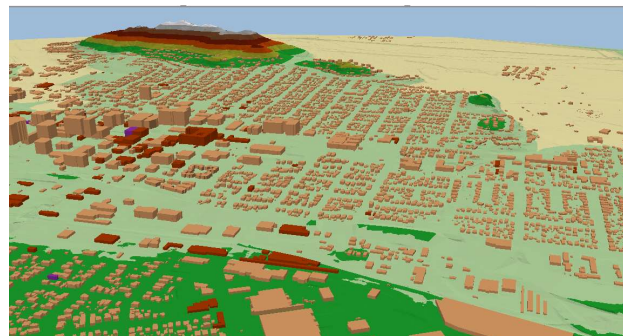
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## 3D VISUALIZATION

BRICK – UNREINFORCED MASONRY  
BUILDING DISTRIBUTION  
CITY OF RIVERSIDE GIS

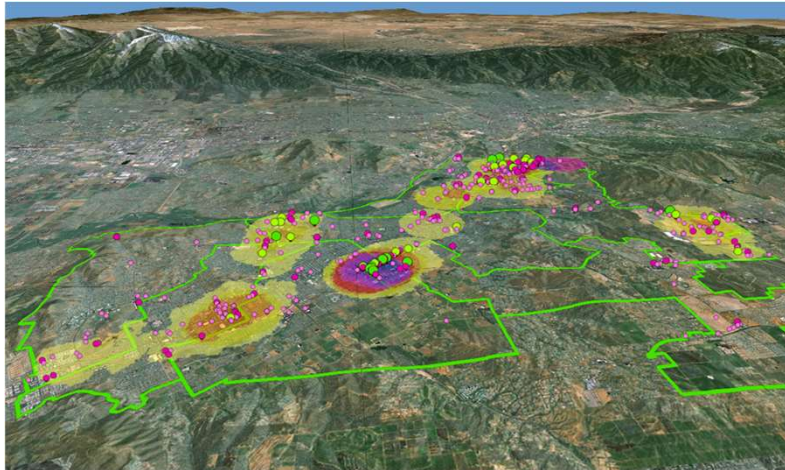


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## BUSINESS TAX LICENSE TRENDS – HOTSPOT ANALYTICS

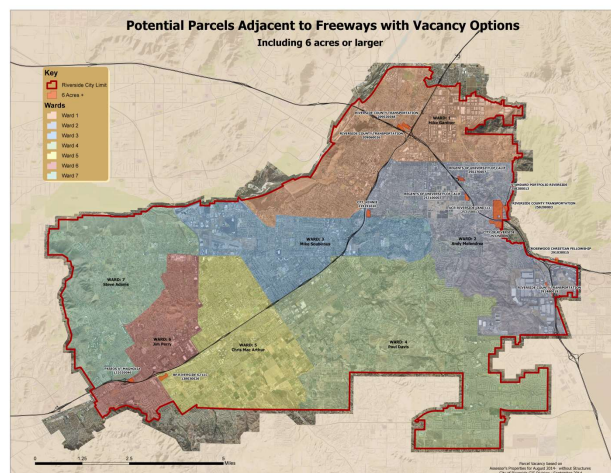


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## COMMUNITY DEVELOPMENT

1. Planning Analysis
2. Permitting
3. Zoning and Land Use Code Enforcement
4. Economic Cost Assessments
5. Grant Analysis Opportunities for Block Grant
6. Historical Resources Mapping
7. Environmental Planning













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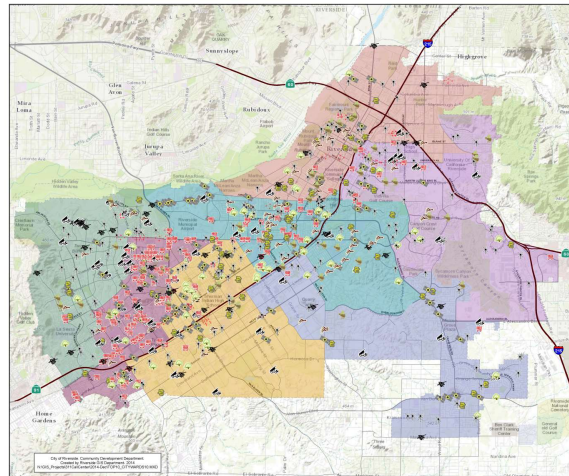


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## 311 CALL CENTER TOP TEN CONCERNS BY WARD

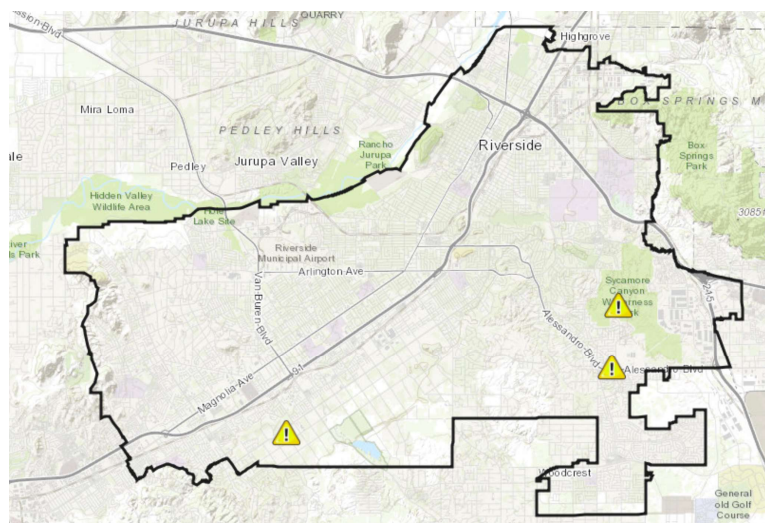
Legend SOLUTION	Count: 958 Total
 RPU, Street Light Out	233
 Dumping, Shopping Cart	221
 Street, Pothole, Asphalt Street	92
 Tree, Limb or Tree, Broken or Fallen	70
 Call Center, City Claim Form	68
 Tree, Overgrown, Trim Request	60
 Street, Debris in Street	57
 Animal, Dead, Pick-up	57
 Dumping, Public Right of Way	51
 Code, Debris, Homeless	49



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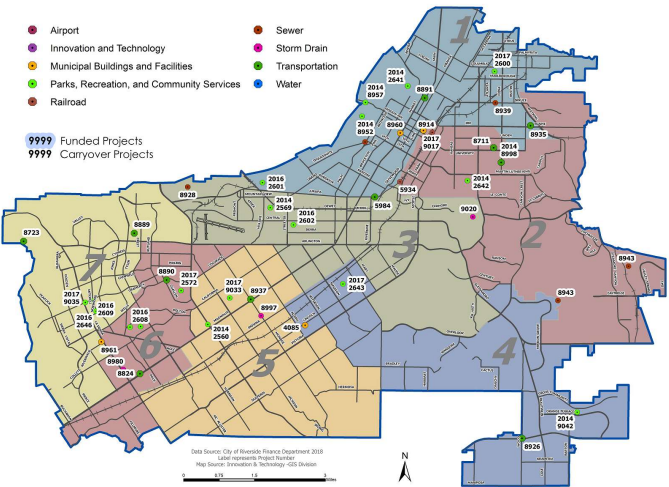
## RPU OUTAGE MANAGEMENT



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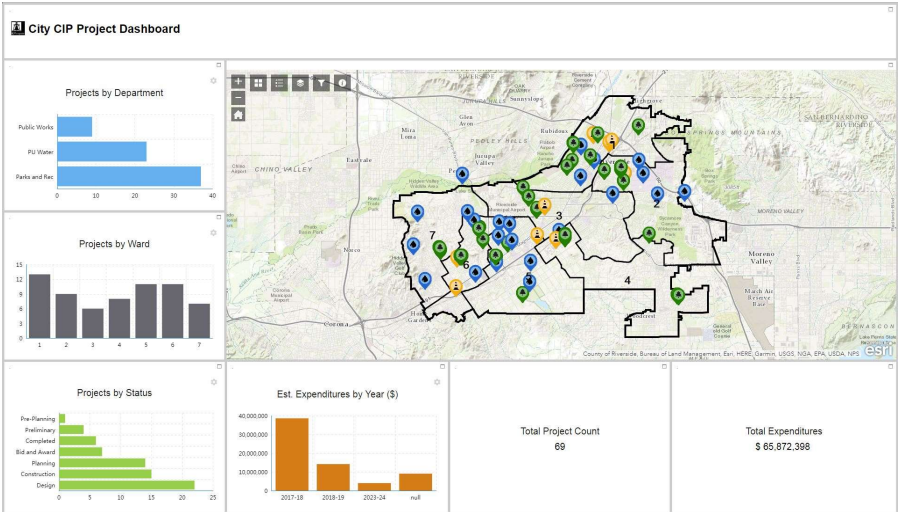
# CAPITAL IMPROVEMENT PLAN



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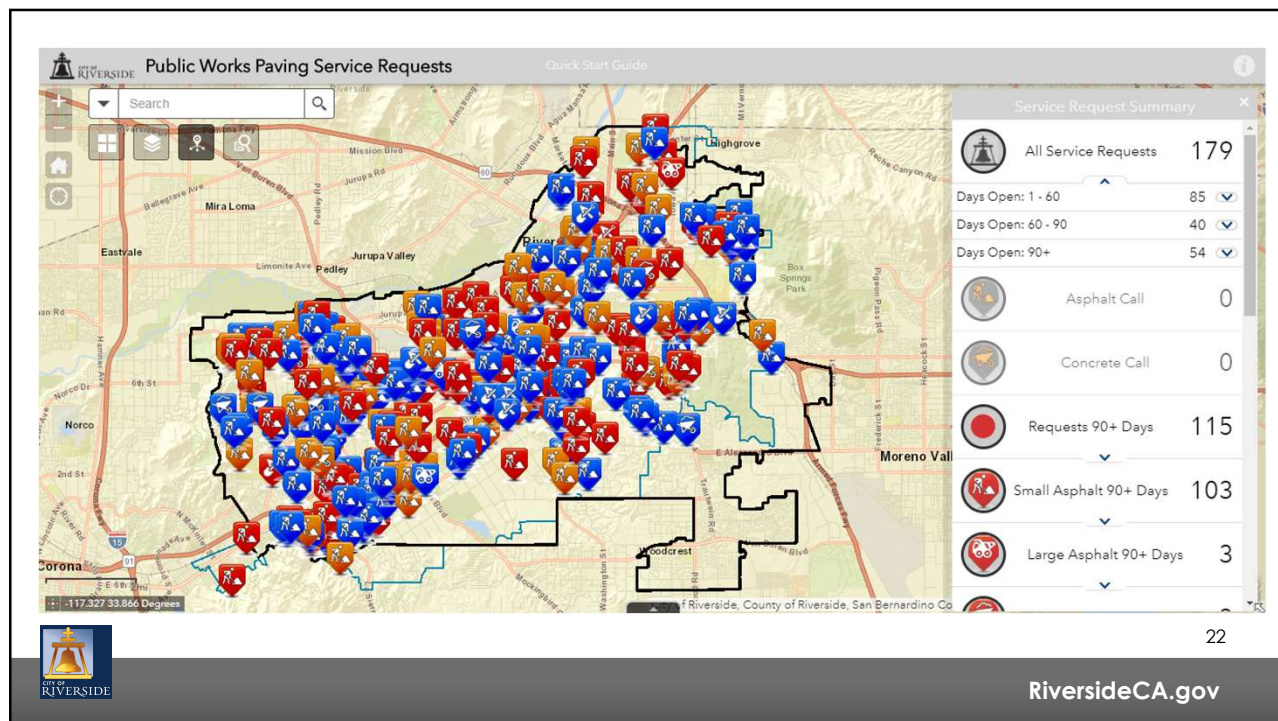
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# CAPITAL IMPROVEMENT PLAN



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## RECOMMENDATIONS

That the City Council:

1. Approve the three-year Enterprise Licensing Agreement (ELA) with Environmental Systems Research Institute, Inc., (ESRI), from July 1, 2018, to June 30, 2021, in the amount of \$340,000 in fiscal year 2018-2019, \$350,000 in fiscal year 2019-2020, and \$381,000 in fiscal year 2020-2021;
2. Authorize the City Manager, or designee, to execute all documents pursuant to the ELA with ESRI, including making minor non-substantive changes, including annual renewals; and
3. Authorize change order authority pursuant to the ELA with ESRI for up to 15%.

