Bexar County Public Works

Utilizing Emerging Technologies

(TXAPA 2015 Annual Meeting)

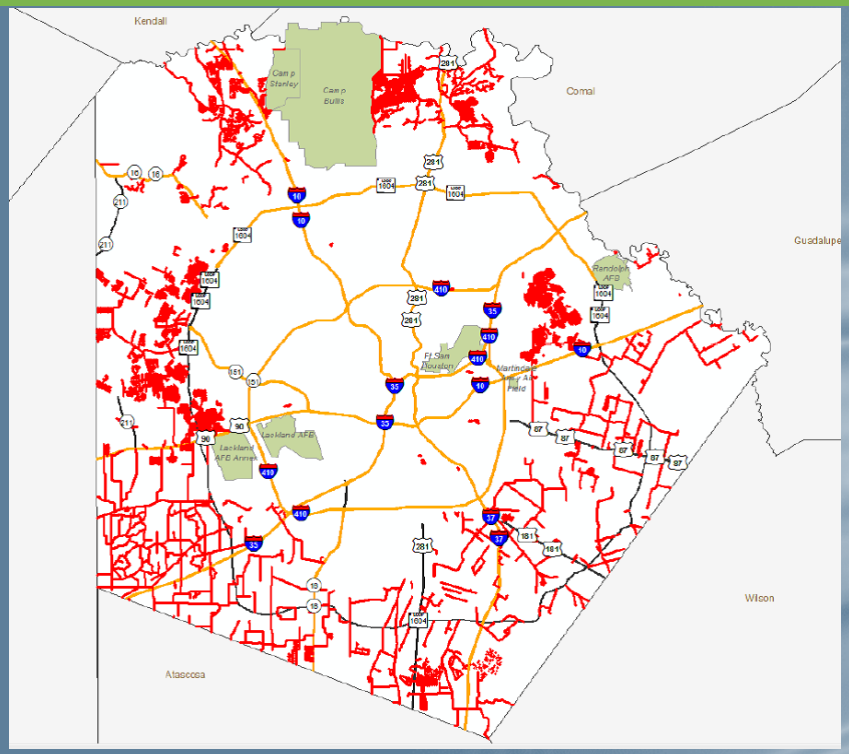
Bexar County Public Works

UTILIZING EMERGING TECHNOLOGIES ON BEXAR COUNTY PAVEMENT MAINTENANCE PROJECTS

Tony Vasquez

Public Works Division Chief

Bexar County Public Works



Bexar County Network

- Over 1,350 Center Line Miles
- Over 3,000 Lane Miles
- Distributed over Rural & Urban Areas

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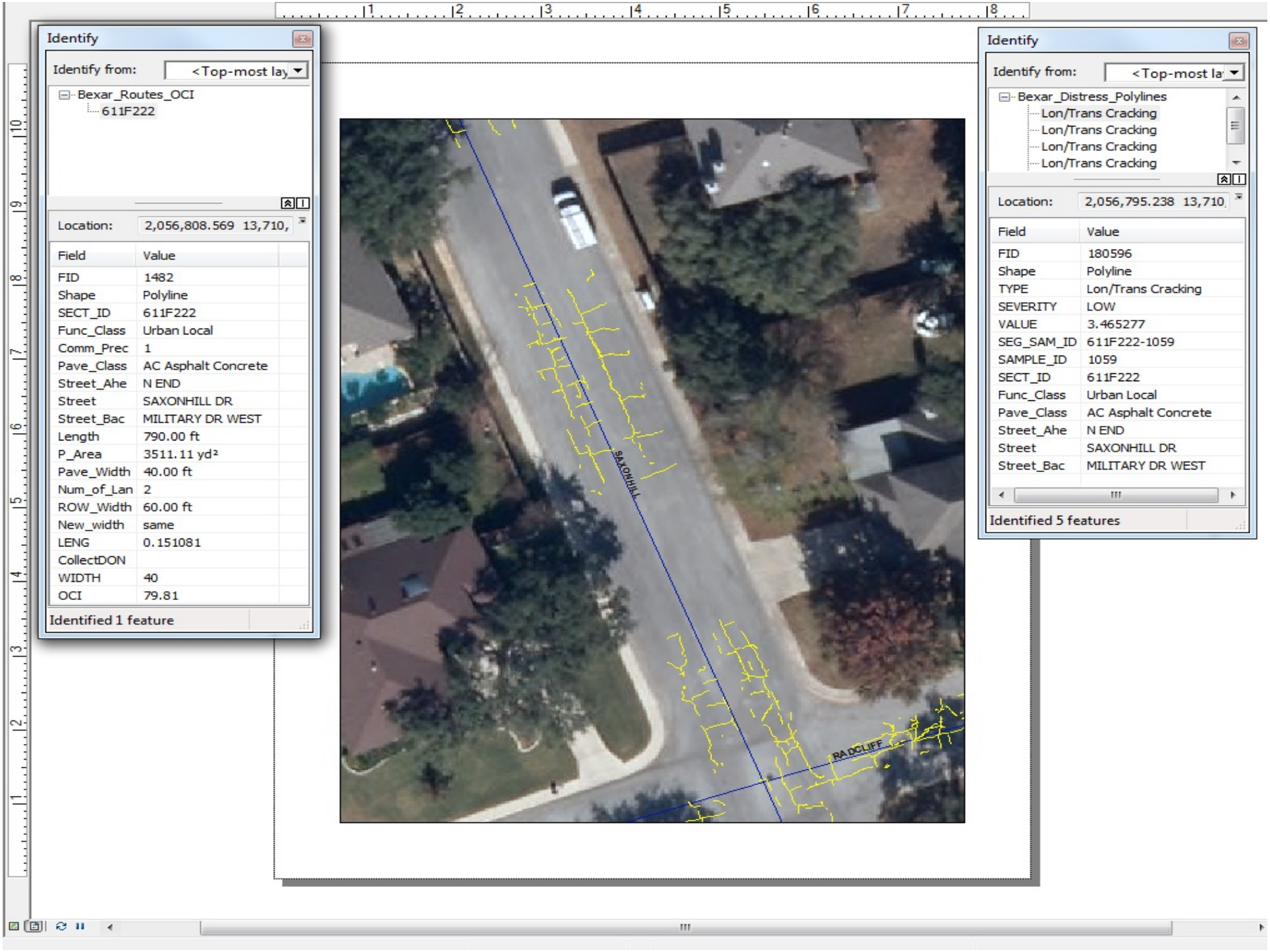
PAVEMENT PRESERVATION PROGRAM

Pavement Data Collection - OCI

- Cracking Index
- Rutting Index
- Ride Index

Distress Shape Files

- Long/Trans Cracking – Linear Distress
- Alligator/Block Cracking – Polygon Distress
- Rutting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Comm_Prec
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Pave_Class
AC Asphalt Concrete
Street_Ahe
N END
Street
SAXONHILL DR
Street_Bac
MILITARY DR WEST
Length
790.00 ft
P_Area
3511.11 yd²
Pave_Width
40.00 ft
Num_of_Lan
2
ROW_Width
60.00 ft
New_width
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LENG
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CollectDON
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OCI
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SAXONHILL
RADCLIFF
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Lon/Trans Cracking
Lon/Trans Cracking
Lon/Trans Cracking
Lon/Trans Cracking
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Street_Bac
MILITARY DR WEST
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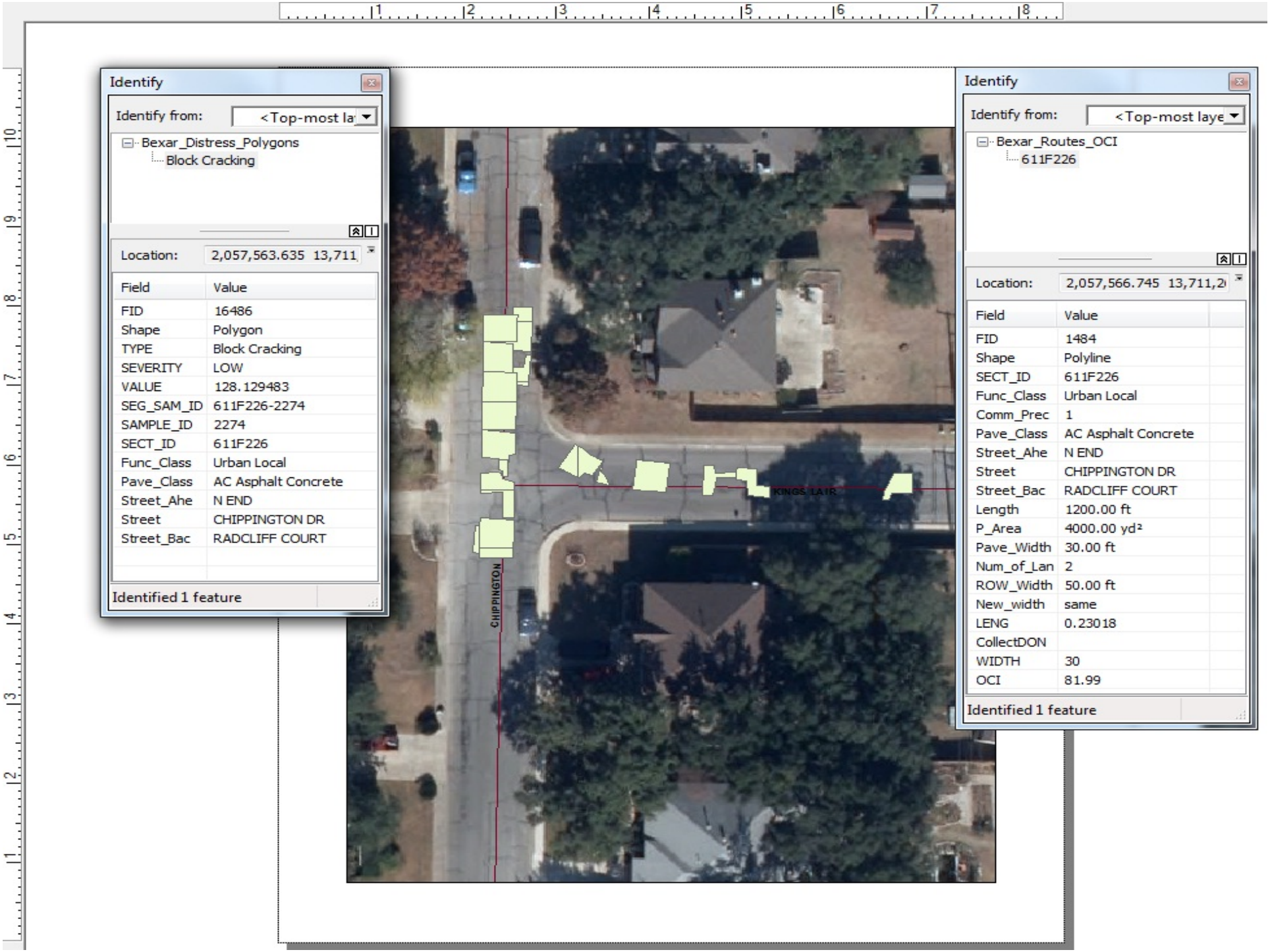
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Street_Ahe
N END
Street
CHIPPINGTON DR
Street_Bac
RADCLIFF COURT
Identified 1 feature
CHIPPINGTON
KINGS LAIR
Identify
Identify from:
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Street_Ahe
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Street
CHIPPINGTON DR
Street_Bac
RADCLIFF COURT
Length
1200.00 ft
P_Area
4000.00 yd²
Pave_Width
30.00 ft
Num_of_Lan
2
ROW_Width
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New_width
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LENG
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CollectDON
WIDTH
30
OCI
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Identified 1 feature

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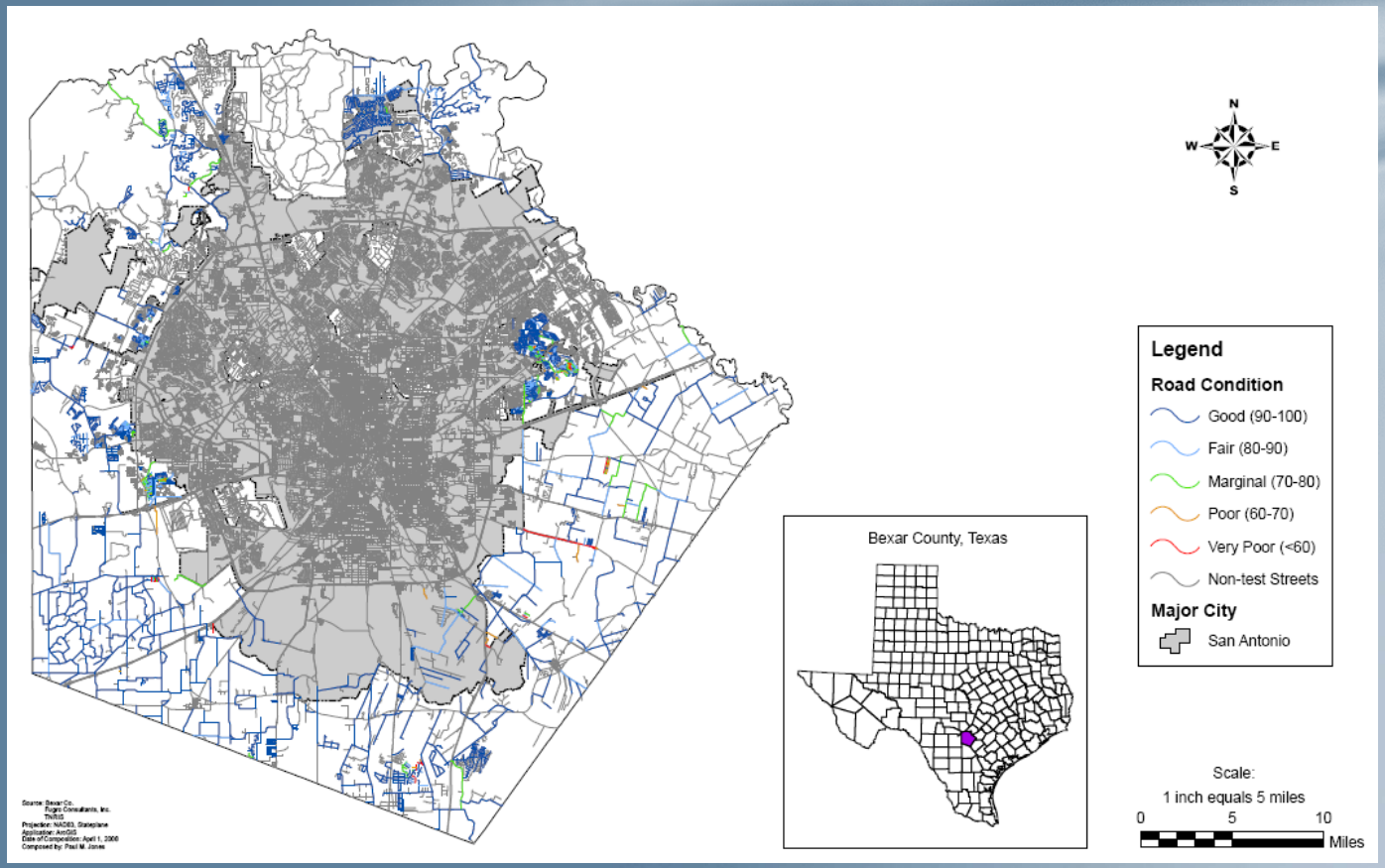
Distress Index



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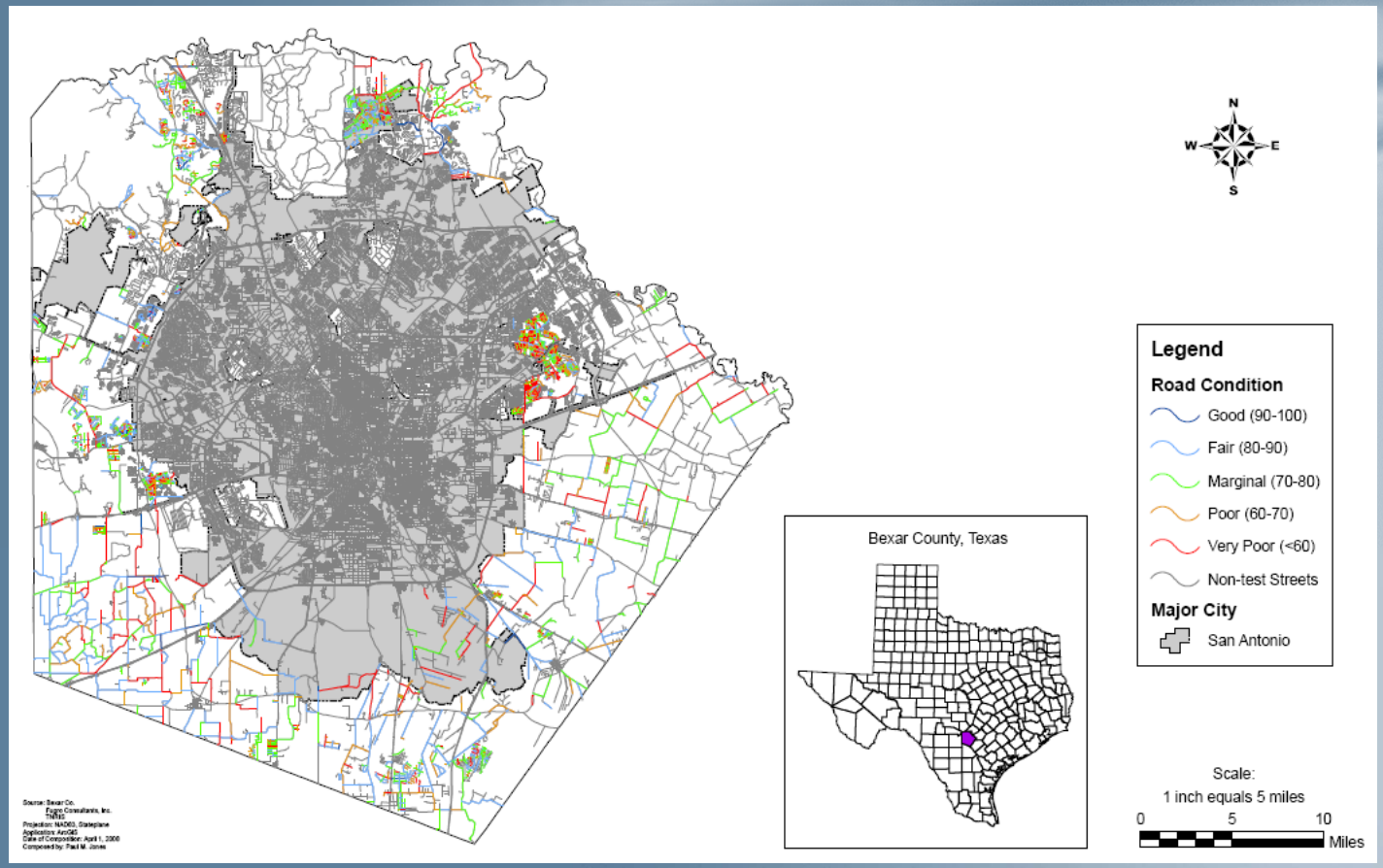
Ride Index



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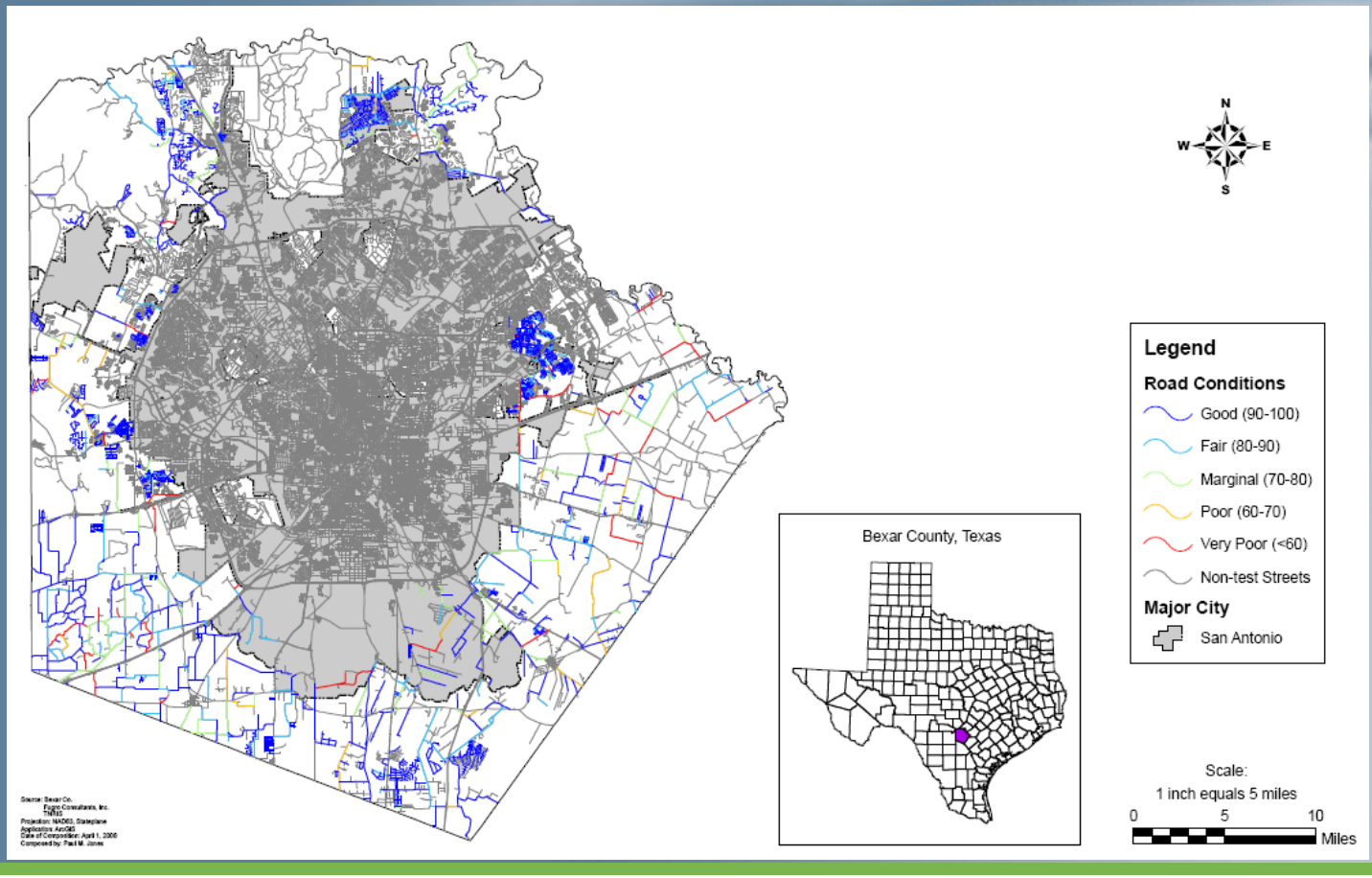
Rutting Index



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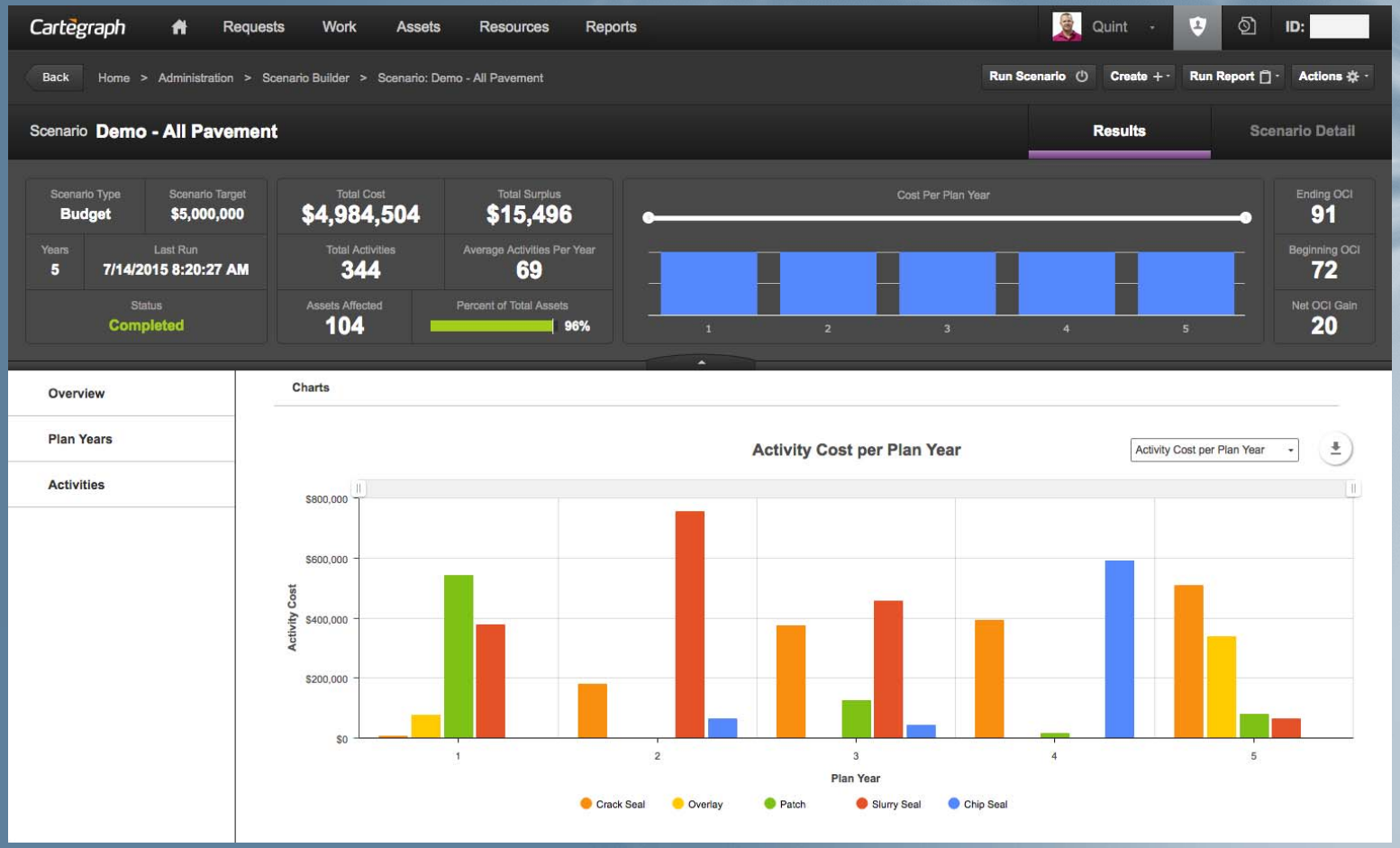

Bexar County Public Works

Activity List

Sequence Number	Plan Year	Projected Date	Asset ID	Activity	Activity Cost	Impact	Cost Per Impact	Estimated OC..
30	1	7/15/2015	2081025	Patch	$16,797.50	27.7	$606.41	61.15
31	1	7/15/2015	2081145	Patch	$13,439.00	26.89	$499.78	61
32	1	7/15/2015	2081065	Patch	$4,745.00	27.65	$171.61	61.07
33	**1**	**7/15/2015**	**2081040**	**Overlay**	**$23,582.80**	**40.01**	**$589.42**	**59.99**
34	1	7/15/2015	2081080	Overlay	$23,968.00	39.32	$609.56	59.82
35	1	7/15/2015	2081035	Overlay	$28,527.40	39.73	$718.03	59.41
36	1	7/15/2015	2050135	Slurry Seal	$54,216.00	13.62	$3,980.62	77.37
37	1	7/15/2015	2050055	Slurry Seal	$41,392.00	14.25	$2,904.70	76.74

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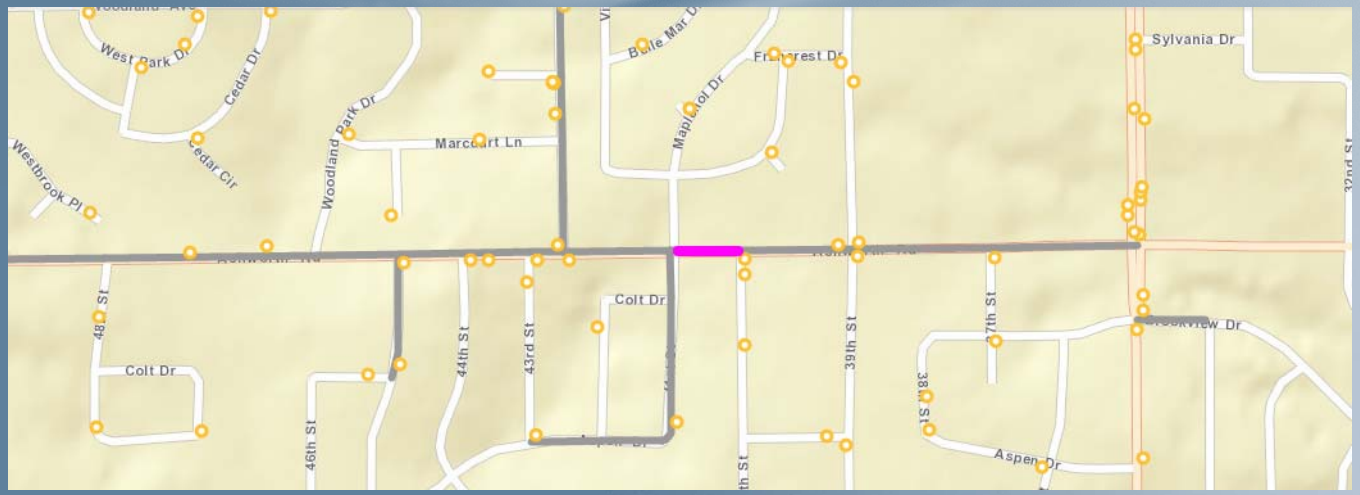

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QUESTIONS?

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