## City of Greeley Pavement Management Programs

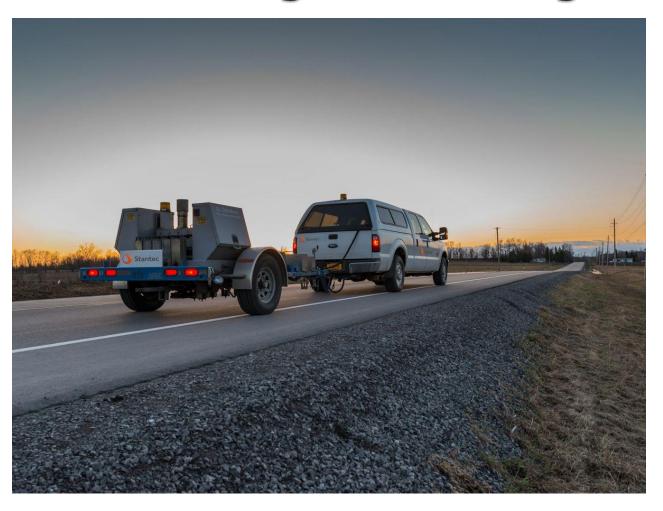




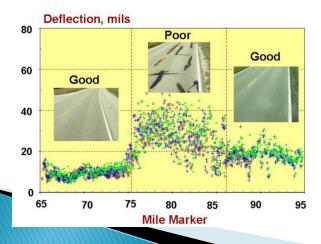


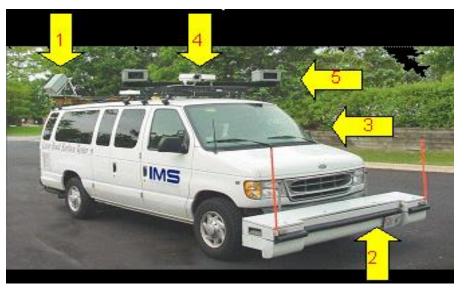
#### **Greeley History**

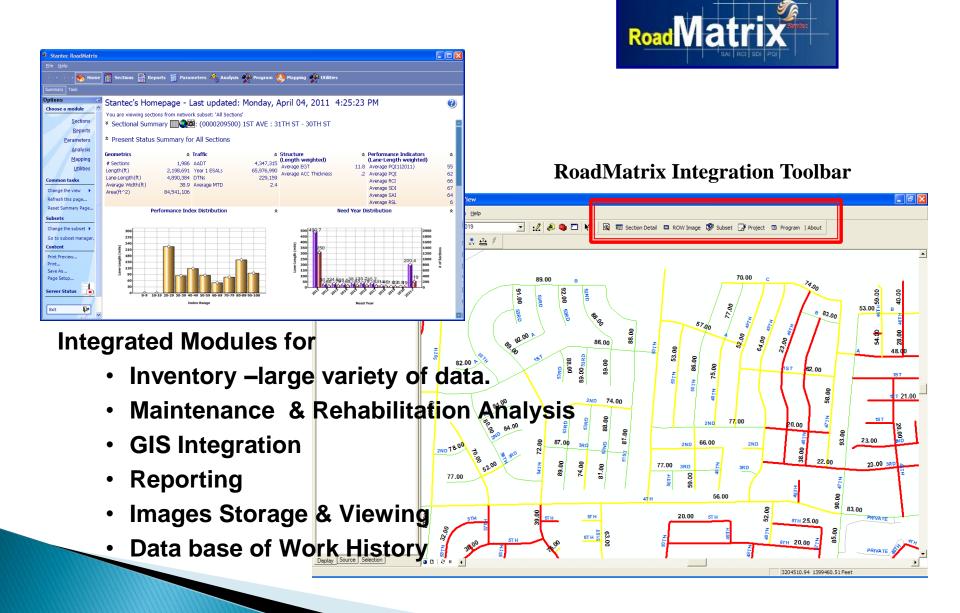
- City of Greeley's PMP System began in 1986.
- It was 2000 that we began to see the ability to use GIS with this system to help with our management of the infrastructure.
- Today we manage 400+ miles of our roadway system.
- We have upgraded our PMP many times with a major upgrade this year in the software.

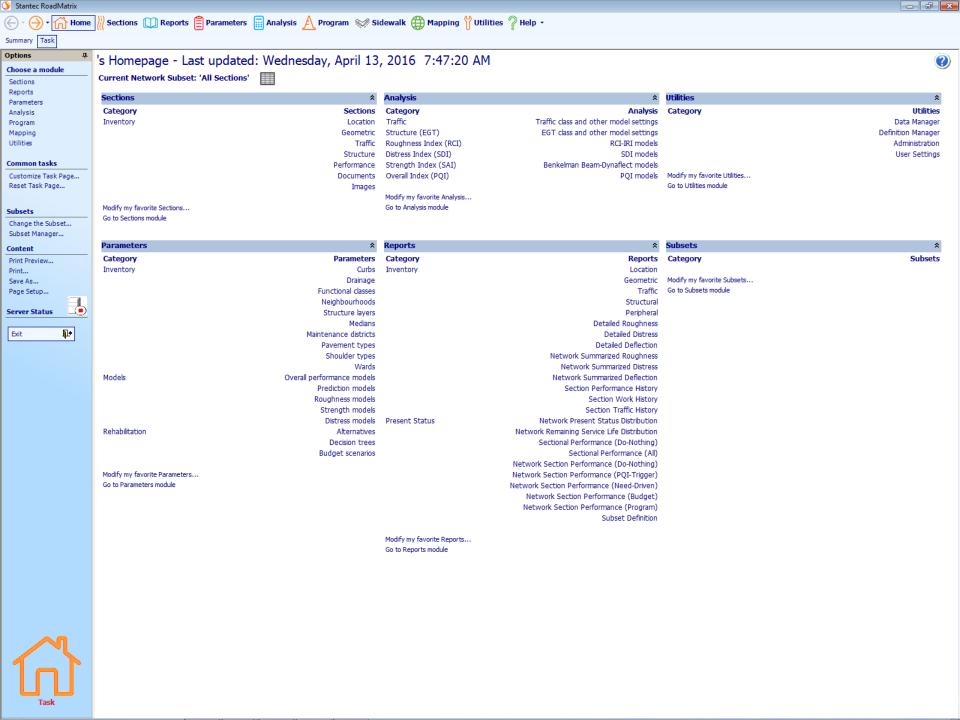


- A typical rating unit can provide a great deal of data.
- ▶ 1 and 2- Greeley collects- Roughness, Rutting, and Geometrics.
- 3 Full suite of Surface Distresses.
- 4 GPS coordinates, Data location verification and production views.
- 5 Video.





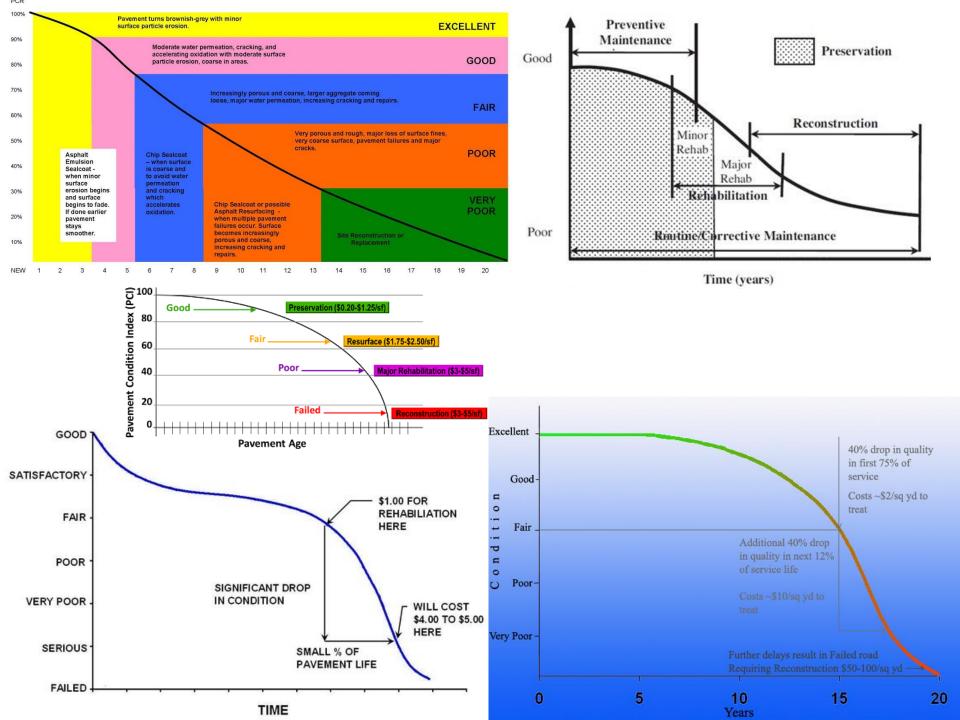


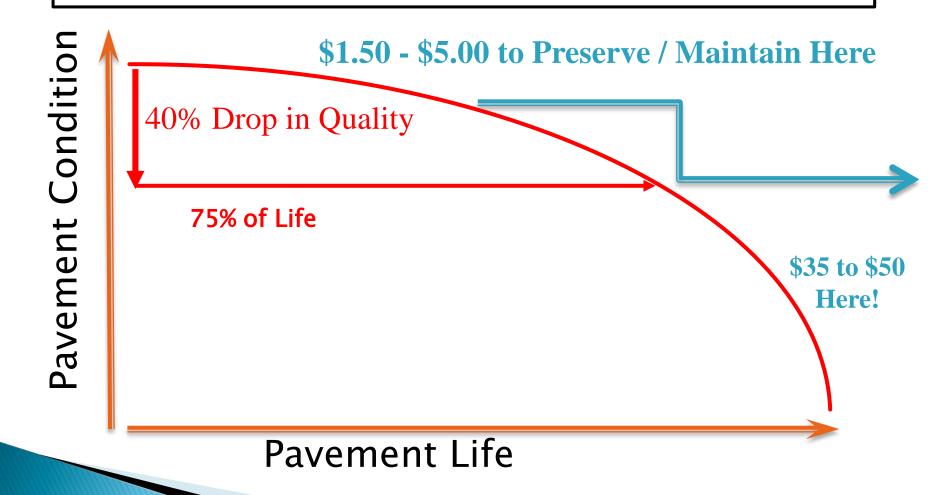


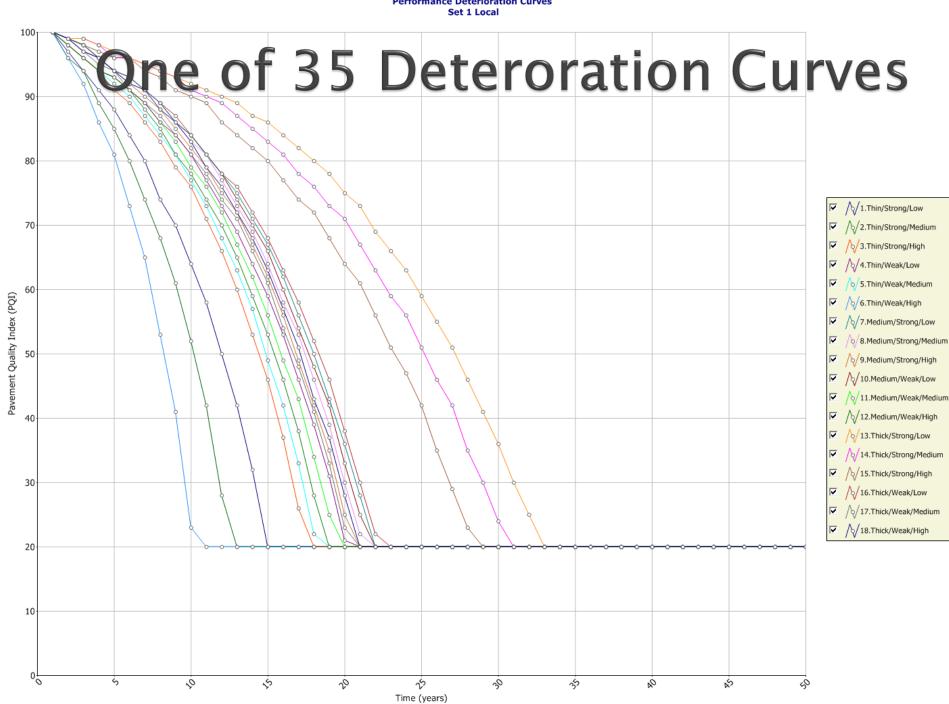
#### Present Status

- PQI (Pavement Quality Index)
  - 0–100 scale (100 being excellent)
  - Indicates overall quality/serviceability of a roadway
  - Calculated through a combination of indices...
    - RCI (Ride Comfort Index)
    - SDI (Surface Distress Index)
    - SAI (Structural Adequacy Index)

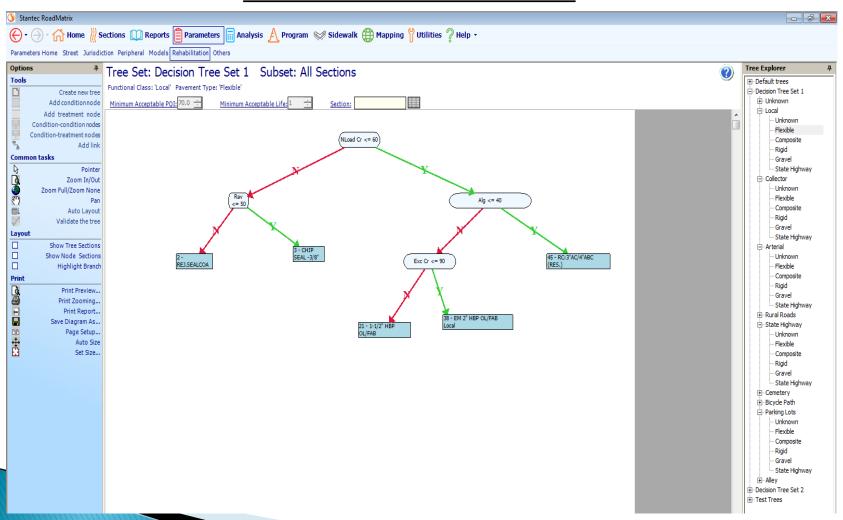


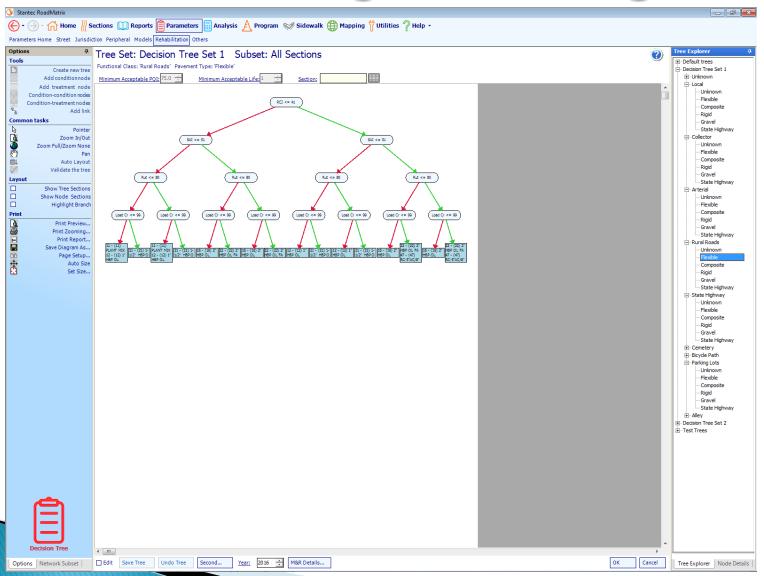




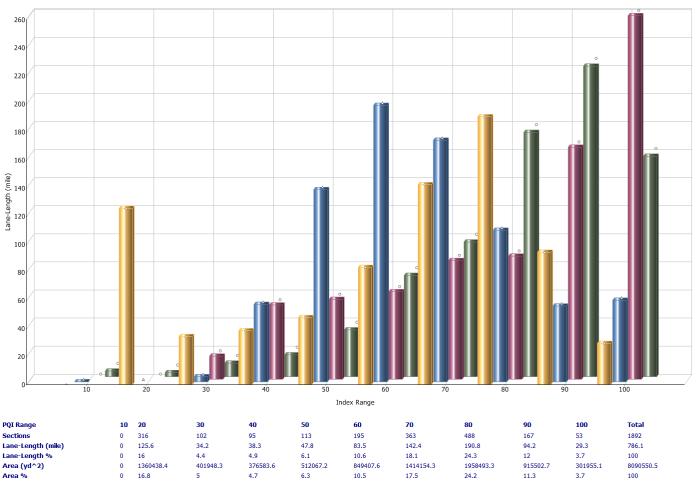


#### **Our Decision Trees**



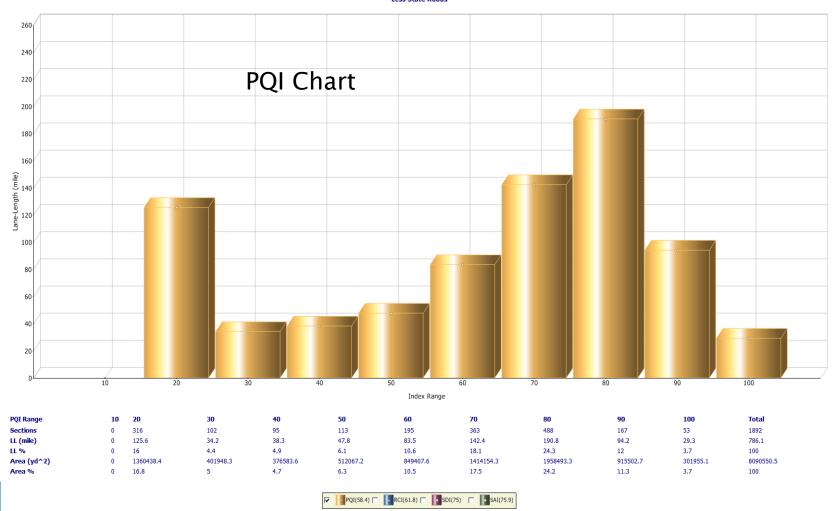


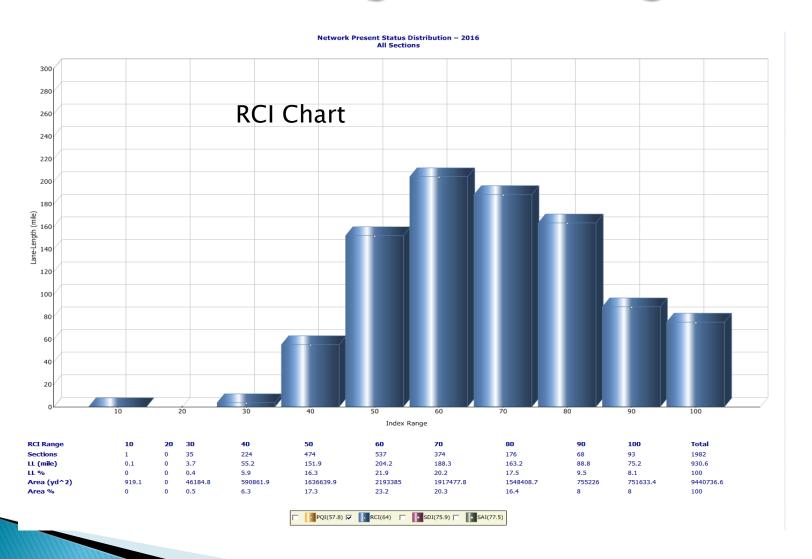
Network Present Status Distribution – 2016 All Streets less State

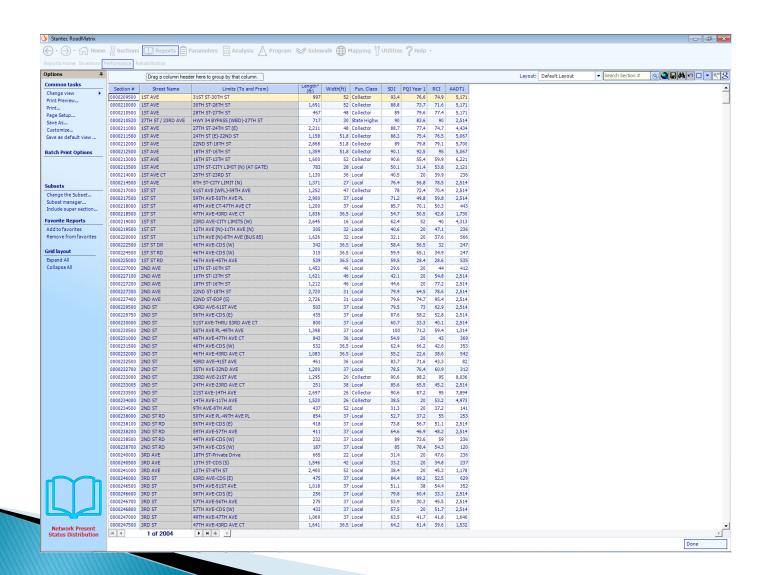


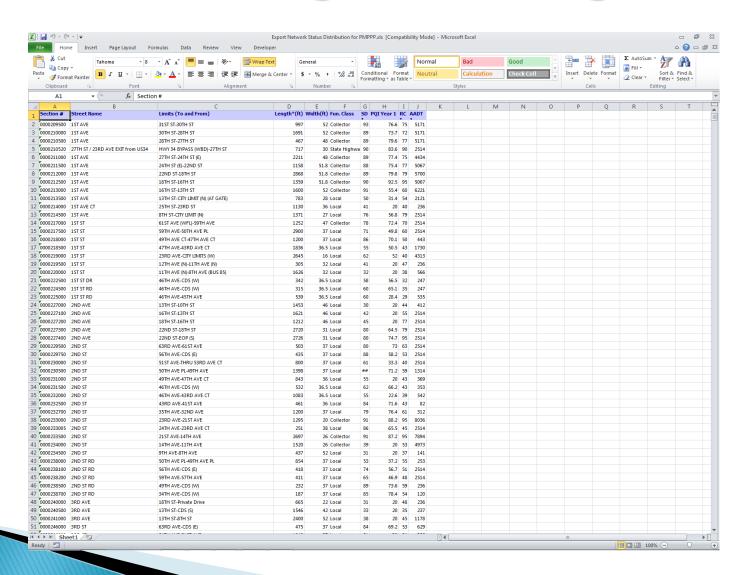


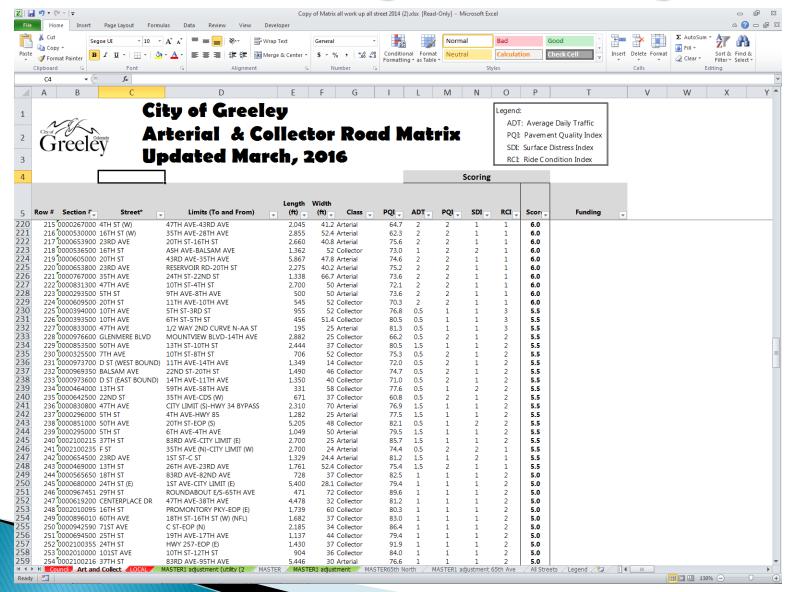
Network Present Status Distribution – 2016 Less State Roads

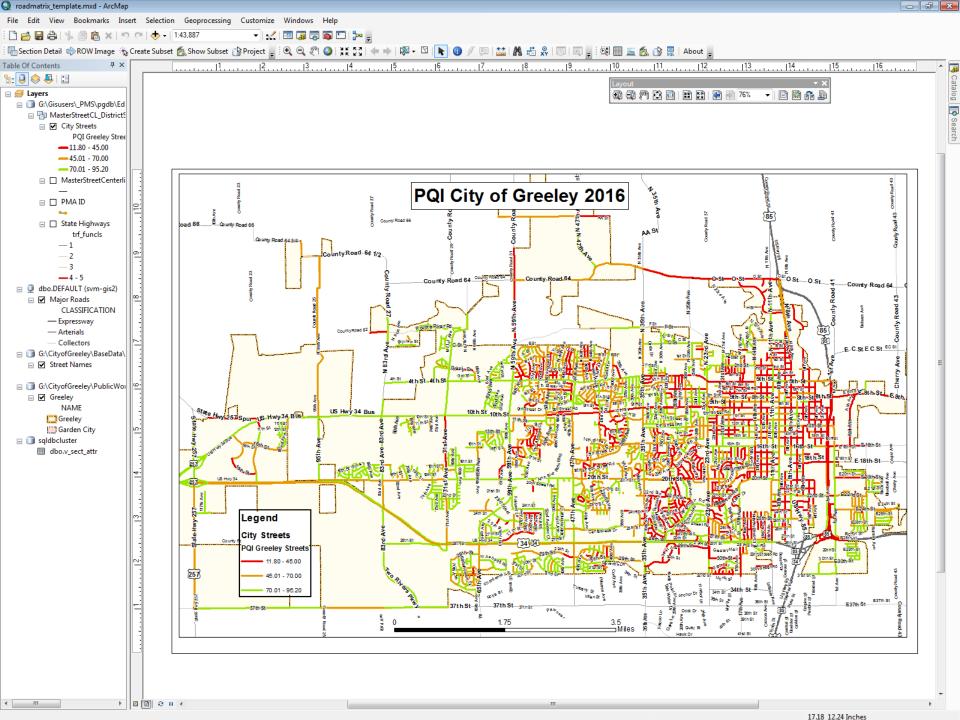


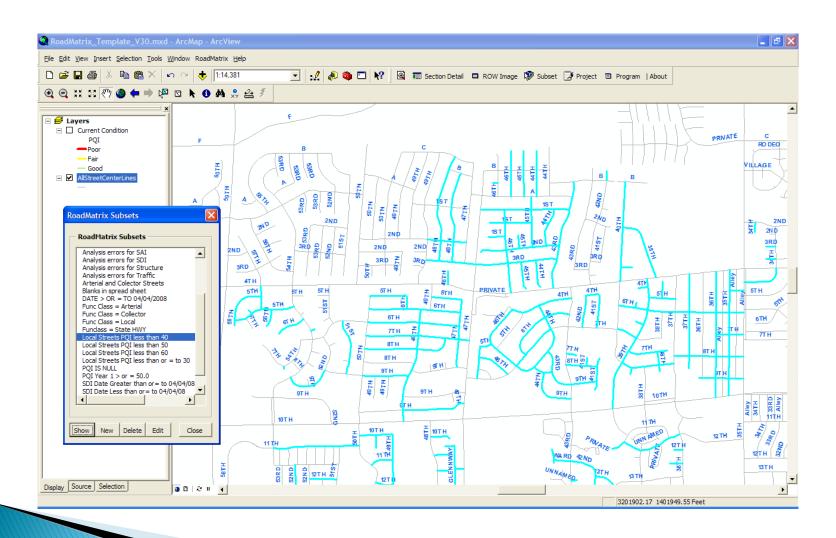






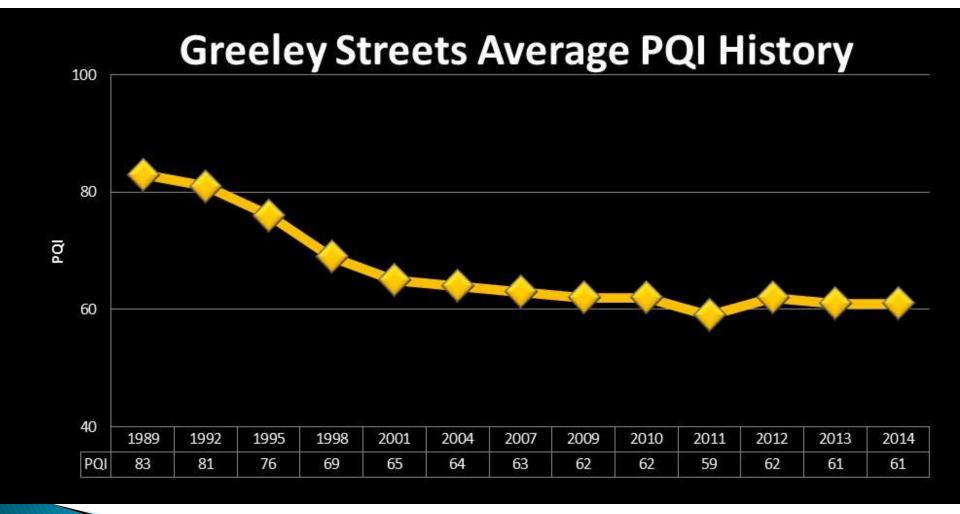


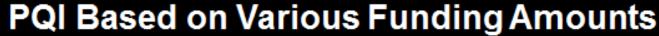


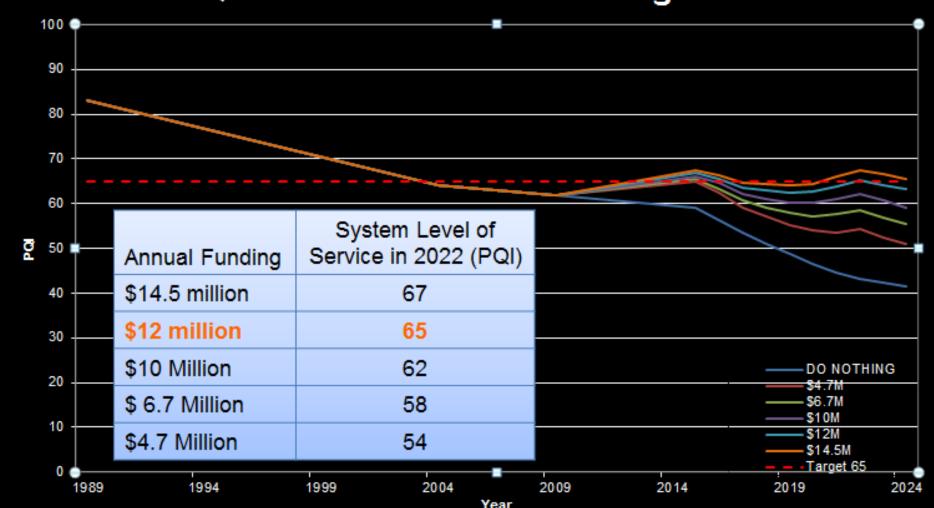


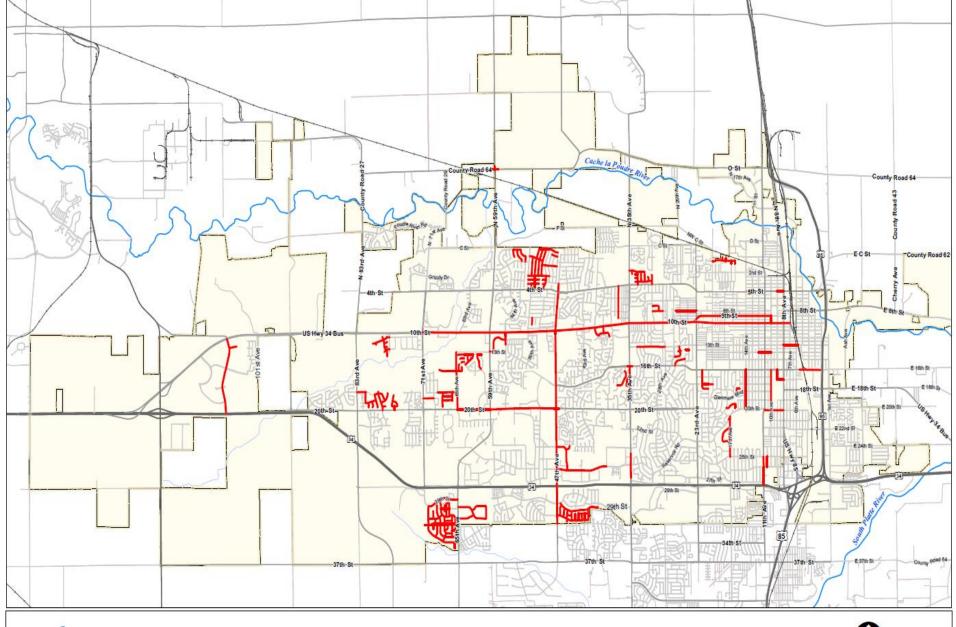
# Street Maintenance Funding

Citizens Infrastructure Committee March 9, 2015









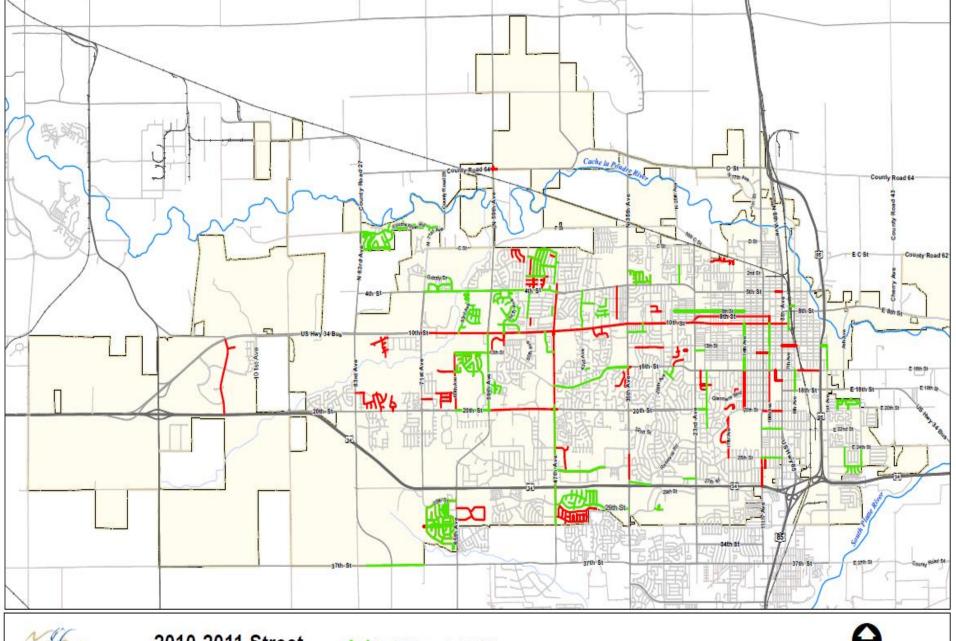


2010 Street **Maintenance Program** 



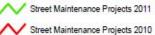


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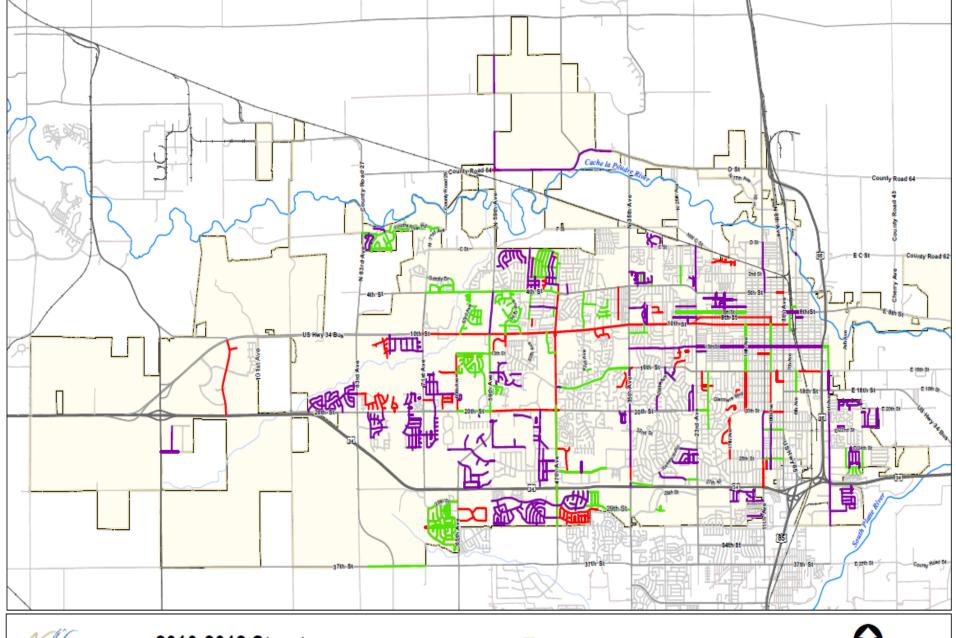
2010-2011 Street Maintenance Program



**Greeley City Limits** 



Date: 3/4/2015 By: City of Greeley GIS File:2010\_2014StreetMaintenance.mv2 6





2010-2012 Street Maintenance Program



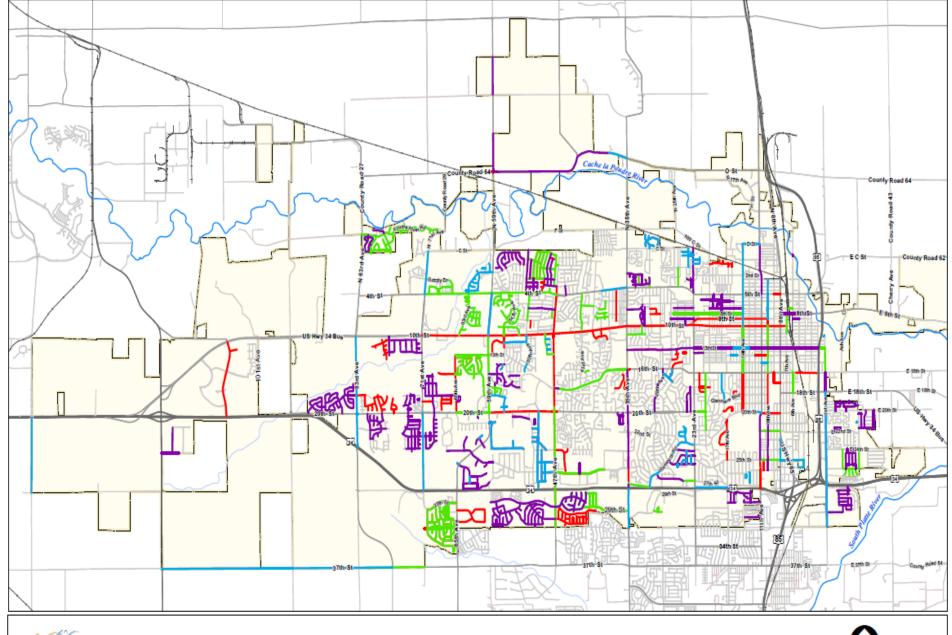
Street Maintenance Projects 2011
Street Maintenance Projects 2010



Greeley City Limits

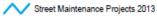


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2010-2013 Street Maintenance Program



Street Maintenance Projects 2012 Street Maintenance Projects 2011



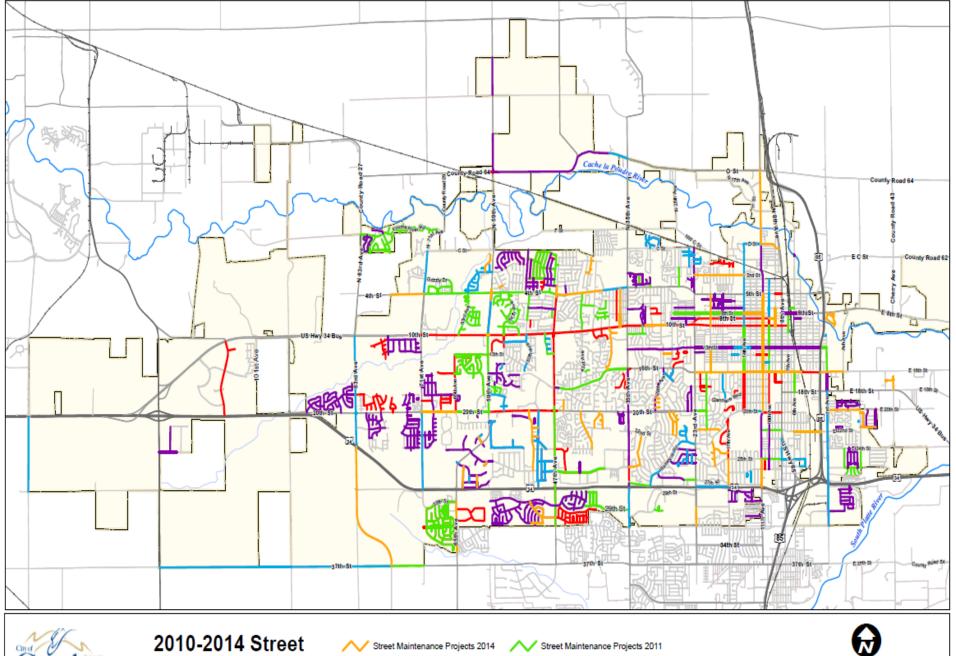
Street Maintenance Projects 2010



Greeley City Limits

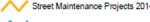


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Maintenance Program



Street Maintenance Projects 2013

Street Maintenance Projects 2012

Street Maintenance Projects 2010 **Greeley City Limits** 



Date: 3/4/2015 By: City of Greeley GIS File:2010\_2014StreetMaintenance.mxt 9

- Review
- Program has a robust data collection infrastructure.
- Variable analyst methods.
- Many Reporting options which can be adjusted as needed.
- Catalog of our past and present Infrastructure.
- From this were are able to provide a variety of presentation data.
- Time to go to work!!!

# Pavement Management Programs Questions?

