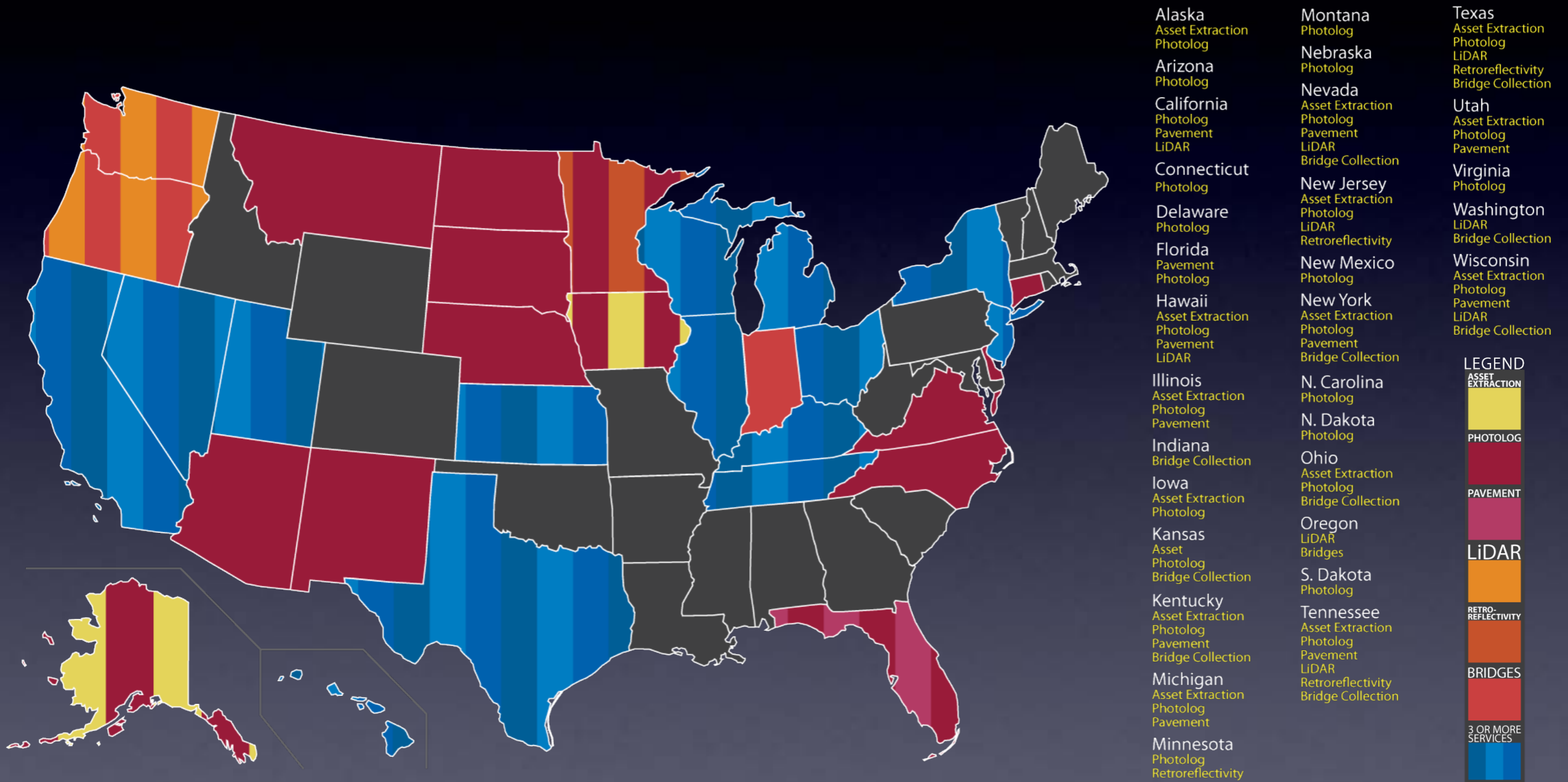


Mandli Communications,  
Inc.

# Mandli's Experience



(video place holder)



**MANDLI**

**[www.Mandli.com](http://www.Mandli.com)**







# LCMS

Laser Crack  
Measurement System

# LCMS



- High resolution transverse profiling system
- Acquires 4 meter width images with 3D profiles of lanes
- Deliverable at FHWA HPMS standard
- Collected rutting, distress (linear, cracking, and area cracking), and slope of road
- Integrated LCMS data with LiDAR data

# Project Scope



- Route driven from South Dakota to Wisconsin
- All data collected around 62 mph
- Slight configuration of data by Mandli to turn it into deliverable format
- Did calibrations everyday
- All data sets and deliverables had assigned GPS
- About 876 total miles traveled







# Deliverables



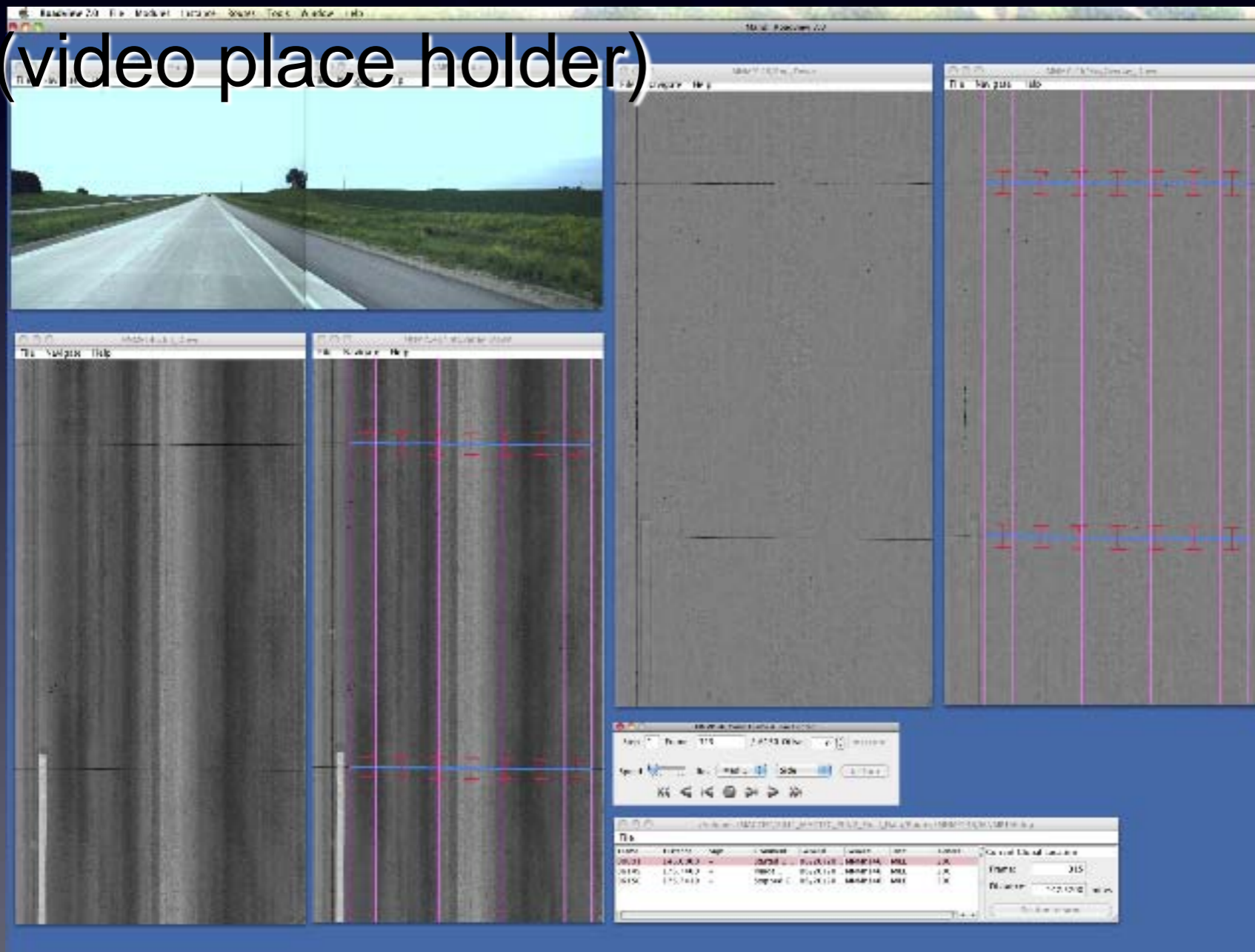
- Rutting
- Road Joints
- Transverse cracks
- Slope of road
- Consistent, repeatable data

# Deliverables



- Joint detection:

(video place holder)

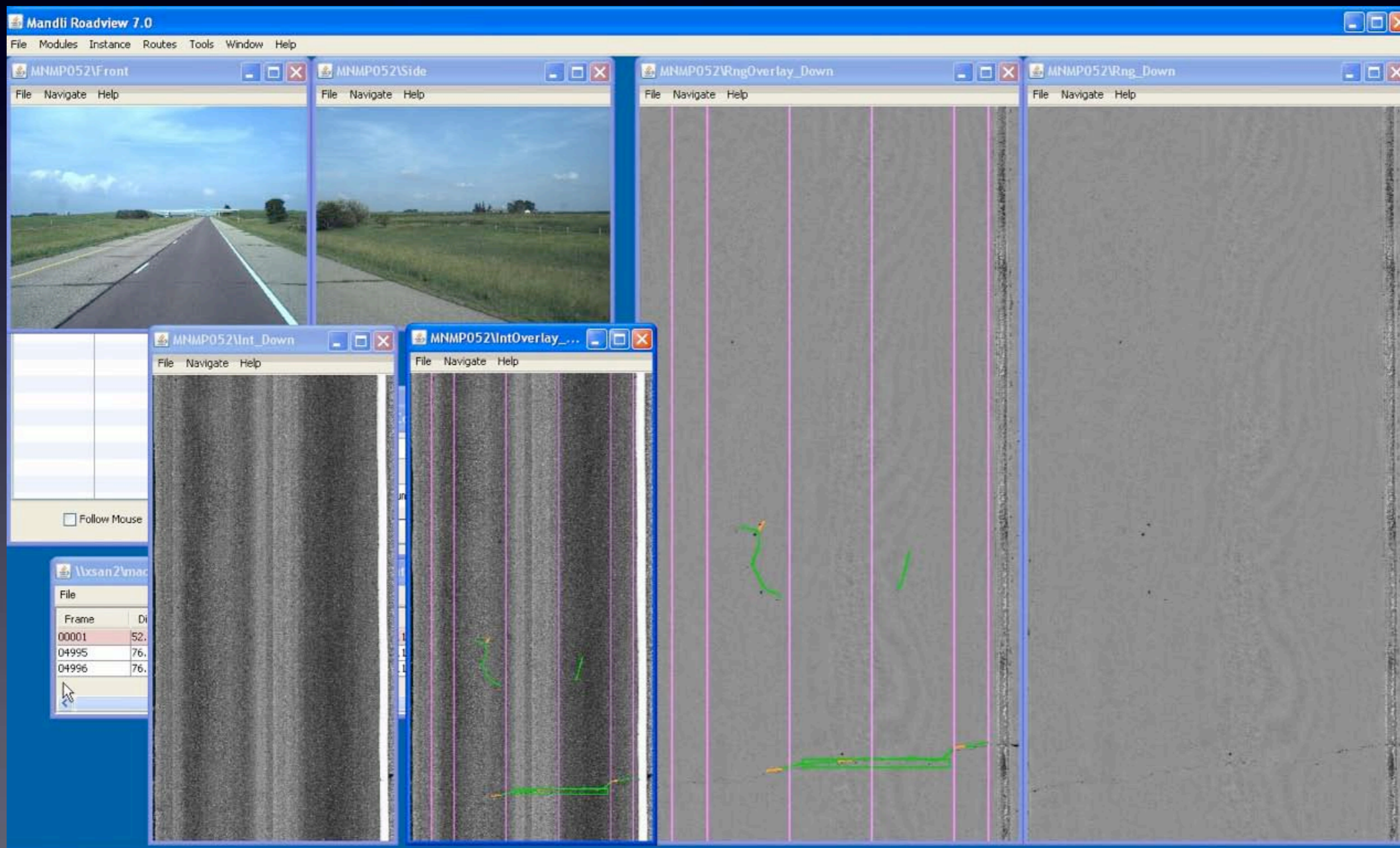




# Deliverables



- Transverse crack detection:

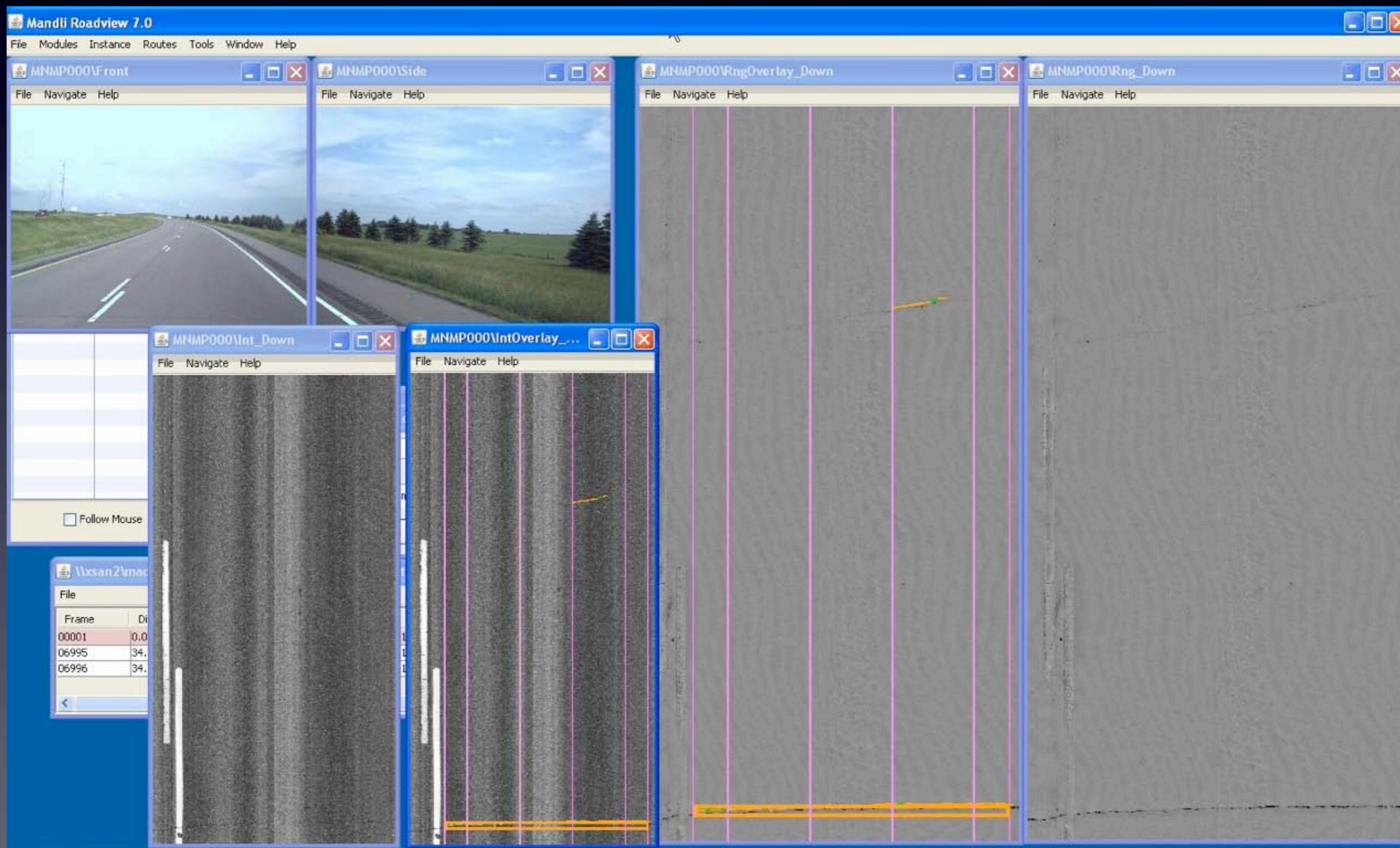




# Deliverables



- Transverse crack detection:

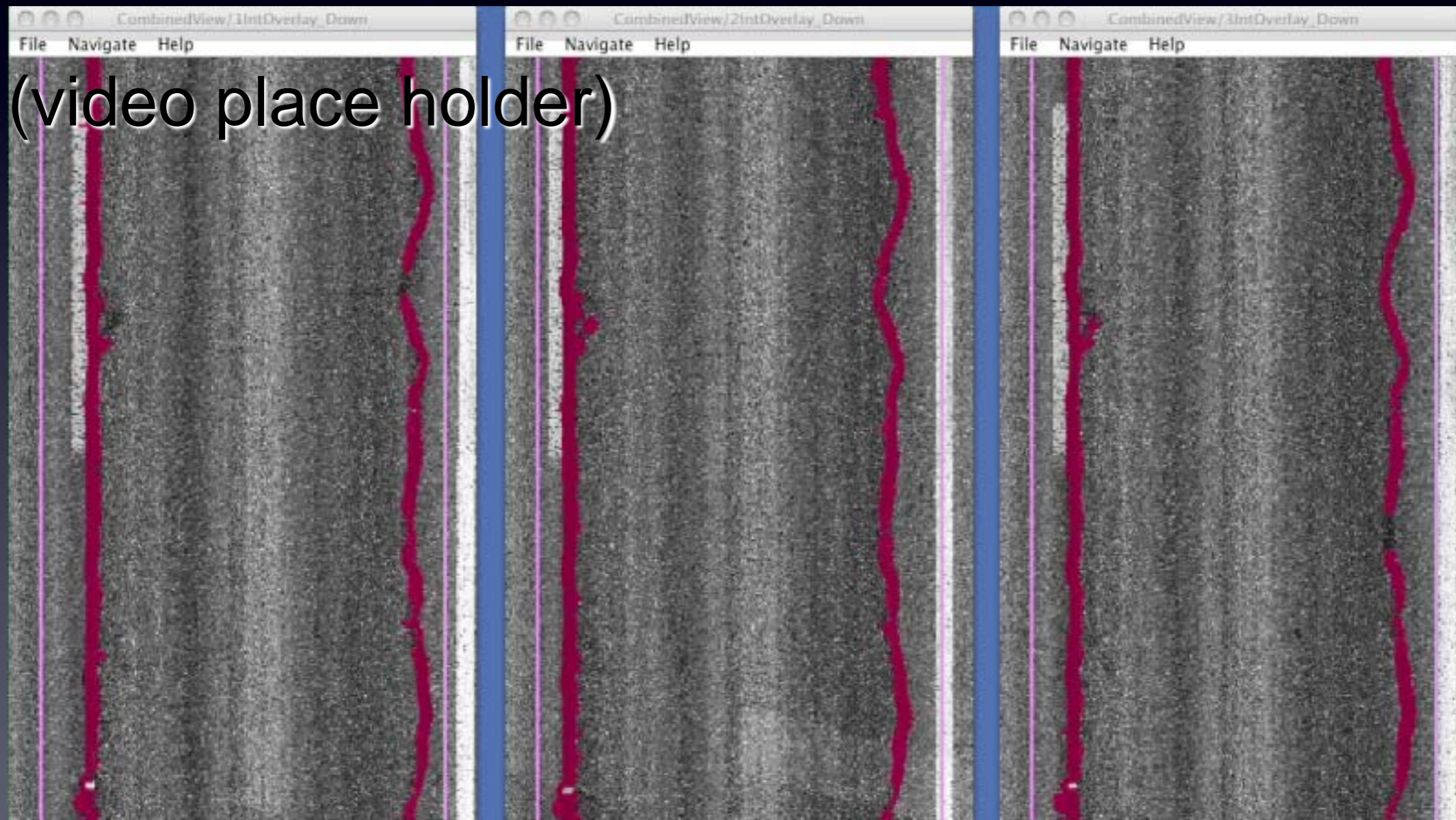




# Deliverables



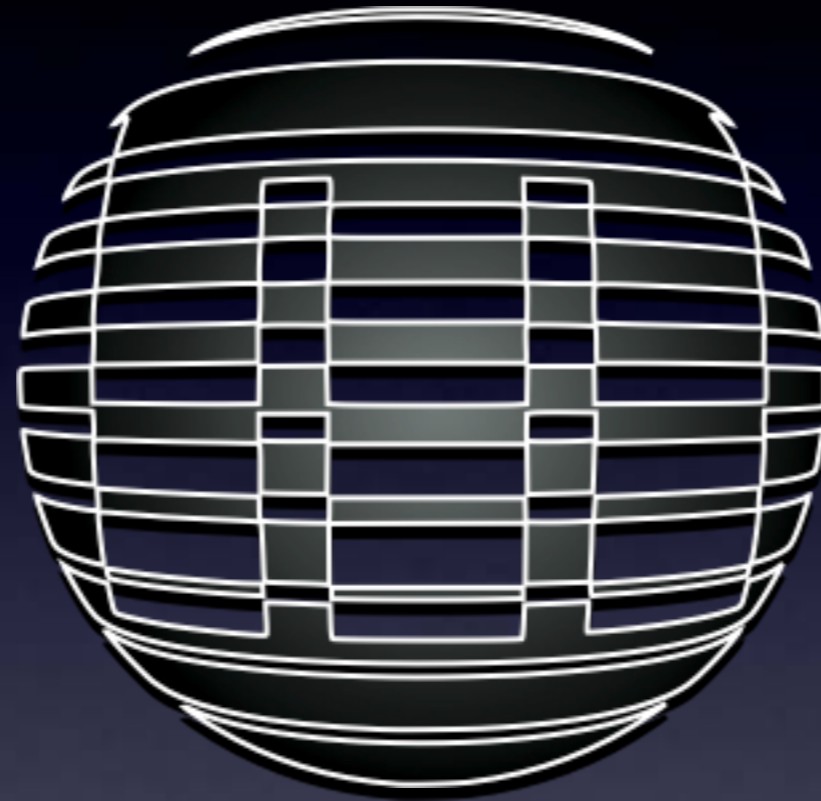
- Consistent data sets: (repeatability)



# Future Development



- Macrotexture
- Seal Cracks
- IRI
- Won't ever be able to do Patching



Thank You!