

Roadsoft Update

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Roadsoft Update

- 2021 Work Plan
- 2022 Work Plan
- Framework Basemap Migration
 - V21 to v22
- Bridge Data Update
- Crash Data Update
- Training Update

2021 Work Plan (what we did)

- Mobile Data Collection: Guardrail
- Framework Migration v20 to v21
- Culvert Custom Fields
- Sign Custom Fields
- Pavement Management Improvements
- Generic Point/Line Modules
- Culvert update for data collection
- **Current Roadsoft/LDC Version: 2022.1**

2021: Culvert/Sign Custom Fields

- Sign Generic Fields migrated to Custom Lookup fields
- Separate fields for Support and Sign
- Multiple data types
- Filterable and available for legends

Sign Custom Fields

Sign Custom Fields

[Add/Edit Custom Field](#)

Ordinance Number	Undefined
Maintained By	No
Calculated Decimal Value	0
Custom Memo	

Sign Custom Fields

Support Custom ... Sign Custom Fields

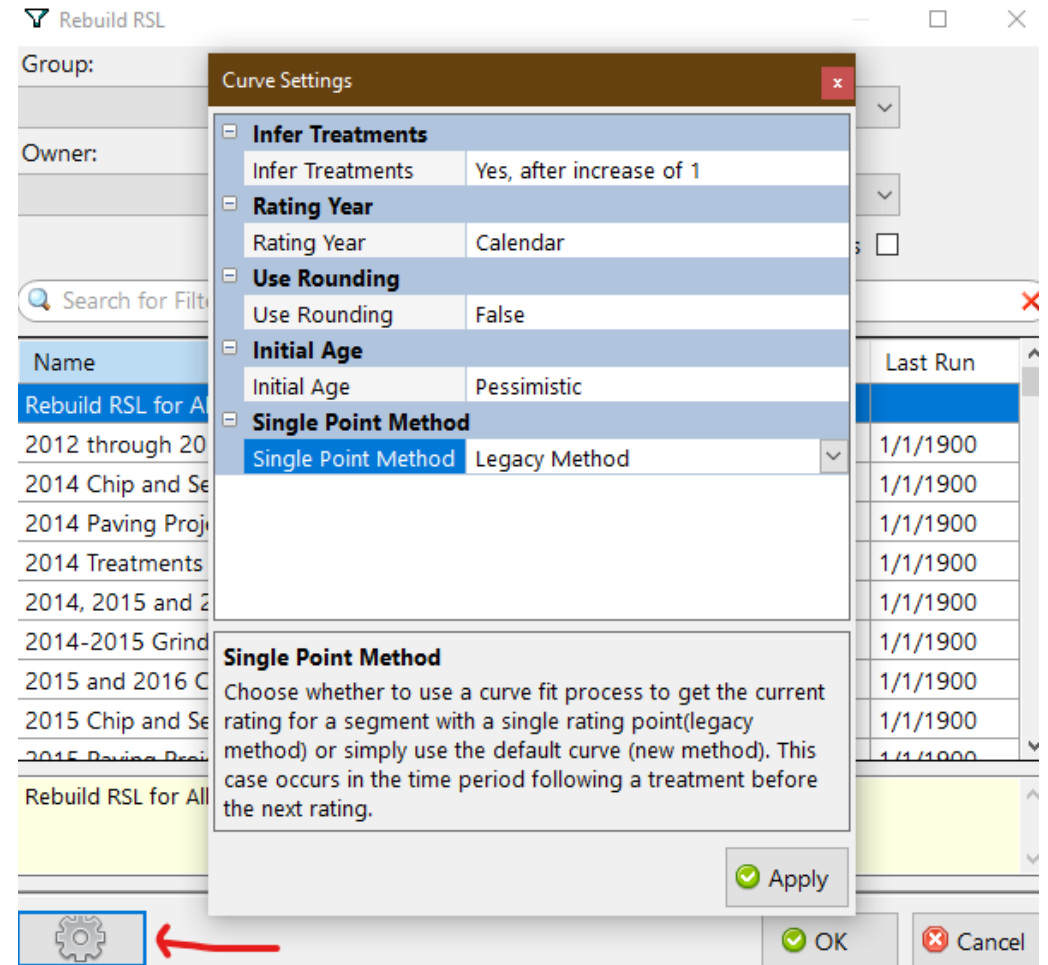
Edit Custom Field

Custom Field Information

Custom Type	Lookup
Label	Date
Abbreviated Name	Decimal
Description	Long Note Lookup Short String Whole Number Yes/No Flag
Created Date	2/2/2022

2021: Pavement Management Improvements

- Deterioration Modeling Options



2021: Pavement Management Improvements

- Curve Fit calculation
 - Alternative to RSL Confidence
 - RSL Confidence compares how well segment deterioration fits the base curve for a segment (derived from that segment's data)
 - Compares how well segment deterioration fits the model curve
 - Better way to see how segment performs versus predicted deterioration

2021: Generic Point/Line Modules

- Ongoing effort (continues through 2022)
- Gives user ability to create a 'user-defined' module for Point or Line assets
- Mix of how Drainage Network and Custom Fields work

2021: Culvert update for data collection

- Updated module to meet MI Non-NBI Culvert Structure Inspection Guide for TAMC data collection and submission
- Standardized Fields:
 - Material
 - Shape
- Culvert Inspection

The screenshot shows a software window titled "Add Inspection" with a table of inspection data. The table is organized into sections: "Inspection Information", "Culvert Barrel", and "Vicinity & Appurtenant Structures". Each section contains a list of fields and their corresponding values. The "Shape" field under "Culvert Barrel" is highlighted in blue.

Inspection Information	
Inspection Date	2/2/2022
Inspector	Nick Koszykowski
Memo	

Culvert Barrel	
Culvert Barrel	Good
Shape	Not Rated
Surface Damage	Not Rated
Abrasion	Not Rated
Corrosion	Not Rated
Joint Separation/Offset/Rotation	Not Rated
Seam Alignment	Not Rated
Seam Bolts & Fasteners	Not Rated
Seam Bolt Holes	Not Rated
Barrel Alignment	Not Rated
Infiltration & Exfiltration	Not Rated

Vicinity & Appurtenant Structures	
Vicinity & Appurtenant Structures	Good
Roadway	Not Rated
Pavement	Not Rated
Shoulders	Not Rated
Guardrail	Not Rated
Slope Stability	Not Rated
Embankment Erosion	Not Rated
Channel Scour and Blockage	Not Rated
Channel Alignment	Not Rated
Bank Erosion & Scour	Not Rated
Existing Protection	Not Rated
Blockage	Not Rated
End Treatments & Appurtenant Structures	Not Rated
Surface Damage, Spalling, Delamination (concrete)	Not Rated
Cracking (concrete)	Not Rated
Corrosion (metal)	Not Rated
Deformation & Damage (metal)	Not Rated
Scour & Stability	Not Rated
Settlement & Rotation	Not Rated

Shape
Assessment of shape in comparison to the original shape of the culvert. (optional)

Save Cancel

2022 Work Plan (what we are going to do)

- Generic Point/Line Modules
- Road Module Custom Fields
- Guardrail Module Custom Fields
- Mobile Data Collection for Point Pavement Marking
- Pavement Management Improvements

2022: Pavement Management Improvements

- Investigate generating new deterioration curve from existing segment history
- Strategy/Optimization: Set a Good/Fair/Poor goal
- Tools to identify bad/missing data
- Generate map/chart/report for a past year
 - For example, show me my paved network condition in 2016

Framework v22/Bridge/Crash Data Update

- 2022.3 will include migration from v21 to v22 of the centerline
- Bridge Data
 - Getting updated inventory and inspection data from MDOT. Update is imminent
- Crash Data
 - Reminder: Previous year data not available until April-June

Training Update

- Getting Started with the Mobile App (2/22/22)
- Laptop Data Collector (3/2/22)
- Not yet scheduled:
 - Intro to Roadsoft – The Basics (Spring)
 - Utilizing Roadsoft for Asset Management (Spring)
 - Roadsoft Hands On Workshop (Fall)

MERL & MI Local Project Administration Updates

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MERL & MI Local Project Administration Updates

- MERL Desktop
 - Current version: 2021.12
- MI Local Project Administration
 - How do we manage local jobs when Field Manager goes away?

Proposed Field Manager Replacement

- Field Manager 'sunsetting' in 3 years
 - When last job started in Field Manager is closed out
- InfoTech/MDOT will no longer support Field Manager
- MDOT cannot support local jobs in new AASHTOWare Project

Proposed Field Manager Replacement

- New Un-named project (Transportation Construction Management System or TCMS)
 - Web-based
 - Initial development funded by money from Counties, Municipalities, and MDOT
 - Additional development, support and training funded by fees
 - Managed by County Road Association

Proposed Field Manager Replacement: TCMS

- 3 years to implement initial phase
 - Similar MERL Local Job Manager functionality expanded based on Advisory Group requirements
- Additional year for Materials/Certifications and Mobile

Questions?

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