• Started in 1997

• Initially, just electronic spec book

• Project Estimator introduced
  • Help prevent errors for submission to LAP
  • MDOT-let jobs
• MORE LOCAL FOCUS
  • PROJECT ESTIMATOR
  • BID UTILITY
  • LOCAL JOB MANAGER
• **Project Estimator**
  - MDOT's Pay Item List and Average Unit Prices
  - User-defined Pay Item Codes

• **Bid Utility**
  - Collect and analyze bids

• **Local Job Manager**
  - Manage the project in the field, tracking item usage and payments
• **Yearly contract with MDOT**
  • **Current contract:** ~$150,000  
  • **Development, Support, and Training**

• **Free to MI local Agencies/Consultants**

• ~1400 users
LOCAL JOB MANAGER

- **Daily Inspections/Postings**
- **Pay Estimates**
- **Contract Modifications**

<table>
<thead>
<tr>
<th>Date</th>
<th>Pay Estimates</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/17/2009</td>
<td>$2,008.74</td>
<td>The posting is to balance our records with the contractor's records.</td>
</tr>
<tr>
<td>10/16/2009</td>
<td>$33,769.90</td>
<td>HMA patch placed in all disturbed sidewalk areas today. No ticket.</td>
</tr>
<tr>
<td>10/15/2009</td>
<td>$1,898.20</td>
<td>Installed sewer lateral at Santo Stefano Del Lago.</td>
</tr>
<tr>
<td>10/14/2009</td>
<td>$6,563.50</td>
<td>These items were placed at Santo Stefano Del Lago.</td>
</tr>
<tr>
<td>10/13/2009</td>
<td>$8,138.43</td>
<td>Work was performed in front of Mr. Kozak's today. In addition to these items, future pay estimates need to include Extra Service Length, Long-1 each, and Upsize Water Service 1&quot; to 1.5&quot;, Long-1 each.</td>
</tr>
</tbody>
</table>
LOCAL JOB MANAGER

- **Item Summary**
- **Completely Placed, Qty Remaining, Unpaid**
- **Item Posting History**

![Item Posting History Table]

**Item Posting History**

<table>
<thead>
<tr>
<th>Posting Date</th>
<th>FB No/Page</th>
<th>Qty Placed</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/02/2009</td>
<td></td>
<td>265.00</td>
<td>$1,563.50</td>
</tr>
<tr>
<td>10/05/2009</td>
<td></td>
<td>265.00</td>
<td>$1,563.50</td>
</tr>
<tr>
<td>10/06/2009</td>
<td></td>
<td>265.00</td>
<td>$1,563.50</td>
</tr>
<tr>
<td>10/07/2009</td>
<td></td>
<td>265.00</td>
<td>$1,563.50</td>
</tr>
<tr>
<td>10/08/2009</td>
<td></td>
<td>265.00</td>
<td>$1,563.50</td>
</tr>
<tr>
<td>10/10/2009</td>
<td></td>
<td>265.00</td>
<td>$1,563.50</td>
</tr>
<tr>
<td>10/13/2009</td>
<td></td>
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<td>10/14/2009</td>
<td></td>
<td>265.00</td>
<td>$1,563.50</td>
</tr>
</tbody>
</table>
• Free for Android and iOS
• Daily Posting
• Notes
• Items/Quantities
• **Web-Based Project Estimator**
  • MDOT and Local Jobs

• **Web-Based Bid Utility**
  • Local Jobs

• **Web-Based Local Job Manager**
  • Local Jobs

**Coming 2020**
WEB-BASED MERL

• **Hosted in Microsoft’s Cloud services**
  • Free for any local agency, consultant, or contractor working in Michigan

• **Access via any modern browser**
  • Chrome, Firefox, Edge, Safari

• **Migrate from Desktop to Web using Bulk Export/Bulk Import**
What's next for MERL?

- Field Manager phasing out in 2-3 years
- AASHTOWare Project only MDOT-Let jobs
- Local Job Options:
  - Appia (from Infotech via yearly license)
  - MERL
WHAT’S NEXT FOR MERL?

- **Construction Management System for Local Agencies**
  - Investigation of feasibility, scope, and scale of changes to replace Field Manager for local use.
WHAT’S NEXT FOR MERL?

- **Current Functionality**
  - Postings
  - Pay Estimates
  - Contract Mods
  - Mobile App

- **To Be Added**
  - Materials/Certs
  - Smaller Enhancements
    - Multiple Inspectors
    - Multiple Postings/day
    - Contract Mod to Change Qty
    - Doc Attachments
WHAT’S NEXT FOR MERL?

• **To Be Added**
  - Materials/Certs
  - Smaller Enhancements
    - Multiple Inspectors
    - Multiple Postings/Day
    - Contract Mod to Change Qty
    - Doc Attachments

• **Estimated Completion**
  - Enhancements released as they are done
  - Materials/Certs: unknown—depending on additional requirements
  - ~6 months for updated Mobile App
QUESTIONS?

CONTACT INFO:

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- MERL.TRANSPORT.MTU.EDU