CENTER FOR TECHNOLOGY AND TRAINING

- Surface Transportation
- Typically Applied Research
- Local & State Agencies

Strength Areas:

IT – Software
Pavement Management / Asset Management
Traffic Safety Engineering
Bridge Engineering
Bridge Load Rating
Construction Engineering
CENTER FOR TECHNOLOGY AND TRAINING

Under Civil and Environmental Engineering

20-22 Full Time Staff

• Engineers,
• Computer Programmers,
• Technical Writers,
• Business Professionals

10-15 Students
• **Started in 1997**

• **Yearly contract with MDOT**
  - **Current contract:** ~$90,000

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

• **~1400 Users**
• **Project Estimator**
  • MDOT’s Pay Item List and Average Unit Prices

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

• **Local Job Manager**
  • Manage the project in the field, tracking item usage and payments
LOCAL JOB MANAGER

- **Daily Inspections/Postings**
- **Pay Estimates**
- **Contract Modifications**
- **No materials**

<table>
<thead>
<tr>
<th>Date</th>
<th>Total</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/17/2009</td>
<td>$2,008.74</td>
<td>This posting is to balance our records with the contractor 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>$1,038.20</td>
<td>Installed sewer lateral at Santo Stefano Del Lago.</td>
</tr>
<tr>
<td>10/14/2009</td>
<td>$6,963.50</td>
<td>Those items were placed at Santo Stefano Del Lago. In addition to</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 the</td>
</tr>
</tbody>
</table>

**Notes:**

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” to 1.5”, Long-1 each.

<table>
<thead>
<tr>
<th>Pay Item</th>
<th>Description</th>
<th>Qty</th>
<th>Units</th>
<th>Price</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2040013 Sidewalk, Rem</td>
<td>23.30</td>
<td>Syd</td>
<td>$2.60</td>
<td>$60.58</td>
</tr>
<tr>
<td>2</td>
<td>4027002 Forcemain, DI, 16 inch, Tr Det G</td>
<td>34.50</td>
<td>Ft</td>
<td>$32.30</td>
<td>$1,114.35</td>
</tr>
<tr>
<td>3</td>
<td>8250245 Water and Fire Suppression Service, 6 inch, Long</td>
<td>1.00</td>
<td>Ea</td>
<td>$5,400.00</td>
<td>$5,400.00</td>
</tr>
<tr>
<td>4</td>
<td>8257030 Additional Water Main Fittings, Not Shown on Plans</td>
<td>265.00</td>
<td>Lb</td>
<td>$5.90</td>
<td>$1,563.50</td>
</tr>
</tbody>
</table>
LOCAL JOB MANAGER

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

- Android and iOS
MERL MOBILE

- Project Info
- Posting History
- Add Posting
• Submit/Upload Posting
• Download to MERL
• **Web-Based Project Estimator**
  • Coming soon

• **Web-Based Bid Utility**
  • 2018

• **Web-Based Local Job Manager**
  • 2019
Contact Info:

- merl@mtu.edu
- 906-487-2102

Free to download:

- http://merl.trans.mtu.edu