Barry County Road Commission

Winter Operation Conference - 2020

Jake Welch

Snow Plow Routes
Barry County Snow Plowing

- 1,065 miles roadway
- 18 Plow runs (+1 plat truck)
- Equipment
- Start times
- 1st Day service
2015 Plow Route Re-work

- Enlisted employees association for help
- Software determination
- Accounted for wing blades
- Mileage based
- Adjusted mileage for wide roads and plat road
- Constant Updates
Adjustments

- Annual adjustments
- Maps
- Booklets
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Division of Public Works (DPW) maintains a network of more than centerline 58 miles of major roads and 243 miles of paved and unpaved (22 miles) local roads

- 170+ Major Rd. Lane miles (some are 5+ lanes wide) Over 750 Lane Miles
- 9th largest municipal street network in the state of Michigan and the largest in Oakland County
- Area residents and businesses have high expectations for the City’s public services LOS (Level Of Service) 24/7
- APWA 2011 Excellence in Snow and Ice Control Award
- APWA Accreditation 2017
FH’s Road Network

- 33 sq. miles
- 6 Major Rd snow routes (approx. 28 LM ea.)
- 5,000 tons of salt annual avg.
- 200,000+ gallons of annual liquid use
FH’s Road Jurisdiction’s

- City of Farmington Hills
- City of Farmington
- City of Southfield
- Road Commission
- Oakland County
- Wayne County Roads
- Michigan Department of Transportation
FH’s Major Plow Routes

- 6 Major Rd snow routes (approx. 29 LM ea.)
- Some routes have “Bus Routes” and “Hilly” local areas
- Local Roads after 4” or Level of Service drops

2019 Plow Route Stats

<table>
<thead>
<tr>
<th>Route</th>
<th>Lane-Miles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brown</td>
<td>29</td>
</tr>
<tr>
<td>Orange</td>
<td>27</td>
</tr>
<tr>
<td>Blue</td>
<td>32.2</td>
</tr>
<tr>
<td>Green</td>
<td>27.8</td>
</tr>
<tr>
<td>Yellow</td>
<td>30.6</td>
</tr>
<tr>
<td>Red</td>
<td>26.3</td>
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</tbody>
</table>

Average Route is 30 Lane Miles
2014 Plow Route Re-work

Major Route Re-Work

- Enlisted employee’s (Crew Leaders) for help
- No Software used at this time
- Mileage based (Lane Miles)
- Adjusted routes for DPW Location - Logistics
- Update when needed
- Did not account for wing plow- next time 😊
- Future considerations - AVL
Blend of Single & Tandem axle trucks
Bryan Pickworth
Road Maintenance Supervisor
City of Farmington Hills, MI
Dept. of Public Works

- 29 years as an employee of the City beginning as a Laborer in 1991, moving up the ranks to Equipment Operator III/Crew Leader and promoted to Road Maintenance Supervisor in 2004.
- 2009 graduate of Michigan APWA’s Michigan Public Service Institute
- Member of national APWA Snow & Ice Committee
- Current Responsibility’s include:
  - Snow and Ice control, Liquids production, Stormwater drainage maintenance, Forestry operations, Inventory of Essential Materials, Safety and Various Training, Street sweeping and various other in-house & contracted services.
  - bpickworth@fhgov.com or 248-871-2865