

2020 Michigan Winter Operations Conference

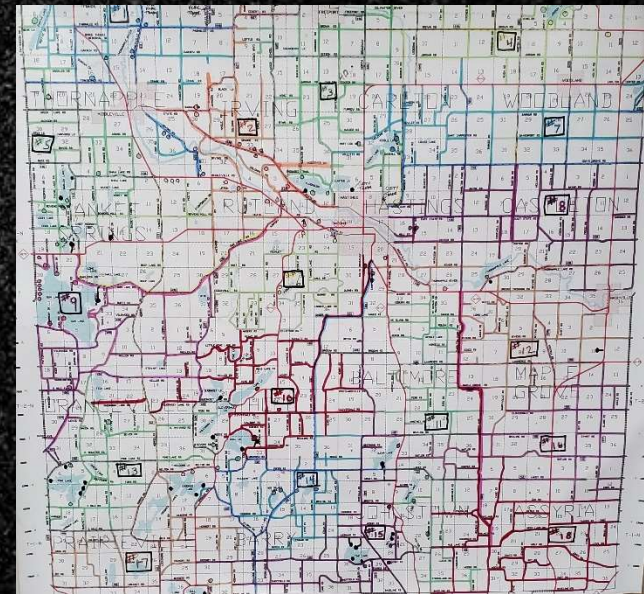
Day 2 – Wednesday, October 14th

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**

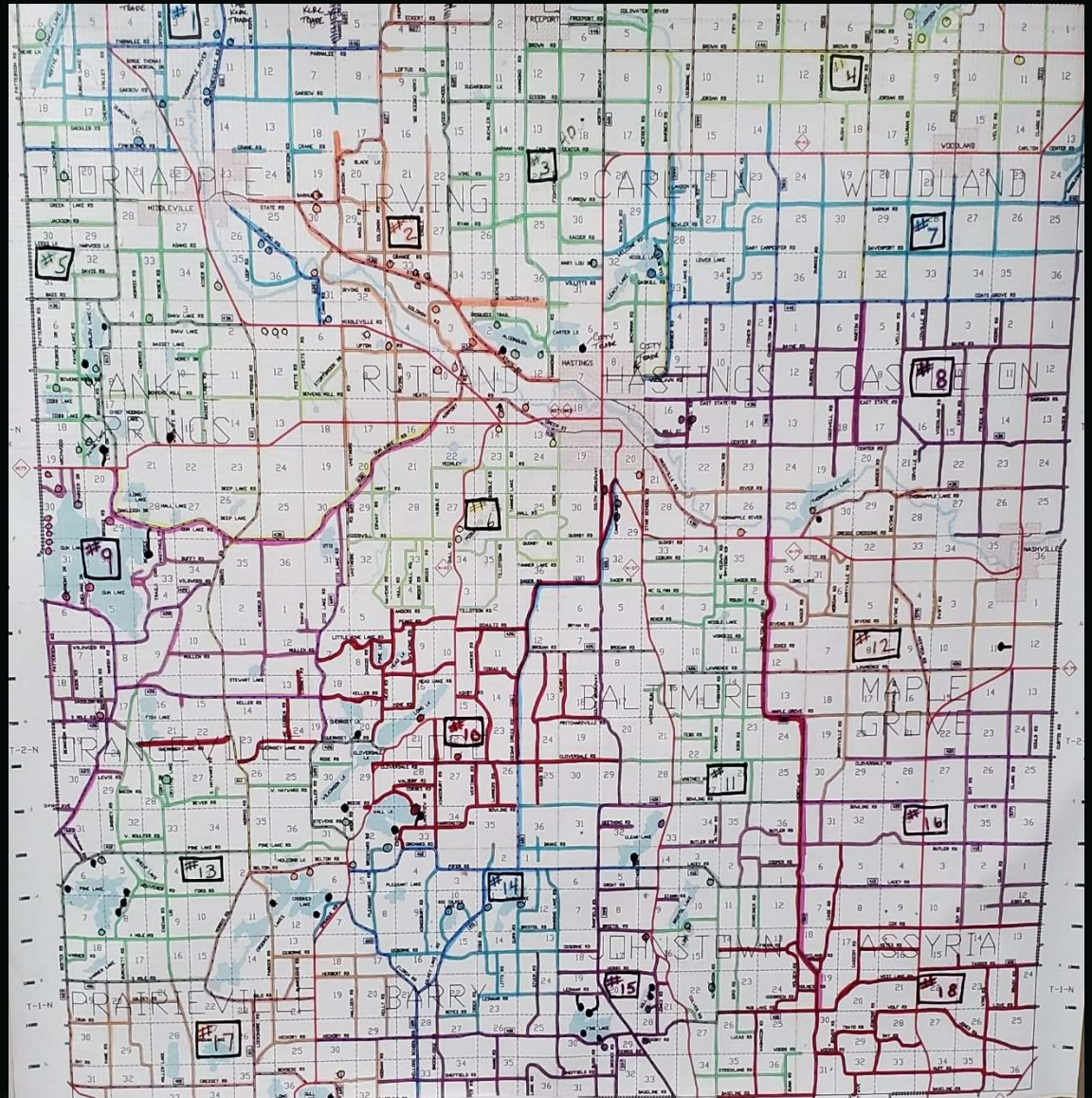


2015 Plow Route Re-work

- 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





Jake Welch

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Barry County Road Commission

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Snowplow Routes Panel Discussion



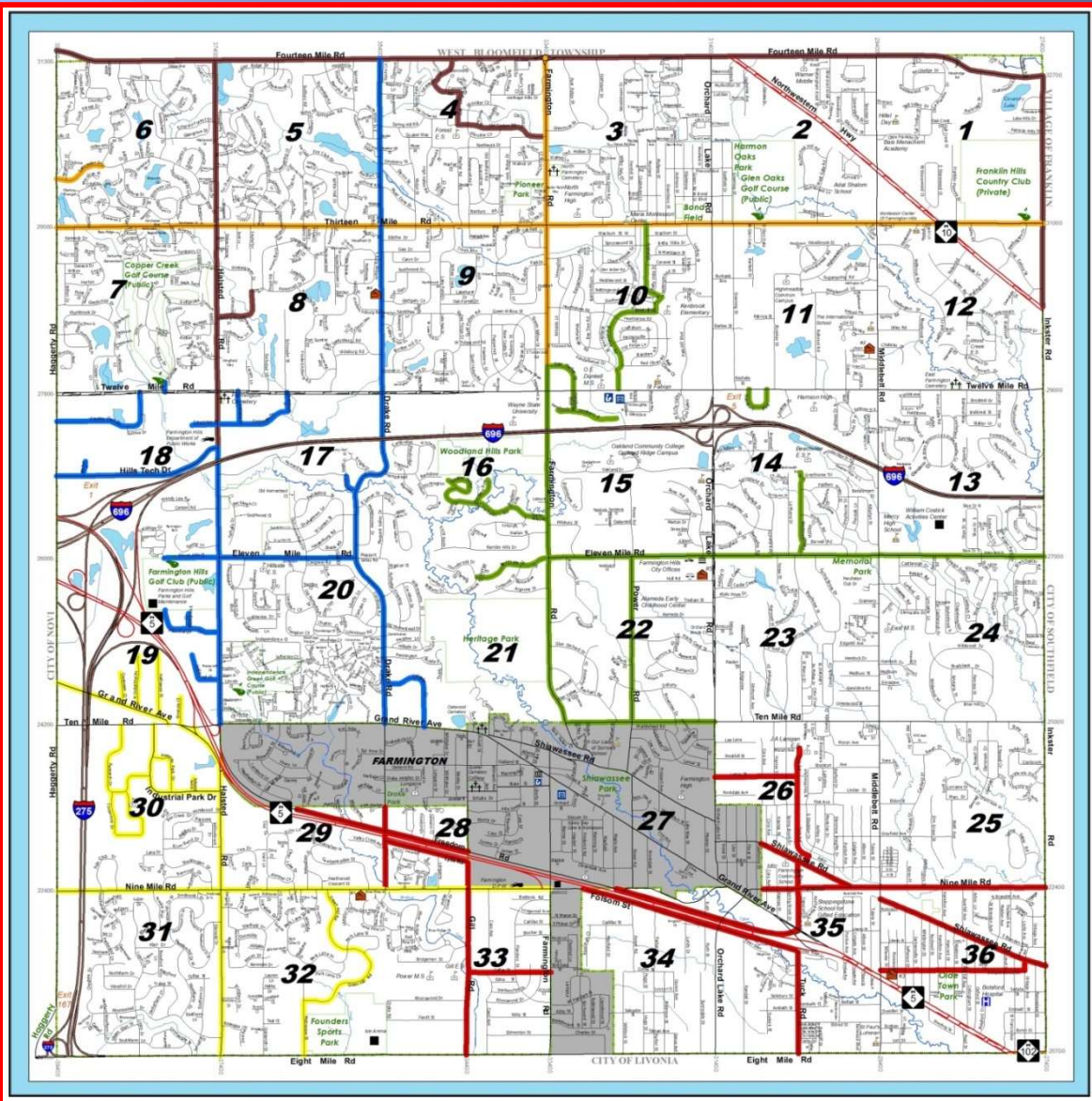


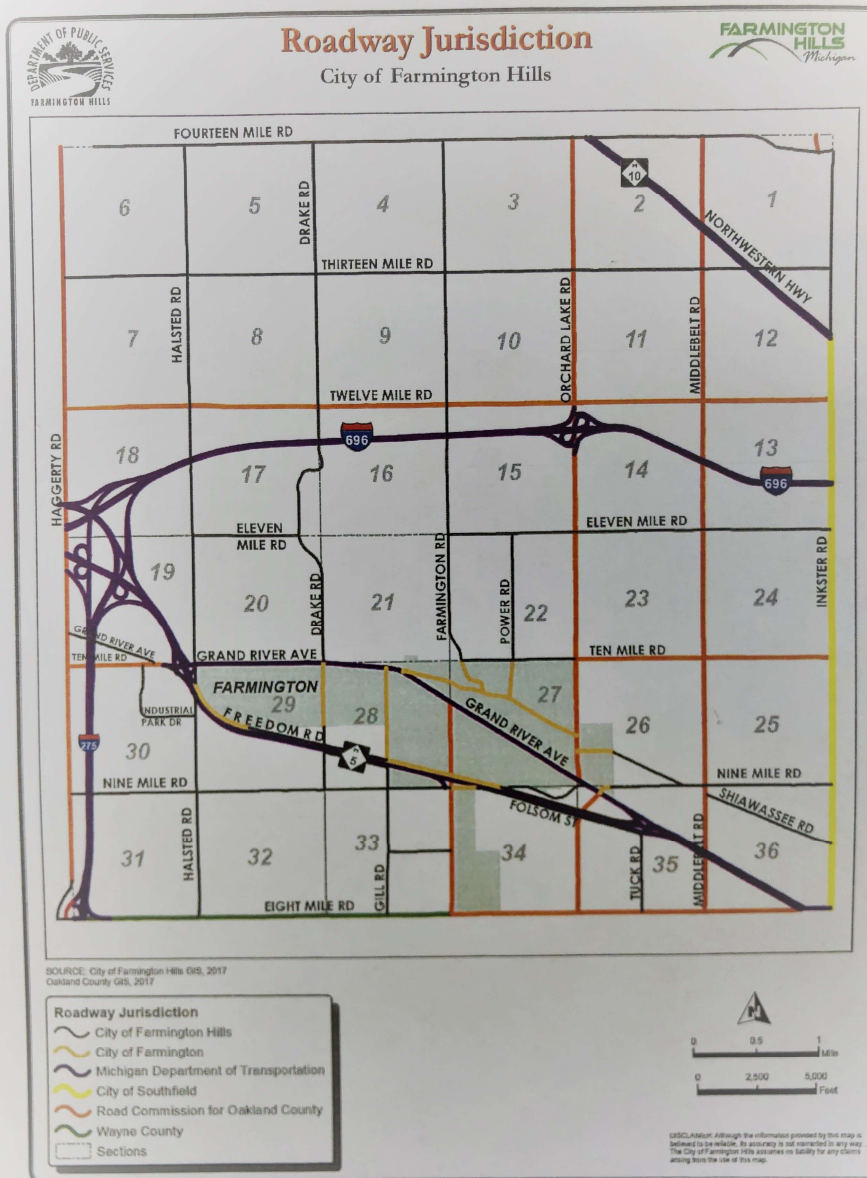
- Division of Public Works (DPW) maintains a network of more than centerline 58 miles of major roads and 243 miles of paved and unpaved (22 miles) local roads
- 170+ Major Rd. Lane miles (some are 5 + lanes wide) **Over 750 Lane Miles**
- 9TH largest municipal street network in the state of Michigan 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





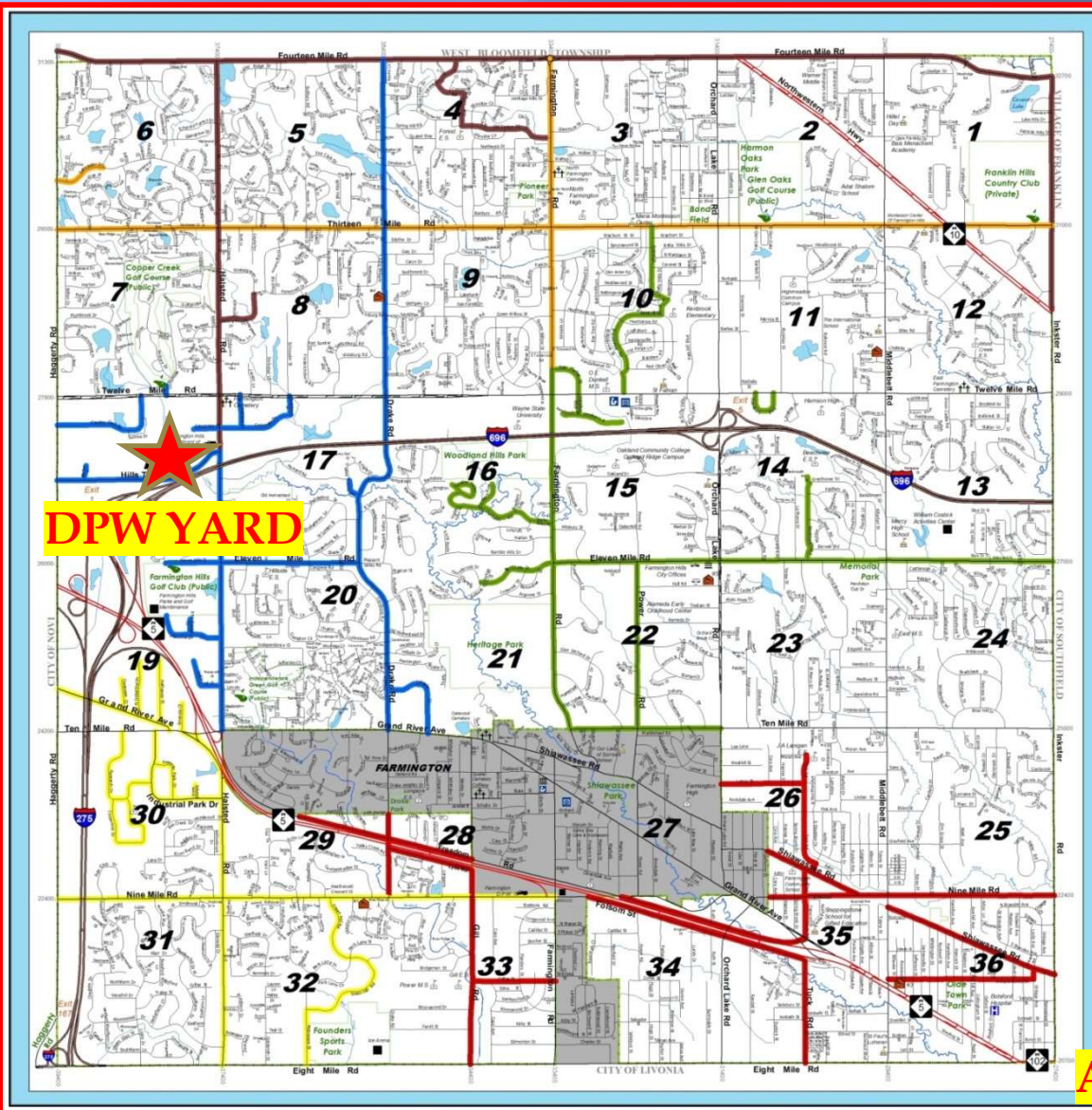
FH's Road Jurisdiction's

- 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	
Route	Lane-Miles
Brown	29
Orange	27
Blue	32.2
Green	27.8
Yellow	30.6
Red	26.3

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



October 14, 2020



Equipment/Efficiency/Training



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.
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