

DRAFT Bikeways Plan *Update*

TAC

January 17, 2017



Over-arching Criteria guiding this plan

- Users of all ages and abilities
- Urban bikeway system for transportation purposes
- 365 day system
- Anchors first, then paths
- Incremental – begin now, but continue to learn and improve design
- Experiment - unique situations require innovative solutions



Four types of bicyclists

Prioritization – what is implemented first?

- Proximity to residents (population density)
- Connection to jobs
- High concentration of services (routine)
- Impediments/Barriers (highways, railroad lines, steep slopes etc)
- Existing level of use (bike counts)
- Households without automobiles

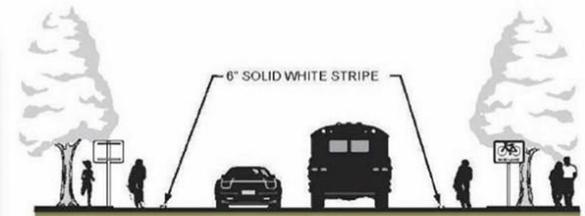


Bikeway Facilities - Classification

- **Bike Routes** – signed share the road system, travel in same lane as cars. May include sharrows or other markings to indicate space is shared by users.
- **Bike Lanes** – marked & designated space on street in restricted lane
- **Multi-Use Paths**– physically separated from car traffic, accommodate other bicyclists, pedestrians, & other non-motorized travel)



CLASS I BIKEWAY (Bike Path)
Provides a completely separated right-of-way for the exclusive use of bicycles and pedestrians with crossflow minimized.



CLASS II BIKEWAY (Bike Lane)
Provides a striped lane for one-way bike travel on a street or highway.

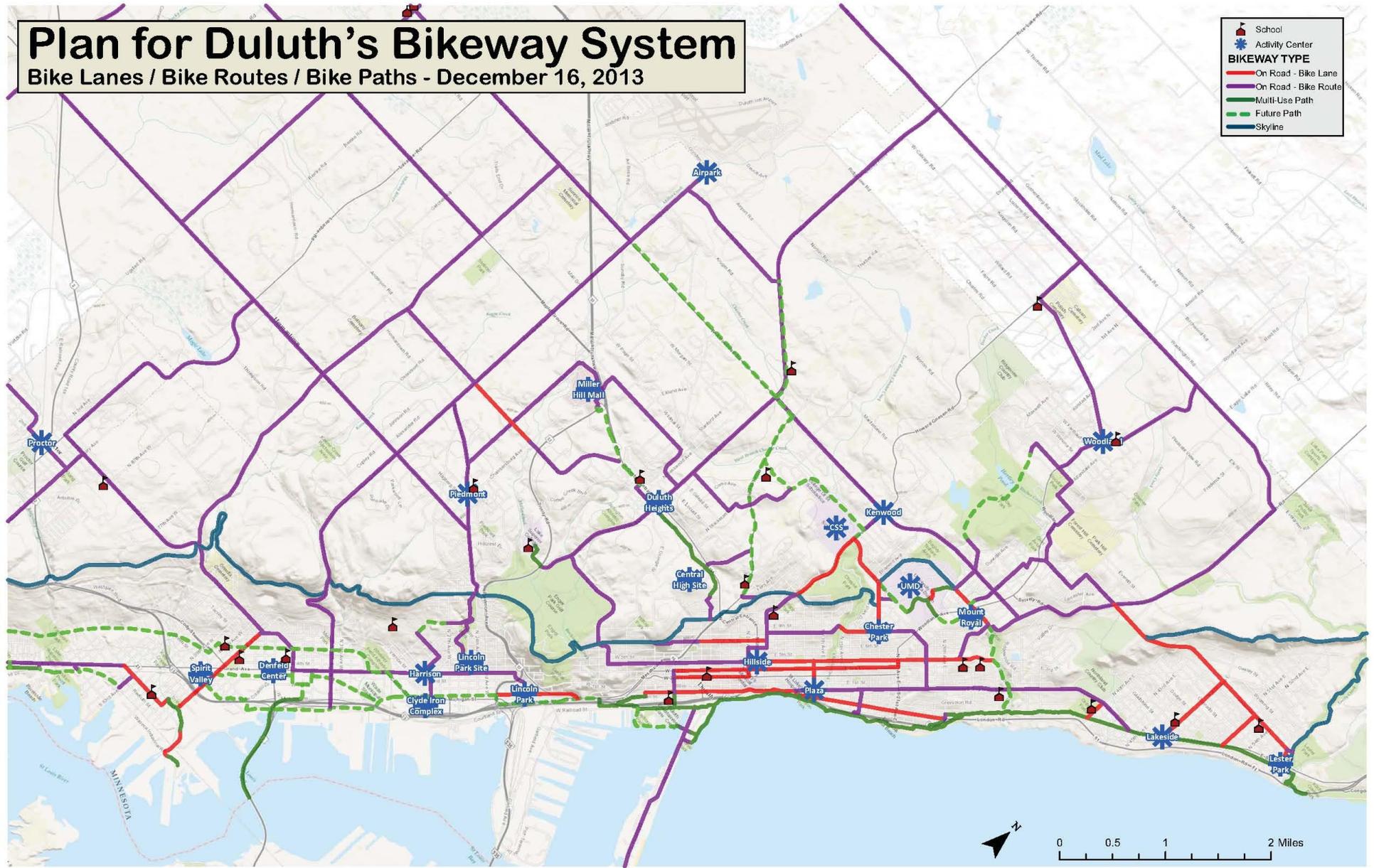


CLASS III BIKEWAY (Bike Route)
Provides for shared use with pedestrian or motor vehicle traffic.

Duluth-Superior Bikeways Plan

Plan for Duluth's Bikeway System
Bike Lanes / Bike Routes / Bike Paths - December 16, 2013

 School
 Activity Center
BIKEWAY TYPE
 On Road - Bike Lane
 On Road - Bike Route
 Multi-Use Path
 Future Path
 Skyline



Duluth-Superior Bikeways Plan



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- **Protected Bike Lanes** – hybrid type – marked and/or designated space restricted to bicycles only and separated from car traffic with buffers and physical barriers.
- **Bike Boulevards** – prioritize bike travel above motorized vehicle traffic through traffic calming applications, applicable on local roads or residential streets

Bikeway Facilities – Recommendations

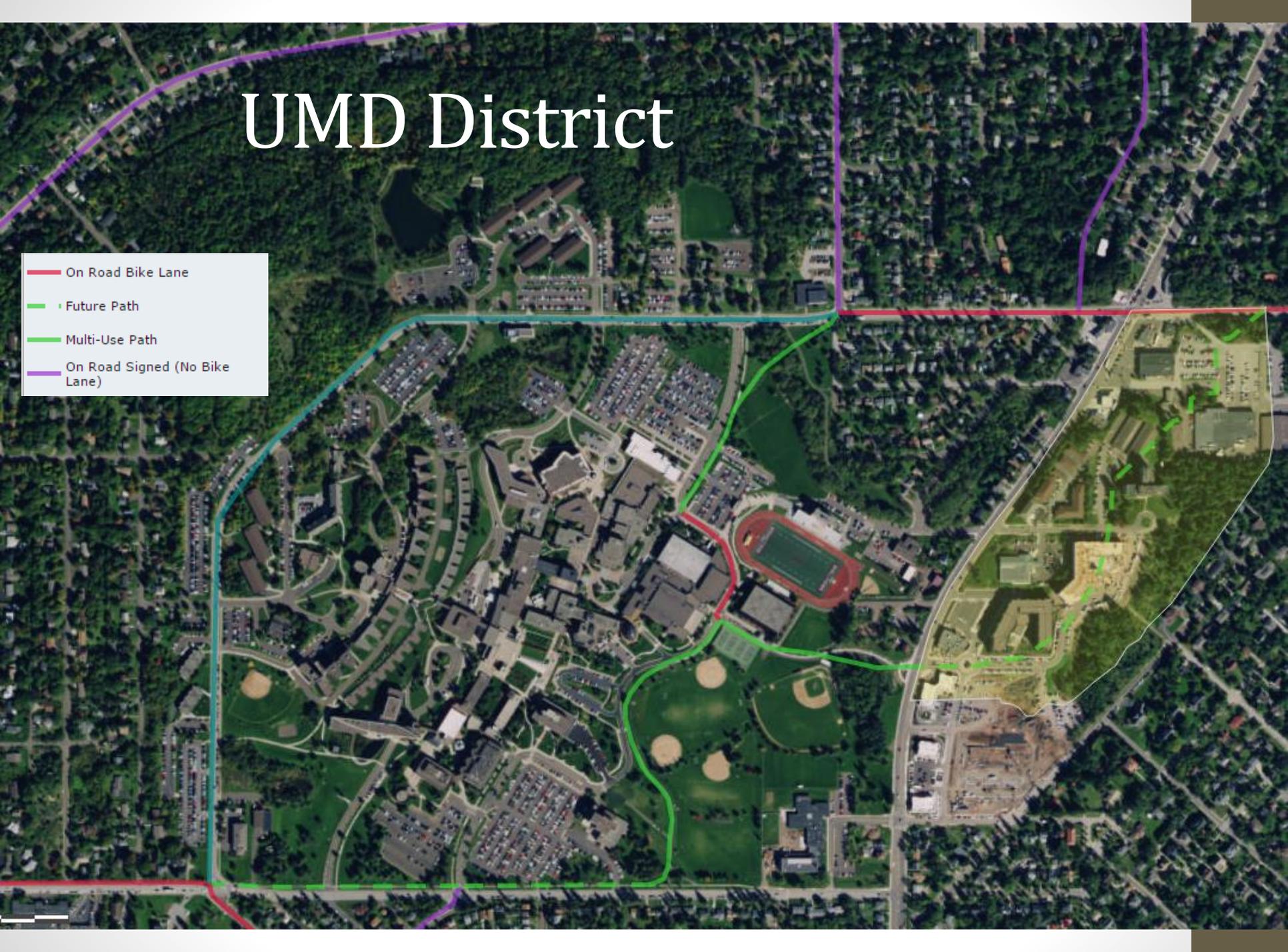
- Recommended Bikeway Facility - based on existing conditions (as conditions change, design may need to change i.e. London Road):
 - Width of street
 - Speed of Traffic
 - Level of Traffic
 - Role of the street in the network
 - Surrounding land use

Downtown Duluth Bikeways



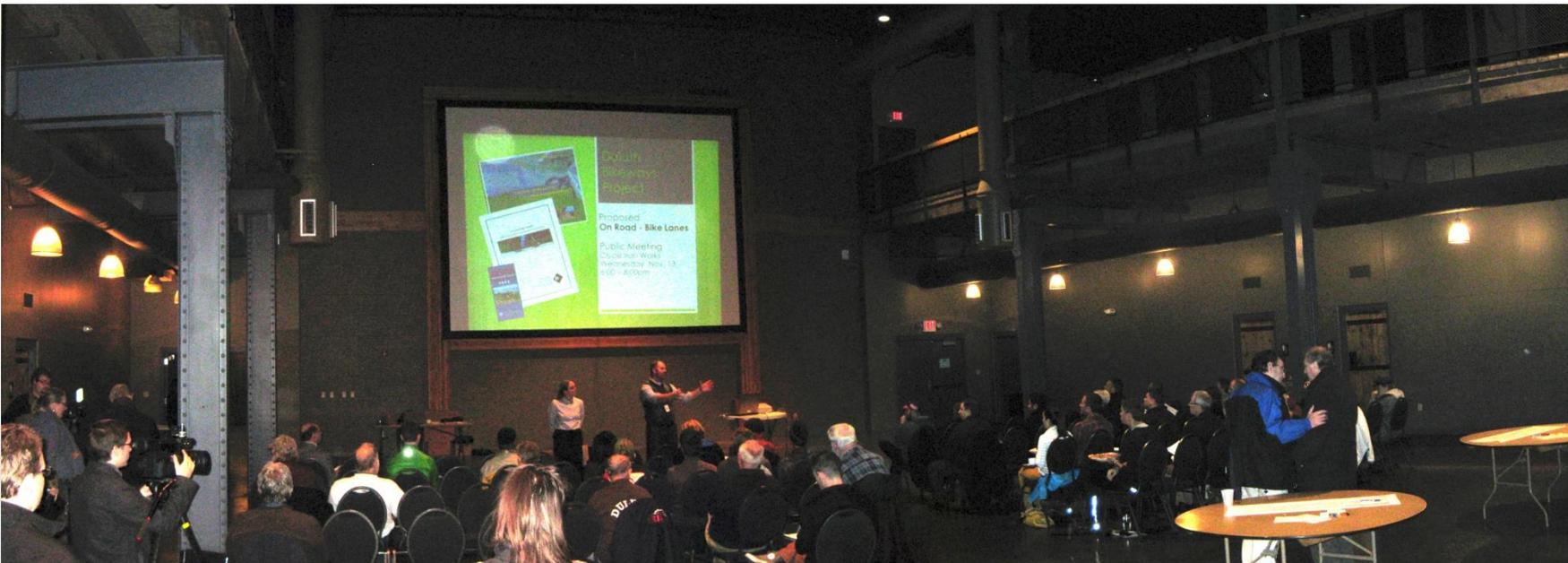
UMD District

- On Road Bike Lane
- Future Path
- Multi-Use Path
- On Road Signed (No Bike Lane)



Timeline

| Month | Activity | Tasks | |
|----------------|-------------------------|------------------------------|--------------------------------------|
| Late January | Jurisdictional Meetings | Finalize & Review Draft Plan | Sit-down meetings with jurisdictions |
| Early February | BPAC | Present Draft Plan | |
| Mid February | Public Engagement | Open House | Survey |
| March | Final Review & Approval | Incorporate Comments | Review of Revisions & Approval |



Bikeways Plan

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