











lowa DOTBicycle & Pedestrian Long-Range Plan

MPO/RPA Quarterly Meeting

Scope of the Plan



- Public Participation
- Existing Conditions
 Assessment
- Bicycle & Pedestrian
 Facility Recommendations
- Funding & Implementation
 Strategies
- Plan Development





Existing Conditions Analysis Conditions



Context

- Crash Analysis
- On-Road Bicycle Compatibility





Existing Conditions Analysis CONT



- Context
- Crash Analysis
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Existing Conditions Analysis Conditions



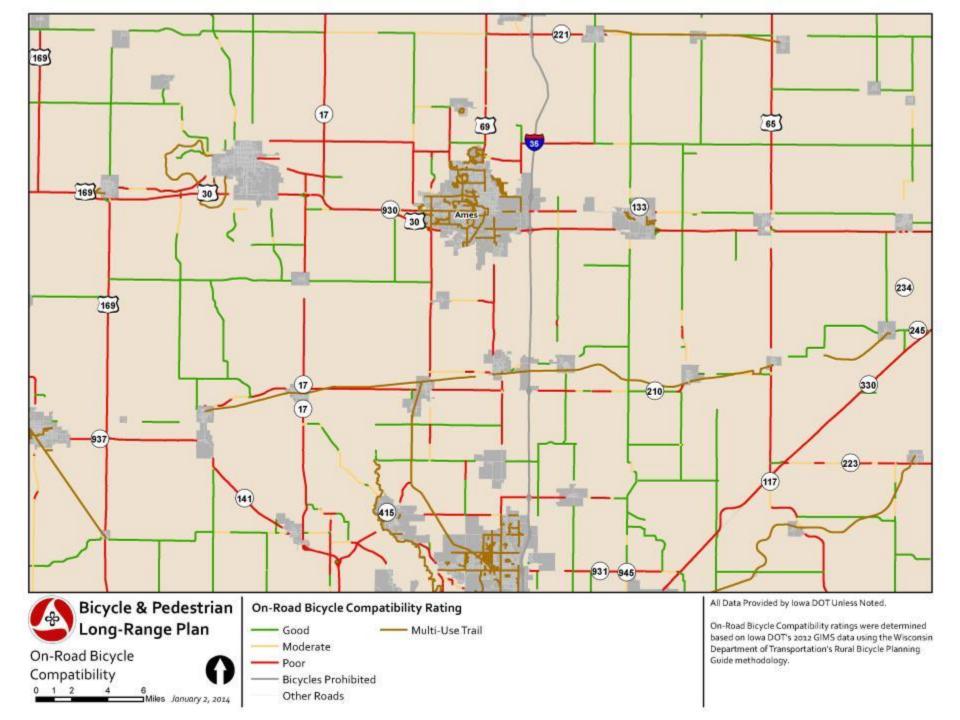
Context

- Crash Analysis
- On-Road Bicycle Compatibility

- **Designed for rural road** context
- Estimates probability of conflict
- **Primary factors are:**
 - Pavement width
 - Traffic volume
 - Percent of heavy truck traffic
 - **Passing restrictions** (indicate limited sight distances and other higherconflict areas)









Complete Streets Approach

- Clear guidance for when accommodations may be <u>omitted</u>.
- Modify Design Criteria Worksheets and Typical Roadway Sections to default to including accommodations
- Modify Design Decision Documentation to require justification of omission
- Include bike/ped person on scoping team







Ensure adequate and consistent accommodation design.

- On-road Bikeways section for the Design Manual (coordinate with SUDAS).
- Modify/clarify paved shoulder policy and standard road plan files, noting minimum effective paved shoulder width from rumbles.
- Increase Central Office's ability to provide technical assistance – possibly add an engineer to focus on bike/ped design.
- Facility selection guide to aid designers.









	Description	Users	Context	Posted Speed Limit	Motor Vehicle Traffic Volume	Other Considerations
Bike Lanes	4- to 6-foot wide lanes designated for exclusive use by bicyclists. Typically applied to arterial and collector streets where volumes and/or speeds would otherwise discourage bicycling. May include striped buffers or physical barriers for further separation.	Bicyclists	Urban	30 mph or higher.	Varies, but typically 3,000 ADT or greater.	Where motor vehicles are allowed to park adjacent to bike lane, provide a bike lane of sufficient width to reduce probability of conflicts due to opening vehicle doors and objects in the road. Analyze intersections to reduce bicyclist/motor vehicle conflicts.







Bicycle and Pedestrian Facilities and Treatments



Curb ramps provide transition between sidewalks and crosswalks and must be installed at all intersection and midblock pedestrian crossings, as mandated by federal legislation (1973 Rehabilitation Act and ADA 1990). All newly constructed and altered roadway projects must include curb ramps. Agencies with more than 50 employees are required to have a transition plan in place to address the staging of the curb ramp upgrades.

Basic Design Parameters — The design parameters of individual curb ramps are relatively complex and are explicitly stated in the Iowa DOT Design Manual. Separate curb ramps should be provided for each crosswalk at an intersection rather than a single ramp at a corner for both crosswalks. The separate curb ramps improve orientation for visually impaired pedestrians by directing them toward the correct crosswalk.





Performance Measures and Input Measures

- Pedestrian Measures
 - Usage mode share
 - Safety crashes per year
 - Accessibility Percent of sidewalks and paths along primary and secondary roads that are ADA-compliant

- Bicycle Measures
 - Usage mode share
 - Safety crashes per year
 - Accessibility Percentage of rural and urban roads suitable for bicycling

Input·Measure → ¤	Baseline¤	Metric¤	Target¤	Related-Goal¤	Who-Measures or-Implements¤
Modify the Design Manual to- uniformly comply with the latest- version of national standards and best practices (AASHTO Guide for- the Development of Bicycle- Facilities).¤	n/a¤	Modifyall- relevant-sections- of-the-Design- Manual.¤	Modification- complete-by- 2016.¤	Coordinated, · Well-Designed¤	Iowa·DOT¤





- Statewide Network Recommendations.
- Project Costs
- Funding
- Implementation





What's Next?



- Finalize internal comments on Draft Plan.
- Meeting with Highway Division Management Team.
- Meeting with Iowa DOT Director
- One more set of meetings with Policy and Technical Committees.
- Draft Plan for public input –
 Spring of 2015



