project management . maintaining ND standards . process expertise . rural highway design . interstate design . urban design . subject matter expertise AASHTO greenbook expertise . engineering expertise . geometric design . modeling expertise . plan development . engineering principles environmental documents . engineering reports . engineering documentation . data analysis . cost estimating . design alternatives . public involvement design details . project meetings . delivering projects . tracking milestones . technical support . select and develop student design assistants . Training student involvement . networking and partnerships . coordination . MUTCD subject matter expertise . roadside design guide subject matter expertise

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Intersection Improvements

US 2 from Montana to US 85 in Williston



maintain NDDOT safety review process .
nical support . aerial imagery expertise .
DD editing expertise . data processing .
port . field data collection . safety survey rey preparation . survey review . survey e . maintenance of NDDOT GIS database metry manual . plat preparation . legal ate law and accepted practice expertise . intain utility permitting processes . CADD maintenance of CADD training program .

and private utilities . utility agreement

expertise . utility agreement preparation . management of state "One Call" . expertise in conducting CADD training . development of NDDOT CADD standards . maintenance of NDDOT CADD standards . expertise in utility policy . expertise project development technology . research in new technology . support for consultant and district work . consultant selection . management of ADA transition plan . maintenance of NDDOT Design Manual . training development expertise . project development expertise . district training . management of TRAC/RIDE program . manage consultant work products . special engineering assignments . title VI expertise . consultant evaluations . consultant management . consultant invoice approval . ADA design expertise . technical writing expertise . consultant administration . .signing expertise . surveys

Housekeeping: Forms

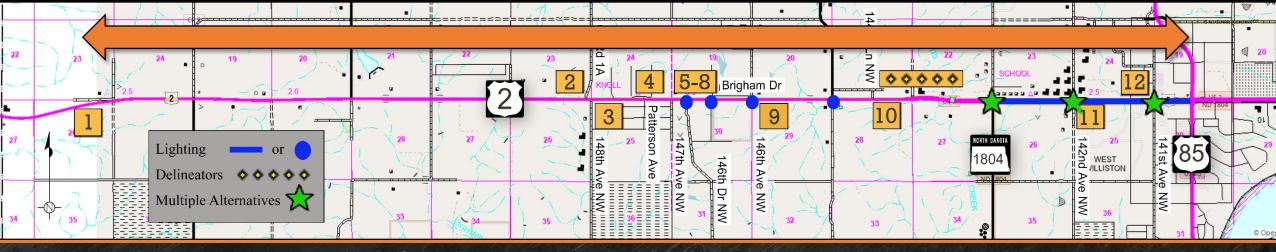
- Sign-in Sheet
- Comment Sheet
- NDDOT Title VI Public Participation Survey
 - Forms near the Entrance
 - www.dot.nd.gov
 (Public Events Calendar)



Overview

- Background
- Proposed Improvements
- Other Impacts
- Open House/ Opportunity for Input





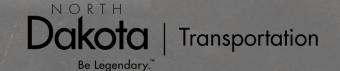
Project Location and Scope:

To reduce fatal & incapacitating crashes.

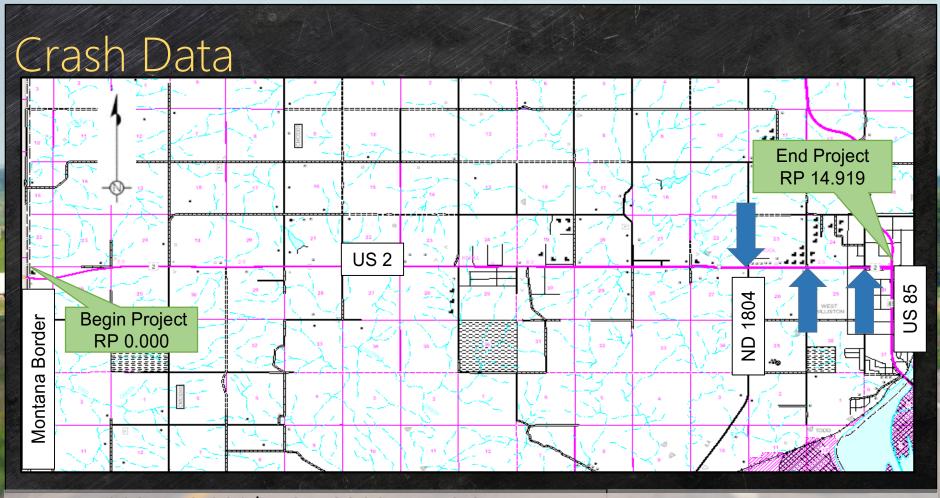
Increase sight distance.

Improve operations.





Project Location





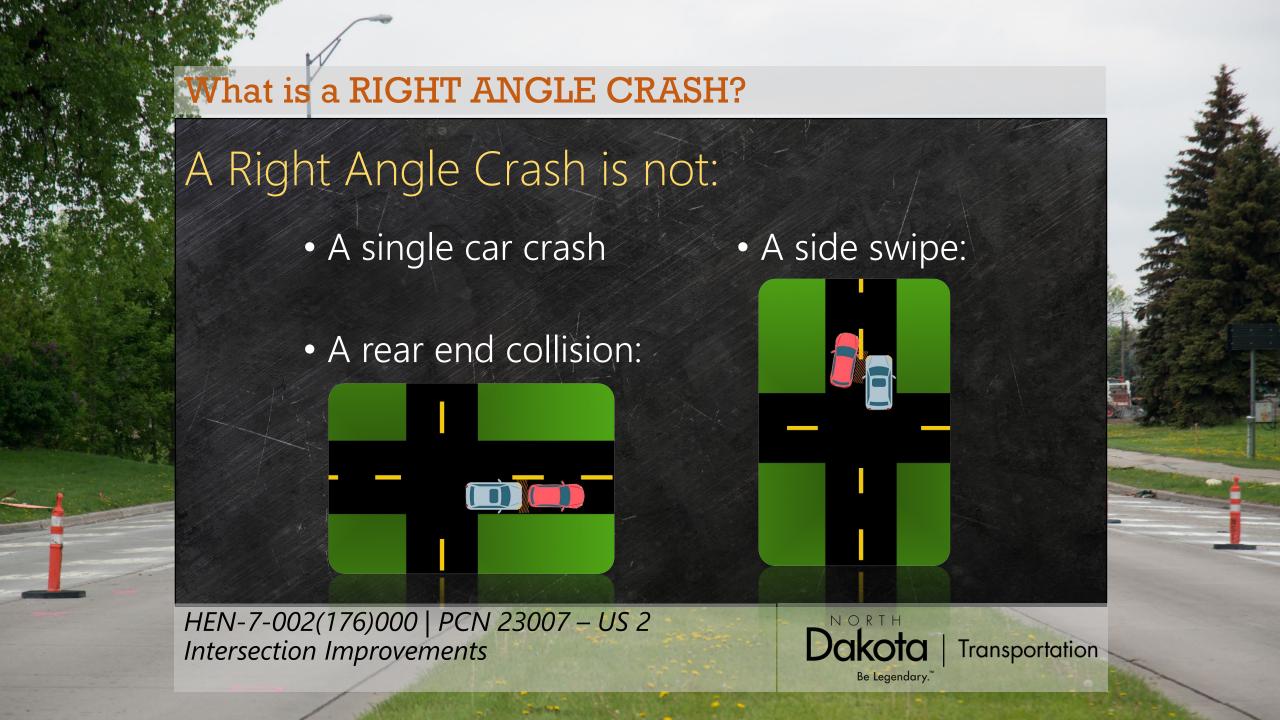
What is a Right Angle Crash?

Right Angle Crashes

- Side Collision
- Broadside Collision
- T-bone Collision

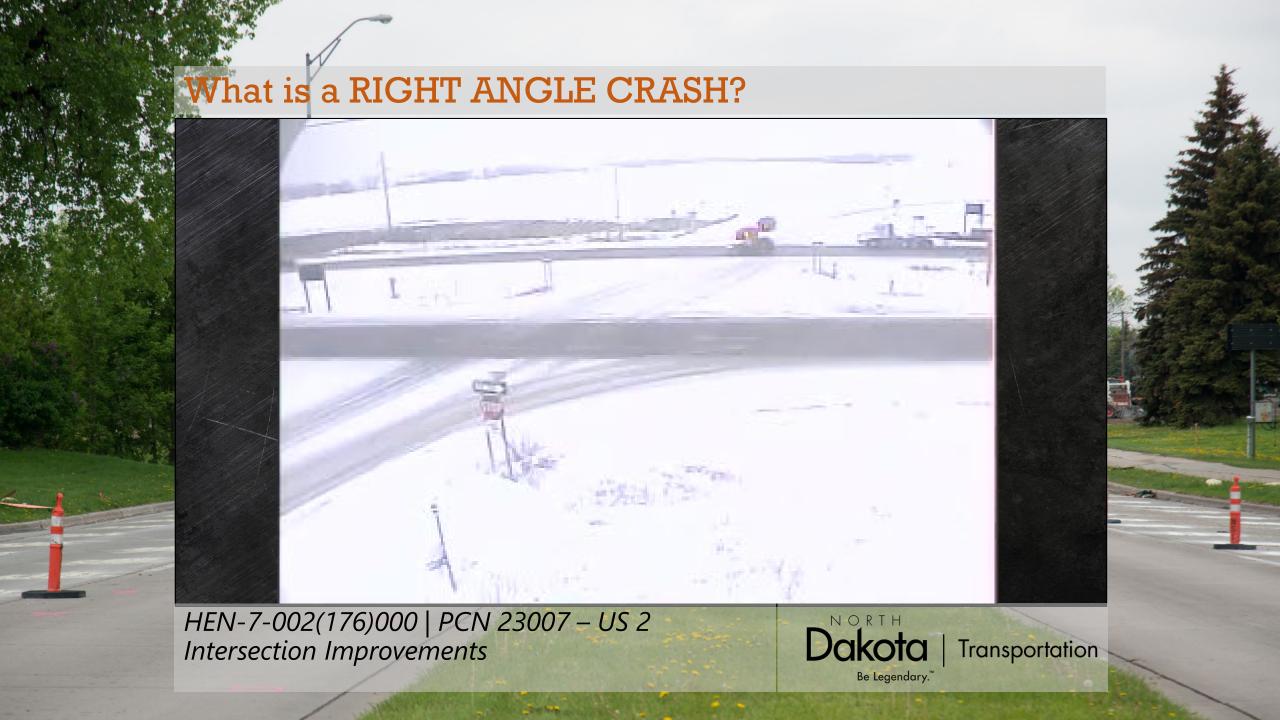


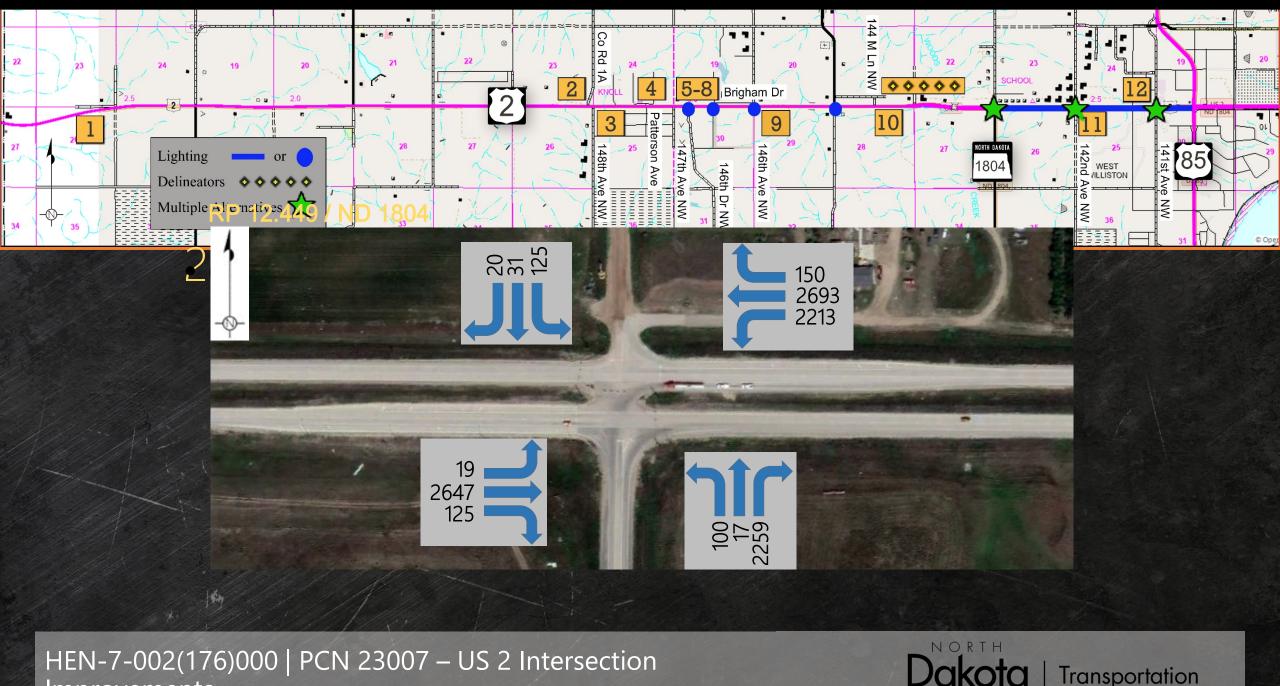




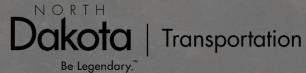


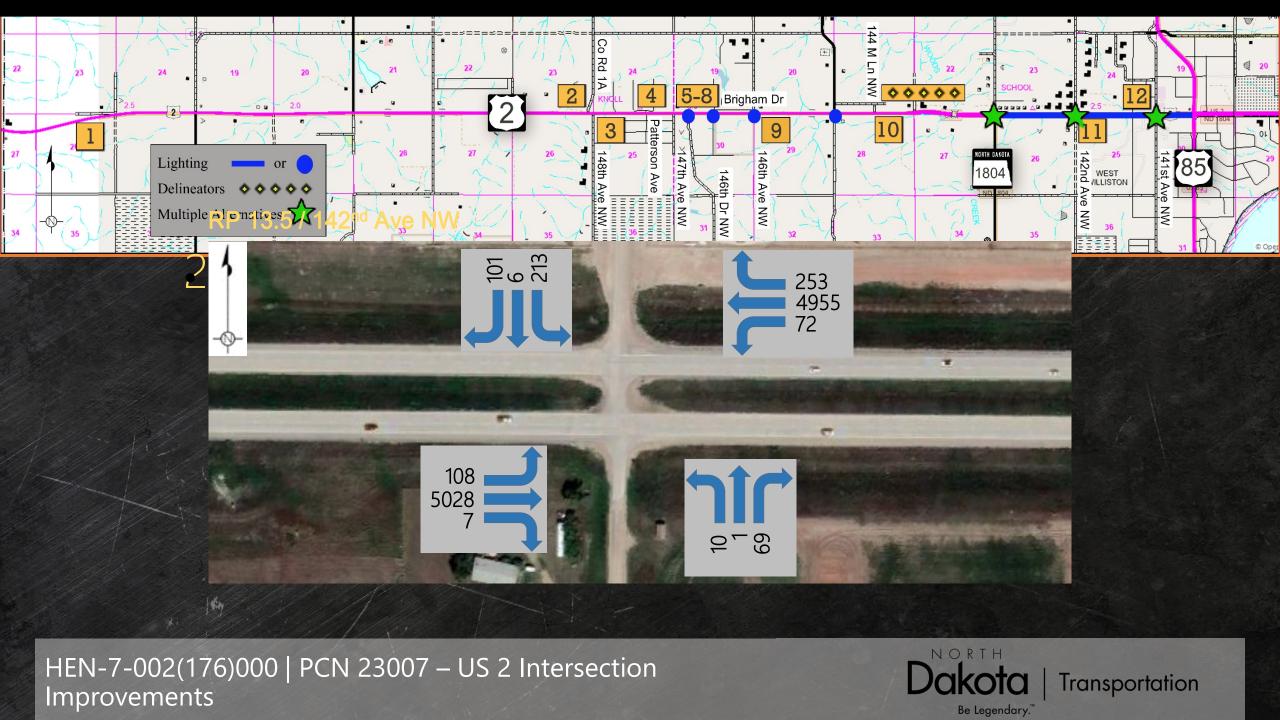


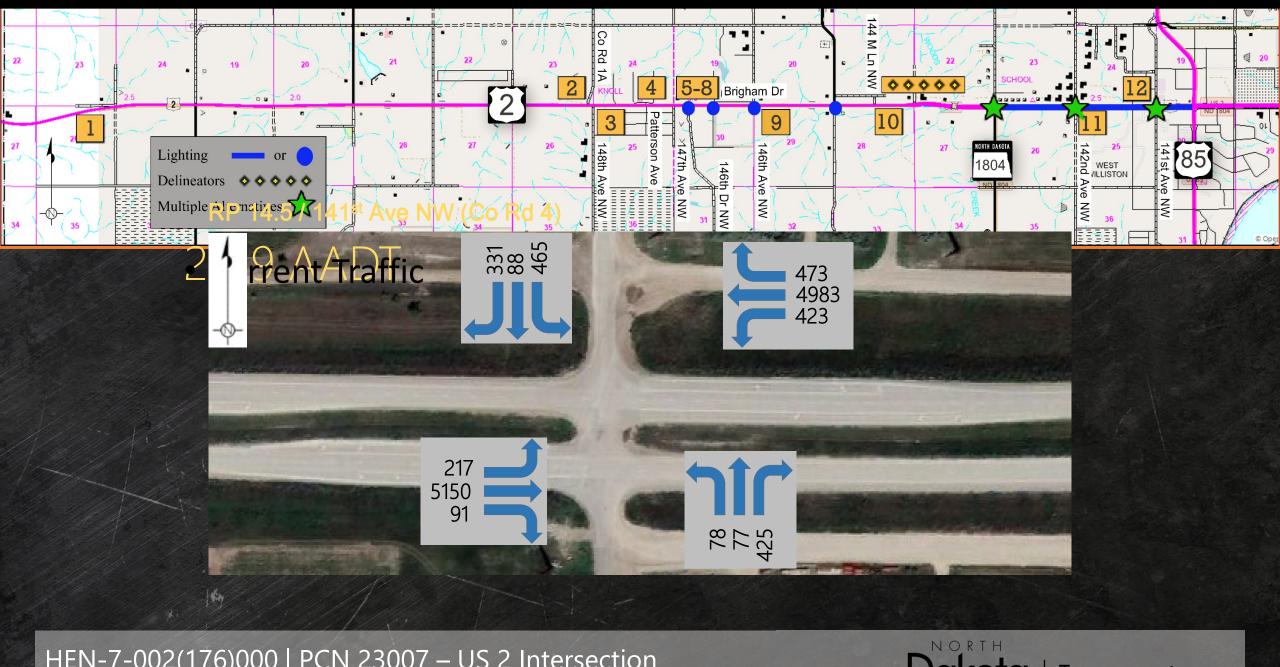


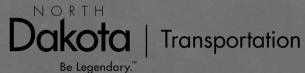


Improvements









Alternative A: No Build

Intersections along US 2 unaltered

- No bypass lanes or turn lanes constructed
- No change to lighting and signing
- No sight distance or operational improvements
- No reduction in angle crashes



Alternative B & C: Common Items

Both Alternatives 2 & 3 consist of the following:

- Constructing turn lanes
- Installing lighting
- Delineators along WB at the 2 to 4 lane transition
- Remove temporary signal at ND 1804



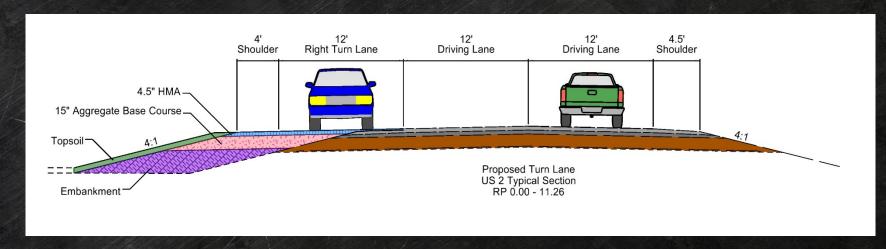
Alternative B & C: Common Items

US 2 RP / Cross Street	Proposed Turn Lane Movements			
	WB Right	WB Left	EB Right	EB Left
RP 0.5 / Private Dr	X			
RP 7.4 / Co Rd 1A & 148 th Ave NW	X			
RP 7.5 / 148 th Ave NW		Χ		
RP 8.1 / Round Prairie Ave & Patterson Ave	X	Χ		
RP 8.5 / 147 th Ave NW		Χ		
RP 8.6 / 146 th Dr NW		Χ	Χ	
**RP 8.7 / Truck Private Dr	X			
RP 9.0 / Brigham Dr		Χ		
RP 9.5 / 146 th Ave NW	X			X
RP 11.0 / 144M Ln NW	X			
RP 13.5 / 142 nd Ave NW	Χ	*		*
RP 14.3 / NDSU Extension	X			

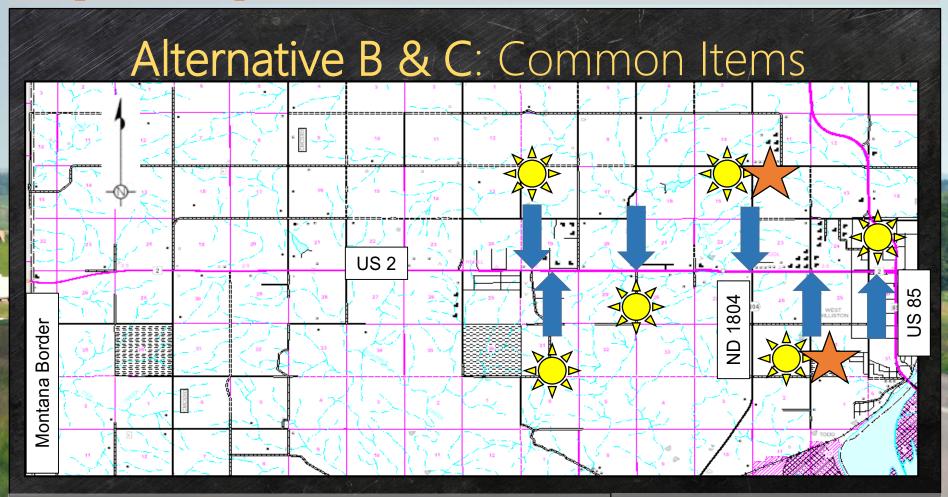


Alternative B & C: Common Items

Typical Section















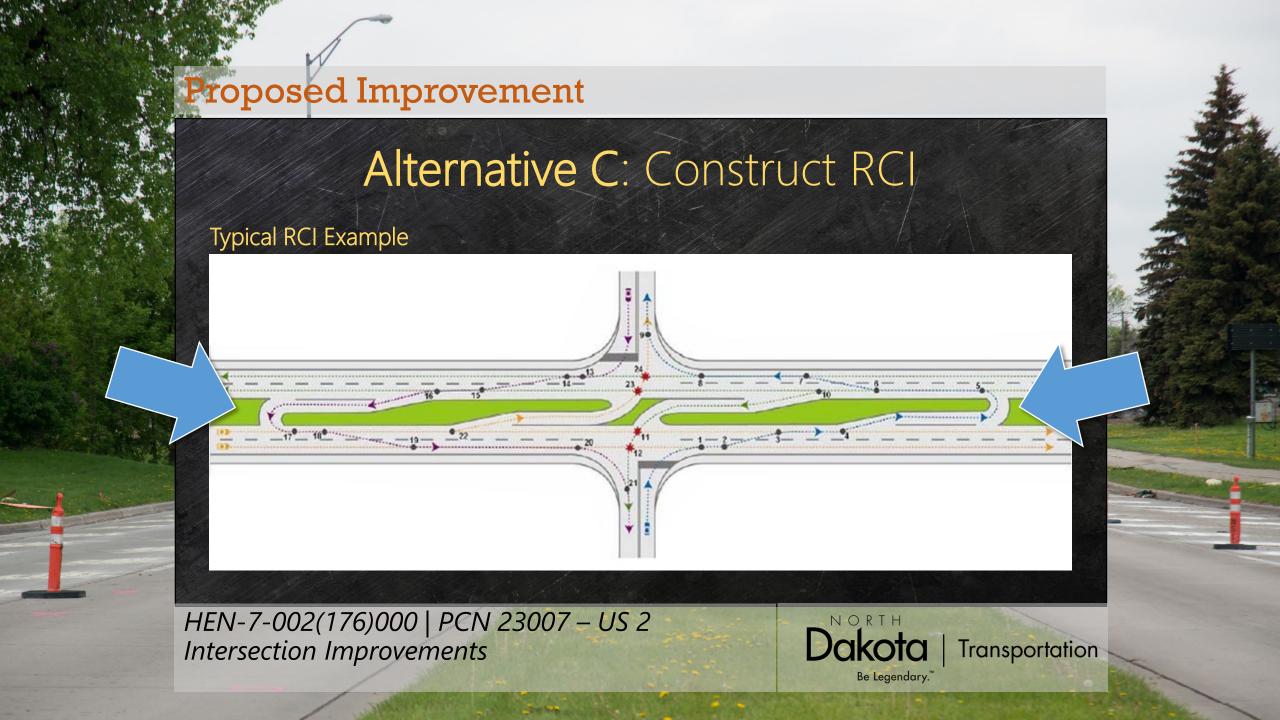
Alternative B: Construct Offset Lefts

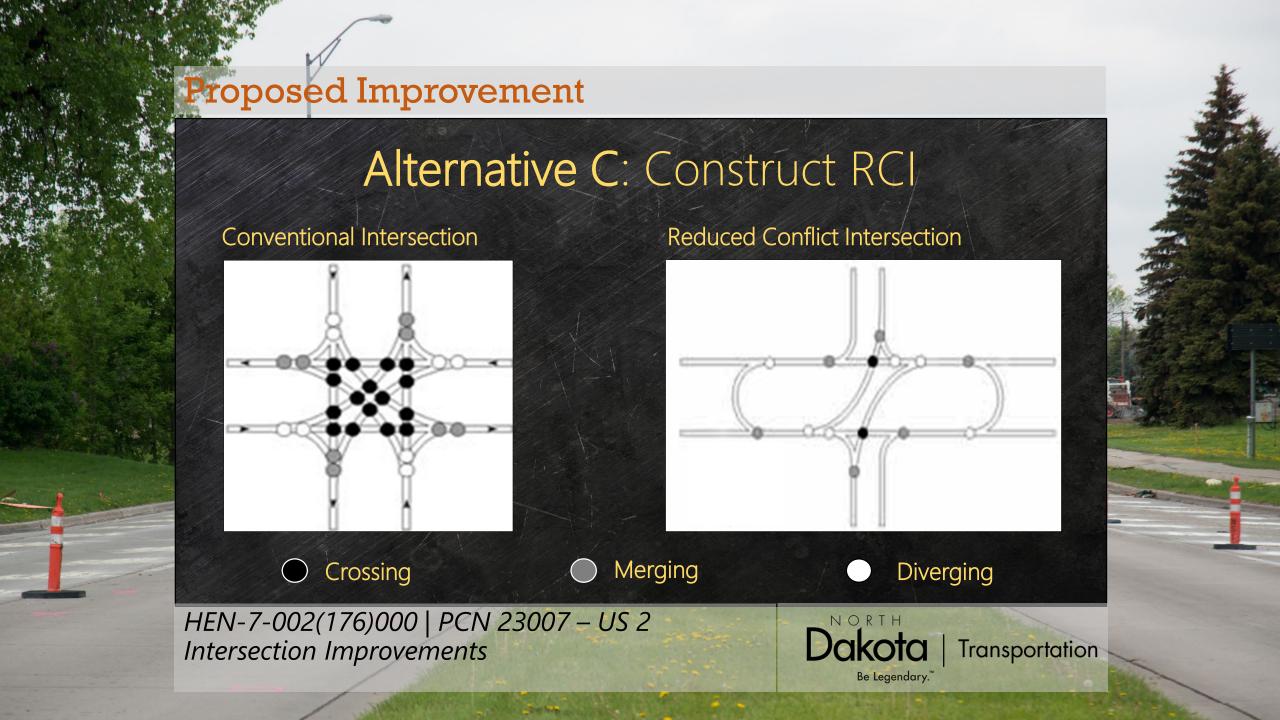
RP 13.5 / 142nd Ave NW

















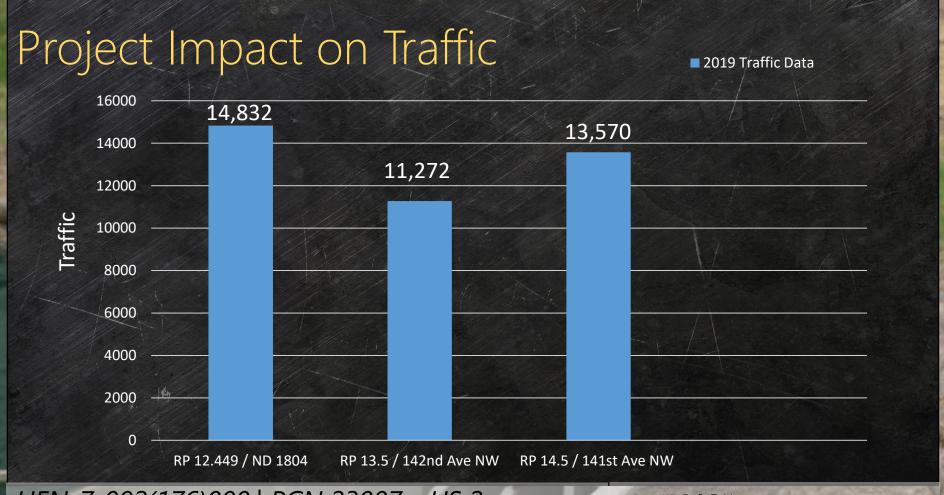
Alternative C: Construct RCI

RP 14.5 / 141st Ave NW (Co Rd 4)



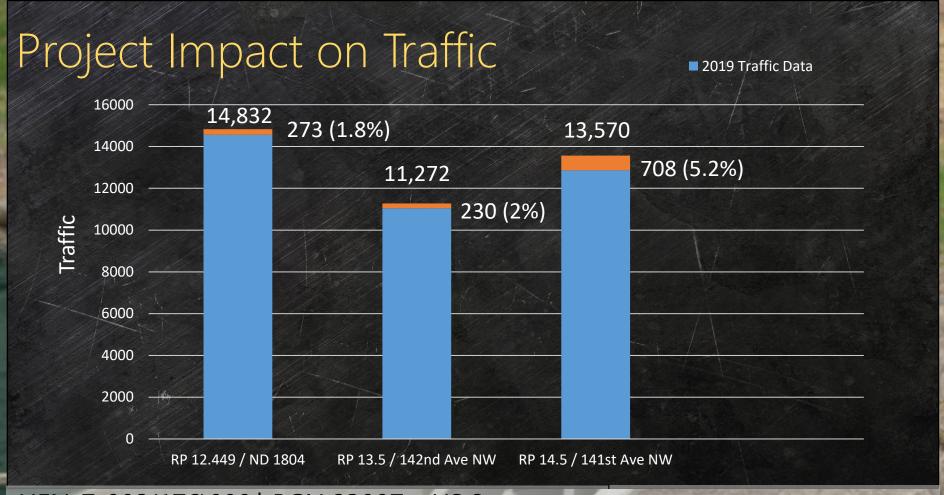


Traffic Data





Traffic Data

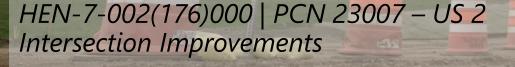




Other Impacts

Work Zone

- Lane closures for construction on the 4 lane portion.
- Shoulder closures for all construction on the 2 lane portion.
- Both sides: close one shoulder at a time.
- Phasing will keep all intersections open during construction.
- Flagging for access maintenance will be utilized during construction.





Other Impacts

Utilities Water Telephone Electric • Gas Television OH Utility Poles





Opportunity for Input

- NDDOT Representatives are on hand to answer your questions and discuss your concerns.
- Please visit with us at the exhibits around the room.



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