WIS 23 Freeway Designation and Corridor Preservation Plan

Public Information Meeting #1

CTH P to STH 32

Sheboygan County

WisDOT Project ID 1440-19-00

Wisconsin Department of Transportation

Agenda

- Introductions
- Project Overview
- Existing Traffic Conditions
- Crash Analysis
- Freeway Designation Alternatives

Study Team Introduction

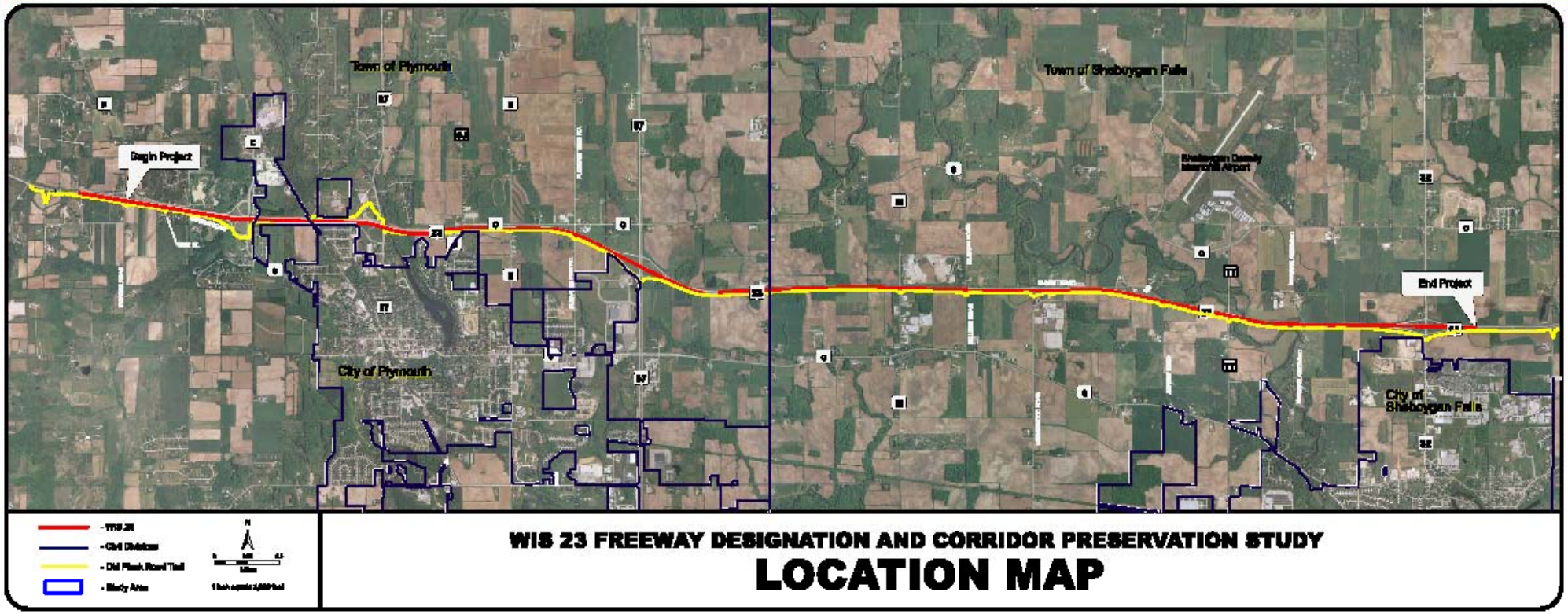
- Rob Wagner, P.E. – WisDOT Project Manager
- Colleen Harris – WisDOT Planning Supervisor
- Patrick Laux – WisDOT Corridor Planning Engineer
- Chris Cullotta – WisDOT Transportation Planner
- Joshua Mount – Consultant Project Manager

Purpose of Public Information Meeting #1

- Explain the Freeway Designation and Planning Process
- Introduce the Public to the Project Purpose and Goals
- Invite the Public to provide input and ideas to meet the project goals
- Gather information from the public on issues that may affect potential alternatives

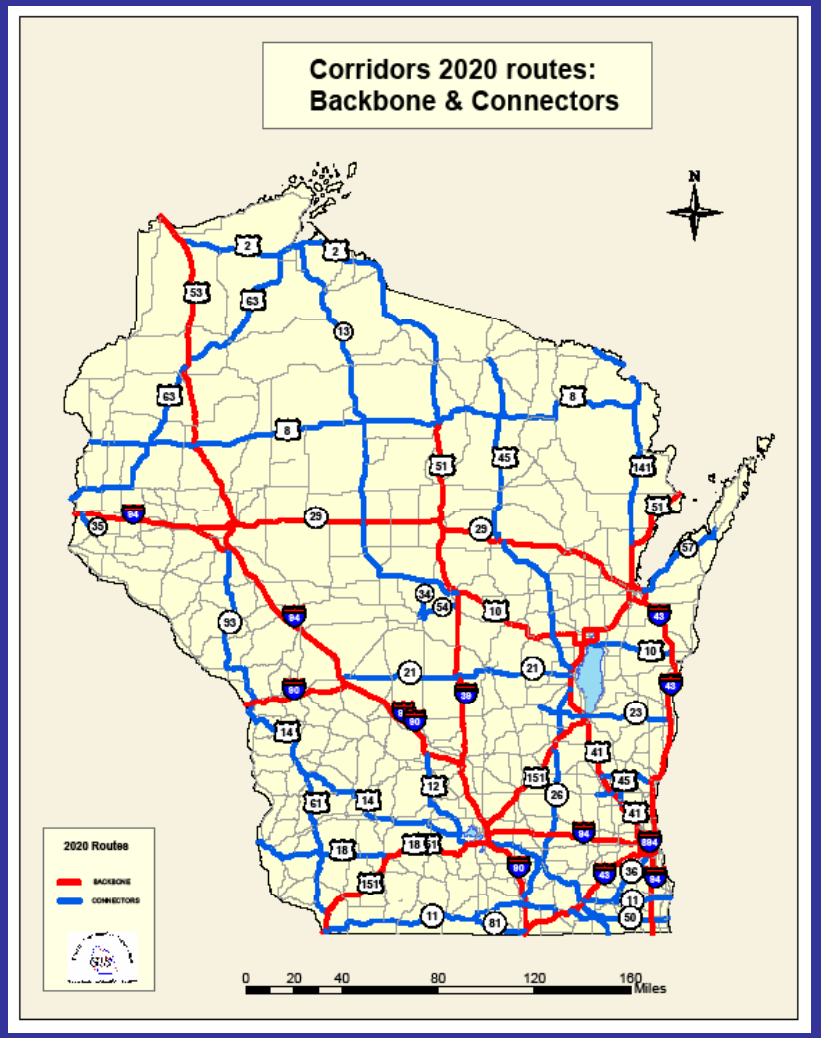
Project Overview

- Project Location



Project Overview

- Corridors 2020
  - Connector Route
  - Fond du Lac to Sheboygan
  - Safety
- Connections 2030
  - WIS 23 is a Statewide System-Level Priority Corridor.
  - High priority on Access Management and Mobility on WIS23
  - Tier 1 Access from WIS 67 to I-43
  - Tier 2A Access from US 151 to WIS 67



Project Overview

- WisDOT Goals and Objectives
  - Preserve the public investment in WIS 23 by planning for long-term mobility and safety
  - Map the right of way need for conversion of WIS 23 to a freeway
  - Avoid and minimize local impacts
  - Avoid and minimize environmental impacts
  - Work in a collaborative manner with local officials, stakeholders and the public throughout the study process
- Stakeholder Goals and Objectives
  - Protect Multi-Modal Investments
  - Maintain access for emergency response
  - Maintain local road continuity
  - Maintain consistency with existing plans
  - Maintain agricultural access across WIS 23

Existing Traffic Conditions

- Summary of Existing Traffic
  - All intersections operating at Level of Service A during the A.M. and P.M. peak hours
  - Arterial Level of Service for eastbound and westbound WIS 23 is operating at a Level of Service A close to the speed limit
  - The system is currently capable of serving additional capacity without a significant increase in delay

Crash Analysis

- Segment Crash Analysis
  - County P to County C
    - Has the highest segment crash rate
    - Crash rate influenced by construction
    - Post construction year of 2007 indicates a significant drop in overall crashes
  - East of County C to WIS 57
    - Crashes predominately located at the intersections with County O, County E and Pleasant View Road
    - Increase in crashes after construction at some intersections
  - East of WIS 57 to WIS 32
    - Crashes predominately located at the at-grade intersections
    - 3 fatalities were reported in this segment

Crash Analysis

County O Intersection

- Total Crashes = 28 (2003 – 2007)

- 78 % percent of crashes are angle collisions

- 57 % of all crashes resulted in injuries

- Under Construction from April 2004 to June 2006

- Highest intersection crash rate in the corridor

-Crashes increased after construction

Crash Analysis

AT-GRADE INTERSECTION CRASH SUMMARY TABLE

Intersection	Total Crashes (2003-2007)	Predominant Crash Type	% Predominant Crash Type	% Injuries
County P / Pioneer Rd	9	ANGLE COLLISION	56 %	67 %
Inez Court	1	FIXED OBJECT	100 %	0 %
Branch Road	2	NONE	N/A	0 %
County O/OJ	28	ANGLE COLLISION	78 %	57 %
County E	14	ANGLE COLLISION	86 %	50 %
Pleasant View Road	16	ANGLE COLLISION	75 %	50 %
Willow Road	5	ANGLE COLLISION	40 %	60 %
County M	16	ANGLE COLLISION	81 %	69 %
Hillside Road	3	ANGLE COLLISION	66 %	66 %
Bridgewood Road	4	NONE	N/A	75 %
Sunset Road	4	ANGLE COLLISION	75 %	50 %
County TT	11	ANGLE COLLISION	45%	18 %
Meadowlark Road	1	ANGLE COLLISION	100%	100 %

Crash Analysis

Summary

-Angle Crashes are the predominant crash type in the WIS 23 Corridor.

-68% (90 of 132) crashes reported at the at-grade intersection and ramp terminal intersections were angle collisions.

-63% (57 of 90) angle crashes reported resulted in injuries or fatalities.

-50% (65 of 132) of all crashes reported resulted in injuries.

-High speed roadway combined with traffic turning and crossing at median openings results in injury angle collisions.

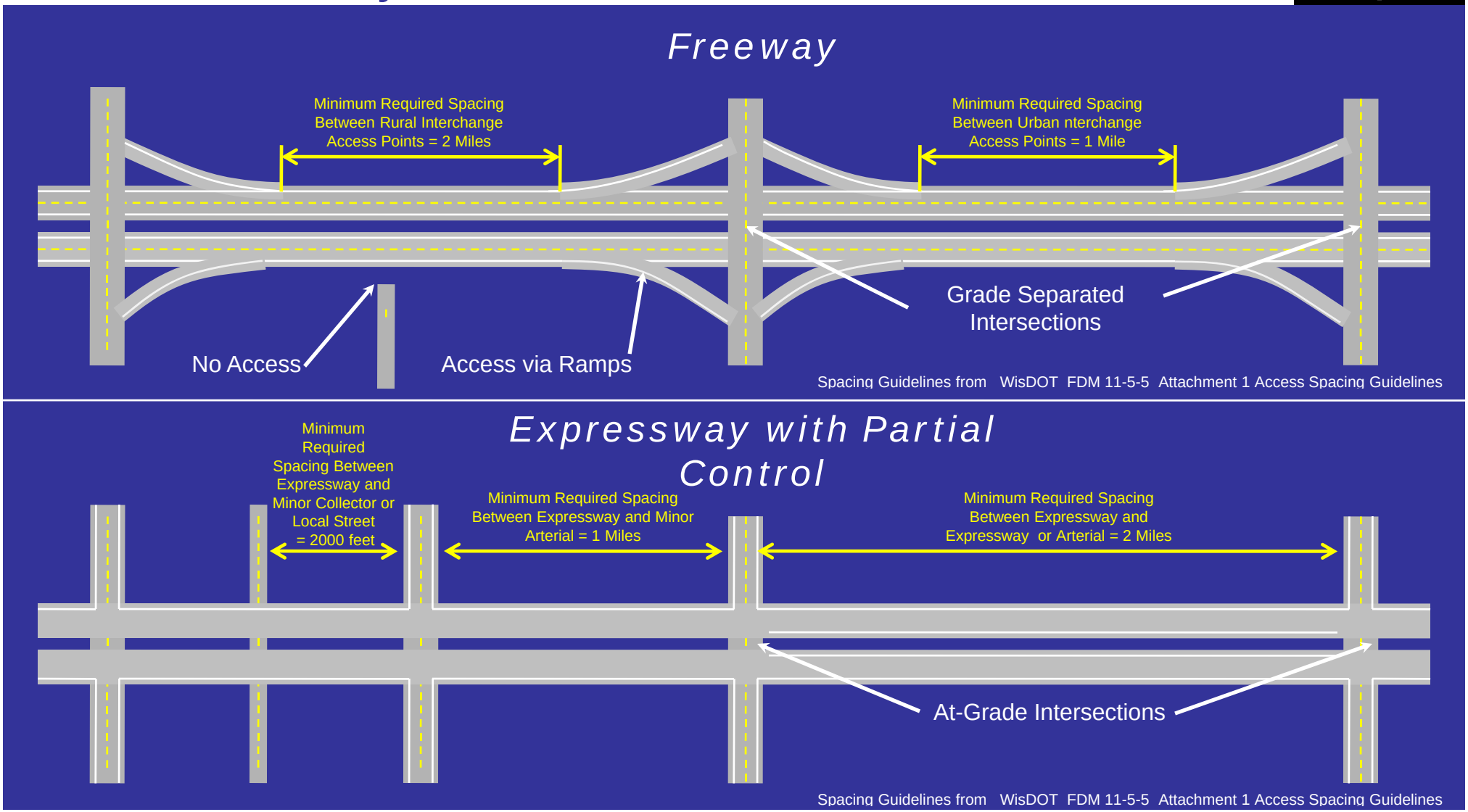
Potential Interim Improvements

- Right In – Right Out
  - Reduces conflict points
  - Implementation with signing or Minor Geometric Improvements

- Intersection Closures
  - Best way to improve safety at intersections
  - Low volume intersections

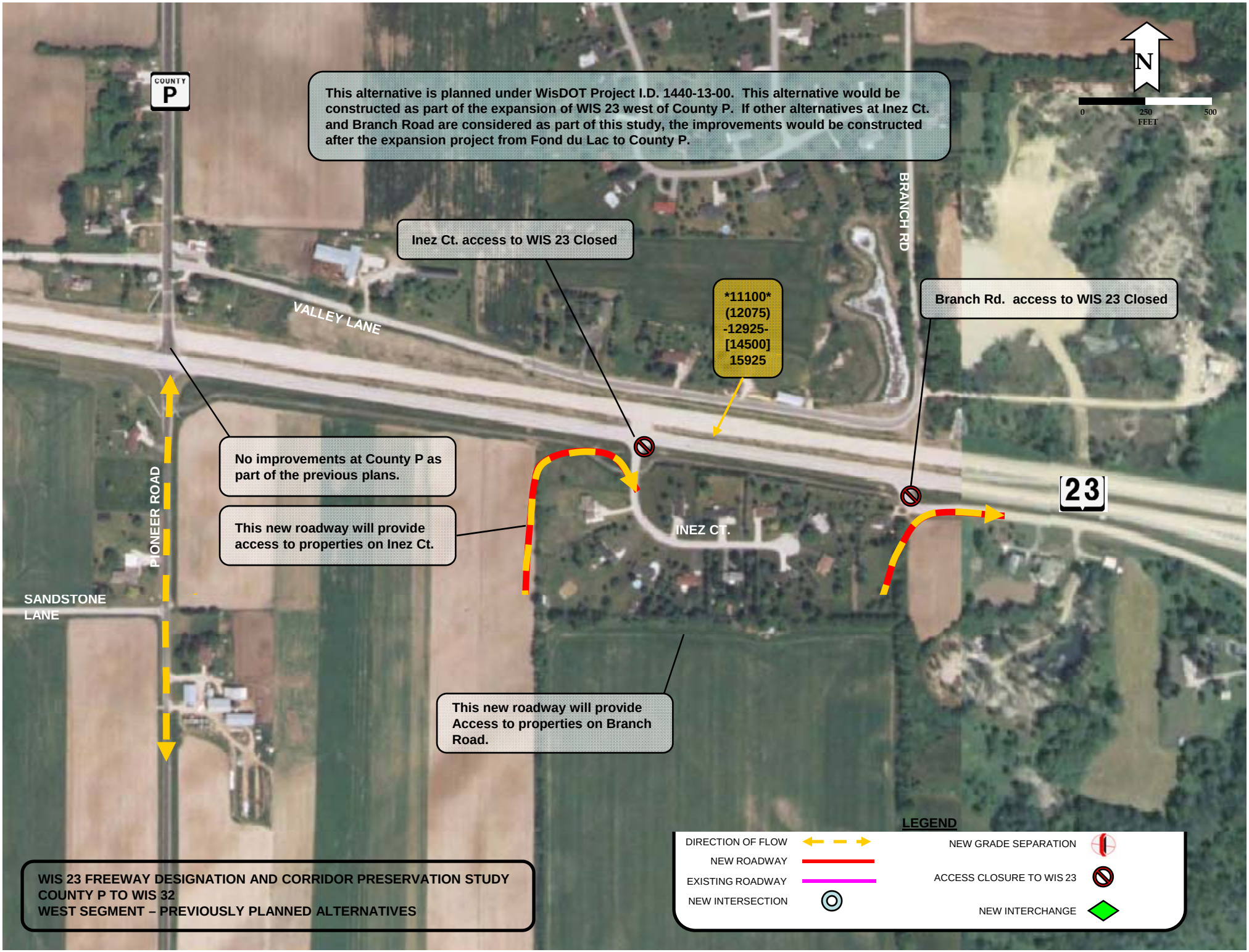
Freeway Designation Alternatives

What is a Freeway?



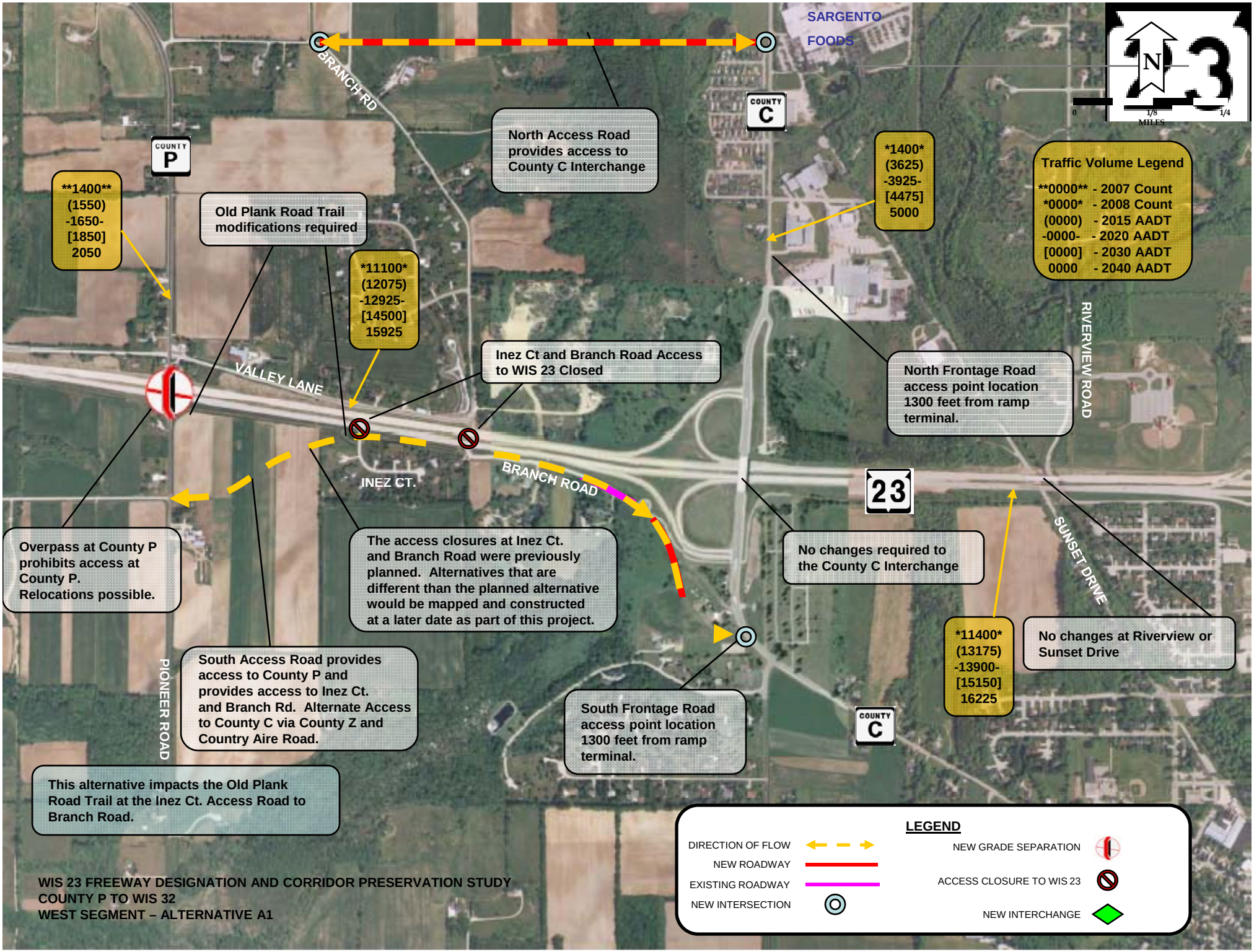
Freeway Designation Alternatives

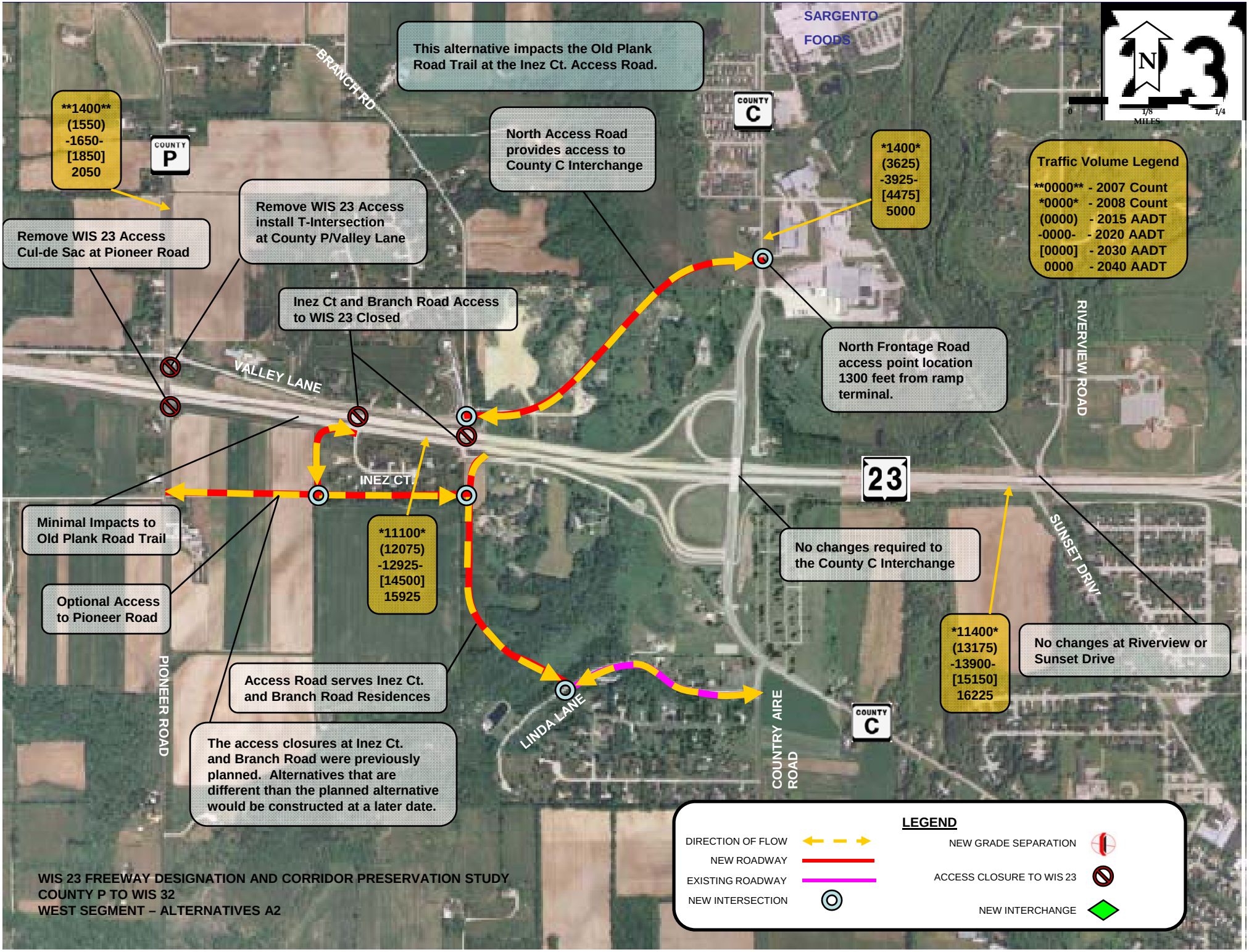
- West Segment – County P to County C
  - Previously Planned Alternative
  - Access Road from Pioneer Road to Inez Court and Branch Road
  - Intersection Closures at Inez Court and Branch Road
  - Overpass at County P/Pioneer Road

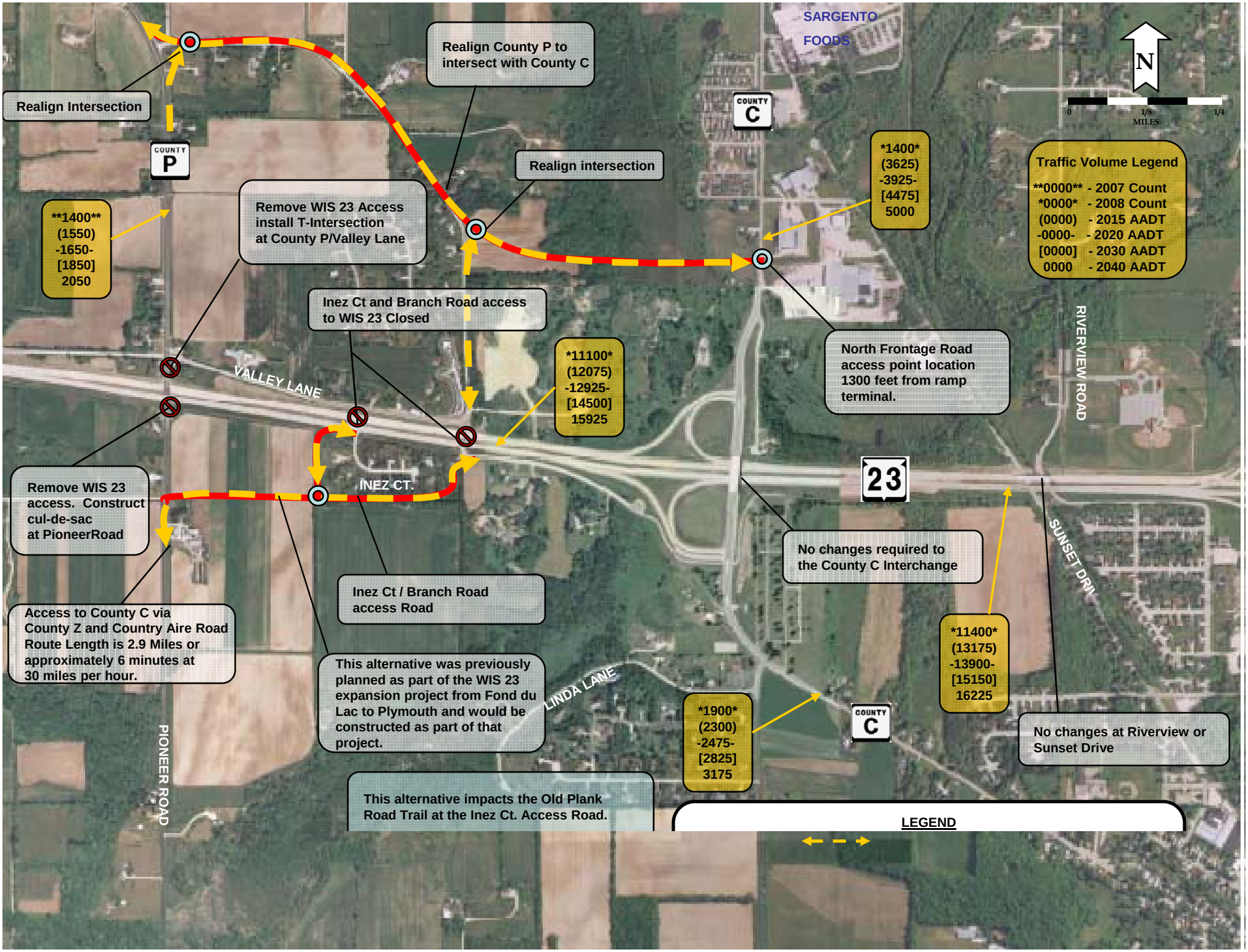

This alternative is planned under WisDOT Project I.D. 1440-13-00. This alternative would be constructed as part of the expansion of WIS 23 west of County P. If other alternatives at Inez Ct. and Branch Road are considered as part of this study, the improvements would be constructed after the expansion project from Fond du Lac to County P.
N
0
250
500
FEET
COUNTY P
BRANCH RD
Inez Ct. access to WIS 23 Closed
11100
(12075)
-12925-
[14500]
15925
Branch Rd. access to WIS 23 Closed
VALLEY LANE
No improvements at County P as part of the previous plans.
This new roadway will provide access to properties on Inez Ct.
PIONEER ROAD
INEZ CT.
23
SANDSTONE LANE
This new roadway will provide Access to properties on Branch Road.
LEGEND
DIRECTION OF FLOW
NEW ROADWAY
EXISTING ROADWAY
NEW INTERSECTION
NEW GRADE SEPARATION
ACCESS CLOSURE TO WIS 23
NEW INTERCHANGE
WIS 23 FREEWAY DESIGNATION AND CORRIDOR PRESERVATION STUDY
COUNTY P TO WIS 32
WEST SEGMENT – PREVIOUSLY PLANNED ALTERNATIVES

Freeway Designation Alternatives

- West Segment – County P to County C
  - Overpass or Intersection Closure at County P/Pioneer Rd
  - Intersection Closures at Inez Court and Branch Road are necessary
  - Connection Roads from County P to County C


SARGENTO FOODS
BRANCH RD
COUNTY C
COUNTY P
North Access Road provides access to County C Interchange
1400 (3625) -3925- [4475] 5000
Traffic Volume Legend
0000 - 2007 Count
0000 - 2008 Count
(0000) - 2015 AADT
-0000- - 2020 AADT
[0000] - 2030 AADT
0000 - 2040 AADT
1400 (1550) -1650- [1850] 2050
Old Plank Road Trail modifications required
11100 (12075) -12925- [14500] 15925
Inez Ct and Branch Road Access to WIS 23 Closed
North Frontage Road access point location 1300 feet from ramp terminal.
RIVERVIEW ROAD
VALLEY LANE
INEZ CT.
BRANCH ROAD
23
Overpass at County P prohibits access at County P. Relocations possible.
The access closures at Inez Ct. and Branch Road were previously planned. Alternatives that are different than the planned alternative would be mapped and constructed at a later date as part of this project.
No changes required to the County C Interchange
SUNSET DRIVE
11400 (13175) -13900- [15150] 16225
No changes at Riverview or Sunset Drive
PIONEER ROAD
South Access Road provides access to County P and provides access to Inez Ct. and Branch Rd. Alternate Access to County C via County Z and Country Aire Road.
South Frontage Road access point location 1300 feet from ramp terminal.
This alternative impacts the Old Plank Road Trail at the Inez Ct. Access Road to Branch Road.
LEGEND
DIRECTION OF FLOW
NEW ROADWAY
EXISTING ROADWAY
NEW INTERSECTION
NEW GRADE SEPARATION
ACCESS CLOSURE TO WIS 23
NEW INTERCHANGE
WIS 23 FREEWAY DESIGNATION AND CORRIDOR PRESERVATION STUDY
COUNTY P TO WIS 32
WEST SEGMENT – ALTERNATIVE A1


This alternative impacts the Old Plank Road Trail at the Inez Ct. Access Road.
SARGENTO FOODS
BRANCH RD
COUNTY C
COUNTY P
1400 (1550) -1650- [1850] 2050
North Access Road provides access to County C Interchange
1400 (3625) -3925- [4475] 5000
Traffic Volume Legend
0000 - 2007 Count
0000 - 2008 Count
(0000) - 2015 AADT
-0000- - 2020 AADT
[0000] - 2030 AADT
0000 - 2040 AADT
Remove WIS 23 Access Cul-de Sac at Pioneer Road
Remove WIS 23 Access install T-Intersection at County P/Valley Lane
Inez Ct and Branch Road Access to WIS 23 Closed
North Frontage Road access point location 1300 feet from ramp terminal.
RIVERVIEW ROAD
VALLEY LANE
INEZ CT.
23
Minimal Impacts to Old Plank Road Trail
11100 (12075) -12925- [14500] 15925
No changes required to the County C Interchange
SUNSET DRIVE
Optional Access to Pioneer Road
11400 (13175) -13900- [15150] 16225
No changes at Riverview or Sunset Drive
PIONEER ROAD
Access Road serves Inez Ct. and Branch Road Residences
LINDA LANE
COUNTRY AIRE ROAD
COUNTY C
The access closures at Inez Ct. and Branch Road were previously planned. Alternatives that are different than the planned alternative would be constructed at a later date.
LEGEND
DIRECTION OF FLOW
NEW ROADWAY
EXISTING ROADWAY
NEW INTERSECTION
NEW GRADE SEPARATION
ACCESS CLOSURE TO WIS 23
NEW INTERCHANGE
WIS 23 FREEWAY DESIGNATION AND CORRIDOR PRESERVATION STUDY
COUNTY P TO WIS 32
WEST SEGMENT – ALTERNATIVES A2


Realign Intersection
Realign County P to intersect with County C
Realign intersection
Remove WIS 23 Access install T-Intersection at County P/Valley Lane
1400 (1550) -1650- [1850] 2050
1400 (3625) -3925- [4475] 5000
Traffic Volume Legend
0000 - 2007 Count
0000 - 2008 Count
(0000) - 2015 AADT
-0000- - 2020 AADT
[0000] - 2030 AADT
0000 - 2040 AADT
Inez Ct and Branch Road access to WIS 23 Closed
11100 (12075) -12925- [14500] 15925
North Frontage Road access point location 1300 feet from ramp terminal.
VALLEY LANE
INEZ CT.
Remove WIS 23 access. Construct cul-de-sac at PioneerRoad
No changes required to the County C Interchange
Inez Ct / Branch Road access Road
Access to County C via County Z and Country Aire Road Route Length is 2.9 Miles or approximately 6 minutes at 30 miles per hour.
This alternative was previously planned as part of the WIS 23 expansion project from Fond du Lac to Plymouth and would be constructed as part of that project.
LINDA LANE
11400 (13175) -13900- [15150] 16225
No changes at Riverview or Sunset Drive
1900 (2300) -2475- [2825] 3175
This alternative impacts the Old Plank Road Trail at the Inez Ct. Access Road.
LEGEND
SARGENTO FOODS
RIVERVIEW ROAD
SUNSET DRI
PIONEER ROAD
COUNTY P
COUNTY C
23
N
0
1/8
1/4
MILES