

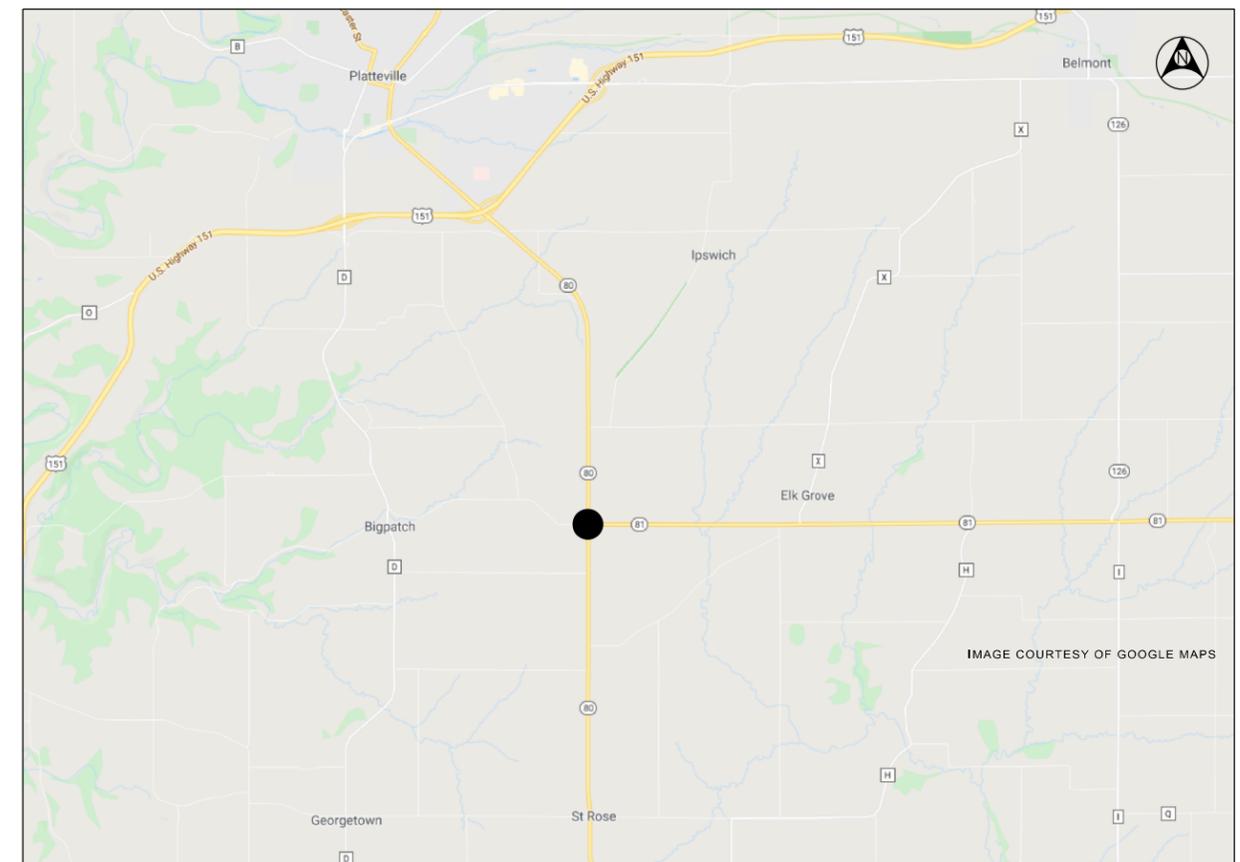
ROUNDAABOUT DOCUMENTATION

WISDOT Project No. 5235-03-00
STH 80/STH 81/Patch Road
Grant County, Wisconsin

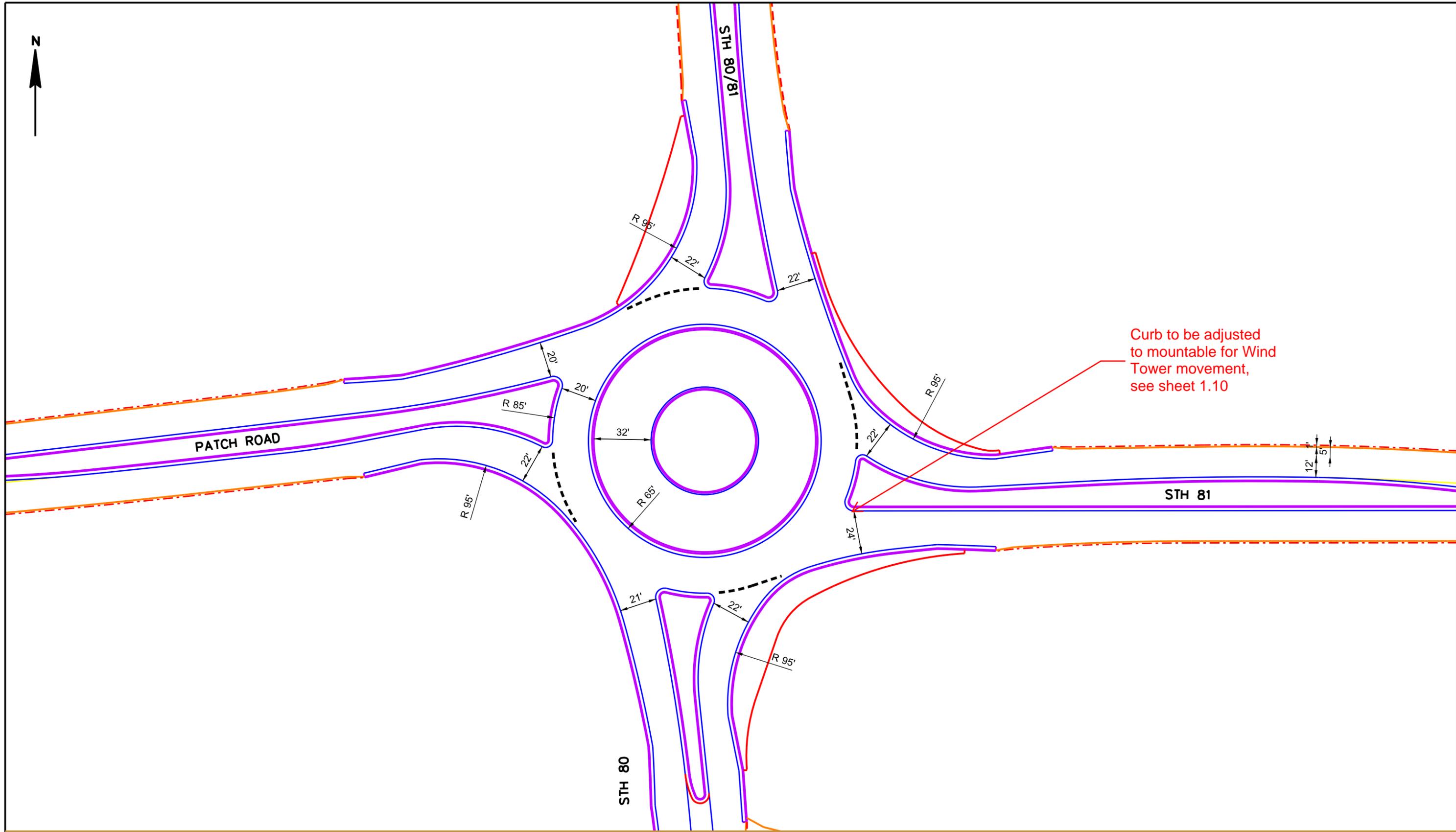
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LOCATION MAP



Curb to be adjusted to mountable for Wind Tower movement, see sheet 1.10



STH 80/STH 81/PATCH ROAD
GRANT COUNTY, WISCONSIN

HORIZONTAL GEOMETRY

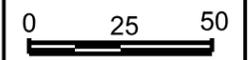
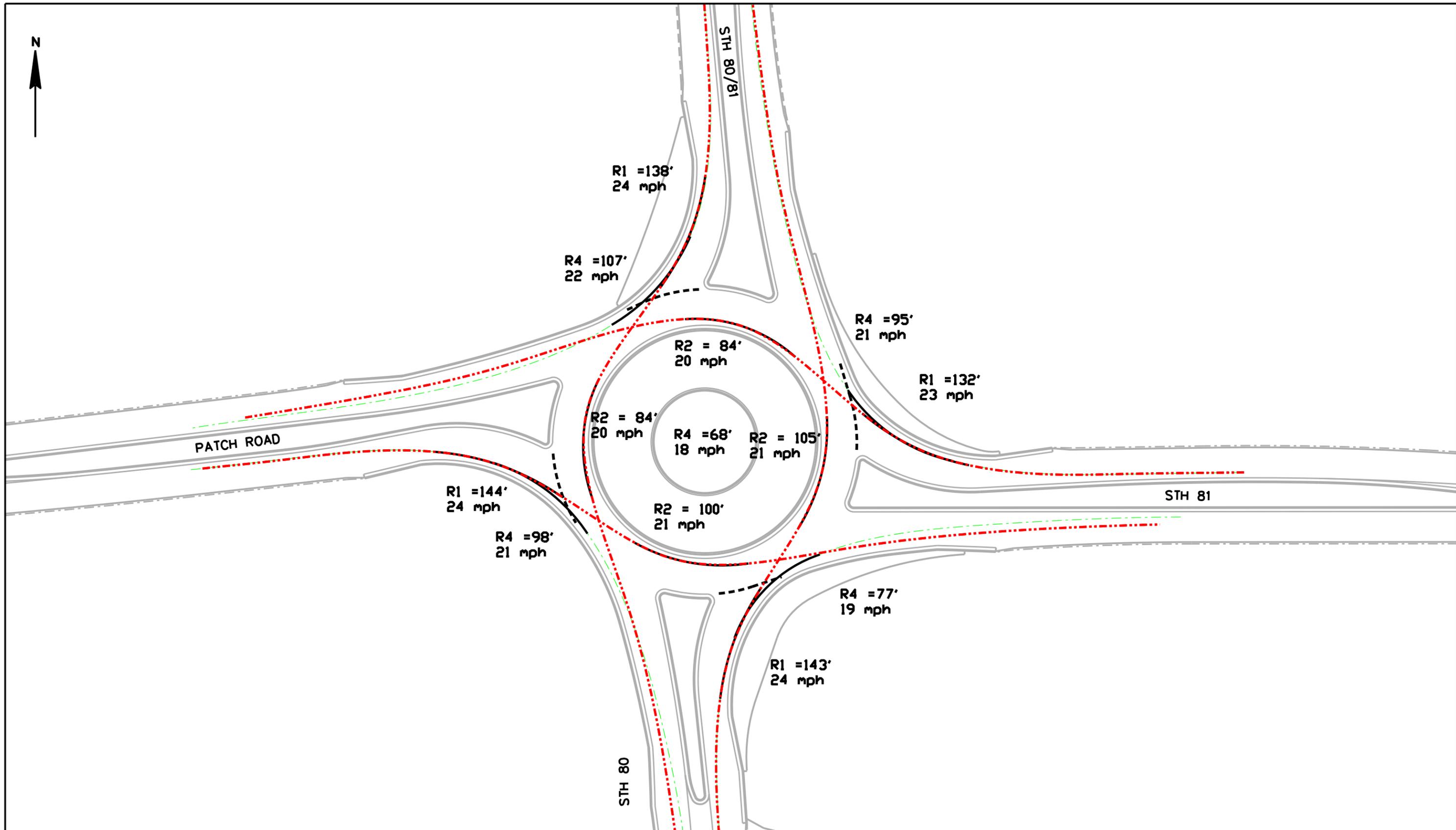
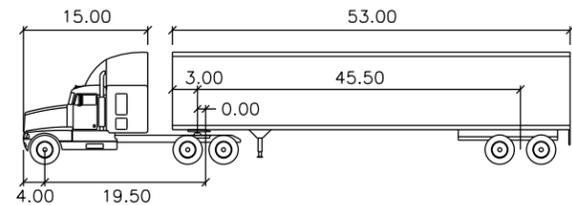


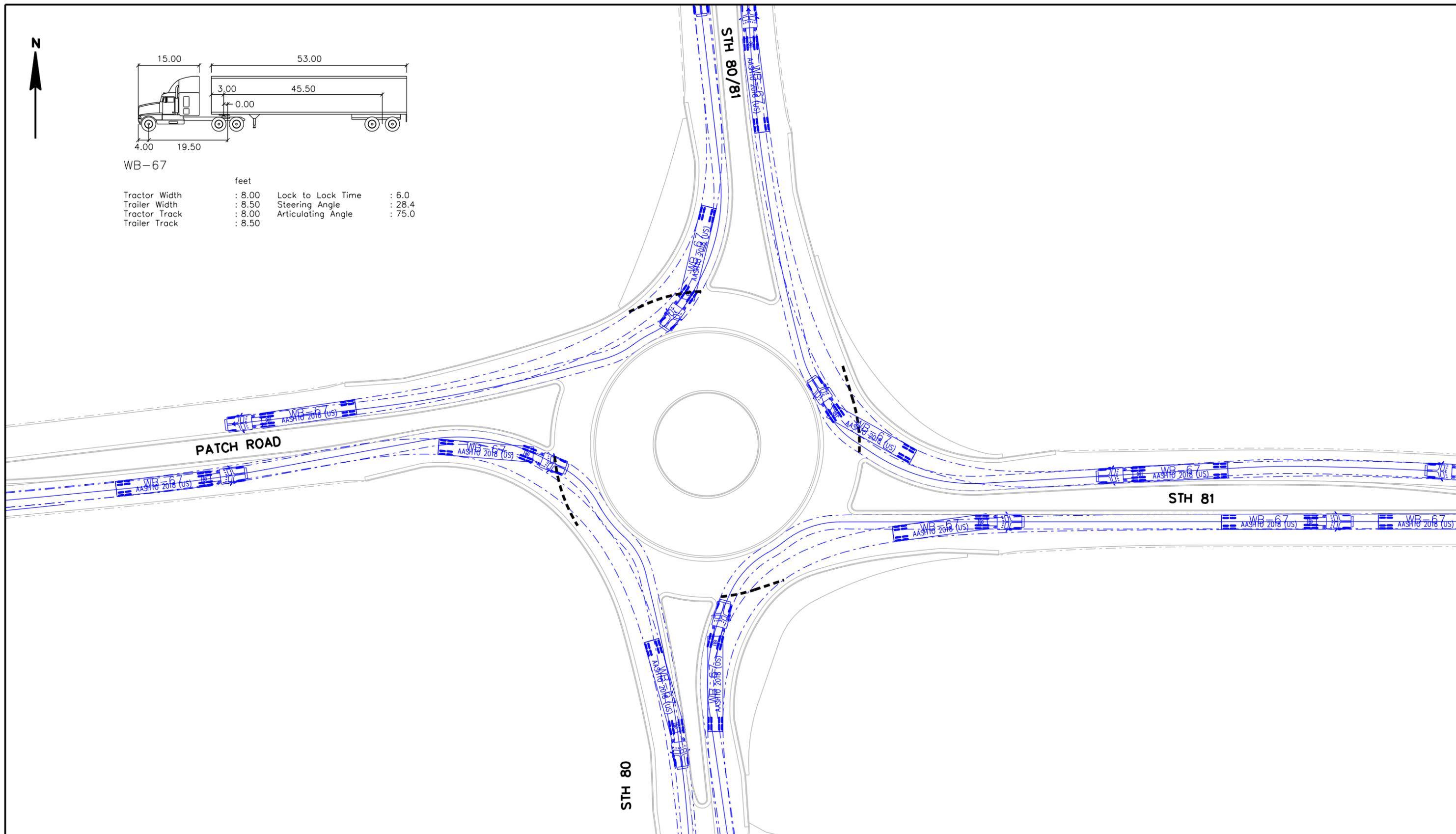
EXHIBIT: 1.1





WB-67

feet			
Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 8.50	Steering Angle	: 28.4
Tractor Track	: 8.00	Articulating Angle	: 75.0
Trailer Track	: 8.50		



STH 80/STH 81/PATCH ROAD
GRANT COUNTY, WISCONSIN

DESIGN VEHICLE
WB-67 RIGHT TURNS

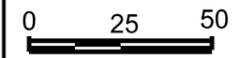
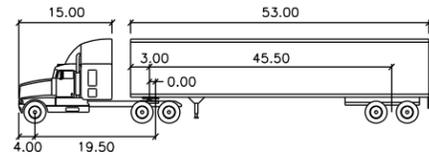
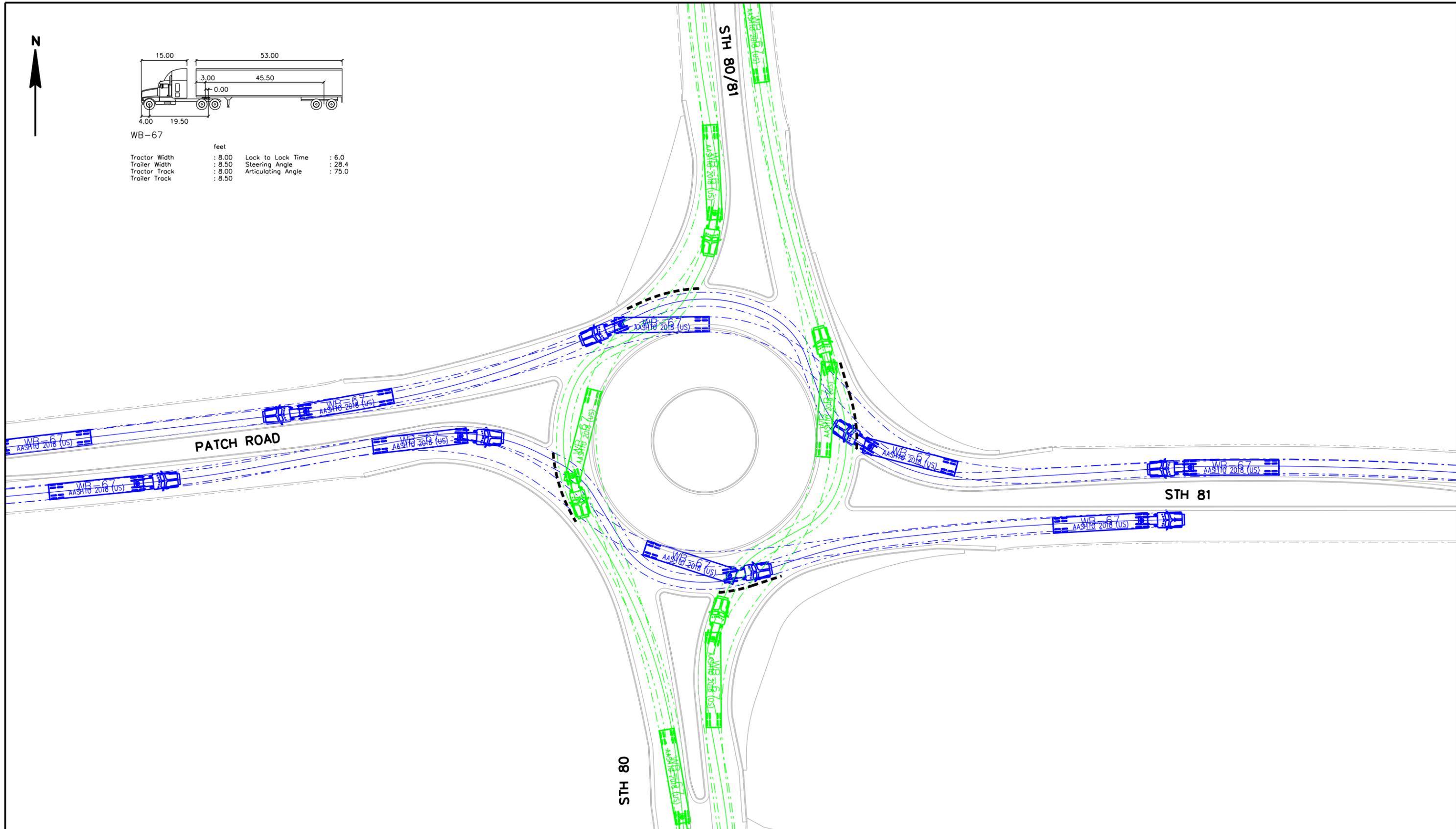


EXHIBIT: 1.3



WB-67

feet			
Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 8.50	Steering Angle	: 28.4
Tractor Track	: 8.00	Articulating Angle	: 75.0
Trailer Track	: 8.50		



STH 80/STH 81/PATCH ROAD
GRANT COUNTY, WISCONSIN

DESIGN VEHICLE
WB-67 THRU MOVEMENTS

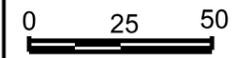
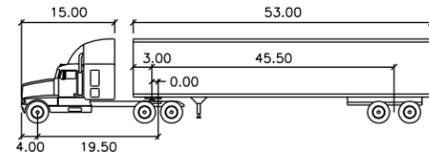
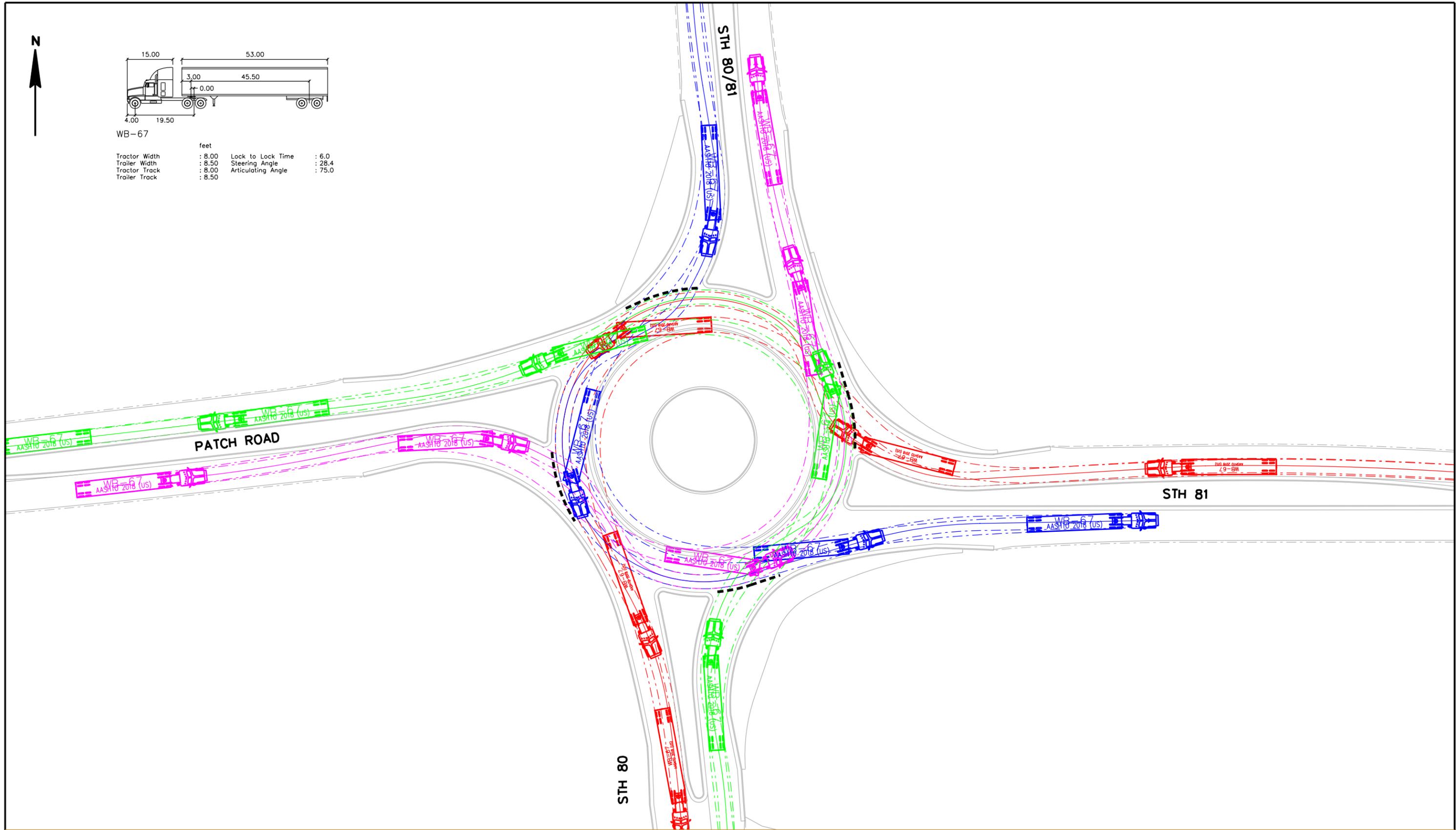


EXHIBIT: 1.4



WB-67

feet			
Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 8.50	Steering Angle	: 28.4
Tractor Track	: 8.00	Articulating Angle	: 75.0
Trailer Track	: 8.50		



STH 80/STH 81/PATCH ROAD
GRANT COUNTY, WISCONSIN

DESIGN VEHICLE
WB-67 LEFT TURNS

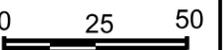
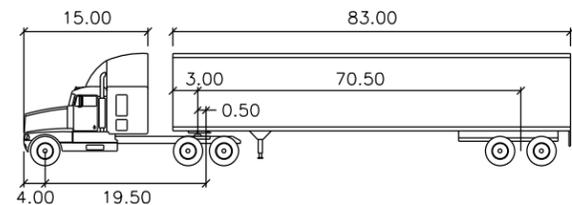


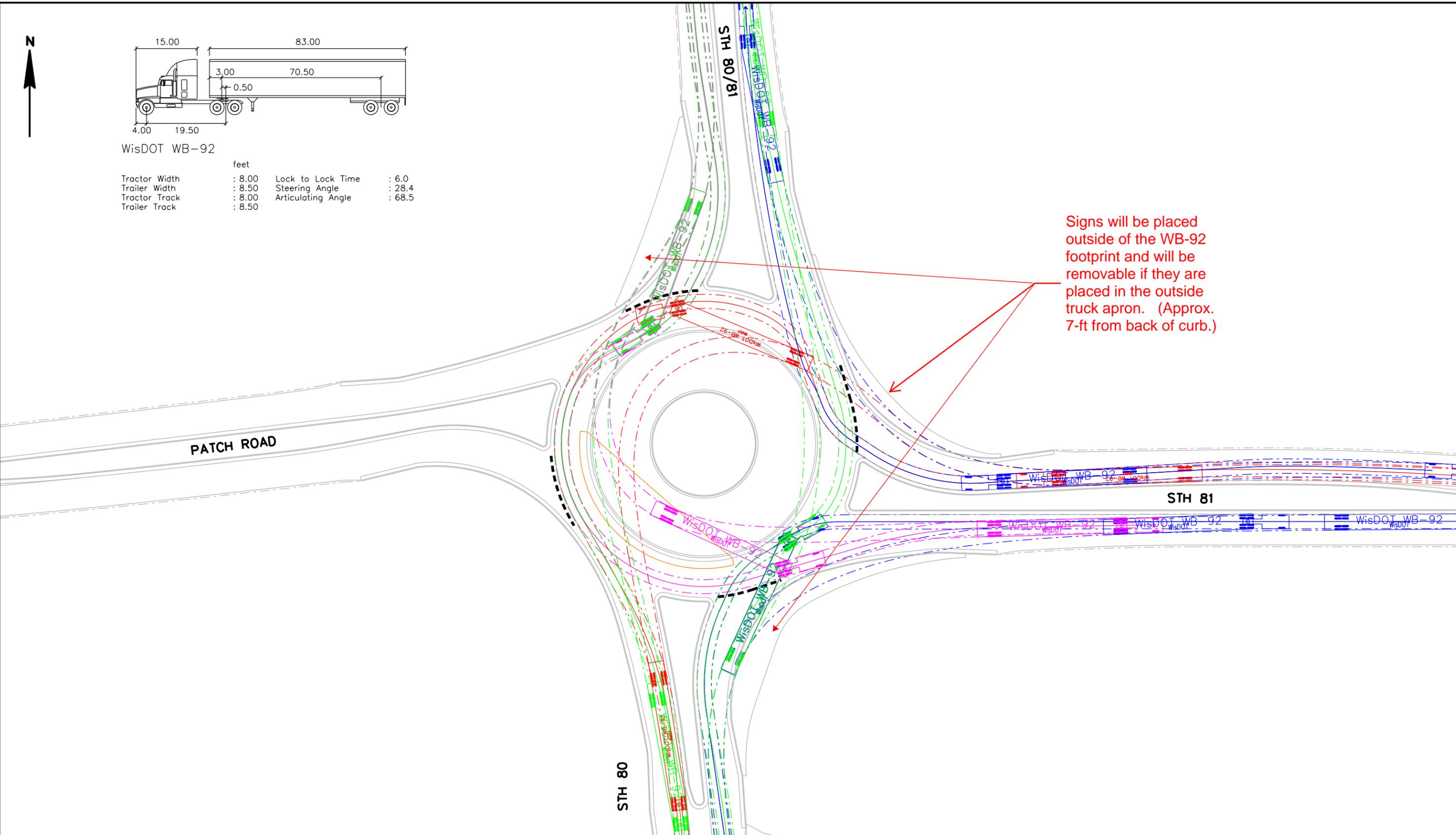
EXHIBIT: 1.5



WisDOT WB-92

feet			
Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 8.50	Steering Angle	: 28.4
Tractor Track	: 8.00	Articulating Angle	: 68.5
Trailer Track	: 8.50		

Signs will be placed outside of the WB-92 footprint and will be removable if they are placed in the outside truck apron. (Approx. 7-ft from back of curb.)



STH 80/STH 81/PATCH ROAD
GRANT COUNTY, WISCONSIN

DESIGN VEHICLE
WB-92

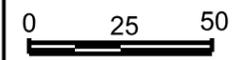
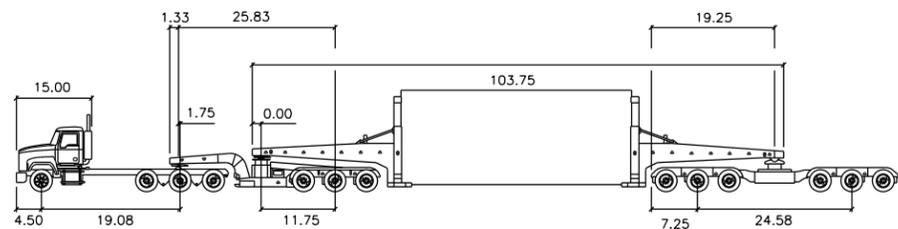
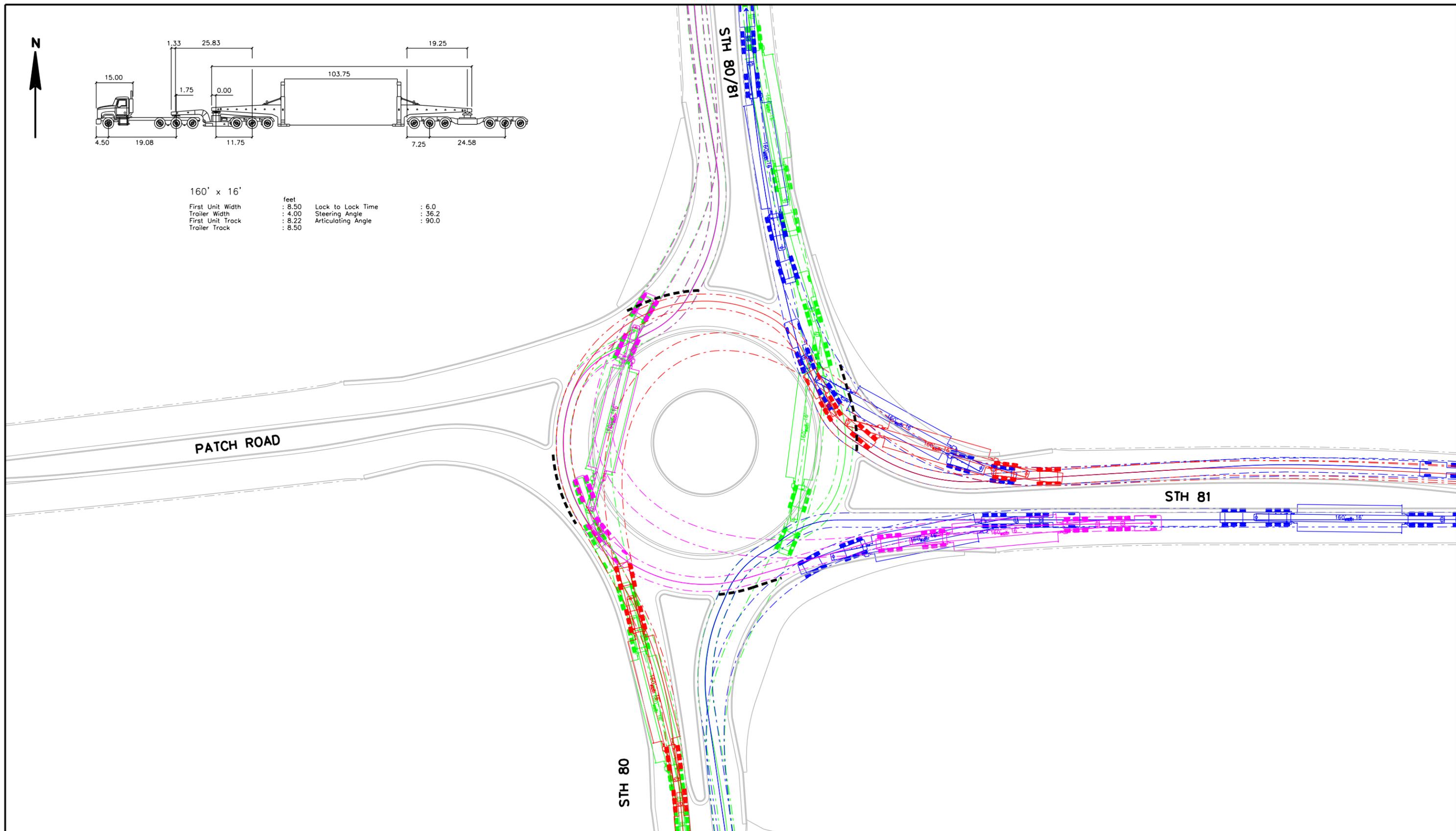


EXHIBIT: 1.6



160' x 16'

First Unit Width	: 8.50	Lock to Lock Time	: 6.0
Trailer Width	: 4.00	Steering Angle	: 36.2
First Unit Track	: 8.22	Articulating Angle	: 90.0
Trailer Track	: 8.50		



STH 80/STH 81/PATCH ROAD
GRANT COUNTY, WISCONSIN

DESIGN VEHICLE
160' long by 16' wide

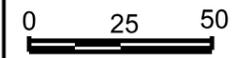
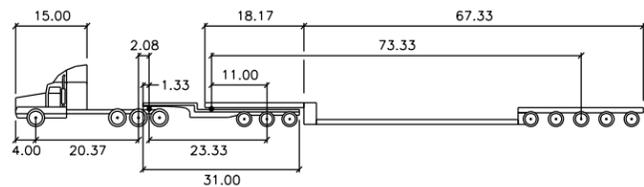
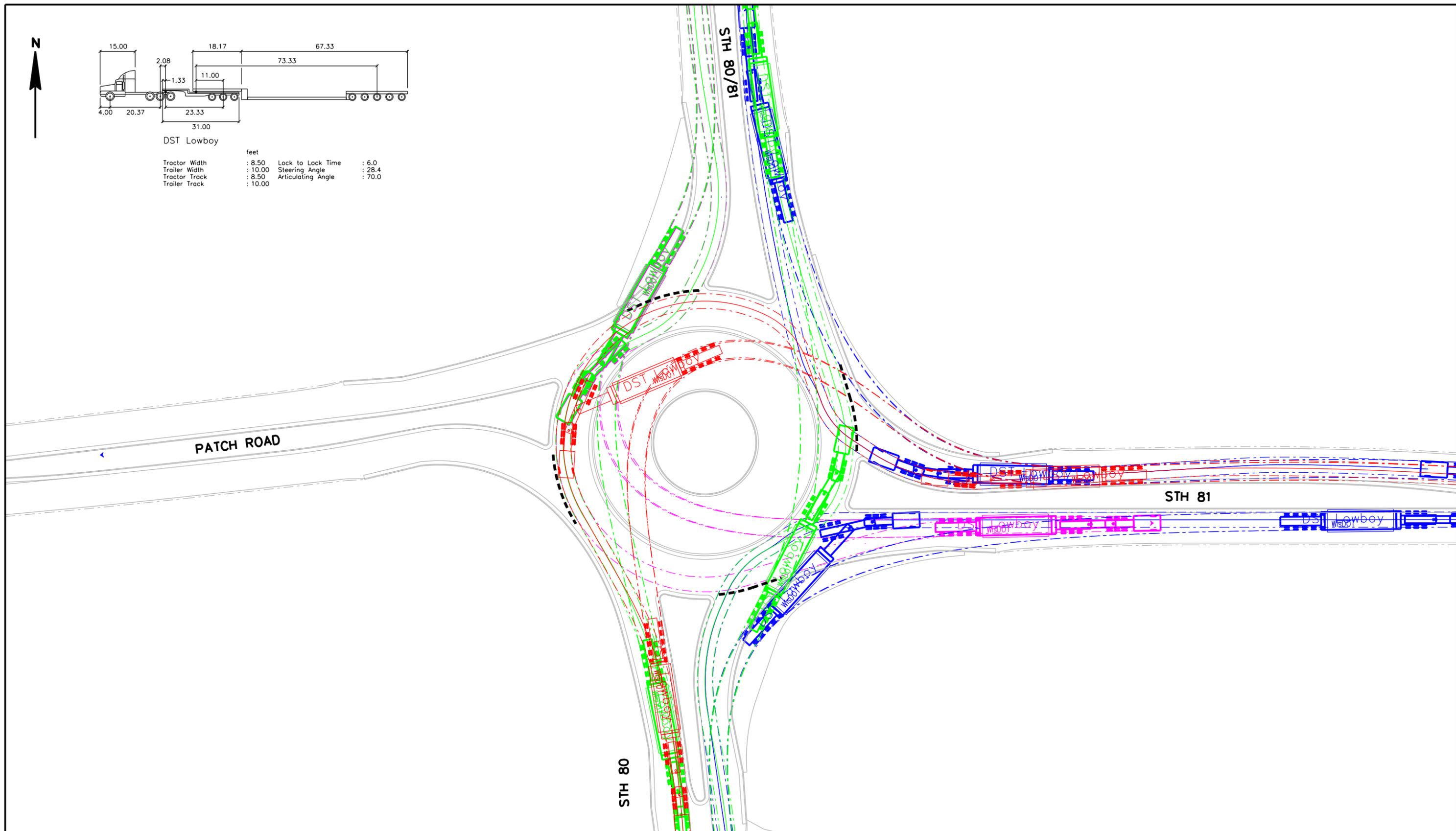


EXHIBIT: 1.7



DST Lowboy

feet			
Tractor Width	: 8.50	Lock to Lock Time	: 6.0
Trailer Width	: 10.00	Steering Angle	: 28.4
Tractor Track	: 8.50	Articulating Angle	: 70.0
Trailer Track	: 10.00		



STH 80/STH 81/PATCH ROAD
GRANT COUNTY, WISCONSIN

DESIGN VEHICLE
DST Lowboy

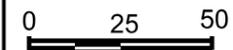
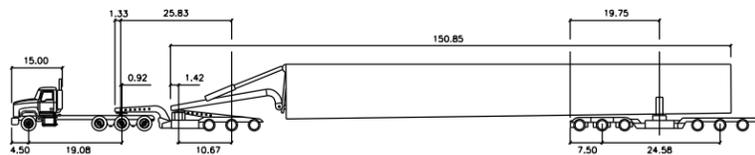
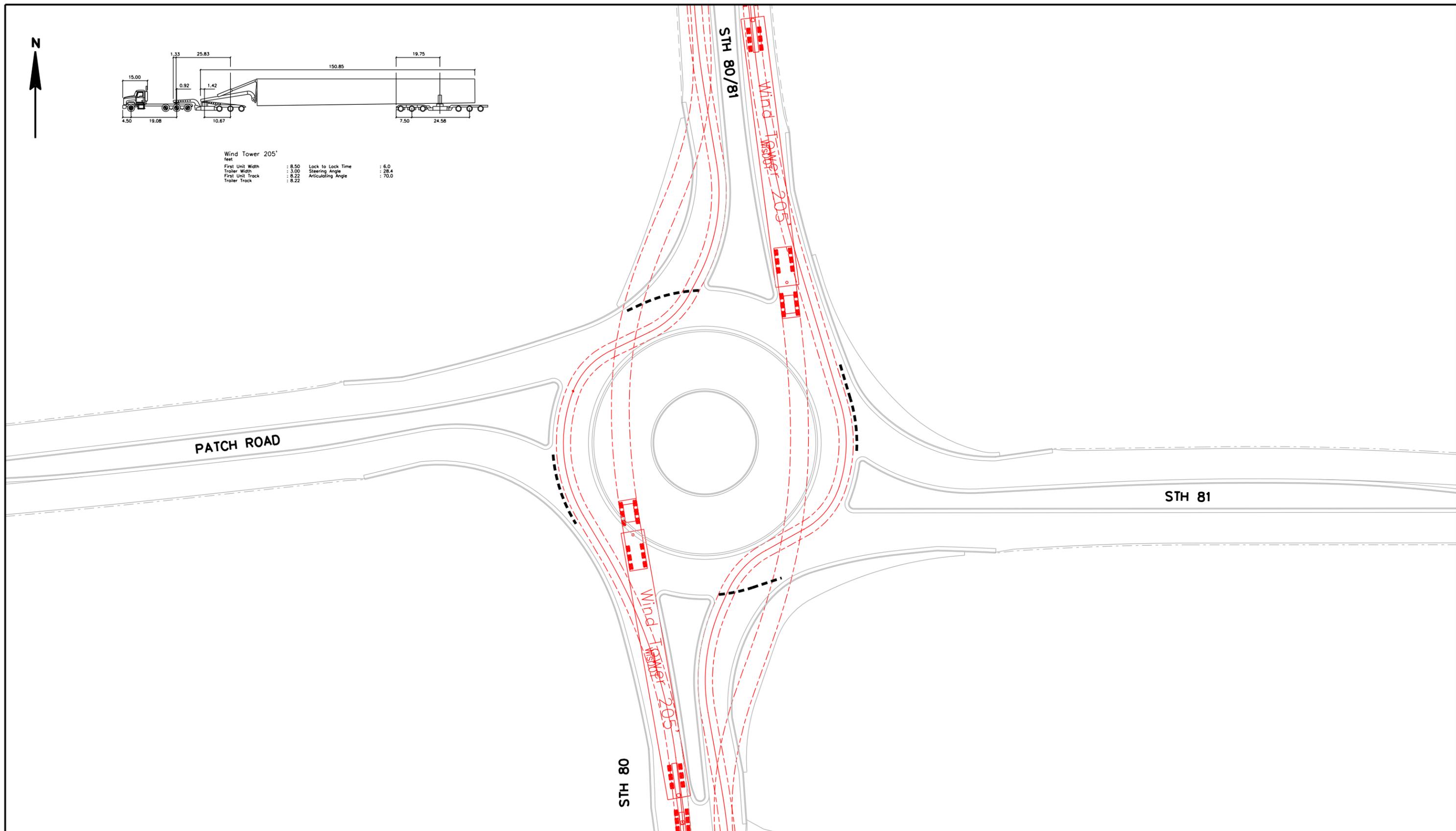


EXHIBIT: 1.8



Wind Tower 205'
feet
First Unit Width : 8.50 Lock to Lock Time : 6.0
Trailer Width : 3.00 Steering Angle : 28.4
First Unit Track : 8.22 Articulating Angle : 70.0
Trailer Track : 8.22

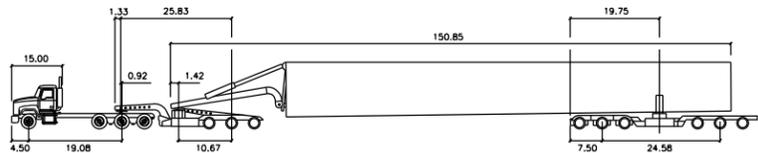


STH 80/STH 81/PATCH ROAD
GRANT COUNTY, WISCONSIN

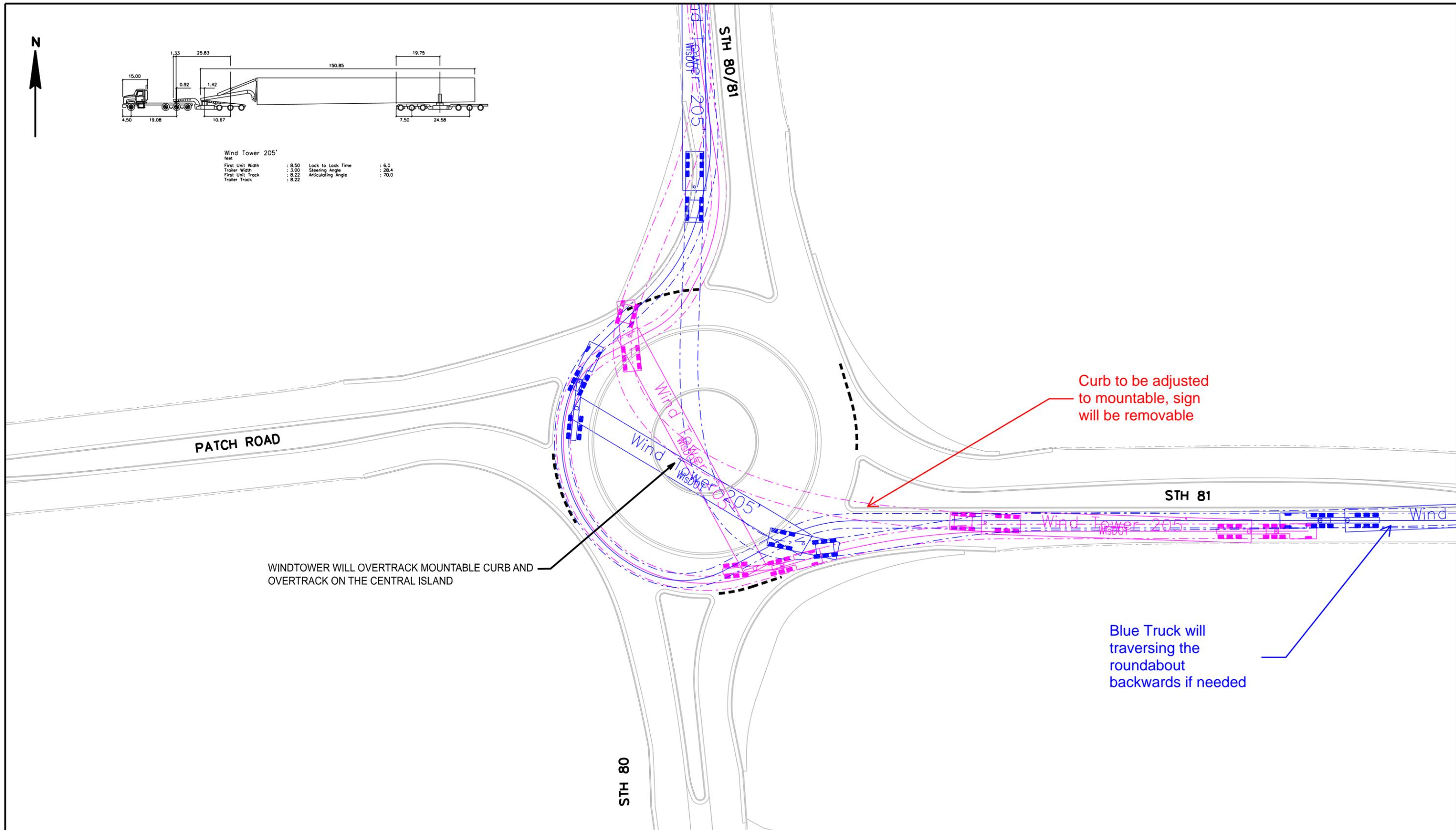
DESIGN VEHICLE
WIND TOWER 205-FT

0 25 50

EXHIBIT: 1.9



Wind Tower 205'
 feet
 First Unit Width : 8.50 Lock to Lock Time : 6.0
 Trailer Width : 3.00 Steering Angle : 28.4
 First Unit Track : 8.22 Articulating Angle : 70.0
 Trailer Track : 8.22



Curb to be adjusted
 to mountable, sign
 will be removable

WINDTOWER WILL OVERTRACK MOUNTABLE CURB AND
 OVERTRACK ON THE CENTRAL ISLAND

Blue Truck will
 traversing the
 roundabout
 backwards if needed



STH 80/STH 81/PATCH ROAD
 GRANT COUNTY, WISCONSIN

**WIND TOWER 205-FT ACCOMMODATIONS
 (MOVEMENTS ARE INFREQUENT BUT MAY HAPPEN)**

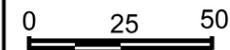


EXHIBIT: 1.10



LEGEND

-  STOPPING SIGHT DISTANCE ENVELOPE
DRIVER'S EYE = 3.5' AND OBJECT HEIGHT = 2.0'
-  DESIRABLE INTERSECTION SIGHT DISTANCE ENVELOPE
DRIVER'S EYE = 3.5' AND OBJECT HEIGHT = 3.5'
-  UNRESTRICTED AREA

STH 80/81
POSTED SPEED 55 MPH
DESIGN SPEED 60 MPH

STH 81
POSTED SPEED 55 MPH
DESIGN SPEED 60 MPH

PATCH ROAD
POSTED SPEED 55 MPH
DESIGN SPEED 60 MPH

EXISTING R.O.W.

STH 80
POSTED SPEED 55 MPH
DESIGN SPEED 60 MPH

NOTES:
INTERSECTION SIGHT DISTANCE ENVELOPES ARE BASED ON DRIVER'S EYE
50 FEET BACK FROM THE YIELD LINE WITH A CRITICAL GAP OF 5.0 SECONDS.



STH 80/STH 81/PATCH ROAD
GRANT COUNTY, WISCONSIN

SIGHT DISTANCE



EXHIBIT: 1.11