

# ROUNABOUT DOCUMENTATION

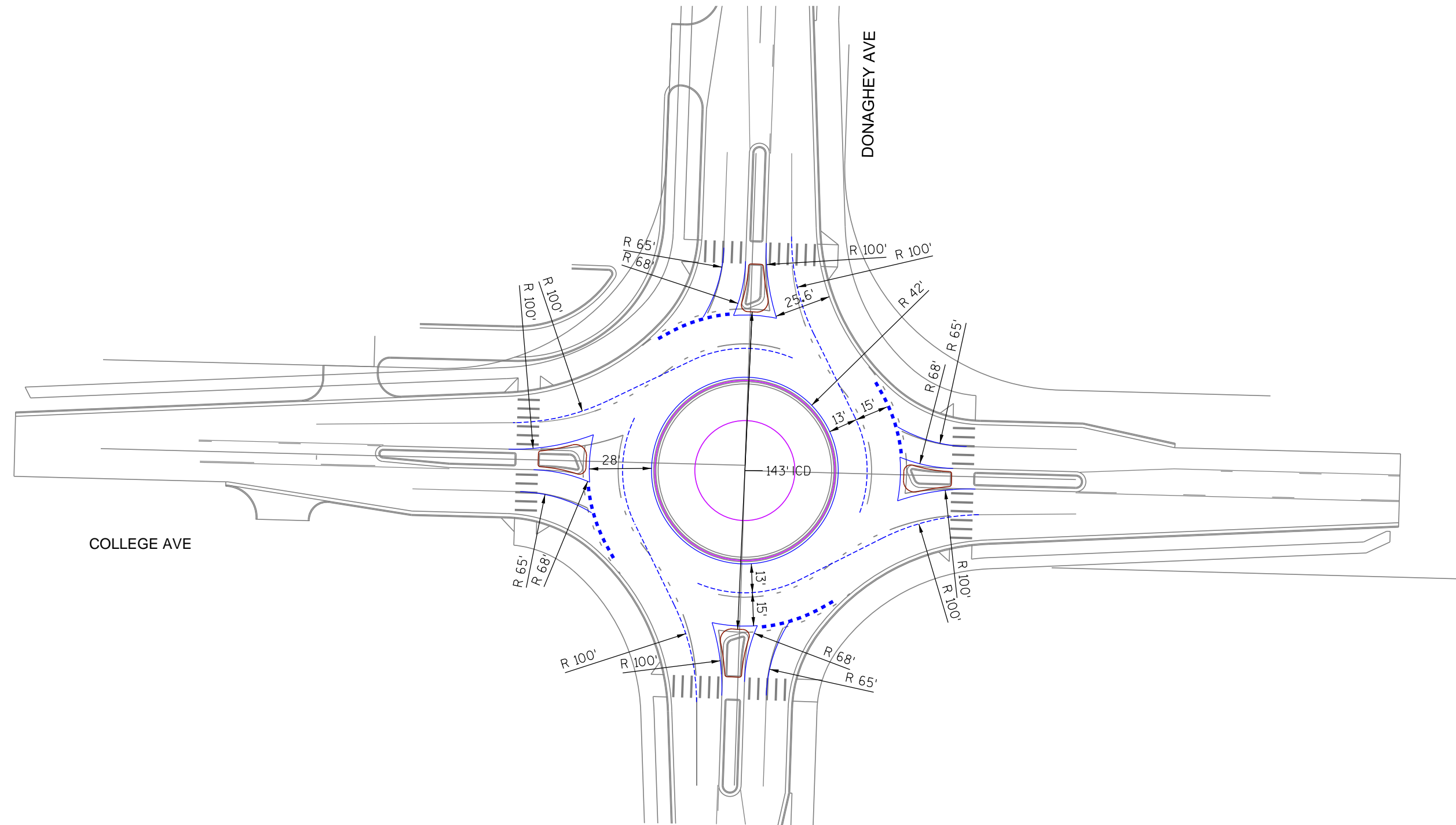
MSA PROJECT NO. 19432000  
 PREPARED FOR: GARVER, CITY OF CONWAY, AR  
 DONAGHEY AVE IMPROVEMENTS  
 CONWAY, ARKANSAS

## SHEET INDEX

SHEET NO.	DESCRIPTION
	COVER SHEET
<u>DONAGHEY AVENUE PROPOSED ROUNDABOUTS</u>	
1	TITLE SHEET
2.1-2.3	HORIZONTAL GEOMETRY
3.1-3.3	ENTRY PATH CURVATURE - FASTEST PATHS
4.1-4.3	DESIGN VEHICLE - WB 62 THRU MOVEMENTS
5.1-5.3	DESIGN VEHICLE - WB 62 LT&RT TURN MOVEMENTS
6.1-6.3	SIGHT DISTANCE ENVELOPES



LOCATION MAP  
 N.T.S.



NOTES:  
 MEASUREMENTS ARE TO THE FACE OF CURB, EDGE OF LANE,  
 OR TO THE CENTER OF PAVEMENT MARKINGS AS SHOWN.

NOTE: SCREENED INFORMATION SHOWN IS BY OTHERS.



DONAGHEY AVE at COLLEGE AVE  
 CONWAY, ARKANSAS

**HORIZONTAL GEOMETRY**

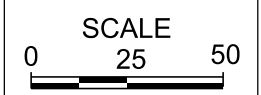
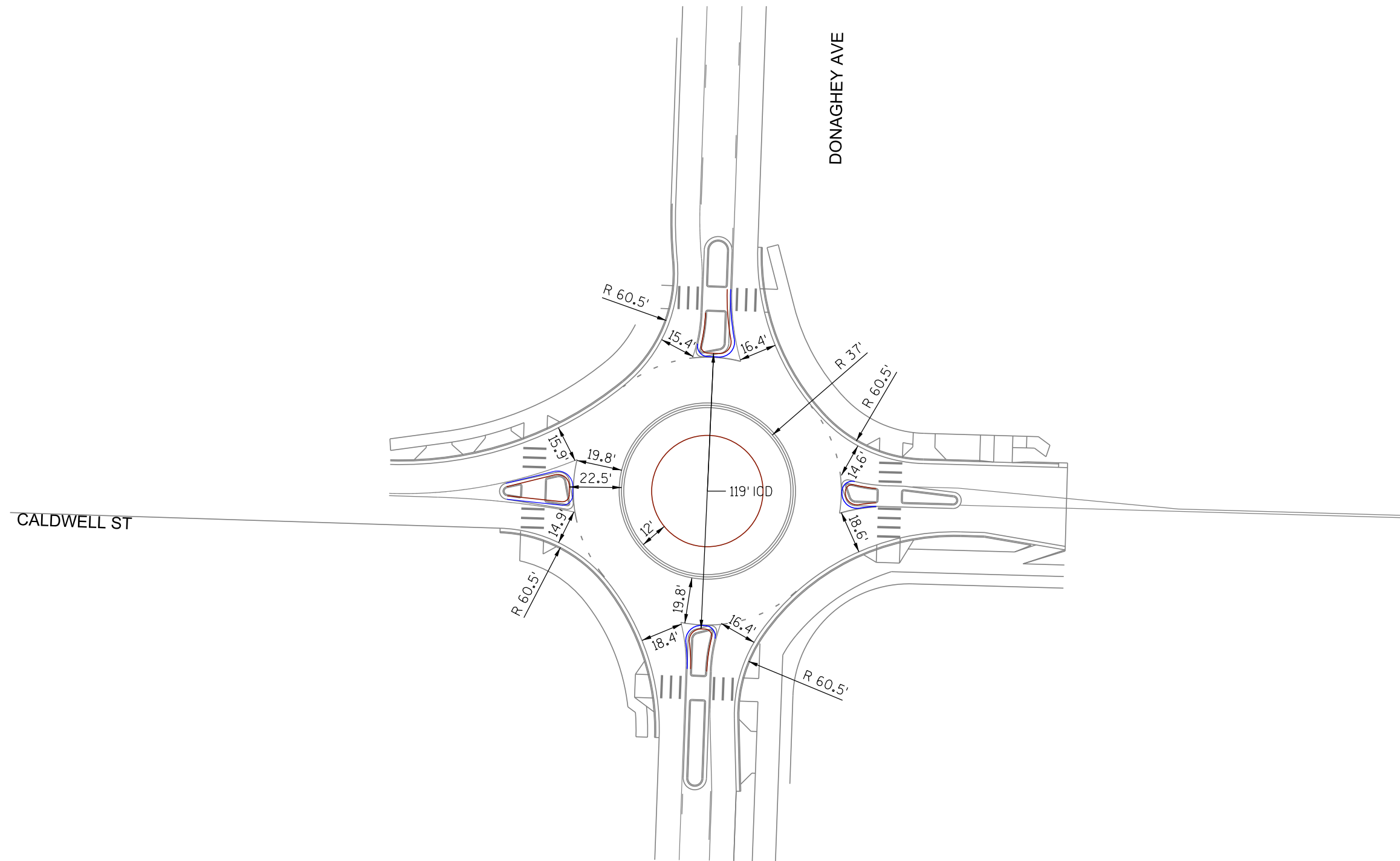


EXHIBIT: 2.1



NOTES:  
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NOTE: SCREENED INFORMATION SHOWN IS BY OTHERS.

DONAGHEY AVE at CALDWELL ST  
 CONWAY, ARKANSAS

**HORIZONTAL GEOMETRY**

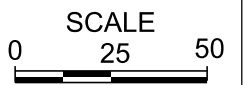
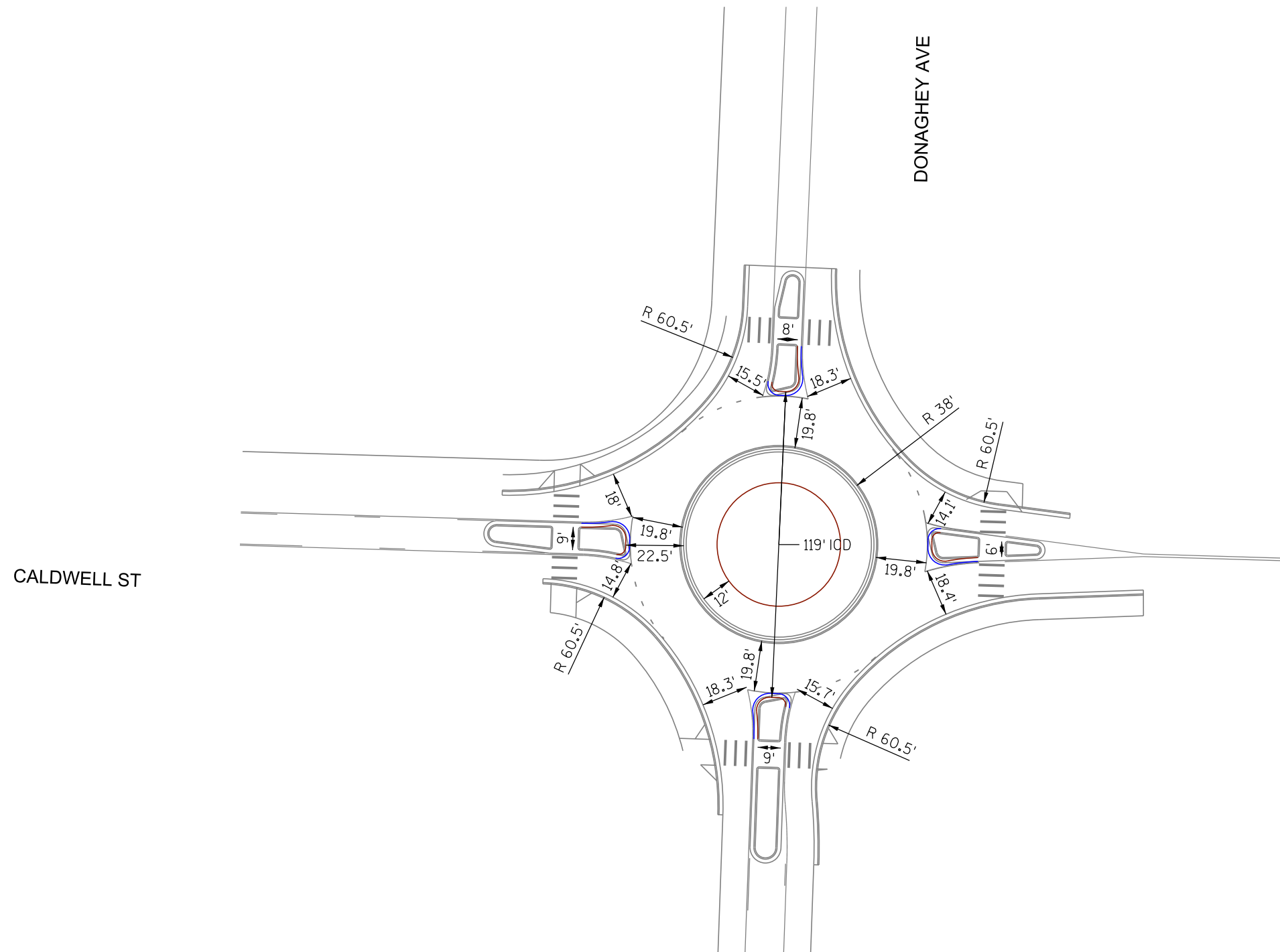


EXHIBIT: 2.2



NOTES:  
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DONAGHEY AVE at CALDWELL ST  
 CONWAY, ARKANSAS

**HORIZONTAL GEOMETRY**

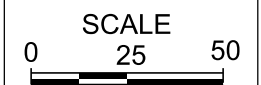
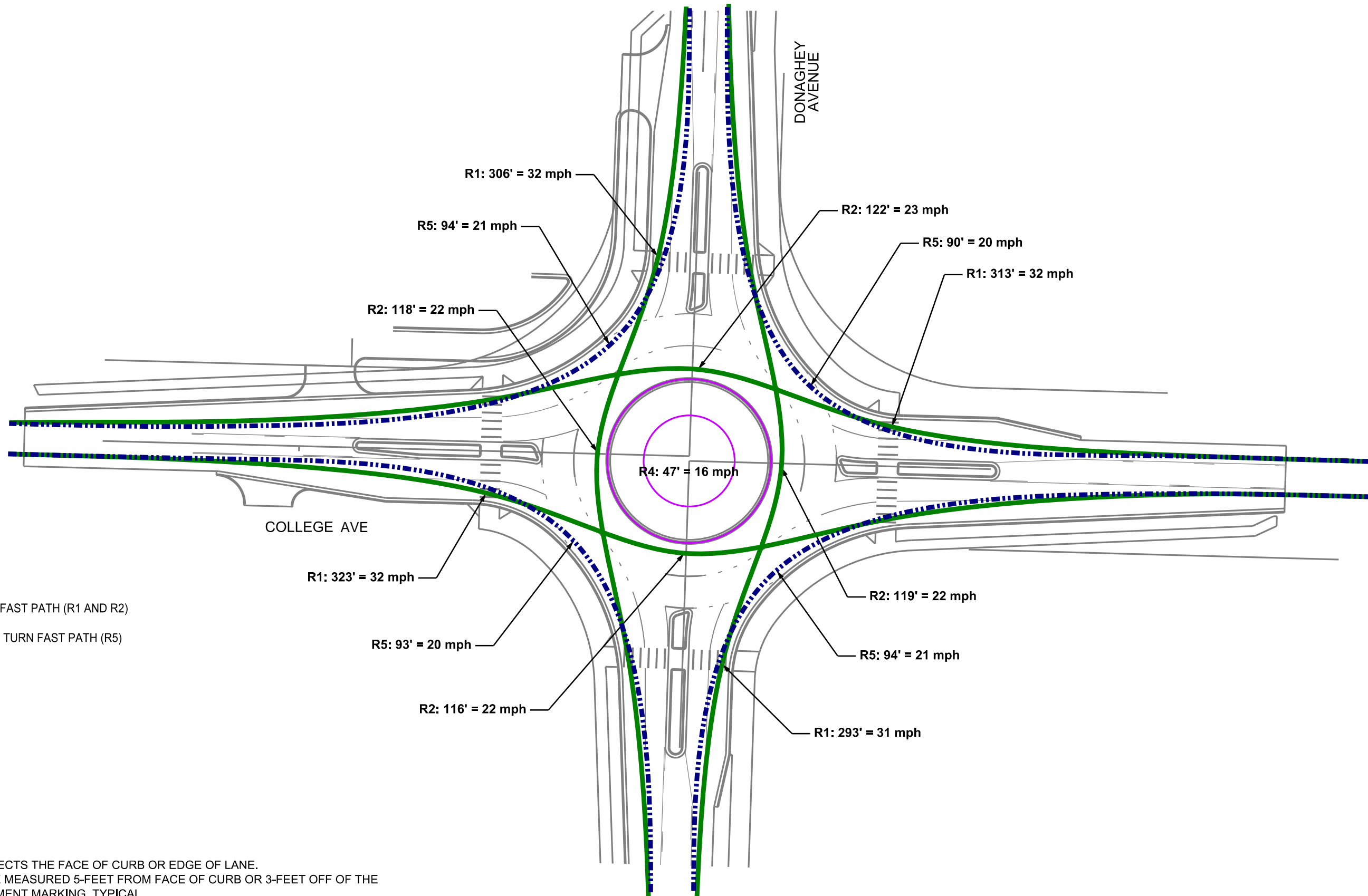


EXHIBIT: 2.2

**MSA** | **Ourston**  
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 5220 Spring Valley Road, Suite 505, Dallas TX 75254  
 TELE: 972-649-0665



**LEGEND**

- THRU FAST PATH (R1 AND R2)
- - - RIGHT TURN FAST PATH (R5)

**NOTES:**

- LINEWORK REFLECTS THE FACE OF CURB OR EDGE OF LANE.
- FAST PATHS ARE MEASURED 5-FEET FROM FACE OF CURB OR 3-FEET OFF OF THE LANE LINE PAVEMENT MARKING, TYPICAL.

NOTE: SCREENED INFORMATION SHOWN IS BY OTHERS.



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DONAGHEY AVE at COLLEGE AVE  
CONWAY, AR

**ENTRY PATH CURVATURE  
FASTEST PATHS**

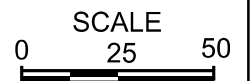
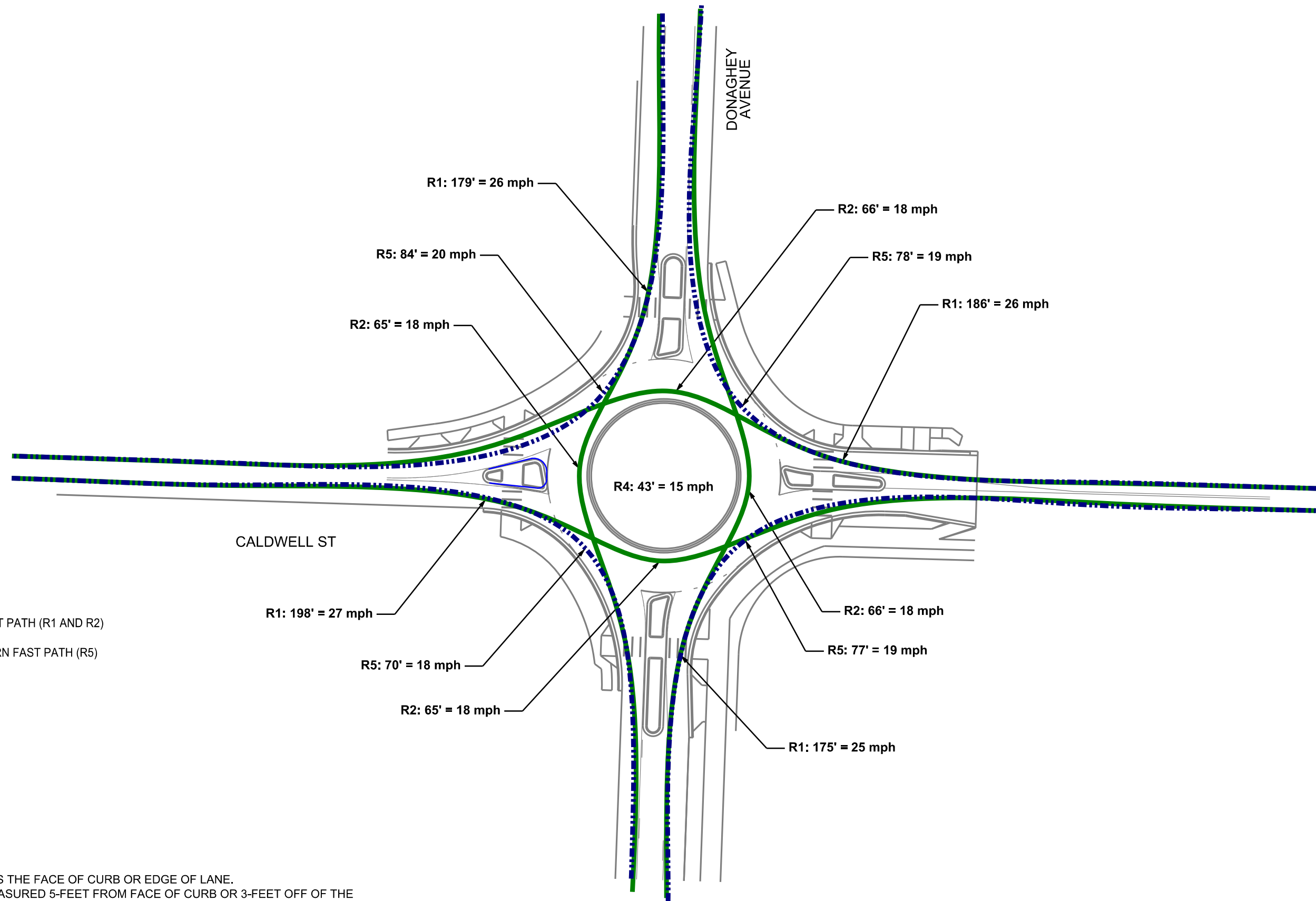


EXHIBIT: 3.1



DONAGHEY AVE at CALDWELL ST  
CONWAY, AR

ENTRY PATH CURVATURE  
FASTEST PATHS

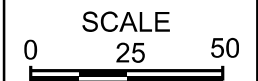
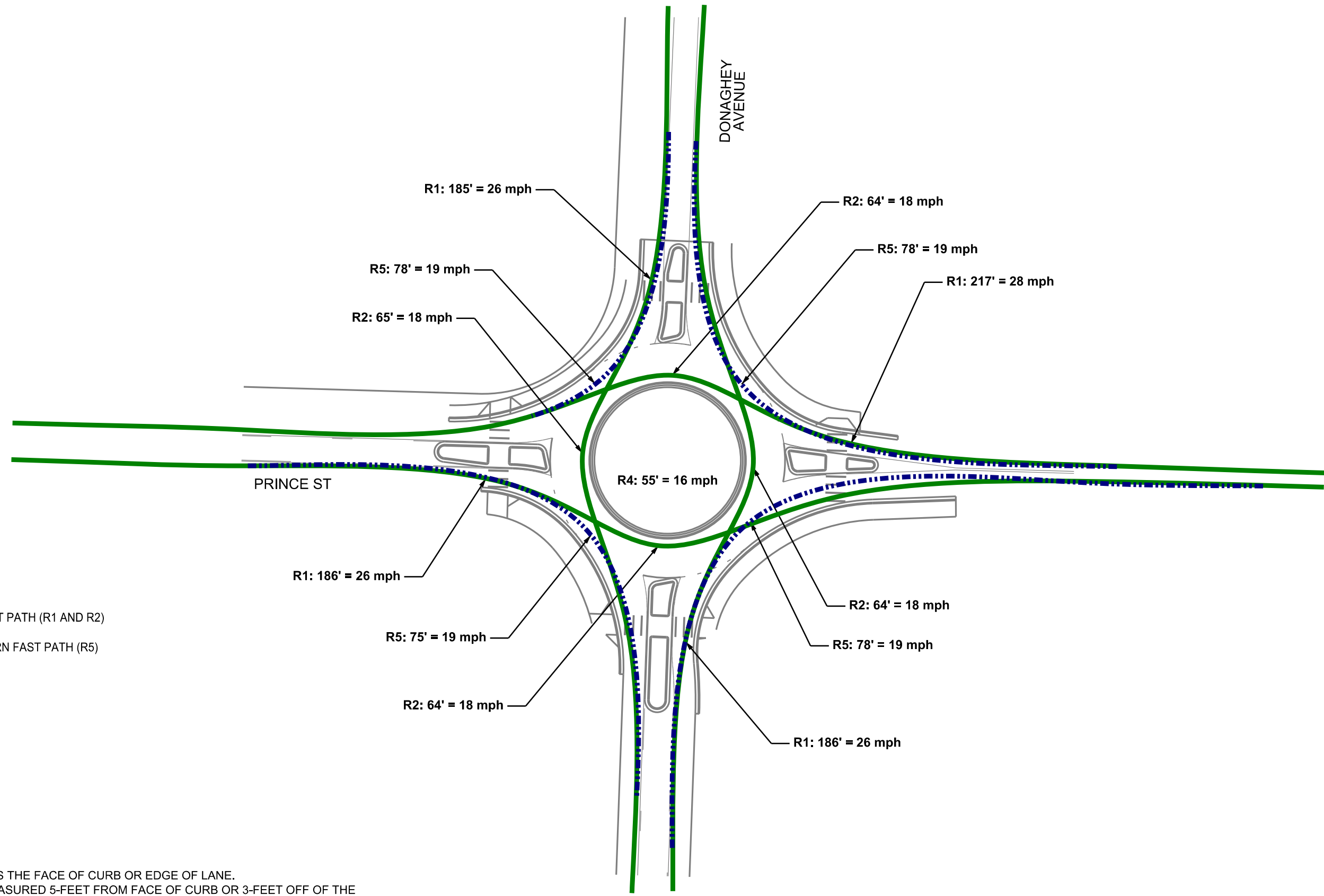


EXHIBIT: 3.2





**LEGEND**

- THRU FAST PATH (R1 AND R2)
- - - RIGHT TURN FAST PATH (R5)

**NOTES:**

- LINEWORK REFLECTS THE FACE OF CURB OR EDGE OF LANE.
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DONAGHEY AVE at PRINCE ST  
CONWAY, AR

**ENTRY PATH CURVATURE  
FASTEST PATHS**

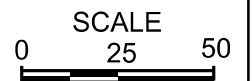
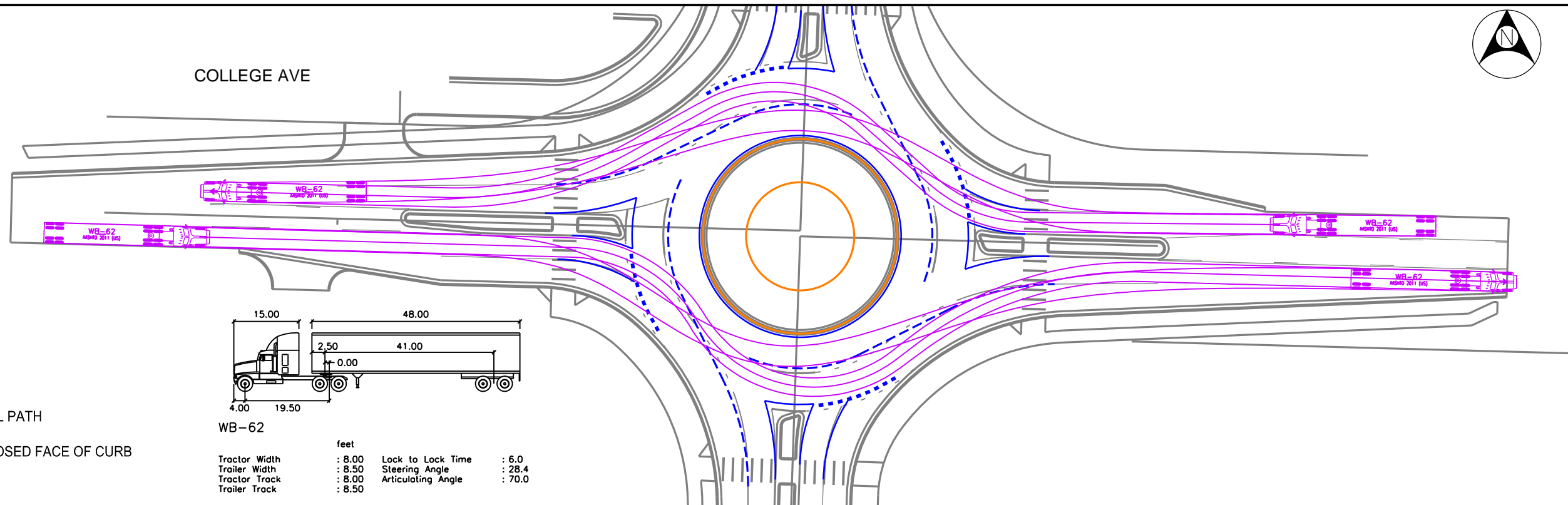


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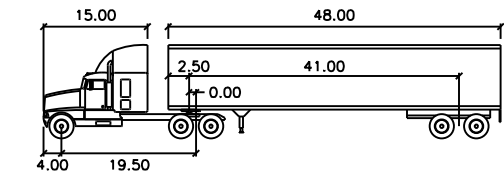
DONAGHEY AVE

COLLEGE AVE



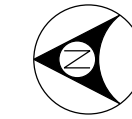
LEGEND

- WHEEL PATH
- PROPOSED FACE OF CURB

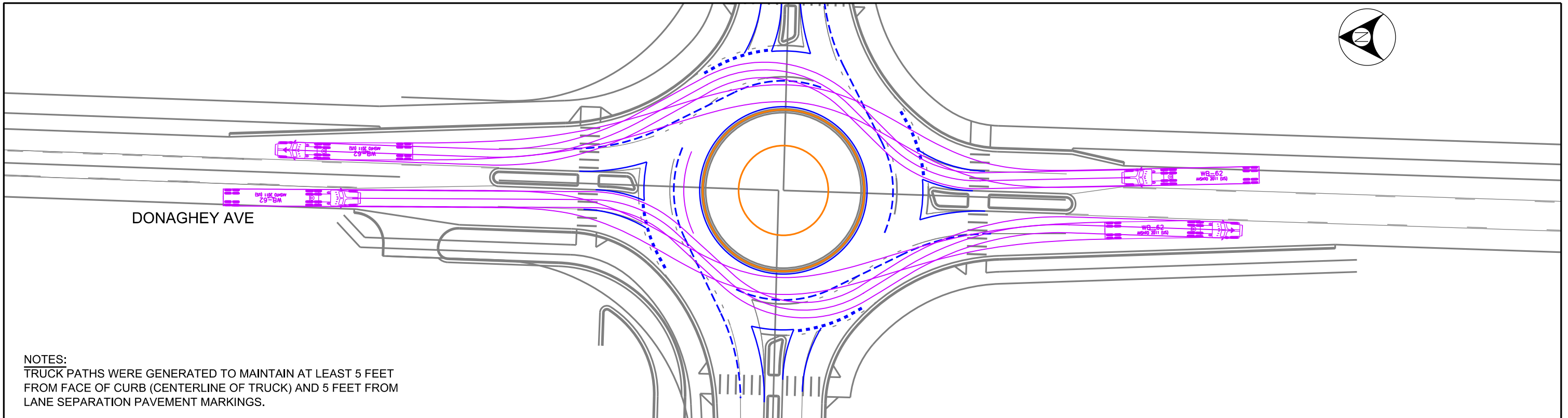


WB-62		feet	
Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 8.50	Steering Angle	: 28.4
Tractor Track	: 8.00	Articulating Angle	: 70.0
Trailer Track	: 8.50		

COLLEGE AVE



DONAGHEY AVE



NOTES:  
 TRUCK PATHS WERE GENERATED TO MAINTAIN AT LEAST 5 FEET FROM FACE OF CURB (CENTERLINE OF TRUCK) AND 5 FEET FROM LANE SEPARATION PAVEMENT MARKINGS.

DONAGHEY AVE at COLLEGE AVE  
 CONWAY, ARKANSAS

DESIGN VEHICLE - WB 62  
 THRU MOVEMENTS

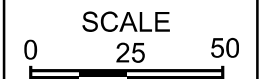
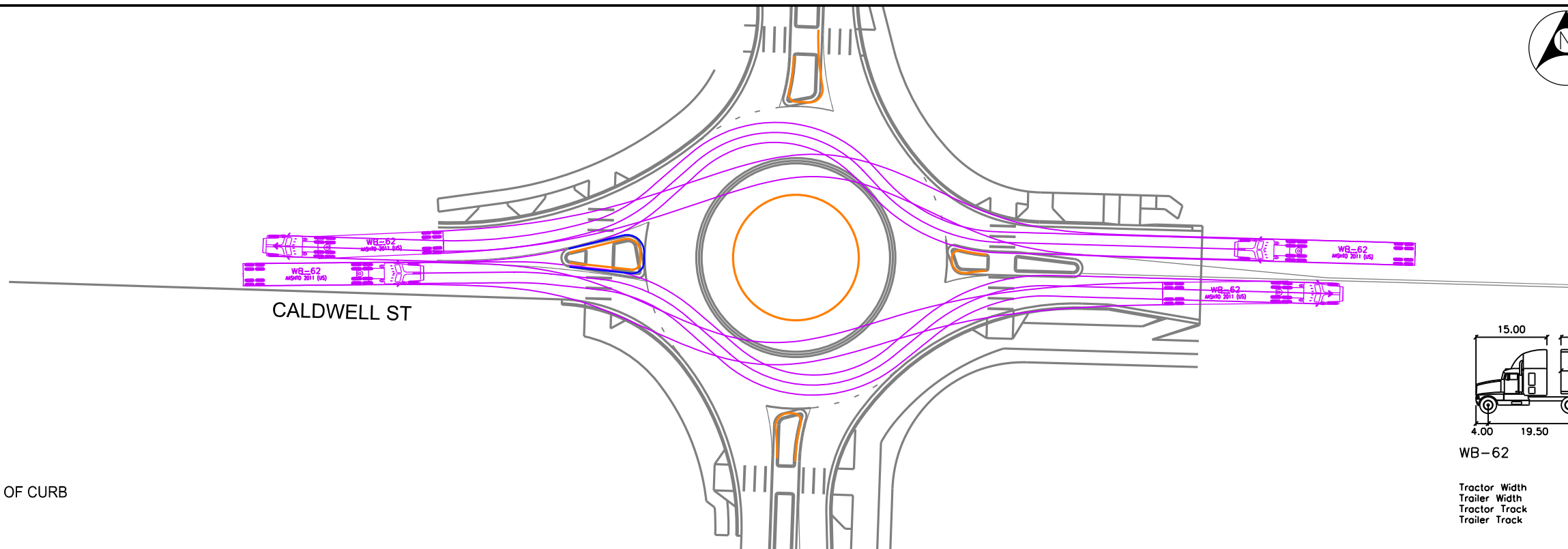


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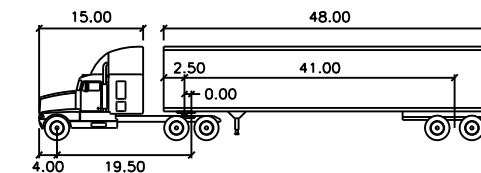


DONAGHEY AVE



LEGEND

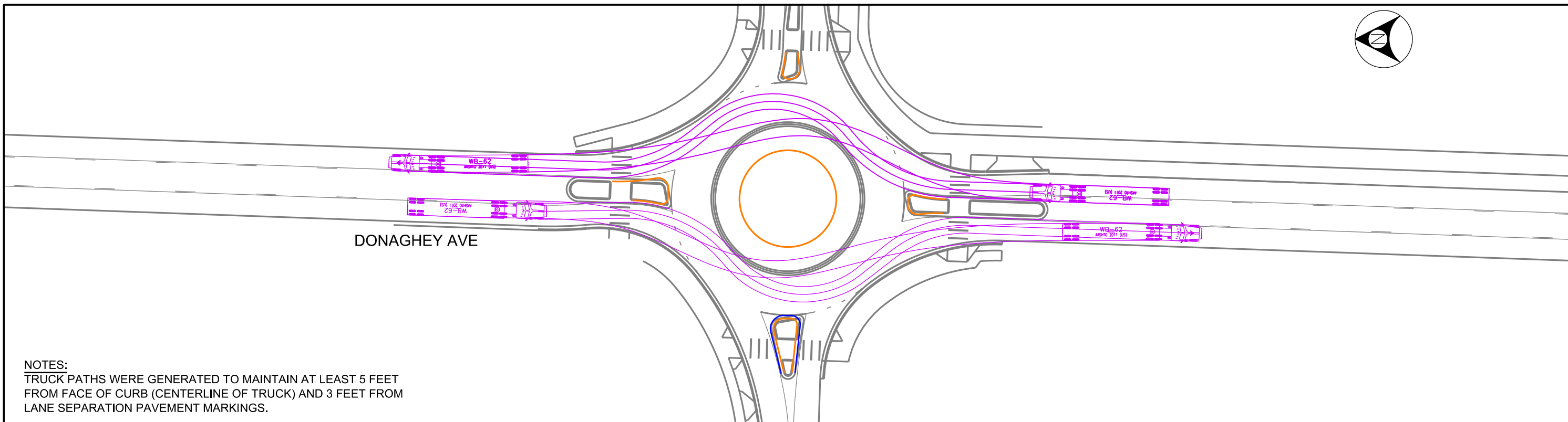
- WHEEL PATH
- PROPOSED FACE OF CURB



WB-62

	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 : 70.0
Trailer Track	: 8.50	

CALDWELL ST



NOTES:  
 TRUCK PATHS WERE GENERATED TO MAINTAIN AT LEAST 5 FEET FROM FACE OF CURB (CENTERLINE OF TRUCK) AND 3 FEET FROM LANE SEPARATION PAVEMENT MARKINGS.

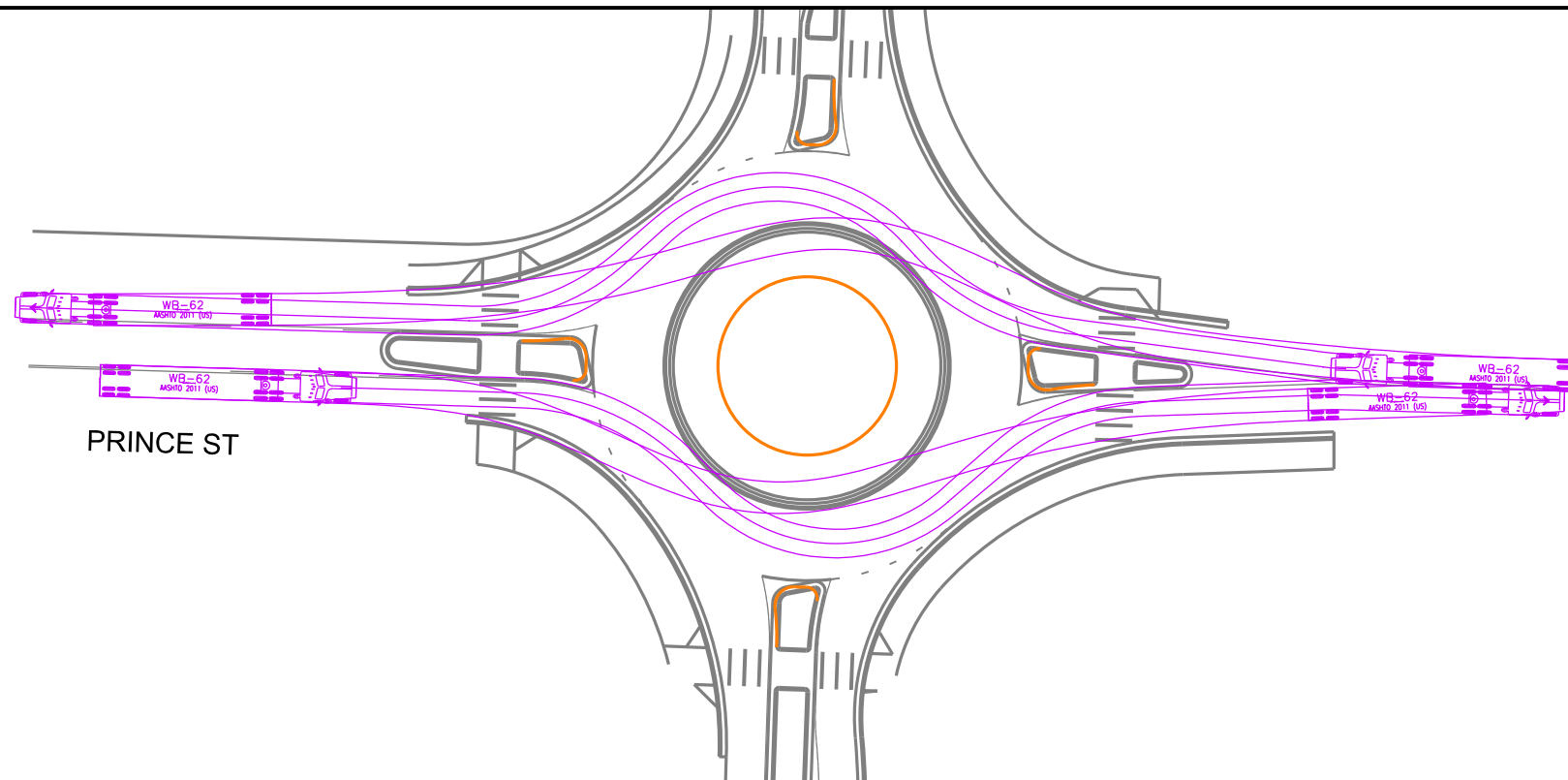
DONAGHEY AVE at CALDWELL ST  
 CONWAY, ARKANSAS

DESIGN VEHICLE - WB 62  
 THRU MOVEMENTS

SCALE  
 0 25 50

EXHIBIT: 4.2

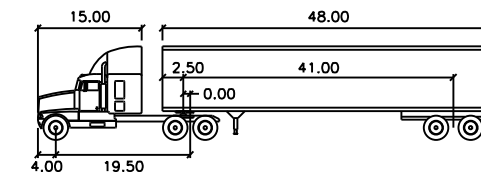
DONAGHEY AVE



PRINCE ST

**LEGEND**

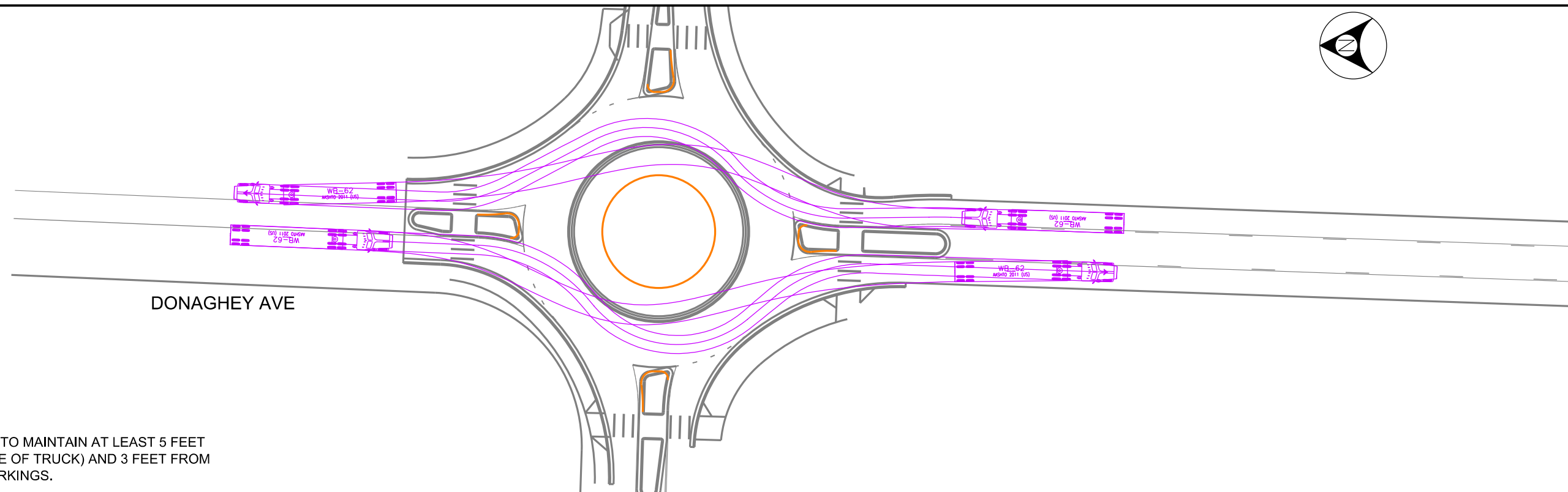
- WHEEL PATH
- PROPOSED FACE OF CURB



WB-62

feet	
Tractor Width	: 8.00
Trailer Width	: 8.50
Tractor Track	: 8.00
Trailer Track	: 8.50
Lock to Lock Time	: 6.0
Steering Angle	: 28.4
Articulating Angle	: 70.0

PRINCE ST



DONAGHEY AVE

**NOTES:**  
 TRUCK PATHS WERE GENERATED TO MAINTAIN AT LEAST 5 FEET FROM FACE OF CURB (CENTERLINE OF TRUCK) AND 3 FEET FROM LANE SEPARATION PAVEMENT MARKINGS.

DONAGHEY AVE at PRINCE ST  
 CONWAY, ARKANSAS

**DESIGN VEHICLE - WB 62  
 THRU MOVEMENTS**

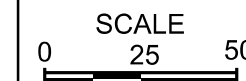
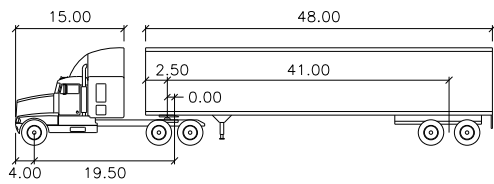


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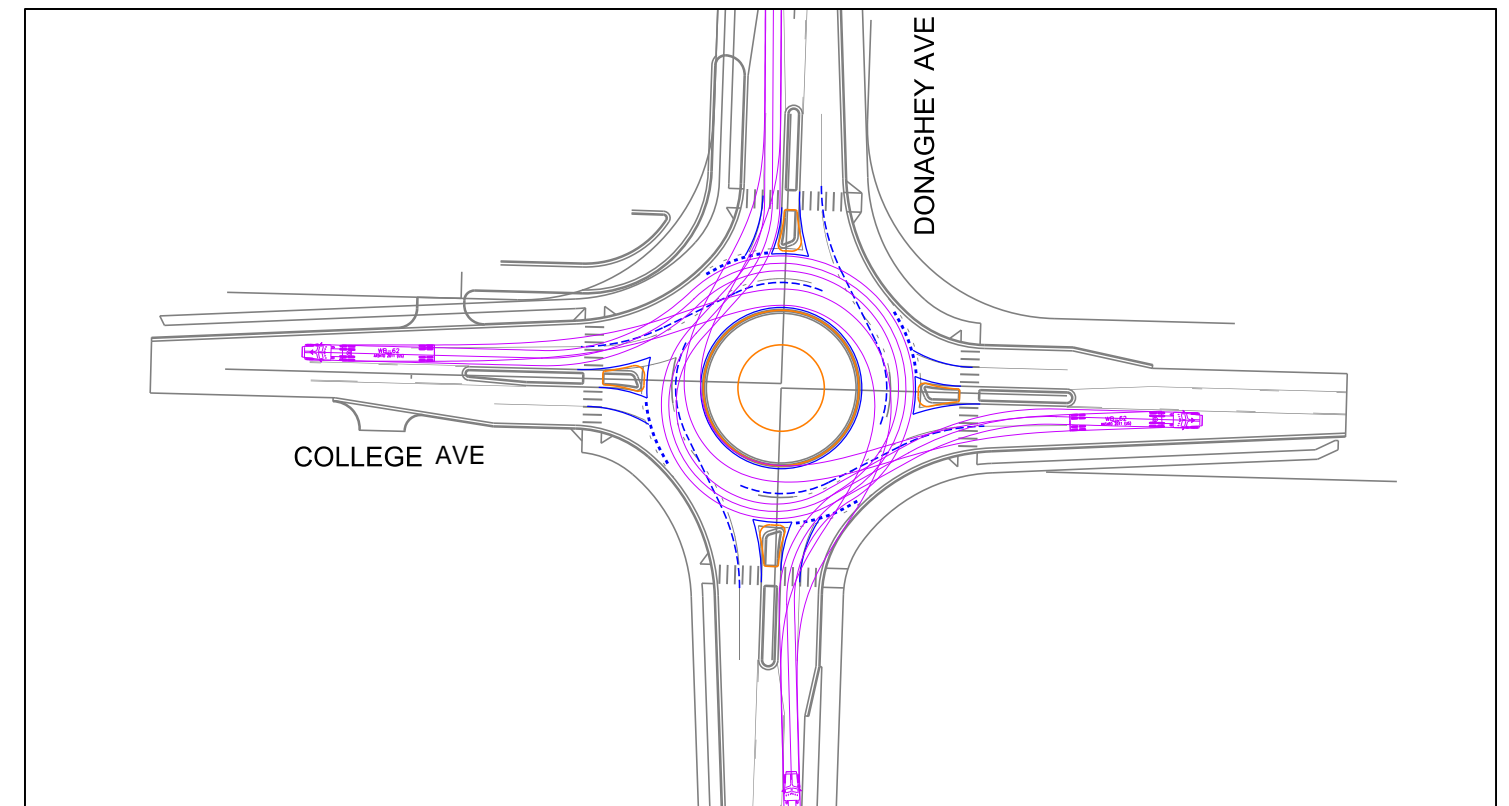
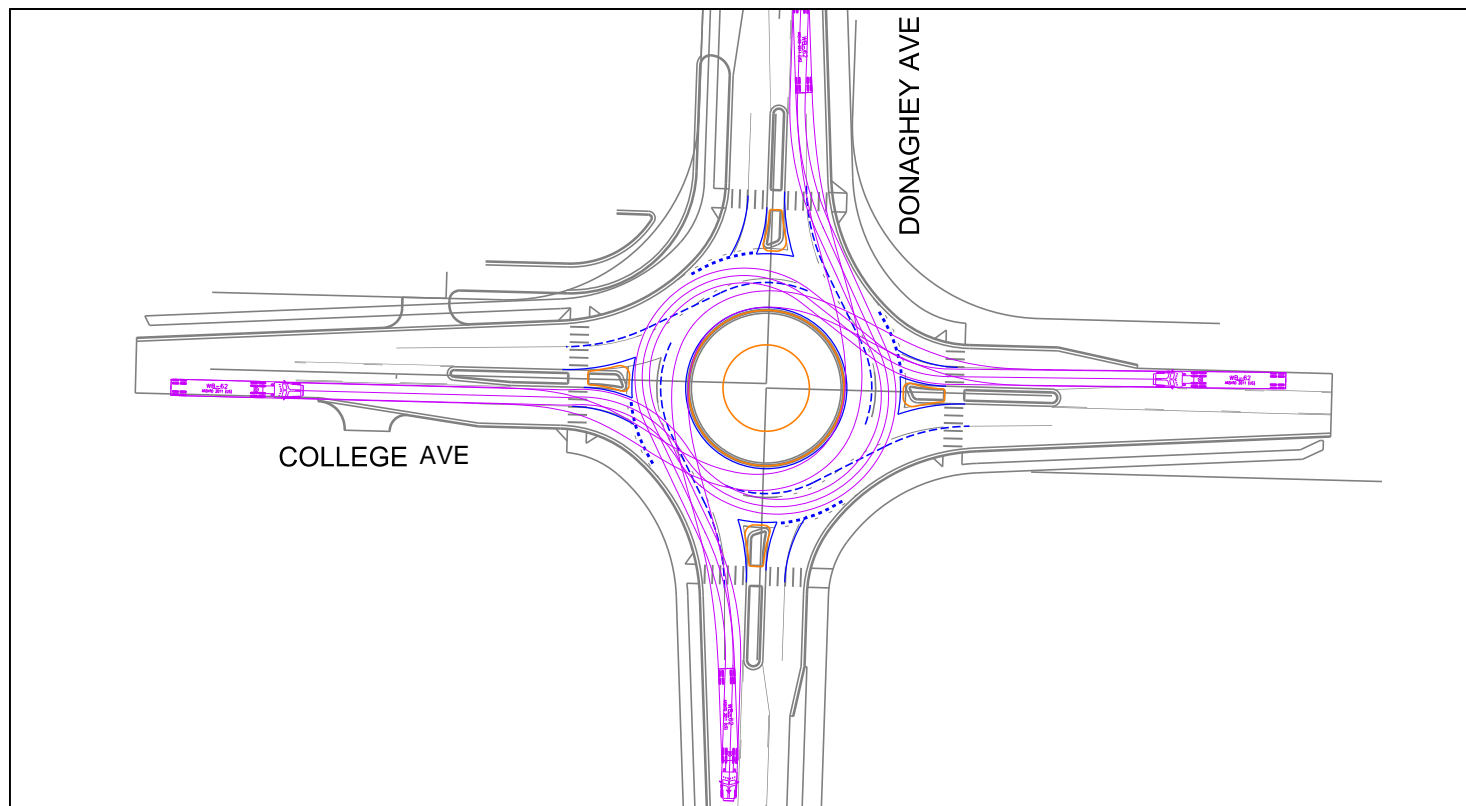
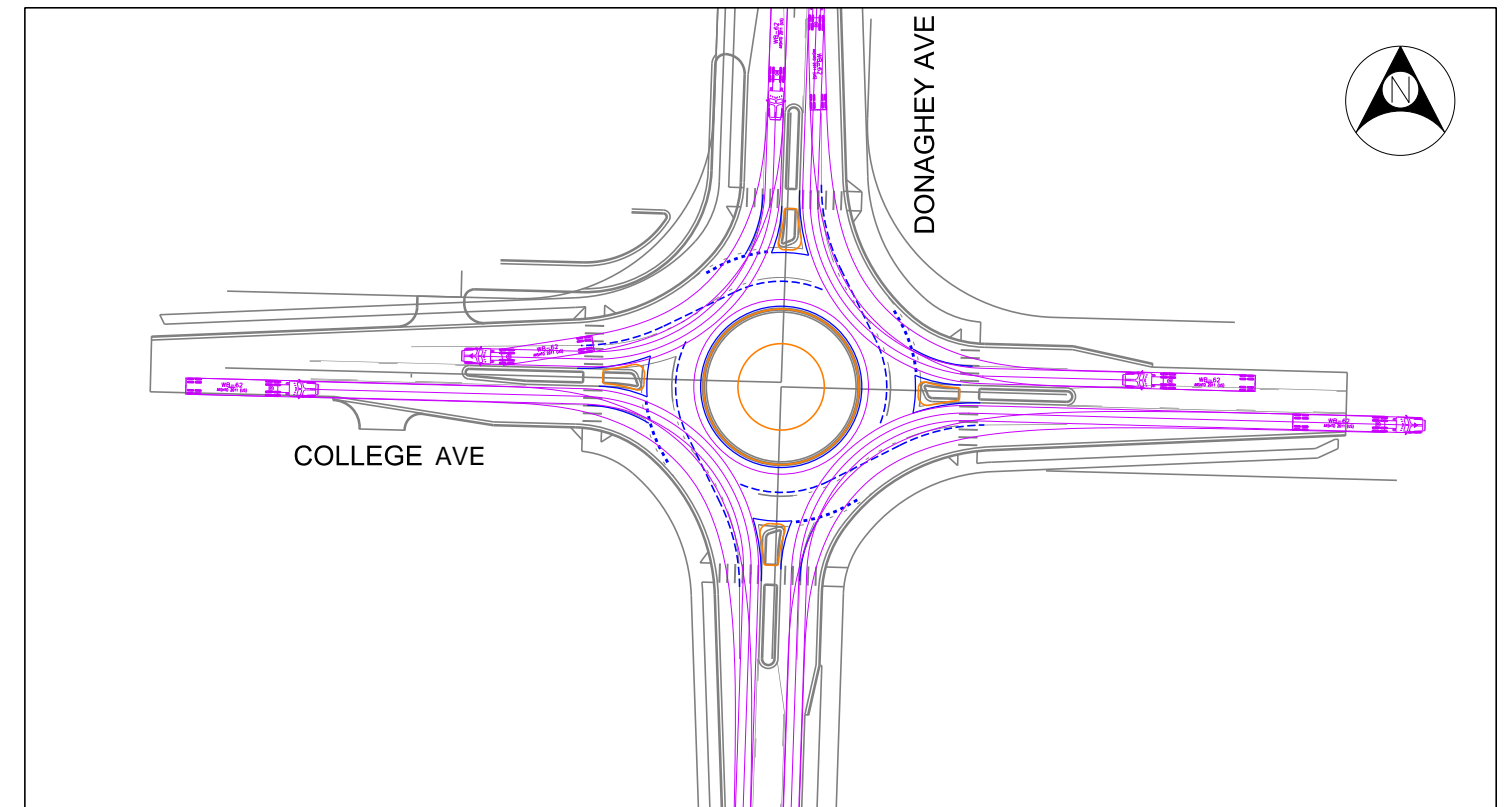


WB-62	feet		
Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 8.50	Steering Angle	: 28.4
Tractor Track	: 8.00	Articulating Angle	: 70.0
Trailer Track	: 8.50		

**LEGEND**

- FRONT AND REAR AXLE WHEEL PATH
- PROPOSED FACE OF CURB

**NOTES:**  
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DONAGHEY AVE at COLLEGE AVE  
 CONWAY, ARKANSAS

**DESIGN VEHICLE - WB 62  
 LT & RT TURN MOVEMENTS**

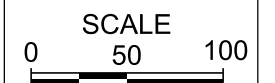
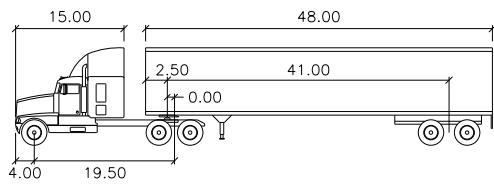


EXHIBIT: 5.1

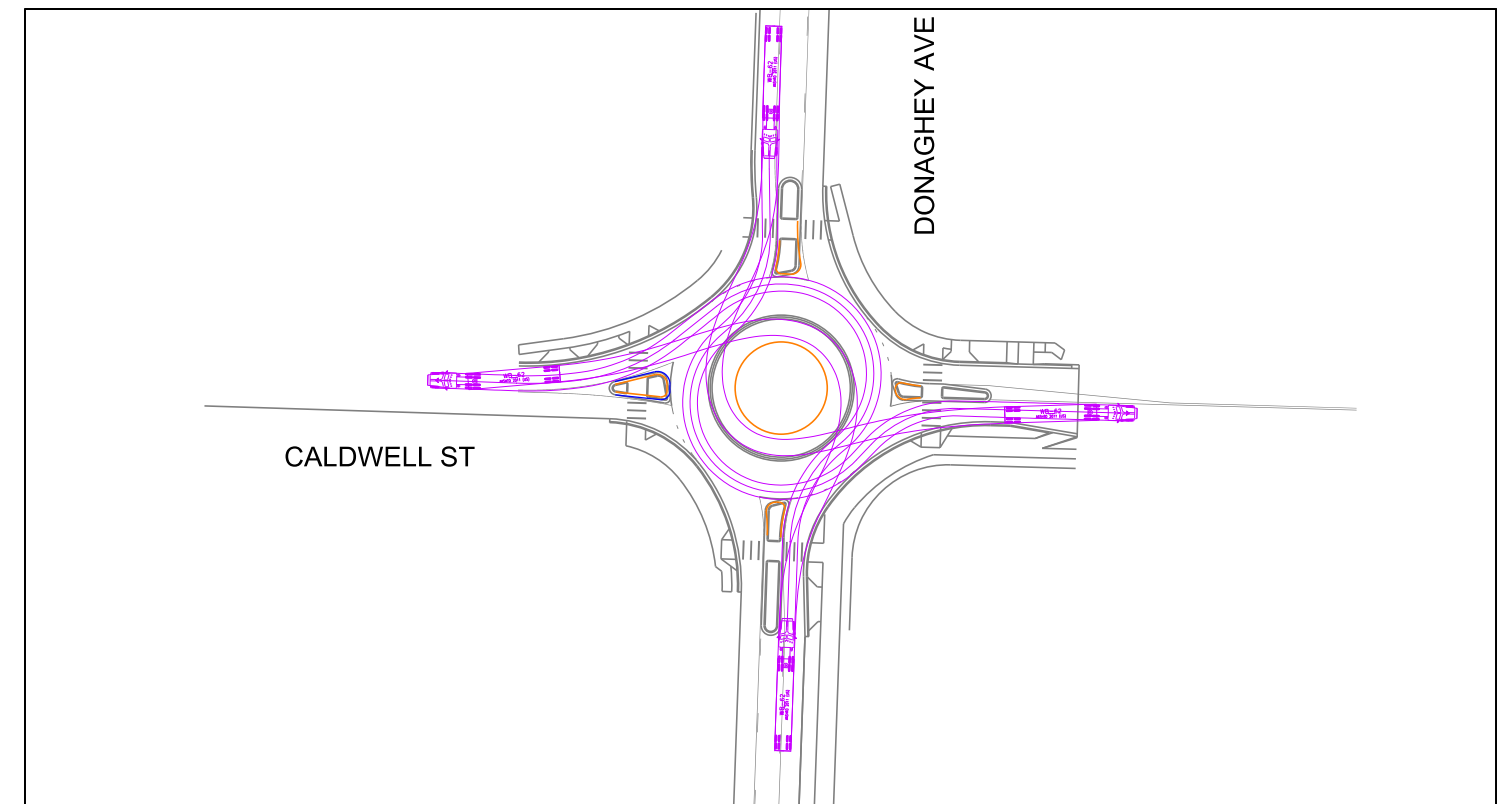
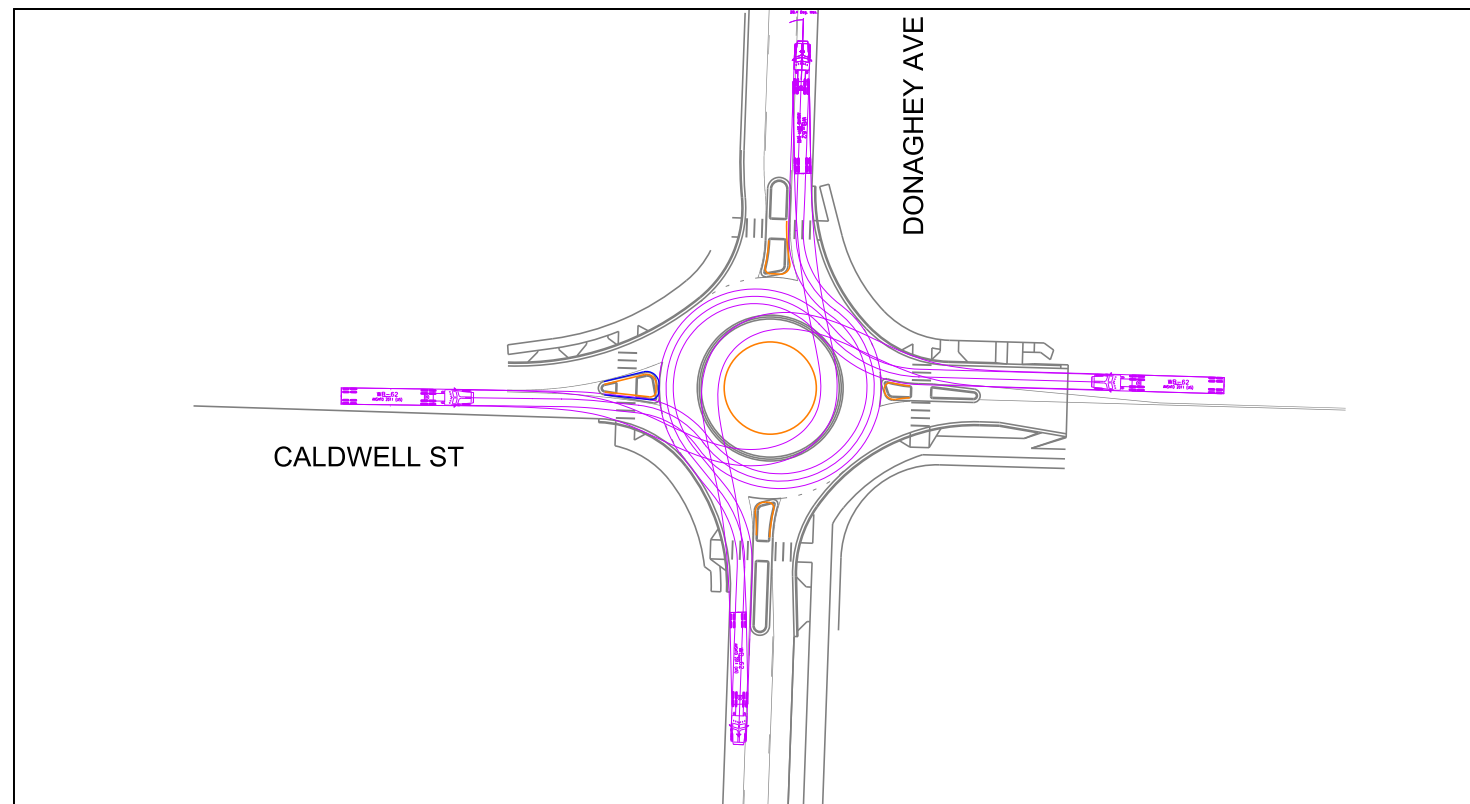
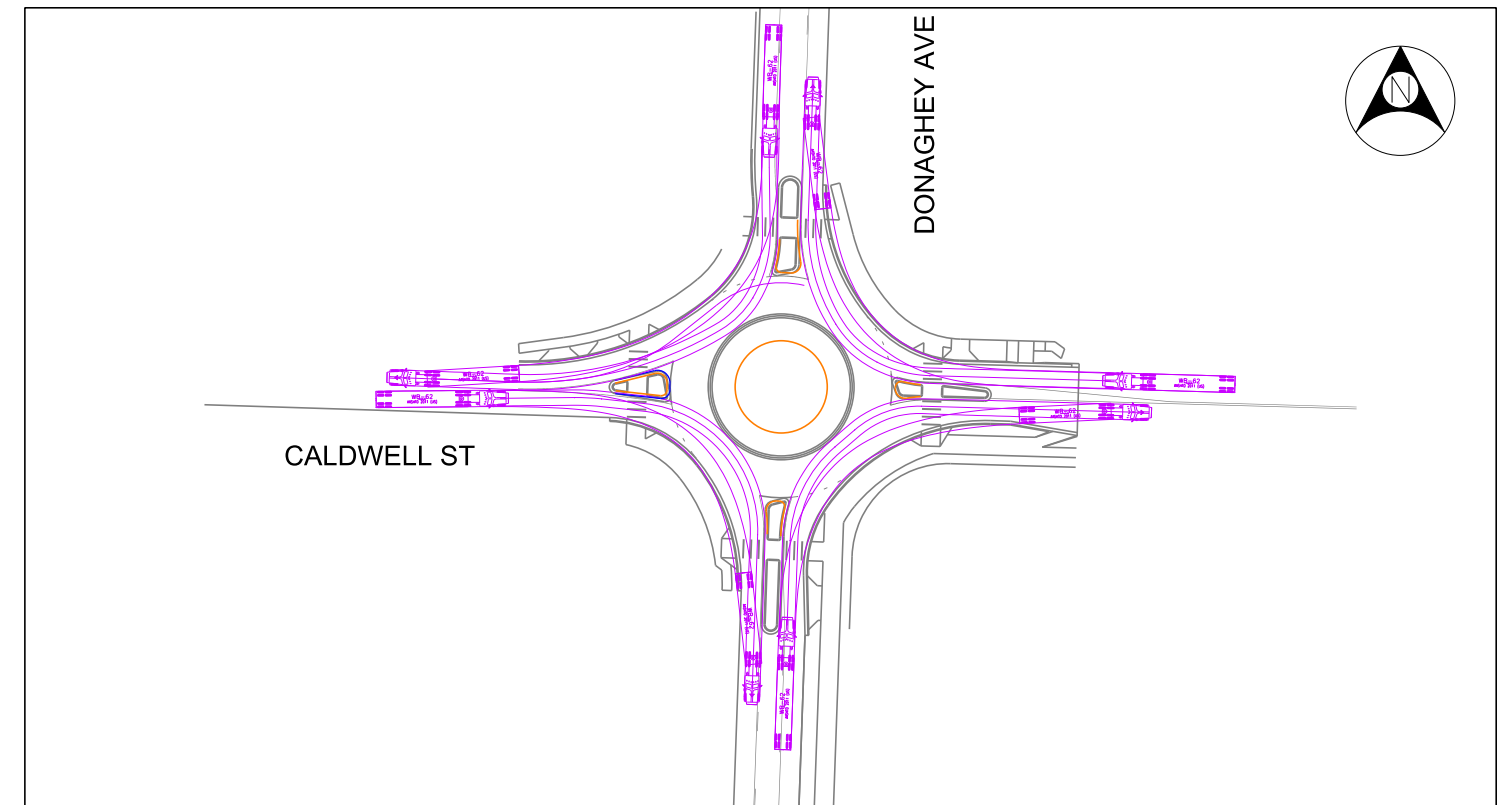


WB-62	feet		
Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 8.50	Steering Angle	: 28.4
Tractor Track	: 8.00	Articulating Angle	: 70.0
Trailer Track	: 8.50		

**LEGEND**

- FRONT AND REAR AXLE WHEEL PATH
- PROPOSED FACE OF CURB

**NOTES:**  
 TRUCK PATHS WERE GENERATED TO MAINTAIN AT LEAST 5 FEET FROM FACE OF CURB (CENTERLINE OF TRUCK) AND 3 FEET FROM LANE SEPARATION PAVEMENT MARKINGS



DONAGHEY AVE at CALDWELL ST  
 CONWAY, ARKANSAS

**DESIGN VEHICLE - WB 62  
 LT & RT TURN MOVEMENTS**

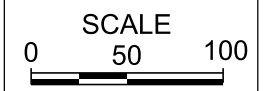
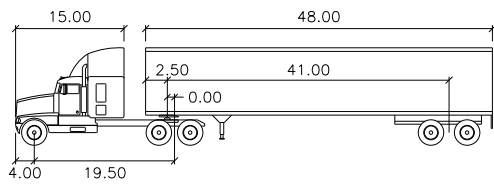


EXHIBIT: 5.2

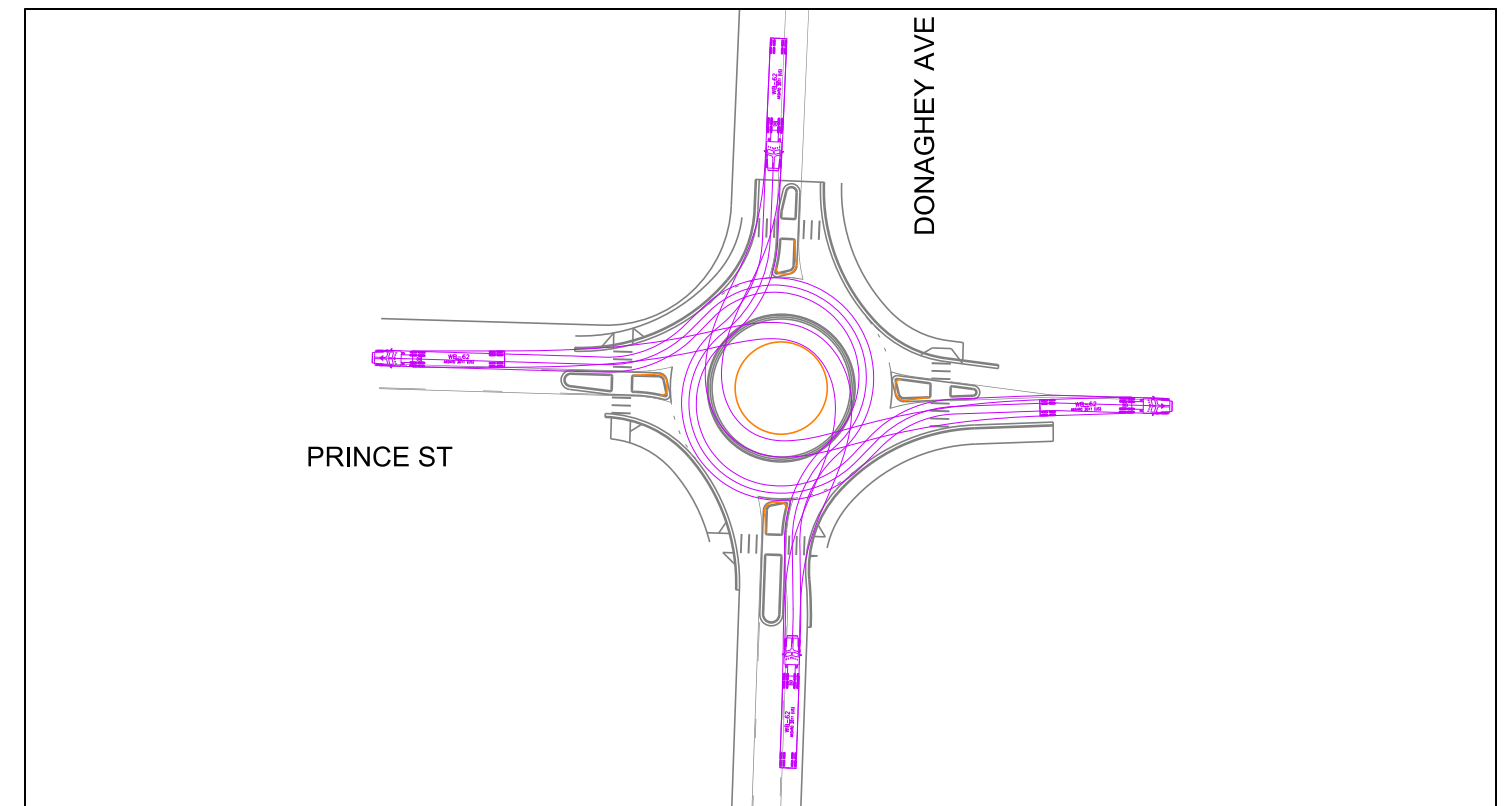
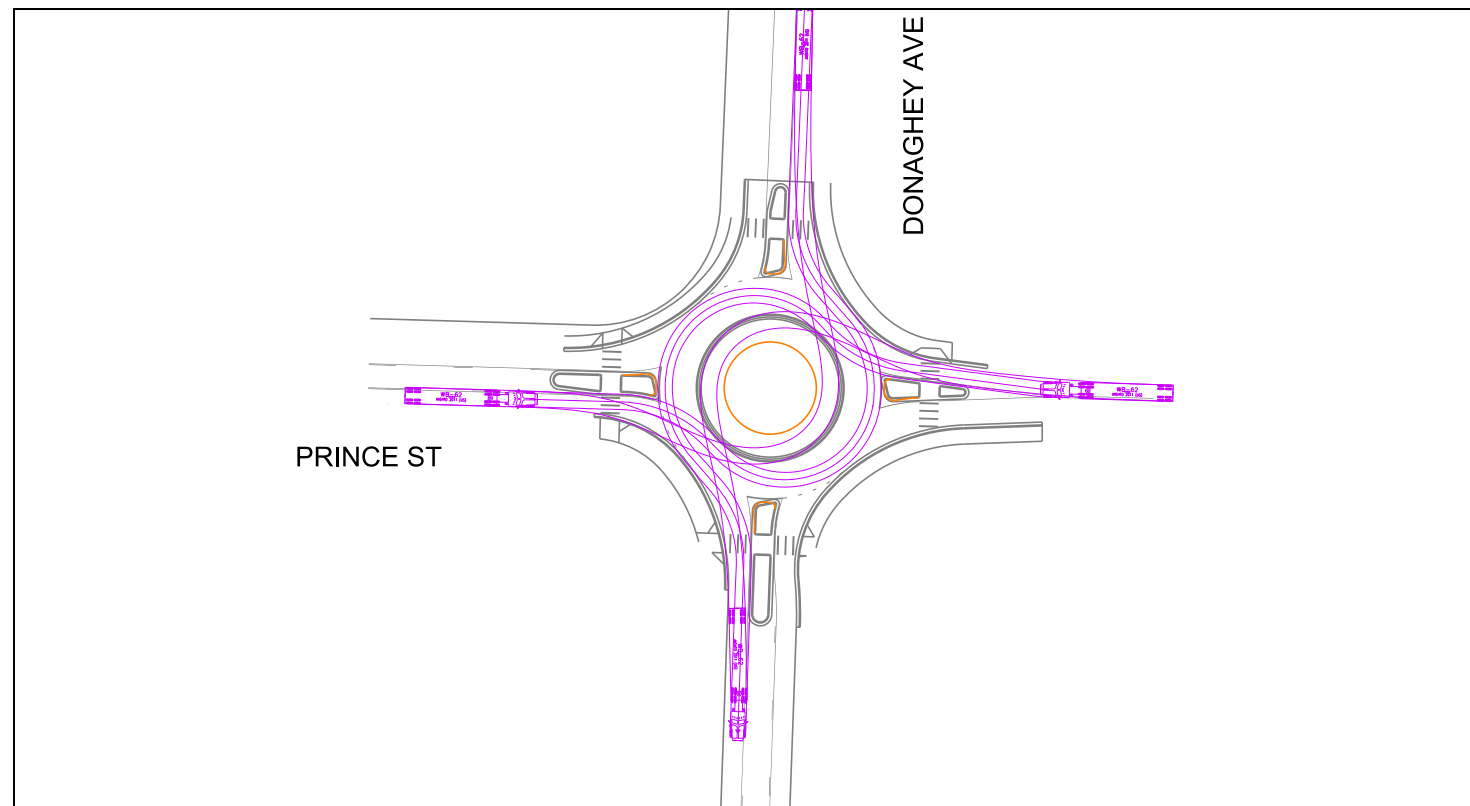
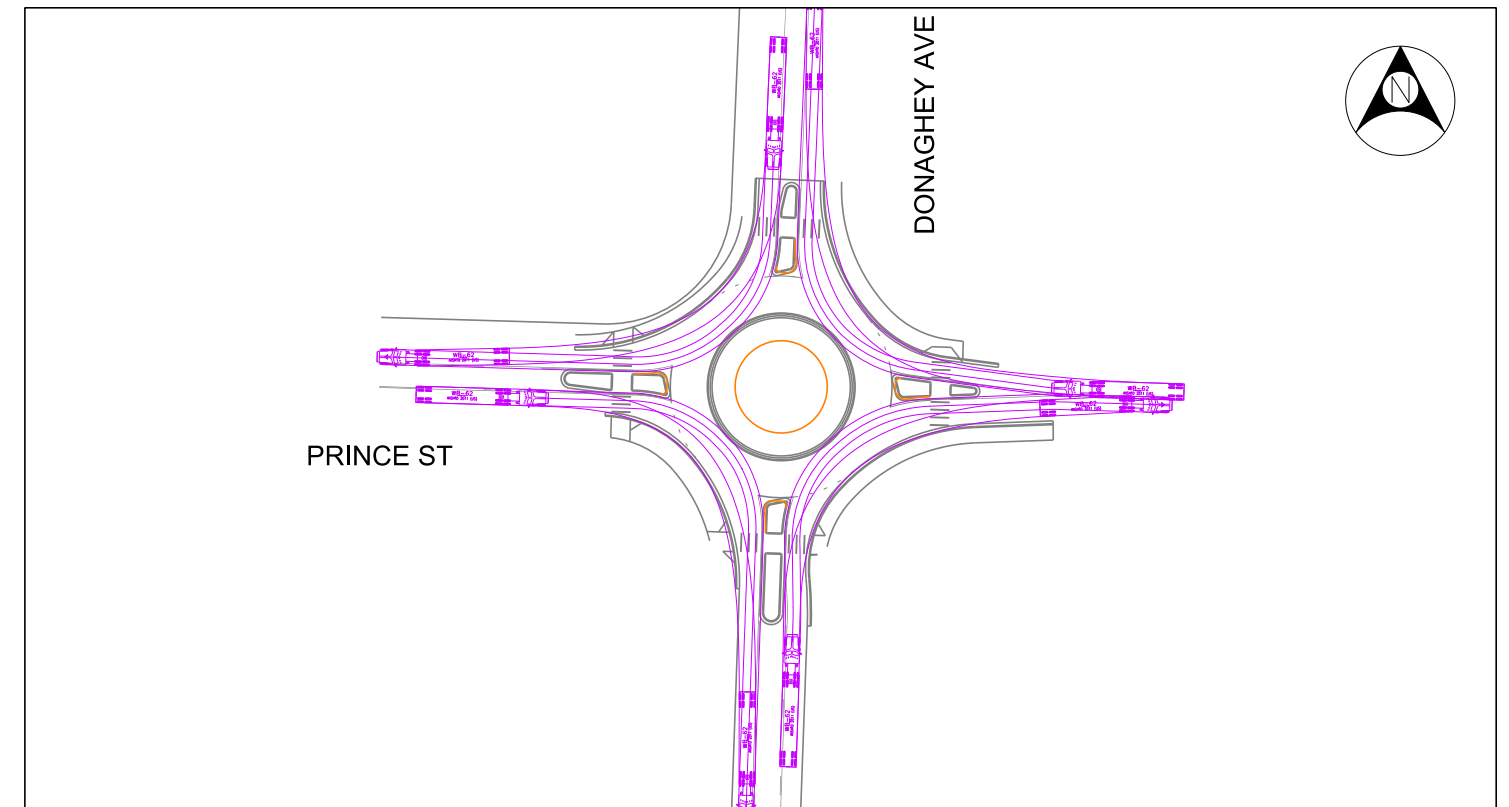


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**LEGEND**

- FRONT AND REAR AXLE WHEEL PATH
- PROPOSED FACE OF CURB

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DONAGHEY AVE at PRINCE ST  
 CONWAY, ARKANSAS

**DESIGN VEHICLE - WB 62  
 LT & RT TURN MOVEMENTS**

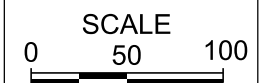


EXHIBIT: 5.3