



**Traffic Safety and Signage Committee
Meeting Agenda
December 4, 2023
2:00 PM
Bentonville City Hall**

I. Old Business

II. New Business

1. **Jackrabbit 5K Race/Run Event** **Informational**
Requesting temporary closure of Bright Road between SW Hayfield and SW Gator Road on April 20, 2024, from 7am - 9am. See map, slight change made to route.
2. **Crane placement @ 104 E Central** **Informational**
Request closure of Central for crane placement (CALT23-0023) from 10pm to 6am to install a new HVAC (ROW23-0250).
3. **Long term closure of SE 8th Street @ DGTC Bridge (Jan 2023 thru Aug 2024).** **Informational**
Nightly long term road closure @ DGTC Bridge on SE 8th Street. One lane at a time and a MUTCD traffic plan will be provided with Right of Way Permit Application.
4. **Mid-Block Crossing and RRFBs for new Construction @ SW 8th Street & Melissa Drive (LSD23-0047).** **Informational**
Mid-Block Crossing and RRFBs for new Construction @ SW 8th Street & Melissa Drive (LSD23-0047).
5. **Request 4-way stop for Traffic Calming @ SW Windmill** **Informational**
Request 4-way stop for Traffic Calming @ SW Windmill & S Morningstar and SW Windmill & HWY 112 due to the increased traffic.
6. **First Fridays and Farmer's Markets (Th & Sat).** **Informational**
First Friday Events - April through November 2024 closure request (map attached).
Thursday Farmer's Market - May through September 2024, Main Street Closure btw NW 2nd & Central
Saturday Farmer's Market - April through October 2024 closure request (map attached).

III. Miscellaneous

IV. Next Proposed Meeting:

1. **January 1, 2024 is the next scheduled meeting. Vote required to move meeting.**



To: City Council
From:
Thru:
Date: December 4, 2023

Subject: Jackrabbit 5K Race/Run Event

Requesting temporary closure of Bright Road between SW Hayfield and SW Gator Road on April 20, 2024, from 7am - 9am. See map, slight change made to route.

Recommendation for Action:

Background:

Budget Impact:

Attachments:

1. Jackrabbit App
2. Jackrabbit Map



Traffic, Signage and Safety Agenda Request Form

Committee Meetings: First Monday of Each Month

City Contact: Tracy Billings

tbillings@bentonvillear.com

(479)696-0229

Name: Jason Thomas

Email: ultrarunner100_24@yahoo.com

Address: 3801 SW Eden Brooke, Bentonville, AR 72713

Phone Number: 479-366-1259



Temporary Street Closure Request: Reason or Name of Event, Dates & Times of Closure and Map of the Detour/Closure required.

*Prior to submitting application contact:

Lt. Glynn Bertrand (479)418-8610 or Sgt. Josh Carlson (479)531-5889

Requires 90 days notice prior to the event date

Requesting temporary road closure of Bright road between SW Hayfield and Gator. We are hosting the 10th annual Jackrabbit 5K on April 20, 2024 at 8 am. The road closure is generally between 7-9 am.

We are also requesting a slight course change this year. In the past, we have done an "out and back" style course. This year, after the runners come past the round-a-bout and get to mile #2, we want them to take a Right turn on SW Edinburgh st and run to SW Hollowbrook st and then to the finish line. This will eliminate any congestion.

We have plenty of volunteers to staff this extra street and we also place door hangers on every door on the course the week of the race.



Traffic Calming Request: Signals, Signage, Trails and Crosswalks w/description of need.

****May require Neighborhood Notification Petition****

May require traffic study and/or neighbor notifications

Find more information concerning Run Rules/Traffic Calming on the TRANSPORTATION PAGE @ bentonvillear.com

Applicant Signature: Jason Thomas

Date: 11/06/2023 07:31 PM

3rd Annual
JACKRABBIT 5K
& Bunny Hop 1/2 Mile Fun Walk

April 11, 2015

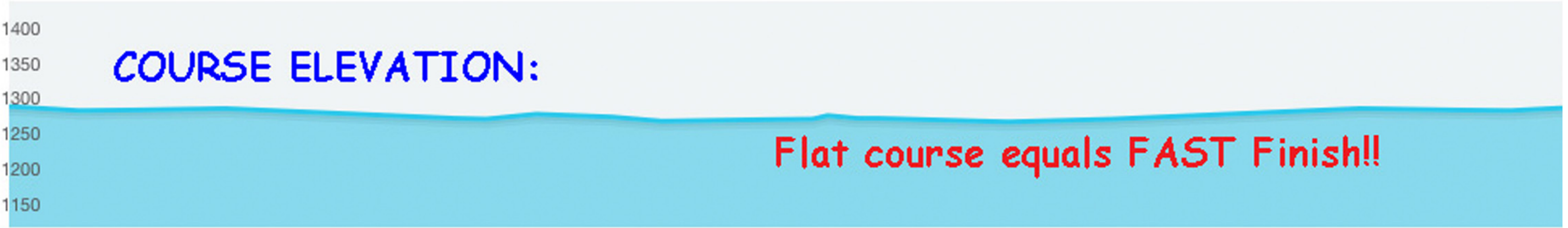


XXXXXX = proposed course
changes for 2024



The course is, for the most part, an “out and back” course that begins and ends at the Flagstone Church of Christ.

This course is **FLAT, FAST, and FUN!!**





To: City Council
From:
Thru:
Date: December 4, 2023

Subject: Crane placement @ 104 E Central
Request closure of Central for crane placement (CALT23-0023) from 10pm to 6am to install a new HVAC (ROW23-0250).

Recommendation for Action:

Background:

Budget Impact:

Attachments:

1. Crane App
2. Road Closure Map
3. Street View Site Map



Traffic, Signage and Safety Agenda Request Form

Committee Meetings: First Monday of Each Month

City Contact: Tracy Billings

tbillings@bentonvillear.com

(479)696-0229

Name: Andy Chang

Email: achang@baldwinshell.com

Address: 6514 A Lynch's Prairie Cove
Springdale AR 72762

Phone Number: 501-515-2910



Temporary Street Closure Request: Reason or Name of Event, Dates & Times of Closure and Map of the Detour/Closure required.

*Prior to submitting application contact:

Lt. Glynn Bertrand (479)418-8610 or Sgt. Josh Carlson (479)531-5889

Requires 90 days notice prior to the event date

Setting Mechanical equipment for CALT23-0023 Butter/Scotch Bakery Bar at 104 E. Central Ave. Need street closed to operate crane. Street would close at intersection of Main and Central. Traffic could flow through Central uninterrupted. Sidewalk on West side of Main to remain open. Sidewalk on East would be cut off from Art on the square to Eyes on the square. Pedestrian access to 107 S Main Downtown Bentonville Inc. would be limited



Traffic Calming Request: Signals, Signage, Trails and Crosswalks w/description of need.

May require Neighborhood Notification Petition

May require traffic study and/or neighbor notifications

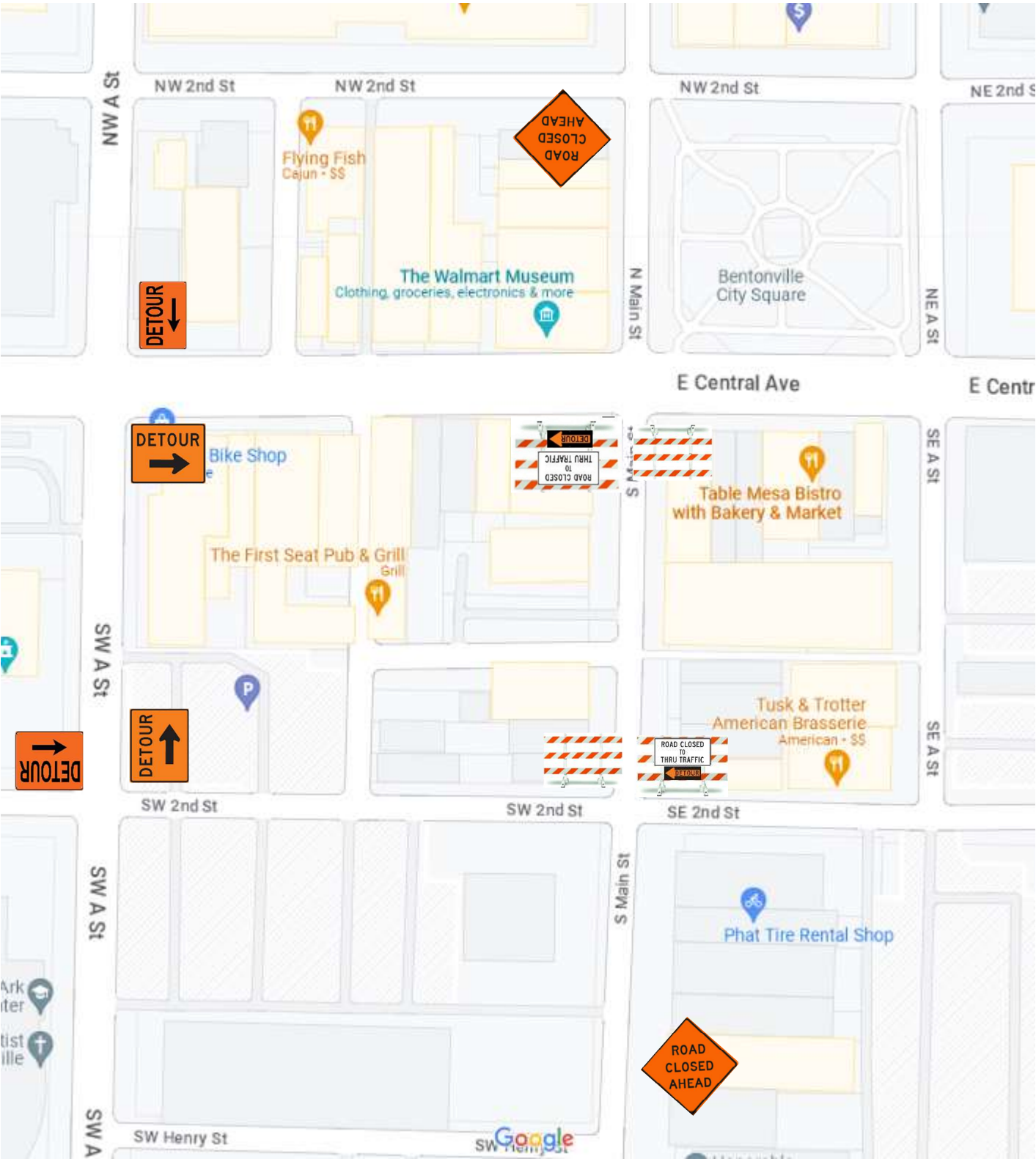
while crane is operating. Street closure would stop at 107 S Main Eyes on the square.

Find more information concerning Run Rules/Traffic Calming on the TRANSPORTATION PAGE @ bentonvillear.com

Applicant Signature: Andy Chang

Date: 11/9/23

Baldwin & Shell closing Main St Between Central and 2nd St, Bentonville





sidewalk closure

Central Avenue to remain open
and unobstructed

Street and parking
closure

Property

crane/boom truck

trailer with
equipment



To: City Council
From:
Thru:
Date: December 4, 2023

Subject: Long term closure of SE 8th Street @ DGTC Bridge (Jan 2023 thru Aug 2024).

Nightly long term road closure @ DGTC Bridge on SE 8th Street. One lane at a time and a MUTCD traffic plan will be provided with Right of Way Permit Application.

Recommendation for Action:

Background:

Budget Impact:

Attachments:

1. DCTC BRIDGE - TSS AGENDA App



Traffic, Signage and Safety Agenda Request Form

Committee Meetings: First Monday of Each Month

City Contact: Tracy Billings

tbillings@bentonvillear.com

(479)696-0229

Name: John Balsters

Email: jbalsters@crossland.com

Address: 805 Moberly Ln (David Glass Technology
Center Bridge over 8th St)

Phone Number: 479-270-7342



Temporary Street Closure Request: Reason or Name of Event, Dates & Times of Closure and Map of the Detour/Closure required.

*Prior to submitting application contact:

Lt. Glynn Bertrand (479)418-8610 or Sgt. Josh Carlson (479)531-5889

Requires 90 days notice prior to the event date

See below sketches for proposed nightly road closure scenarios. The closures would be one lane at a time as needed for the work, and occur between the hours of 8pm and 6am. At no time will traffic traveling straight or turning be completely blocked. There will be a MUTCD traffic plan with proper signage for every scenario that will be implemented with the corresponding lane closure. Upon approval of this proposal, the MUTCD traffic plans will be drawn.

The dates of this work will be approximately January 1, 2024 thru August 1, 2024.



Traffic Calming Request: Signals, Signage, Trails and Crosswalks w/description of need.

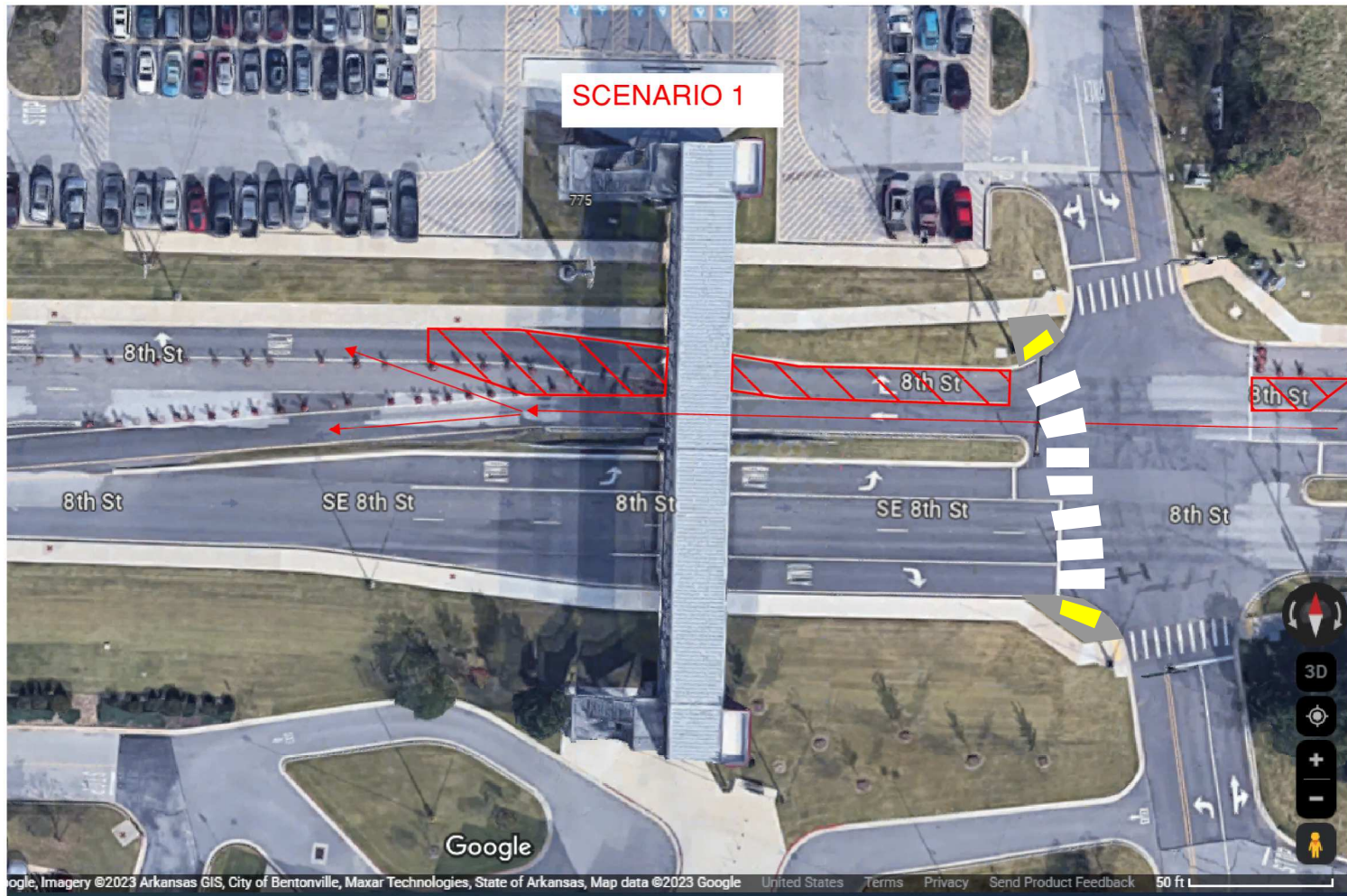
May require Neighborhood Notification Petition

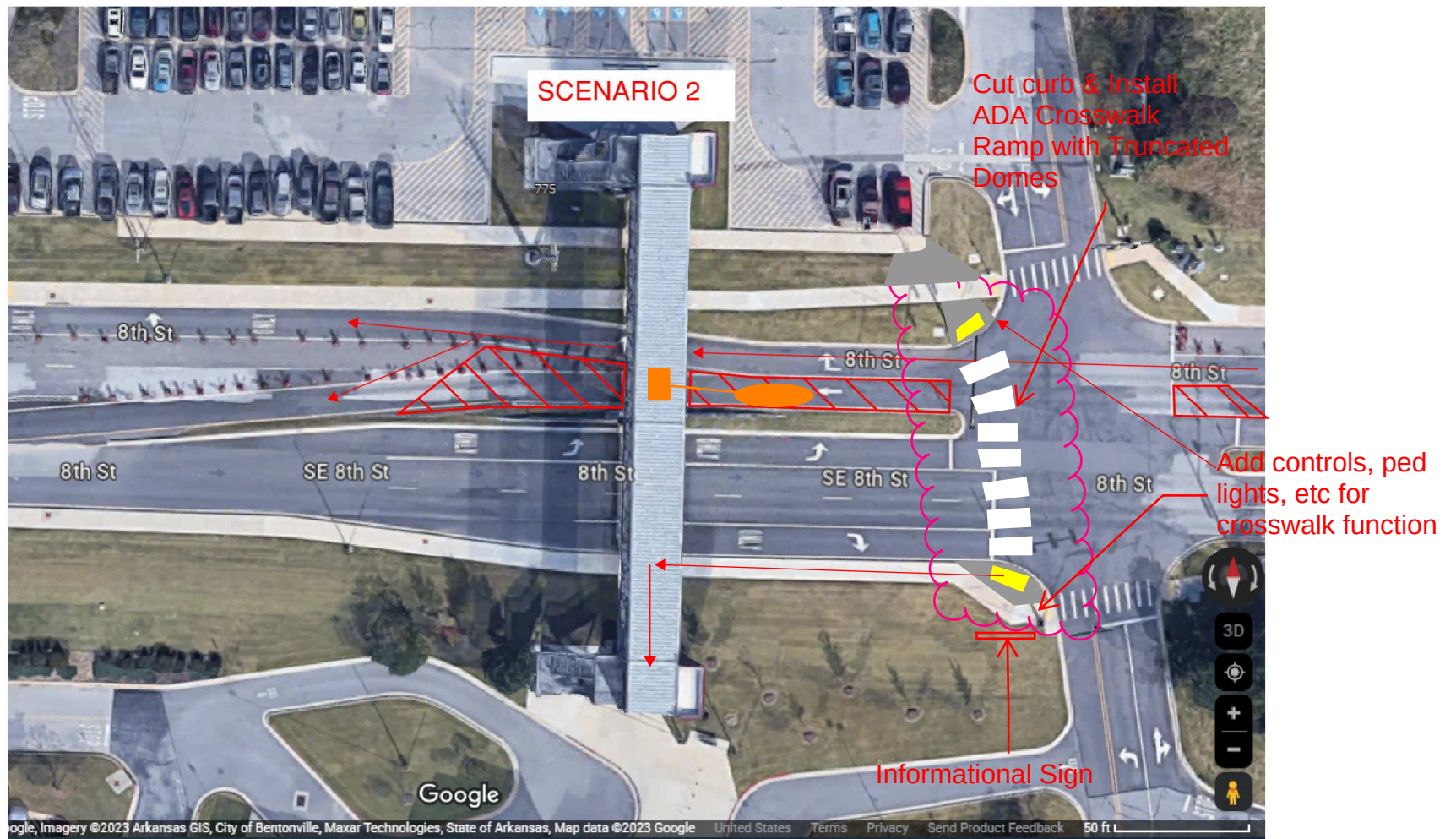
May require traffic study and/or neighbor notifications

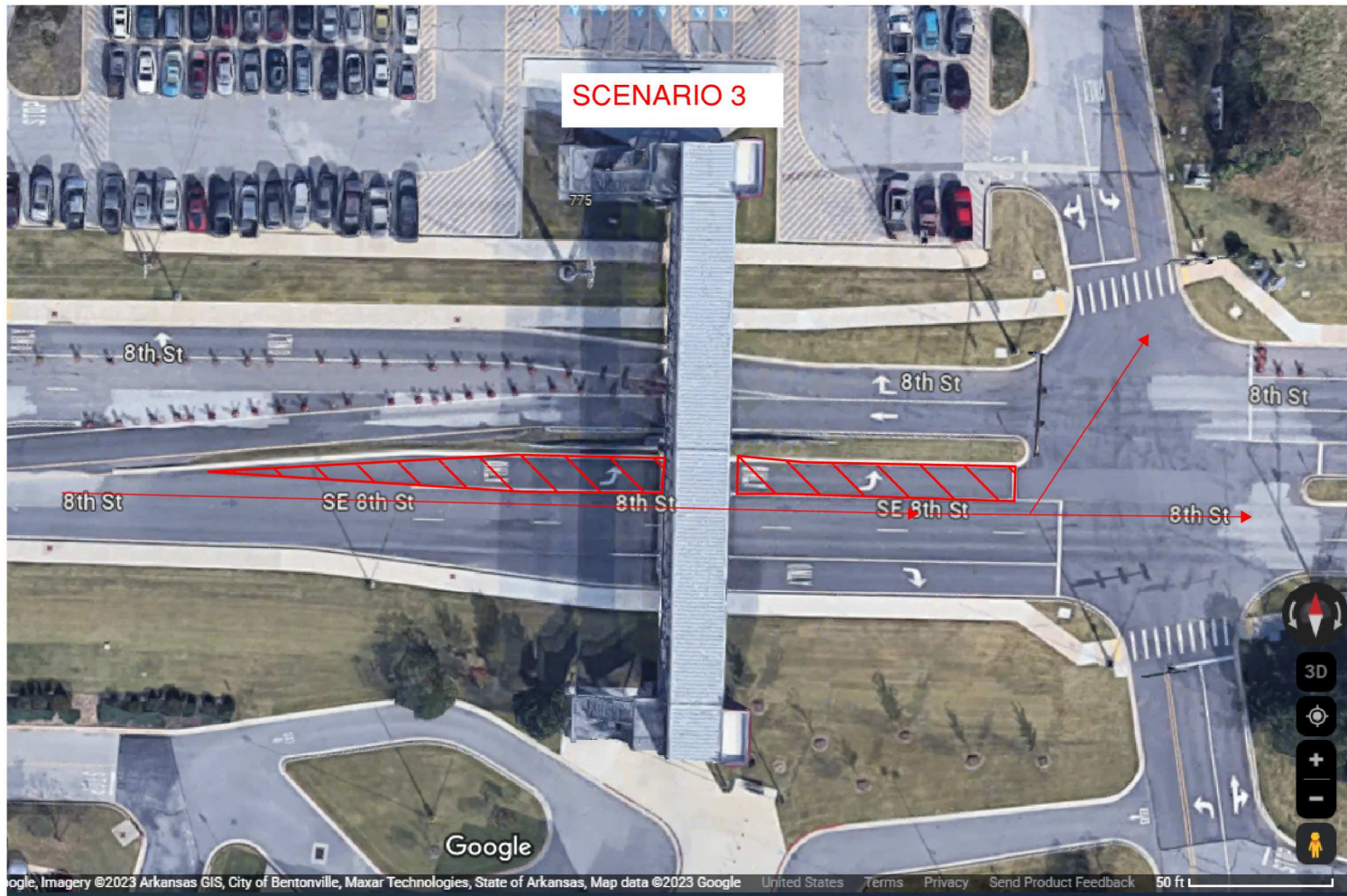
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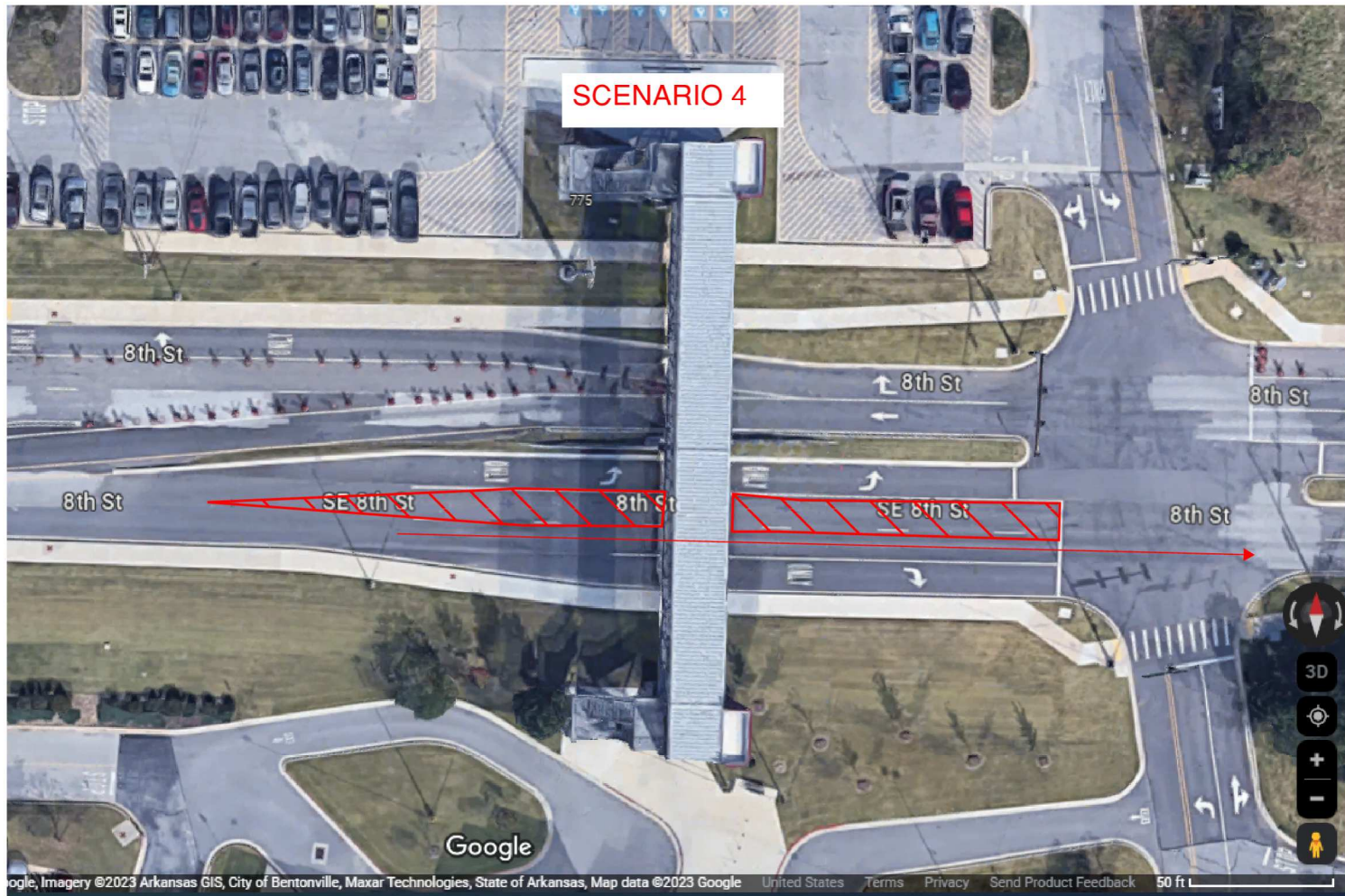
Applicant Signature: _____

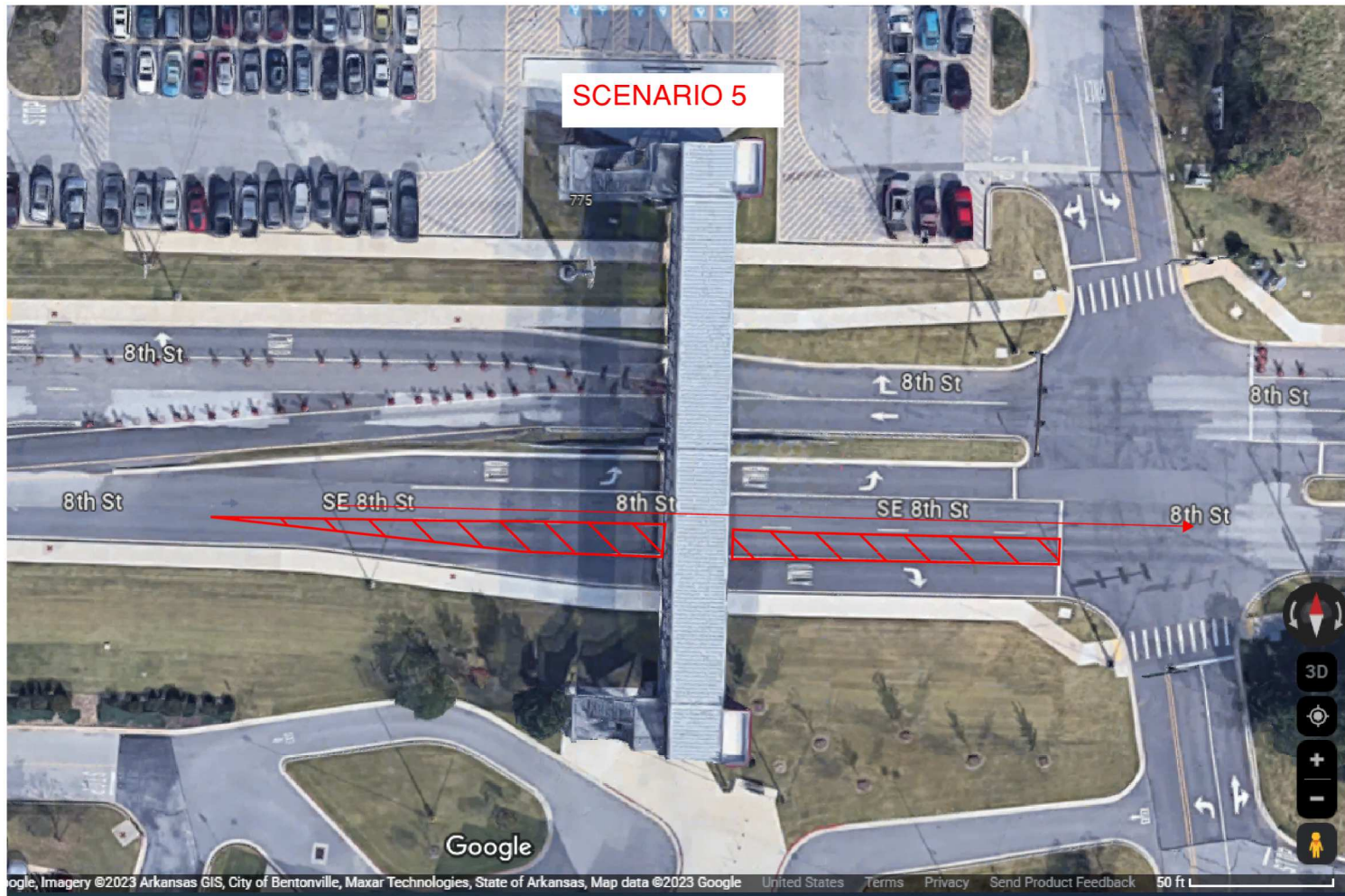
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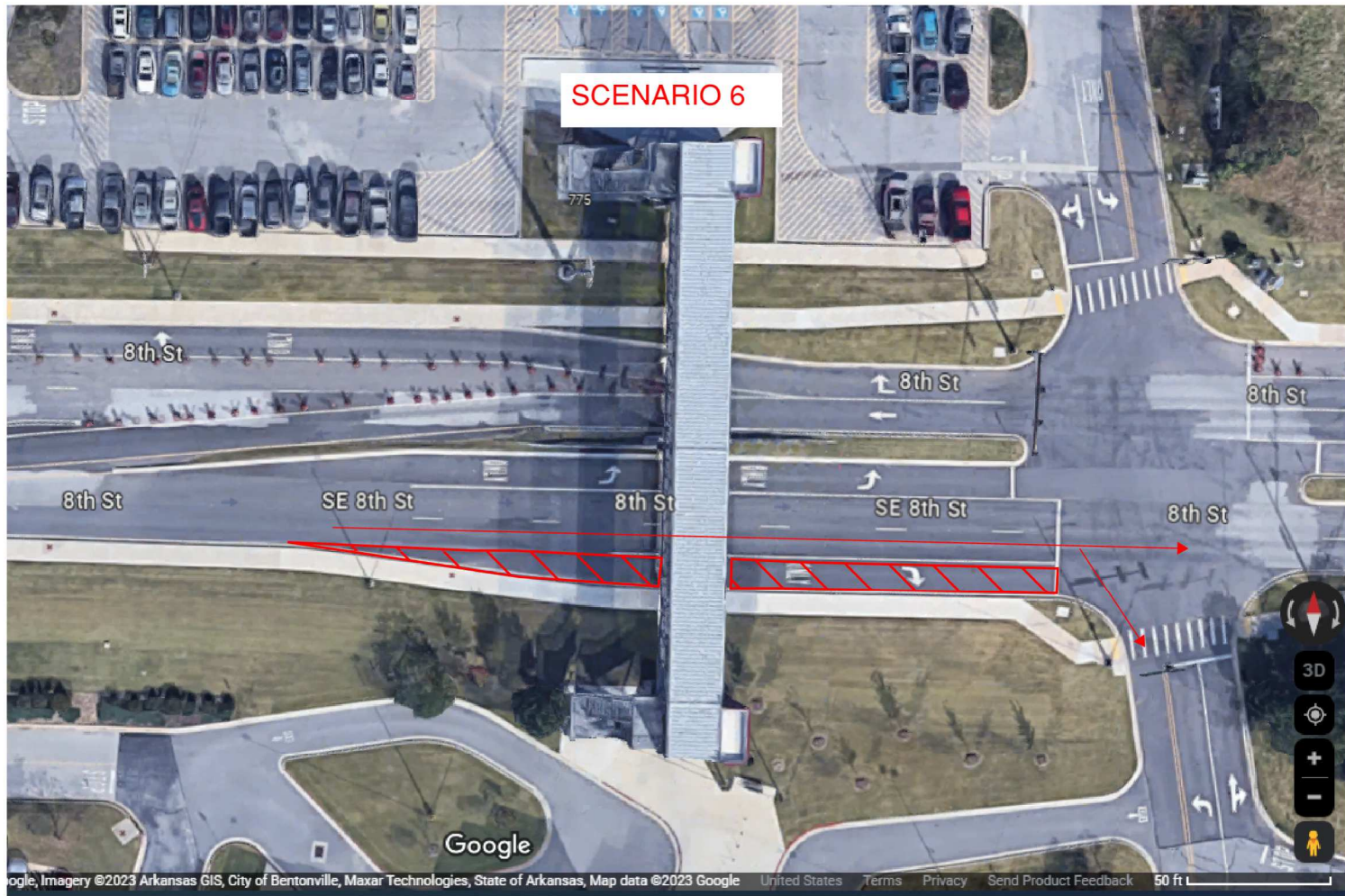












SCENARIO 6

775

8th St

8th St

SE 8th St

8th St

8th St

SE 8th St

8th St

Google



Traffic, Signage and Safety Agenda Request Form

Committee Meetings: First Monday of Each Month

City Contact: Tracy Billings

tbillings@bentonvillear.com

(479)696-0229

Name: 8th St Gateway Park - Katelynn Morgan (EDG)

Email: kmorgan@ecologicaldg.com

Address: 8th Street and Melissa Drive

Phone Number: 918-399-3717

☐

Temporary Street Closure Request: Reason or Name of Event, Dates & Times of Closure and Map of the Detour/Closure required.

*Prior to submitting application contact:

Lt. Glynn Bertrand (479)418-8610 or Sgt. Josh Carlson (479)531-5889

Requires 90 days notice prior to the event date

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Traffic Calming Request: Signals, Signage, Trails and Crosswalks w/description of need.

May require Neighborhood Notification Petition

May require traffic study and/or neighbor notifications

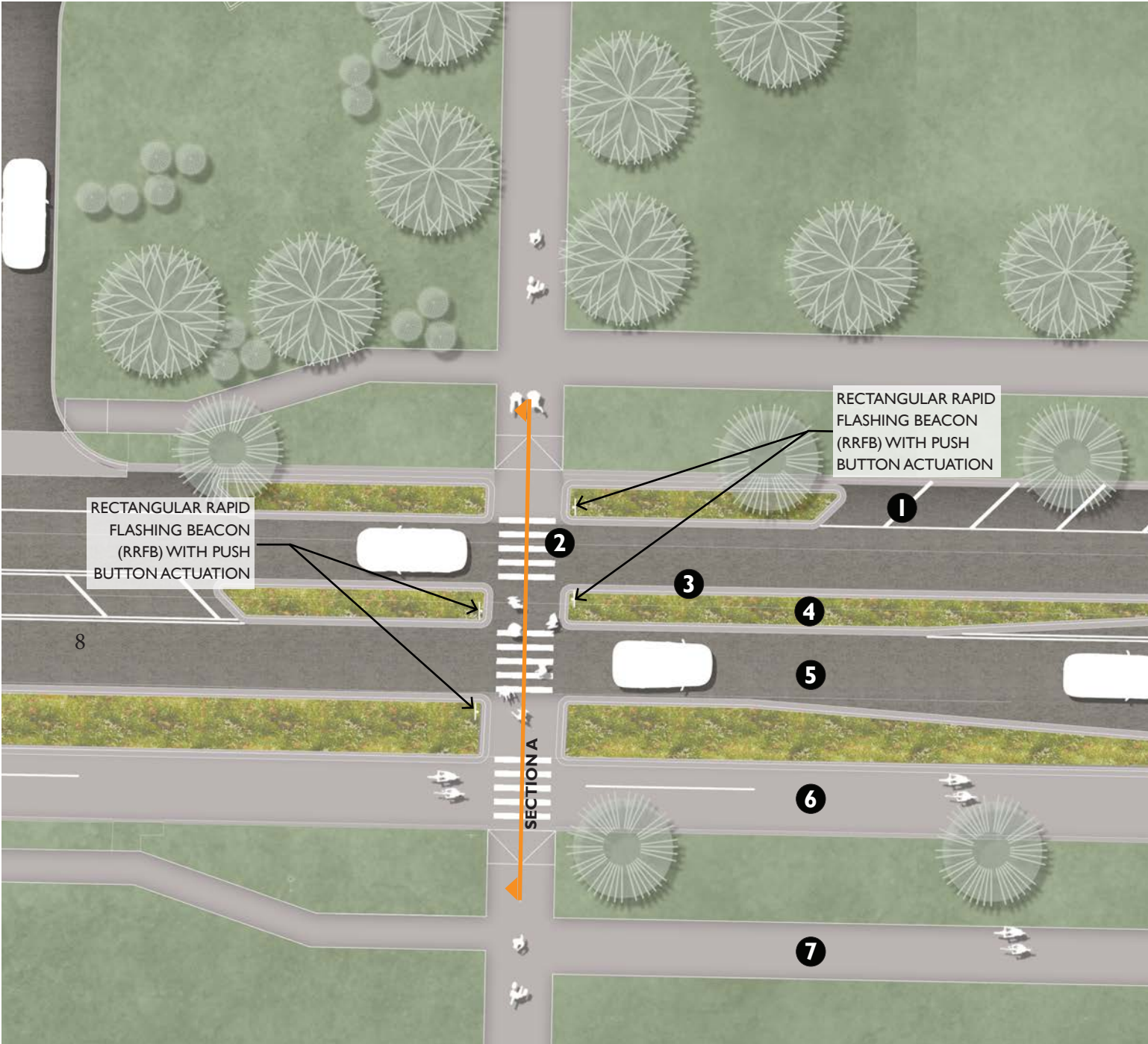
Ecological Design Group is proposing a Rectangular Rapid Flashing Beacon (RRFB) w/ pushbutton actuation controlled mid-block crossing along SW 8th St. This mid-block crossing will connect the northern and southern halves of the East Park. The mid-block crossing will consist of 4 RRFB w pushbutton actuation and a series of refuge islands for pedestrian safety. These refuge islands have the additional benefit of being a traffic calming measure which would naturally slow vehicles down by the need to drive between two vertical curbs.

Ecological Design Group is proposing a Rectangular Rapid Flashing Beacon (RRFB) w/ pushbutton actuation controlled mid-block crossing along Melissa Dr. for the park trail crossing. Please see the attached exhibits for proposed design and the City of Bentonville detail RRFB-PUSH-1.1

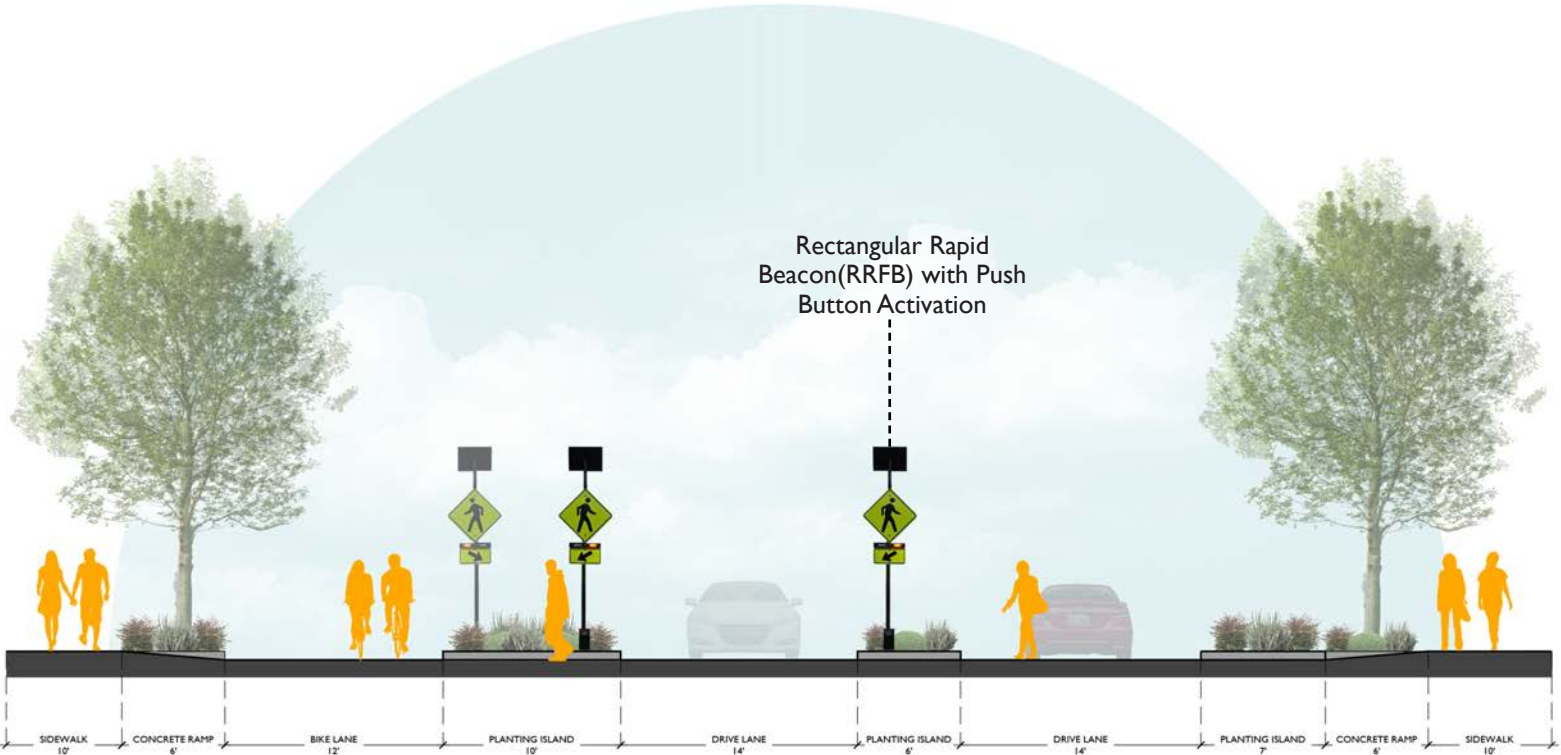
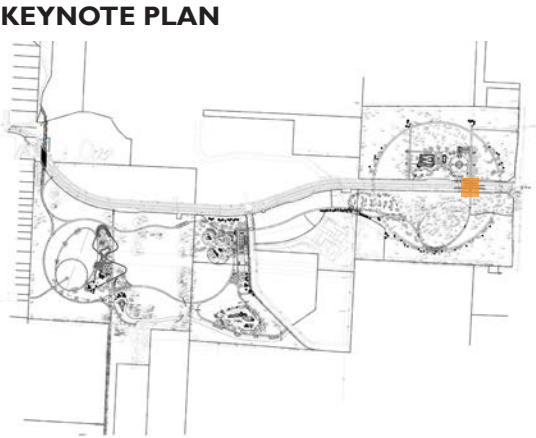
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Applicant Signature: 

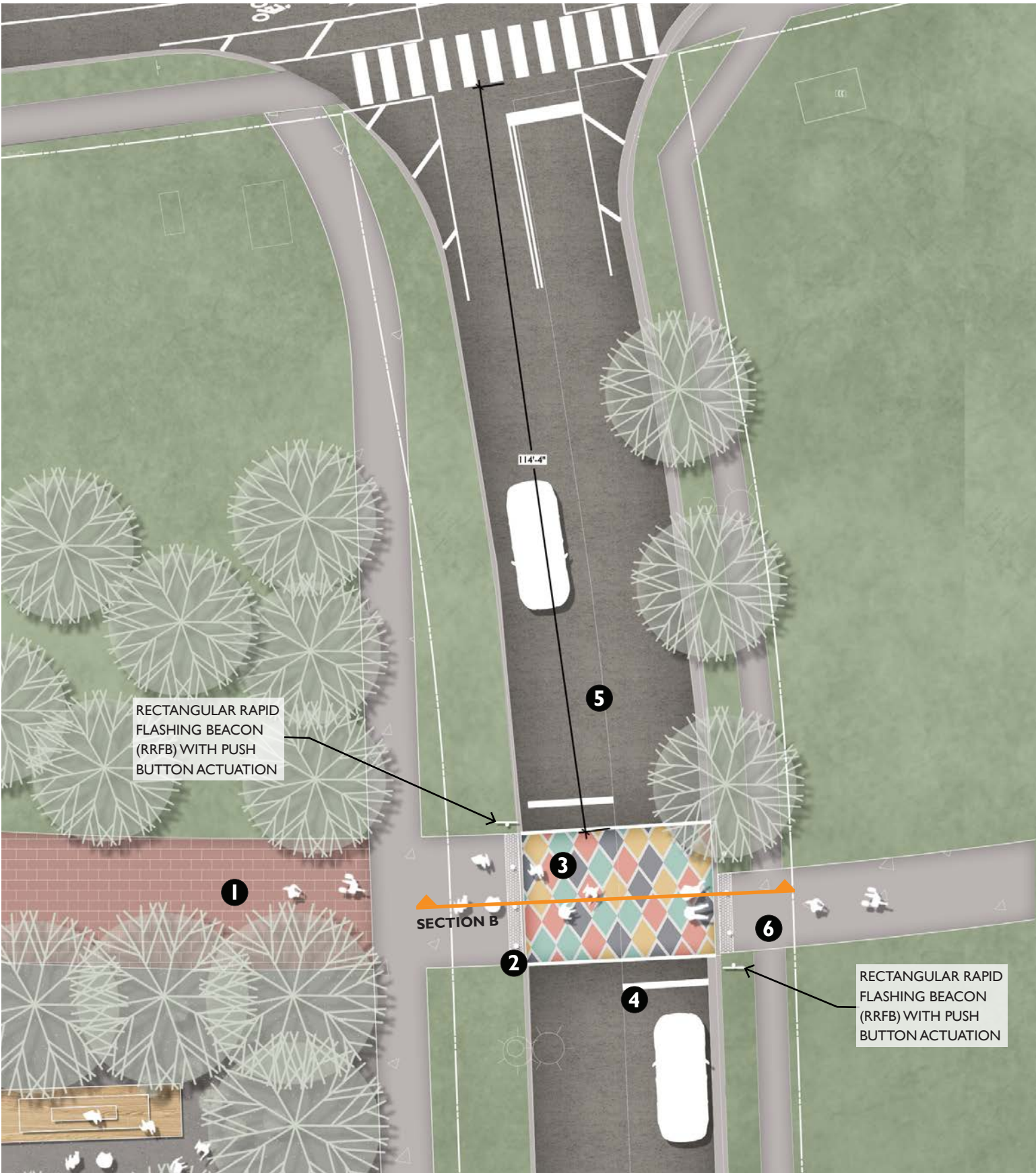
Date: 11/13/2023



- PROPOSED LEGEND**
- 1 PAVEMENT STRIPING & MARKINGS
 - 2 CROSSWALK STRIPING
 - 3 STANDARD CURB AND GUTTER
 - 4 PLANTING ISLAND
 - 5 14' DRIVE LANE
 - 6 12' WIDE BIKE LANE
 - 7 10' WIDE CONCRETE SIDEWALK

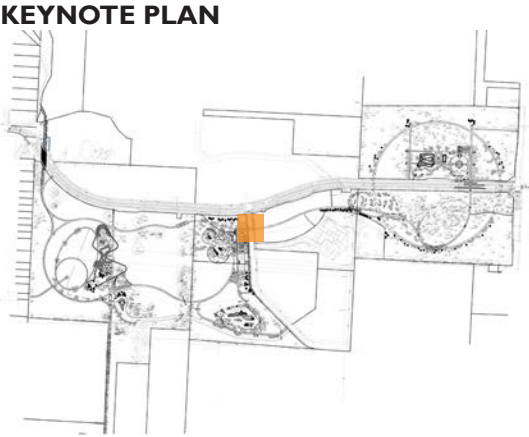


1 SECTION A



PROPOSED LEGEND

- 1** PERMEABLE PAVERS
- 2** BOLLARD
- 3** TACTICAL URBANISM CROSSING
- 4** PAVEMENT STRIPING
- 5** 2-WAY DRIVE LANE
- 6** CONCRETE SIDEWALK



MELISSA DRIVE TRAFFIC ENLARGEMENT PLAN AND SECTION

I

SECTION B

8TH STREET GATEWAY PARK

BENTONVILLE, AR

*OBTAIN FREE ENERGY BALANCE REPORT DIRECTLY FROM CARMANAH AT: [HTTPS://CARMANAHTRAFFIC.COM/REQUEST-ENERGY-BALANCE-REPORT-EBR/](https://carmanahtraffic.com/request-energy-balance-report-eb/) OR CALL 1-877-722-8877 TO DETERMINE PROPER SOLAR ENGINE SIZING.

**DENOTES SIGN OPTIONS AS SHOWN BELOW AS APPROVED BY THE CITY OF BENTONVILLE



FRONT VIEW
W11-15 - (FYG) (IF REQUIRED)
COMBINED BIKE-PED SIGN
N.T.S.



FRONT VIEW
S1-1 - (FYG) (IF REQUIRED)
SCHOOL ZONE SIGN
N.T.S.

ALL REQUESTS TO USE PASSIVE DETECTION
SHALL BE REVIEWED AND APPROVED BY THE
TRANSPORTATION DEPARTMENT.

0.75" X 0.030" MIN BAND
MANUFACTURER - PELCO
STAINLESS STEEL BAND (TYPICAL)
(WORM DRIVE HOSE CLAMPS ACCEPTABLE)
TOTAL BAND QUANTITY - 6

US-8120-31
MANUFACTURER - PELCO
1-BOLT FLARED LEG BRACKET
(ZINC PLATED) WITH FIBER WASHER
TOTAL BRACKET QUANTITY - 8

IF VIEWING ON A DEVICE,
CLICK HERE TO DOWNLOAD THE
PARTS CATALOG FOR THE RRFB
WITH PUSHBUTTON ACTUATION

R920 ASSEMBLY

MANUFACTURER - CARMANAH
SOLAR ENGINE ASSEMBLY - BLACK (QTY 1)
*SEE NOTE AT THE TOP OF THIS SHEET
FOR THE LINK TO THE EBR WEBSITE.
AN EBR IS REQUIRED TO DETERMINE
THE PROPER SIZING OF THE SYSTEM.

R920 ASSEMBLY

MANUFACTURER - CARMANAH
POST TOP SLIP FITTER (QTY 1)

W11-2 FYG

MANUFACTURER - ANY
30" X 30" PEDESTRIAN SIGN
FLUORESCENT YELLOW GREEN (QTY 2)

**OPTIONS IF APPROVED BY CITY:
S1-1 SCHOOL ZONE SIGN FYG (QTY 2)
W1-15 BIKE AND PED SIGN FYG (QTY 2)

R920 ASSEMBLY

MANUFACTURER - CARMANAH
RECTANGULAR RAPID FLASHING BEACON
BLACK WITH SIDE CONFIRMATION LIGHT
BI-DIRECTIONAL CONFIGURATION (QTY 2)
APPROXIMATELY 4"H X 24"W

W16-7P - FYG

MANUFACTURER - ANY
24" X 12" ARROW SUPPLEMENTAL SIGN
FLUORESCENT YELLOW GREEN (QTY 2)
(1 RIGHT ARROW AND 1 LEFT ARROW)

R10-25

MANUFACTURER - ANY
PUSH BUTTON WARNING SIGN (QTY 1)

PBF-9X12-B

MANUFACTURER - POLARA
SIGN AND PUSHBUTTON FRAME (QTY 1)

BDL3CE-B

MANUFACTURER - POLARA
PUSHBUTTON, CITY OF
BENTONVILLE CUSTOM ETCH (QTY 1)

PB-5100-12-P33

MANUFACTURER - PELCO
12" ALUMINUM PEDESTAL POLE WITH
THREADS ON BOTTOM, BLACK (QTY 1)

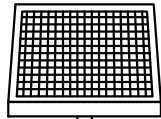
PB-5349-1S-GL-P33

MANUFACTURER - PELCO
DECORATIVE OCTAGONAL ALUMINUM BASE
SET BOLT AND GROUND LUG, BLACK (QTY 1)

PEDESTAL FOUNDATION
SEE FOUNDATION DETAIL

FRONT VIEW

RRFB W/ PUSHBUTTON ACTUATION
N.T.S.



W11-2

2 BANDS

W11-2

4 BRACKETS

BEACON

2 BANDS

W16-7P

2 BANDS

W16-7P

4 BRACKETS

REQUIRED SPACING
PROVIDE 1" SPACING ABOVE
AND BELOW THE FLASHING BEACON

8'-1"

7'

42"

FINAL GRADE

FINAL GRADE

SIDE VIEW

RRFB W/ PUSHBUTTON ACTUATION
N.T.S.

GENERAL NOTES:

- THE CITY OF BENTONVILLE SPECIFICATIONS, ORDINANCES AND STANDARDS SHALL GOVERN UNLESS APPROVED IN WRITING BY THE CITY ENGINEER.
- UNLESS APPROVED BY LARGE SCALE DEVELOPMENT OR PRELIMINARY PLAT, ALL WORK WITHIN THE CITY OF BENTONVILLE RIGHT OF WAY SHALL NEED THE PROPER PERMIT.
- IF WORK IS BEING PERFORMED IN ARDOT RIGHT OF WAY, A COPY OF THE PERMIT AND REQUIREMENTS SHALL BE SUBMITTED TO THE CITY OF BENTONVILLE TRANSPORTATION OFFICE.
- TO SCHEDULE AN INSPECTION OR TEST WITH THE CITY OF BENTONVILLE TRANSPORTATION DEPARTMENT, INSPECTIONS MUST BE CALLED IN BY THE ENGINEER OF RECORD 24 HOURS IN ADVANCE BEFORE 10AM FOR AN INSPECTION THE FOLLOWING DAY. CALL (479) 271-3168 TO SCHEDULE AN INSPECTION.
- THE ENGINEER OF RECORD MUST CERTIFY THAT THE RRFB WAS CONSTRUCTED AND INSTALLED PER PLAN. IF WARRANTED, AN ENGINEERING ESTIMATE FOR THE COST OF CONSTRUCTION SHALL BE SUBMITTED AND A MAINTENANCE BOND SHALL BE SUPPLIED.
- EQUIPMENT AND MATERIAL SUBMITTALS AND A TRAFFIC CONTROL PLAN WILL BE REQUIRED AND SHALL BE APPROVED BEFORE ANY CONSTRUCTION BEGINS.
- ALL TRAFFIC CONTROL DEVICES USED ON ROAD CONSTRUCTION SHALL CONFORM TO MUTCD, LATEST EDITION, AND TO THE STANDARD HIGHWAY SIGNS, LATEST EDITION, OR AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION.
- CONTRACTOR SHALL LOCATE THEIR OWN LAYDOWN YARD. CONTRACTOR SHALL PROVIDE PERIMETER BMP'S ON THE DOWNSTREAM SIDE OF THE LAYDOWN AREA.

SITE NOTES:

- THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING ALL PHASES OF CONSTRUCTION. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO CONSTRUCTION PHASES OF THE PROJECT.
- CONTRACTOR ASSUMES ALL LIABILITY IF ANY ACCIDENTS OR INJURIES OCCUR DUE TO EQUIPMENT BEING TURNED ON PREMATURELY OR BEFORE ALL PEDESTRIAN ACCESSES ARE IN PLACE AND FINALLY CONSTRUCTED.
- CONTRACTOR SHALL COORDINATE AND COMPLY WITH ALL UTILITY COMPANIES INVOLVED IN THE PROJECT AND PAY ALL REQUIRED FEES AND COSTS.
- ALL DISTURBED AREAS AND SLOPES SHALL BE GRADED SMOOTH, RECEIVE 4" OF TOP SOIL AND SOD. NO FINISHED GRADE SLOPES SHALL EXCEED 3:1.
- CONTRACTOR SHALL CONSTRUCT BMP'S TO PREVENT SILT RUNOFF.
- CONTRACTOR SHALL INSPECT, REPAIR AND MAINTAIN ALL EROSION CONTROL DEVICES THROUGHOUT ALL PHASES OF CONSTRUCTION.
- CONTRACTOR WILL BE RESPONSIBLE FOR SETTING UP UTILITY LOCATES FOR THE PROJECT AND ALL COORDINATION REQUIRED TO FULFILL THIS ITEM.
- BEFORE ANY EQUIPMENT IS TURNED ON FOR OPERATION, CONTRACTOR SHALL NOTIFY THE CITY OF BENTONVILLE TRANSPORTATION DEPARTMENT 5 DAYS IN ADVANCE.
- CONTRACTOR SHALL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGE TO EXISTING PAVEMENT STRIPING THAT IS TO TIE INTO PROPOSED STRIPING. IN THE EVENT OF DAMAGE, CONTRACTOR SHALL REPLACE ANY OF SAID STRIPING AT NO COST TO THE OWNER.

FOUNDATION NOTES:

- FOUNDATION MUST BE LEVEL AND SMOOTH.
- CONCRETE FOUNDATION SHALL BE PLACED IN UNDISTURBED SOIL.
- CONCRETE FOUNDATION SHOULD BE 2' BACK OF CURB MINIMUM WITH 4" TYPICAL TO FACE OF FOUNDATION. ANY DEVIATION FROM THESE DIMENSIONS WILL NEED TO BE REVIEWED AND APPROVED BY THE TRANSPORTATION DEPARTMENT.
- 2" REVEAL SHALL BE PROVIDED AND FINISH APPLIED FOR AESTHETICS.
- TOP OF BOLTS SHALL BE 2.5" ± 5" ABOVE THE FINISHED FOUNDATION SURFACE. CUTTING BOLTS TO LENGTH WILL NOT BE PERMITTED AND FOUNDATION MAY NEED TO BE REPLACED.
- GROUND ROD SHALL BE INSTALLED IN THE CENTER OF THE FOUNDATION AND SHALL BE 4" ABOVE THE FINISHED FOUNDATION SURFACE.
- 1C/#8 COPPER WIRE SHALL BE USED FOR GROUNDING. PROPER GROUNDING CLAMP OR WELD SHALL SECURE COPPER WIRE TO GROUNDING ROD. THE OTHER END OF THE COPPER WIRE SHALL TERMINATE AT GROUNDING LUG ON THE PEDESTAL BASE.
- GROUND WIRE RESISTANCE SHALL BE LESS THAN 25Ω. SUPPLEMENTAL GROUND RODS MAY BE NECESSARY IF MORE THAN 25Ω.

RRFB NOTES:

- RRFB'S SHALL BE CONSTRUCTED ACCORDING TO THESE DETAILS AND SPECIFICATIONS. ANY DEVIATION FROM THESE PLANS MUST BE APPROVED BY THE CITY OF BENTONVILLE TRANSPORTATION DEPARTMENT.
- ALL SIGNAGE FOR RRFB'S SHALL BE DIAMOND GRADE OR DG3 RETRO-REFLECTIVE SHEETING OF FLUORESCENT YELLOW GREEN (FYG) WITH 0.080 GAUGE ALUMINUM BACKING.
- ANY HOLES DRILLED INTO POLE SHALL BE DEBURRED USING A FILE OR A ROTARY TOOL.
- RRFB POLE SHALL BE PLUMB. POLES OUT OF PLUMB SHALL BE REMOVED AND A SOLUTION SHALL BE PRESENTED TO THE CITY OF BENTONVILLE TRAFFIC SIGNAL DIVISION.
- ADVANCED WARNING SIGNS ARE REQUIRED WITH THE INSTALLATION OF THE RRFB. ALL SIGNS MUST MEET MUTCD REQUIREMENTS AND BE APPROVED BY THE CITY OF BENTONVILLE.
- STOP SIGN MAY BE REQUIRED AT CROSSING. CONTACT THE CITY OF BENTONVILLE PARKS DEPARTMENT FOR MORE DETAILS.

REQUIRED INSPECTIONS:

BELOW ARE A LIST OF REQUIRED INSPECTIONS THAT WILL NEED TO BE PERFORMED BEFORE FINAL ACCEPTANCE WILL BE GIVEN:

- INITIAL STORMWATER BMP (IF GROUND IS BEING DISTURBED)
- CONDUITS (IF PART OF THE DESIGN)
- FOUNDATION LOCATION (LOCATES AND STAKING NEED TO BE IN PLACE)
- FOUNDATION FORMS AND REINFORCING STEEL
- FOUNDATION FORM REMOVAL (PERFORMED BEFORE BACKFILLING FOUNDATION)
- INITIAL START-UP
- FINAL INSPECTION

FINAL ACCEPTANCE:

DOCUMENTS REQUIRED BEFORE FINAL ACCEPTANCE OF THE PROJECT IS GIVEN:

- FINAL ENERGY BALANCE REPORT FOR EACH RRFB
- ENGINEERING ESTIMATE FOR CONSTRUCTION (ONLY IF PART OF A LSD OR PRELIM. PLAT)
- MAINTENANCE GUARANTY (IF REQUIRED)
- ALL MANUFACTURER WARRANTIES AND SUPPORTING DOCUMENTATION

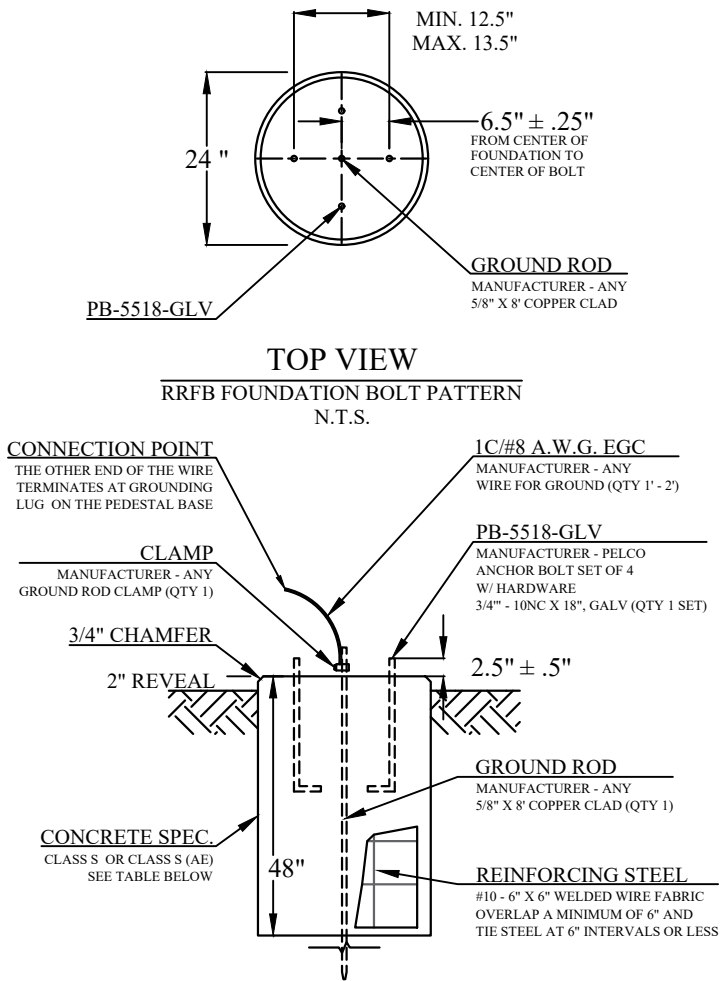


TABLE 802-1 - ARDOT SPECIFICATION (2014 ED.)		
CHARACTERISTIC	CLASS S	CLASS S (AE)
MIN. STRENGTH (PSI)	3500	4000
MIN. CEMENT (BAGS/CY)	6.50	6.50
MAX WATER (GAL/BAG)	5.50	5.00
SLUMP RANGE (IN.)	1" TO 4"	1" TO 4"
AIR CONTENT (%)	---	6 ± 2

SIDE VIEW

RRFB FOUNDATION WITH GROUND
N.T.S.



TRANSPORTATION DEPART.
3200 SW MUNICIPAL DRIVE
BENTONVILLE AR, 72712



ACA §§ 14-271-101 through 115
CHAPTER 271 - UNDERGROUND
FACILITIES DAMAGE PREVENTION ACT

PROJECT NAME:

PROJECT LOCATION / INTERSECTION:

BY	BW	BW		
DESCRIPTION	DEVELOPMENT OF RRFB DETAILS FOR CONSTRUCTION	CHANGED QTY OF PBF-9X12-B FROM 2 TO 1		
DATE	11/26/2018	9/24/2021		
REV	1.0	1.1		
DETAIL NAME: SOLAR POWER RRFB WITH PUSHBUTTON ACTUATION (BI-DIRECTIONAL)				
DETAIL #: RRFB-PUSH-1.1				
SHEET:				



To: City Council
From:
Thru:
Date: December 4, 2023

Subject: Mid-Block Crossing and RRFBs for new Construction @ SW 8th Street & Melissa Drive (LSD23-0047).
Mid-Block Crossing and RRFBs for new Construction @ SW 8th Street & Melissa Drive (LSD23-0047).

Recommendation for Action:

Background:

Budget Impact:

Attachments:

1. 8th St Gateway App
2. Traffic Study- 8th Street Gateway

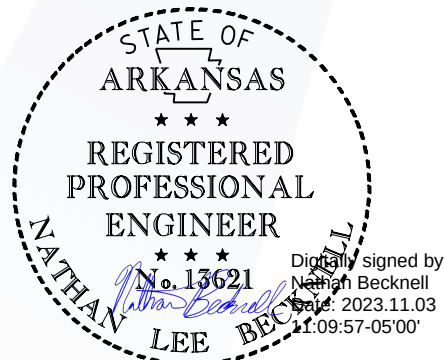


CROSSWALK COUNTERMEASURE ANALYSIS

**8th Street Gateway Park
Bentonville, Arkansas**

**Prepared for:
Ecological Design Group
November 2023**

**Prepared by:
Traffic Engineering Consultants, Inc.**



1.0 INTRODUCTION

Traffic Engineering Consultants, Inc. (TEC) was retained to conduct a crosswalk treatment analysis for the 8th Street Gateway Park in Bentonville, Arkansas. The analysis was requested to provide recommendations for countermeasures that may be necessary or appropriate for the project.

2.0 BACKGROUND

2.1 PROPOSED PROJECT

The proposed project is part of a new park that will include crossings of the existing SW 8th Street and Melissa Drive. Crossings are planned as shown in **Figure 1**. Existing conditions along SW 8th Street are typically two-lanes with dedicated bike lanes on the south side (recently converted from a five-lane section) and a posted speed limit of 35 miles per hour (mph). Melissa Drive is a two-lane roadway with a posted speed limit of 25 mph.

2.2 APPLICABLE CODES

According to ACA § 27-51-1804 "... a person lawfully operating a bicycle upon a crosswalk has all the rights and duties applicable to a pedestrian using the crosswalk under § 27-51-1202." According to ACA § 27-51-1202 "Where traffic control signals are not in place or in operation, the driver of a vehicle shall yield the right-of-way. Slowing down or stopping if need be to yield, to a pedestrian crossing the roadway within any marked crosswalk or within any unmarked crosswalk at an intersection..." In accordance with Arkansas law the recommendations of this analysis considers all existing intersections as containing crosswalks, marked and unmarked, with yield condition for motorized vehicles to all bicycles at crosswalks.

According to ACA § 27-51-1803 "A person operating a bicycle approaching a stop sign shall... Cautiously enter the intersection and yield the right-of-way... to other traffic lawfully using the intersection." In accordance with Arkansas law motorized vehicles are required to yield to bicycles in a crosswalk and bicycles are allowed to yield at stop signs, thus creating an ambiguous all-way yield intersection when stop signs are placed for trail users at a crosswalk. According to MUTCD 2B.09.03 "...Yield signs shall not be placed on all of the approaches to an intersection."

3.0 DATA COLLECTION

Existing traffic volume data was collected on the study roadways in October 2023. 24-hour volumes and speeds were collected at the proposed crossings. Based on the traffic data collected, SW 8th Street has an ADT of approximately 5,200 vehicles per day (vpd) and an 85th percentile speed of 41 mph for westbound traffic. Bicycle and pedestrian data were not obtained on SW 8th Street as it was assumed speeds would be less than motorized vehicles. Melissa Drive has an ADT of approximately 1,500 vpd and an 85th percentile speed of 27 mph. Detailed printouts of all the traffic count data are included in the appendix.

4.0 COUNTERMEASURE EVALUATION

4.1 METHOD AND SOURCES

Countermeasures were evaluated for crossing safety. The main sources used were the *Guide for Improving Pedestrian Safety at Uncontrolled Crossing Locations* (FHWA Guide), *Manual on Uniform Traffic Control Devices for Streets and Highways* (MUTCD), and the *AASHTO Policy on Geometric Design of Highways and Streets* (Green Book). The FHWA Guide addresses safety issues at uncontrolled pedestrian crossing locations through a process of identifying and evaluating countermeasures. The MUTCD offers technical guidance and warrants for traffic control including signage, striping, and signals. The Greenbook provides policy for geometric conditions including stopping sight distance. As previously mentioned, bicycles are treated similarly to pedestrians at crosswalks under Arkansas law. All documents are approved and distributed by the U.S. Department of Transportation, Federal Highway Administration. The FHWA Guide is a comprehensive guide for crosswalks and was used for selection of recommended enhancements. All selected recommendations were also reviewed for compliance with the MUTCD. Recommendations and considerations regarding the crosswalk enhancements are included below and are based primarily upon guidance from the FHWA Guide.

4.2 FINDINGS

4.2.1 SW 8th Street Crossing

The proposed crossing of SW 8th Street is midblock. SW 8th Street currently has two-lanes with dedicated bike lanes on the south side (recently converted from a five-lane section). There is an overhead light present near the proposed crossing, though it is unclear if the existing lighting would be sufficient for proper crossing illumination. The SW 8th Street approaches are controlled with the following characteristics:

- ADT: 5,200 vpd
- 85% Speed: 41 mph (WB)
- Section: 2 Lanes

The FHWA Guide recommends the following countermeasures for the crossing as either candidate treatments or as treatments that should always occur or be considered. Specific recommendations are listed in the conclusion.

- Should Always Occur:
 - High visibility crosswalk markings, parking restrictions on crosswalk approach, adequate nighttime lighting levels, and crosswalk warning signs
- Should Always Consider:
 - Rectangular Rapid-Flashing Beacon (RRFB)
 - Pedestrian Hybrid Beacon (PHB)
- Candidate Treatment:
 - Curb Extension
 - Pedestrian Refuge Island

The proposed crosswalk for SW 8th Street should be considered for markings and signage, illumination lighting, and enhanced signage with a Rectangular Rapid-Flashing Beacon (RRFB). Existing pedestrian volumes are unlikely to warrant the installation of a Pedestrian Hybrid Beacon (PHB) but might be considered in the future after conditions adjust to the new improvements. Specific recommendations are listed in Section 5.2.

For speeds of 41 mph the Green Book recommends a stopping sight distance of 313-feet. The proposed crossing location of SW 8th Street has adequate vehicle stopping sight distance.

4.2.2 *Melissa Drive*

The proposed crossing of Melissa Drive is approximately 150 feet south of its intersection with SW 8th Street. There is some overhead lighting along Melissa Drive, though it is unclear if the existing lighting would be sufficient for proper crossing illumination. The Melissa Drive approaches are controlled with the following characteristics:

- ADT: 1,500 vpd
- 85% Speed: 27 mph
- Section: 2 Lanes

The FHWA Guide recommends the following countermeasures for the crossing as either candidate treatments or as treatments that should always be considered. Specific recommendations are listed in the conclusion.

- Should Always Consider:
 - High visibility crosswalk markings, parking restrictions on crosswalk approach, adequate nighttime lighting levels, and crosswalk warning signs
- Candidate Treatment:
 - Raised crosswalk
 - In-street Pedestrian Crossing sign
 - Curb Extension
 - Pedestrian Refuge Island

The proposed crosswalk for Melissa Drive should be considered for markings and signage, and illumination lighting. Specific recommendations are listed in Section 5.2.

For speeds of 27 mph the Green Book recommends a stopping sight distance of 170-feet. The proposed crossing location of Melissa has adequate vehicle stopping sight distance.

5.0 CONCLUSION

5.1 SUMMARY

Traffic Engineering Consultants, Inc. (TEC) was retained to conduct a crosswalk treatment analysis as part of a park project to be constructed in Bentonville, Arkansas. The analysis was requested to provide recommendations for countermeasures that may be necessary or appropriate to accommodate the project. The analysis primarily uses the FHWA Guide which recommends specific enhancements based on measured speed, traffic volumes, and roadway configuration. Based on this guidance and the results of the analyses conducted, improvements, as outlined below and on **Figures 2 thru 3**, are possible recommendations at the study locations.

5.2 RECOMMENDATIONS

5.2.1 *SW 8th Street*

- High visibility crosswalk markings should be installed in accordance with MUTCD 3B.18.
- Install Rectangular Rapid-Flashing Beacons (RRFB) in accordance with MUTCD (1A-21). Signage should be installed in accordance with MUTCD 9B.18 with a combination W11-15/W16-7P (standard yellow).
- Install or verify sufficient overhead lighting.

5.2.2 *Melissa Drive*

- High visibility crosswalk markings should be installed in accordance with MUTCD 3B.18.
- Signage should be installed in accordance with MUTCD 9B.18 with a combination W11-15/W16-7P (standard yellow).
- Install or verify sufficient overhead lighting.

5.3 ADDITIONAL REQUIREMENTS

- The City of Bentonville Traffic Safety and Signage Committee typically requires the installation of stop signs, MUTCD R1-1, for trail users at similar crosswalks. This requirement is not recommended primarily due to the ambiguity described in the Applicable Codes section.
- The City of Bentonville Traffic Safety and Signage Committee typically requires the installation of additional W11-15/W16-7P signage so that there is a sign for both directions of travel. The signs may share the post for opposing directions.

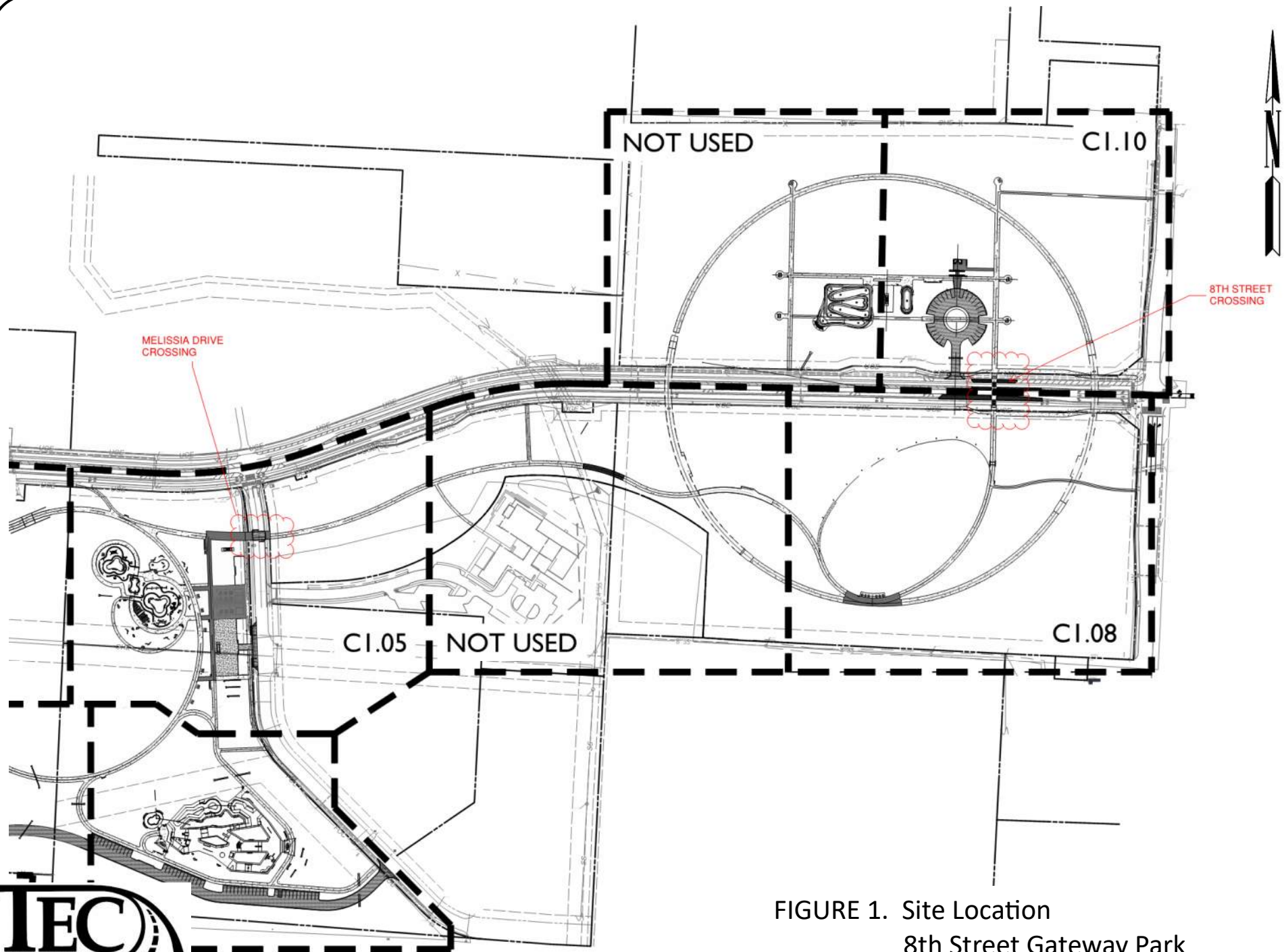


FIGURE 1. Site Location
8th Street Gateway Park

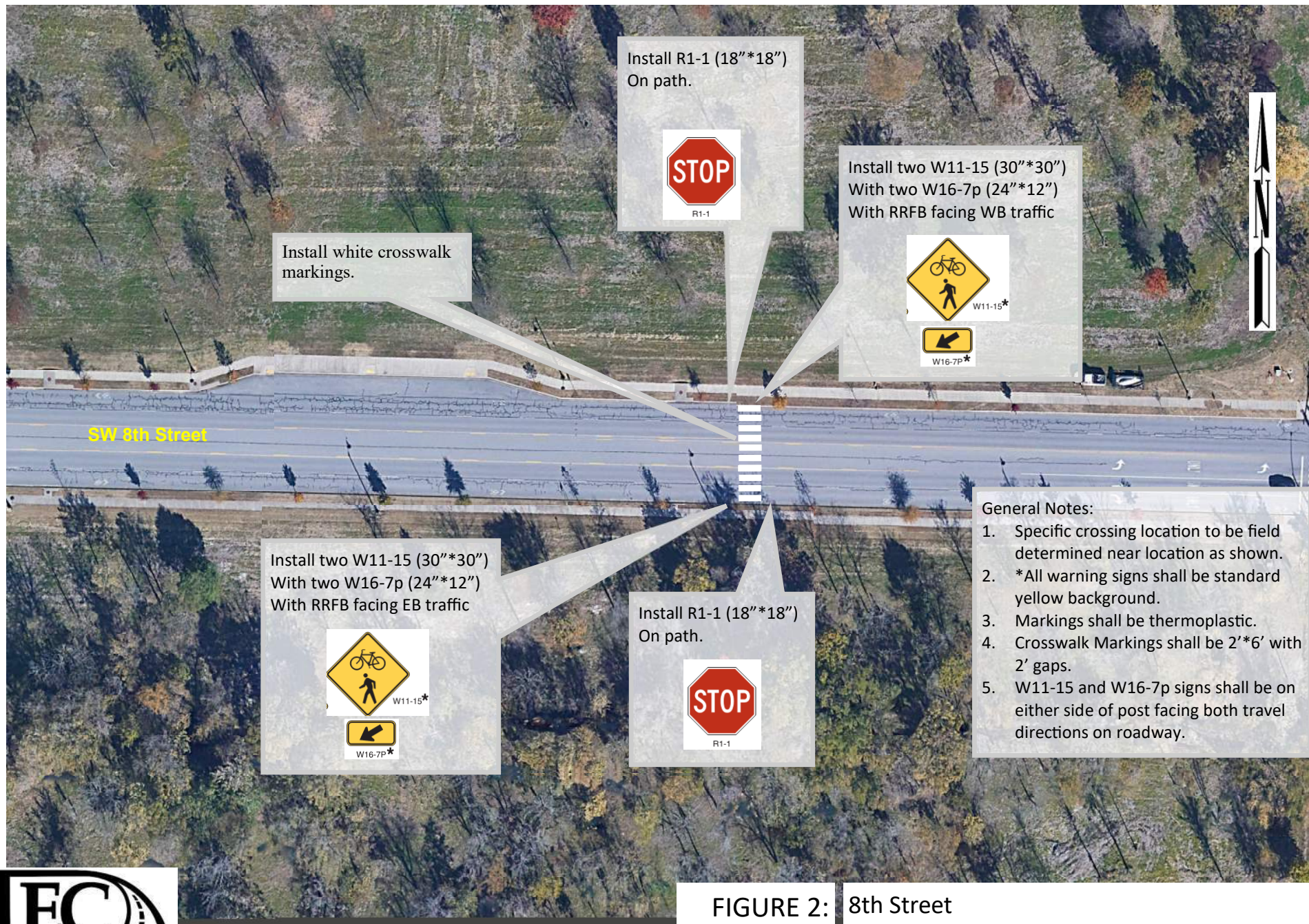


FIGURE 2: 8th Street
Crosswalk Plan





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Fayetteville, AR. 72701

29363
SW 8th St West of I St.
10-24-23
10-25-23

Direction: EB

10-24-23 Time	0 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 - 40 MPH	> 40 - 45 MPH	> 45 - 50 MPH	> 50 - 55 MPH	> 55 - 60 MPH	> 60 - 65 MPH	> 65 - 70 MPH	> 70 MPH	Total
12:00 AM	*	*	*	*	*	*	*	*	*	*	*	*	*	0
1:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
2:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
3:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
4:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
5:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
6:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
7:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
8:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
9:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
12:00 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	0
1:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
2:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
3:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
4:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
5:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
6:00	1	0	1	20	36	29	5	0	0	0	0	0	0	92
7:00	0	0	0	11	24	24	4	0	0	0	0	0	0	63
8:00	0	0	0	10	10	7	5	0	0	0	0	0	0	32
9:00	0	0	0	5	9	10	1	0	0	0	0	0	0	25
10:00	0	0	0	1	5	5	0	0	0	0	0	0	0	11
11:00	0	0	0	2	2	3	0	0	0	0	0	0	0	7
Total	1	0	1	49	86	78	15	0	0	0	0	0	0	230



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29363
SW 8th St West of I St.
10-24-23
10-25-23

Direction: EB

10-25-23	> 15 - 20	> 20 - 25	> 25 - 30	> 30 - 35	> 35 - 40	> 40 - 45	> 45 - 50	> 50 - 55	> 55 - 60	> 60 - 65	> 65 - 70	> 70 MPH	Total
Time 0 - 15 MPH MPH MPH MPH MPH MPH MPH MPH MPH MPH MPH MPH													
12:00 AM	0	0	0	0	3	0	0	0	0	0	0	0	3
1:00	0	0	0	0	0	1	0	0	0	0	0	0	1
2:00	0	0	0	1	0	0	0	0	0	0	0	0	1
3:00	0	0	0	0	0	3	0	0	0	0	0	0	3
4:00	0	0	0	2	2	5	1	2	0	0	0	0	12
5:00	0	0	0	4	6	14	6	4	0	0	0	0	34
6:00	0	0	0	21	57	48	7	1	0	0	0	0	134
7:00	71	107	115	119	106	47	4	0	0	0	0	0	569
8:00	0	5	6	47	127	72	11	0	0	0	0	0	268
9:00	0	0	0	7	54	47	4	1	0	0	0	0	113
10:00	1	0	3	12	41	31	9	0	0	0	0	0	97
11:00	0	0	0	0	9	14	3	0	0	0	0	0	26
12:00 PM	0	0	1	2	8	6	2	0	0	0	0	0	19
1:00	0	0	0	1	14	13	8	1	1	0	0	0	38
2:00	0	0	0	6	7	6	0	0	0	0	0	0	19
3:00	0	0	0	1	10	12	5	0	0	0	0	0	28
4:00	1	0	3	12	36	23	6	0	0	0	0	0	81
5:00	0	0	0	10	31	37	6	0	0	0	0	0	84
6:00	0	0	4	8	34	39	9	2	0	0	0	0	96
7:00	*	*	*	*	*	*	*	*	*	*	*	*	0
8:00	*	*	*	*	*	*	*	*	*	*	*	*	0
9:00	*	*	*	*	*	*	*	*	*	*	*	*	0
10:00	*	*	*	*	*	*	*	*	*	*	*	*	0
11:00	*	*	*	*	*	*	*	*	*	*	*	*	0
Total	73	112	132	253	545	418	81	11	1	0	0	0	1626
Grand Total	74	112	133	302	631	496	96	11	1	0	0	0	1856
Stats	Percentile												
	Speed												
	Mean Speed (Average)												
	10 MPH Pace Speed												
	Number in Pace												
	Percent in Pace												
	Number > 45 MPH												
	Percent > 45 MPH												



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SW 8th St West of I St.
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10-25-23

Direction: WB

10-24-23 Time	0 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 - 40 MPH	> 40 - 45 MPH	> 45 - 50 MPH	> 50 - 55 MPH	> 55 - 60 MPH	> 60 - 65 MPH	> 65 - 70 MPH	> 70 MPH	Total
12:00 AM	*	*	*	*	*	*	*	*	*	*	*	*	*	0
1:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
2:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
3:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
4:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
5:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
6:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
7:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
8:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
9:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
12:00 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	0
1:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
2:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
3:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
4:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
5:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
6:00	0	0	0	7	37	86	26	3	0	0	0	0	0	159
7:00	0	0	0	3	60	86	23	2	0	0	0	0	0	174
8:00	0	0	0	5	28	57	11	3	1	2	0	0	0	107
9:00	0	0	0	3	16	25	12	1	0	0	0	0	0	57
10:00	0	0	0	1	15	11	2	0	1	0	0	0	0	30
11:00	0	0	0	1	6	7	7	0	0	1	0	0	0	22
Total	0	0	0	20	162	272	81	9	2	3	0	0	0	549



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29363
SW 8th St West of I St.
10-24-23
10-25-23

Direction: WB

10-25-23 Time	0 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 - 40 MPH	> 40 - 45 MPH	> 45 - 50 MPH	> 50 - 55 MPH	> 55 - 60 MPH	> 60 - 65 MPH	> 65 - 70 MPH	> 70 MPH	Total
12:00 AM	0	0	1	0	2	2	1	0	0	0	0	0	0	6
1:00	0	0	0	1	1	1	1	0	0	0	0	0	0	4
2:00	0	0	0	0	2	4	0	0	0	0	0	0	0	6
3:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00	0	0	0	0	0	2	1	0	0	0	0	0	0	3
5:00	0	0	0	1	1	4	1	0	0	0	0	0	0	7
6:00	0	0	0	1	6	13	3	0	0	0	0	0	0	23
7:00	4	4	2	3	31	49	14	3	0	0	0	0	0	110
8:00	4	1	0	4	21	52	21	2	0	0	0	0	0	105
9:00	2	1	1	5	18	42	9	1	0	0	0	0	0	79
10:00	2	1	3	3	40	51	16	1	0	0	0	0	0	117
11:00	2	0	0	10	44	91	36	4	1	1	0	0	0	189
12:00 PM	5	1	2	6	33	91	45	6	0	1	0	0	0	190
1:00	0	1	1	0	39	100	50	3	1	0	0	0	0	195
2:00	3	0	0	3	59	121	59	9	1	0	0	0	0	255
3:00	5	1	1	6	69	166	65	5	1	0	0	0	0	319
4:00	1	2	2	13	89	184	73	8	1	2	0	0	0	375
5:00	3	0	0	8	158	293	71	8	2	0	0	0	0	543
6:00	0	1	1	5	77	121	44	4	1	0	0	0	0	254
7:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
8:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
9:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
Total	31	13	14	69	690	1387	510	54	8	4	0	0	0	2780
Grand Total	31	13	14	89	852	1659	591	63	10	7	0	0	0	3329
Stats	Percentile													
	Speed													
	Mean Speed (Average)													
	10 MPH Pace Speed													
	Number in Pace													
	Percent in Pace													
	Number > 45 MPH													
	Percent > 45 MPH													



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28657
Mellisa Dr. South of 8th
10-23-23
10-24-23

Direction: NB

10-23-23 Time	0 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 - 40 MPH	> 40 - 45 MPH	> 45 - 50 MPH	> 50 - 55 MPH	> 55 - 60 MPH	> 60 - 65 MPH	> 65 - 70 MPH	> 70 MPH	Total
12:00 AM	*	*	*	*	*	*	*	*	*	*	*	*	*	0
1:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
2:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
3:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
4:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
5:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
6:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
7:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
8:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
9:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
12:00 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	0
1:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
2:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
3:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
4:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
5:00	4	11	21	14	2	0	0	0	0	0	0	0	0	52
6:00	0	4	6	7	0	0	0	0	0	0	0	0	0	17
7:00	0	0	2	5	0	0	0	0	0	0	0	0	0	7
8:00	0	0	1	1	1	0	0	0	0	0	0	0	0	3
9:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1
10:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	4	15	30	28	3	0	0	0	0	0	0	0	0	80



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28657
Mellisa Dr. South of 8th
10-23-23
10-24-23

Direction: NB

10-24-23	> 15 - 20	> 20 - 25	> 25 - 30	> 30 - 35	> 35 - 40	> 40 - 45	> 45 - 50	> 50 - 55	> 55 - 60	> 60 - 65	> 65 - 70	> 70 MPH	Total
Time 0 - 15 MPH MPH MPH MPH MPH MPH MPH MPH MPH MPH MPH MPH													
12:00 AM	0	0	0	1	0	0	0	0	0	0	0	0	1
1:00	0	1	2	0	0	0	0	0	0	0	0	0	3
2:00	0	0	2	1	0	0	0	0	0	0	0	0	3
3:00	0	0	1	0	0	0	0	0	0	0	0	0	1
4:00	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00	0	0	1	1	1	0	0	0	0	0	0	0	3
6:00	0	0	2	0	0	0	0	0	0	0	0	0	2
7:00	9	12	6	4	1	0	0	0	0	0	0	0	32
8:00	1	4	9	5	0	0	0	0	0	0	0	0	19
9:00	3	3	5	5	0	0	0	0	0	0	0	0	16
10:00	0	4	11	3	2	0	0	0	0	0	0	0	20
11:00	1	6	17	9	4	0	0	0	0	0	0	0	37
12:00 PM	2	10	15	17	1	0	0	0	0	0	0	0	45
1:00	0	8	7	11	0	0	0	0	0	0	0	0	26
2:00	10	19	16	7	1	0	0	0	0	0	0	0	53
3:00	14	44	43	11	2	0	0	0	0	0	0	0	114
4:00	3	20	33	32	7	0	0	0	0	0	0	0	95
5:00	3	22	38	18	5	0	0	0	0	0	0	0	86
6:00	*	*	*	*	*	*	*	*	*	*	*	*	0
7:00	*	*	*	*	*	*	*	*	*	*	*	*	0
8:00	*	*	*	*	*	*	*	*	*	*	*	*	0
9:00	*	*	*	*	*	*	*	*	*	*	*	*	0
10:00	*	*	*	*	*	*	*	*	*	*	*	*	0
11:00	*	*	*	*	*	*	*	*	*	*	*	*	0
Total	46	153	208	125	24	0	0	0	0	0	0	0	556
Grand Total	50	168	238	153	27	0	0	0	0	0	0	0	636

Stats	Percentile	15th	50th	85th	95th
	Speed	16	21.7	26.4	28.9
	Mean Speed (Average)	21.7			
	10 MPH Pace Speed	16-25			
	Number in Pace	403			
	Percent in Pace	63.4%			
	Number > 45 MPH	0			
	Percent > 45 MPH	0.0%			



Traffic Engineering Consultants, Inc.

217 E. Dickson st., Suite 106

Fayetteville, AR. 72701

28657
Mellisa Dr. South of 8th
10-23-23
10-24-23

Direction: SB

10-23-23 Time	0 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 - 40 MPH	> 40 - 45 MPH	> 45 - 50 MPH	> 50 - 55 MPH	> 55 - 60 MPH	> 60 - 65 MPH	> 65 - 70 MPH	> 70 MPH	Total
12:00 AM	*	*	*	*	*	*	*	*	*	*	*	*	*	0
1:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
2:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
3:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
4:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
5:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
6:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
7:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
8:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
9:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
12:00 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	0
1:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
2:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
3:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
4:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
5:00	0	5	9	8	0	0	0	0	0	0	0	0	0	22
6:00	0	0	3	1	0	1	0	0	0	0	0	0	0	5
7:00	0	0	0	1	1	0	0	0	0	0	0	0	0	2
8:00	0	0	0	2	0	0	0	0	0	0	0	0	0	2
9:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1
11:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Total	0	5	12	14	1	1	0	0	0	0	0	0	0	33



Traffic Engineering Consultants, Inc.

217 E. Dickson st., Suite 106

Fayetteville, AR. 72701

28657
Mellisa Dr. South of 8th
10-23-23
10-24-23

Direction: SB

10-24-23 Time	0 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 - 40 MPH	> 40 - 45 MPH	> 45 - 50 MPH	> 50 - 55 MPH	> 55 - 60 MPH	> 60 - 65 MPH	> 65 - 70 MPH	> 70 MPH	Total
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
2:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1
3:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
4:00	0	0	3	3	0	0	0	0	0	0	0	0	0	6
5:00	0	0	0	2	3	0	0	0	0	0	0	0	0	5
6:00	0	2	16	12	1	0	0	0	0	0	0	0	0	31
7:00	1	18	169	114	8	0	0	0	0	0	0	0	0	310
8:00	0	10	31	26	5	0	0	0	0	0	0	0	0	72
9:00	1	2	10	0	0	0	0	0	0	0	0	0	0	13
10:00	1	1	7	3	3	1	0	0	0	0	0	0	0	16
11:00	0	5	17	5	3	0	0	0	0	0	0	0	0	30
12:00 PM	1	4	18	10	0	0	0	0	0	0	0	0	0	33
1:00	0	6	18	8	1	0	0	0	0	0	0	0	0	33
2:00	1	11	59	49	3	0	0	0	0	0	0	0	0	123
3:00	2	16	43	29	3	0	0	0	0	0	0	0	1	94
4:00	0	3	19	14	4	0	0	0	0	0	0	0	0	40
5:00	1	4	12	15	1	0	0	0	0	0	0	0	0	33
6:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
7:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
8:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
9:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
Total	8	83	423	290	36	1	0	0	0	0	0	0	1	842
Grand Total	8	88	435	304	37	2	0	0	0	0	0	0	1	875
Stats	Percentile													
	Speed													
	Mean Speed (Average)													
	10 MPH Pace Speed													
	Number in Pace													
	Percent in Pace													
	Number > 45 MPH													
	Percent > 45 MPH													



Traffic Engineering Consultants, Inc.

217 E. Dickson st., Suite 106

Fayetteville, AR. 72701

28657
Mellisa Dr. South of 8th
10-23-23
10-24-23

Direction: Combined

10-23-23 Time	0 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 - 40 MPH	> 40 - 45 MPH	> 45 - 50 MPH	> 50 - 55 MPH	> 55 - 60 MPH	> 60 - 65 MPH	> 65 - 70 MPH	> 70 MPH	Total
12:00 AM	*	*	*	*	*	*	*	*	*	*	*	*	*	0
1:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
2:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
3:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
4:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
5:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
6:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
7:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
8:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
9:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
12:00 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	0
1:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
2:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
3:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
4:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
5:00	4	16	30	22	2	0	0	0	0	0	0	0	0	74
6:00	0	4	9	8	0	1	0	0	0	0	0	0	0	22
7:00	0	0	2	6	1	0	0	0	0	0	0	0	0	9
8:00	0	0	1	3	1	0	0	0	0	0	0	0	0	5
9:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1
10:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1
11:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Total	4	20	42	42	4	1	0	0	0	0	0	0	0	113



Traffic Engineering Consultants, Inc.

217 E. Dickson st., Suite 106

Fayetteville, AR. 72701

28657
Mellisa Dr. South of 8th
10-23-23
10-24-23

Direction: Combined

10-24-23	> 15 - 20	> 20 - 25	> 25 - 30	> 30 - 35	> 35 - 40	> 40 - 45	> 45 - 50	> 50 - 55	> 55 - 60	> 60 - 65	> 65 - 70	> 70 MPH	Total
Time 0 - 15 MPH MPH MPH MPH MPH MPH MPH MPH MPH MPH MPH MPH													
12:00 AM	0	0	0	1	0	0	0	0	0	0	0	0	1
1:00	0	2	2	0	0	0	0	0	0	0	0	0	4
2:00	0	0	2	1	1	0	0	0	0	0	0	0	4
3:00	0	0	2	0	0	0	0	0	0	0	0	0	2
4:00	0	0	3	3	0	0	0	0	0	0	0	0	6
5:00	0	0	1	3	4	0	0	0	0	0	0	0	8
6:00	0	2	18	12	1	0	0	0	0	0	0	0	33
7:00	10	30	175	118	9	0	0	0	0	0	0	0	342
8:00	1	14	40	31	5	0	0	0	0	0	0	0	91
9:00	4	5	15	5	0	0	0	0	0	0	0	0	29
10:00	1	5	18	6	5	1	0	0	0	0	0	0	36
11:00	1	11	34	14	7	0	0	0	0	0	0	0	67
12:00 PM	3	14	33	27	1	0	0	0	0	0	0	0	78
1:00	0	14	25	19	1	0	0	0	0	0	0	0	59
2:00	11	30	75	56	4	0	0	0	0	0	0	0	176
3:00	16	60	86	40	5	0	0	0	0	0	0	1	208
4:00	3	23	52	46	11	0	0	0	0	0	0	0	135
5:00	4	26	50	33	6	0	0	0	0	0	0	0	119
6:00	*	*	*	*	*	*	*	*	*	*	*	*	0
7:00	*	*	*	*	*	*	*	*	*	*	*	*	0
8:00	*	*	*	*	*	*	*	*	*	*	*	*	0
9:00	*	*	*	*	*	*	*	*	*	*	*	*	0
10:00	*	*	*	*	*	*	*	*	*	*	*	*	0
11:00	*	*	*	*	*	*	*	*	*	*	*	*	0
Total	54	236	631	415	60	1	0	0	0	0	0	1	1398
Grand Total	58	256	673	457	64	2	0	0	0	0	0	1	1511

Stats	Percentile	15th	50th	85th	95th
	Speed	18.9	23.4	26.9	29.5
	Mean Speed (Average)	23.2			
	10 MPH Pace Speed	20-29			
	Number in Pace	1126			
	Percent in Pace	74.5%			
	Number > 45 MPH	1			
	Percent > 45 MPH	0.1%			



Traffic, Signage and Safety Agenda Request Form
Committee Meetings: First Monday of Each Month

City Contact: Tracy Billings
tbillings@bentonvillear.com
(479)696-0229

Name: Xuejiao Zhang Email: joeniezhang@gmail.com
Address: 3705 SW Radiance Ave, Bentonville Phone Number: 612-751-2371
72713

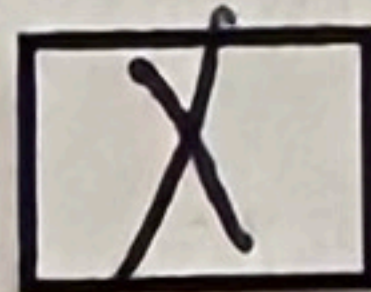


Temporary Street Closure Request: Reason or Name of Event, Dates & Times of Closure and Map of the Detour/Closure required.

*Prior to submitting application contact:

Lt. Glynn Bertrand (479)418-8610 or Sgt. Josh Carlson (479)531-5889

Requires 90 days notice prior to the event date



Traffic Calming Request: Signals, Signage, Trails and Crosswalks w/description of need.

May require Neighborhood Notification Petition

May require traffic study and/or neighbor notifications

Need Traffic Calming on the corners of SW Windmill + S Morning Star Rd and SW Windmill + 112, congestion is a daily occurrence, especially during morning of school drop-offs and afternoon pick-ups. I kindly request an assessment to add all-way stop signs at both intersections. Additionally, I'd like to draw attention to overgrown trees, bushes and weeds obstruct driver's visibility, very dangerous. Thanks.

Find more information concerning Run Rules/Traffic Calming on the TRANSPORTATION PAGE @ bentonvillear.com

Applicant Signature: Xuejiao Zhang

Date: Nov 20th 2023

Neighbor Petition Notification Form

A common concern of neighborhood residents is the parking, volume, and speed of traffic on local residential streets. Traffic calming techniques are designed to help address these concerns.

For more information on Bentonville's Traffic Calming Policy and Committee, visit

<http://bentonvillear.com/1406/Traffic-Safety-and-Signage-Committee>

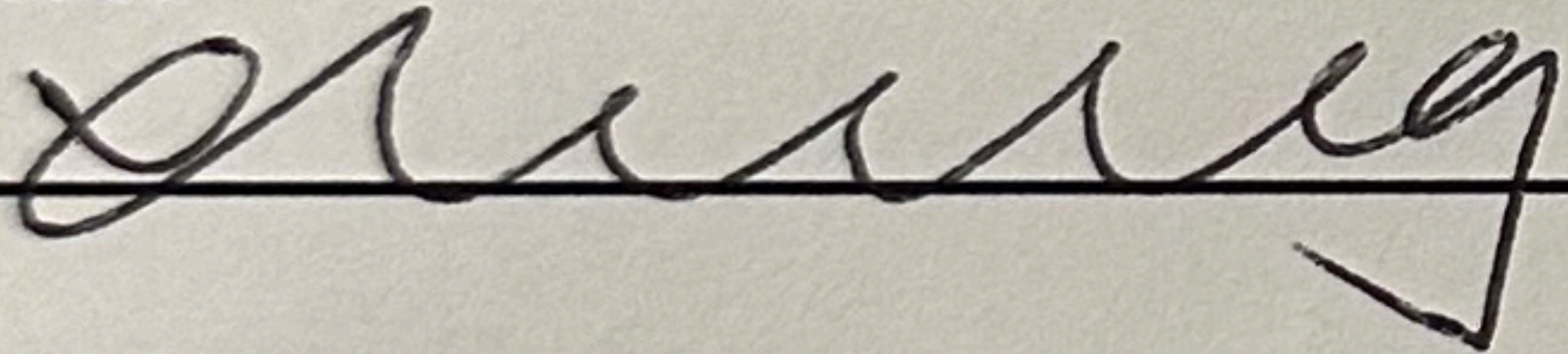
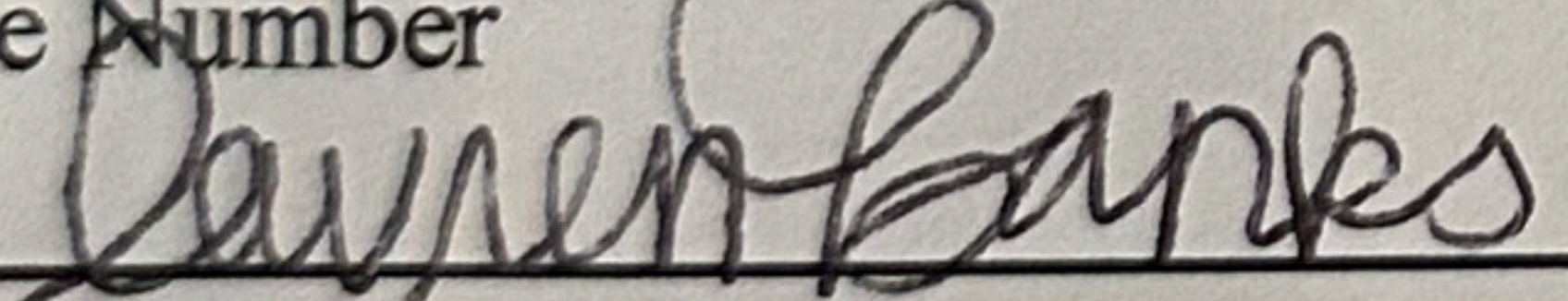
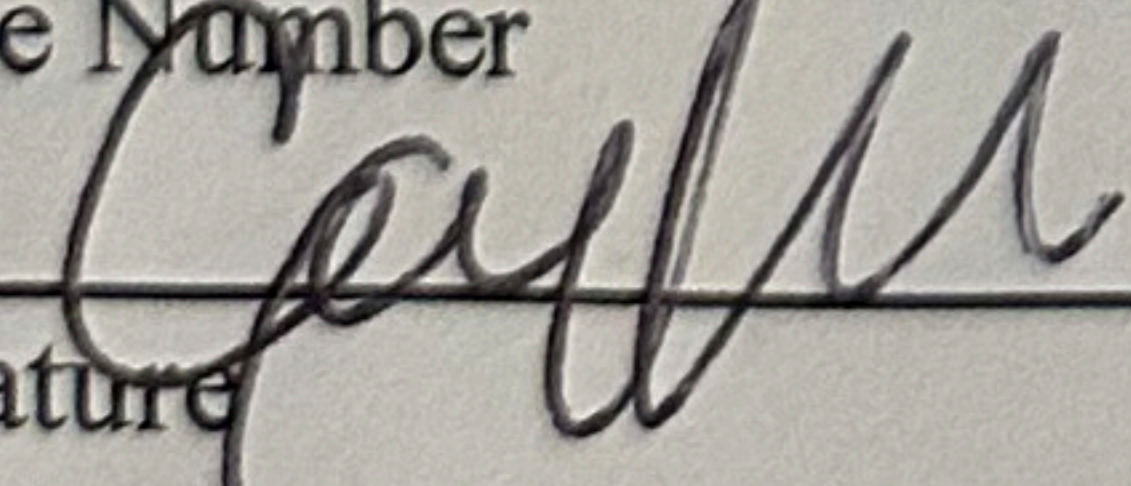
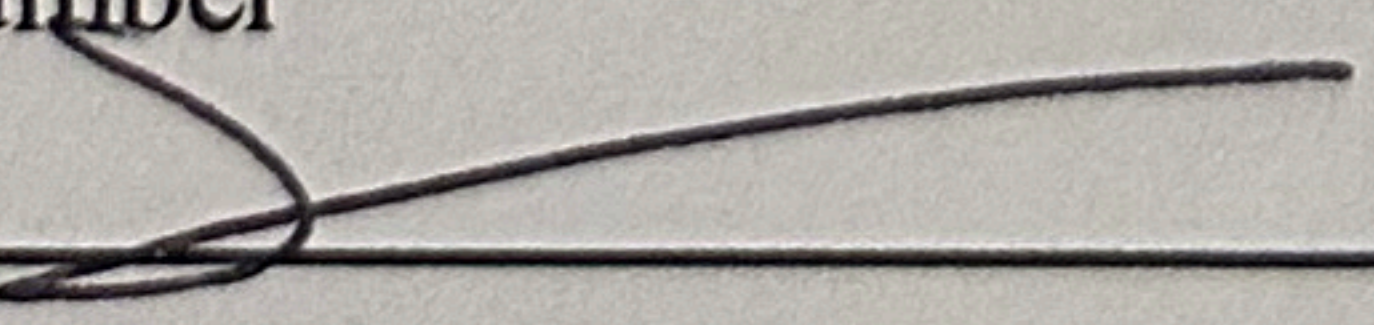
Address/Intersection of Concern: ① SW Windmill + S Morning Star Rd ② SW Windmill + 112

Description of the Proposed Traffic Calming Request:

***Must include a statement and/or drawing describing the proposed traffic calming measures.**

Need Traffic Calmings on both intersections, where congestion is a daily occurrence, especially during morning and afternoon school drop-off and pick-ups. I kindly request an assessment to add ALL-WAY STOP Signs at both intersections. Additionally, I'd like to draw attention to overgrown trees, bushes, and weeds obstruct driver's visibility. Very dangerous. Thanks

Signature below is in favor of the Request as stated on this form.

Resident Name (Print) Xuejiao Zhang	Address 3705 SW Radance Ave. Bentonville
Phone Number 612 751 2371	Email Address joeniezhang@gmail.com
Signature 	Date 11/20/2023
Resident Name (Print) Lauren Banks	Address mrslaurenbanks@gmail.com
Phone Number 817-903-9013	Email Address 3708 SW Sunbeam Ave Bentonville, AR 72713
Signature 	Date 11/21/2023
Resident Name (Print) Michelle Gonzalez	Address 6501 SW Downing Park St
Phone Number 479 6570601	Email Address houseofmichaela@gmail.com
Signature 	Date 11/21/2023
Resident Name (Print) Jose da Irma Carano machado	Address 5901 Macasin St.
Phone Number 479 899 5363	Email Address jose.jag.gonzalez@gmail.com
Signature 	Date 11/21/2023



Traffic, Signage and Safety Agenda Request Form

Committee Meetings: First Monday of Each Month

City Contact: Tracy Billings

tbillings@bentonvillear.com

(479)696-0229

Name: Stephanie Marpe - Downtown Bentonville Inc

Email: Stephanie@downtownbentonville.org

Address: 103 S. Main Street, Bentonville AR

Phone Number: 479-282-5027



Temporary Street Closure Request: Reason or Name of Event, Dates & Times of Closure and Map of the Detour/Closure required.

*Prior to submitting application contact:

Lt. Glynn Bertrand (479)418-8610 or Sgt. Josh Carlson (479)531-5889

Requires 90 days notice prior to the event date

Attached is DBI's proposal for First Friday events in 2024. Dates include April 5th, May 3rd, June 7th, July 5th, August 2nd, September 6th, October 4th, November 1st.

Our request is for the closure of Main Street (from SE 2nd to Legion), NW 2nd Street (from NW A Street to NE A street), NE A Street (from NW 2nd street to Central) and W Central (from NW A Street to SE B Street).

This will be a staggered closure with the north side of the closures happening at 5am (as in years past) and the south side of the closures happening at 10am (see map). All parking within the closures will be unavailable at starting at 5am.

The addition of Central is in respond to the overwhelming foot traffic at the intersection of Main and Central.

Additional signage will be place along the detour routes as well as signage alerting attendees to the closest parking. Handicap parking has been reserved and an accessible shuttle will be available from 4pm-8pm.



Traffic Calming Request: Signals, Signage, Trails and Crosswalks w/description of need.

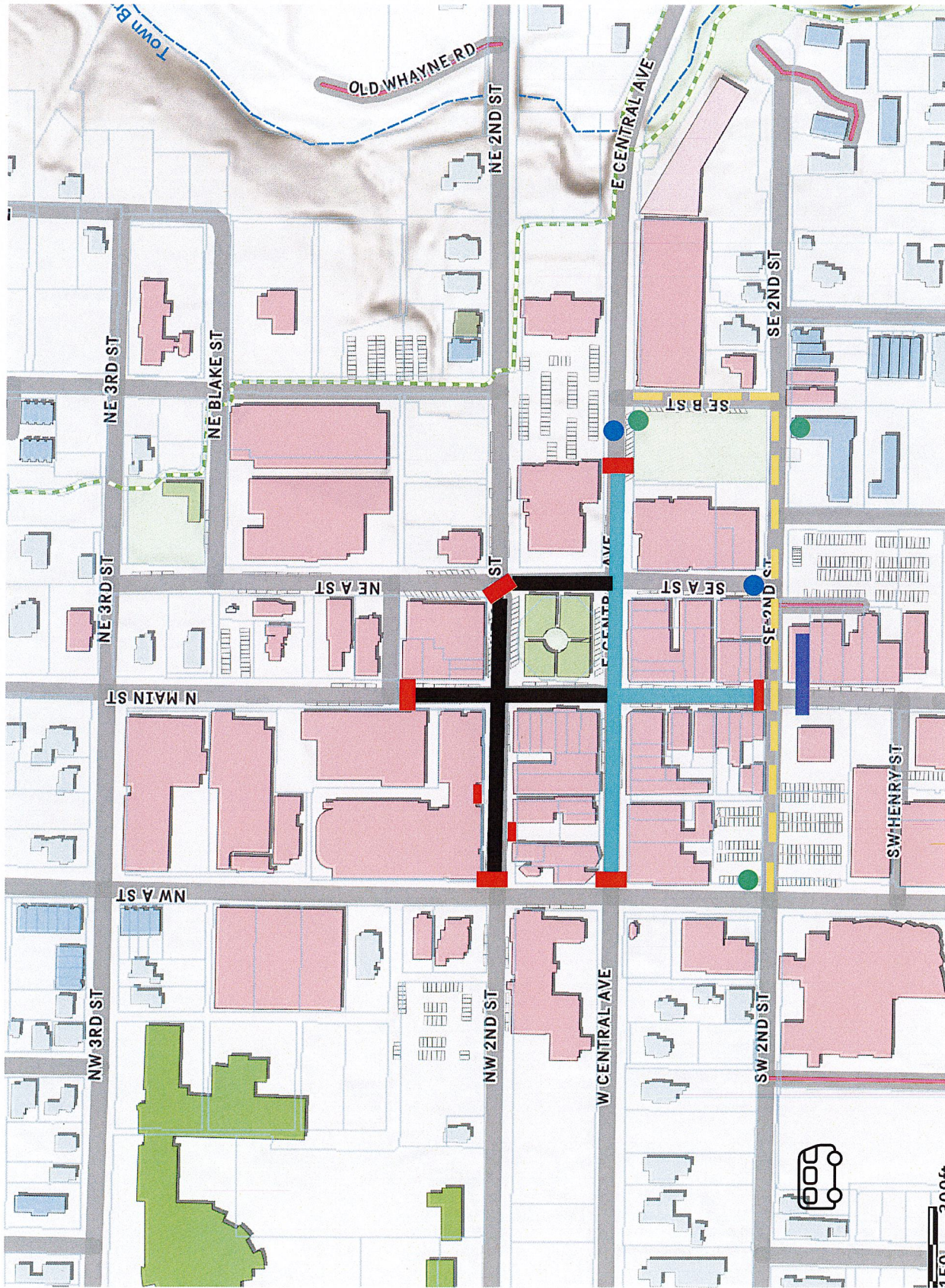
****May require Neighborhood Notification Petition****

May require traffic study and/or neighbor notifications

Find more information concerning Run Rules/Traffic Calming on the TRANSPORTATION PAGE @ bentonvillear.com

Applicant Signature: Stephanie Marpe

Date: 11/21/23



- Road Closure
- Road Closure 5:30am
- Road Closure 10:00am
- Parking Closed at 5:30am
- Detour Route
- Detour signage
- "Road Closed Ahead" signage
- Reserved Handicap Parking
- Accessible Shuttle Pickup

SAMPLE SIGNAGE



**PUBLIC
EVENT
PARKING**

Scan For Parking Map



**DOWNTOWN
BENTONVILLE**
INCORPORATED

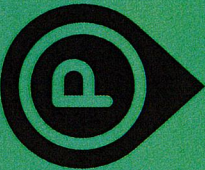


**CLOSEST
PARKING
2102 GARAGE**

Scan For Parking Map



**DOWNTOWN
BENTONVILLE**
INCORPORATED



**CLOSEST
PARKING
LEDGER GARAGE**

Scan For Parking Map



**DOWNTOWN
BENTONVILLE**
INCORPORATED



Traffic, Signage and Safety Agenda Request Form

Committee Meetings: First Monday of Each Month

City Contact: Tracy Billings

tbillings@bentonvillear.com

(479)696-0229

Name: Stephanie Marpe - Downtown Bentonville Inc

Email: Stephanie@downtownbentonville.org

Address: 103 S. Main Street, Bentonville AR

Phone Number: 479-282-5027



Temporary Street Closure Request: Reason or Name of Event, Dates & Times of Closure and Map of the Detour/Closure required.

*Prior to submitting application contact:

Lt. Glynn Bertrand (479)418-8610 or Sgt. Josh Carlson (479)531-5889

Requires 90 days notice prior to the event date

Attached is DBI's proposal for Saturday Farmers Market events in 2024. Saturday Farmers Market will run April 13th-October 26th

Our request is for the closure of Main Street (from SE 2nd to Legion), NW 2nd Street (from NW A Street to NE A street), NE A Street (from NW 2nd street to Central).

Closures will be from 5:30am- 2:00pm



Traffic Calming Request: Signals, Signage, Trails and Crosswalks w/description of need.

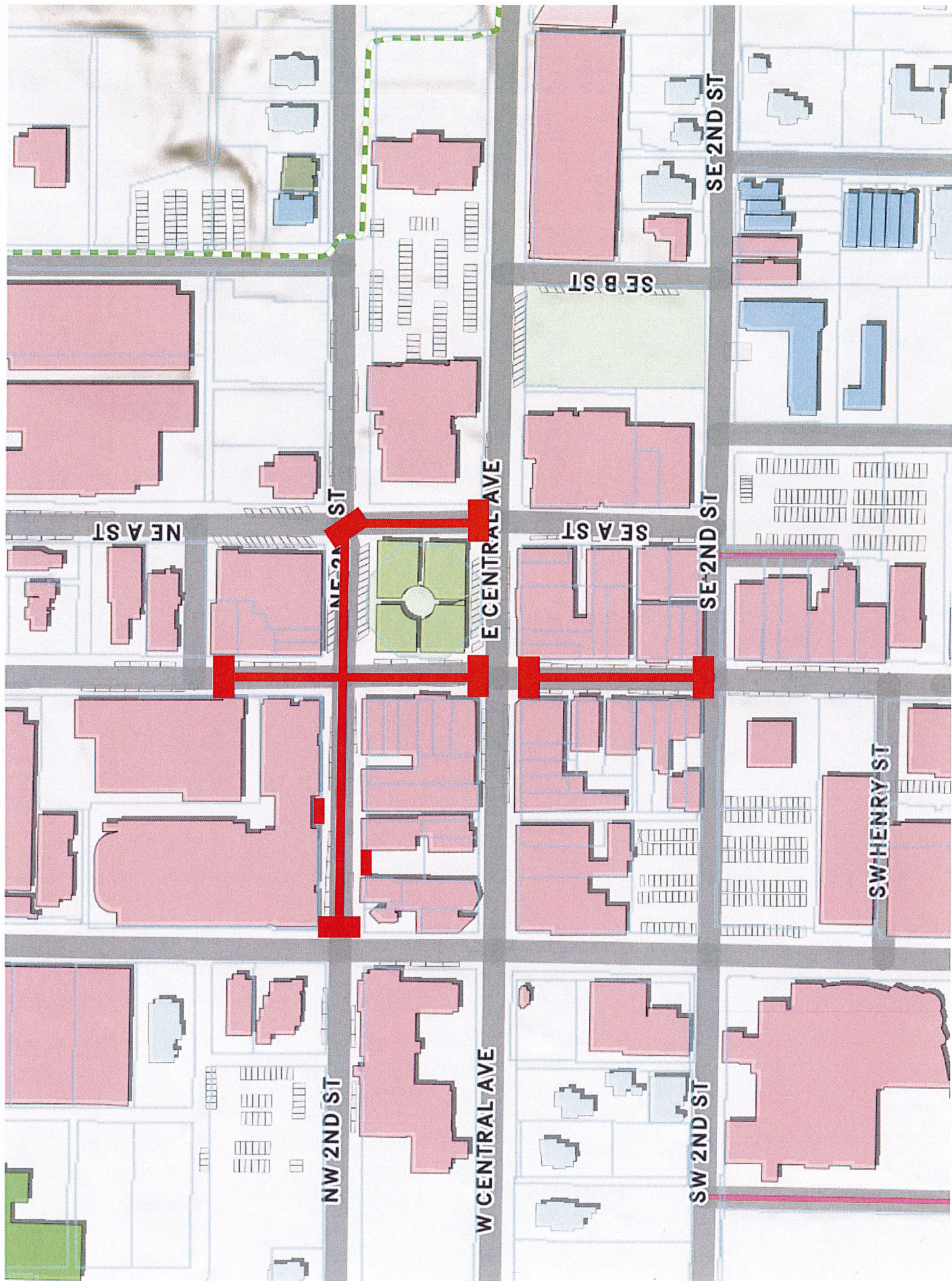
****May require Neighborhood Notification Petition****

May require traffic study and/or neighbor notifications

Find more information concerning Run Rules/Traffic Calming on the TRANSPORTATION PAGE @ bentonvillear.com

Applicant Signature: Stephanie Marpe

Date: 11/21/23





Traffic, Signage and Safety Agenda Request Form

Committee Meetings: First Monday of Each Month

City Contact: Tracy Billings
tbillings@bentonvillear.com
(479)696-0229

Name: Stephanie Marpe - Downtown Bentonville Inc

Email: Stephanie@downtownbentonville.org

Address: 103 S. Main Street, Bentonville AR

Phone Number: 479-282-5027



Temporary Street Closure Request: Reason or Name of Event, Dates & Times of Closure and Map of the Detour/Closure required.

*Prior to submitting application contact:

Lt. Glynn Bertrand (479)418-8610 or Sgt. Josh Carlson (479)531-5889

Requires 90 days notice prior to the event date

Attached is DBI's proposal for Thursday Farmers Market events in 2024. Saturday Farmers Market will run May 2nd-September 26th.

Our request is for the closure of Main Street (from Central to NW 2nd Street)

Closures will be from Noon-8pm



Traffic Calming Request: Signals, Signage, Trails and Crosswalks w/description of need.

May require Neighborhood Notification Petition

May require traffic study and/or neighbor notifications

Find more information concerning Run Rules/Traffic Calming on the TRANSPORTATION PAGE @ bentonvillear.com

Applicant Signature: Stephanie Marpe

Date: 11/21/23

