100 NORTH MAIN STREET
O'FALLON, MISSOURI 63366
636.240.2000
WWW.OFALLONMO.GOV

10/2/26

RE: Request for Qualifications **26-054**: **Bryan Road and Veterans Memorial Parkway Intersection Improvements Project**

Dear Consultant:

The **City of O'Fallon** is requesting the services of a consulting engineering firm to perform the described professional services for the project included in the attachments. If your firm would like to be considered for these consulting services, you may express your interest by responding to the appropriate office, which is indicated on the attachments. This letter should include any information which might help us in the selection process, such as the persons or team you would assign to the project, the backgrounds of those individuals, and other projects your company has recently completed or are now active, previous federally-funded project experience, CMAQ, STP and MODOT Cost Share-specific experience. The City does not currently have federal funding obtained for the project; however, it is anticipated that consultant will work with the City to Develop an STP application to East West Gateway for Right of Way and Construction Funding.

It is required that your firm be prequalified with MoDOT and listed in MoDOT's Approved Consultant Prequalification List, or your firm will be considered non-responsive.

It is required that your firm's Statement of Qualification (RSMo 8.285 through 8.291) and an Affidavit of Compliance with the federal work authorization program along with a copy of your firm's E-Verify Memorandum of Understanding (15 CSR 60-15.020) be submitted with your firm's Letter(s) of Interest.

We request all letters be received by **12:00 p.m. local time on November 4th, 2026**. This is a Request for Qualifications, and no public opening will be held.

The City requires one original copy of the letter of interest and all supporting documentation with a copy of all documents contained on a flash/thumb drive delivered in an envelope labeled "RFQ 26-054 Bryan Road and Veterans Memorial Parkway Intersection Improvements Project" to:

Garrett O'Mara, Purchasing Agent
100 North Main Street
O'Fallon, MO 63366
Gomara@ofallonmo.gov
Phone 636-379-5527

Sincerely,

Paul Talimonchuk
Project Manager
Engineering Department
City of O'Fallon
Office: 636.379.5513
Email: **ptalimonchuk@ofallonmo.gov**

Any questions regarding the project may be submitted to the City to the attention of:

Garrett O'Mara, Purchasing Agent
100 North Main Street
O'Fallon, MO 63366
Gomara@ofallonmo.gov
Phone 636-379-5527

We request any questions be submitted no later than **12:00 PM** local time on **October 14, 2026.** Questions will be answered by end of day October 16, 2026, via addendum.

Attachments

- 26-054: Bryan Road and Veterans Memorial Parkway Intersection Improvements Project – Scoping Items
- St. Charles County Project Application
- Storm Sewer Utility Snapshot (O'Fallon)
- Water & Sewer Snapshot (O'Fallon)
- Brooks Act Consultant Selection Information
- Affidavit of Compliance with the Federal Work Authorization Program
- Israel Non-Discrimination Certification of Compliance

26-054: Bryan Road and Veterans Memorial Parkway Intersection Improvements Project

City/County St. Charles	
Federal Aid No: NA	
Location: Intersection of Bryan Road and Veterans Memorial Parkway	
Proposed Improvement:	Road widening/lane additions, signals, pavement replacement, pedestrian improvements
Length:	0.39 mi
Approximate Construction Cost:	$7,814,400.00
DBE Goal Determination:	0%
Professional Services OJT	Not required
Consultant Services Required:	Major Project scope items include: • Turn Lane & Thru Lane Additions and Road Improvements • Pavement Rehabilitation/Replacement evaluations • Safety Improvements • Controlled access evaluation • ADA Improvements • Sidewalk/Path Pedestrian & Bike Improvements • ITS and Traffic Signals • Utility relocation The engineering responsibilities may include but are not limited to the following: The preparation of Conceptual plans, Preliminary plans, Right of Way Plans, Contract plans/Specifications. Design services may include surveying, geotechnical investigations, storm water design, water line/Hydrant relocations, Sanitary Sewer relocation design, signal

	design, pavement design, public involvement, contract documents, construction support as needed, utility coordination and traffic controls including the preparation of PS&E and final documents. • Preparation and submittal all necessary environmental clearances as necessary • Preparation of all permitting required • Conduct topographic and ROW surveys at the project intersections and prepare electronic deliverables • Evaluate pavement replacement vs rehabilitation options. • Prepare concept engineering plans (30%) that include horizontal alignment, vertical alignment, basic intersection geometrics, signal design, conceptual traffic control plan, and cost estimate • Prepare ROW plans (70%) and associated legal documents for the City to obtain required easements and ROW needed for the project • Prepare all ROW and easement exhibits, legal descriptions, and all other work associated to property transfer exhibits. • Title Reports • Prepare draft final plans (95%) and contract documents for bidding. Submit draft final plans and contract documents. • Provide final construction plans (incl. comprehensive traffic control plans) and contract documents for bidding • Prepare and submit all required documentation for Plans Specs and Estimates (PS&E) approval from MoDOT.

	• Provide exhibits, material, and staff and open house style public meeting • Facilitate utility coordination by sending plans to utility companies • Attend coordination meetings as required. • Coordinate design of project with MoDOT for work in or abutting MoDOT ROW. • Assist in 2027 Funding Applications
Other Comments:	Federal funding is anticipated to be obtained for Right of Way and Construction. Therefore, all regulations and processes regarding the utilization of these funding sources will apply such as the Local Public Agency (LPA) manual. It is anticipated that this project will require full Federal oversight by FHWA. Stakeholders include City of O'Fallon, St. Charles County, Missouri Highways and Transportation Commission, East West Gateway, and the Missouri Department of Transportation and all stakeholders will be involved throughout the project. It will be essential to coordinate closely with these stakeholders throughout the duration of the project.
Contact:	*Paul Talimonchuk, Project Manager* *100 North Main Street* *O'Fallon, MO 63366* *636-379-5513* *ptalimonchuk@ofallonmo.gov*
Letter of Interest Deadline:	
Submit: one original copy of the letter of interest and all supporting documentation with a copy of all documents contained on a flash/thumb drive delivered in an envelope labeled "RFQ 26-054 Bryan Road and Veterans Memorial Parkway Intersection Improvements Project" Garrett O'Mara, Purchasing Agent 100 North Main Street O'Fallon, MO 63366	

Gomara@ofallonmo.gov
Phone 636-379-5527

It is required that your firm's Statement of Qualification (RSMo 8.285 through 8.291) and an Affidavit of Compliance with the federal work authorization program along with a copy of your firm's E-Verify Memorandum of Understanding (15 CSR 60-15.020) be submitted with your firm's Letter(s) of Interest.

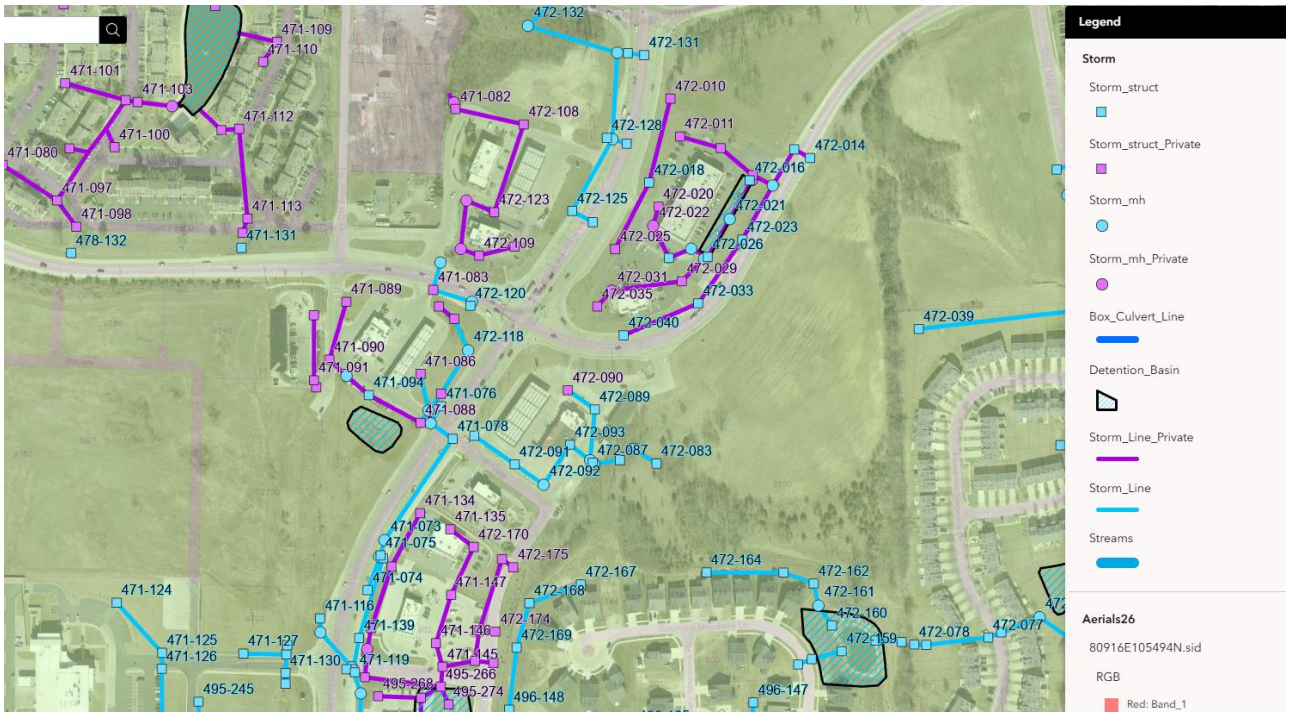
- Please note that the Consultant is still responsible to ensure that their Letter is in full possession by the City in order to be eligible.

26-054: Bryan Road and Veterans Memorial Parkway Intersection Improvements Project

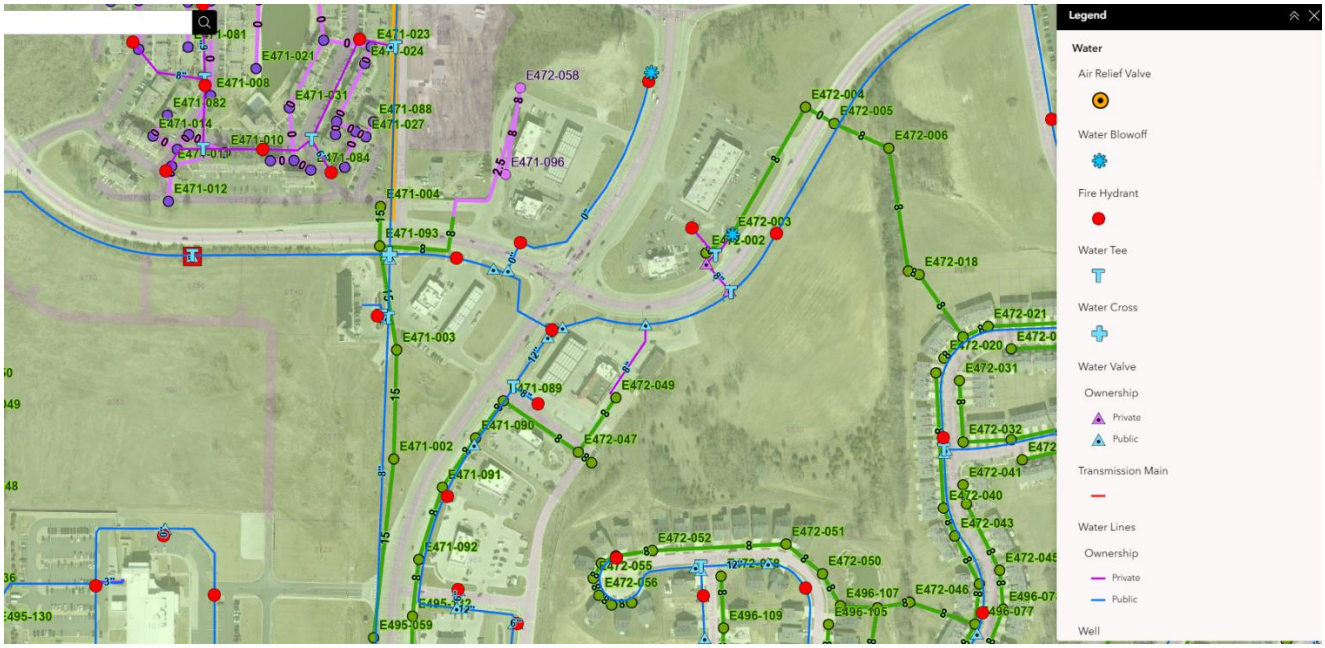
ADDITIONAL PROJECT INFORMATION:

- St. Charles County Project Application
- Storm Sewer Utility Snapshot (O'Fallon)
- Water & Sewer Snapshot (O'Fallon)
- Brooks Act Consultant Selection Information
- Affidavit of Compliance with the Federal Work Authorization Program

STORM UTILITY MAP



WATER AND SEWER UTILITY MAP



Bryan Road at Veterans Memorial Parkway Intersection Improvements

Project Type: Traffic Flow

Project Information:

Project Limits: Intersection of Bryan Road and Veterans Memorial Parkway

Project Length(miles): 0.39

Federal Functional Class: 1 - Principal Arterial

Anticipated useful life (yrs): 30

Estimated Completion Date: March 29, 2030

ADT: Existing	*ADT: Construction Year*	*ADT: Future/Projected*
30,562	32,105	42,000

Sponsor Contact Information:

Sponsoring Agency: O'Fallon

Contact Person: Paul Talimonchuk

Job Title: Project Manager

Phone Number: 636-379-5513

E-mail Address: ptalimonchuk@ofallonmo.gov

Financial:

Total Project	CRB Share	Sponsor Share	Federal	Other
$8,714,400	$6,971,520	$1,742,880	$0	$0

Sponsoring agency requesting Road Board funds for Design, R/W & Construction

Anticipate additional funds request in subsequent years? No

Project Schedule:

Anticipated Preliminary Plan Approval Date: August 31, 2027

Anticipated A-Date Approval Date: February 29, 2028

Anticipated PS&E Approval Date: November 30, 2028

Anticipated Construction Completion: March 29, 2030

Bryan Road at Veterans Memorial Parkway Intersection Improvements

Project Type: Traffic Flow

Project Description:

Existing Conditions:

Existing pavement consists of deteriorated concrete pavement that is experiencing joint failure and has multiple partial depth repairs.

Bryan Road approaches:
• Northbound: one dedicated left-turn lane, one through lane, and one shared through/right lane
• Southbound: one dedicated left-turn lane, two through lanes, and one channelized right-turn lane (yield control)
• Posted speed limit: 40 mph

Veterans Memorial Parkway approaches (eastbound/westbound):
• one dedicated left-turn lane, one through lane, and one channelized right-turn lane (yield control)
• Posted speed limit: 45 mph

Under existing conditions, the intersection operates with an overall intersection delay of 36.9 seconds per vehicle. This corresponds to a level of service (LOS) D during the school release peak hour. Additionally, there are safety concerns due to multiple commercial access points and high turning movement volumes within the area of queued vehicles.

Proposed roadway improvements:

The project involves the removal and replacment of concrete pavement that has reached the end of it's lifespan. Staff will also explore asphalt or composite pavements for cost efficiency.

Proposed traffic flow improvements:

The proposed project includes various intersection upgrades including additional left-turn lanes on all approaches to the signal, an additional northbound and southbound thru lane tying into the I-70 EB ramps intersection to the north and a newly signalized intersection (by others) at the O'Fallon Justice Center entrance, a new northbound right turn lane and reconstructed signal.

Proposed safety improvements:

Safety improvements include high visibility crosswalks, center median islands, access management improvements, and improved intersection lighting. Implement Systematic Signing and Visibility Improvements at signalized intersections (CMF ID 8922), Leading Pedestrian Intervals (CMF ID 9907), Improved channelized right turn angle (CMF ID 8428), and Projected-only Left Turn Phasing (CMF ID 10746).

Bryan Road at Veterans Memorial Parkway Intersection Improvements

Project Type: Traffic Flow

Proposed bicycle/pedestrian improvements:

The project will extend a sidepath from the south along Bryan Rd to the I-70 interchange. Existing sidewalks, sidepaths, and curb ramps will be reconstructed as needed to accomodate roadway widening and ADA compliance.

Proposed Gateway Green Light (GGL) improvements:

The project will remove and reinstall GGL fiber network elements, install new CCTV cameras for remote observation and troubleshooting, and ATSPM hardware to allow for continual high-definition signal operation data for regular updates and reporting.

Proposed GGL improvements been coordinated with Transportation Planning? Yes

Utility Impacts:

Stormwater inlets and associated appurtenances will need to be removed and relocated, water lines and hydrants will require extension and relocation, private telecom lines and pullboxes will need to be relocated within the limits of the widening in addition to existing Gateway Green Light fiber infrastructure.

Environmental Status:

Request for Environmental Review: Not Started

Traffic Flow Details:

What type of Traffic Flow project is proposed? Intersection

Please enter value for Delay (hrs/day): 38

Proposed typical section approved by Transportation Planning? Yes

Bicycle/Pedestrian Details:

What type of facility does this project provide for? Both Bicycle and Pedestrian

Briefly discuss how the proposed bicycle and/or pedestrian improvement will assist in the County's overall vision to develop a low-stress bicycle/pedestrian network:

The intersection will include the recommended sidepaths shown on the Gateway Bike Plan map along with the appropriate high visibility markings at the intersection.

Bryan Road at Veterans Memorial Parkway Intersection Improvements

Project Type: Traffic Flow

Providing for connections to nearby community resources is important part of establishing a low-stress bicycle and pedestrian network in St. Charles County. The more community resources that can be connected allows multimodal users more opportunities to utilize this alternative transportation network. Please briefly discuss what community resources this project will directly connect to.

O'Fallon Justice Center, Multiple restaurants and convenience stores, and Large-scale youth sports development

Proposed project identified in the adopted SCC Gateway Bike Plan? Yes

Per the SCC GBP, what is the recommended facility type? Sidepath

Does the proposed project follow the recommended facility type? Yes

Safety Details:

Proposed typical section approved by Transportation Planning? Yes

Any crashes within the proposed project limts in the last 3 years? Yes

Crash Reports:

Date	Time of Day	Location	Collision Type	Severity	Road Conditions	Light Conditions
October 21, 2022	18:10	Bryan Rd and Veterans Memorial Parkway	Motor Vehicle in Transport	Serious Injury	Dry	Daylight
August 30, 2021	21:55	Bryan Road	Pedestrian	Serious Injury	Dry	Dark-Lighted
March 20, 2021	01:03	Bryan Road	Motor Vehicle in Transport		Dry	Other Dark - Unknown Lighting

Bryan Road at Veterans Memorial Parkway Intersection Improvements

Project Type: Traffic Flow

Are there any documented or undocumented safety issue(s)? Yes

Please describe how the proposed roadway improvements/countermeasure(s) will address safety to reduce crashes.

Project limits include regional high injury networks as identified by Gateway to Safer Roadways. The project scope includes several safety countermeasures that provide a comprehensive safety at the improved intersection. The reconstructed signal will receive a full complement of countermeasures to create conspicuous signal heads, better visibility of conflicting vehicles or pedestrians, and improved pedestrian/bicycle facilities.

Countermeasure No.

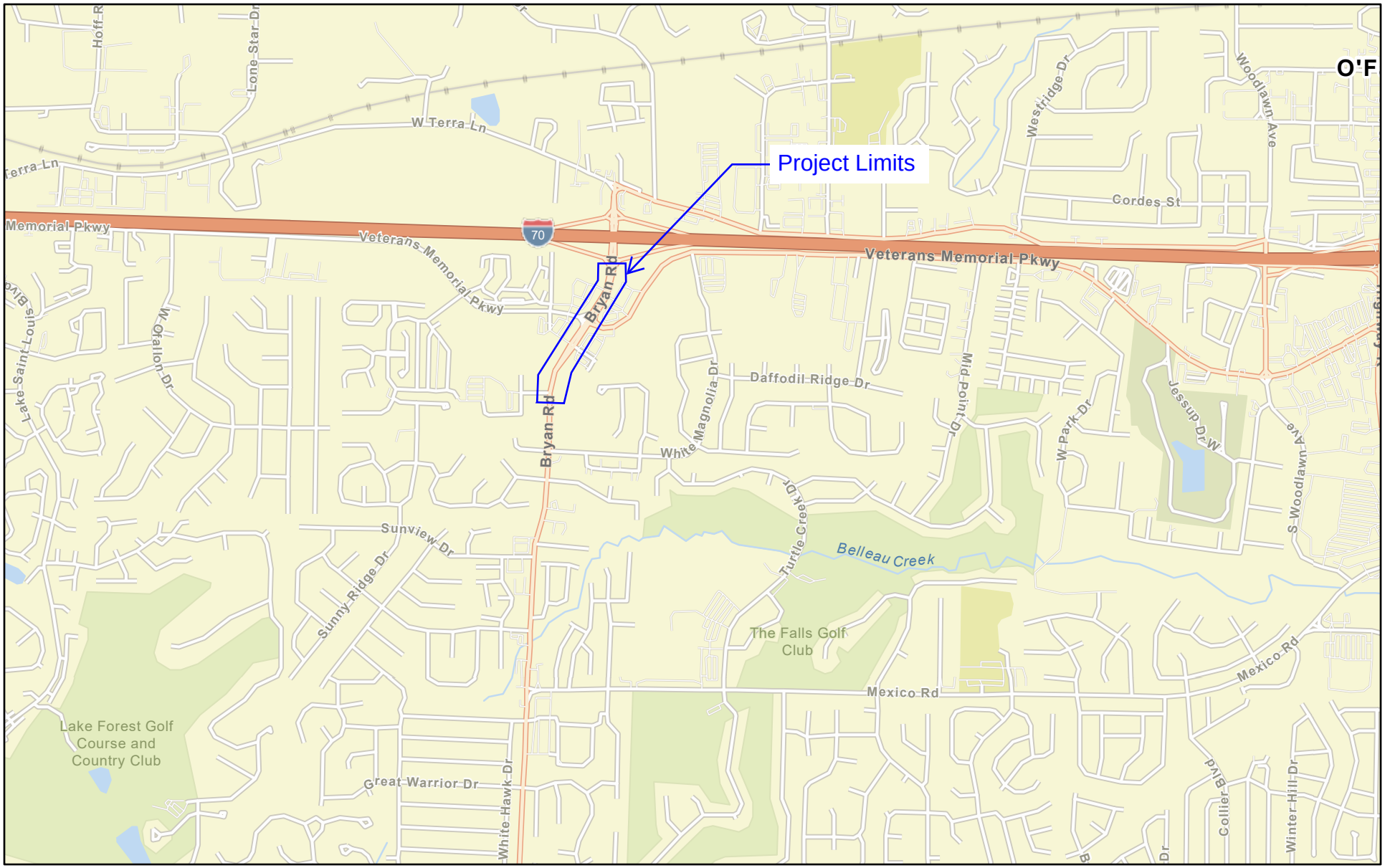
Countermeasure Name	CMF	CMF ID
Implement systematic signing and visibility improvements at signalized intersections	.955	8922
Leading Pedestrian Intervals	0.83	9907
Improved channelized right turn angle	.558	8428

Is the proposed improvement(s) identified in any safety study? Yes

Please identify the study or plan: *Other*

Specify Other: *Gateway to Safer Roadways (East-West Gateway Council of Governments)*

Project Location Map



1:25,892

0 0.17 0.35 0.7 mi

0 0.28 0.55 1.1 km

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community

ST. CHARLES COUNTY ROAD BOARD

2027 - 2029 TIP FINANCIAL WORKSHEET

Bryan Road at Veterans Memorial Parkway Intersection Improvements

FUNDING FOR IMPROVEMENTS					
	County	Sponsor	Federal	Other	Total
Design	$480,000.00	$120,000.00	$0.00	$0.00	**$600,000.00**
Utility Relocations	$0.00	$0.00	$0.00	$0.00	**$0.00**
Right-of-Way	$240,000.00	$60,000.00	$0.00	$0.00	**$300,000.00**
Construction	$6,251,520.00	$1,562,880.00	$0.00	$0.00	**$7,814,400.00**
TOTAL	**$6,971,520.00**	**$1,742,880.00**	**$0.00**	**$0.00**	**$8,714,400.00**
PERCENT (%)	80.00%	20.00%	0.00%	0.00%	100.00%

FINANCIAL PLAN					
Design	County	Sponsor	Federal	Other	Total
2027	$480,000.00	$120,000.00			$600,000.00
2028					$0.00
2029					$0.00
Utility Relocations	County	Sponsor	Federal	Other	Total
2027					$0.00
2028					$0.00
2029					$0.00
Right-of-Way	County	Sponsor	Federal	Other	Total
2027					$0.00
2028	$240,000.00	$60,000.00			$300,000.00
2029					$0.00
Construction	County	Sponsor	Federal	Other	Total
2027					$0.00
2028					$0.00
2029	$6,251,520.00	$1,562,880.00			$7,814,400.00

*St. Charles County previously funded Planning Study in 2026 = $40,000 (80/20)

Estimate of Project Costs

Project Sponsor:	City of O'Fallon Missouri
Project Title:	Bryan Road and Veteran's Memorial Parkway Intersection Improve
Date:	3/9/2026

Specific Roadway Items

Item	Quantity	Unit	Unit Price	Amount
REMOVAL OF IMPROVEMENTS	1	LS	$466,000.00	$466,000.00
TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	10,714	SY	$15.00	$160,710.00
CONCRETE PAVEMENT (8 IN. NON-REINF)	31,225	SY	$110.00	$3,434,783.00
CONCRETE MEDIAN	1,584	SY	$150.00	$237,600.00
CONCRETE CURB AND GUTTER	4,890	LF	$65.00	$317,850.00
				$0.00
				$0.00
				$0.00
			SUBTOTAL	**$4,616,943.00**

Specific Pedestrian Items

Item	Quantity	Unit	Unit Price	Amount
CONCRETE CURB RAMP	203	SY	$150.00	$30,450.00
DETECTABLE WARNING PANELS	307	SF	$33.00	$10,131.00
CONCRETE SIDEPATH, 4 IN.	3,828	SY	$85.00	$325,380.00
TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	3,828	SY	$15.00	$57,420.00
				$0.00
				$0.00
				$0.00
			SUBTOTAL	**$423,381.00**

Miscellaneous Other Items

Item	Quantity	Unit	Unit Price	Amount
MISC. DRAINAGE ITEMS	1	LS	$87,000.00	$87,000.00
CURB INLET	8	EA	$6,500.00	$52,000.00
MANHOLE FRAME AND COVER	4	EA	$1,500.00	$6,000.00
RESTORATION	1	LS	$41,000.00	$41,000.00
PAVEMENT MARKINGS	1	LS	$48,000.00	$48,000.00
SIGNAGE	1	LS	$21,000.00	$21,000.00
SIGNAL RECONSTRUCTION	1	LS	$360,000.00	$360,000.00
TRAFFIC CONTROL	1	LS	$103,000.00	$103,000.00
MOBILIZATION	1	LS	$123,000.00	$123,000.00
CONTRACTOR FURNISHED SURVEYING AND STAKING	1	LS	$21,000.00	$21,000.00
				$0.00
				$0.00
				$0.00
			SUBTOTAL	**$862,000.00**

Construction Cost Total	**$5,902,000.00**
Contingency	**$1,180,400.00**
Inflation	**$657,000.00**
Preliminary Engineering	**$600,000.00**
Right-of-Way	**$300,000.00**
Construction Engineering/Inspection	**$75,000.00**
Project Total *	**$8,714,400.00**

*** The project total cost should match the total cost reported in the project application.**

Add rows as needed.

Appendix B- Typical Section

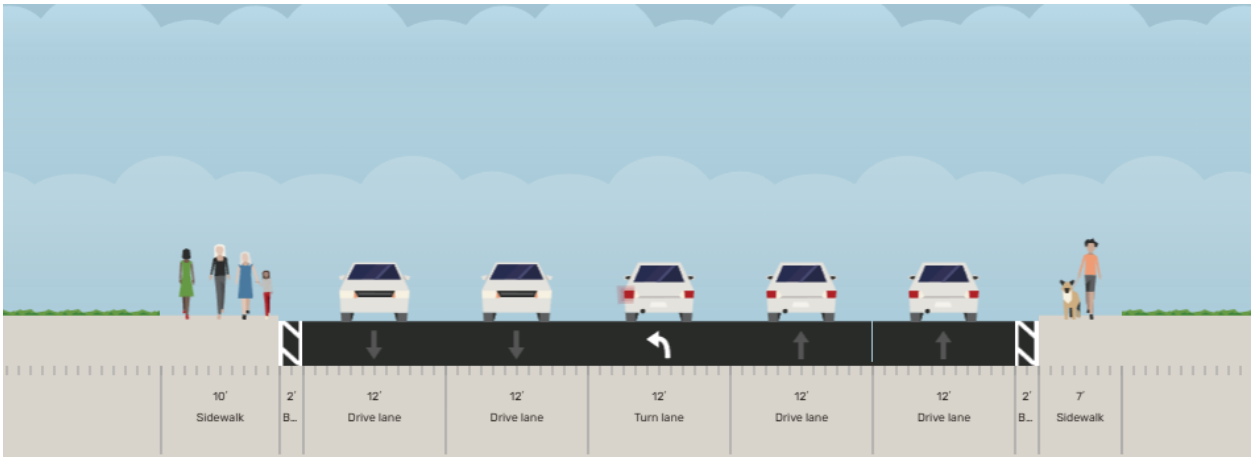


Figure 1: Bryan Road South of Veterans Memorial Pkwy (Existing)

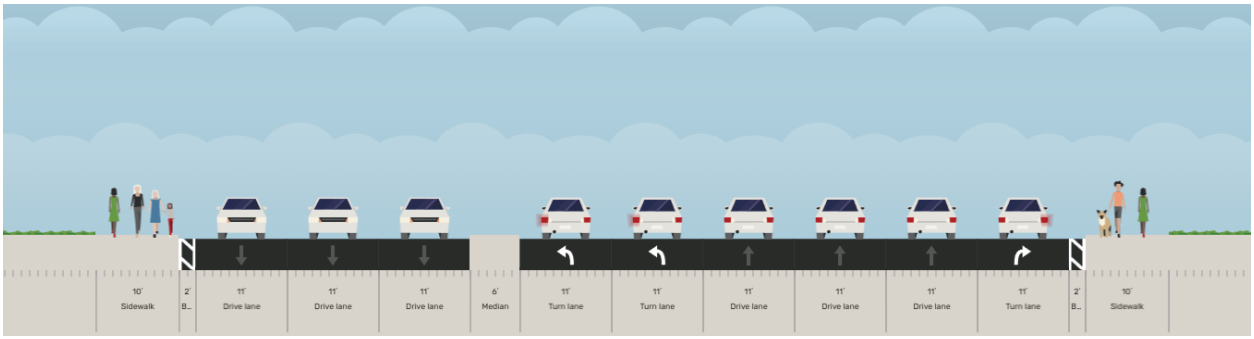


Figure 2: Bryan Road South of Veterans Memorial Pkwy (Proposed)

Appendix B- Typical Section

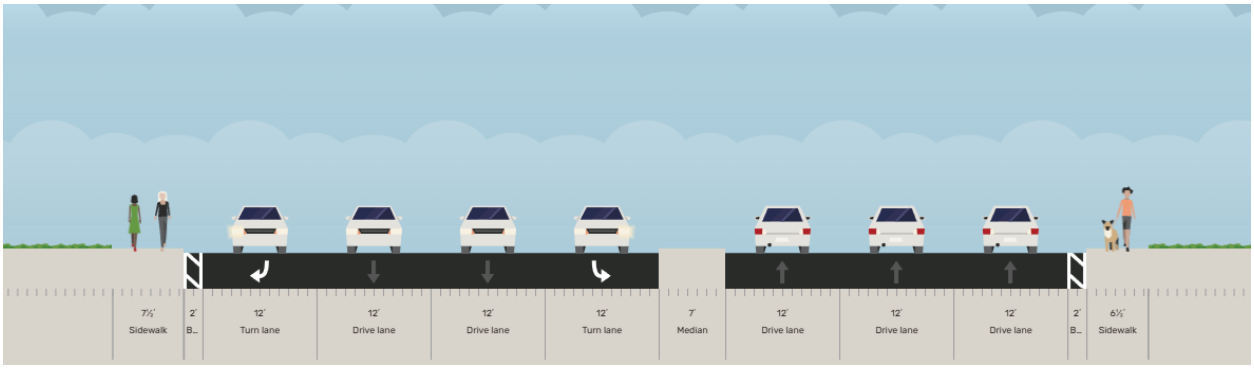


Figure 3: Bryan Road North of Veterans Memorial Pkwy (Existing)

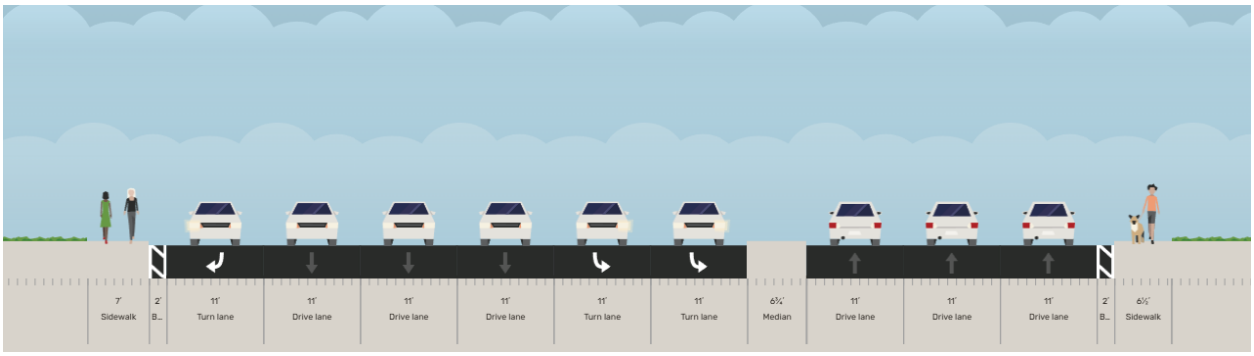
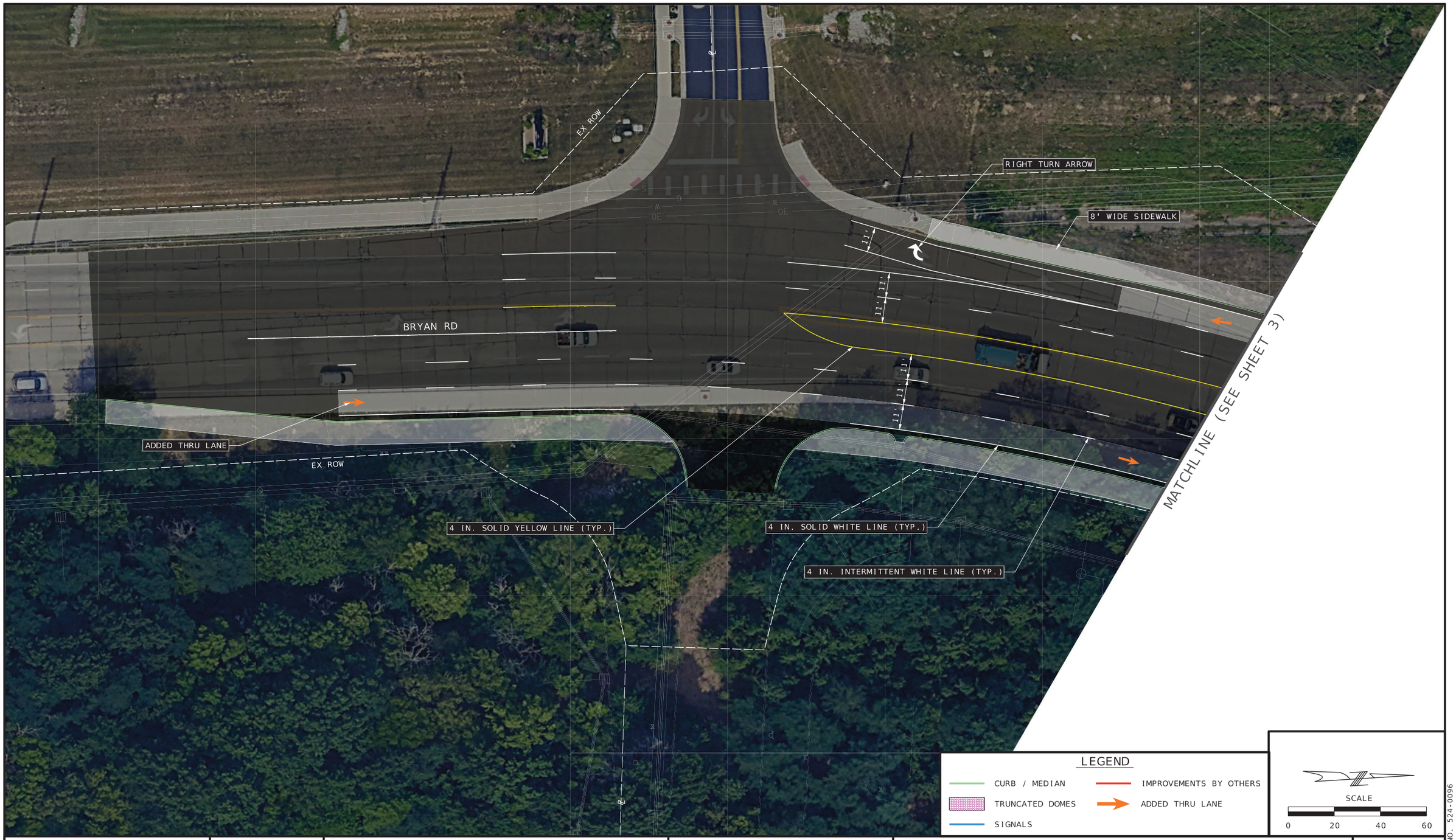


Figure 4: Bryan Road North of Veterans Memorial Pkwy (Proposed)



LEGEND

- CURB / MEDIAN
- TRUNCATED DOMES
- SIGNALS
- IMPROVEMENTS BY OTHERS
- ADDED THRU LANE

SCALE

0 20 40 60

LOCHMUELLER GROUP
399 SOUTH SPRING AVE, SUITE 208 B
SAINT LOUIS, MISSOURI 63110
P (314) 621-3395 F (314) 621-3288
WWW.LOCHGROUP.COM
MISSOURI STATE ENGINEERING CORPORATION
CERTIFICATE/LICENSE NO. 2002011852

CONCEPTUAL DRAWING

NOT FOR CONSTRUCTION

REVISIONS

REV	DATE	BY	DESCRIPTION

BRYAN ROAD AT VETERANS MEMORIAL PARKWAY CONCEPTUAL EXHIBIT

PLAN SHEET 1 OF 5

PROJECT/JOB NO. 525-0058

DATE PREPARED 1/12/2026

SHEET 2 OF 9

LOCHMUELLER PROJECT NO. 524-0096

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MATCHLINE (SEE SHEET 2)

MATCHLINE (SEE SHEET 4)

24 IN. SOLID WHITE LINE (TYP.)

12 IN. SOLID WHITE LINE (TYP.)

10' WIDE SIDEWALK

LEFT TURN ARROW (TYP.)

CONCRETE MEDIAN (TYP.)

8' WIDE SIDEWALK

4 IN. INTERMITTENT WHITE LINE (TYP.)

4 IN. SOLID YELLOW LINE (TYP.)

EX ROW

ADDED THRU LANE

BRYAN RD

11'

11'

11'

11'

11'

11'

11'

11'

EX ROW

4 IN. SOLID WHITE LINE (TYP.)

TRUNCATED DOMES (TYP.)

RIGHT TURN ARROW (TYP.)

10' WIDE SIDEWALK

DO NOT ENTER

LEGEND

CURB / MEDIAN

IMPROVEMENTS BY OTHERS

TRUNCATED DOMES

ADDED THRU LANE

SIGNALS

SCALE

0 20 40 60

LOCHMUELLER GROUP

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BRYAN ROAD AT VETERANS MEMORIAL PARKWAY CONCEPTUAL EXHIBIT

PLAN SHEET 2 OF 5

PROJECT/JOB NO. 525-0058

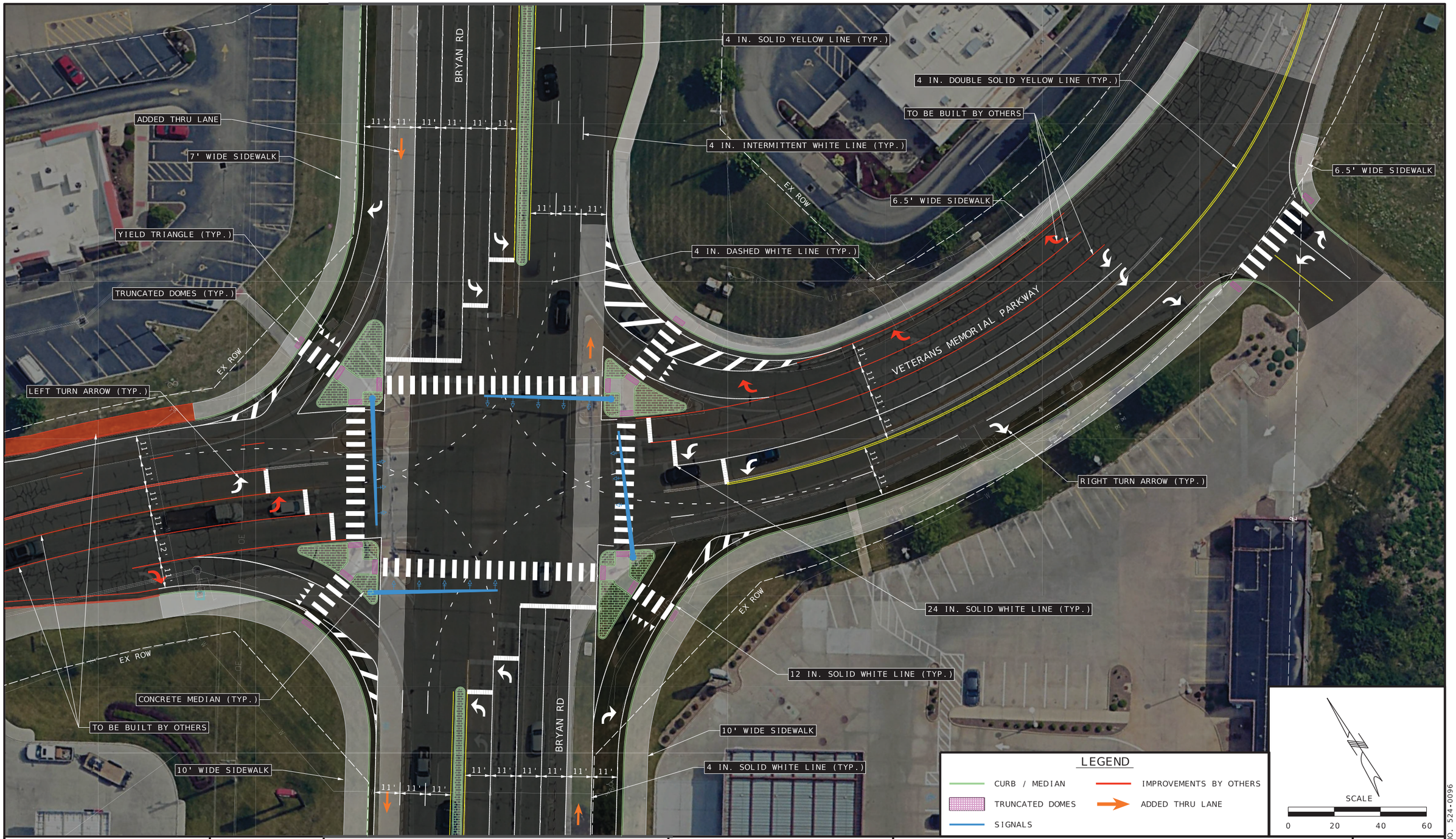
DATE PREPARED 1/12/2026

SHEET 3 OF 9

LOCHMUELLER PROJECT NO. 524-0096

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MATCHLINE (SEE SHEET 5)



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MATCHLINE (SEE SHEET 3)

REVISIONS

REV	DATE	BY	DESCRIPTION

BRYAN ROAD AT VETERANS MEMORIAL PARKWAY CONCEPTUAL EXHIBIT

PLAN SHEET 3 OF 5

PROJECT/JOB NO. 525-0058

DATE PREPARED 1/12/2026

SHEET 4 OF 9

LOCHMUELLER PROJECT NO. 524-0096

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LEGEND

- CURB / MEDIAN
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SCALE

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PLAN SHEET 4 OF 5

PROJECT/JOB NO. 525-0058

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SHEET 5 OF 9

LOCHMUELLER PROJECT NO. 524-0096

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MATCHLINE (SEE SHEET 5)

4 IN. INTERMITTENT WHITE LINE (TYP.)

ADDED THRU LANE

7' WIDE SIDEWALK

EX ROW

11'

11'

11'

BRYAN RD

11'

11'

11'

4 IN. SOLID YELLOW LINE (TYP.)

4 IN. SOLID WHITE LINE (TYP.)

24 IN. SOLID WHITE LINE

6.5' WIDE SIDEWALK

RIGHT TURN ARROW

CONCRETE MEDIAN (TYP.)

EX ROW

I-70

I-70

LEGEND

CURB / MEDIAN

TRUNCATED DOMES

SIGNALS

IMPROVEMENTS BY OTHERS

ADDED THRU LANE

SCALE

0 20 40 60

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MISSOURI STATE ENGINEERING CORPORATION
CERTIFICATE/LICENSE NO. 2002011852

CONCEPTUAL DRAWING

NOT FOR CONSTRUCTION

REVISIONS

REV	DATE	BY	DESCRIPTION

BRYAN ROAD AT VETERANS MEMORIAL PARKWAY CONCEPTUAL EXHIBIT

PLAN SHEET 5 OF 5

PROJECT/JOB NO. 525-0058

DATE PREPARED 1/12/2026

SHEET 6 OF 9

LOCHMUELLER PROJECT NO. 524-0096

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TRAFFIC FLOW - INTERSECTION

Road	Bryan Road
Intersecting Road	Veterans Memorial Parkway

PROJECT TYPE:	Mark (X) next to improvement
1 = LEFT TURN LANES	X
2 = RIGHT TURN LANES	X
3 = AUXILIARY LANES	

Required Input Data / Assumptions	Before	After	Remarks
Average Vehicle Delay (sec/veh)	36.9	23.6	
Daily Intersection Volume (veh), or Peak Hour Volume (veh)	3,718	3,870	Vehicles entering intersection

Use Peak Hour Volume for worst time of day (weekday AM or PM)

Vehicle mix assumed to be 55% passenger car, 34% passenger truck, and 11% light commercial truck

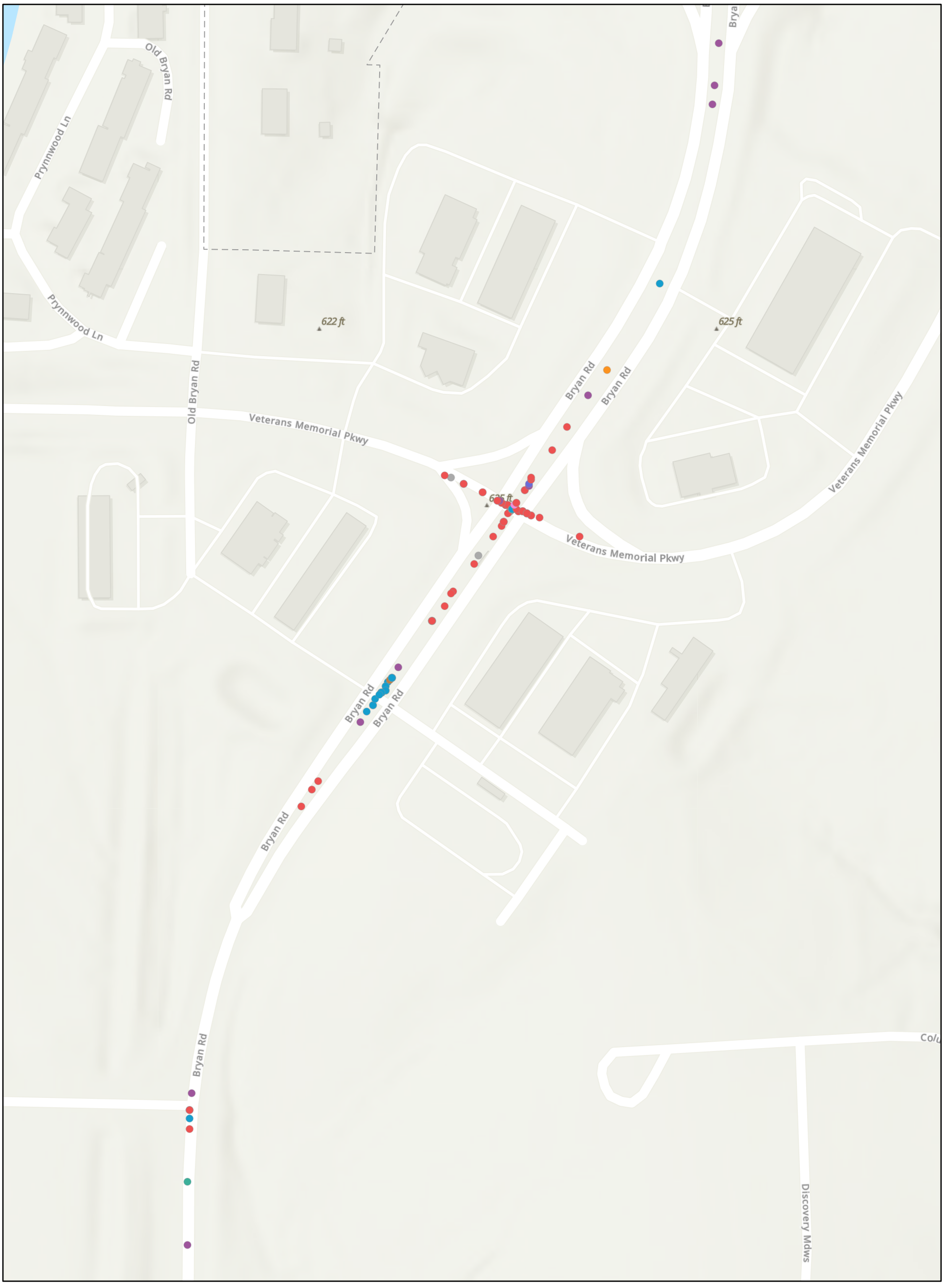
For intersection projects, vehicle mix assumed to be constant.

Note: If project impacts more than one intersection, contact EWG staff for assistance.

Describe Bike/Ped Elements:	New or replaced sidewalk connections, new shared use path
Sponsoring Agency:	City of O'Fallon, MO
Project Title:	

Input Data - Year Used	
Before (i.e. 2022)	After (Year of project opening)
2025	2030

2019-2023 Crash Data



2/4/2026

_STP_Bryan at VMP _ 2019_2023 Crash Data

- REAR END
- LEFT TURN RIGHT ANGLE COLLISION
- LEFT TURN
- PASSING
- HEAD ON
- RIGHT ANGLE
- OUT OF CONTROL
- BACKING
- DEBRIS
- PEDESTRIAN
- Other

World_Hillshade

1:2,092

0 0.01 0.03 0.06 mi

0 0.03 0.06 0.11 km

Sources: Esri, Vantor, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap, and the GIS user community
Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c)

MEMO

To:	The City of O'Fallon, Missouri
From:	Lochmueller Group
Date:	02/04/2026
Subject:	Bryan Rd & Veterans Memorial Pkwy – Traffic Operations Summary

Purpose

This memorandum is provided as a supporting attachment to the STP application for operational improvements at the signalized intersection of Bryan Road & Veterans Memorial Parkway in O'Fallon, Missouri. This intersection was evaluated as part of the larger W Terra Lane Realignment – Bryan Rd Supplemental Traffic Study (Supplemental Traffic Study), which identified and advanced corridor improvements to address long-term operations.

This memo summarizes traffic operations analysis completed for the STP project location and documents the operational benefits of proposed intersection improvements.

Corridor Study Context (Bryan Road Supplemental Traffic Study)

The Supplemental Traffic Study evaluated the W Terra Lane and Bryan Road corridor to identify mobility issues and potential improvements for the 2050 horizon year, with a primary focus on intersection operations and access management along the corridor. Multiple alternatives were developed and analyzed at key intersections to compare benefits and tradeoffs to support the selection of alternatives. VISSIM was utilized to evaluate the corridor performance across alternatives.

This STP application focuses on the recommended alternative at the intersection of Bryan Road & Veterans Memorial Parkway for the 2030 opening year. The recommended alternative provides additional through and turn lanes on each approach, which reduces delay, stops, and queue lengths during peak periods. These improvements support the STP goal of emissions reduction through improved traffic flow and reduced idling.

Several alternatives were evaluated at this location, each including similar intersection improvements. Detailed alternative comparisons and operational results are documented in the Supplemental Traffic Study, submitted July 23, 2025.

Project Location and Study Area

The STP project location is the intersection of Bryan Rd & Veterans Memorial Pkwy in O'Fallon, Missouri (**Figure 1**). The study area for the STP evaluation includes the intersection

and the immediate approaches necessary to capture peak period control delay and queuing under Existing (2025) and Build (2030) conditions.



FIGURE 1. STUDY AREA AND INTERSECTIONS

Existing Conditions

Bryan Road is classified as a principal arterial and intersects with Veterans Memorial Parkway, classified as a major collector, at a signalized intersection.

Bryan Road approaches:

- Northbound: one dedicated left-turn lane, one through lane, and one shared through/right lane
- Southbound: one dedicated left-turn lane, two through lanes, and one channelized right-turn lane (yield control)
- Posted speed limit: 40 mph

Veterans Memorial Parkway approaches (eastbound/westbound):

- one dedicated left-turn lane, one through lane, and one channelized right-turn lane (yield control)
- Posted speed limit: 45 mph

Traffic Operations

Under existing conditions, the intersection operates with an overall intersection delay of 36.9 seconds per vehicle. This corresponds to a level of service (LOS) D during the school release peak hour. **Table 1** summarizes the level of service thresholds for signalized and unsignalized intersections. During this peak hour, the 95th percentile queues are approximately #719 ft northbound and 445 ft southbound ("#" symbol reported by Synchro indicates the queue may exceed available storage and spill back into upstream intersections). In this instance, the queue would spill over into the intersection of Bryan Rd & the Justice Center driveway.

TABLE 1. INTERSECTION LEVEL OF SERVICE THRESHOLDS

Level of Service (LOS)	Delay Per Vehicle (sec/veh)	
	Signalized	Unsignalized
A	< 10	0-10
B	> 10-20	> 10-15
C	> 20-35	> 15-25
D	> 35-55	> 25-35
E	> 55-80	> 35-50
F	> 80	> 50

Figure 2 graphically illustrates the existing intersection lane configuration and the school release peak hour volumes.



FIGURE 2. EXISTING LANE CONFIGURATION & SCHOOL RELEASE PEAK HOUR VOLUMES

Forecasted Conditions

Forecasted conditions assume the implementation of the recommended intersection improvements, summarized below:

- Northbound approach
  - Dual left turn lanes
  - Three through lanes
  - Dedicated right turn lane
- Southbound approach
  - Dual left turn lanes
  - Three through lanes
  - Channelized right turn lane (yield)
- Eastbound and westbound approaches
  - Dual left turn lanes
  - One through lane
  - Channelized right turn lane (yield)

Traffic Growth Assumptions

The growth assumptions for this analysis and the Supplemental Traffic Study were developed using historic traffic trends, population projections, and outputs from the St. Charles County Travel Demand Model (TDM). Growth rates applied to the corridor were based on the St. Charles County TDM loaded network outputs. However, certain movements received reduced growth assumptions where origin/destination areas are already developed with limited growth potential.

Due to the intersection being between two different annual growth rate areas, movement-specific growth rates were applied based on factors such as origin direction, destination direction, and development context. **Table 2** summarizes the growth rates applied to the intersection movements.

TABLE 2. ANNUAL GROWTH RATES OF STUDY INTERSECTION MOVEMENTS

Bryan Rd & Veterans Memorial Pkwy	*Growth Rate*
Eastbound	
Left Turn	0.65%
Through	0.65%
Right Turn	0.65%
Westbound	
Left Turn	0.50%
Through	0.99%
Right Turn	0.33%
Northbound	
Left Turn	0.99%
Through	0.65%
Right Turn	0.50%
Southbound	
Left Turn	0.33%
Through	0.99%
Right Turn	0.65%

Total entering volume increases from 3,718 vehicles (2025) to 3,870 vehicles (2030), representing approximately 4% growth over the analysis period.

Proposed Improvements (Build)

The proposed improvements would add additional travel lanes on each approach. The improvements are intended to improve performance of the intersection by reducing delays,

adding additional left turn capacity, and reducing the length of peak hour queues. **Figure 3** graphically illustrates the Build condition geometry and school release peak-hour volumes.



FIGURE 3. BUILD LANE CONFIGURATION & SCHOOL RELEASE PEAK HOUR VOLUMES

Analysis and Results

Traffic Operation

For the purposes of this STP application, traffic operations were evaluated for Existing (2025) and Build (2030) conditions using Synchro 11. Measures of effectiveness (MOEs) include level of service (LOS), overall approach delay (delay in sec/veh), 95th percentile queues (ft), and the volume to capacity (v/c) ratio. This analysis focuses on the school release peak hour, which represents the highest demand period at this intersection.

Table 3 summarizes the operational results for both Existing and Build conditions.

TABLE 3. SCHOOL RELEASE PEAK HOUR OPERATIONS SUMMARY

Intersection Approach	LOS (Delay in Sec/veh) [95% queue, ft] <v/c ratio>	
	Existing (2025)	Opening Year (2030)
Bryan Rd & Veterans Memorial Pkwy		
Overall Intersection	**D (36.9)**	**C (23.6)**
Eastbound Approach	D (35.4) [186] <0.72>	C (30.0) [110] <0.57>
Westbound Approach	D (37.6) [177] <0.75>	C (28.8) [158] <0.68>
Northbound Approach	D (43.8) [#719] <0.88>	C (23.4) [263] <0.64>
Southbound Approach	C (30.5) [445] <0.72>	B (19.1) [194] <0.60>

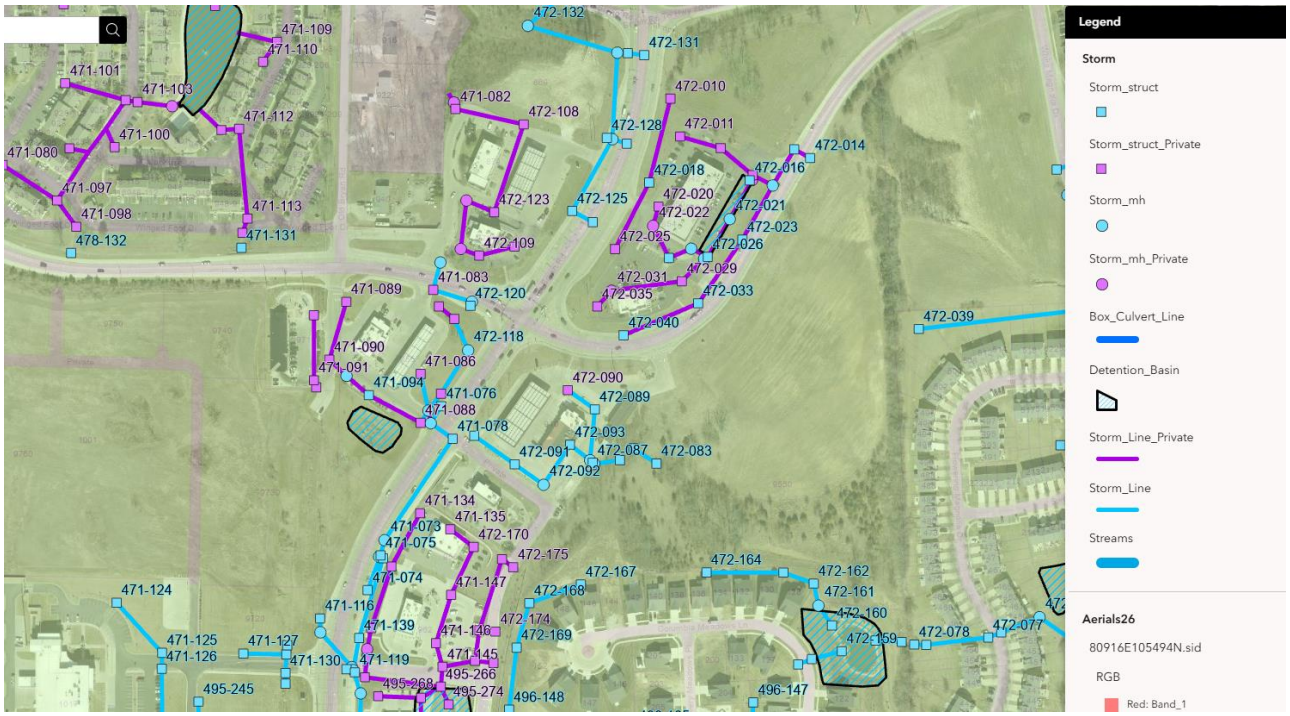
#: Indicates the volume for 95th percentile cycles exceeds capacity.

Overall, proposed improvements would improve operations by reducing overall delays and helping to better contain queues approaching the intersection.

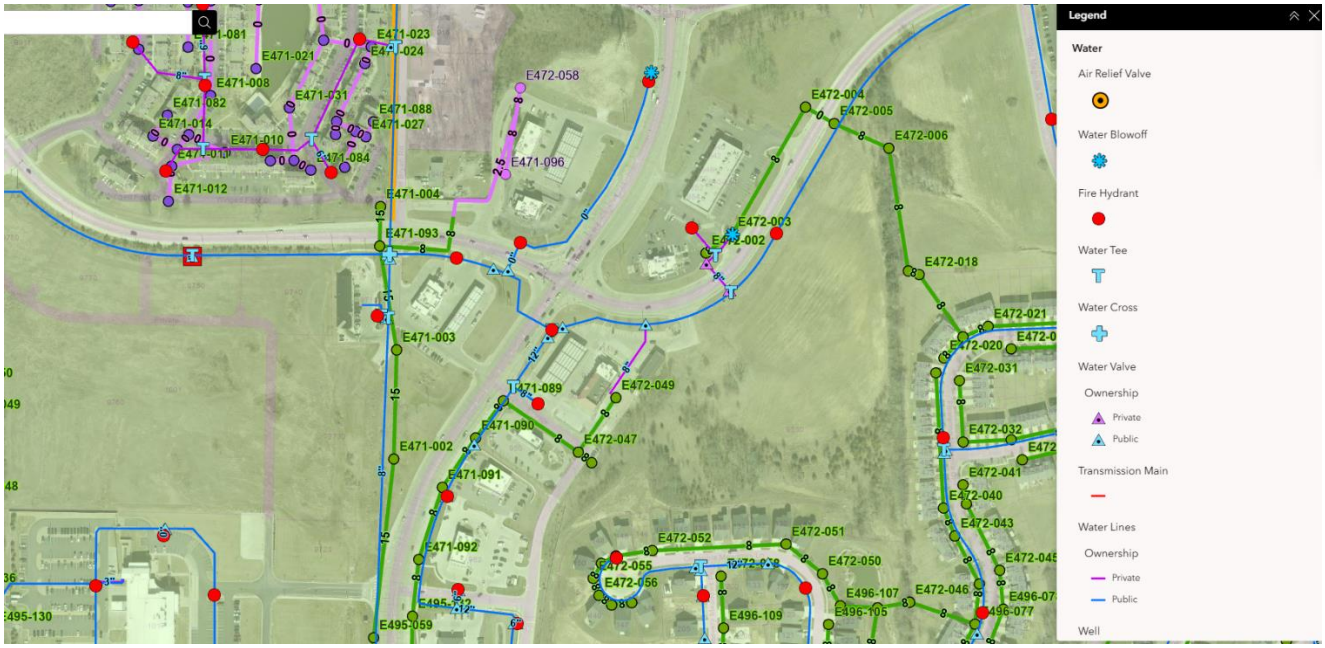
Conclusion

The proposed modifications are expected to provide measurable operational benefits at Bryan Road & Veterans Memorial Parkway. The intersection improvements would reduce school release peak hour delay by approximately 36% (36.9 to 23.6 seconds per vehicle), improving operations from LOS D to LOS C. The Build condition also reduces peak-hour queueing, most notably on the northbound approach, supporting smoother traffic flow and reduced idling. In addition, the proposed improvements are expected to accommodate the forecasted approximately 4% increase in entering volume between 2025 and 2030 (from 3718 to 3870 vehicles) consistent with the opening-year traffic projections.

STORM UTILITY MAP



WATER AND SEWER UTILITY MAP



BROOKS ACT CONSULTANT SELECTION INFORMATION

Pursuant to the Brooks Act for Consultant Selection – the following criteria will be the basis for selection. Additional criteria can be added with the approval of Central Office Design- MoDOT.

Experience and Technical Competence -	30	Max Points
Capacity and Capability -	30	Max Points
Past Record of Performance -	30	Max Points

O'Fallon Rubric for Evaluating Consultants

Point Range Legend

30 – 21 = excellent 20 – 11 = adequate 10 – 1 = fair 0 = inadequate

Experience & Technical Competence

Rate the qualifications of employees designated to this specific job, for example, assigning between 30 and 21 points for the most qualified personnel. Those rated between 20 and 11 points are considered good but lack extensive experience in the particular type of service desired. A value of 10 or less points is assigned to firms with well-qualified personnel who have no experience in the proposed area of work.

Capacity & Capability

Evaluate the consulting firm for experience on similar and related types of work it has performed. For example, assigning between 30 and 21points is for many years of established practice in the proposed type of work and related studies. A value of between 20 and 11 points may be assigned for above average experience, while 10 or less points may be given for experience adequate to perform the contract. The points for a firm with little operating experience in the selected field may be reduced further. Reduce the rating for a level of personnel inadequate to handle the firm's indicated workload. The submitted schedule will also be evaluated as part of this portion of the rankings.

Past Record of Performance

Rate the adequacy of firms that have previously performed work under contract in related fields, assigning a maximum and reducing the points for less experience.

Consultant Selection Rating Sheet (Example)

City: **O'Fallon**
Route:
Project:
Date:

Consultant	**Experience & Technical Competence (Max. points=30)**	**Capacity & Capability (Max. points=30)**	**Past Record of Performance (Max. points=30)**	**Total** **90**

Rater Comments:

WORKER ELIGIBILITY VERIFICATION AFFIDAVIT

STATE OF _____)
) ss
COUNTY OF _____)

On the _____ day of _____, 20____, before me appeared _____,
Affiant name

personally known to me or proved to me on the basis of satisfactory evidence to be a person whose name is subscribed to this affidavit, who being by me duly sworn, stated as follows:

- I, the Affiant, am of sound mind, capable of making this affidavit, and personally certify the facts herein stated, as required by Section 285.530, RSMo, to enter into any contract agreement with the City to perform any job, task, employment, labor, personal services, or any other activity for which compensation is provided, expected, or due, including but not limited to all activities conducted by business entities.
- I, the Affiant, am the _____ of _____, and I am duly
title business name

authorized, directed, and/or empowered to act officially and properly on behalf of this business entity.

- I, the Affiant, hereby affirm and warrant that the aforementioned business entity is enrolled in a federal work authorization program operated by the United States Department of Homeland Security, and the aforementioned business entity shall participate in said program to verify the employment eligibility of newly hired employees working in connection with any services contracted by the City of O'Fallon. I have attached documentation to this affidavit to evidence enrollment/participation by the aforementioned business entity in a federal work authorization program, as required by Section 285.530, RSMo.
- I, the Affiant, also hereby affirm and warrant that the aforementioned business entity does not and shall not knowingly employ, in connection with any services contracted by the City, any alien who does not have the legal right or authorization under federal law to work in the United States, as defined in 8 U.S.C. § 1324a(h)(3).
- I, the Affiant, am aware and recognize that, unless certain contract and affidavit conditions are satisfied pursuant to Section 285.530, RSMo, the aforementioned business entity may be held liable under Sections 285.525 though 285.550, RSMo, for subcontractors that knowingly employ or continue to employ any unauthorized alien to work within the state of Missouri.
- I, the Affiant, acknowledge that I am signing this affidavit as a free act and deed of the aforementioned business entity and not under duress.

_____
Affiant Signature

Subscribed and sworn to before me in _____, _____, the day and year first above-written.
city (or county) state

_____
Notary Public

My commission expires:

[Attach documentation of enrollment/participation in a federal work authorization program]

CERTIFICATION OF COMPLIANCE WITH SECTION 34.600 RSMO., SUPP. 2020

(Does not apply to contracts totaling less than $100,000, or to contractors with fewer than 10 employees)

NOTE: Missouri law prohibits any public entity from entering into a contract to acquire or dispose of services, supplies, information technology or construction unless the contract includes a written certification that the company is not currently engaged in and shall not, for the duration of the contract, engage in a boycott of goods or services from the state of Israel; companies doing business in or with Israel or authorized by, licensed by or organized under the laws of the state of Israel; or person or entities doing business in the state of Israel.

I am _____ (name), and I am the _____ (title) of _____ (company name) a (circle one) corporation, partnership, sole proprietorship, limited liability company, and am competent and authorized to make the following statement and attest to its truthfulness:

_____ I hereby certify that the company is not currently engaged in and shall not, for the duration of this contract, engage in a boycott of goods or services from the State of Israel; companies doing business in or with Israel or authorized by, licensed by or organized under the laws of the State of Israel; or persons or entities doing business in the State of Israel, in accordance with the terms and conditions set forth in Section 34.600 RSMo, Supp. 2020.

OR:

_____ The business employs fewer than 10 employees.

_____

Company Name

_____

Signature

_____

Printed Name and Title