

**VILLAGE OF SOUTH LEBANON, OHIO
RESOLUTION NO. 2020-10**

**A RESOLUTION APPROVING AND AUTHORIZING THE SUBMITTAL OF A
GRANT APPLICATION TO THE OHIO DEPARTMENT OF TRANSPORTATION
(ODOT) FOR FUNDING THROUGH THE ABBREVIATED HIGHWAY SAFETY
PROGRAM FOR PEDESTRIAN ACCESS IMPROVEMENTS, AND DECLARING
AN EMERGENCY**

WHEREAS, on January 2, 2020, the Village Council adopted Resolution No. 2019-50 supporting the installation of a crosswalk at the intersection of State Route 48 and Corwin Nixon Boulevard; and,

WHEREAS, TEC Engineering, Inc. has prepared a grant application for the ODOT Highway Safety Program funding for said crosswalk Project;

WHEREAS, the estimated cost of this Project is as follows with no local share required:

Project	Village Engineer's Cost Estimate
SR48/Corwin Nixon Blvd Crosswalk Improvements	\$98,959.05

WHEREAS, immediate action is required for the Village to submit the application to ODOT to expedite the review in anticipation of being awarded funding at the earliest possible date, and such action is necessary in order to preserve the public peace, health, safety or welfare of the Village.

NOW, THEREFORE, BE IT RESOLVED by the Council of the Village of South Lebanon, Ohio, at least two-thirds of all members elected thereto concurring:

Section 1. That the Council approves and authorizes the submittal of a grant application to the Ohio Department of Transportation (ODOT) Abbreviated Highway Safety Program , a copy of which is attached hereto.

Section 2. That the recitals contained within the Whereas Clauses set forth above are incorporated by reference herein.

Section 3. That this Resolution is hereby declared to be an emergency measure in accordance with Ohio Rev. Code § 731.30 for the immediate preservation of the public peace, health, safety and general welfare; and, this Resolution shall be in full force and effective immediately upon its passage.

Section 4. That it is found and determined that all formal actions of the Council concerning and relating to the adoption of this Resolution were adopted in an open meeting of Council in compliance with all legal requirements, including Section 121.22 of the Ohio Revised Code.

Adopted this 20th day of February, 2020.

Attest: Nicole Armstrong James D. Smith
Nicole Armstrong, Fiscal Officer/Clerk James D. Smith, Mayor

Rules Suspended: / /2020 (if applicable) Effective Date – / /2020

Vote - 5 Yeas
_____ Nays

First Reading – / /2020
Second Reading – / /2020
Third Reading – / /2020

Effective Date – / /2020

Vote - _____ Yeas
_____ Nays

Prepared by and approved as to form:

PAUL R. REVELSON
VILLAGE SOLICITOR
SOUTH LEBANON, OHIO

By: _____

Date: 2/20/2020

General Project Information

Project Sponsoring Agency	Village of South Lebanon, TEC Engineering
Project Name	SR 48 & Corwin Nixon
PID	Abbreviated Safety Application
Project Manager	Jerry Haddix
Contact Phone	(513) 770-4871
Contact Email	jhaddix@southlebanonohio.org

Location Information

ODOT District	8	County	WAR
Route Number	SR-48R	Road Name	SR 48
Begin Logpoint	9.491	End Logpoint	0.000
Begin Latitude	39.379	Begin Longitude	-84.223
End Latitude		End Longitude	

Project Description

Summary of Crash Patterns

There were 58 crashes at the intersection of SR 48 (SLM 9.49) & Corwin Nixon Road in the Village of South Lebanon from 2016-2018. By year, there were 27 crashes in 2016, 18 crashes in 2017, and 13 crashes in 2018. Regarding injuries, there were 0 fatalities and 11 injury crashes (none were incapacitating) during the study period. Crashes occurred most often in daylight (79%) and dry conditions (74%). The largest crash trend was rear ends in the westbound direction on Corwin Nixon. A great majority of these rear ends occurred in the right turn lane when vehicles were attempting to turn right on red. A secondary crash trend was rear end crashes in the southbound direction.

Summary of Recommended Countermeasures

Recommended countermeasures focus on traffic control visibility and inclusion of pedestrian facilities. Included are quantities for installing supplementary near-side signal heads for the the southbound and westbound directions, pedestrian pushbuttons, pedestrian countdown signal heads, a concrete refuge island, and a spanwire sign support assembly for the westbound leg to better define lane assignments.

Project Priority Information

WAR SR 48 9.42-9.52 is ranked #50 in the SFY 2020 Safety Integrated Project (SIP) map.

Safety Funding Application

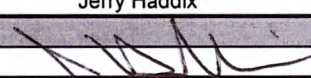
Crash Data					
Crash Totals					
	Fatal & Serious Injury (KA)	Visible Injury (B)	Non-Visible (C)	Property Damage Only (O)	Total
Existing Conditions: Predicted Crash Frequency	0.1165	0.5321	0.7466	3.6396	5.03
Existing Conditions: Expected Crash Frequency	0.1623	0.7691	1.1343	10.4171	12.48
Potential for Safety Improvement	0.0458	0.2370	0.3877	6.7775	7.45
Proposed Conditions: Expected Crash Frequency	0.1490	0.7067	1.0428	10.0655	11.96
Observed Crashes	0.0000	1.6667	2.0000	15.0000	18.67
Observed People Injury Totals					
	Fatal Injury (K)	Serious Injury (A)	Visible Injury (B)	Non-Visible (C)	Total
Observed People Injury Totals	0.0000	0.0000	1.6667	2.3333	4.00
Application Scoring					
Category	Scoring Value	Points Awarded	Points Possible		
Expected Crash Frequency	12.48	8	10		
Ratio of Observed Fatal and Serious Injuries to Observed Total Crashes	0.00	0	5		
% of the Potential for Safety Improvement to Total Expected Crashes	59.70%	20	20		
Relative Severity Index	\$23,278	2	10		
Equivalent Property Damage Only Index	2.15	2	5		
Volume to Capacity Ratio	0.63	2	10		
Benefit Cost Ratio	1.37	9	30		
Safety Funding Request Percentage	100.00%	0	10		
Total		43	100		

Strategic Highway Safety Plan	
Functional Class	Other Principal Arterial Roadway
Major Route AADT	17,429
Ohio Emphasis Area	Emphasis Area V - Incident and Congestion Related Crashes
Ohio Emphasis Area Subcategory	Rear End Crashes
FHWA Emphasis Area	Improving the design and operation of highway intersections
FHWA Improvement Category	Intersection traffic control
FHWA Improvement Subcategory	Systemic improvements - signal-controlled

Work Locations					
NLFID	Begin Logpoint	End Logpoint	Begin Latitude	Begin Longitude	Location Termini (i.e. from Street 1 to Street 2)
SWARSR00048**C	9.491	0.000	39.379	-84.2230	SR 48 & Corwin Nixon

Safety Funding Application

Project Funding							
Project Phase	Safety Study	Interchange Mod. Study	PE - Environmental	PE - Detailed Design	Right of Way /Utilities	Construction	Total
Fiscal Year				2020		2020	
Project Phase Completed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A	
Previous Safety							\$0.00
New Safety				\$15,965.00		\$83,018.00	\$98,983.00
Sponsor Funding							\$0.00
Total	\$0.00	\$0.00	\$0.00	\$15,965.00	\$0.00	\$83,018.00	\$98,983.00
Additional Funding Detail							

Applicant Information		
Name	Title	Phone Number
Jerry Haddix	Village Administrator	(513) 770-4871
 Signature		Date
		February 18, 2020

Version: 20150917

The following information should be included in submission of the safety project application:

1. An electronic copy of the Safety Engineering Study
2. All Excel Analysis Files
 - May include Crash Analysis Module (CAM) Tool, Economic Crash Analysis Tool (ECAT), HSIP Application and Scoring Tool.
3. Benefit-Cost Results (Economic Analysis)
4. DSRT approval signatures

SR 48 & Corwin Nixon				
Item	Unit Cost (\$)	Quantity	Total (\$)	
Supplementary Signal Head (SB & WB Direction)	\$ 750.00	2	\$	1,500.00
7 Conductor (Signal Head)	\$ 5.00	300	\$	1,500.00
Controller Programming	\$ 500.00	1	\$	500.00
Pedestrian Signal Head	\$ 750.00	4	\$	3,000.00
Pedestrian Pushbuttons	\$ 500.00	4	\$	2,000.00
5 Conductor (Ped)	\$ 5.00	900	\$	4,500.00
Crosswalk Striping	\$ 20.00	300	\$	6,000.00
Concrete Island - Refuge Island	\$ 20,000.00	1	\$	20,000.00
Unlash & Relash Span	\$ 6.75	200	\$	1,350.00
Overhead Sign Support Assembly	\$ 16,000.00	1	\$	16,000.00
Total		\$		56,350.00
TOTALS		\$		56,350.00
Inspection (10%)			\$	5,635.00
Contingency (30%)			\$	18,595.50
Design (25%)			\$	15,496.25
Inflation (3%)			\$	2,882.30
Grand Total			\$	98,959.05