nput Dat	a Sile	<b>-</b>			Sheet		heet		d Collision	— GO TC	) Justification	on:	
Vhat are the in	ersecting	oadways?	Со	untryside Dr	and Bellini A	Ave							
Vhat is the dire	ction of the	Main Road	street?	Eas	st-West	⊌	When was t	he data coll	ected?	2023/01/24			
lustification	1 - 4: V	olume Wa	rrants										
Number of I	anes on th	e Main Road	1?	2 or more	-								
Number of I	anes on th	e Minor Roa	d?	1	-								
:- How many	approaches	3? 4	_										
·				Urban	•	Popul	ation > 10,000	AND	Speed < 70	km/hr			
I What is the	operating eight hour	environment vehicle volu	? me at the i	ntersection?	(Please fil	II in table be	low)						Podostriano
d What is the e What is the	operating eight hour	environment vehicle volu	? me at the i	ntersection?	(Please file	Il in table be	low) Main We	estbound Ap	proach	Minor Sc	outhbound /		Pedestrians Crossing Main
What is the What is the	operating eight hour  Main Ea	environment vehicle volu astbound Ap TH	me at the i	ntersection?  Minor No	(Please file	Il in table be Approach RT	low) Main We LT	stbound Ap	proach RT	Minor So	TH	RT	Crossing Main
- What is the - What is the - What is the	operating eight hour  Main Ea  LT	environment vehicle volu astbound Ap TH 651	me at the i	Minor No	(Please file	Il in table be	Main We	estbound Ap TH 897	proach RT	Minor So	<b>TH</b> 0	RT 4	Crossing Main Road
- What is the - What is the Hour Ending 7:00 8:00	operating eight hour  Main E  LT  2  4	environment vehicle volu astbound Ap TH 651 755	me at the i	ntersection?  Minor No	(Please file	Approach RT 2 8	Main We LT 2 3	estbound Ap TH 897 970	proach  RT  1  13	Minor So LT 11 10	TH	RT 4 0	Crossing Main Road 2 1
- What is the - What is the Hour Ending 7:00 8:00 9:00	operating eight hour  Main Ea  LT	vehicle volu astbound Ap TH 651 755 384	me at the i	Minor No LT 1 4 1	(Please file	Approach RT 2 8 5	Main We LT 2 3 1	estbound Ap TH 897 970 405	proach  RT  1  13  7	Minor Sc LT 11 10 8	TH 0 1	RT 4 0 4	Crossing Main Road 2 1 2
- What is the - What is the Hour Ending 7:00 8:00 9:00 10:00	operating eight hour  Main E  LT  2  4  2  1	environment vehicle volu astbound Ap TH 651 755 384 437	eme at the i	Minor No LT 1 4 1 3	Orthbound A  TH  0 0 0 1	Approach RT 2 8 5 9	Main We LT 2 3 1	estbound Ap TH 897 970 405 412	proach  RT  1  13  7	Minor Sc LT 11 10 8	TH 0 1 1 1 3	RT 4 0 4 4 4	Crossing Main Road 2 1 2 6
- What is the - What is the Hour Ending 7:00 8:00 9:00 10:00 15:00	operating of eight hour  Main E  LT  2  4  2  1	environment vehicle volu astbound Ap TH 651 755 384 437 475	me at the i	Minor No LT 1 4 1 3	rthbound A  TH  0 0 0 1	Il in table be	Main We  LT  2  3  1  9  4	estbound Ap TH 897 970 405 412 454	proach  RT  1  13  7  7  5	Minor Sc LT 11 10 8 8	TH 0 1 1 3 0	RT 4 0 4 4 4 0 0	Crossing Main Road 2 1 2
- What is the - What is the - What is the - Whour Ending - 7:00 - 8:00 - 9:00 - 10:00 - 15:00 - 16:00	operating eight hour  Main Ea  LT  2  4  2  1  2  7	environment vehicle volu astbound Ap TH 651 755 384 437 475 986	me at the i	Minor No LT 1 4 1 3	rthbound A  TH  0 0 1 1 1 0	Il in table be Approach RT 2 8 5 9 4 6	Main We LT 2 3 1 9 4 11	estbound Ap TH 897 970 405 412 454 793	proach  RT  1  13  7  7  5  27	Minor Sc LT 11 10 8 8 9	TH 0 1 1 1 3	RT 4 0 4 4 0 9 9	Crossing Main Road 2 2 1 2 2 6 6 1 1 1 1
1 What is the  Hour Ending  7:00  8:00  9:00  10:00  15:00	operating of eight hour  Main E  LT  2  4  2  1	environment vehicle volu astbound Ap TH 651 755 384 437 475	me at the i	Minor No LT 1 4 1 3	rthbound A  TH  0 0 0 1	Il in table be	Main We  LT  2  3  1  9  4	estbound Ap TH 897 970 405 412 454	proach  RT  1  13  7  7  5	Minor Sc LT 11 10 8 8	TH 0 1 1 3 0	RT 4 0 4 4 4 0 0	Crossing Main Road 2 1 2 6

# **Justification 5: Collision Experience**

Preceding Months	Number of Collisions*
1-12	0
13-24	1
25-36	0

\* Include only collisions that are susceptable to correction through the installation of traffic signal control

# **Justification 6: Pedestrian Volume**

a.- Please fill in table below summarizing total pedestrians crossing major roadway at the intersection or in proximity to the intersection (zones). Please reference Section 4.8 of the Manual for further explanation and graphical representation.

	Zor	ie 1	Zo	ne 2	Zone 3 (i	needed)	Zone 4 (i	f needed)	Total
	Assisted	Unassisted	Assisted	Unassisted	Assisted	Unassisted	Assisted	Unassisted	TOTAL
Total 8 hour pedestrian volume	0	25	0	0	0	0	0	0	
Factored 8 hour pedestrian volume	25		0		0		0		
% Assigned to crossing rate	100	0%	50	)%	0'	%	0	%	
Net 8 Hour Pedestrian Volume at Cross	Net 8 Hour Pedestrian Volume at Crossing							25	
Net 8 Hour Vehicular Volume on Street Being Crossed							11,905		

b.- Please fill in table below summarizing delay to pedestrians crossing major roadway at the intersection or in proximity to the intersection (zones). Please reference Section 4.8 of the Manual for further explanation and graphical representation.

	Zo	ne 1	Zo	ne 2	Zone 3 (i	f needed)	,	if needed)	Total
	Assisted	Unassisted	Assisted	Unassisted	Assisted	Unassisted	Assisted	Unassisted	IOtal
Total 8 hour pedestrian volume	0	25	0	0	0	0	0	0	
Total 8 hour pedestrians delayed greater than 10 seconds	0	0	0	0	0	0	0	0	
Factored volume of total pedestrians	25		0		0		0		
Factored volume of delayed pedestrians	0		0		0		0		
% Assigned to Crossing Rate	10	0%	50	0%	0	1%	(	0%	
Net 8 Hour Volume of Total Pedestrians							25		
Net 8 Hour Volume of Delayed Pedestrians							0		

Input Sheet

-

Count Date: 2023/01/24

**Proposed Collision** 

### **Justification 1: Minimum Vehicle Volumes**

#### Free Flow Rural Conditions

Justification	Gu	iidance Ap	proach Lan	es				Percentage	Warrant				Total	Section
Justilication	1 La	nes	2 or Mor	e Lanes				Hour Er	nding				Across	Percent
Flow Condition	FREE FLOW	RESTR. FLOW	FREE FLOW	RESTR. FLOW	7:00	8:00	9:00	10:00	15:00	16:00	17:00	18:00		
1A	480	720	600	900	1,575	1,773	819	901	957	1,864	2,106	2,154		
1A	COMPLIANCE %			100	100	100	100	100	100	100	100	800	100	
48	120	170	120	170	18	23	19	28	15	36	23	22		
''	1B COMPLIANCE %				15	19	16	23	13	30	19	18	153	19
	Free Flow Signal Justification 1:												<u> </u>	

# **Justification 2: Delay to Cross Traffic**

# Free Flow Rural Conditions

Justification	Gı	uidance Ap	proach Lan	es		Percentage Warrant							Total	Section
Justinication			2 or Mo	re lanes		Hour Ending								Percent
Flow Condition	FREE FLOW	RESTR. FLOW	FREE FLOW	RESTR. FLOW	7:00	8:00	9:00	10:00	15:00	16:00	17:00	18:00		
2A	480	720	600	900	1,557	1,750	800	873	942	1,828	2,083	2,132		
ZA	COMPLIANCE %			100	100	100	100	100	100	100	100	800	100	
an.	50	75	50	75	14	16	12	20	12	22	20	22		
28	COMPLIANCE %				28 32 24 40 24				24	44 40 44			276	35
	Free Flow Signal Justification 2:										<b>V</b>			

# **Justification 3: Combination**

#### Combination Justification 1 and 2

	Justification Satisfied 80% or Mo	Two Justifications Satisfied 80% or More			
Justification 1	Minimum Vehicle Volume	YES 🗆	NO 🗹	YES 🗆	NO 🔽
Justification 2	Delay Cross Traffic	NO 🔽		NOT JUSTIFIED	

### **Justification 4: Four Hour Volume**

Justification	Time Period	Total Volume of Both Approaches (Main) X	Heaviest Minor Approach Y (actual)	Required Value Y (warrant threshold)	Average % Compliance	Overall % Compliance
	8:00	1,750	12	115	10 %	
Justification	16:00	1,828	27	115	23 %	16 %
4	17:00	2,083	19	115	17 %	10 /0
	18:00	2,132	17	115	15 %	

Intersection: Countryside Dr and Bellini Ave

Count Date: 2023/01/24

# **Justification 5: Collision Experience**

	Justification	Preceding Months	% Fulfillment	Overall % Compliance
ı		1-12	0 %	
ı	Justification 5	13-24	20 %	7 %
	•	25-36	0 %	

# **Justification 6: Pedestrian Volume**

# Pedestrian Volume Analysis

	8 Hour Vehicular	Net 8 Hour Pedestrian Volume							
	Volume V <sub>8</sub>	< 200	200 - 275	276 - 475	476 - 1000	>1000			
	< 1440								
Justification	1440 - 2600								
6A	2601 - 7000								
	> 7000	Not Justified							

### **Pedestrian Delay Analysis**

	Net Total 8 Hour Volume	Net Total 8 H	Net Total 8 Hour Volume of Delayed Pedestrians					
	of Total Pedestrians	< 75	75 - 130	> 130				
	< 200	Not Justified						
Justification 6B	200 - 300							
	> 300							

Results	Sheet	Input Sheet Analys	sis Sheet	Propo	sed Collision	GO TO Justification:
Intersection:	Countryside Dr and Bellini A	ve Count D	oate: 2023/01/2	24		
Summary	Results					
	Justification	Compliance	Signal	Justified?	]	
			YES	NO		
1. Minimum Vehicular	A Total Volume	100 %		V		
Volume	B Crossing Volume	19 %				
2. Delay to Cross	A Main Road	100 %		V		
Traffic	B Crossing Road	35 %				
3. Combination	n A Justificaton 1	19 %		V		
	B Justification 2	35 %				
4. 4-Hr Volume	•	16 %		~		
					=	
5. Collision Ex	perience	7 %		V		
6. Pedestrians	A volume	Justification not met		~		
	P. Dolov	Justification not mot				