

		Scenario 2			
	Assumed Warrant 1	War	rant 3		
Intersection	Satisfied? (Y/N)	Satisfie	Satisfied? (Y/N)		Assumption
		AM	PM	2A	2B
N. 9th St & N St	Υ	Υ	Υ	Maintain	Maintain
N. 9th St & M St	N	Υ	Υ	Maintain	Maintain
N. 10th St & N St	Υ	Υ	Υ	Maintain	Maintain
N. 10th St & M St	Υ	Υ	Υ	Maintain	Maintain
N. 11th St & Q St	N	N	N	Maintain	Maintain
N. 11th St & P St	N	N	N	Maintain	Maintain
N. 11th St & O St	N	N	Υ	Maintain	Maintain
N. 11th St & N St	N	N	N	Maintain	Remove
N. 11th St & M St	N	N	N	Maintain	Remove
N. 11th St & L St	N	N	Υ	Maintain	Maintain
N. 11th St & K St	Υ	Υ	N	Maintain	Maintain
N. 12th St & N St	N	N	N	Maintain	Remove
N. 12th St & M St	N	N	N	Maintain	Remove
N. 12th St & L St	N	N	N	Maintain	Maintain
N. 12th St & K St	N	N	N	Maintain	Maintain
N. 13th St & O St	N	N	Υ	Maintain	Maintain
N. 13th St & N St	N	N	N	Maintain	Remove
N. 13th St & M St	N	N	N	Maintain	Remove
N. 13th St & L St	Υ	N	Υ	Maintain	Maintain
N. 13th St & K St	Υ	Υ	Υ	Maintain	Maintain
N. 14th St & Q St	Υ	N	Υ	Maintain	Maintain
N. 14th St & P St	N	N	N	Maintain	Maintain
N. 14th St & O St	N	N	Υ	Maintain	Maintain
N. 14th St & N St	N	N	N	Maintain	Remove
N. 14th St & M St	N	N	N	Maintain	Remove
N. 14th St & L St	Υ	N	Υ	Maintain	Maintain
N. 14th St & K St	N	N	Υ	Maintain	Maintain
Centennial Mall & N St	N	N	N	Maintain	Remove
Centennial Mall & M St	N	N	N	Maintain	Remove
N. 16th St & N St	N	N	N	Maintain	Maintain
N. 16th St & M St	N	N	N	Maintain	Maintain
N. 17th St & N St	N	N	Υ	Maintain	Maintain
N. 17th St & M St	N	N	N	Maintain	Maintain

TRAFFIC SIGNAL WARRANT SUMMARY						
City: County: District:	Lincoln		Engineer: Date:	John P Diediker January 15, 2020		
Major Street: Minor Street:	S 9th St N St		Lanes: 4 Lanes: 2	Major Approach Speed Minor Approach Speed		
MUTCD Electronic Reference	to Chapter 4: <a 70%"="" href="http://new.new.new.new.new.new.new.new.new.new.</td><td>//mutcd.fhwa.dot.gov</td><td><u>//pdfs/2009r1r2/part</u></td><td>4.pdf</td><td></td></tr><tr><td>1. Is the posted speed of 2. Is the intersection in a " level="" may<="" td="" volume=""><td>built-up area of an isolate be used if Question 1 or 2</td><td>ed community with a</td><td>population < 10,00</td><td>☐ Yes ☑ No ☐ Yes ☑ No ☐ 70% ☑ 10</td><td>0</td>	built-up area of an isolate be used if Question 1 or 2	ed community with a	population < 10,00	☐ Yes ☑ No ☐ Yes ☑ No ☐ 70% ☑ 10	0
WARRANT 3 - PEAK HO If all three criteria are fulfithen the warrant is satisfit Unusual condition justifying us warrant:	illed <u>or</u> the plotted point leed.	Plot volume com	bination on the applic	Applicable: Yes No Satisfied: Yes No able figure below.		
AM 2601 Peak Hour 70% Volume Time Major Vol. Mir	NOT VOI. NOT VOI.	0 500 600 700 800 MAJOR STREE	2 OR MORE LANES & 2 OR MORE LANES & 2 O 900 1000 1100 12 TTOTAL OF BOTH APPR	2 OR MORE LANES & 1 LANE 1 LANE & 1 LANE 00 1300 1400 1500 1600 1700 OACHES - VPH		
Criteria 1. Delay on Minor Approar *(vehicle-hours) Approach Lanes 1 Delay Criteria* 4.0 Delay* Fulfilled?: Yes ✓ 2. Volume on Minor Approar One-Direction *(vehicles per Approach Lanes 1 Volume Criteria* 100 Volume* Fulfilled?: Yes ✓ 3. Total Intersection Enterior Volume *(vehicles per hour No. of Approaches 3	2 5.0 No No HdA + 400 Ach hoour) 2 150 No	applies as the lower thresho	4: Criteria for "70 0,000 population or above 2 OR MORE LANE	70 km/hr (40 mph) on Major Street)		
Volume Criteria* 650 Volume* Fulfilled?: Yes	* Note: 100 vph	MAJOR STREET applies as the lower threshold	- TOTAL OF BOTH APPROA			

TRAFFIC ENGINEERING State of Florida Department of Transportation TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 15, 2020 District: Major Street: S 9th St Major Approach Speed: Lanes: 25 N St Minor Street: Lanes: Minor Approach Speed: 25 http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf MUTCD Electronic Reference to Chapter 4: **Volume Level Criteria** Yes ✓ No 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes 🗸 No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? 70% 🗸 100% "70%" volume level may be used if Question 1 or 2 above is answered "Yes"

WARRANT 3 - PEAK HOUR

If all three criteria are fulfilled or the plotted point lies above the appropriate line, then the warrant is satisfied.

500

400

300

✓ Yes No Applicable: ✓ Yes No Satisfied:

Unusual condition justifying use of warrant:

Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided.

Peak Hour 100% Volume					
Time	Major Vol. Minor Vol.				
PM	2589	286			

Peak Hour 70% Volume				
Time	Major Vol.	Minor Vol.		

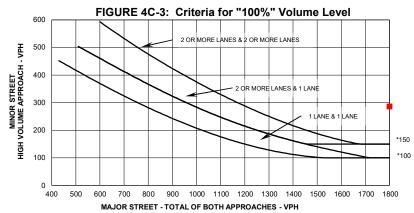
Criteria

1. Delay on Minor Approach				
*(vehicle-hours)				
Approach Lanes 1 2				
Delay Criteria*	4.0	5.0		
Delay*				
Fulfilled?: Yes V No				

2. Volume on Minor Approach				
One-Direction *(vehicles per hour)				
Approach Lanes 1 2				
Volume Criteria*	100	150		
Volume*				
Fulfilled?:	∕es ✓	No		

Total Intersection Entering Volume *(vehicles per hour)				
No. of Approaches 3 4				
Volume Criteria*		650	800	
Volume*				
Fulfilled?: Yes Vo				

Plot volume combination on the applicable figure below.



* Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street)

2 OR MORE LANES & 2 OR MORE LANES 2 OR MORE LANES & 1 LANE

MINOR STREET HIGH VOLUME APPROACH - VPH 200 *100 100 *75 0 300 600 1300

MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH * Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

TRAF	FIC SIGNAL WARRANT SUMMARY
City: Linco County: District:	Engineer: John P Diediker Date: January 14, 2020
Major Street: Minor Street:	S 9th StLanes:4Major Approach Speed:25M StLanes:2Minor Approach Speed:25
MUTCD Electronic Reference to Chapte	er 4: http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf
Volume Level Criteria 1. Is the posted speed or 85th-per	centile of major street > 40 mph (70 km/h)?
	rea of an isolated community with a population < 10,000?
WARRANT 3 - PEAK HOUR If all three criteria are fulfilled or the then the warrant is satisfied. Unusual condition justifying use of warrant:	ne plotted point lies above the appropriate line, Satisfied: Plot volume combination on the applicable figure below. FIGURE 4C-3: Criteria for "100%" Volume Level
Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided.	2 OR MORE LANES & 2 OR MORE LANES
Peak Hour 100% Volume Time Major Vol. Minor Vol. AM 2274 160 Peak Hour 70% Volume Time Major Vol. Minor Vol.	#INOW WIND AND AND AND AND AND AND AND AND AND A
Criteria	0 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH * Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and
1. Delay on Minor Approach *(vehicle-hours) Approach Lanes 1 2 Delay Criteria* 4.0 5.0 Delay* Fulfilled?: Yes V No	FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street)
2. Volume on Minor Approach One-Direction *(vehicles per hour) Approach Lanes 1 2 Volume Criteria* 100 150 Volume* Fulfilled?: Yes V No	2 OR MORE LANES & 2 OR MORE LANES 2 OR MORE LANES & 1 LANE 1 LANE & 1 LANE
3. Total Intersection Entering Volume *(vehicles per hour) No. of Approaches 3 4 Volume Criteria* 650 800 Volume*	*100 *100 *100 *75 300 400 500 600 700 800 900 1000 1100 1200 1300 MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH * Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and

Oit				En ain a	L. L. B. S.	-121
City: Li County:	ncoln	-		Engineer: Date:	John P Die January 14	
District:				Date.	January 14	, 2020
Major Street:	S 9th St			Lanes: 4	Major Approac	ch Speed: 2
Minor Street:	M St			Lanes: 2	Minor Approac	h Speed:
MUTCD Electronic Reference to Ch	apter 4: <u>http:</u>	//mutcd.fhwa	ı.dot.gov/pd	lfs/2009r1r2/part	<u>4.pdf</u>	
olume Level Criteria						
Is the posted speed or 85th	percentile of maior	street > 40 r	mph (70 km	/h)?	Y	es 🗸 No
2. Is the intersection in a built-					002 TY	es 🗸 No
					_	_
"70%" volume level may be us	ed if Question 1 or	2 above is ar	nswered "Ye	es"	70	0% 🔽 100%
VARRANT 3 - PEAK HOUR						
If all three criteria are fulfilled	or the plotted point	ies ahove th	e annronria	ate line A	pplicable: 🗸 Y	es No
then the warrant is satisfied.	<u>n</u> the plotted point	100 00000 111	с арргорпа	no mio,	Satisfied:	es No
Unusual condition justifying use of		Plot vol	ume combina	ation on the applic	able figure below.	
warrant:		FIG	URE 4C-3:	Criteria for "1	00%" Volume Le	vel
	600		$\overline{\Box}$			
Record hour when criteria are fulfilled	₹ 500	\rightarrow		2 OR MORE LANES & 2	OR MORE LANES	
and the corresponding delay or volume	> <u>+</u>			$\downarrow \mid \mid \mid \mid \mid$		
in boxes provided.	OOP COAC				D MODELANIES & 41 ANIE	
Peak Hour 100% Volume	MINOR STREET MICH VOLUME APPROACH - VPH HIGH VOLUME APPROACH - VPH			20	R MORE LANES & 1 LANE	
Time Major Vol. Minor Vo	- I RON H			$\downarrow \uparrow \downarrow \downarrow$	1 LANE 8	k 1 LANE
PM 2682 286	[™] o 200					*15
Peak Hour 70% Volume						*1
Time Major Vol. Minor Vo	4					
Time Iwajor voi. Iviinor vo	0 40	500 600	700 800 9	900 1000 1100 12	00 1300 1400 1500	1600 1700 1800
				OTAL OF BOTH APPR		1000 1100 1000
Criteria					t approach with two or mo	
 Delay on Minor Approach *(vehicle-hours) 	100 vph	applies as the lov	wer threshold vo	olume threshold for a n	ninor street approach with	one lane.
pproach Lanes 1 2	1	EIGI	IDE AC A:	Critoria for "70	%" Volume Leve	
elay Criteria* 4.0 5.0					70 km/hr (40 mph) on M	
elay*	500					
ulfilled?: Yes Vo				2 OR MORE LANE:	S & 2 OR MORE LANES	
2. Volume on Minor Approach	∃					
One-Direction *(vehicles per hour)	COAC			2 OR MORE LAI	NES & 1 LANE	
pproach Lanes 1 2	APPR 300					
olume Criteria* 100 150	UME		$\backslash \mathcal{N}$		1 LANE & 1 LANE	
olume*	MINOR STREET MIGH VOLUME APPROACH - VPH 700				K^{+}	
ulfilled?: Yes Vo				—		
3. Total Intersection Entering	100					*10
Volume *(vehicles per hour)						
o. of Approaches 3 4	300	400 50	00 600	700 800 9	900 1000 1100	1200 1300
olume Criteria* 650 800	11			TAL OF BOTH APPROA		

Form 750-020-01 TRAFFIC ENGINEERING State of Florida Department of Transportation TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 15, 2020 District: Major Street: 10th St Major Approach Speed: Lanes: 25 N St Minor Street: Lanes: Minor Approach Speed: 25 http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf MUTCD Electronic Reference to Chapter 4: **Volume Level Criteria** Yes ✓ No 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes 🗸 No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? 70% 🗸 100% "70%" volume level may be used if Question 1 or 2 above is answered "Yes" **WARRANT 3 - PEAK HOUR** ✓ Yes No Applicable: If all three criteria are fulfilled or the plotted point lies above the appropriate line, ✓ Yes No then the warrant is satisfied. Satisfied: Plot volume combination on the applicable figure below. Unusual condition justifying use of warrant: FIGURE 4C-3: Criteria for "100%" Volume Level 600 2 OR MORE LANES & 2 OR MORE LANES 500 Record hour when criteria are fulfilled

Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided.

Peak Hour 100% Volume				
Time	Major Vol. Minor Vol.			
AM	AM 2417 205			

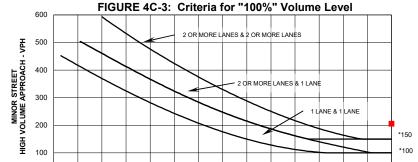
Peak Hour 70% Volume					
Time	Time Major Vol. Minor Vol.				

Criteria

1. Delay on Minor Approach				
*(vehicle-hours)				
Approach Lanes 1 2				
Delay Criteria*	4.0	5.0		
Delay*				
Fulfilled?: Yes V No				

2. Volume on Minor Approach					
One-Direction *(vehic	les per	hour)			
Approach Lanes	1	2			
Volume Criteria*	Volume Criteria* 100				
Volume*					
Fulfilled?:	∕es ✓	No			

3. Total Intersection Entering					
Volume *(vehicles	per hou	ır)			
No. of Approaches	3	4			
Volume Criteria* 650					
Volume*					
Fulfilled?: Yes V No					



900 1000 1100 1200 1300 1400

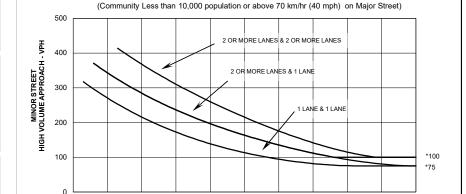
1500 1600 1700 1800

* Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH

FIGURE 4C-4: Criteria for "70%" Volume Level

700 800



*Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

600

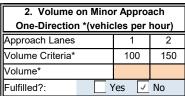
400 500

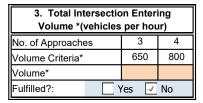
300

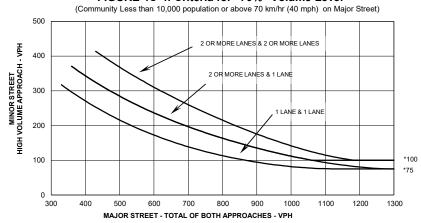
TRAF	FIC SIGNA	LWARRA	NT SUMMAR	Y	10/1
City: Linco County: District:	In		Engineer: Date:	John P Diediker January 15, 2020	
Major Street: Minor Street:	10th St N St		Lanes: 4 Lanes: 2	Major Approach Speed:	
MUTCD Electronic Reference to Chapte	r 4: <u>http://m</u>	utcd.fhwa.dot.gov	<u>//pdfs/2009r1r2/part</u>	<u>4.pdf</u>	
Nolume Level Criteria 1. Is the posted speed or 85th-pero 2. Is the intersection in a built-up a "70%" volume level may be used if	rea of an isolated	community with a	population < 10,00	Yes ✓ No Yes ✓ No 70% ✓ 10	
WARRANT 3 - PEAK HOUR If all three criteria are fulfilled or the then the warrant is satisfied. Unusual condition justifying use of warrant:	e plotted point lies	Plot volume com	bination on the applica	_	
Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided. Peak Hour 100% Volume Time Major Vol. Minor Vol. PM 2286 520 Peak Hour 70% Volume Time Major Vol. Minor Vol. Criteria		500 600 700 80 MAJOR STREE	2 OR MORE LANES & 2 2 OR MORE LANES & 2 2 O 2 O 2 O 3 0 900 1000 1100 120 2 T - TOTAL OF BOTH APPR	1 LANE & 1 LANE 1 LANE & 1 LANE	*150 *100
1. Delay on Minor Approach *(vehicle-hours) Approach Lanes 1 2 Delay Criteria* 4.0 5.0 Delay* Fulfilled?: Yes No 2. Volume on Minor Approach One-Direction *(vehicles per hour) Approach Lanes 1 2 Volume Criteria* 100 150 Volume* Fulfilled?: Yes No 3. Total Intersection Entering Volume *(vehicles per hour) No. of Approaches 3 4		FIGURE 4C	4: Criteria for "70" 0,000 population or above 2 OR MORE LANES	70 km/hr (40 mph) on Major Street)	*100 *75
Volume Criteria* 650 800 Volume*	* Note: 100 vph app	MAJOR STREET blies as the lower threshol	- TOTAL OF BOTH APPROA		

County: District: Major Street: 10th St Lanes: 4 Major Approach Speed: 2 Minor Approach Speed: 2 Mino	City: Lir	ncoln Engineer: John P Diediker
Major Street: 10th St Lanes: 4 Major Approach Speed: 2 Minor Street: MSt Lanes: 4 Major Approach Speed: 2 Minor Street: MSt Lanes: 4 Major Approach Speed: 2 Minor Street: MSt Lanes: 4 Major Approach Speed: 2 Minor Street: MSt Lanes: 4 Major Approach Speed: 2 Minor Street: MSt Lanes: 4 Major Approach Speed: 2 Minor Street: MSt Lanes: 4 Major Approach Speed: 2 Minor Street: 4 Minor Street: 4 Minor MSt Lanes: 4 Major Approach Speed: 2 Minor Approach Speed: 2 Minor Street: 4 Minor MSt Lanes: 4 Major Approach Speed: 2 Minor Approach Speed: 2 Minor Approach Speed: 2 Minor MSt Lanes: 4 Major Approach Speed: 2 Minor MSt Lanes: 4 Minor MSt L		
Minor Street: M St Lanes: 2 Minor Approach Speed: 2 INTCD Electronic Reference to Chapter 4: http://mutod.fhwa.dot.gov/pdfs/2009r1/2/part4.pdf Interpretation		Date. 0411441 10, 2020
Minor Street:	Major Chroat	404b C4
Litto Littor Li		
1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)?	Minor Street:	Lanes: 2 Milnor Approach Speed: 2
1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? "70%" volume level may be used if Question 1 or 2 above is answered "Yes" [70%	UTCD Electronic Reference to Cha	apter 4: http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf
2. Is the intersection in a built-up area of an isolated community with a population < 10,000? Yes No "70%" volume level may be used if Question 1 or 2 above is answered "Yes" 70%	olume Level Criteria	
### Windows Peak Hour 100% Volume Time Major Vol. Minor Vol.	1. Is the posted speed or 85th-	percentile of major street > 40 mph (70 km/h)?
### Applicable: ### Note: 150 yph applies as the lower threshold volume threshold for a minor street approach with one lane. ### Applicable: ### No Satisfied: ### Note: 150 yph applies as the lower threshold volume threshold for a minor street approach with one lane. #### Pick Volume	2. Is the intersection in a built-ւ	up area of an isolated community with a population < 10.000? ☐ Yes ✓ No
### Applicable: Yes No		
If all three criteria are fulfilled or the plotted point lies above the appropriate line, Applicable: Ves No Satisfied: Ves No	"70%" volume level may be use	ed if Question 1 or 2 above is answered "Yes"
that three criteria are fulfilled of the plotted point lies above the appropriate line, Satisfied: Yes No Satisfied: Yes No Plot volume combination on the applicable figure below. Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided. Peak Hour 100% Volume Time Major Vol. Minor Vol. AM 2547 190 Peak Hour 70% Volume Time Major Vol. Minor Vol. Minor Vol. AM 2547 190 Peak Hour 70% Volume Time Major Vol. Minor V	/ARRANT 3 - PEAK HOUR	
Unusual condition justifying use of warrant: Plot volume combination on the applicable figure below.	If all three criteria are fulfilled o	or the plotted point lies above the appropriate line Applicable: Yes No
Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided. Peak Hour 100% Volume Time Major Vol. Minor Vol. AM 2547 190 Peak Hour 70% Volume Time Major Vol. Minor Vol. Major Vol. Minor Vol. *Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor street approach with one lane. *Note: 150 vph applies as the lower threshold volume for a minor street approach with none lane. *FIGURE 4C-3: Criteria for "100%" Volume 1 LIANE & I LANE *Note: 150 vph applies as the lower threshold volume for a minor street approach with one lane. *Note: 150 vph applies as the lower threshold volume for a minor street approach with one lane. *FIGURE 4C-3: Criteria for "100%" Volume Level *Note: 150 vph applies as the lower threshold volume for a minor street approach with one lane. *FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) *Investigation of the proposed of the pro		
Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided. Peak Hour 100% Volume Time Major Vol. Minor Vol. AM 2547 190 Peak Hour 70% Volume Time Major Vol. Minor Vol. Minor Vol. Time Major Vol. Minor Vol. AM 2547 190 Peak Hour 70% Volume Time Major Vol. Minor Vol. *Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor street approach with none lane. *Note: 150 vph applies as the lower threshold volume for a minor street approach with none lane. *FIGURE 4C-4: Criteria for "70%" Volume *Note: 150 vph applies as the lower threshold volume for a minor street approach with none lane. *FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) **Jume Criteria** 100 150 Jume Criteria* 100 150 Jume Crit		
Record hour when criteria are fulfilled not the corresponding delay or volume in boxes provided. Peak Hour 100% Volume Time Major Vol. Minor Vol. AM 2547 190 Peak Hour 70% Volume Time Major Vol. Minor Vol. Minor Vol. Criteria 1. Delay on Minor Approach (vehicle-hours) Proach Lanes 1 2 2 elay Criteria* 4.0 5.0 elay Criteria* 4.0 5.0 elay Criteria* 100 150	, , ,	
Peak Hour 100% Volume		600 110012 40-0. 011012 101 100/0 Volume Level
Time Major Vol. Minor Vol. Criteria 1. Delay on Minor Approach		2 OR MORE LANES & 2 OR MORE LANES
Time Major Vol. Minor Vol. Major Vol. Minor Vol. Minor Vol. Minor Vol.		š 300
Time Major Vol. Minor Vol. Major Vol. Minor Vol. Minor Vol. Minor Vol.		± 400
Time Major Vol. Minor Vol. Time Major Vol. Minor Vol. Minor Vol. Minor Vol. Minor Vol. Minor Vol. Minor Vol. Major Street - Total Of Both Approach	<u> </u>	2 OR MORE LANES & 1 LANE
Time Major Vol. Minor Vol. Time Major Vol. Minor Vol. Minor Vol. Minor Vol. Minor Vol. Minor Vol. Minor Vol. Major Street - Total Of Both Approach		□
Time Major Vol. Minor Vol. Time Major Vol. Minor Vol. Minor Vol. Minor Vol. Minor Vol. Minor Vol. Minor Vol. Major Street - Total Of Both Approach	Time Major Vol. Minor Vol.	1 LANE & 1 LANE
Time Major Vol. Minor Vol. Time Major Vol. Minor Vol. Minor Vol. Minor Vol. Minor Vol. Minor Vol. Minor Vol. Major Street - Total Of Both Approach	AM 2547 190	15 200
Time Major Vol. Minor Vol. Volume on Minor Approach One-Direction *(vehicles per hour)	Peak Hour 70% Volume	100
Criteria 1. Delay on Minor Approach *(vehicle-hours) Deproach Lanes 1 2 elay Criteria* 4.0 5.0 elay* Iffilled?: Yes No 2. Volume on Minor Approach One-Direction *(vehicles per hour) Deproach Lanes 1 2 elay criteria* 100 150 150 150 150 150 150 150 150 150		
*Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane. *Note: 150 vph applies as the lower threshold volume threshold for a minor street approach with one lane. *If I	Time Major voi. Millor voi.	
1. Delay on Minor Approach *(vehicle-hours) pproach Lanes 1 2 play Criteria* 4.0 5.0 play* ulfilled?: Yes No 2. Volume on Minor Approach One-Direction *(vehicles per hour) pproach Lanes 1 2 play criteria* 100 150 play criteri		<u> </u>
*(vehicle-hours) *(vehicle-hours) *(vehicle-hours) *(proach Lanes	Criteria	* Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and
FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) 2. Volume on Minor Approach One-Direction *(vehicles per hour) Diproach Lanes 1 2 Diume Criteria* 100 150 Diume* John Criteria* 100 150 John Criteria* 100	1. Delay on Minor Approach	100 vph applies as the lower threshold volume threshold for a minor street approach with one lane.
elay Criteria* 4.0 5.0 elay* Ulfilled?: Yes No 2. Volume on Minor Approach One-Direction *(vehicles per hour) Diproach Lanes 1 2 Diume Criteria* 100 150 Diume* Jifilled?: Yes No 3. Total Intersection Entering Volume *(vehicles per hour) Do. of Approaches 3 4 James Approaches	*(vehicle-hours)	
2. Volume on Minor Approach One-Direction *(vehicles per hour) pproach Lanes 1 2 plume Criteria* 100 150 plume* 3. Total Intersection Entering Volume *(vehicles per hour) p. of Approaches 3 4 there of the initial and the section is a section in the sectio	•	
2. Volume on Minor Approach One-Direction *(vehicles per hour) Oproach Lanes 1 2 Olume Criteria* 100 150 Olume* Jolume *(vehicles per hour) Oo. of Approaches 3 4 Jolume *(vehicles per hour) Oo. of Approaches 5 Jolume *(vehicles per hour)	olay olitoria	
2. Volume on Minor Approach One-Direction *(vehicles per hour) Oproach Lanes 1 2 Olume Criteria* 100 150 Olume* Jiffilled?: Yes No 3. Total Intersection Entering Volume *(vehicles per hour) Oc. of Approaches 3 4 James Olimitation 660 800		
3. Total Intersection Entering Volume *(vehicles per hour) 5. of Approaches 3 4 300 400 500 600 700 800 900 1000 1100 1200 1300	ılfilled?:	2 OR MORE LANES & 2 OR MORE LANES
3. Total Intersection Entering Volume *(vehicles per hour) 5. of Approaches 3 4 300 400 500 600 700 800 900 1000 1100 1200 1300	2. Volume on Minor Approach	7 1 1 400
3. Total Intersection Entering Volume *(vehicles per hour) 5. of Approaches 3 4 300 400 500 600 700 800 900 1000 1100 1200 1300		2 OR MORE LANES & 1 LANE
3. Total Intersection Entering Volume *(vehicles per hour) 5. of Approaches 3 4 300 400 500 600 700 800 900 1000 1100 1200 1300	oproach Lanes 1 2	
3. Total Intersection Entering Volume *(vehicles per hour) 5. of Approaches 3 4 300 400 500 600 700 800 900 1000 1100 1200 1300	olume Criteria* 100 150	1 LANE & 1 LANE
3. Total Intersection Entering Volume *(vehicles per hour) 5. of Approaches 3 4 300 400 500 600 700 800 900 1000 1100 1200 1300	olume*	∑ 200
3. Total Intersection Entering Volume *(vehicles per hour) 5. of Approaches 3 4 300 400 500 600 700 800 900 1000 1100 1200 1300	ılfilled?: Yes V No	
Volume *(vehicles per hour) 2. of Approaches 3 4 300 400 500 600 700 800 900 1000 1100 1200 1300	2 Total Interception Futuring	100
0 of Approaches 3 4 300 400 500 600 700 800 900 1000 1100 1200 1300		*75
300 400 500 600 700 800 900 1000 1100 1200 1300		
DIGINO QUIGORA I 999 II MALIOR STREET TOTAL OF ROTH ADDROACHES AND	5. 5.7 (pp. 646.105	
	/olume* =ulfilled?: Yes ✓ No	* Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

Form 750-020-01 TRAFFIC ENGINEERING State of Florida Department of Transportation TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 16, 2020 District: Major Street: 10th St Major Approach Speed: Lanes: 25 M St Minor Street: Lanes: Minor Approach Speed: 25 http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf MUTCD Electronic Reference to Chapter 4: **Volume Level Criteria** Yes ✓ No 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes 🗸 No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? 70% 🗸 100% "70%" volume level may be used if Question 1 or 2 above is answered "Yes" **WARRANT 3 - PEAK HOUR** ✓ Yes No Applicable: If all three criteria are fulfilled $\underline{\mathbf{or}}$ the plotted point lies above the appropriate line, ✓ Yes No then the warrant is satisfied. Satisfied: Unusual condition justifying use of Plot volume combination on the applicable figure below. warrant: FIGURE 4C-3: Criteria for "100%" Volume Level 600 2 OR MORE LANES & 2 OR MORE LANES 500 Record hour when criteria are fulfilled MINOR STREET HIGH VOLUME APPROACH - VPH and the corresponding delay or volume in boxes provided. 400 2 OR MORE LANES & 1 LANE Peak Hour 100% Volume 300 Major Vol. Minor Vol. 1 LANE & 1 LANE Time РМ 2357 168 *150 *100 100 Peak Hour 70% Volume Major Vol. Minor Vol. 500 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 400 700 800 MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH Criteria * Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 1. Delay on Minor Approach 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane. *(vehicle-hours) Approach Lanes FIGURE 4C-4: Criteria for "70%" Volume Level Delay Criteria* 4 0 5.0 (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) 500 Delay* Yes 🗸 No Fulfilled?: 2 OR MORE LANES & 2 OR MORE LANES 400 2. Volume on Minor Approach 2 OR MORE LANES & 1 LANE One-Direction *(vehicles per hour) 300 Approach Lanes Volume Criteria* 100 150 LANE & 1 LANE







* Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

Form 750-020-01 TRAFFIC ENGINEERING State of Florida Department of Transportation TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 16, 2020 District: Major Street: Major Approach Speed: Lanes: 25 N 11th St Minor Street: Lanes: Minor Approach Speed: 25 http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf MUTCD Electronic Reference to Chapter 4: **Volume Level Criteria** Yes ✓ No 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes 🗸 No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? 70% 🗸 100% "70%" volume level may be used if Question 1 or 2 above is answered "Yes" **WARRANT 3 - PEAK HOUR** ✓ Yes No Applicable: If all three criteria are fulfilled or the plotted point lies above the appropriate line, Yes V No then the warrant is satisfied. Satisfied: Plot volume combination on the applicable figure below. Unusual condition justifying use of warrant: FIGURE 4C-3: Criteria for "100%" Volume Level 600 2 OR MORE LANES & 2 OR MORE LANES 500 Record hour when criteria are fulfilled

100

500

400

400 500

and the corresponding delay or volume in boxes provided.

Peak Hour 100% Volume				
Time	Major Vol.	Minor Vol.		
AM	807	126		

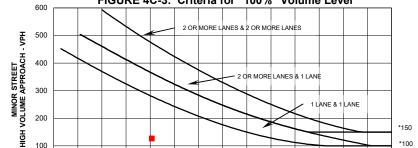
Peak Hour 70% Volume				
Time	Major Vol.	Minor Vol.		

Criteria

1. Delay on Minor	1. Delay on Minor Approach				
*(vehicle-ho	urs)				
Approach Lanes	1	2			
Delay Criteria*	4.0	5.0			
Delay*					
Fulfilled?: Yes V No					

2. Volume on Minor Approach					
One-Direction *(vehic	ies per	nour)			
Approach Lanes	1	2			
Volume Criteria*	100				
Volume*					
Fulfilled?:	∕es ✓	No			

Total Intersection Entering Volume *(vehicles per hour)					
No. of Approaches 3 4					
Volume Criteria*	a* 650 800				
Volume*	lume*				
Fulfilled?: Yes Vo					



* Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH

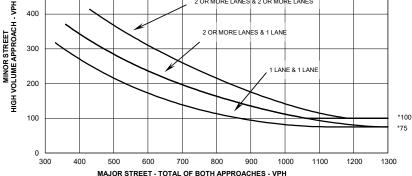
700 800



2 OR MORE LANES & 2 OR MORE LANES 2 OR MORE LANES & 1 LANE

900 1000 1100 1200 1300 1400

1500 1600 1700 1800



* Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

TRA	AFFIC SIGNAL WARRANT SUMMARY
City: Line County: District:	Engineer: John P Diediker Date: January 16, 2020
Major Street: Minor Street:	Q St Lanes: 4 Major Approach Speed: 25 N 11th St Lanes: 2 Minor Approach Speed: 25
MUTCD Electronic Reference to Chap	oter 4: http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf
Is the intersection in a built-up "70%" volume level may be used "70%" volume level may be used	percentile of major street > 40 mph (70 km/h)? □ Yes ✓ No □ area of an isolated community with a population < 10,000? □ Yes ✓ No □ 70% ✓ 100%
WARRANT 3 - PEAK HOUR If all three criteria are fulfilled or then the warrant is satisfied. Unusual condition justifying use of warrant:	the plotted point lies above the appropriate line, Satisfied: Plot volume combination on the applicable figure below. FIGURE 4C-3: Criteria for "100%" Volume Level
Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided.	2 OR MORE LANES & 2 OR MORE LANES 2 OR MORE LANES & 1 LANE
Peak Hour 100% Volume Time Major Vol. Minor Vol. PM 1001 103 Peak Hour 70% Volume Time Major Vol. Minor Vol.	2 OR MORE LANES & 1 LANE 1 LANE & 1 LANE *150 *100
	400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH
Criteria 1. Delay on Minor Approach *(vehicle-hours) Approach Lanes 1 2 Delay Criteria* 4.0 5.0 Delay* Fulfilled?: Yes V No	* Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane. FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street)
2. Volume on Minor Approach One-Direction *(vehicles per hour) Approach Lanes 1 2 Volume Criteria* 100 150 Volume* Fulfilled?: Yes Vo	2 OR MORE LANES & 1 LANE 100 2 OR MORE LANES & 1 LANE 1 LANE & 1 LANE *100 *75
Volume *(vehicles per hour) No. of Approaches 3 4 Volume Criteria* 650 800 Volume* Fulfilled?: Yes V No	*Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

City: Lir	coln	Engineer:	John P Diediker	
County:	COIN	Engineer. Date:		
District:		Date.	January 10, 2020	
Major Street:	P St	Lanes:	2 Major Approach Speed:	2
Minor Street:	N 11th St		2 Minor Approach Speed:	2
//UTCD Electronic Reference to Cha	nter 4: http://	mutcd.fhwa.dot.gov/pdfs/2009r1r2	Vinart4 ndf	
	рю 4. <u>пар.л</u> п	Hatod:HWa.dot.gov/paro/2000/11/2	, parer, par	
/olume Level Criteria	organtile of major o	troot > 10 mnh (70 km/h)?	☐ Yes ✓ No	
1. Is the posted speed or 85th-	_			
2. Is the intersection in a built-t	p area of an isolated	d community with a population <	10,000?	
"70%" volume level may be use	d if Question 1 or 2	above is answered "Yes"	70% 🗸 100%	%
VARRANT 3 - PEAK HOUR				
If all three criteria are fulfilled o	r the plotted point lie	es above the appropriate line.	Applicable: Yes No	
then the warrant is satisfied.			Satisfied: Yes V No	
Unusual condition justifying use of		Plot volume combination on the a	applicable figure below.	
warrant:	•	FIGURE 4C-3: Criteria f	or "100%" Volume Level	
	600			7
Record hour when criteria are fulfilled	₹ 500	2 OR MORE LA	NES & 2 OR MORE LANES	-
and the corresponding delay or volume	,			
in boxes provided.	OACI			-
Peak Hour 100% Volume	J		2 OR MORE LANES & 1 LANE	
Time Major Vol. Minor Vol.	A ME A		1 LANE & 1 LANE	
AM 773 114	200			-
	MINOR STREET 400			*150
Peak Hour 70% Volume	 			*100
Time Major Vol. Minor Vol.				
	400			800
Cuitouio	_	MAJOR STREET - TOTAL OF BOTH		
Criteria 1. Delay on Minor Approach	= ' '	oplies as the lower threshold volume for a mino oplies as the lower threshold volume threshold	• •	
*(vehicle-hours)				
approach Lanes 1 2		FIGURE 4C-4: Criteria for	r "70%" Volume Level	
Pelay Criteria* 4.0 5.0]	(Community Less than 10,000 population or		
Delay*	500			
ulfilled?: Yes V No]	2 OR MOF	RE LANES & 2 OR MORE LANES	
2. Volume on Minor Approach				1
One-Direction *(vehicles per hour)	OAC	2 OR M	ORE LANES & 1 LANE	
pproach Lanes 1 2	APPR 300			1
olume Criteria* 100 150	JME,		1 LANE & 1 LANE	
/olume*	■ No 200			1
ulfilled?: Yes Vo	MINOR STREET HIGH VOLUME APPROACH - VPH 000			
3. Total Intersection Entering	100	+		*100
Volume *(vehicles per hour)				*75
,	╣╵╶]
lo. of Approaches 3 4	300	400 500 600 700 800	900 1000 1100 1200 13	300

City:	Lincoln				Engineer:	John P D	iediker	
County:	Linooni				Date:	January 1		
District:					<u></u>		-,	
Major Street:	P S	St		L	_anes: 2	Major Approa	ach Speed:	2
Minor Street:	N 11t	h St			anes: 2	Minor Approa	-	2
							· <u> </u>	
IUTCD Electronic Referenc	e to Chapter 4:	http://r	nutcd.fhwa.	dot.gov/pdfs	s/2009r1r2/part	4.pdf		
olume Level Criteria								
 Is the posted speed 	or 85th-percentile o	f major s	reet > 40 m	ph (70 km/h	າ)?		Yes 🔽 No	
2. Is the intersection in	a built-up area of a	n isolated	community	with a pop	ulation < 10,00	0?	Yes 🔽 No	
"70%" volume level ma	y be used if Question	on 1 or 2	above is an	swered "Yes	s"		70% 🔽 100%)
VARRANT 3 - PEAK Ho		d point lie	s above the	e annronriati	e line A	pplicable:	Yes No	
then the warrant is satis		a point ne	3 above the	арргорпак		Satisfied:	Yes 🗸 No	
Unusual condition justifying	use of		Plot volu	me combinati	ion on the applica	able figure below.		
warrant:		000	FIGU	JRE 4C-3:	Criteria for "1	00%" Volume L	_evel	
		600						
Record hour when criteria are	fulfilled	E 500	\rightarrow		2 OR MORE LANES & 2	OR MORE LANES		
and the corresponding delay of	volume	-						
in boxes provided.	li lii	400						
Peak Hour 100% Volu	me Minor Vol. 245	₩ 300 —			201	R MORE LANES & 1 LANE		
	linor Vol.	JME /			. 1	1 LAN	E & 1 LANE	
PM 750	245	200					+	*150
		H 100					$\Rightarrow \Box$	*100
Peak Hour 70% Volui	ne	≖ 100 —						100
Time Major Vol. N	linor Vol.	0						
		400		700 800 90	0 1000 1100 120 TAL OF BOTH APPRO		1600 1700 18	800
Criteria	* Note	: 150 vph ar				t approach with two or	more lanes and	
1. Delay on Minor Appro						ninor street approach w		
*(vehicle-hours)								
pproach Lanes 1	2					%" Volume Lev		
elay Criteria* 4.0	5.0	500	(Community L	ess than 10,000	population or above	70 km/hr (40 mph) on	Major Street)	
elay*	/ No							
ulfilled?: Yes	<u>No</u> No	400			2 OR MORE LANES	& 2 OR MORE LANES		
2. Volume on Minor Appr	oach r hour) 2 STREET HAN NOR STREET HOWN WINDY STREET HOW NOR WINDY HOUR WIN		\bigvee		2 OR MORE LAN	NES & 1 I ANE		
One-Direction *(vehicles pe	r hour) 필호	300			2 ON WORL DAIN			
pproach Lanes 1	2 IS NO IS N		+		\swarrow			
olume Criteria* 100 olume*	150 ON DE	200		\searrow		1 LANE & 1 LANE		
	No 5	200				\leftarrow		
unined : Tes [<u> </u>	100			**			*100
3. Total Intersection Enter	- 1	100						*75
Volume *(vehicles per h	,							
o. of Approaches 3 olume Criteria* 650	800	300	400 500			900 1000 1100	1200 130	00
					AL OF BOTH APPROAG			

City: Line	oln		Engineer:	John P Di	
County: District:			Date:	January 1	5, 2020
Major Street:	O St		Lanes: 2	Major Approa	ich Speed: 2
Minor Street:	11th St		Lanes: 2	Minor Approa	ch Speed: 2
IUTCD Electronic Reference to Chap	ter 4: <u>http</u>	://mutcd.fhwa.	dot.gov/pdfs/2009r1r2/p	art4.pdf	
olume Level Criteria					
1. Is the posted speed or 85th-p	ercentile of majo	r street > 40 m	ph (70 km/h)?		Yes 🗸 No
2. Is the intersection in a built-up	area of an isola	ted community	with a population < 10,	,000?	Yes ✓ No
"70%" volume level may be used		-			70% 🔽 100%
/ARRANT 3 - PEAK HOUR					
If all three criteria are fulfilled or	the plotted point	lies above the	appropriate line,	Applicable:	
then the warrant is satisfied.	ı			Satisfied:	Yes ✓ No
Unusual condition justifying use of		Plot volui	me combination on the app	licable figure below.	
warrant:	600	FIGL	IRE 4C-3: Criteria for	"100%" Volume L	evel
	000				
Record hour when criteria are fulfilled	₹ 500		2 OR MORE LANES	S & 2 OR MORE LANES	
and the corresponding delay or volume	> ±				
in boxes provided.	900 ACI				
Peak Hour 100% Volume	MINOR STREET MINOR APPROACH - VPH 100			2 OR MORE LANES & 1 LANE	
Time Major Vol. Minor Vol.	ME A			1 LANE	& 1 LANE
AM 1520 159	J 200				
	N H9				*15
Peak Hour 70% Volume	± 100				*10
Time Major Vol. Minor Vol.	0				
		00 500 600	700 800 900 1000 1100	1200 1300 1400 1500	1600 1700 1800
· · · · · · · · · · · · · · · · · · ·		MAJO	OR STREET - TOTAL OF BOTH AP	PROACHES - VPH	
Criteria	1		er threshold volume for a minor st	• •	
1. Delay on Minor Approach	100 vp	h applies as the lowe	er threshold volume threshold for	a minor street approach wi	h one lane.
*(vehicle-hours) pproach Lanes 1 2		FIGURE	DE 40 4. Outtoute for III	700/11 \/ a	-1
elay Criteria* 4.0 5.0			RE 4C-4: Criteria for " ess than 10,000 population or abo		
elay*	500				
ulfilled?:	_		2 OR MORE LA	ANES & 2 OR MORE LANES	
	400	\longrightarrow	20	III.E. G. Z. OTTIII.OTTE D'II.E.	
2. Volume on Minor Approach	ACH.	1 1	2 OR MORE	ELANES & 1 LANE	
One-Direction *(vehicles per hour)	まず 300 一 開 め				
pproach Lanes 1 2 plume Criteria* 100 150	OR S'		\searrow	41005041005	
olume*	WINC 200			1 LANE & 1 LANE	
	MINOR STREET HIGH VOLUME APPROACH - VPH			\times	
ulfilled?:				*	_
3. Total Intersection Entering	100				*10
Volume *(vehicles per hour)					
o, of Approaches 3 4	0 -				
o. of Approaches 3 4 olume Criteria* 650 800	300	400 500	600 700 800	900 1000 1100	1200 1300

T	RAFFIC SIGNA	AL WARRANT SU	MMARY	•	ic.
City: County: District:	Lincoln	Engii [neer: Date:	John P Diedike January 16, 202	
Major Street: Minor Street:	O St 11th St	Lanes Lanes	: 2	Major Approach Sp Minor Approach Sp	
MUTCD Electronic Reference to 0	napter 4: <u>nttp://</u>	mutcd.fhwa.dot.gov/pdfs/200	<u> </u>	<u>odi</u>	
1. Is the posted speed or 85 2. Is the intersection in a but "70%" volume level may be a	lt-up area of an isolate	d community with a population	n < 10,000?	Yes V	/ No / No / 100%
WARRANT 3 - PEAK HOUR If all three criteria are fulfilled then the warrant is satisfied.		., .	Sa	olicable: Yes attisfied: Yes	No No
Unusual condition justifying use of warrant:		Plot volume combination on		-	
	600	FIGURE 4C-3: Crite	ria for "100)%" Volume Level	
Record hour when criteria are fulfille and the corresponding delay or volume in boxes provided. Peak Hour 100% Volume Time Major Vol. Minor Volume Criteria 1. Delay on Minor Approach	MINOR STREET /OI. /OI. /OI. * Note: 150 vph a		0 1100 1200 BOTH APPROAG a minor street ap	1 LANE & 1 LANE 1 LANE & 1 LANE	*150 *100
	0 500	FIGURE 4C-4: Criteri			reet)
	MINOR STREET 10 20 20 20 20 20 20 20 20 20 20 20 20 20	2	OR MORE LANES & 2		
Volume* Fulfilled?: Yes ✓ No	200 HGH 100			TENE & TENE	*100
rto: er/tppredence	1 00 300	400 500 600 700 MAJOR STREET - TOTAL OF B	800 900 OTH APPROACHE	1000 1100 120 ES - VPH	*75
		opplies as the lower threshold volume for plies as the lower threshold volume thres	a minor street ap	pproach with two or more lane	

City: County:	Lincoln			Engineer: Date:	John P Died January 16, 2	
District:				_		
Major Street:	N	St		Lanes: 2	Major Approach	Speed:
Minor Street:	111	h St		Lanes: 2	Minor Approach	Speed:
IUTCD Electronic Reference	e to Chapter 4:	http://m	utcd.fhwa.dot.g	gov/pdfs/2009r1r2/par	<u>t4.pdf</u>	
olume Level Criteria						
1. Is the posted speed	or 85th-percentile	of major stre	eet > 40 mph (7	70 km/h)?	Yes	o ✓ No
2. Is the intersection in	a built-up area of	an isolated	community with	n a population < 10,0	00? Yes	s ✓ No
			-			/ [1000/
"70%" volume level ma	y be used if Quest	ion 1 or 2 a	oove is answer	ed "Yes"		% <u>✓</u> 100%
VARRANT 3 - PEAK HO	<u>DUR</u>					
If all three criteria are fu	ulfilled or the plot	ed noint lies	ahove the ann	ronriate line	Applicable:	S No
then the warrant is satis		eu point nes	above the app	nopriate line,		S ✓ No
Unusual condition justifying			Plot volume co	ombination on the applic		_
warrant:	430 01			4C-3: Criteria for "	_	ol.
		600	FIGURE	4C-3: Criteria for	100% Volume Lev	ei
				2 OR MORE LANES &	2 OR MORE LANES	
Record hour when criteria are	fulfilled	HIGH VOLVIME APPROACH - VPH HIGH VOLVIME APPROACH - VPH 100				
and the corresponding delay or in boxes provided.	volume	-H 400				
m boxee provided.		ROA		20	OR MORE LANES & 1 LANE	
Peak Hour 100% Volu	me	300	++			
Time Major Vol. M	linor Vol.	2 N			1 LANE & 1	LANE
AM 436	175	²⁰⁰ □				*1
D1-11 700/ V-1		<u>₩</u> 100				*1
Peak Hour 70% Volur						
Time Major Vol. N	linor Vol.	0				
		400		800 900 1000 1100 1: REET - TOTAL OF BOTH APPI		500 1700 1800
Criteria	* No	te: 150 vph app		shold volume for a minor stre		e lanes and
1. Delay on Minor Appro	ach	100 vph app	ies as the lower thre	shold volume threshold for a	minor street approach with or	ne lane.
*(vehicle-hours)						
pproach Lanes 1	2		FIGURE 4	C-4: Criteria for "70)%" Volume Level	
elay Criteria* 4.0	5.0		Community Less that	an 10,000 population or above	∍ 70 km/hr (40 mph) on Majo	or Street)
elay*		500				
ulfilled?: Yes	/ No	.		2 OR MORE LANI	ES & 2 OR MORE LANES	
2. Volume on Minor Appr	nach	400				
One-Direction *(vehicles pe	r hour)	` \	\setminus	2 OR MORE L	ANES & 1 LANE	
pproach Lanes 1	1 2	300				
olume Criteria* 100	oach r hour) 2 150 WO	¥ # # # # # # # # # # # # # # # # # # #			1 LANE & 1 LANE	
olume*		200	+			
ulfilled?: Yes	/ No	5				
		100				*1
 Total Intersection Enter Volume *(vehicles per ho 	- II					*7
voidine ivenicies del No	/ur/					
o. of Approaches 3	4	0				

Form 750-020-01 TRAFFIC ENGINEERING State of Florida Department of Transportation TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 9, 2020 District: Major Street: Major Approach Speed: Lanes: 25 11th St Minor Street: Lanes: Minor Approach Speed: 25 http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf MUTCD Electronic Reference to Chapter 4: **Volume Level Criteria** Yes ✓ No 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes 🗸 No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? 70% 🗸 100% "70%" volume level may be used if Question 1 or 2 above is answered "Yes" **WARRANT 3 - PEAK HOUR** ✓ Yes No Applicable: If all three criteria are fulfilled or the plotted point lies above the appropriate line, Yes V No then the warrant is satisfied. Satisfied: Plot volume combination on the applicable figure below. Unusual condition justifying use of warrant: FIGURE 4C-3: Criteria for "100%" Volume Level 600

Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided.

Peak Hour 100% Volume								
Time	Major Vol.	Minor Vol.						
PM	706	168						

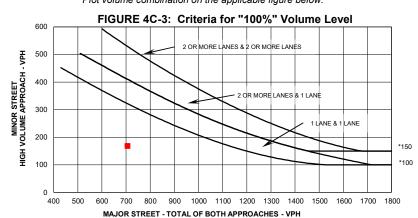
Peak Hour 70% Volume									
Time	Major Vol.	Minor Vol.							

Criteria

1. Delay on Minor Approach								
*(vehicle-hours)								
Approach Lanes 1 2								
Delay Criteria*	4.0	5.0						
Delay*								
Fulfilled?: Yes V No								

2. Volume on Minor Approach							
One-Direction *(vehicles per hour)							
Approach Lanes 1 2							
Volume Criteria*	100	150					
Volume*							
Fulfilled?: Yes V No							

Total Intersection Entering Volume *(vehicles per hour)							
No. of Approaches 3 4							
Volume Criteria*	650	800					
Volume*							
Fulfilled?: Yes Vo							



* Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

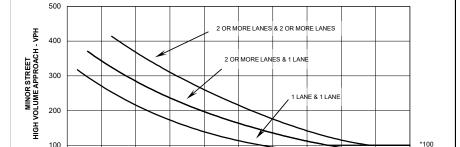


FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street)

* Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

600

300

*75

City:	Lincol	n						Engir	neer.			lohn I	P Died	liker		
County:	Lilicon							_	Date:				ry 16,			
District:								L	Jaic.		<u> </u>	anuai	y 10,	2020		
Major Street:		S 11tl	n St				L	anes	s: :	2	Mai	or Apr	oroach	ı Sper	ed:	25
Minor Street:		MS						anes		2	-		oroach			2
												pr	,, , , ,	. 0000		
IUTCD Electronic Referen	ce to Chapter	4:	http	://mut	cd.fhwa	.dot.gc	ov/pdfs	s/200	<u>9r1r2</u>	/part4	.pdf					
olume Level Criteria																
 Is the posted speed 	d or 85th-perc	entile o	f majo	r stree	et > 40 i	mph (7	0 km/h	າ)?					Ye	s √	No	
2. Is the intersection i	n a built-up ar	ea of ar	n isola	ted co	mmuni	ty with	a pop	ulatio	on < 1	0,000)?		Ye	s 🗸	No	
#700/#		O#i-	. 1	0 - 6 -	!		-l !!\/-	_ "				Г		y [_	1000/	
"70%" volume level m	ay be used ii	Questio	n i oi	2 abo	ove is a	nswere	a res	S				L	/05	% 🔽 :	100%	
VARRANT 3 - PEAK H	<u>IOUR</u>															
If all three criteria are	fulfilled or the	nlotter	d noin	lies a	hove th	e annr	onrista	a lina		Αŗ	plicab	le:	✓ Ye	s 🗌 '	No	
then the warrant is sa		pionec	ponn	1103 0	DOVC III	с аррі	орнак	, III IC	,	;	Satisfie	d:	Ye	s 🗸 I	No	
Unusual condition justifying					Plot vol	ume coi	mbinati	ion on	the a				W.			
warrant:						URE 4					_			/el		
			600			J.\L 4	.5-5.	J1116	,, ia 1	J. 10	, o , o \	Juli				
			. 500			\ ,		2 OR 1	IORE LA	NES & 2	OR MORE L	ANES				
Record hour when criteria ar and the corresponding delay		3	500		egthanking											
in boxes provided.	or volume	H 6	400													
		MINOR STREET	2			_	$\overline{}$		\searrow	— 2 OR	MORE LAN	ES & 1 LA	.NE			
Peak Hour 100% Vol		28.5	300					$\overline{}$		\rightarrow	$\overline{}$		+	+		
	Minor Vol.	N	5							\searrow		× ¹	1 LANE & 1	LANE		
AM 338	260	9	200								\times					*150
Peak Hour 70% Vol	ıme	3	100								\rightarrow	_	\Rightarrow	\rightarrow		*100
Time Major Vol.	Minor Vol.															
Time Iviajor voi.	WIITIOI VOI.		0	00 50	0 600	700 8	00 90	0 100	00 110	0 120	1300	1400	1500 10	600 17	700 190	00
				00 00		JOR STRE							1000	300 17	00 100	,,,
Criteria		* Note:	150 vp	h applie:	s as the lo	wer thresi	hold volu	me for	a mino	r street	approach	with two	o or mor	e lanes	and	
1. Delay on Minor App	roach		100 vp	h applie:	s as the lo	wer thresi	hold volu	me thr	eshold	for a mi	nor street	approad	ch with c	ne lane		
*(vehicle-hours)							_		_							
pproach Lanes 1 pelay Criteria* 4.	5.0			(C	FIGU Immunity	JRE 40								ior Strac	at)	
elay Criteria* 4.0 elay*	5.0		500	(0.	Jiiiiii Giiii iy	Loos tran	1 10,000	T	1011 01	above i	0 1411/111 (T				
ulfilled?: Yes	✓ No								OD MOD	FLANCE	8 2 OD MO	DE LANES	,			
unilieu : Tes	▼ NO	¥.	400					<u> </u>	OK WOR	E LAINES	& 2 OR MO	RE LAINES	<u>'</u>	\perp		
2. Volume on Minor App	ll ll	MINOR STREET HIGH VOLUME APPROACH - VPH		\		~ ~			2 OR M	ORF I ANI	ES & 1 LAN					
One-Direction *(vehicles p		REE	300					/	_ 517100	L LMN	-3 & 1 ENN					
pproach Lanes 1	2	RST	555					\checkmark								
olume Criteria* 10	0 150	MINC	200			`	<u> </u>		\checkmark		1 LAN	E & 1 LAN	1E			
olume*	- N-	_ <u>_</u> <u>_</u> <u>_</u>	200					$\overline{}$	Ţ							
ulfilled?: Yes	✓ No	<u> </u>					`	+		\nearrow			\downarrow			
3. Total Intersection En	tering		100								_		\Rightarrow	#	=	*100 *75
Volume *(vehicles per	~ II															-
o of Approaches 3	4		0 L			20 0	00	700	000	00	20 44	000	1100	1200	130	ın
o. of Approaches 3			300	41	00 50	JU ni	00	700	800	90)() 11	JUU	1100	1200	1.317	

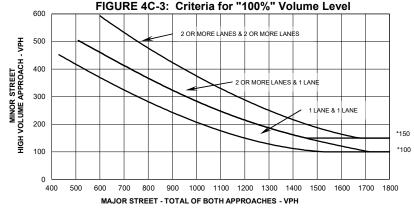
Form 750-020-01 TRAFFIC ENGINEERING State of Florida Department of Transportation TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 16, 2020 District: Major Street: S 11th St Major Approach Speed: Lanes: 25 M St Minor Street: Lanes: Minor Approach Speed: 25 MUTCD Electronic Reference to Chapter 4: http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf **Volume Level Criteria** Yes ✓ No 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes 🗸 No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? 70% 🗸 100% "70%" volume level may be used if Question 1 or 2 above is answered "Yes" **WARRANT 3 - PEAK HOUR** ✓ Yes No Applicable: If all three criteria are fulfilled or the plotted point lies above the appropriate line, Yes V No then the warrant is satisfied. Satisfied: Plot volume combination on the applicable figure below. Unusual condition justifying use of warrant: FIGURE 4C-3: Criteria for "100%" Volume Level 600 2 OR MORE LANES & 2 OR MORE LANES 500 Record hour when criteria are fulfilled MINOR STREET HIGH VOLUME APPROACH - VPH and the corresponding delay or volume in boxes provided. 400 2 OR MORE LANES & 1 LANE Peak Hour 100% Volume 300 Major Vol. Minor Vol. Time 200 РМ 375 186 *150 *100 100 Peak Hour 70% Volume Major Vol. | Minor Vol. 500 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 400 700 800

Criteria

1. Delay on Minor Approach								
*(vehicle-hours)								
Approach Lanes 1 2								
Delay Criteria*	4.0	5.0						
Delay*								
Fulfilled?: Yes Vo								

2. Volume on Minor Approach								
One-Direction *(vehicles per hour)								
Approach Lanes	1	2						
Volume Criteria*	100	150						
Volume*								
Fulfilled?:	∕es ✓	No						

Total Intersection Entering Volume *(vehicles per hour)							
No. of Approaches	3	4					
Volume Criteria*	650	800					
Volume*							
Fulfilled?: Yes Vo							



* Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane.



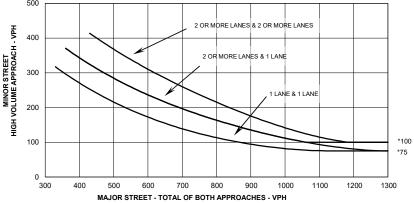


FIGURE 4C-4: Criteria for "70%" Volume Level

* Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

Form 750-020-01 TRAFFIC ENGINEERING State of Florida Department of Transportation TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 16, 2020 District: Major Street: S 11th St Major Approach Speed: Lanes: 25 L St Minor Street: Lanes: Minor Approach Speed: 30 MUTCD Electronic Reference to Chapter 4: http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf **Volume Level Criteria** Yes ✓ No 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes 🗸 No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? 70% 🗸 100% "70%" volume level may be used if Question 1 or 2 above is answered "Yes" **WARRANT 3 - PEAK HOUR** ✓ Yes No Applicable: If all three criteria are fulfilled or the plotted point lies above the appropriate line, Yes V No then the warrant is satisfied. Satisfied: Plot volume combination on the applicable figure below. Unusual condition justifying use of warrant: FIGURE 4C-3: Criteria for "100%" Volume Level 600 2 OR MORE LANES & 2 OR MORE LANES 500 Record hour when criteria are fulfilled MINOR STREET HIGH VOLUME APPROACH - VPH and the corresponding delay or volume in boxes provided. 400 2 OR MORE LANES & 1 LANE Peak Hour 100% Volume 300 Major Vol. Minor Vol. Time 200 AM 1145 152 *150 *100 100 Peak Hour 70% Volume Major Vol. Minor Vol. 500 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 400 700 800 MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH Criteria * Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane. FIGURE 4C-4: Criteria for "70%" Volume Level

Delay on Minor Approach		
*(vehicle-hours)		
1	2	
4.0	5.0	
Fulfilled?: Yes V No		
	1 4.0	

2. Volume on Minor Approach			
One-Direction *(vehicles per hour)			
Approach Lanes	1	2	
Volume Criteria*	100	150	
Volume*			
Fulfilled?: Yes V No			

3. Total Intersection Entering			
Volume *(vehicles	Volume *(vehicles per hour)		
No. of Approaches	3	4	
Volume Criteria*	650	800	
Volume*			
Fulfilled?:	res ✓	No	

FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street)

*Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

Form 750-020-01 TRAFFIC ENGINEERING State of Florida Department of Transportation TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 16, 2020 District: Major Street: S 11th St Major Approach Speed: Lanes: 25 L St Minor Street: Lanes: Minor Approach Speed: 30 MUTCD Electronic Reference to Chapter 4: http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf **Volume Level Criteria** Yes ✓ No 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes 🗸 No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? 70% 🗸 100% "70%" volume level may be used if Question 1 or 2 above is answered "Yes" **WARRANT 3 - PEAK HOUR** ✓ Yes No Applicable: If all three criteria are fulfilled or the plotted point lies above the appropriate line, ✓ Yes No then the warrant is satisfied. Satisfied: Plot volume combination on the applicable figure below. Unusual condition justifying use of warrant:

Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided.

Peak Hour 100% Volume				
Time	Major Vol.	Minor Vol.		
PM	1359	259		

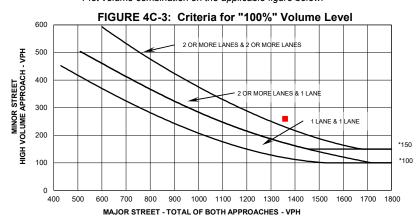
Peak Hour 70% Volume				
Time	Major Vol.	Minor Vol.		

Criteria

Delay on Minor Approach			
*(vehicle-hours)			
Approach Lanes	1	2	
Delay Criteria*	4.0	5.0	
Delay*			
Fulfilled?:	Yes 🗸	No	

2. Volume on Minor Approach			
One-Direction *(vehicles per hour)			
Approach Lanes	1	2	
Volume Criteria*	100	150	
Volume*			
Fulfilled?:	∕es ✓	No	

Total Intersection Entering Volume *(vehicles per hour)		
No. of Approaches	3	4
Volume Criteria*	650	800
Volume*		
Fulfilled?:	Yes 🗸	No



* Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane.



* Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

City: L	incoln		Engineer:	John P Diediker	
County:			Date:	January 16, 2020	
District:				,	
Major Street:	K St		Lanes: 4	Major Approach Speed:	30
Minor Street:	S 11th St		Lanes: 2	Minor Approach Speed:	2
MUTCD Electronic Reference to Ch	apter 4: <u>htt</u>	o://mutcd.fhwa.dot.g	gov/pdfs/2009r1r2/part	<u>4.pdf</u>	
olume Level Criteria					
 Is the posted speed or 85th 	-percentile of maj	or street > 40 mph (70 km/h)?	Yes Vo	
2. Is the intersection in a built-	up area of an isol	ated community wit	n a population < 10,00	00?	
"70%" volume level may be us	end if Question 1 a	r 2 abovo is answo	rod "Voe"	_ 70% ✓ 100%	/ 2
70% volume level may be us	ed if Question 1 0	1 2 above is allswe	ed res	70% [▼ 100%	0
VARRANT 3 - PEAK HOUR					
	ar the pletted neigh	at lies obove the on	arangiata lina A	Applicable: Yes No	
If all three criteria are fulfilled then the warrant is satisfied.	<u>or</u> trie piottea poir	it lies above trie app	propriate line,	Satisfied: Yes No	
Unusual condition justifying use of		Plot volume o	ombination on the applic		
warrant:			4C-3: Criteria for "1	_	
	600	FIGURE	4C-3: Criteria for	Volume Level	٦
			2 OR MORE LANES &	2 OR MORE LANES	
Record hour when criteria are fulfilled	₩ 500				
and the corresponding delay or volume in boxes provided.	F 400				
·	⊒ Roy		20	R MORE LANES & 1 LANE	
Peak Hour 100% Volume	300 PR 300				-
Time Major Vol. Minor Vo				1 LANE & 1 LANE	
AM 1822 154	MINOR STREET MINOR STREET MINOR STREET 100 100				*150
Peak Hour 70% Volume	□ 100				*100
Time Major Vol. Minor Vo					
······o	— 0	400 500 600 700	800 900 1000 1100 12	00 1300 1400 1500 1600 1700 1	 800
			REET - TOTAL OF BOTH APPR		
Criteria	* Note: 150 v	oh applies as the lower thr	eshold volume for a minor stree	et approach with two or more lanes and	
1. Delay on Minor Approach	100 v	oh applies as the lower thr	eshold volume threshold for a n	ninor street approach with one lane.	
*(vehicle-hours)	_				
Approach Lanes 1 2 Delay Criteria* 4.0 5.0	-		IC-4: Criteria for "70 an 10.000 population or above	%" Volume Level 70 km/hr (40 mph) on Major Street)	
Delay*	500	,			1
Fulfilled?: Yes V No	_		2 OR MORE LANE	S & 2 OR MORE LANES	
	400				
2. Volume on Minor Approach	ACH	\downarrow	2 OR MORE LA	NES & 1 LANE	
One-Direction *(vehicles per hour) Approach Lanes 1 2	300 PRG 300				
Volume Criteria* 100 150	OR S			1 LANE & 1 LANE	
olume*	D 200			I DAIL OF LANE	
fulfilled?: Yes V No	MINOR STREET HIGH VOLUME APPROACH - VPH 000		+	*	
	⊒				*100
3. Total Intersection Entering					*75
Volume *(vehicles per hour)	- 。				
No. of Approaches 3 4 Volume Criteria* 650 800		0 400 500	600 700 800 9	900 1000 1100 1200 13	300
/olume Criteria* 650 800			EET - TOTAL OF BOTH APPROA		

Form 750-020-01 TRAFFIC ENGINEERING State of Florida Department of Transportation TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 16, 2020 District: Major Street: Major Approach Speed: Lanes: 30 S 11th St Minor Street: Lanes: Minor Approach Speed: 25 MUTCD Electronic Reference to Chapter 4: http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf **Volume Level Criteria** Yes ✓ No 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes 🗸 No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? 70% 🗸 100% "70%" volume level may be used if Question 1 or 2 above is answered "Yes" **WARRANT 3 - PEAK HOUR** ✓ Yes No Applicable: If all three criteria are fulfilled or the plotted point lies above the appropriate line, Yes V No then the warrant is satisfied. Satisfied: Unusual condition justifying use of Plot volume combination on the applicable figure below. warrant: FIGURE 4C-3: Criteria for "100%" Volume Level 600 2 OR MORE LANES & 2 OR MORE LANES 500 Dogard hour whom oritoric are fulfilled 400

Record nour when criteria are fulfilled
and the corresponding delay or volume
in boxes provided.

Peak Hour 100% Volume				
Time	Major Vol.	Minor Vol.		
PM	1221	161		

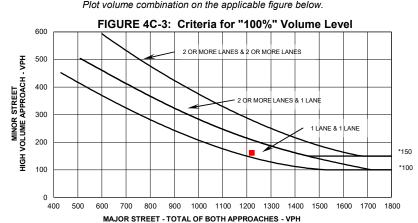
Peak Hour 70% Volume				
Time	Major Vol.	Minor Vol.		

Criteria

1. Delay on Minor Approach			
*(vehicle-hours)			
Approach Lanes	1	2	
Delay Criteria*	4.0	5.0	
Delay*			
Fulfilled?: Yes V No			

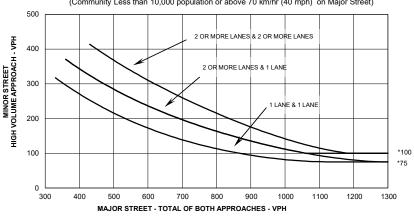
2. Volume on Minor Approach		
One-Direction *(vehicles per hour)		
Approach Lanes	1	2
Volume Criteria*	100	150
Volume*		
Fulfilled?: Yes V No		

Total Intersection Entering Volume *(vehicles per hour)			
No. of Approaches		3	4
Volume Criteria* 650 800			800
Volume*			
Fulfilled?: Yes Vo			



* Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street)



* Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

Form 750-020-01 TRAFFIC ENGINEERING State of Florida Department of Transportation TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 14, 2020 District: Major Street: Major Approach Speed: Lanes: 25 12th St Minor Street: Lanes: Minor Approach Speed: 25 http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf MUTCD Electronic Reference to Chapter 4: **Volume Level Criteria** Yes ✓ No 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes 🗸 No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? 70% 🗸 100% "70%" volume level may be used if Question 1 or 2 above is answered "Yes" **WARRANT 3 - PEAK HOUR** ✓ Yes No Applicable: If all three criteria are fulfilled $\underline{\mathbf{or}}$ the plotted point lies above the appropriate line, Yes V No then the warrant is satisfied. Satisfied: Unusual condition justifying use of Plot volume combination on the applicable figure below. warrant: FIGURE 4C-3: Criteria for "100%" Volume Level 600 2 OR MORE LANES & 2 OR MORE LANES 500 Record hour when criteria are fulfilled MINOR STREET HIGH VOLUME APPROACH - VPH and the corresponding delay or volume in boxes provided. 400 2 OR MORE LANES & 1 LANE Peak Hour 100% Volume 300 Major Vol. Minor Vol. 1 LANE & 1 LANE Time AM 382 191 *150 *100 100 Peak Hour 70% Volume Major Vol. Minor Vol. 500 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 400 700 800 MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH Criteria * Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 1. Delay on Minor Approach 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane. *(vehicle-hours) Approach Lanes FIGURE 4C-4: Criteria for "70%" Volume Level Delay Criteria* 4 0 5.0 (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) 500 Delay* Fulfilled?: Yes ✓ No 2 OR MORE LANES & 2 OR MORE LANES MINOR STREET HIGH VOLUME APPROACH - VPH 400 2. Volume on Minor Approach 2 OR MORE LANES & 1 LANE One-Direction *(vehicles per hour) 300 Approach Lanes Volume Criteria* 100 150 LANE & 1 LANE Volume* 200 Fulfilled?: Yes

* Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

600

100

0

300

3. Total Intersection Entering

Volume *(vehicles per hour)

4

800

650

✓ No

Yes

No. of Approaches

Volume Criteria*

Volume*

Fulfilled?:

*100

*75

Form 750-020-01 TRAFFIC ENGINEERING State of Florida Department of Transportation TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 14, 2020 District: Major Street: Major Approach Speed: Lanes: 25 12th St Minor Street: Lanes: Minor Approach Speed: 25 http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf MUTCD Electronic Reference to Chapter 4: **Volume Level Criteria** Yes ✓ No 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes 🗸 No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? 70% 🗸 100% "70%" volume level may be used if Question 1 or 2 above is answered "Yes" **WARRANT 3 - PEAK HOUR** ✓ Yes No Applicable: If all three criteria are fulfilled $\underline{\mathbf{or}}$ the plotted point lies above the appropriate line, Yes V No then the warrant is satisfied. Satisfied: Unusual condition justifying use of Plot volume combination on the applicable figure below. warrant: FIGURE 4C-3: Criteria for "100%" Volume Level 600 2 OR MORE LANES & 2 OR MORE LANES 500 Record hour when criteria are fulfilled MINOR STREET HIGH VOLUME APPROACH - VPH and the corresponding delay or volume in boxes provided. 400 2 OR MORE LANES & 1 LANE Peak Hour 100% Volume 300 Major Vol. Minor Vol. 1 LANE & 1 LANE Time 200 РМ 402 180 *150 *100 100 Peak Hour 70% Volume Major Vol. Minor Vol. 500 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 400 700 800 MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH Criteria * Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 1. Delay on Minor Approach 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane. *(vehicle-hours) Approach Lanes FIGURE 4C-4: Criteria for "70%" Volume Level Delay Criteria* 4 0 5.0 (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) 500 Delay* Fulfilled?: Yes ✓ No 2 OR MORE LANES & 2 OR MORE LANES MINOR STREET HIGH VOLUME APPROACH - VPH 400 2. Volume on Minor Approach 2 OR MORE LANES & 1 LANE One-Direction *(vehicles per hour) 300 Approach Lanes Volume Criteria* 100 150 LANE & 1 LANE Volume* 200 Fulfilled?: Yes *100 100 3. Total Intersection Entering *75 Volume *(vehicles per hour)

* Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

600

0

300

4

800

650

✓ No

Yes

No. of Approaches

Volume Criteria*

Volume*

Fulfilled?:

Form 750-020-01 TRAFFIC ENGINEERING State of Florida Department of Transportation TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 16, 2020 District: Major Street: Major Approach Speed: Lanes: 25 S 12th St Minor Street: Lanes: Minor Approach Speed: 25 http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf MUTCD Electronic Reference to Chapter 4: **Volume Level Criteria** Yes ✓ No 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes 🗸 No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? 70% 🗸 100% "70%" volume level may be used if Question 1 or 2 above is answered "Yes" **WARRANT 3 - PEAK HOUR** ✓ Yes No Applicable: If all three criteria are fulfilled $\underline{\mathbf{or}}$ the plotted point lies above the appropriate line, Yes V No then the warrant is satisfied. Satisfied: Unusual condition justifying use of Plot volume combination on the applicable figure below. warrant: FIGURE 4C-3: Criteria for "100%" Volume Level 600 2 OR MORE LANES & 2 OR MORE LANES 500 Record hour when criteria are fulfilled MINOR STREET HIGH VOLUME APPROACH - VPH and the corresponding delay or volume in boxes provided. 400 2 OR MORE LANES & 1 LANE Peak Hour 100% Volume 300 Major Vol. Minor Vol. 1 LANE & 1 LANE Time AM 382 233 *150 *100 100 Peak Hour 70% Volume Major Vol. Minor Vol. 500 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 400 700 800 MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH Criteria * Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 1. Delay on Minor Approach 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane. *(vehicle-hours) Approach Lanes FIGURE 4C-4: Criteria for "70%" Volume Level Delay Criteria* 4 0 5.0 (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) 500 Delay* Fulfilled?: Yes ✓ No 2 OR MORE LANES & 2 OR MORE LANES MINOR STREET HIGH VOLUME APPROACH - VPH 400 2. Volume on Minor Approach 2 OR MORE LANES & 1 LANE One-Direction *(vehicles per hour) 300 Approach Lanes Volume Criteria* 100 150 LANE & 1 LANE Volume* 200 Fulfilled?: Yes *100 100 3. Total Intersection Entering *75 Volume *(vehicles per hour)

* Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

600

0

300

4

800

650

✓ No

Yes

No. of Approaches

Volume Criteria*

Volume*

Fulfilled?:

City:	incoln		Engineer:	John P Diediker	
County:	incom		Date:	January 16, 2020	
District:					
Major Street:	M St		Lanes: 2	Major Approach Speed:	2
Minor Street:	S 12th St		Lanes: 2	Minor Approach Speed:	
MUTCD Electronic Reference to Ch	apter 4: <u>http:</u>	<u>//mutcd.fhwa.dot.gov/pdf</u>	fs/2009r1r2/part	<u>4.pdf</u>	
olume Level Criteria					
Is the posted speed or 85th	-percentile of major	street > 40 mph (70 km/	h)?	Yes ✓ No	
2. Is the intersection in a built-	up area of an isolat	ed community with a pop	pulation < 10,00	00? Yes ✓ No)
"70%" volume level may be us	ed if Question 1 or	2 above is answered "Ye	es"	70% 🗸 10	0%
VARRANT 3 - PEAK HOUR					
If all three criteria are fulfilled	or the plotted point	lies above the appropriat	te line A	Applicable:	
then the warrant is satisfied.	une protted point	res above the appropriat		Satisfied: Yes Vo	
Unusual condition justifying use of		Plot volume combina	tion on the applic	able figure below.	
warrant:		FIGURE 4C-3:	Criteria for "1	00%" Volume Level	
	600				
Record hour when criteria are fulfilled	<u></u> 500		2 OR MORE LANES & 2	OR MORE LANES	_
and the corresponding delay or volume	÷ +				
in boxes provided.	OAC.		\searrow		_
Peak Hour 100% Volume	MINOR STREET MINOR STREET MGH VOLUME APPROACH - VPH		20	R MORE LANES & 1 LANE	
Time Major Vol. Minor Vo	ME AF 300			1 LANE & 1 LANE	
PM 402 201					_
	-				*150
Peak Hour 70% Volume					*100
Time Major Vol. Minor Vo	<u> </u>				
	40		00 1000 1100 12		1800
Cuitouio			OTAL OF BOTH APPR		
Criteria 1. Delay on Minor Approach	_	• •		t approach with two or more lanes and ninor street approach with one lane.	1
*(vehicle-hours)					
pproach Lanes 1 2	=	FIGURE 4C-4: 0	Criteria for "70	%" Volume Level	
elay Criteria* 4.0 5.0				70 km/hr (40 mph) on Major Street)	
Pelay*	500				\neg
ulfilled?: Yes V No	<u> </u>		2 OR MORE LANE	S & 2 OR MORE LANES	
2. Volume on Minor Approach	=				7
One-Direction *(vehicles per hour)	OAC		2 OR MORE LAI	NES & 1 LANE	
pproach Lanes 1 2	AFPR 300				-
olume Criteria* 100 150	INOR IN			1 LANE & 1 LANE	
olume*	■ 200 —		+	\checkmark	\dashv
ulfilled?: Yes V No	MINOR STREET HIGH VOLUME APPROACH - VPH 700 700 700 700 700 700 700 7		___\/		
2 Total Interposition Enterior	100		+ + /		*100
Total Intersection Entering Volume *(vehicles per hour)					*75
(╣┈				
lo. of Approaches 3 4	300	400 500 600	700 800 9	900 1000 1100 1200	1300

TR	AFFIC SIGNAL WARRANT S	UMMARY
City: Lin County: District:	coln Er	ngineer: John P Diediker Date: January 16, 2020
Major Street: Minor Street:		nes: 4 Major Approach Speed: 30 nes: 2 Minor Approach Speed: 25
MUTCD Electronic Reference to Cha	pter 4: http://mutcd.fhwa.dot.gov/pdfs/2	2009r1r2/part4.pdf
2. Is the intersection in a built-	percentile of major street > 40 mph (70 km/h)? p area of an isolated community with a populated if Question 1 or 2 above is answered "Yes"	
WARRANT 3 - PEAK HOUR If all three criteria are fulfilled of then the warrant is satisfied. Unusual condition justifying use of warrant:		ine, Applicable: Yes No Satisfied: Yes No on the applicable figure below. riteria for "100%" Volume Level
Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided. Peak Hour 100% Volume Time Major Vol. Minor Vol AM 1398 152	MINOR STREET 400 400 400 400 400 400 400 400 400 400	OR MORE LANES & 2 OR MORE LANES 2 OR MORE LANES & 1 LANE 1 LANE & 1 LANE
Peak Hour 70% Volume Time Major Vol. Minor Vol Criteria	0 400 500 600 700 800 900 MAJOR STREET - TOTA	*10 1000 1100 1200 1300 1400 1500 1600 1700 1800 L OF BOTH APPROACHES - VPH e for a minor street approach with two or more lanes and
1. Delay on Minor Approach *(vehicle-hours) Approach Lanes 1 2 Delay Criteria* 4.0 5.0 Delay* Fulfilled?: Yes V No	FIGURE 4C-4: Crit (Community Less than 10,000 po	teria for "70%" Volume Level pulation or above 70 km/hr (40 mph) on Major Street) 2 OR MORE LANES & 2 OR MORE LANES
2. Volume on Minor Approach One-Direction *(vehicles per hour) Approach Lanes 1 2 Volume Criteria* 100 150 Volume* Fulfilled?: Yes V No	MINOR STREET HIGH VOLUME APPROACH - VPH 700 700 700 700 700 700 700 700 700 7	2 OR MORE LANES & 1 LANE 1 LANE & 1 LANE
3. Total Intersection Entering Volume *(vehicles per hour) No. of Approaches 3 4 Volume Criteria* 650 800 Volume* Fulfilled?: Yes V No	* Note: 100 vph applies as the lower threshold volume	o 800 900 1000 1100 1200 1300 OF BOTH APPROACHES - VPH The for a minor street approach with two or more lanes and threshold for a minor street approach with one lane.

Form 750-020-01 TRAFFIC ENGINEERING State of Florida Department of Transportation TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 16, 2020 District: Major Street: Major Approach Speed: Lanes: 30 S 12th St Minor Street: Lanes: Minor Approach Speed: 25 http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf MUTCD Electronic Reference to Chapter 4: **Volume Level Criteria** Yes ✓ No 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes 🗸 No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? 70% 🗸 100% "70%" volume level may be used if Question 1 or 2 above is answered "Yes" **WARRANT 3 - PEAK HOUR** ✓ Yes No Applicable: If all three criteria are fulfilled or the plotted point lies above the appropriate line, Yes V No then the warrant is satisfied. Satisfied: Plot volume combination on the applicable figure below. Unusual condition justifying use of warrant: FIGURE 4C-3: Criteria for "100%" Volume Level 600 2 OR MORE LANES & 2 OR MORE LANES 500 Record hour when criteria are fulfilled MINOR STREET HIGH VOLUME APPROACH - VPH and the corresponding delay or volume in boxes provided. 400 2 OR MORE LANES & 1 LANE Peak Hour 100% Volume 300 Major Vol. Minor Vol. Time 200 1225 РМ 259 *150 *100 100 Peak Hour 70% Volume Major Vol. | Minor Vol. 500 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 400 700 800 MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH Criteria * Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

1. Delay on Minor Approach			
*(vehicle-hours)			
Approach Lanes 1 2			
Delay Criteria* 4.0 5.0			
Delay*			
Fulfilled?: Yes V No			

2. Volume on Minor Approach			
One-Direction *(vehicles per hour)			
Approach Lanes	1	2	
Volume Criteria* 100 150			
Volume*			
Fulfilled?: Yes ✓ No			

3. Total Intersection Entering			
Volume *(vehicles per hour)			
No. of Approaches 3 4			
Volume Criteria* 650 800			
Volume*			
Fulfilled?: Yes V No			

FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street)

500 2 OR MORE LANES & 2 OR MORE LANES MINOR STREET HIGH VOLUME APPROACH - VPH 400 2 OR MORE LANES & 1 LANE 300 LANE & 1 LANE 200 *100 100 *75 0 300 600 1300 MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH

* Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

Form 750-020-01 TRAFFIC ENGINEERING State of Florida Department of Transportation TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 16, 2020 District: Major Street: Major Approach Speed: Lanes: 30 S 12th St Minor Street: Lanes: Minor Approach Speed: 25 MUTCD Electronic Reference to Chapter 4: http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf **Volume Level Criteria** Yes ✓ No 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes 🗸 No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? 70% 🗸 100% "70%" volume level may be used if Question 1 or 2 above is answered "Yes" **WARRANT 3 - PEAK HOUR** ✓ Yes No Applicable: If all three criteria are fulfilled or the plotted point lies above the appropriate line, Yes V No then the warrant is satisfied. Satisfied: Plot volume combination on the applicable figure below. Unusual condition justifying use of warrant: FIGURE 4C-3: Criteria for "100%" Volume Level 600 2 OR MORE LANES & 2 OR MORE LANES 500 Record hour when criteria are fulfilled MINOR STREET HIGH VOLUME APPROACH - VPH and the corresponding delay or volume in boxes provided. 400 2 OR MORE LANES & 1 LANE Peak Hour 100% Volume 300 Major Vol. Time Minor Vol. 200 AM 1536 100 *150 *100 100

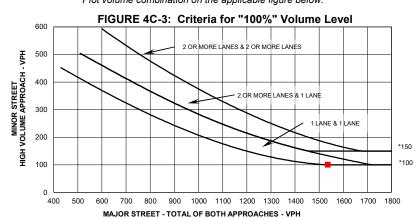
Peak Hour 70% Volume			
Time Major Vol. Minor Vol.			

Criteria

1. Delay on Minor Approach			
*(vehicle-hours)			
1	2		
Delay Criteria* 4.0 5.0			
Delay*			
Fulfilled?: Yes V No			
	1 4.0		

Volume on Minor Approach One-Direction *(vehicles per hour)			
Approach Lanes	1	2	
Volume Criteria* 100 150			
Volume*			
Fulfilled?: Yes V No			

3. Total Intersection Entering			
Volume *(vehicles per hour)			
No. of Approaches	3	4	
Volume Criteria* 650 800			
Volume*			
Fulfilled?: Yes Vo			



* Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

FIGURE 4C-4: Criteria for "70%" Volume Level

(Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) 500 2 OR MORE LANES & 2 OR MORE LANES MINOR STREET HIGH VOLUME APPROACH - VPH 400 2 OR MORE LANES & 1 LANE 300 200 *100 100 *75 0 300 600 1300 MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH

* Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 16, 2020 District: Major Street: Major Approach Speed: Lanes: 30 S 12th St Minor Street: Lanes: Minor Approach Speed: 25 http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf MUTCD Electronic Reference to Chapter 4: **Volume Level Criteria** Yes ✓ No 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes 🗸 No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? 70% 🗸 100% "70%" volume level may be used if Question 1 or 2 above is answered "Yes" **WARRANT 3 - PEAK HOUR** ✓ Yes No Applicable: If all three criteria are fulfilled $\underline{\mathbf{or}}$ the plotted point lies above the appropriate line, Yes V No then the warrant is satisfied. Satisfied: Unusual condition justifying use of Plot volume combination on the applicable figure below. warrant: FIGURE 4C-3: Criteria for "100%" Volume Level 600 2 OR MORE LANES & 2 OR MORE LANES 500 Record hour when criteria are fulfilled MINOR STREET HIGH VOLUME APPROACH - VPH and the corresponding delay or volume in boxes provided. 400 2 OR MORE LANES & 1 LANE Peak Hour 100% Volume 300 Major Vol. Minor Vol. Time РМ 1442 161 *150 *100 100 Peak Hour 70% Volume Major Vol. Minor Vol. 500 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 400 700 800 MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH Criteria * Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 1. Delay on Minor Approach 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane. *(vehicle-hours) Approach Lanes FIGURE 4C-4: Criteria for "70%" Volume Level Delay Criteria* 4 0 5.0 (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) 500 Delay* Fulfilled?: Yes ✓ No 2 OR MORE LANES & 2 OR MORE LANES MINOR STREET HIGH VOLUME APPROACH - VPH 400 2. Volume on Minor Approach 2 OR MORE LANES & 1 LANE One-Direction *(vehicles per hour) 300 Approach Lanes Volume Criteria* 100 150 LANE & 1 LANE Volume* 200 Fulfilled?: Yes *100 100 3. Total Intersection Entering *75 Volume *(vehicles per hour) 0 No. of Approaches 4 300 600 1300 650 800 Volume Criteria* MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH Volume* * Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and Fulfilled?: Yes ✓ No 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

Form 750-020-01 TRAFFIC ENGINEERING State of Florida Department of Transportation TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 16, 2020 District: Major Street: Major Approach Speed: Lanes: 25 13th St Minor Street: Lanes: Minor Approach Speed: 25 MUTCD Electronic Reference to Chapter 4: http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf **Volume Level Criteria** Yes ✓ No 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes 🗸 No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? 70% 🗸 100% "70%" volume level may be used if Question 1 or 2 above is answered "Yes" **WARRANT 3 - PEAK HOUR** ✓ Yes No Applicable: If all three criteria are fulfilled or the plotted point lies above the appropriate line, Yes V No then the warrant is satisfied. Satisfied: Plot volume combination on the applicable figure below. Unusual condition justifying use of warrant: FIGURE 4C-3: Criteria for "100%" Volume Level 600 2 OR MORE LANES & 2 OR MORE LANES 500 Record hour when criteria are fulfilled MINOR STREET HIGH VOLUME APPROACH - VPH and the corresponding delay or volume in boxes provided. 400 2 OR MORE LANES & 1 LANE Peak Hour 100% Volume 300 Major Vol. Minor Vol. Time 1 LANE & 1 LANE 200 1292 AM 101 *150 *100 100 Peak Hour 70% Volume Major Vol. Minor Vol. 500 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 400 700 800 MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH Criteria * Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and

1. Delay on Minor Approach		
*(vehicle-hours)		
Approach Lanes	1	2
Delay Criteria*	4.0	5.0
Delay*		
Fulfilled?:	∕es ✓	No

2. Volume on Mino		
One-Direction *(vehicles per hour)		
Approach Lanes	1	2
Volume Criteria*	100	150
Volume*		
Fulfilled?:	∕es ✓	No

Total Intersection Entering Volume *(vehicles per hour)			
No. of Approaches		3	4
Volume Criteria*		650	800
Volume*			
Fulfilled?:	/	′es 🔽	No

100 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

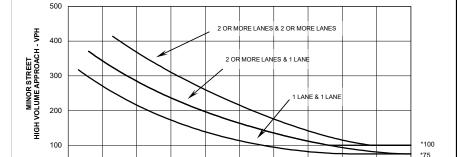


FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street)

MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH * Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

600

0 300

TRAF	FIC SIGNAL W	ARRANT SUMMAI	RY 10/15
City: Lincol County: District:	in	Engineer: Date:	John P Diediker January 16, 2020
Major Street: Minor Street:	O St 13th St	Lanes: 2 Lanes: 2	Major Approach Speed: 25 Minor Approach Speed: 25
MUTCD Electronic Reference to Chapte	r 4: <u>http://mutcd.</u>	fhwa.dot.gov/pdfs/2009r1r2/pa	rt4.pdf
1. Is the posted speed or 85th-perconduction 2. Is the intersection in a built-up a "70%" volume level may be used if	rea of an isolated comn	nunity with a population < 10,0	☐ Yes ☑ No ☐ Yes ☑ No ☐ 70% ☑ 100%
WARRANT 3 - PEAK HOUR If all three criteria are fulfilled or the then the warrant is satisfied. Unusual condition justifying use of warrant:		ve the appropriate line, ot volume combination on the appli FIGURE 4C-3: Criteria for "	•
Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided. Peak Hour 100% Volume Time Major Vol. Minor Vol. PM 1622 187 Peak Hour 70% Volume Time Major Vol. Minor Vol. Criteria 1. Delay on Minor Approach	* Note: 150 vph applies as	2 OR MORE LANES &	8 2 OR MORE LANES OR MORE LANES & 1 LANE 1 LANE & 1 LANE *150 *100 *100 PROACHES - VPH eet approach with two or more lanes and
(vehicle-hours) Approach Lanes 1 2 Delay Criteria 4.0 5.0 Delay* Fulfilled?: Yes No 2. Volume on Minor Approach One-Direction *(vehicles per hour) Approach Lanes 1 2 Volume Criteria* 100 150 Volume* Fulfilled?: Yes No 3. Total Intersection Entering Volume *(vehicles per hour) No. of Approaches 3 4	ı	FIGURE 4C-4: Criteria for "7: unity Less than 10,000 population or abov	0%" Volume Level
Volume Criteria* 650 800 Volume* Fulfilled?: Yes ✓ No		MAJOR STREET - TOTAL OF BOTH APPRO the lower threshold volume for a minor stre the lower threshold volume threshold for a r	eet approach with two or more lanes and

TR	AFFIC SIGNA	AL WARRANT SUMMA	RY
City: Li	ncoln	Engineer:	John P Diediker
County:		Date:	January 16, 2020
District:			
Major Street:	N St	Lanes: 2	Major Approach Speed: 25
Minor Street:	S 13th St	Lanes: 3	Minor Approach Speed: 25
MUTCD Electronic Reference to Cha	apter 4: <u>http://</u>	mutcd.fhwa.dot.gov/pdfs/2009r1r2/pa	art4.pdf
Volume Level Criteria			
1. Is the posted speed or 85th	percentile of major s	treet > 40 mph (70 km/h)?	Yes V No
		d community with a population < 10,	000?
"70%" volume level may be use	ed if Question 1 or 2	above is answered "Yes"	70% 🗸 100%
WARRANT 2 DEAK HOUR			
WARRANT 3 - PEAK HOUR			Applicable: Yes No
If all three criteria are fulfilled of	or the plotted point li	es above the appropriate line,	Applicable.
then the warrant is satisfied.			Satisfied: Yes V No
Unusual condition justifying use of warrant:		Plot volume combination on the appl	-
	600	FIGURE 4C-3: Criteria for	"100%" Volume Level
		2 OR MORE LANES	& 2 OR MORE LANES
Record hour when criteria are fulfilled	¥ 500		
and the corresponding delay or volume in boxes provided.	H 400		
·	MINOR STREET MINOR STREET 400 100 100 100 100 100 100 10		2 OR MORE LANES & 1 LANE
Peak Hour 100% Volume	☐ R R 300 —		
Time Major Vol. Minor Vol AM 408 168			1 LANE & 1 LANE
AM 408 168	<u> </u>		*150
Peak Hour 70% Volume]		*100
Time Major Vol. Minor Vol			
	400		1200 1300 1400 1500 1600 1700 1800
Cuitouio		MAJOR STREET - TOTAL OF BOTH API	
Criteria 1. Delay on Minor Approach	= 1	pplies as the lower threshold volume for a minor str pplies as the lower threshold volume threshold for a	
*(vehicle-hours)			
Approach Lanes 1 2		FIGURE 4C-4: Criteria for "7	70%" Volume Level
Delay Criteria* 4.0 5.0	500	(Community Less than 10,000 population or abo	ve 70 km/hr (40 mph) on Major Street)
Delay*			
Fulfilled?: Yes V No	<u> </u>	2 OR MORE LA	NES & 2 OR MORE LANES
2. Volume on Minor Approach	╗┈┋	2 OR MORE	LANES & 1 LANE
One-Direction *(vehicles per hour)	☐ 300 N N N N N N N N N N N N N N N N N N		
Approach Lanes 1 2 Volume Criteria* 100 150	OR S.		41005 0 41005
Volume*	ZOO 200		1 LANE & 1 LANE
Fulfilled?: Yes ✓ No	MINOR STREET MINOR STREET 400 000 000		X
	╝		*100
Total Intersection Entering Volume *(vehicles per hour)			*75
No. of Approaches 3 4	╣╵╶└		
Volume Criteria* 650 800	300	400 500 600 700 800 MAJOR STREET - TOTAL OF BOTH APPRO	900 1000 1100 1200 1300 DACHES - VPH
Volume*	* Note: 100 vph a	pplies as the lower threshold volume for a minor str	
Fulfilled?: Yes V No	75 vph ap	plies as the lower threshold volume threshold for a	minor street approach with one lane.

City: Line	coln Engineer: John P Diediker
County:	Date: January 16, 2020
District:	Date. Salidary 10, 2020
Maion Chroat	N.C. Larger 2 Major Amurooch Croade
Major Street:	N St Lanes: 2 Major Approach Speed:
Minor Street:	S 13th St Lanes: 3 Minor Approach Speed:
UTCD Electronic Reference to Chap	oter 4: http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf
olume Level Criteria	
1. Is the posted speed or 85th-p	ercentile of major street > 40 mph (70 km/h)?
2 Is the intersection in a built-up	o area of an isolated community with a population < 10,000?
"70%" volume level may be used	I if Question 1 or 2 above is answered "Yes"
/ARRANT 3 - PEAK HOUR	
If all three criteria are fulfilled or	the plotted point lies above the appropriate line, Applicable: Yes No
then the warrant is satisfied.	Satisfied: Yes V No
Unusual condition justifying use of	Plot volume combination on the applicable figure below.
warrant:	FIGURE 4C-3: Criteria for "100%" Volume Level
	600 1155/12 45 61 51/161/161 151 150 7/ 151/161/16 251/161
Description of the state of the	2 OR MORE LANES & 2 OR MORE LANES
Record hour when criteria are fulfilled nd the corresponding delay or volume	, som
in boxes provided.	H
Dook Hour 1009/ Volume	# 500 WIND AND AND AND AND AND AND AND AND AND A
Peak Hour 100% Volume	8 A 300
Time Major Vol. Minor Vol. PM 460 203	UNIO 200
PIVI 460 203	
Peak Hour 70% Volume	<u> </u>
Time Major Vol. Minor Vol.	
	400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 180
<u> </u>	MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH
Criteria	* Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and
1. Delay on Minor Approach	100 vph applies as the lower threshold volume threshold for a minor street approach with one lane.
*(vehicle-hours)	FIGURE 40 4 0 % to to UETOVIII Vol. and London
elay Criteria* 4.0 5.0	FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street)
elay*	500
ılfilled?:	T 2 OR MORE LANES & 2 OR MORE LANES
	400
2. Volume on Minor Approach	2 OR MORE LANES & 1 LANE
One-Direction *(vehicles per hour) oproach Lanes 1 2	# 300 H 300
olume Criteria* 100 150	ME & 1 LANE & 1 LANE
olume*	TLANE & I LANE
ulfilled?: Yes V No	2 OR MORE LANES & 2 OR MORE LANES 2 OR MORE LANES & 1 LANE 1 LANE & 1 LANE
	9 100
3. Total Intersection Entering	
Volume *(vehicles per hour)	
o. of Approaches 3 4 Dlume Criteria* 650 800	0

Form 750-020-01 TRAFFIC ENGINEERING State of Florida Department of Transportation TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 16, 2020 District: Major Street: Major Approach Speed: Lanes: 25 S 13th St Minor Street: Lanes: Minor Approach Speed: 25 MUTCD Electronic Reference to Chapter 4: http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf **Volume Level Criteria** Yes ✓ No 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes 🗸 No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? 70% 🗸 100% "70%" volume level may be used if Question 1 or 2 above is answered "Yes" **WARRANT 3 - PEAK HOUR** ✓ Yes No Applicable: If all three criteria are fulfilled or the plotted point lies above the appropriate line, Yes V No then the warrant is satisfied. Satisfied: Plot volume combination on the applicable figure below. Unusual condition justifying use of warrant: FIGURE 4C-3: Criteria for "100%" Volume Level 600 2 OR MORE LANES & 2 OR MORE LANES 500 Record hour when criteria are fulfilled and the corresponding delay or volume 400

in boxes provided.

Peak Ho	ur 100% Vo	lume
Time	Major Vol.	Minor Vol.
AM	408	218

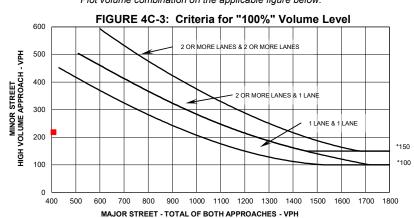
Peak Hour 70% Volume		
Time	Major Vol.	Minor Vol.

Criteria

1. Delay on Minor Approach			
*(vehicle-hours)			
Approach Lanes	1	2	
Delay Criteria*	4.0	5.0	
Delay*			
Fulfilled?: Yes V No			

2. Volume on Minor Approach			
One-Direction *(vehicles per hour)			
Approach Lanes	1	2	
Volume Criteria*	100	150	
Volume*			
Fulfilled?:	∕es ✓	No	

Total Intersection Entering Volume *(vehicles per hour)			
No. of Approaches	i	3	4
Volume Criteria*		650	800
Volume*			
Fulfilled?: Yes V No			



* Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

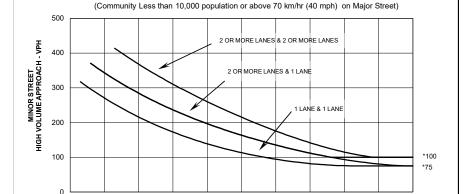


FIGURE 4C-4: Criteria for "70%" Volume Level

MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH * Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

600

300

1300

City: Lincoln County: Delet: Date: January 16, 2020 Major Street: M St. Lanes: 2 Major Approach Speed: 25 Minor Street: S 13th St. Lanes: 2 Major Approach Speed: 25 Minor Street: S 13th St. Lanes: 2 Major Approach Speed: 25 MINTCD Electronic Reference to Chapter 4: http://mutod.finwa.dot.gov/pdfs/2009r1/2/part4.pdf Volume Level Criteria 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)?	TRA	FFIC SIGNAL WARRANT SUMMARY
MInor Street: S 13th St Lanes: 2 Minor Approach Speed: 25 MUTCD Electronic Reference to Chapter 4: http://mutcd.fhwa.dol.gov/pdfs/2009r1r2/part4.pdf Volume Level Criteria 1. Is the posted speed or 85th-percentilie of major street > 40 mph (70 km/h)? 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? Yes ✓ No "70%" volume level may be used if Question 1 or 2 above is answered "Yes" 70% ✓ 100% WARRANT 3 - PEAK HOUR If all three criteria are fulfilled or the plotted point lies above the appropriate line, Satisfied: Yes ✓ No Satisfied: Yes ✓ No Criteria 1. Delay on Minor Yoll Minor Vol. Peak Hour 100% Volume Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Peak Hour 100% Volume Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Peak Hour 100% Volume Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Peak Hour 70% Volume Criteria 1. Delay on Minor Approach (vehicle-hours) Approach Lanes 1. Delay on Minor Approach One-Direction Yvehicles per hour) Approach Lanes 1. One Direction Yvehicles per hour) Noulme Criteria 1. One Direction Yvehicles per hour) Noulme Criteria 3. Total Intersection Entering Volume Criteria 5. One Direction Typerpach One Direction Yvehicles per hour) Noulme Criteria 1. One Direction Typerpach One Direction Yvehicles per hour) Noulme Criteria 1. One Direction Typerpach One Direction Yvehicles per hour) Noulme Criteria 1. One Direction Typerpach O	County:	
Volume Level Criteria		
1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? "70%" volume level may be used if Question 1 or 2 above is answered "Yes" WARRANT 3 - PEAK HOUR If all three criteria are fulfilled or the plotted point lies above the appropriate line, then the warrant is satisfied. Unusual condition justifying use of warrant: Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided. Peak Hour 100% Volume Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Minor Vol. Peak Hour 70% Volume (Titaria) 1. Delay on Minor Approach ("Vehicle-hours) Approach Lanes 1 2 Delay or Interior (Vehicles per hour) Approach Lanes 1 2 Volume on Minor Approach ("Vehicles per hour) No. of Approaches 3 1 2 Volume on Nitro Approaches 3 4 4 4 0 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MUTCD Electronic Reference to Chapt	ter 4: http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf
If all three criteria are fulfilled or the plotted point lies above the appropriate line, Applicable: Satisfied: Unusual condition justifying use of warrant: Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided. Peak Hour 100% Volume Time Major Vol. Minor Vol. PM 460 275 Peak Hour 70% Volume Time Major Vol. Minor Vol. PM 460 275 Peak Hour 70% Volume Time Major Vol. Minor Vol. Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Time Major Vol. Min	Is the posted speed or 85th-pe Is the intersection in a built-up	area of an isolated community with a population < 10,000?
Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided. Peak Hour 100% Volume Time Major Vol. Minor Vol. PM 460 275 Peak Hour 70% Volume Time Major Vol. Minor Vol. PM 460 275 Peak Hour 70% Volume Time Major Vol. Minor Vol. PM 460 275 **Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor street approach with one lane. **FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/br (40 mph) on Major Street) **FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/br (40 mph) on Major Street) **FUffilled?: Yes No 3. Total Intersection Entering Volume "(vehicles per hour) No. of Approaches 3 4 4 Volume (750 800 800 700 800 900 1000 1100 1200 1300 1100 1200	If all three criteria are fulfilled or then the warrant is satisfied. Unusual condition justifying use of	the plotted point lies above the appropriate line, Satisfied: Plot volume combination on the applicable figure below. FIGURE 4C-3: Criteria for "100%" Volume Level
Time Major Vol. Minor Vol. Major Vol. Minor Vol.	and the corresponding delay or volume	2 OR MORE LANES & 2 OR MORE LANES
Au	Time Major Vol. Minor Vol. PM 460 275 Peak Hour 70% Volume	1100 HIGH VOLUME APP 1100 1100 1100 1100 1100 1100 1100
#(vehicle-hours) Approach Lanes	Criteria	400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH * Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and
3. Total Intersection Entering Volume *(vehicles per hour) No. of Approaches 3 4 Volume Criteria* 650 800 100 100 100 100 100 1100 1200 1300 MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH	*(vehicle-hours) Approach Lanes 1 2 Delay Criteria* 4.0 5.0 Delay*	FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street)
3. Total Intersection Entering Volume *(vehicles per hour) No. of Approaches 3 4 Volume Criteria* 650 800 **Major STREET - TOTAL OF BOTH APPROACHES - VPH **75 **75 **75 **75 **75 **** **Major STREET - TOTAL OF BOTH APPROACHES - VPH	One-Direction *(vehicles per hour) Approach Lanes 1 2 Volume Criteria* 100 150 Volume* 100 150	
11 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	Volume *(vehicles per hour) No. of Approaches 3 4	300 400 500 600 700 800 900 1000 1100 1200 1300

City: Line	coln Engineer: John P Diediker
County:	Date: January 16, 2020
District:	Date. January 10, 2020
Major Street:	Lanes: 4 Major Approach Speed:
Minor Street:	S 13th St Lanes: 2 Minor Approach Speed:
UTCD Electronic Reference to Chap	oter 4: http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf
olume Level Criteria	
1. Is the posted speed or 85th-pe	ercentile of major street > 40 mph (70 km/h)?
	o area of an isolated community with a population < 10,000?
"70%" volume level may be used	d if Question 1 or 2 above is answered "Yes"
/ARRANT 3 - PEAK HOUR	
<u>.</u>	the plotted point lies above the appropriate line, Applicable: Yes No
then the warrant is satisfied.	Satisfied: Yes Vo
Unusual condition justifying use of	Plot volume combination on the applicable figure below.
warrant:	FIGURE 4C-3: Criteria for "100%" Volume Level
	600 TIGORE 40-3. Criteria foi 100 % Voldine Level
	2 OR MORE LANES & 2 OR MORE LANES
Record hour when criteria are fulfilled nd the corresponding delay or volume	2 OR MORE LANES & 1 LANE 1 LANE & 1 LANE 1 LANE & 1 LANE 1 LANE & 1 LANE
in boxes provided.	H 400
	2 OR MORE LANES & 1 LANE
Peak Hour 100% Volume	5 4 300
Time Major Vol. Minor Vol.	SEN 1 LANE & 1 LANE
AM 1658 142	- S 200
Peak Hour 70% Volume	D D 100
Time Major Vol. Minor Vol.	
Time Major voi.	0
	MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH
Criteria	* Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and
1. Delay on Minor Approach	100 vph applies as the lower threshold volume threshold for a minor street approach with one lane.
*(vehicle-hours)	
pproach Lanes 1 2	FIGURE 4C-4: Criteria for "70%" Volume Level
elay Criteria* 4.0 5.0	(Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street)
elay*	
ılfilled?: Yes 🗸 No	2 OR MORE LANES & 2 OR MORE LANES
2. Volume on Minor Approach	1
One-Direction *(vehicles per hour)	2 OR MORE LANES & 2 OR MORE LANES 2 OR MORE LANES & 1 LANE 1 LANE & 1 LANE
oproach Lanes 1 2	STR 300
olume Criteria* 100 150	TLANE & 1 LANE
olume*	29 200
ılfilled?: Yes 🗸 No	
3. Total Intersection Entering	100
	1
Volume *(vehicles per hour)	
Volume *(vehicles per hour) o. of Approaches 3 4	300 400 500 600 700 800 900 1000 1100 1200 1300

City: Lincoln County: Date: January 16, 2020 Major Street: L St Lanes: 4 Major Approach Speed: Minor Street: S 13th St Lanes: 2 Minor Approach Speed: Minor Street: S 13th St Lanes: 2 Minor Approach Speed: Minor Approach Speed: Minor Approach Speed: MITCD Electronic Reference to Chapter 4: http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf Volume Level Criteria 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes ✓ No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? Yes ✓ No "70%" volume level may be used if Question 1 or 2 above is answered "Yes" 70% ✓ 100% WARRANT 3 - PEAK HOUR If all three criteria are fulfilled or the plotted point lies above the appropriate line, then the warrant is satisfied. Unusual condition justifying use of warrant: Figure 4C-3: Criteria for "100%" Volume Level Peak Hour 100% Volume Piot volume combination on the applicable figure below.
MUTCD Electronic Reference to Chapter 4: http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf Volume Level Criteria 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? "70%" volume level may be used if Question 1 or 2 above is answered "Yes" WARRANT 3 - PEAK HOUR If all three criteria are fulfilled or the plotted point lies above the appropriate line, then the warrant is satisfied. Unusual condition justifying use of warrant: FIGURE 4C-3: Criteria for "100%" Volume Level 2 ORMORE LANES & 2 OR MORE LA
Volume Level Criteria 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000?
1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? "70%" volume level may be used if Question 1 or 2 above is answered "Yes" 70%
If all three criteria are fulfilled or the plotted point lies above the appropriate line, then the warrant is satisfied. Unusual condition justifying use of warrant: Plot volume combination on the applicable figure below. FIGURE 4C-3: Criteria for "100%" Volume Level
2 OR MORE LANES & 2 OR MORE LANES
Peak Hour 100% Volume Time Major Vol. Minor Vol.
PM 1382 352 Peak Hour 70% Volume 100
Criteria * Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane.
(vehicle-hours) Approach Lanes 1 2 Delay Criteria 4.0 5.0 Delay* Fulfilled?: Ves. [No.]
2. Volume on Minor Approach One-Direction *(vehicles per hour) Approach Lanes 1 2 Volume Criteria* 100 150 Volume* Fulfilled?: Yes ✓ No
3. Total Intersection Entering Volume *(vehicles per hour) No. of Approaches 3 4 Volume Criteria* 650 800 Volume* *Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and

Form 750-020-01 TRAFFIC ENGINEERING State of Florida Department of Transportation TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 16, 2020 District: Major Street: Major Approach Speed: Lanes: 30 S 13th St Minor Street: Lanes: Minor Approach Speed: 25 http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf MUTCD Electronic Reference to Chapter 4: **Volume Level Criteria** Yes ✓ No 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes 🗸 No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? 70% 🗸 100% "70%" volume level may be used if Question 1 or 2 above is answered "Yes" **WARRANT 3 - PEAK HOUR** ✓ Yes No Applicable: If all three criteria are fulfilled $\underline{\mathbf{or}}$ the plotted point lies above the appropriate line, ✓ Yes No then the warrant is satisfied. Satisfied: Unusual condition justifying use of Plot volume combination on the applicable figure below. warrant: FIGURE 4C-3: Criteria for "100%" Volume Level 600 2 OR MORE LANES & 2 OR MORE LANES 500 Record hour when criteria are fulfilled MINOR STREET HIGH VOLUME APPROACH - VPH and the corresponding delay or volume in boxes provided. 400 2 OR MORE LANES & 1 LANE Peak Hour 100% Volume 300 Major Vol. Minor Vol. Time AM 1596 308 *150 *100 100 Peak Hour 70% Volume Major Vol. Minor Vol. 500 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 400 700 800 MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH Criteria * Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 1. Delay on Minor Approach 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane. *(vehicle-hours) Approach Lanes FIGURE 4C-4: Criteria for "70%" Volume Level Delay Criteria* 4 0 5.0 (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) 500 Delay* Fulfilled?: Yes ✓ No 2 OR MORE LANES & 2 OR MORE LANES MINOR STREET HIGH VOLUME APPROACH - VPH 400 2. Volume on Minor Approach 2 OR MORE LANES & 1 LANE One-Direction *(vehicles per hour) 300 Approach Lanes Volume Criteria* 100 150 LANE & 1 LANE Volume* 200 Fulfilled?: Yes *100 100 3. Total Intersection Entering *75

* Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

600

0

300

Volume *(vehicles per hour)

4

800

650

✓ No

Yes

No. of Approaches

Volume Criteria*

Volume*

Fulfilled?:

1300

TRAF	FIC SIGNAL WARRANT SUMMARY
City: Linco County: District:	Engineer: John P Diediker Date: January 16, 2020
Major Street: Minor Street:	K StLanes:4Major Approach Speed:30S 13th StLanes:2Minor Approach Speed:25
MUTCD Electronic Reference to Chapte	er 4: http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf
2. Is the intersection in a built-up a	centile of major street > 40 mph (70 km/h)? ☐ Yes ✓ No ☐ Yes ✓ No ☐ Yes ✓ No ☐ Yes ✓ No ☐ Question 1 or 2 above is answered "Yes" ☐ 70% ✓ 100%
WARRANT 3 - PEAK HOUR If all three criteria are fulfilled or the then the warrant is satisfied. Unusual condition justifying use of warrant:	ne plotted point lies above the appropriate line, Satisfied: Plot volume combination on the applicable figure below. FIGURE 4C-3: Criteria for "100%" Volume Level
Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided.	2 OR MORE LANES & 2 OR MORE LANES 2 OR MORE LANES & 1 LANE
Peak Hour 100% Volume Time Major Vol. Minor Vol. PM 1545 224 Peak Hour 70% Volume	HAN - HOUND 200 1 LANE & 1 LANE 1 100 1 100
Time Major Vol. Minor Vol. Criteria	*Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and
1. Delay on Minor Approach *(vehicle-hours) Approach Lanes 1 2 Delay Criteria* 4.0 5.0 Delay* Fulfilled?: Yes No	FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street)
2. Volume on Minor Approach One-Direction *(vehicles per hour) Approach Lanes 1 2 Volume Criteria* 100 150 Volume* Fulfilled?: Yes V No	TIANE & 1 LANE 2 OR MORE LANES & 2 OR MORE LANES 2 OR MORE LANES & 1 LANE 1 LANE & 1 LANE 1100
3. Total Intersection Entering Volume *(vehicles per hour) No. of Approaches 3 4 Volume Criteria* 650 800 Volume*	*Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and

TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 16, 2020 District: Major Street: Major Approach Speed: Lanes: 25 N 14th St Minor Street: Lanes: Minor Approach Speed: 25 http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf MUTCD Electronic Reference to Chapter 4: **Volume Level Criteria** Yes ✓ No 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes 🗸 No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? 70% 🗸 100% "70%" volume level may be used if Question 1 or 2 above is answered "Yes" **WARRANT 3 - PEAK HOUR** ✓ Yes No Applicable: If all three criteria are fulfilled $\underline{\mathbf{or}}$ the plotted point lies above the appropriate line, Yes V No then the warrant is satisfied. Satisfied: Unusual condition justifying use of Plot volume combination on the applicable figure below. warrant: FIGURE 4C-3: Criteria for "100%" Volume Level 600 2 OR MORE LANES & 2 OR MORE LANES 500 Record hour when criteria are fulfilled MINOR STREET HIGH VOLUME APPROACH - VPH and the corresponding delay or volume in boxes provided. 400 2 OR MORE LANES & 1 LANE Peak Hour 100% Volume 300 Major Vol. Minor Vol. 1 LANE & 1 LANE Time AM 838 243 *150 *100 100 Peak Hour 70% Volume Major Vol. Minor Vol. 500 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 400 700 800 MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH Criteria * Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 1. Delay on Minor Approach 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane. *(vehicle-hours) Approach Lanes FIGURE 4C-4: Criteria for "70%" Volume Level Delay Criteria* 4 0 5.0 (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) 500 Delay* Fulfilled?: Yes ✓ No 2 OR MORE LANES & 2 OR MORE LANES MINOR STREET HIGH VOLUME APPROACH - VPH 400 2. Volume on Minor Approach 2 OR MORE LANES & 1 LANE One-Direction *(vehicles per hour) 300 Approach Lanes Volume Criteria* 100 150 LANE & 1 LANE Volume* 200 Fulfilled?: Yes *100 100 3. Total Intersection Entering *75 Volume *(vehicles per hour) 0 No. of Approaches 4 300 600 1300 650 800 Volume Criteria* MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH Volume* * Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and Fulfilled?: Yes ✓ No 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

Form 750-020-01 TRAFFIC ENGINEERING State of Florida Department of Transportation TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 16, 2020 District: Major Street: Major Approach Speed: Lanes: 25 N 14th St Minor Street: Lanes: Minor Approach Speed: 25 http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf MUTCD Electronic Reference to Chapter 4: **Volume Level Criteria** Yes ✓ No 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes 🗸 No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? 70% 🗸 100% "70%" volume level may be used if Question 1 or 2 above is answered "Yes" **WARRANT 3 - PEAK HOUR** ✓ Yes No Applicable: If all three criteria are fulfilled or the plotted point lies above the appropriate line,

then the warrant is satisfied.

✓ Yes No Satisfied:

Unusual condition justifying use of warrant:

Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided.

Peak Hou	ur 100% Vo	lume
Time	Major Vol.	Minor Vol.
PM	865	502

Peak Ho	ur 70% Vo	lume
Time	Major Vol.	Minor Vol.

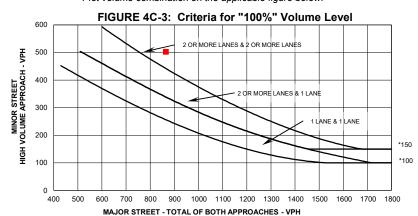
Criteria

Delay on Minor Approach				
*(vehicle-hours)				
Approach Lanes 1 2				
Delay Criteria*	4.0	5.0		
Delay*				
Fulfilled?: Yes V No				

2. Volume on Minor Approach				
One-Direction *(vehicles per hour)				
Approach Lanes	1	2		
Volume Criteria* 100 150				
Volume*				
Fulfilled?: Yes V No				

3. Total Intersection Entering				
Volume *(vehicles per hour)				
No. of Approaches	3	4		
Volume Criteria*	650	800		
Volume*				
Fulfilled?: Yes V No				

Plot volume combination on the applicable figure below.



* Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

FIGURE 4C-4: Criteria for "70%" Volume Level

(Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) 500 2 OR MORE LANES & 2 OR MORE LANES MINOR STREET HIGH VOLUME APPROACH - VPH 400 2 OR MORE LANES & 1 LANE 300 200 *100 100 *75 300 600 1300 MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH

* Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

City: Li	ncoln		Engineer:	John P Diediker	
County:	ICOIII	_	Date:	January 16, 2020	
District:				bulldary 10, 2020	
Major Street:	P St		Lanes: 3	Major Approach Speed:	2
Minor Street:	N 14th St		Lanes: 2	Minor Approach Speed:	2
				_	
//UTCD Electronic Reference to Cha	apter 4: <u>htt</u>	o://mutcd.fhwa.dot.go	ov/pdfs/2009r1r2/part	<u>4.pdf</u>	
olume Level Criteria					
1. Is the posted speed or 85th-	percentile of majo	or street > 40 mph (7	'0 km/h)?	Yes ✓ No	
2. Is the intersection in a built-	up area of an isola	ated community with	a population < 10,00	00? Yes ✓ No	
"70%" volume level may be use	ed if Question 1 o	r 2 above is answere	ed "Yes"	70% 🗸 1009	%
VARRANT 3 - PEAK HOUR					
If all three criteria are fulfilled	r the plotted poin	at lies above the anni	ropriate line	Applicable: Yes No	
then the warrant is satisfied.	rine pietica peni	t nee above the appr	opriate inte,	Satisfied: Yes Vo	
Unusual condition justifying use of		Plot volume co	ombination on the applic	able figure below.	
warrant:		FIGURE 4	4C-3: Criteria for "1	00%" Volume Level	
	600				
Record hour when criteria are fulfilled	王 500		2 OR MORE LANES &	? OR MORE LANES	
and the corresponding delay or volume	,				
in boxes provided.	OAC.				-
Peak Hour 100% Volume	MINOR STREET MINOR STREET 100 100 100 100		20	R MORE LANES & 1 LANE	
Time Major Vol. Minor Vol	ME AF 800			1 LANE & 1 LANE	
AM 446 133	☐ ■ 200				_
7.00	빌				*150
Peak Hour 70% Volume					*10
Time Major Vol. Minor Vol					
		400 500 600 700 8	800 900 1000 1100 12		1800
Cuitouio	_		EET - TOTAL OF BOTH APPR		
Criteria 1. Delay on Minor Approach				et approach with two or more lanes and ninor street approach with one lane.	
*(vehicle-hours)					
approach Lanes 1 2	╣ │	FIGURE 40	C-4: Criteria for "70	%" Volume Level	
Delay Criteria* 4.0 5.0]			70 km/hr (40 mph) on Major Street)	
Delay*	500				
ulfilled?: Yes V No	<u> </u>		2 OR MORE LANE	S & 2 OR MORE LANES	
2. Volume on Minor Approach					1
One-Direction *(vehicles per hour)	SEET		2 OR MORE LA	NES & 1 LANÉ	
pproach Lanes 1 2	S S S S S S S S S S S S S S S S S S S				1
olume Criteria* 100 150	UME			1 LANE & 1 LANE	
′olume*	N 200 -			\swarrow	1
ulfilled?: Yes V No	MINOR STREET HIGH VOLUME APPROACH - VPH		 		
3. Total Intersection Entering	100				*10 *75
Volume *(vehicles per hour)					'
	i 0 [J
lo. of Approaches 3 4	_ 30	0 400 500 6	300	900 1000 1100 1200 1	300

	TRAFFIC SIGN	NAL WARRAI	NT SUMMAR	Y
City: County: District:	Lincoln		Engineer:	John P Diediker January 16, 2020
Major Street: Minor Street:	P St N 14th St		Lanes: 3 Lanes: 2	Major Approach Speed: 25 Minor Approach Speed: 25
MUTCD Electronic Reference	e to Chapter 4: <u>http</u>	://mutcd.fhwa.dot.gov	//pdfs/2009r1r2/part4	1.pdf
2. Is the intersection in	or 85th-percentile of majo a built-up area of an isola y be used if Question 1 or	ited community with a	population < 10,000	☐ Yes ✓ No ☐ Yes ✓ No ☐ 70% ✓ 100%
WARRANT 3 - PEAK HO If all three criteria are furthen the warrant is satist Unusual condition justifying unwarrant:	Ifilled <u>or</u> the plotted point fied.	Plot volume com	priate line, bination on the applica	•
Record hour when criteria are and the corresponding delay or in boxes provided. Peak Hour 100% Volume	we linor Vol. 243 HgH Aphroyol. 200 The linor Vol. 0 * Note: 150 vp	MAJOR STREI th applies as the lower threshol	2 OR MORE LANES & 2 2 OR 0 900 1000 1100 120 ET - TOTAL OF BOTH APPRO	*150 *100 0 1300 1400 1500 1600 1700 1800 OACHES - VPH approach with two or more lanes and
1. Delay on Minor Approx *(vehicle-hours) Approach Lanes 1 Delay Criteria* 4.0 Delay* Fulfilled?: Yes 2. Volume on Minor Approx One-Direction *(vehicles per Approach Lanes 1 Volume Criteria* 100 Volume* Fulfilled?: Yes 3. Total Intersection Enter Volume *(vehicles per hours) No. of Approaches 3 Volume Criteria* 650 Volume*	2 5.0 500	FIGURE 4C (Community Less than	-4: Criteria for "70% 10,000 population or above 7 2 OR MORE LANES 2 OR MORE LAN 2 OR MORE LAN 3 OR	8 2 OR MORE LANES ES & 1 LANE 1 LANE & 1 LANE *100 *75

TRA	AFFIC SIGNAL WARRANT SUMMARY
City: Line County: District:	Coln Engineer: John P Diediker Date: January 16, 2020
Major Street:	O St Lanes: 2 Major Approach Speed: 25 N 14th St Lanes: 2 Minor Approach Speed: 25
MUTCD Electronic Reference to Chap	pter 4: http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf
2. Is the intersection in a built-up	percentile of major street > 40 mph (70 km/h)? □ Yes ✓ No □ Yes ✓ No □ Yes ✓ No □ d if Question 1 or 2 above is answered "Yes" □ 70% ✓ 100%
WARRANT 3 - PEAK HOUR If all three criteria are fulfilled or then the warrant is satisfied. Unusual condition justifying use of warrant:	the plotted point lies above the appropriate line, Satisfied: Plot volume combination on the applicable figure below. FIGURE 4C-3: Criteria for "100%" Volume Level
Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided.	2 OR MORE LANES & 2 OR MORE LANES 2 OR MORE LANES & 1 LANE 2 OR MORE LANES & 1 LANE
Peak Hour 100% Volume Time Major Vol. Minor Vol. AM 1522 101 Peak Hour 70% Volume	2 OR MORE LANES & 1 LANE 1 LANE & 1 LANE
Time Major Vol. Minor Vol.	0 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH
Approach Lanes 1 2 Delay Criteria* 4.0 5.0 Delay* Fulfilled?: Yes V No	* Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane. FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) 2 OR MORE LANES & 2 OR MORE LANES
2. Volume on Minor Approach One-Direction *(vehicles per hour) Approach Lanes 1 2 Volume Criteria* 100 150 Volume* Fulfilled?: Yes ✓ No	2 OR MORE LANES & 1 LANE 100 2 OR MORE LANES & 1 LANE 1 LANE & 1 LANE 1100
3. Total Intersection Entering Volume *(vehicles per hour) No. of Approaches Volume Criteria* Volume* Fulfilled?: Yes Volume*	*Note: 100 vph applies as the lower threshold volume for a minor street approach with one lane.

City: County:	Linco	oln		Engineer: Date:	John P Diediker January 16, 2020	
District:					-	
Major Street:		O St		Lanes: 2	Major Approach Speed	i:2
Minor Street:		N 14th St		Lanes: 2	Minor Approach Speed	l:2
MUTCD Electronic Re	eference to Chapte	er 4: <u>htt</u>	o://mutcd.fhwa.dot.go	v/pdfs/2009r1r2/par	t <u>4.pdf</u>	
olume Level Criter	i <u>a</u>					
1. Is the posted	speed or 85th-per	centile of majo	or street > 40 mph (70) km/h)?	Yes 🗸 N	0
2. Is the interse	ction in a built-up a	area of an isola	ated community with a	a population < 10,00	00?	0
			-			2004
"70%" volume le	vel may be used i	f Question 1 o	r 2 above is answere	d "Yes"	70% 🔽 10	J0%
VARRANT 3 - PE	AK HOUR					
If all three criteri	a are fulfilled or t	he nlotted noin	t lies above the appro	onriate line	Applicable:	0
then the warrant		ie piolied poiri	t lies above the appro	риас ше,	Satisfied: Yes No	0
Unusual condition ju	stifving use of		Plot volume con	nbination on the applic	able figure below.	
warran				* *	100%" Volume Level	
		600	TIGURE 4	C-3. Ciliteria iti	100 % Volume Lever	
		T 500		2 OR MORE LANES &	2 OR MORE LANES	
Record hour when crit		H 500				
and the corresponding in boxes pro	-	H 400				
		MINOR STREET MINOR STREET 000 000 000		20	R MORE LANES & 1 LANE	
Peak Hour 100	% Volume	R SI 300				_
Time Major	Vol. Minor Vol.	ONIN			1 LANE & 1 LANE	
PM 181	187	200 ≥ 200				*1
Peak Hour 70%	/ Volumo	호 = 100				*1
Time Major	Vol. Minor Vol.	0	100 500 600 700 00	100 1000 1100 11	200 4000 4400 4500 4600 4700	1000
		•		00 900 1000 1100 12 ET - TOTAL OF BOTH APPF	200 1300 1400 1500 1600 1700 ROACHES - VPH	1800
Crite	eria	* Note: 150 v	oh applies as the lower thresh	old volume for a minor stree	et approach with two or more lanes ar	nd
1. Delay on Mino	r Approach	100 vj	oh applies as the lower thresh	old volume threshold for a r	minor street approach with one lane.	
*(vehicle-h						
pproach Lanes	1 2			-4: Criteria for "70		
elay Criteria*	4.0 5.0	500 F	(Community Less than	10,000 population or above	e 70 km/hr (40 mph) on Major Street)	_
elay*	V					
ulfilled?:	Yes 🗸 No	H 400 −		2 OR MORE LANE	S & 2 OR MORE LANES	
2. Volume on Min	or Approach	. ±			N-00444N-	
One-Direction *(vehi	icles per hour)	ROA		2 OR MORE LA	INES & 1 LANE	
pproach Lanes	1 2	APPR 300				
olume Criteria*	100 150	UME			1 LANE & 1 LANE	
olume*		[™] o 200			\star	
ulfilled?:	Yes Vo	MINOR STREET MIGH VOLUME APPROACH - VPH 1000		———	4	
	ion Entering	100				*1
3 Total Intersecti	OIL EILCOININ					*7
3. Total Intersecti Volume *(vehicle	- 11					
	- 11	0 30	0 400 500 60	0 700 800	900 1000 1100 1200	1300

	TRAFFIC SIGNA	AL WARRAN	IT SUMMAR	Υ	10/15
City: County: District:	Lincoln		Engineer:	John P Diediker January 10, 2020	
Major Street: Minor Street:	N St N 14th St		Lanes: 2 Lanes: 2	Major Approach Speed: _ Minor Approach Speed: _	25 25
MUTCD Electronic Reference	to Chapter 4: http://	/mutcd.fhwa.dot.gov	<u>/pdfs/2009r1r2/part4</u>	4.pdf	
Nolume Level Criteria Section 1. Is the posted speed or 2. Is the intersection in a "70%" volume level may be a section of the control of the contr	built-up area of an isolate	ed community with a	population < 10,00	☐ Yes ☑ No ☐ Yes ☑ No ☐ 70% ☑ 100%	6
WARRANT 3 - PEAK HOU If all three criteria are fulfithen the warrant is satisfied Unusual condition justifying us	lled <u>or</u> the plotted point li ed.	Plot volume com	bination on the applica	•	
'	Olume WINNOR STREET OL VOLUME APPROACH - V OL VOLUME APPROACH -	FIGURE 40	2 OR MORE LANES & 2	OR MORE LANES R MORE LANES & 1 LANE 1 LANE & 1 LANE	*150 *100
Criteria 1. Delay on Minor Approact *(vehicle-hours) Approach Lanes 1		MAJOR STREE applies as the lower thresho applies as the lower thresho	T - TOTAL OF BOTH APPRO	DACHES - VPH approach with two or more lanes and inor street approach with one lane.	800
2. Volume on Minor Approa One-Direction *(vehicles per h Approach Lanes 1 Volume Criteria* 100 Volume*	NO NO HIGH NAME STREET 100 NO	400 500 600 MAJOR STREET	2 OR MORE LANES 2 OR MORE LAN 700 800 9 - TOTAL OF BOTH APPROAC	1 LANE & 1 LANE 00 1000 1100 1200 13	*100 *75

Form 750-020-01 TRAFFIC ENGINEERING State of Florida Department of Transportation TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 10, 2020 District: Major Street: Major Approach Speed: Lanes: 25 N 14th St Minor Street: Lanes: Minor Approach Speed: 25 MUTCD Electronic Reference to Chapter 4: http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf **Volume Level Criteria** Yes ✓ No 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes 🗸 No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? 70% 🗸 100% "70%" volume level may be used if Question 1 or 2 above is answered "Yes" **WARRANT 3 - PEAK HOUR** ✓ Yes No Applicable: If all three criteria are fulfilled or the plotted point lies above the appropriate line, Yes V No then the warrant is satisfied. Satisfied: Plot volume combination on the applicable figure below. Unusual condition justifying use of warrant: FIGURE 4C-3: Criteria for "100%" Volume Level 600 2 OR MORE LANES & 2 OR MORE LANES 500 Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided. 400 2 OR MORE LANES & 1 LANE 300

Peak Hour 100% Volume				
Time	Major Vol.	Minor Vol.		
PM 493 203				

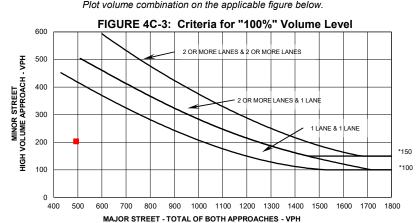
Peak Hour 70% Volume				
Time	Major Vol.	Minor Vol.		

Criteria

1. Delay on Minor Approach				
*(vehicle-hours)				
Approach Lanes	1	2		
Delay Criteria*	4.0	5.0		
Delay*				
Fulfilled?: Yes Vo				

2. Volume on Minor Approach				
One-Direction *(vehicles per hour)				
Approach Lanes	1	2		
Volume Criteria* 100 150				
Volume*				
Fulfilled?: Yes V No				

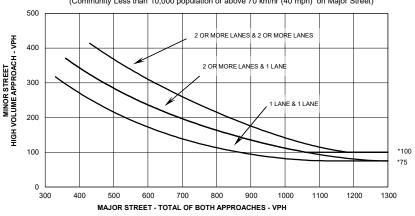
Total Intersection Entering Volume *(vehicles per hour)				
No. of Approaches	i	3	4	
Volume Criteria* 650 800				
Volume*				
Fulfilled?: Yes Vo				



* Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

FIGURE 4C-4: Criteria for "70%" Volume Level

(Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street)



* Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 10, 2020

District: Major Street: Major Approach Speed: Lanes: 25 N 14th St Minor Street: Lanes: Minor Approach Speed: 25

MUTCD Electronic Reference to Chapter 4:

http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf

Volume Level Criteria

- 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)?
- 2. Is the intersection in a built-up area of an isolated community with a population < 10,000?

500

400

300

"70%" volume level may be used if Question 1 or 2 above is answered "Yes"

Yes	✓ No
Yes	✓ No
70%	√ 100%

WARRANT 3 - PEAK HOUR

If all three criteria are fulfilled or the plotted point lies above the appropriate line, then the warrant is satisfied.

Applicable:	✓ Yes No
Satisfied:	Yes ✓ No

Unusual condition justifying use of warrant:

Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided.

Peak Hour 100% Volume			
Time	Major Vol.	Minor Vol.	
AM	386	218	

Peak Hour 70% Volume			
Time	Major Vol.	Minor Vol.	

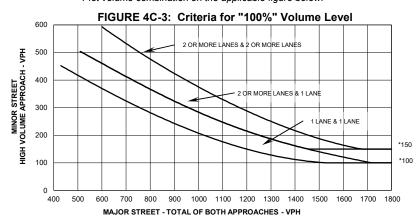
Criteria

Delay on Minor Approach *(vehicle-hours)				
Approach Lanes 1 2				
Delay Criteria*	4.0	5.0		
Delay*				
Fulfilled?:	?: Yes 🗸 No			

2. Volume on Minor Approach			
One-Direction *(vehicles per hour)			
Approach Lanes	1	2	
Volume Criteria*	100 150		
Volume*			
Fulfilled?:	∕es ✓	No	

3. Total Intersection Entering					
Volume *(vehicles	Volume *(vehicles per hour)				
No. of Approaches 3 4					
Volume Criteria*	teria* 650 800				
Volume*					
Fulfilled?: Yes V No					

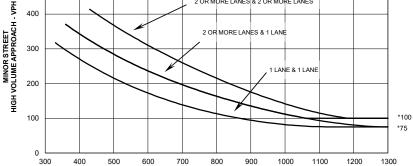
Plot volume combination on the applicable figure below.



* Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street)

2 OR MORE LANES & 2 OR MORE LANES 2 OR MORE LANES & 1 LANE



MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH * Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

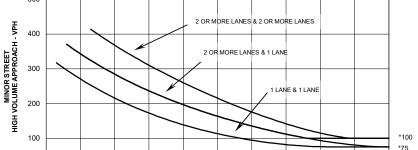
TRA	AFFIC SIGNAL WARRANT SUMMARY
City: Lir County: District:	Engineer: John P Diediker Date: January 10, 2020
Major Street: Minor Street:	M StLanes:2Major Approach Speed:2N 14th StLanes:2Minor Approach Speed:2
MUTCD Electronic Reference to Cha	pter 4: http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf
2. Is the intersection in a built-u	percentile of major street > 40 mph (70 km/h)? □ Yes ✓ No □ Yes ✓ No □ Yes ✓ No □ Yes ✓ No □ The street of the population of the populat
WARRANT 3 - PEAK HOUR If all three criteria are fulfilled on then the warrant is satisfied. Unusual condition justifying use of warrant:	the plotted point lies above the appropriate line, Satisfied: Plot volume combination on the applicable figure below. FIGURE 4C-3: Criteria for "100%" Volume Level
Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided. Peak Hour 100% Volume Time Major Vol. Minor Vol. PM 493 275 Peak Hour 70% Volume Time Major Vol. Minor Vol. Minor Vol.	2 OR MORE LANES & 2 OR MORE LANES 400 400 500 600 700 800 900 1100 1200 1300 1400 1500 1600 1700 1800
Criteria 1. Delay on Minor Approach *(vehicle-hours)	* Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane.
Approach Lanes 1 2 Delay Criteria* 4.0 5.0 Delay* Fulfilled?: Yes ✓ No	FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) 2 OR MORE LANES & 2 OR MORE LANES
One-Direction *(vehicles per hour) Approach Lanes 1 2 Volume Criteria* 100 150 Volume* Image: Comparison of the per hour) Image: Comparison of the per hour) Fulfilled?: Yes ✓ No	TI LANE & 1 LANE 2 OR MORE LANES & 2 OR MORE LANES 2 OR MORE LANES & 1 LANE 1 LANE & 1 LANE
3. Total Intersection Entering Volume *(vehicles per hour) No. of Approaches 3 4 Volume Criteria* 650 800 Volume* Fulfilled?: Yes ✓ No	*100 300 400 500 600 700 800 900 1000 1100 1200 1300 MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH * Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

Form 750-020-01 TRAFFIC ENGINEERING State of Florida Department of Transportation TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 16, 2020 District: Major Street: Major Approach Speed: Lanes: 30 N 14th St Minor Street: Lanes: Minor Approach Speed: 25 MUTCD Electronic Reference to Chapter 4: http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf **Volume Level Criteria** Yes ✓ No 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes 🗸 No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? 70% 🗸 100% "70%" volume level may be used if Question 1 or 2 above is answered "Yes" **WARRANT 3 - PEAK HOUR** ✓ Yes No Applicable: If all three criteria are fulfilled or the plotted point lies above the appropriate line, Yes V No then the warrant is satisfied. Satisfied: Plot volume combination on the applicable figure below. Unusual condition justifying use of warrant: FIGURE 4C-3: Criteria for "100%" Volume Level 600 2 OR MORE LANES & 2 OR MORE LANES 500 Record hour when criteria are fulfilled MINOR STREET HIGH VOLUME APPROACH - VPH and the corresponding delay or volume in boxes provided. 400 2 OR MORE LANES & 1 LANE Peak Hour 100% Volume 300 Major Vol. Minor Vol. Time 200 AM 1542 142 *150 *100 100 Peak Hour 70% Volume Major Vol. Minor Vol. 500 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 400 700 800 MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH Criteria * Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane. FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) 500

1. Delay on Minor Approach			
*(vehicle-hours)			
1	2		
4.0	5.0		
Fulfilled?: Yes V No			
	1 4.0		

2. Volume on Minor Approach				
One-Direction *(vehicles per hour)				
Approach Lanes 1 2				
Volume Criteria*	100	150		
Volume*				
Fulfilled?:	∕es ✓	No		

3. Total Intersection Entering				
Volume *(vehicles	per hou	ır)		
No. of Approaches 3 4				
Volume Criteria*	650	800		
Volume*	ume*			
Fulfilled?:	res ✓	No		



MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH * Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

600

0 300

1300

MITCD Electronic Reference to Chapter 4: http://mutod.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf Volume Level Criteria 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)?		TRAFFI	C SIGNA	L WARRA	ANT SUMMAR	RY	10/1
MUTCD Electronic Reference to Chapter 4: http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf Volume Level Criteria 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? 2. Is the intersection in a bullt-up area of an isolated community with a population < 10,000? "70%" volume level may be used if Question 1 or 2 above is answered "Yes" WARRANT 3 - PEAK HOUR If all three criteria are fulfilled or the plotted point lies above the appropriate line, then the warrant is satisfied. Unusual condition justifying use of warrant: Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided. Peak Hour 100% Volume Time Major Vol. Minor Vol. PM 1417 352 Peak Hour 70% Volume Time Major Vol. Minor Vol. Physical Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided. Criteria 1. Delay on Minor Approach (vehicle-hours) Approach Lanes 1 2 (Noume on Minor Approach One-Direction "Yeshicles per hour) Approach Lanes 1 2 (Noume on Minor Approach One-Direction "Yeshicles per hour) Approach Lanes 1 2 (Noume on Minor Approach One-Direction "Yeshicles per hour) Approach Lanes 1 2 (Noume on Minor Approach One-Direction "Yeshicles per hour) Approach Lanes 1 2 (Noume on Minor Approach One-Direction "Yeshicles per hour) Approach Lanes 1 2 (Noume on Minor Approach One-Direction "Yeshicles per hour) Approach Lanes 1 2 (Noume on Minor Approach One-Direction "Yeshicles per hour) Approach Lanes 1 2 (Noume on Minor Approach One-Direction "Yeshicles per hour) Approach Lanes 1 1 2 (Noume on Minor Approach One-Direction "Yeshicles per hour) Approach Lanes 1 1 2 (Noume on Minor Approach One-Direction "Yeshicles per hour) Approach Lanes 1 1 2 (Noume on Minor Approach One-Direction "Yeshicles per hour) Approach Lanes 1 1 2 (Noume on Minor Approach One-Direction "Yeshicles per hour) Approach Lanes 1 1 2 (Noume on Minor Approach One-Direction "Yeshicles per hour) Approach Lanes 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	County:	Lincoln					
Volume Level Criteria 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? "70%" volume level may be used if Question 1 or 2 above is answered "Yes" WARRANT 3 - PEAK HOUR If all three criteria are fulfilled or the plotted point lies above the appropriate line, Satisfied: Unusual condition justifying use of warrant: Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided. Peak Hour 100% Volume Time Major Vol. Minor Vol. PM 1417 352 Peak Hour 70% Volume Time Major Vol. Minor Vol. PM 1417 352 Peak Hour 70% Volume Time Major Vol. Minor Vol. PM 1417 352 Peak Hour 70% Volume Time Major Vol. Minor Vol. PM 1417 352 Peak Hour 70% Volume Time Major Vol. Minor Vol. PM 1417 352 Peak Hour 70% Volume Time Major Vol. Minor Vol. PM 1417 352 Peak Hour 70% Volume Time Major Vol. Minor Vol. PM 1417 352 Peak Hour 70% Volume Time Major Vol. Minor Vol. PM 1417 352 Peak Hour 70% Volume Time Major Vol. Minor Vol. PM 1417 352 Peak Hour 70% Volume Time Major Vol. Minor Vol. PM 1417 352 Peak Hour 70% Volume Time Major Vol. Minor Vol. PM 1417 352 Peak Hour 70% Volume Time Major Vol. Minor Vol. PM 1417 352 Peak Hour 70% Volume Time Major Vol. Minor Vol. PM 1417 352 Peak Hour 70% Volume Time Major Vol. Minor Vol. PM 1417 352 Peak Hour 70% Volume Time Major Vol. Minor Vol. PM 1417 352 Peak Hour 70% Volume Time Major Vol. Minor Vol. PM 1417 352 Peak Hour 70% Volume Time Major Vol. Minor Vol. PM 1417 352 Peak Hour 70% Volume Time Major Vol. Minor Vol. PM 1417 352 Peak Hour 70% Volume Creteria 1. Delay on Minor Approach (Vehicle-hours) Approach Lanes 1 1 2 Delay Criteria* 4.0 5.0 Delay 1 *Note: 150 vph applies as the lower threshold volume for a minor street approach with no o area lanes and 100 vph applies as the lower threshold volume for a minor street approach with no or area lanes and 100 vph applies as the lower th	-	N					
1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? Yes Volume level may be used if Question 1 or 2 above is answered "Yes" WARRANT 3 - PEAK HOUR If all three criteria are fulfilled or the plotted point lies above the appropriate line, Satisfied: Unusual condition justifying use of warrant: Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided. Peak Hour 100% Volume Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Peak Hour 100% Volume Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Peak Hour 70% Volume Time Major Vol. Minor Vol. Criteria 1. Delay on Minor Approach volume fireshold volume for a minor street approach with roor more lanes and 100 vph applies as the lower fireshold volume for a minor street approach with roor more lanes and 100 vph applies as the lower fireshold volume for a minor street approach with roor more lanes and 100 vph applies as the lower fireshold volume for a minor street approach with roor more lanes and 100 vph applies as the lower fireshold volume for a minor street approach with roor more lanes and 100 vph applies as the lower fireshold volume for a minor street approach with roor more lanes and 100 vph applies as the lower fireshold volume for a minor street approach with roor more lanes and 100 vph applies as	MUTCD Electronic Re	eference to Chapter 4:	http://r	nutcd.fhwa.dot.g	ov/pdfs/2009r1r2/part	t4.pdf	
If all three criteria are fulfilled or the plotted point lies above the appropriate line, Satisfied: Ves No Unusual condition justifying use of warrant: Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided. Peak Hour 100% Volume Time Major Vol. Minor Vol. PM 1417 352 Peak Hour 70% Volume Time Major Vol. Minor Vol. PM 1417 352 Peak Hour 70% Volume Time Major Vol. Minor Vol. PM 1417 352 Peak Hour 70% Volume Time Major Vol. Minor Vol. PM 1417 352 Figure 4C-4: Criteria for "100 to 100 1500 1600 1700 1800 1700 1	 Is the posted Is the intersec "70%" volume le 	speed or 85th-percen ction in a built-up area vel may be used if Qu	of an isolated	I community with	a population < 10,00	00?	0
Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided. Peak Hour 100% Volume Time Major Vol. Minor Vol. PM 1417 352 Peak Hour 70% Volume Time Major Vol. Minor Vol. Poak Hour 70% Volume Time Major Vol. Minor Vol. Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane. FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) Polelay* Volume on Minor Approach One-Direction "(vehicles per hour) Approach Lanes 1 2 Volume on Minor Approach One-Direction "(vehicles per hour) Approach Lanes 1 2 Volume Criteria* 100 150 Volume* Fulfilled?: Yes No	If all three criterion then the warrant Unusual condition ju	a are fulfilled or the p is satisfied. stifying use of		Plot volume co	ombination on the applic	Satisfied: Yes No	
Time Major Vol. Minor Vol. Criteria 1. Delay on Minor Approach	and the corresponding in boxes pro	delay or volume vided. % Volume	UME APPROACH - VPH			R MORE LANES & LANE	
1. Delay on Minor Approach *(vehicle-hours) Approach Lanes 1 2 Delay Criteria* 4.0 5.0 Delay* Fulfilled?: Yes No 2. Volume on Minor Approach One-Direction *(vehicles per hour) Approach Lanes 1 2 Volume Criteria* 100 150 Volume* Fulfilled?: Yes No 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane. 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane. 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane. 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane. 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane. 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane.	Peak Hour 70%	6 Volume	0				*150 *100
Fulfilled?: Yes Voume on Minor Approach One-Direction *(vehicles per hour) Approach Lanes 1 2 Volume Criteria* 100 150 Volume* Fulfilled?: Yes V No	1. Delay on Mino *(vehicle-he Approach Lanes Delay Criteria*	r Approach burs) 1 2	100 vph ap	FIGURE 4	shold volume threshold for a n	minor street approach with one lane. W" Volume Level	d
100	2. Volume on Mine One-Direction *(vehi Approach Lanes Volume Criteria*	or Approach cles per hour)	MINOR STREET VOLUME APPROACH - VPH			NES & 1 LANE	
3. Total Intersection Entering Volume *(vehicles per hour) No. of Approaches 3 4 Volume Criteria* 650 800 Volume* * Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and	3. Total Intersecti Volume *(vehicle No. of Approaches Volume Criteria*	on Entering s per hour) 3 4 650 800	0 300	MAJOR STRE	ET - TOTAL OF BOTH APPROA	CHES - VPH	

TRA	AFFIC SIGNAL WARRANT SUMMARY
City: Line County: District:	Engineer: John P Diediker Date: January 16, 2020
Major Street: Minor Street:	K StLanes:4Major Approach Speed:30N 14th StLanes:2Minor Approach Speed:25
MUTCD Electronic Reference to Chap	pter 4: http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf
2. Is the intersection in a built-up	percentile of major street > 40 mph (70 km/h)? □ Yes ✓ No □ parea of an isolated community with a population < 10,000? □ Yes ✓ No □ d if Question 1 or 2 above is answered "Yes" □ 70% ✓ 100%
_	r the plotted point lies above the appropriate line, Satisfied: Yes No Plot volume combination on the applicable figure below. FIGURE 4C-3: Criteria for "100%" Volume Level
Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided.	2 OR MORE LANES & 2 OR MORE LANES 2 OR MORE LANES & 1 LANE 2 OR MORE LANES & 1 LANE
Peak Hour 100% Volume Time Major Vol. Minor Vol. AM 1632 137 Peak Hour 70% Volume Time Major Vol. Minor Vol.	# 500
	400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH
Criteria 1. Delay on Minor Approach *(vehicle-hours) Approach Lanes 1 2 Delay Criteria* 4.0 5.0 Delay* Yes ✓ No	* Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane. FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street)
2. Volume on Minor Approach One-Direction *(vehicles per hour) Approach Lanes 1 2 Volume Criteria* 100 150 Volume* Fulfilled?: Yes ✓ No 3. Total Intersection Entering	TIANE & TLANE 2 OR MORE LANES & 2 OR MORE LANES 2 OR MORE LANES 1 LANE & 1 LANE 1100 *100
Volume *(vehicles per hour) No. of Approaches 3 4 Volume Criteria* 650 800 Volume* Fulfilled?: Yes V No	300 400 500 600 700 800 900 1000 1100 1200 1300 MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH * Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

	ohn P Diediker nuary 16, 2020
N 14th St Lanes: 2 Mino	r Approach Speed: 30 r Approach Speed: 25
centile of major street > 40 mph (70 km/h)? area of an isolated community with a population < 10,000? f Question 1 or 2 above is answered "Yes"	☐ Yes ☑ No ☐ Yes ☑ No ☐ 70% ☑ 100%
Plot volume combination on the applicable figure FIGURE 4C-3: Criteria for "100%" Volume Lanes & 2 OR MORE LANES & 2 OR	Yes No e below. olume Level 1 LANE & 1 LANE 1 LANE & 1 LANE 1400 1500 1600 1700 1800 //PH
FIGURE 4C-4: Criteria for "70%" Volu (Community Less than 10,000 population or above 70 km/hr (40 2 OR MORE LANES & 2 OR MORE 2 OR MORE LANES & 1 LANE 3 OR MORE LANES & 1 LANE	approach with one lane. Ime Level 0 mph) on Major Street)
	K St N 14th St Lanes: 4 Lanes: 2 Mino If 4: http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf Identified of major street > 40 mph (70 km/h)? Identified of major street 4

City:	Lincoln		Engineer:	John P Diediker	
County:	Lincom		Date:	January 16, 2020	
District:					
Major Street:	N St		Lanes: 2	Major Approach Speed:	2
Minor Street:	Centennial N	Mall	Lanes: 2	Minor Approach Speed:	2
			-	_	
MUTCD Electronic Reference to	Chapter 4: <u>h</u>	ttp://mutcd.fhwa.dot.go	ov/pdfs/2009r1r2/part	<u>4.pdf</u>	
olume Level Criteria					
1. Is the posted speed or 85				Yes _✓ No	
2. Is the intersection in a bu	ilt-up area of an isc	plated community with	a population < 10,00	00?	
"70%" volume level may be	used if Question 1	or 2 above is answere	ed "Yes"	70% 🔽 100%	6
VARRANT 3 - PEAK HOUR	!				
If all three criteria are fulfilled	_	int lies above the ann	ronriate line A	Applicable: Yes No	
then the warrant is satisfied.	i <u>or</u> the plotted po	int lies above the appi	opriate line,	Satisfied:	
Unusual condition justifying use o	f	Plot volume co	mbination on the applic	able figure below.	
warrant:		FIGURE 4	IC-3: Criteria for "1	100%" Volume Level	
	6	00]
Record hour when criteria are fulfill	ad ₹ 5	00	2 OR MORE LANES &	2 OR MORE LANES	
and the corresponding delay or volu	me \(\frac{1}{2}\)		\searrow		
in boxes provided.	P PG 4	00			1
Peak Hour 100% Volume	MINOR STREET MINOR STREET 4 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		20	R MORE LANES & 1 LANE	
Time Major Vol. Minor	Mer 3	00		1 LANE & 1 LANE	
AM 451 117		00			
	<u> </u>				*150
Peak Hour 70% Volume	= 10	00			*100
Time Major Vol. Minor	Vol.	0			
		400 500 600 700 8	300 900 1000 1100 12		800
Cuitouio			EET - TOTAL OF BOTH APPR		
Criteria 1. Delay on Minor Approach				et approach with two or more lanes and ninor street approach with one lane.	
*(vehicle-hours)					
approach Lanes 1	2	FIGURE 40	C-4: Criteria for "70	%" Volume Level	
elay Criteria* 4.0 5	5.0	(Community Less than		70 km/hr (40 mph) on Major Street)	
elay*	500				
ulfilled?: Yes V No	<u> </u>		2 OR MORE LANE	S & 2 OR MORE LANES	
2. Volume on Minor Approach	=====================================				
One-Direction *(vehicles per hou	ir) Soe		2 OR MORE LA	NES & 1 LANÉ	
pproach Lanes 1	MINOR STREET #GH VOLUME APPROACH - VPH 200 200 200				
	50 R H			1 LANE & 1 LANE	
'olume*	≥ d 200			otag	
ulfilled?: Yes ✓ No	<u> </u>			$\downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$	
3. Total Intersection Entering	100				*100 *75
Volume *(vehicles per hour)					'3
lo. of Approaches 3	4 0		00 700 800 9	900 1000 1100 1200 13	 800
o. or Approaches		300 400 500 6			

Form 750-020-01 TRAFFIC ENGINEERING State of Florida Department of Transportation TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 16, 2020 District: Major Street: Major Approach Speed: Lanes: 25 **Centennial Mall** Minor Street: Lanes: Minor Approach Speed: 25 MUTCD Electronic Reference to Chapter 4: http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf **Volume Level Criteria** Yes ✓ No 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes 🗸 No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? 70% 🗸 100% "70%" volume level may be used if Question 1 or 2 above is answered "Yes" **WARRANT 3 - PEAK HOUR** ✓ Yes No Applicable: If all three criteria are fulfilled $\underline{\mathbf{or}}$ the plotted point lies above the appropriate line, Yes V No then the warrant is satisfied. Satisfied: Unusual condition justifying use of Plot volume combination on the applicable figure below. warrant: FIGURE 4C-3: Criteria for "100%" Volume Level 600 2 OR MORE LANES & 2 OR MORE LANES 500 Record hour when criteria are fulfilled MINOR STREET HIGH VOLUME APPROACH - VPH and the corresponding delay or volume in boxes provided. 400 2 OR MORE LANES & 1 LANE Peak Hour 100% Volume 300 Major Vol. Minor Vol. 1 LANE & 1 LANE Time 200 РМ 487 121 *150 *100 100 Peak Hour 70% Volume Major Vol. Minor Vol. 500 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 400 700 800 MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH Criteria * Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 1. Delay on Minor Approach 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane. *(vehicle-hours) Approach Lanes FIGURE 4C-4: Criteria for "70%" Volume Level Delay Criteria* 4 0 5.0 (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) 500 Delay* Fulfilled?: Yes ✓ No 2 OR MORE LANES & 2 OR MORE LANES MINOR STREET HIGH VOLUME APPROACH - VPH 400 2. Volume on Minor Approach 2 OR MORE LANES & 1 LANE One-Direction *(vehicles per hour) 300 Approach Lanes Volume Criteria* 100 150 LANE & 1 LANE Volume* 200 Fulfilled?: Yes *100 100 3. Total Intersection Entering *75 Volume *(vehicles per hour) 0 No. of Approaches 4 300 600 1300 650 800 Volume Criteria*

* Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

Volume*

Fulfilled?:

Yes

✓ No

City: Liı	ncoln	Enginee	r: John P Diediker	
County:		Date		
District:				
Major Street:	M St	Lanes:	3 Major Approach Speed:	2
Minor Street:	Centennial Mall	Lanes:	2 Minor Approach Speed:	2
MUTCD Electronic Reference to Cha	apter 4: http://r	nutcd.fhwa.dot.gov/pdfs/2009r1	<u>°2/part4.pdf</u>	
olume Level Criteria				
1. Is the posted speed or 85th-	percentile of major st	reet > 40 mph (70 km/h)?	Yes V No	
2. Is the intersection in a built-u	ıp area of an isolated	community with a population <	∶ 10,000?	
"70%" volume level may be use	od if Ougstion 1 or 2	ahovo is answored "Ves"	70% 🗸 100%	/ 2
70% volume level may be use	ed if Question 1 of 2 a	above is allswelled Tes	70% 🗸 100%	U
VARRANT 3 - PEAK HOUR				
-			Applicable: Yes No	
If all three criteria are fulfilled on then the warrant is satisfied.	<u>r</u> tne plottea point lie	s above the appropriate line,	Satisfied: Yes Vo	
Unusual condition justifying use of		Plot volume combination on the		
warrant:			for "100%" Volume Level	
	600	TIGGRE 40-0: Griteria	To 100% Volume Level	7
Decard have when antenia are fulfilled	₹ 500	2 OR MORE	LANES & 2 OR MORE LANES	
Record hour when criteria are fulfilled and the corresponding delay or volume	× .			
in boxes provided.	P 400 ←			-
Peak Hour 100% Volume	ا ا ا الله		2 OR MORE LANES & 1 LANE	
Time Major Vol. Minor Vol	ME AS 800		1 LANE & 1 LANE	1
AM 370 83				-
	MINOR STREET MINOR STREET MIN			*150
Peak Hour 70% Volume	 			*10
Time Major Vol. Minor Vol				
	400	500 600 700 800 900 1000 1 MAJOR STREET - TOTAL OF BOT		800
Criteria	* Note: 150 vph an		nor street approach with two or more lanes and	
1. Delay on Minor Approach	= ' ' '		ld for a minor street approach with one lane.	
*(vehicle-hours)	<u> </u>			
approach Lanes 1 2	4	FIGURE 4C-4: Criteria fo	or "70%" Volume Level or above 70 km/hr (40 mph) on Major Street)	
Delay Criteria* 4.0 5.0 Delay*	500	(Community Less than 10,000 population (above 70 kili/ili (40 liipii) Oli Majoi Street)	1
fulfilled?: Yes V No	_	2 OR M	DRE LANES & 2 OR MORE LANES	
	⋣	2000	THE EARLES & 2 ON WORLD EARLES	
2. Volume on Minor Approach	ACH.	2 OR	MORE LANES & 1 LANE	
One-Direction *(vehicles per hour) Approach Lanes 1 2	300 PR			-
Volume Criteria* 100 150	MEA		.1 LANE & 1 LANE	
'olume*	200 PI			
ulfilled?: Yes V No	MINOR STREET HIGH VOLUME APPROACH - VPH 700 700 700			
2. Total Interesting Futuring	型			*100
Total Intersection Entering Volume *(vehicles per hour)				*75
	╣╵╶]
lo. of Approaches 3 4	300	400 500 600 700 80	00 900 1000 1100 1200 13	300

	TRAF	FIC SIGNA	AL WARF	RANT SUMMA	ARY		10/1
City: County: District:	Lincol	n		Engineer: _ Date: _	John P D January 1		
Major Street: Minor Street:	C	M St entennial Mall		Lanes: 3	Major Approa	-	25 25
MUTCD Electronic	Reference to Chapter	4: <u>http://</u>	mutcd.fhwa.dc	ot.gov/pdfs/2009r1r2/p	part4.pdf		
2. Is the inter-	ed speed or 85th-perc section in a built-up ar level may be used if	ea of an isolated	d community v	vith a population < 10	,000?	Yes	
	ant:	600	Plot volume	e combination on the app	Satisfied:	Yes No Yes No Level	
Peak Hour 7 Peak Hour 7	ng delay or volume provided. 00% Volume jor Vol. Minor Vol. 482 92	MINOR STREET HIGH VOLUME APPROACH - VE	•				*150
1. Delay on Mi *(vehicle Approach Lanes Delay Criteria*	ll l		pplies as the lower pplies as the lower	STREET - TOTAL OF BOTH AI threshold volume for a minor s threshold volume threshold for E 4C-4: Criteria for "	treet approach with two or not a minor street approach with two or not approach with the two or not approach with two or not approach with two or not approach with the two or not approach with two or n	more lanes and ith one lane.	
Delay* Fulfilled?: 2. Volume on N One-Direction *(v) Approach Lanes Volume Criteria* Volume* Fulfilled?:	• • • • • • • • • • • • • • • • • • • •	MINOR STREET MINOR STREET 000 000 000 000			ANES & 2 OR MORE LANES E LANES & 1 LANE 1 LANE & 1 LANE		
3. Total Interse Volume *(vehice No. of Approaches Volume Criteria* Volume* Fulfilled?:	- II		pplies as the lower	600 700 800 TREET - TOTAL OF BOTH APPR threshold volume for a minor soreshold volume threshold for a	treet approach with two or i	1200 1300 more lanes and	*100 *75

County: District: Major Street: NSt Lanes: 3 Major Approach Speed: 2 Minor Street: NSt Lanes: 3 Major Approach Speed: 2 Minor Street: NSt Lanes: 3 Major Approach Speed: 2 Minor Approach Speed: 2 Minor Street: NSt Lanes: 3 Major Approach Speed: 2 Minor Approach Speed: 2 Minor Street: NSt Lanes: 3 Major Approach Speed: 2 Minor Approach Speed: 2 Minor Approach Speed: 2 Minor Street: NSt Lanes: 3 Major Approach Speed: 2 Minor Approach Speed: 3 Major Approach Speed: 2 Minor Approach Speed: 2 Minor Approach Speed: 3 Major Approach Speed: 2 Minor Approach Speed: 3 Major Approach Speed: 2 Minor Approach Speed: 3 Major Appr	City:	Lincoln		Engineer:	John P Diediker	
District: Major Street: Major Street: NSt NSt Lanes: 3 Major Approach Speed: 2 Minor Approach Speed: 2 Minor Approach Speed: 2 Minor Street: NSt NSt Lanes: 3 Major Approach Speed: 2 Minor Approach Minor		LIIICOIII	_			
Minor Street: N St Lanes: 2 Minor Approach Speed: 2 MUTCD Electronic Reference to Chapter 4: http://mutcd.fhwa.dol.gov/pdfs/2009r1/2/partd.pdf // Mourne Level Criteria 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? Yes No "70%" volume level may be used if Question 1 or 2 above is answered "Yes" // MARRANT 3 - PEAK HOUR // Applicable: Yes No Satisfied: Yes No Seles Hour 100% Volume Time Major Vol. Minor Vol. // Peak Hour 70% Volume Time Major Vol. Minor Vol. // Peak Hour 70% Volume Time Major Vol. Minor Vol. // Peak Hour 70% Volume Time Major Vol. Minor Vol. // Criteria 1. Delay on Minor Approach (yehicle-bours) *Note: 150 yph applies as the lever treated volume for a minor street approach with one lane. // You with the or more lanes and 100 yph applies as the lever treated volume for a minor street approach with one lane. // You with the street of the proposal of the lever treated volume for a minor street approach with one lane. // You with the street of the lever treated volume for a minor street approach with one lane. // You with a population < 10.000 population or above 70 lenth (40 mph) on Major Street) // You with the street of the lever treated volume for a minor street approach with one lane. // You with the lever intention of the lanes at IAME // You with the street of the lanes at IAME // You with the street of the lanes at IAME // You with the street of the lanes at IAME // You with the street of the lanes at IAME // You with the street of the lanes at IAME // You with the street of the lanes at IAME // You with the street of the lanes at IAME // You with the street of the lanes at IAME // You with the street of the lanes at IAME // You with the street of the lanes at IAME // You with the street of the lanes at IAME // You with the street of the lanes at IAME // You with the street of the				Bute.	Junuary 10, 2020	
Minor Street:	Maior Street:	S 16th St		Lanes: 3	Maior Approach Speed:	2
### Applicable:					_	2
1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)?						
1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? "70%" volume level may be used if Question 1 or 2 above is answered "Yes" VARRANT 3 - PEAK HOUR If all three criteria are fulfilled or the plotted point lies above the appropriate line, Satisfied: Unusual condition justifying use of warrant: Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided. Peak Hour 100% Volume Time Major Vol. Minor Vol. AM 427 184 Peak Hour 70% Volume Time Major Vol. Minor Vol. Time Major Vol. Minor Vol. AM 427 184 Peak Hour 70% Volume Time Major Vol. Minor Vol. Peak Hour 70% volume Time Major Vol. Minor Vol. Time Major Vol. Minor Vol. Criteria 1. Delay on Minor Approach "(vehicle-hours) "Proach Lanes 1 2 2 Pelay Criteria* 4.0 5.0 Pelay Criteria* 100 150 Quime Criteria* 100	MUTCD Electronic Reference to	Chapter 4: <u>htt</u>	p://mutcd.fhwa.dot.go	v/pdfs/2009r1r2/part	<u>4.pdf</u>	
2. Is the intersection in a built-up area of an isolated community with a population < 10,000? Yes	olume Level Criteria					
## Note: 150 yph applies as the lower threshold volume threshold for a minor street agrosch with one lane. ## Note: 150 yph applies as the lower threshold volume threshold for a minor street agrosch with one lane. ## Note: 150 yph applies as the lower threshold volume threshold for a minor street agrosch with one lane. ## FIGURE 4C-3: Criteria for "100%" Volume Level ## Note: 150 yph applies as the lower threshold volume threshold for a minor street agrosch with one lane. ## FIGURE 4C-4: Criteria for "70%" Volume Level ## Note: 150 yph applies as the lower threshold volume threshold for a minor street agrosch with one lane. ## FIGURE 4C-4: Criteria for "70%" Volume Level ## Note: 150 yph applies as the lower threshold volume threshold for a minor street agrosch with one lane. ## FIGURE 4C-4: Criteria for "70%" Volume Level ## Note: 150 yph applies as the lower threshold volume threshold for a minor street agrosch with one lane. ## FIGURE 4C-4: Criteria for "70%" Volume Level ## Note: 150 yph applies as the lower threshold volume threshold for a minor street agrosch with one lane. ## FIGURE 4C-4: Criteria for "70%" Volume Level ## Note: 150 yph applies as the lower threshold volume threshold for a minor street agrosch with one lane. ## FIGURE 4C-4: Criteria for "70%" Volume Level ## Note: 150 yph applies as the lower threshold volume threshold for a minor street agrosch with one lane. ## FIGURE 4C-4: Criteria for "70%" Volume Level ## Note: 150 yph applies as the lower threshold volume threshold for a minor street agrosch with one lane. ## Note: 150 yph applies as the lower threshold volume threshold volume threshold for a minor street agrosch with one lane. ## Note: 150 yph applies as the lower threshold volume threshold for a minor street agrosch with one lane. ## Note: 150 yph applies as the lower threshold volume threshold for a minor street agrosch with one lane. ## Note: 150 yph applies as the lower threshold volume threshold for a minor street agrosch with one lane. ## Note: 150 yph	1. Is the posted speed or 8	5th-percentile of maj	or street > 40 mph (70) km/h)?	Yes ✓ No	
WARRANT 3 - PEAK HOUR If all three criteria are fulfilled or the plotted point lies above the appropriate line, Satisfied: Yes No Satisfi	2. Is the intersection in a bu	ıilt-up area of an isol	ated community with a	a population < 10,00	00?	
If all three criteria are fulfilled or the plotted point lies above the appropriate line, Applicable: Ves No Satisfied: Yes No No Note that the warrant is satisfied. Unusual condition justifying use of warrant: Peak Hour forward of the plotted point lies above the appropriate line, Satisfied: Yes No No Note of No	"70%" volume level may be	used if Question 1 c	r 2 above is answere	d "Yes"	70% 🔽 100%	6
than the warrant is satisfied. Unusual condition justifying use of warrant: Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided. Peak Hour 100% Volume Time Major Vol. Minor Vol. AM 427 184 Peak Hour 70% Volume Time Major Vol. Minor Vol. AM 427 184 Peak Hour 70% Volume Time Major Vol. Minor Vol. AM 427 184 Peak Hour 70% Volume Time Major Vol. Minor Vol. AM 427 184 Peak Hour 70% Volume Time Major Vol. Minor Vol. AM 427 184 Peak Hour 70% Volume Time Major Vol. Minor Vol. AM 427 184 Peak Hour 70% Volume Time Major Vol. Minor Vol. AM 427 184 Peak Hour 70% Volume Time Major Vol. Minor Vol. AM 427 184 Peak Hour 70% Volume Time Major Vol. Minor Vol. AM 427 184 Peak Hour 70% Volume Time Major Vol. Minor Vol. AM 427 184 Peak Hour 70% Volume Time Major Vol. Minor Vol. AM 427 184 Peak Hour 70% Volume Time Major Vol. Minor Vol. AM 427 184 Peak Hour 70% Volume Time Major Vol. Minor Vol. AM 427 184 Peak Hour 70% Volume Time Major Vol. Minor Vol. AM 427 184 Peak Hour 70% Volume Time Major Vol. Minor Vol. AM 427 184 Peak Hour 70% Volume Time Major Vol. Minor Vol. AM 427 184 *Note: 150 vph applies as the lower threshold volume for a minor street approach with one lane. *Gentleman And the corresponding delay or volume level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) Time Major Vol. Minor Vol. AM 427 184 *Note: 150 vph applies as the lower threshold volume for a minor street approach with one more lanes and 100 vph applies as the lower threshold volume for a minor street approach with one lane. *FIGURE 4C-3: Criteria for "100%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) *Time Major Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) *Time Major Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) *Time Major Volume Level (Community Less than 10,000 popu	VARRANT 3 - PEAK HOUF	<u>R</u>				
Peak Hour 100% Volume Time Major Vol. Minor Vol. AM 427 184 Peak Hour 70% Volume Time Major Vol. Minor Vol. AM 427 184 Peak Hour 100% Tol. AM 427 184 Peak Hour 100			nt lies above the appro	opriate line,	Applicable.	
Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided. Peak Hour 100% Volume Time Major Vol. Minor Vol. AM 427 184 Peak Hour 70% Volume Time Major Vol. Minor Vol. AM 427 184 Peak Hour 70% Volume Time Major Vol. Minor Vol. AM 427 184 Peak Hour 70% Volume Time Major Vol. Minor Vol. **Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane. **FIGURE 4C-3: Criteria for "100%" Volume Level **Criteria 1. Delay on Minor Approach **(vehicle-hours) **Proproach Lanes 1 2 2 or More Lanes and 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane. **FIGURE 4C-3: Criteria for "100%" Volume Level **(Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) **India delay or volume or a minor street approach with one lane. **FIGURE 4C-4: Criteria for "70%" Volume Level **(Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) **India delay or volume or a minor street approach with one lane. **India delay or volume or a minor street approach with one lane. **India delay or volume or a minor street approach with one lane. **India delay or volume or a minor street approach with one lane. **India delay or volume or a minor street approach with one lane. **India delay or volume or a minor street approach with one lane. **India delay or volume or a minor street approach with one lane. **India delay or volume or a minor street approach with one lane. **India delay or volume or a minor street approach with one lane. **India delay or volume or a minor street approach with or or or lane. **India			Districtions			
Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided. Peak Hour 100% Volume Time Major Vol. Minor Vol. AM 427 184 Peak Hour 70% Volume Time Major Vol. Minor Vol. AM 427 184 Peak Hour 70% Volume Time Major Vol. Minor Vol. AM 427 184 Peak Hour 70% Volume Time Major Vol. Minor Vol. AM 427 184 Peak Hour 70% Volume Time Major Vol. Minor Aproach ('vehicle-hours) *Note: 150 yph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 yph applies as the lower threshold volume threshold for a minor street approach with one lane. *FIGURE 4C-4: Criteria for "100%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) *Note: 150 yph applies as the lower threshold volume threshold for a minor street approach with one lane. *FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) *Note: 150 yph applies as the lower threshold volume threshold for a minor street approach with one lane. *FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) **Note: 150 yph applies as the lower threshold volume threshold for a minor street approach with one lane. **IGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) **Note: 150 yph applies as the lower threshold volume threshold for a minor street approach with one lane. **IGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) **Note: 150 yph applies as the lower threshold volume threshold for a minor street approach with one lane. **IGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) **Note: 150 yph applies as the lower threshold volume threshold volume threshold volume threshold volume		DT .			-	
Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided. Peak Hour 100% Volume Time Major Vol. Minor Vol. AM 427 184 Peak Hour 70% Volume Time Major Vol. Minor Vol. AM 427 184 Peak Hour 70% Volume Time Major Vol. Minor Vol. Major Vol. Minor Vol. Major Vol. Minor Vol. Major Vol. Minor Vol. Major Street - TOTAL OF BOTH APPROACHES - VPH * Note: 150 Vph applies as the lower threshold volume for a minor streat approach with two or more lanes and 100 Vph applies as the lower threshold volume for a minor streat approach with one lane. *FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) **Volume on Minor Approach One-Direction '(vehicles per hour) Journe Criteria* 1. Delay on Minor Approach One-Direction '(vehicles per hour) Journe Criteria* 2. Volume on Minor Approach One-Direction '(vehicles per hour) Journe Criteria* 1. Delay on Minor Approach 1. Liane 1 Lane 2. Volume on Minor Approach One-Direction '(vehicles per hour) Journe Criteria* 2. Volume on Minor Approach One-Direction '(vehicles per hour) Journe Criteria* 3. Total Intersection Entering Volume '(vehicles per hour) Journe Criteria* 3. Total Intersection Entering Volume '(vehicles per hour) Journe Criteria* 3. Total Intersection Entering Volume '(vehicles per hour) Journe Criteria* 3. Total Intersection Entering Volume '(vehicles per hour) Journe Criteria* 3. Total Intersection Entering Volume '(vehicles per hour) Journe Criteria* 3. Total Intersection Entering Volume '(vehicles per hour) Journe Criteria*		600	FIGURE 4	C-3: Criteria for "1	00%" Volume Level	7
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Time Major Vol. Minor Vol. Time Major Vol. Minor Vol.		ime				
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Time Major Vol. Minor Vol. Time Major Vol. Minor Vol.	Time Major Vol. Minor	Vol.			1 LANE & 1 LANE	
Time Major Vol. Minor Vol. Time Major Vol. Minor Vol.	AM 427 18	4	•			*15
Time Major Vol. Minor Vol. Volume on Minor Approach Vehicles per hour	Peak Hour 70% Volume	<u> </u>				*10
Criteria 1. Delay on Minor Approach *(vehicle-hours) *Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor street approach with one lane. FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) Velay* Uffilled?: Yes No 2. Volume on Minor Approach One-Direction *(vehicles per hour) pproach Lanes 1 2 folume Criteria* 100 150 folume* Uffilled?: Yes No 3. Total Intersection Entering Volume *(vehicles per hour) Volume *(vehicles per h		Vol				
*Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane. *Note: 150 vph applies as the lower threshold volume threshold for a minor street approach with one lane. *In Delay on Minor Approach *(vehicle-hours) *(v	iniga (an an a			00 900 1000 1100 12	00 1300 1400 1500 1600 1700 1	800 J
1. Delay on Minor Approach *(vehicle-hours) pproach Lanes 1 2 lelay Criteria* 4.0 5.0 lelay* ulfilled?: Yes Volume on Minor Approach One-Direction *(vehicles per hour) pproach Lanes 1 2 lolume Criteria* 100 150 lolume* ulfilled?: Yes Volume vehicles per hour) 100 of Approaches 3 4 100 of Appr						
(vehicle-hours) Approach Lanes 1 2 Alelay Criteria 4.0 5.0 Alelay* Indiffiled?: Yes No 2. Volume on Minor Approach One-Direction *(vehicles per hour) Approach Lanes 1 2 Aloume Criteria* 100 150 Aloume * Volume * Volume *(vehicles per hour) Indifiled?: Yes No 3. Total Intersection Entering Volume *(vehicles per hour) No. of Approaches 3 4 Aloume *			• •		• •	
FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) 2. Volume on Minor Approach One-Direction *(vehicles per hour) Approach Lanes		100 v	ph applies as the lower thresh	nold volume threshold for a n	ninor street approach with one lane.	
Delay Criteria* 4.0 5.0 Delay* Ulfilled?: Yes Volume on Minor Approach One-Direction *(vehicles per hour) Approach Lanes 1 2 Yolume Criteria* 100 150 Olume* Ulfilled?: Yes Volume *(vehicles per hour) Olume *(vehicles per hour) Oloume *(vehicles per hou	<u> </u>	2	FIGURE 46		0/113/-1 1 1	
Delay* Ulfilled?: Yes Volume on Minor Approach One-Direction *(vehicles per hour) pproach Lanes 1 2 folume Criteria* 100 150 folume* Ulfilled?: Yes Volume *(vehicles per hour) Io. of Approaches 3 4 Id. of Approaches 3 4 I						
2. Volume on Minor Approach One-Direction *(vehicles per hour) pproach Lanes 1 2 folume Criteria* 100 150 folume* ulfilled?: Yes No 3. Total Intersection Entering Volume *(vehicles per hour) lo. of Approaches 3 4 lo. of Approaches 3 4 lo. of Approaches 3 4	,					1
2. Volume on Minor Approach One-Direction *(vehicles per hour) pproach Lanes 1 2 folume Criteria* 100 150 folume* ulfilled?: Yes V No 3. Total Intersection Entering Volume *(vehicles per hour) lo. of Approaches 3 4 (Above Oriteria* 650 890	ulfilled?: Yes V	, T		2 OR MORE LANE	S & 2 OR MORE LANES	
3. Total Intersection Entering Volume *(vehicles per hour) lo. of Approaches 3 4 (Above Ordering to the content of the conte		<u>■</u> 400				
3. Total Intersection Entering Volume *(vehicles per hour) lo. of Approaches 3 4 (Above Ordering to the content of the conte		ACH ET		2 OR MORE LA	NES & 1 LANE	
3. Total Intersection Entering Volume *(vehicles per hour) lo. of Approaches 3 4 (Above Ordering to the content of the conte		300				
3. Total Intersection Entering Volume *(vehicles per hour) lo. of Approaches 3 4 (Above Ordering to the content of the conte	''				1 LANE & 1 LANE	
3. Total Intersection Entering Volume *(vehicles per hour) lo. of Approaches 3 4 (Above Ordering to the content of the conte		Min 200		\rightarrow		
3. Total Intersection Entering Volume *(vehicles per hour) lo. of Approaches 3 4 (Almost Oritoris* 650 900) } }				
Volume *(vehicles per hour) lo. of Approaches 3 4 (the Official * 650 900 900 1000 1100 1200 1300 1000		100				*100
lo. of Approaches 3 4 300 400 500 600 700 800 900 1000 1100 1200 1300	•					*75
300 400 500 600 700 800 900 1000 1100 1200 1300						
MAJOR STREET - TOTAL OF ROTH APPROACHES - VPH		· 30	0 400 500 60	00 700 800 9	900 1000 1100 1200 13	800

Form 750-020-01 TRAFFIC ENGINEERING State of Florida Department of Transportation TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 16, 2020 District: Major Street: S 16th St Major Approach Speed: Lanes: 25 N St Minor Street: Lanes: Minor Approach Speed: 25 http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf MUTCD Electronic Reference to Chapter 4: **Volume Level Criteria** Yes ✓ No 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes 🗸 No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? 70% 🗸 100% "70%" volume level may be used if Question 1 or 2 above is answered "Yes" **WARRANT 3 - PEAK HOUR** ✓ Yes No Applicable: If all three criteria are fulfilled or the plotted point lies above the appropriate line, Yes V No then the warrant is satisfied. Satisfied: Plot volume combination on the applicable figure below. Unusual condition justifying use of warrant: FIGURE 4C-3: Criteria for "100%" Volume Level

Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided.

Peak Hour 100% Volume					
Time	Major Vol.	Minor Vol.			
PM	722	376			

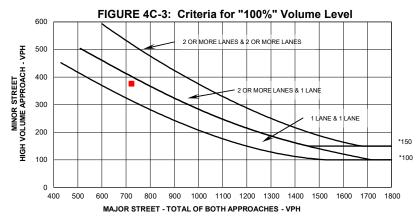
Peak Hour 70% Volume					
Time	Major Vol.	Minor Vol.			

Criteria

Delay on Minor Approach				
*(vehicle-hours)				
Approach Lanes 1 2				
Delay Criteria*	4.0	5.0		
Delay*				
Fulfilled?: Yes V No				

2. Volume on Minor Approach					
One-Direction *(vehic	les per	hour)			
Approach Lanes 1 2					
Volume Criteria*	100	150			
Volume*					
Fulfilled?:	∕es ✓	No			

Total Intersection Entering Volume *(vehicles per hour)				
No. of Approaches 3 4				
Volume Criteria* 650 800				
Volume*				
Fulfilled?: Yes Vo				



* Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

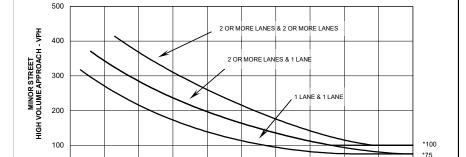


FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street)

*Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

600

300

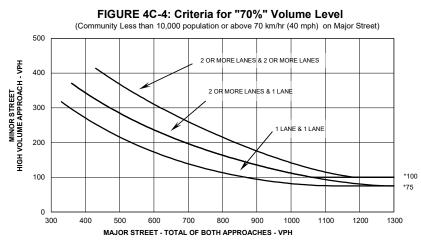
1300

Form 750-020-01 TRAFFIC ENGINEERING State of Florida Department of Transportation TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 16, 2020 District: Major Street: S 16th St Major Approach Speed: Lanes: 35 M St Minor Street: Lanes: Minor Approach Speed: 25 MUTCD Electronic Reference to Chapter 4: http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf **Volume Level Criteria** Yes ✓ No 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes 🗸 No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? 70% 🗸 100% "70%" volume level may be used if Question 1 or 2 above is answered "Yes" **WARRANT 3 - PEAK HOUR** ✓ Yes No Applicable: If all three criteria are fulfilled or the plotted point lies above the appropriate line, Yes V No then the warrant is satisfied. Satisfied: Plot volume combination on the applicable figure below. Unusual condition justifying use of warrant: FIGURE 4C-3: Criteria for "100%" Volume Level 600 2 OR MORE LANES & 2 OR MORE LANES 500 Record hour when criteria are fulfilled MINOR STREET HIGH VOLUME APPROACH - VPH and the corresponding delay or volume in boxes provided. 400 2 OR MORE LANES & 1 LANE Peak Hour 100% Volume 300 Major Vol. Minor Vol. Time 200 AM 394 184 *150 *100 100 Peak Hour 70% Volume Major Vol. | Minor Vol. 500 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 400 700 800 MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH Criteria * Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

1. Delay on Minor Approach					
*(vehicle-ho	*(vehicle-hours)				
Approach Lanes 1 2					
Delay Criteria*	4.0	5.0			
Delay*					
Fulfilled?: Yes V No					

2. Volume on Minor Approach				
One-Direction *(vehicles per hour)				
Approach Lanes 1 2				
Volume Criteria* 100 150				
Volume*				
Fulfilled?: Yes ✓ No				

3. Total Intersection Entering				
Volume *(vehicles per hour)				
No. of Approaches 3 4				
Volume Criteria*	650	800		
Volume*				
Fulfilled?: Yes Vo				



* Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 16, 2020 District: Major Street: S 16th St Major Approach Speed: Lanes: 35 M St Minor Street: Lanes: Minor Approach Speed: 25 MUTCD Electronic Reference to Chapter 4: http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf **Volume Level Criteria** Yes ✓ No 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes 🗸 No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? 70% 🗸 100% "70%" volume level may be used if Question 1 or 2 above is answered "Yes" **WARRANT 3 - PEAK HOUR** ✓ Yes No Applicable: If all three criteria are fulfilled $\underline{\mathbf{or}}$ the plotted point lies above the appropriate line, Yes V No then the warrant is satisfied. Satisfied: Unusual condition justifying use of Plot volume combination on the applicable figure below. warrant: FIGURE 4C-3: Criteria for "100%" Volume Level 600 2 OR MORE LANES & 2 OR MORE LANES 500 Record hour when criteria are fulfilled MINOR STREET HIGH VOLUME APPROACH - VPH and the corresponding delay or volume in boxes provided. 400 2 OR MORE LANES & 1 LANE Peak Hour 100% Volume 300 Major Vol. Minor Vol. 1 LANE & 1 LANE Time РМ 777 376 *150 *100 100 Peak Hour 70% Volume Major Vol. Minor Vol. 500 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 400 700 800 MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH Criteria * Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 1. Delay on Minor Approach 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane. *(vehicle-hours) Approach Lanes FIGURE 4C-4: Criteria for "70%" Volume Level Delay Criteria* 4 0 5.0 (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) 500 Delay* Yes 🗸 No Fulfilled?: 2 OR MORE LANES & 2 OR MORE LANES MINOR STREET HIGH VOLUME APPROACH - VPH 400 2. Volume on Minor Approach 2 OR MORE LANES & 1 LANE One-Direction *(vehicles per hour) 300 Approach Lanes Volume Criteria* 100 150 LANE & 1 LANE Volume* 200 Fulfilled?: Yes *100 100 3. Total Intersection Entering *75 Volume *(vehicles per hour) 0 No. of Approaches 4 300 600 1300 650 800 Volume Criteria* MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH Volume*

* Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

Fulfilled?:

Yes

✓ No

City:	Lince	oln		Engineer:	John P Diediker	
County:				Date:	January 16, 2020	
District:			1			
Major Street:		N 17th St		Lanes: 4	Major Approach Speed:	2
Minor Street:		N St		Lanes: 2	Minor Approach Speed:	
_	Defenses to Object	- n 4. http://	//www.tood floors alot are		_	
MUTCD Electronic F	·	er 4: <u>nup:</u>	/mutcd.inwa.dot.go	v/pdfs/2009r1r2/part	<u>.4.pai</u>	
/olume Level Crite					V V N-	
		_	street > 40 mph (70	•	Yes _✓ No	
2. Is the inters	ection in a built-up	area of an isolat	ed community with a	a population < 10,00	OO? Yes ✓ No	
"70%" volume	level may be used	if Question 1 or :	2 above is answered	d "Yes"	70% 🗸 100%	%
WARRANT 3 - P	EAK HOUR					
If all three crite	ria are fulfilled or t	he plotted point	lies above the appro	onriate line A	Applicable: Yes No	
then the warra		ne plotted point	ies above the appre	priate inte,	Satisfied: Yes Vo	
Unusual condition	justifying use of		Plot volume con	nbination on the applic	able figure below.	
warra			FIGURE 4	C-3: Criteria for "1	100%" Volume Level	
		600	TIOURE 4	3-0. Griteria ioi	Volume Level	7
		₹ 500		2 OR MORE LANES &	2 OR MORE LANES	
Record hour when ca and the corresponding		MINOR STREET HIGH VOLUME APPROACH - VPH 100 - 10				
in boxes pr		₽ 400				
		PRO/		20	R MORE LANES & 1 LANE	
Peak Hour 10	0% Volume	R SI 300	\rightarrow			-
Time Majo	or Vol. Minor Vol.	ONIN			1 LANE & 1 LANE	
AM 14	488 79	200				*1
Peak Hour 70	1% Volume	호 = 100				*1
	or Vol. Minor Vol.					
Time Iwaje	or voi. Ivillior voi.	0 L 40	0 500 600 700 80	00 900 1000 1100 12		 1800
		40		ET - TOTAL OF BOTH APPR		1000
Cri	teria	* Note: 150 vph	applies as the lower thresh	old volume for a minor stree	et approach with two or more lanes and	
1. Delay on Min	or Approach	100 vph	applies as the lower thresh	old volume threshold for a n	minor street approach with one lane.	
*(vehicle-	hours)					
Approach Lanes	1 2			-4: Criteria for "70		
Delay Criteria*	4.0 5.0	500	(Community Less than	10,000 population or above	70 km/hr (40 mph) on Major Street)	_
Delay*						
fulfilled?:	Yes ✓ No	₩ 400 L		2 OR MORE LANE	S & 2 OR MORE LANES	
2. Volume on Mi	nor Approach	- H				
One-Direction *(ve		ROAC	$\backslash \backslash \backslash \backslash $	2 OR MORE LA	NES & 1 LANE	
Approach Lanes	1 2	APPR 300				1
/olume Criteria*	100 150	UME			1 LANE & 1 LANE	
/olume*		¥ 70 200 —			\swarrow	
fulfilled?:	Yes ✓ No	MINOR STREET 300 500 600 600 600 600 600 600 600 600 6		**	$\downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$	
2 Total Interes	tion Entering	100				*1
3. Total Intersec	les per hour)					*7
volume *(venic		1	1 1 1	1 1		1
Volume ^(venic	3 4	300	400 500 60	00 700 800 9		

TRAFFIC SIGNAL WARRANT SUMMARY					
City: Linc County: District:	Engineer: John P Diediker Date: January 16, 2020				
Major Street: Minor Street:	N 17th StLanes:4Major Approach Speed:25N StLanes:2Minor Approach Speed:25				
MUTCD Electronic Reference to Chapt	oter 4: http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf				
2. Is the intersection in a built-up	ercentile of major street > 40 mph (70 km/h)? Department of an isolated community with a population < 10,000? The information of the image of the				
WARRANT 3 - PEAK HOUR If all three criteria are fulfilled or then the warrant is satisfied. Unusual condition justifying use of warrant:	the plotted point lies above the appropriate line, Satisfied: Plot volume combination on the applicable figure below.				
Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided. Peak Hour 100% Volume Time Major Vol. Minor Vol. PM 1391 227 Peak Hour 70% Volume Time Major Vol. Minor Vol.	FIGURE 4C-3: Criteria for "100%" Volume Level 2 OR MORE LANES & 2 OR MORE LANES 1 LANE 1 LANE & 1 LANE 1				
Criteria 1. Delay on Minor Approach *(vehicle-hours) Approach Lanes 1 2 Delay Criteria* 4.0 5.0 Delay* Fulfilled?: Yes ✓ No 2. Volume on Minor Approach One-Direction *(vehicles per hour) Approach Lanes 1 2 Volume Criteria* 100 150 Volume* Fulfilled?: Yes ✓ No 3. Total Intersection Entering Volume *(vehicles per hour) No. of Approaches 3 4	*Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane. FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street) 2 OR MORE LANES & 2 OR MORE LANES 2 OR MORE LANES & 1 LANE 100 100 1100 1100 1200 1300				
Volume Criteria* 650 800 Volume* Fulfilled?: Yes ✓ No	*Note: 100 vph applies as the lower threshold volume threshold for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.				

Form 750-020-01 TRAFFIC ENGINEERING State of Florida Department of Transportation TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 16, 2020 District: Major Street: S 17th St Major Approach Speed: Lanes: 25 M St Minor Street: Lanes: Minor Approach Speed: 25 http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf MUTCD Electronic Reference to Chapter 4: **Volume Level Criteria** Yes ✓ No 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes 🗸 No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? 70% 🗸 100% "70%" volume level may be used if Question 1 or 2 above is answered "Yes" **WARRANT 3 - PEAK HOUR** ✓ Yes No Applicable: If all three criteria are fulfilled or the plotted point lies above the appropriate line, Yes V No then the warrant is satisfied. Satisfied:

then the warrant is satisfied.

Unusual condition justifying use of warrant:

Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided.

Peak Hour 100% Volume				
Time Major Vol. Minor Vo				
AM	1414	77		

Peak Hour 70% Volume				
Time Major Vol. Minor Vol.				

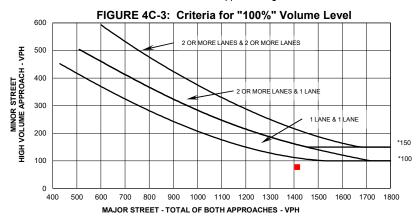
Criteria

1. Delay on Minor Approach				
*(vehicle-hours)				
Approach Lanes 1 2				
Delay Criteria* 4.0 5.0				
Delay*				
Fulfilled?: Yes V No				

2. Volume on Minor Approach				
One-Direction *(vehicles per hour)				
Approach Lanes 1 2				
Volume Criteria* 100 150				
Volume*				
Fulfilled?: Yes ✓ No				

Total Intersection Entering Volume *(vehicles per hour)				
No. of Approaches 3 4				
Volume Criteria*	650	800		
Volume*				
Fulfilled?: Yes Vo				

Plot volume combination on the applicable figure below.



* Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

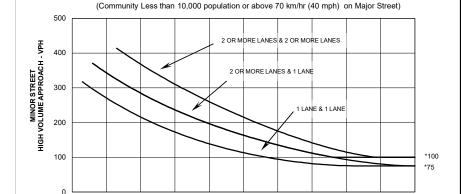


FIGURE 4C-4: Criteria for "70%" Volume Level

* Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

600

300

1300

Form 750-020-01 TRAFFIC ENGINEERING State of Florida Department of Transportation TRAFFIC SIGNAL WARRANT SUMMARY City: Lincoln Engineer: John P Diediker County: Date: January 16, 2020 District: Major Street: S 17th St Major Approach Speed: Lanes: 25 M St Minor Street: Lanes: Minor Approach Speed: 25 http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/part4.pdf MUTCD Electronic Reference to Chapter 4: **Volume Level Criteria** Yes ✓ No 1. Is the posted speed or 85th-percentile of major street > 40 mph (70 km/h)? Yes 🗸 No 2. Is the intersection in a built-up area of an isolated community with a population < 10,000? 70% 🗸 100% "70%" volume level may be used if Question 1 or 2 above is answered "Yes" **WARRANT 3 - PEAK HOUR** ✓ Yes No Applicable: If all three criteria are fulfilled or the plotted point lies above the appropriate line, Yes V No then the warrant is satisfied. Satisfied: Plot volume combination on the applicable figure below. Unusual condition justifying use of warrant: FIGURE 4C-3: Criteria for "100%" Volume Level 600 2 OR MORE LANES & 2 OR MORE LANES 500 Record hour when criteria are fulfilled and the corresponding delay or volume in boxes provided. 400 2 OR MORE LANES & 1 LANE

Peak Hour 100% Volume				
Time Major Vol. Minor Vol.				
PM 963 227				

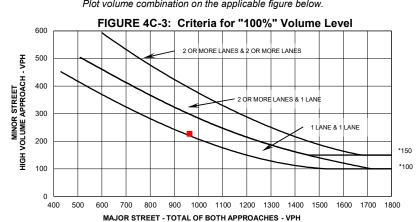
Peak Hour 70% Volume				
Time Major Vol. Minor Vol.				

Criteria

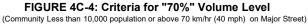
1. Delay on Minor Approach				
*(vehicle-hours)				
Approach Lanes 1 2				
Delay Criteria*	4.0	5.0		
Delay*				
Fulfilled?: Yes V No				

2. Volume on Minor Approach			
One-Direction *(vehicles per hour)			
Approach Lanes	1	2	
Volume Criteria*	100	150	
Volume*			
Fulfilled?: Yes V No			

Total Intersection Entering Volume *(vehicles per hour)			
No. of Approaches		3	4
Volume Criteria*		650	800
Volume*			
Fulfilled?: Yes Vo			



* Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane.



* Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.