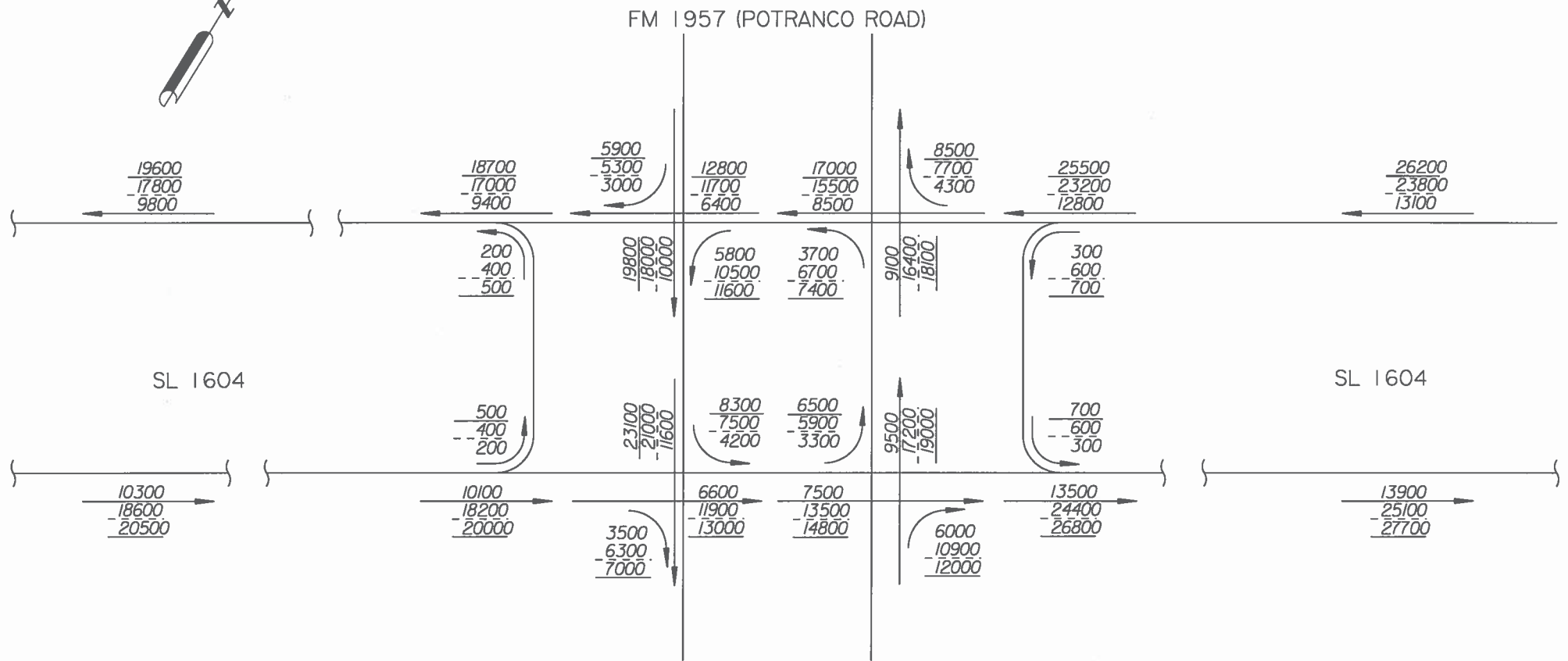


**TEXAS DEPARTMENT OF TRANSPORTATION**  
**TECHNICAL PROVISIONS**  
**FOR**  
**LOOP 1604 WESTERN EXTENSION**  
**DESIGN-BUILD PROJECT**

**ATTACHMENT 8-1**  
**TRAFFIC DATA**

**JUNE 4, 2013**

EXISTING



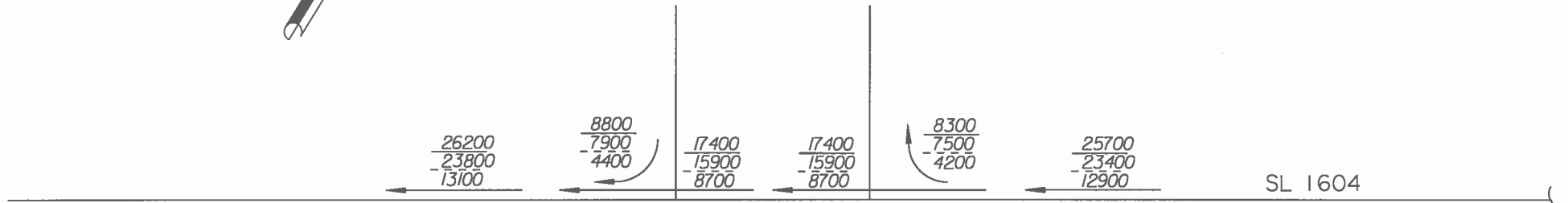
LEGEND  
1000 - 2013 ADT  
1000 - 2033 ADT  
1000 - 2043 ADT

2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

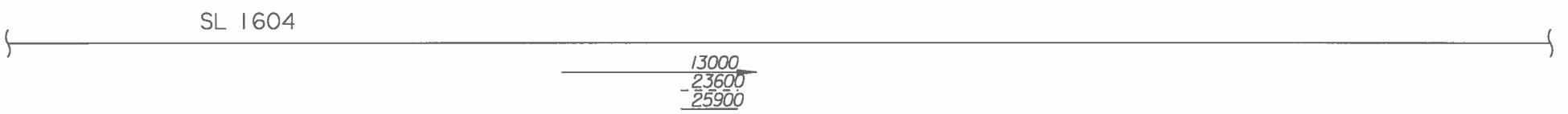
TRANSPORTATION PLANNING AND PROGRAMMING DIVISION  
FEBRUARY 1, 2013

EXISTING

WESTCREEK OAKS DRIVE



SL 1604

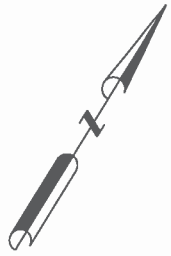


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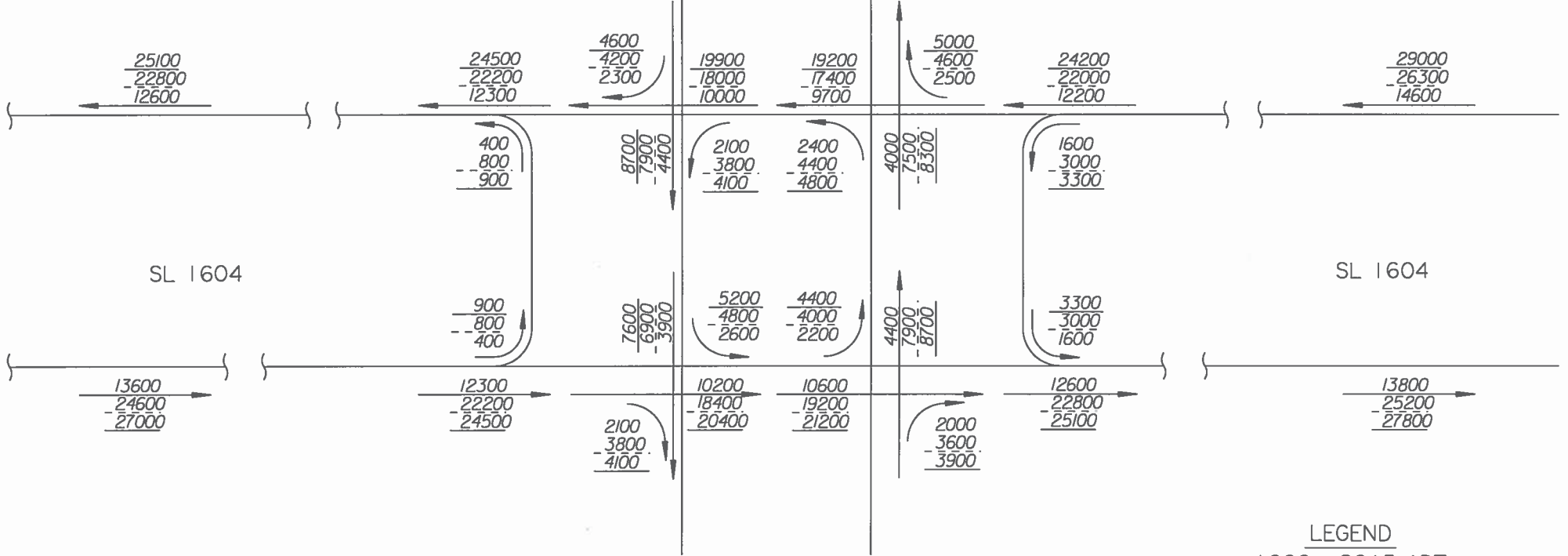
2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION  
FEBRUARY 1, 2013

EXISTING



MILITARY DRIVE WEST



LEGEND

- 1000 - 2013 ADT
- 1000 - 2033 ADT
- 1000 - 2043 ADT

2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION  
FEBRUARY 1, 2013

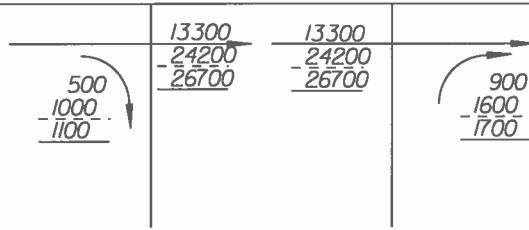


EXISTING

$$\begin{array}{r} 29000 \\ - 26300 \\ \hline 14600 \end{array}$$

SL 1604

SL 1604



KILMARNOCH LANE

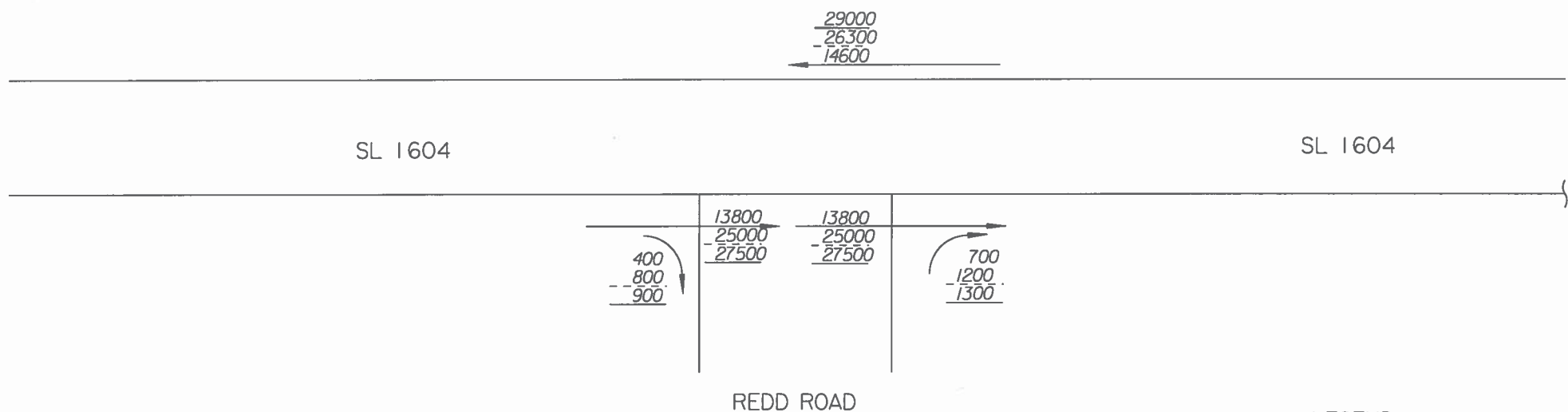
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2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG  
 SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION  
 FEBRUARY 1, 2013



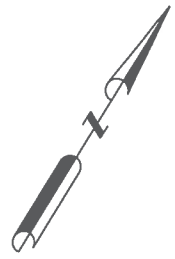
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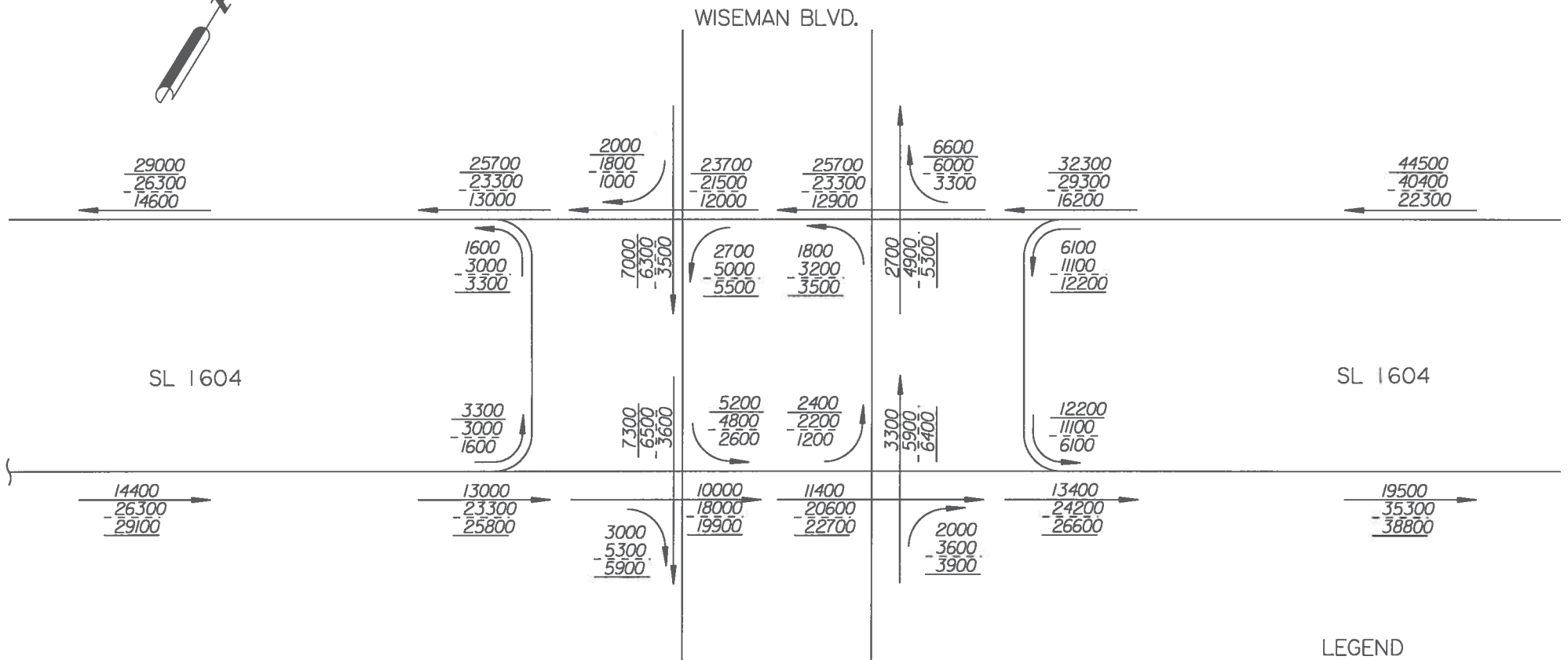
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 1000 - 2043 ADT

2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION  
 FEBRUARY 1, 2013



EXISTING



LEGEND  
 1000 - 2013 ADT  
 1000 - 2033 ADT  
 1000 - 2043 ADT

2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION  
 FEBRUARY 1, 2013



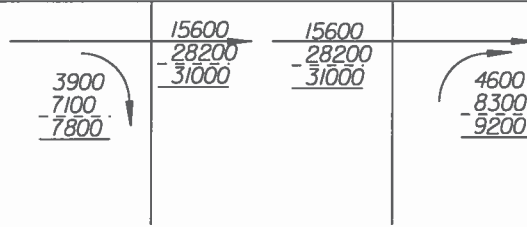
EXISTING



$$\begin{array}{r} 44500 \\ - 40400 \\ \hline 22300 \end{array}$$

SL 1604

SL 1604



NORTH ELLISON DRIVE

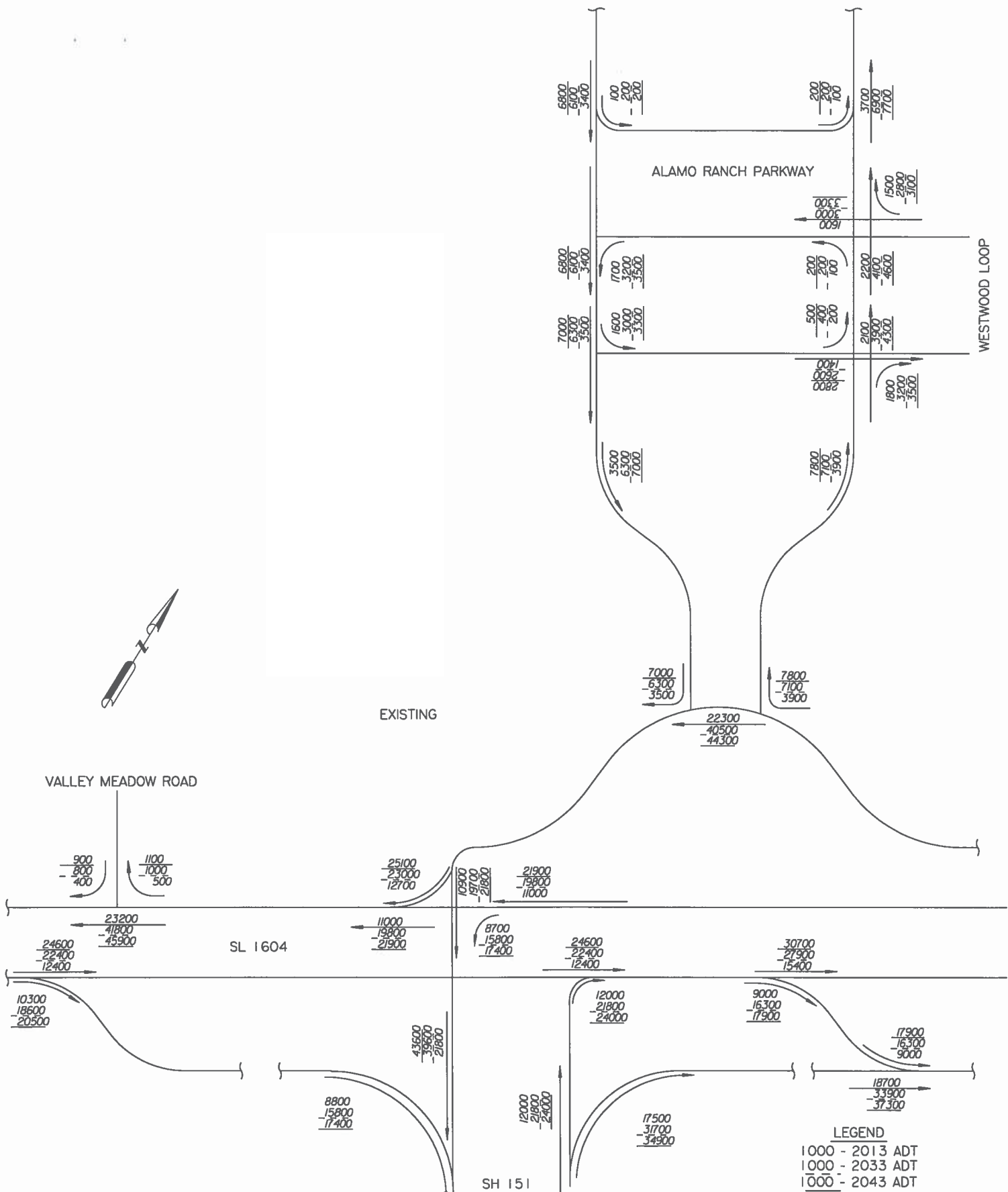
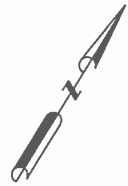
LEGEND

- 1000 - 2013 ADT
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- 1000 - 2043 ADT

2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

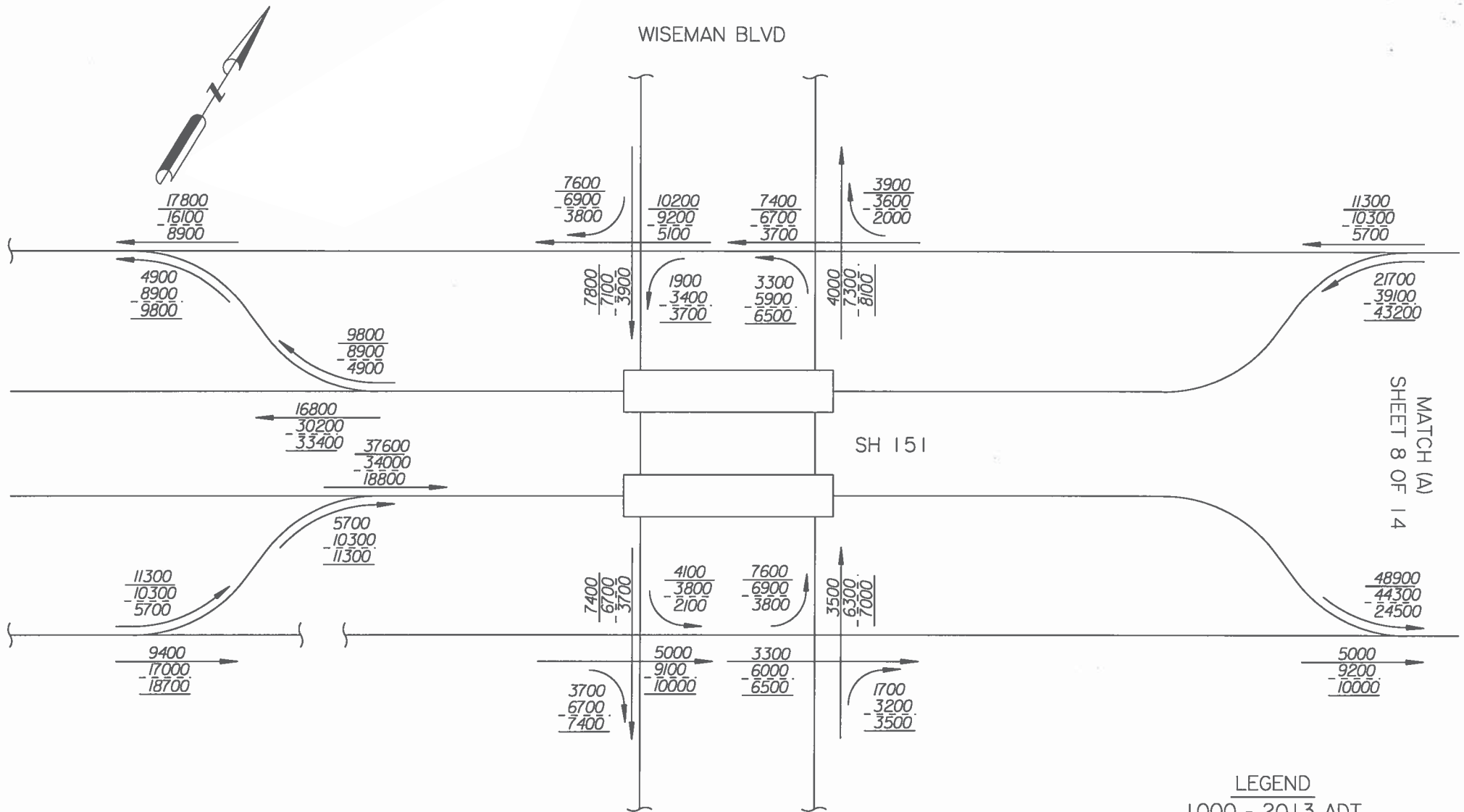
TRANSPORTATION PLANNING AND PROGRAMMING DIVISION  
FEBRUARY 1, 2013





2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION  
FEBRUARY 1, 2013

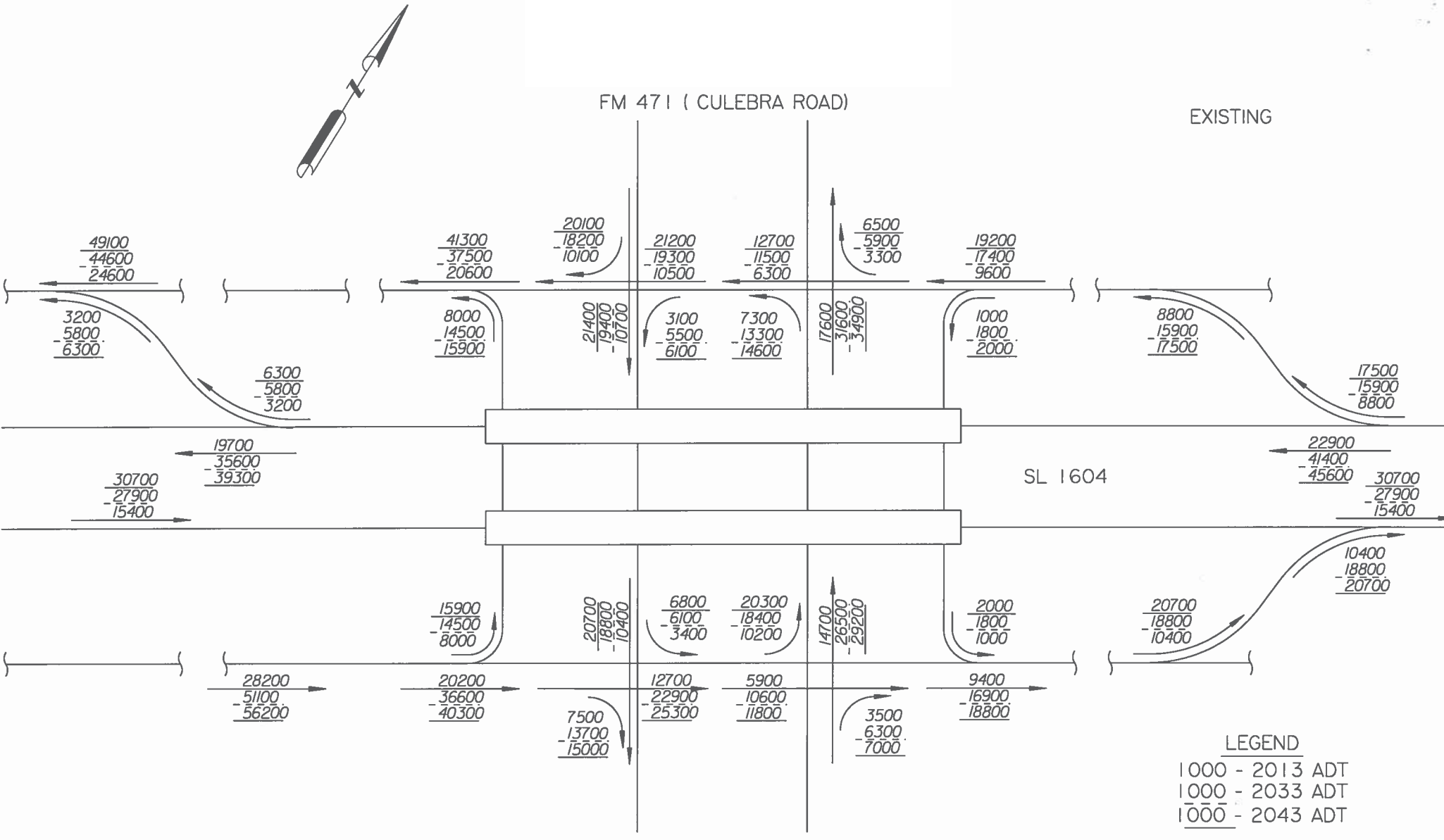


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2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16

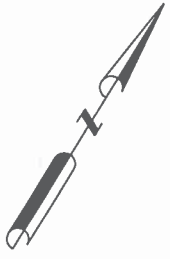
TRANSPORTATION PLANNING AND PROGRAMMING DIVISION  
 FEBRUARY 1, 2013

SHEET 8 OF 14



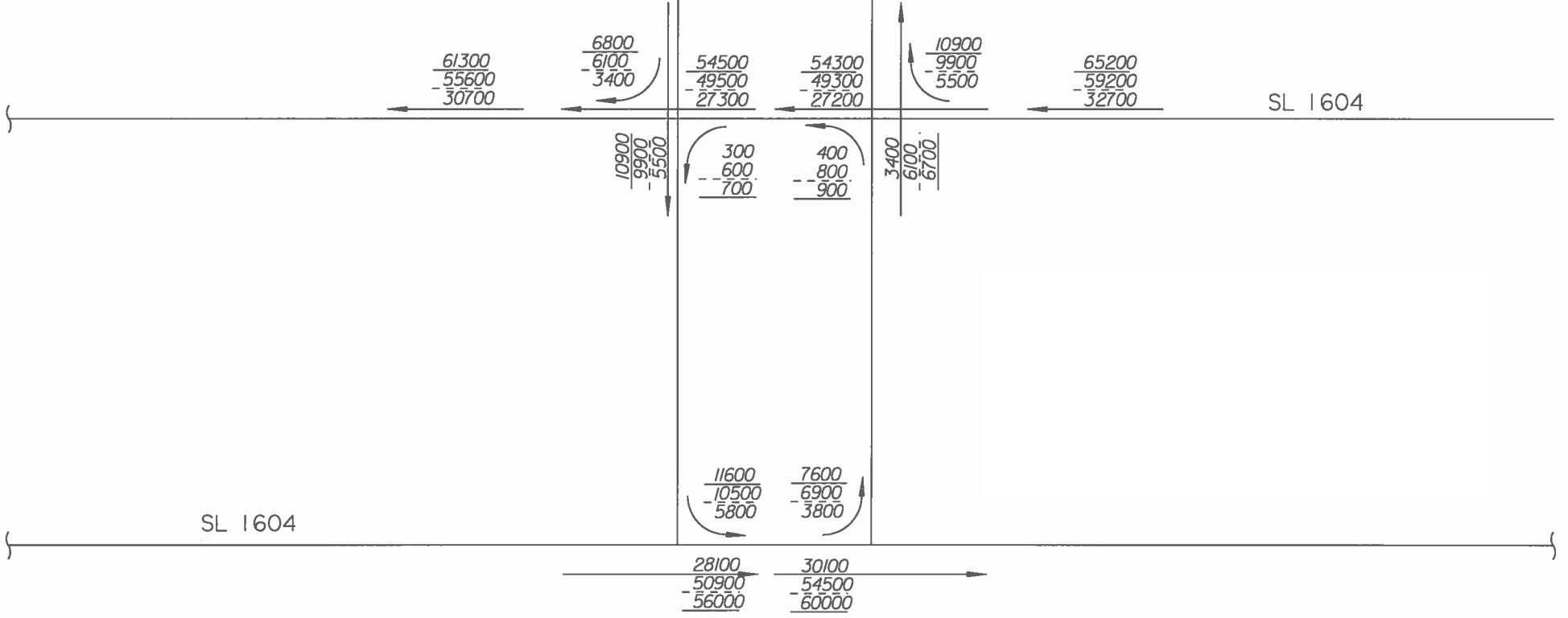
2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION  
 DECEMBER 12, 2012



SHAENFIELD ROAD

EXISTING

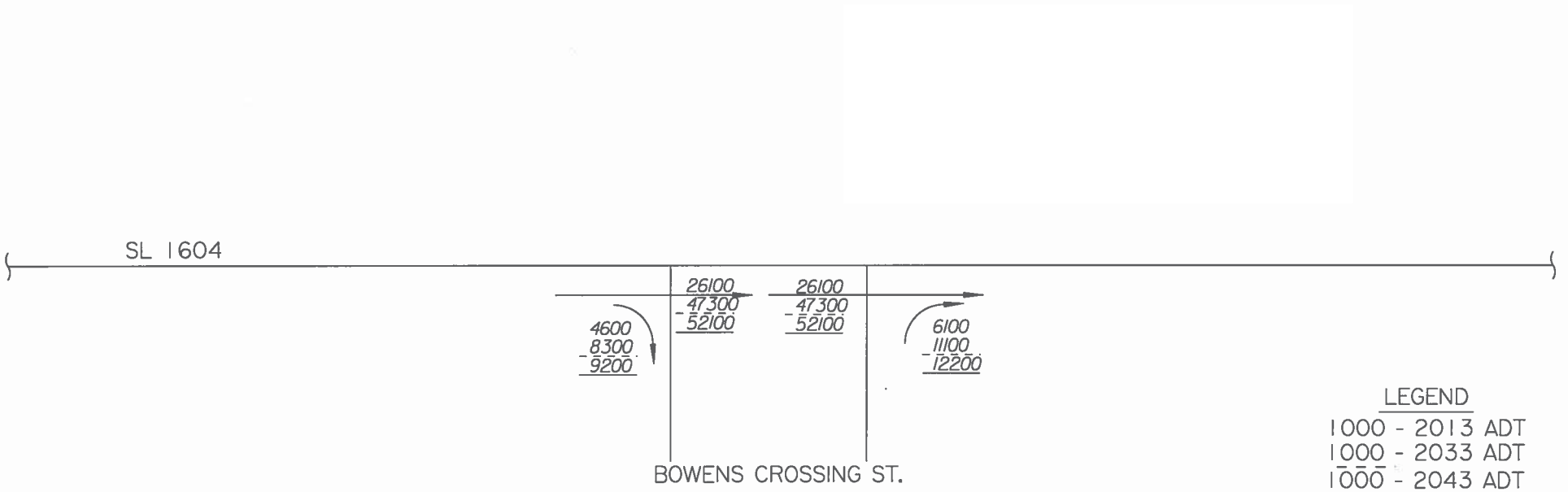
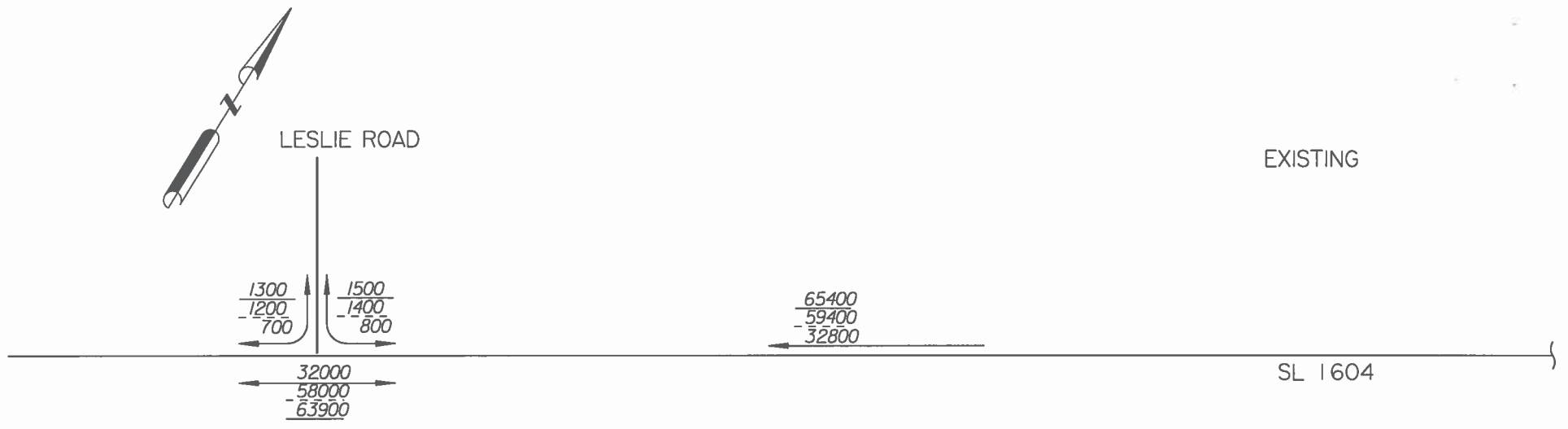


LEGEND

- 1000 - 2013 ADT
- 1000 - 2033 ADT
- 1000 - 2043 ADT

2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION  
FEBRUARY 1, 2013

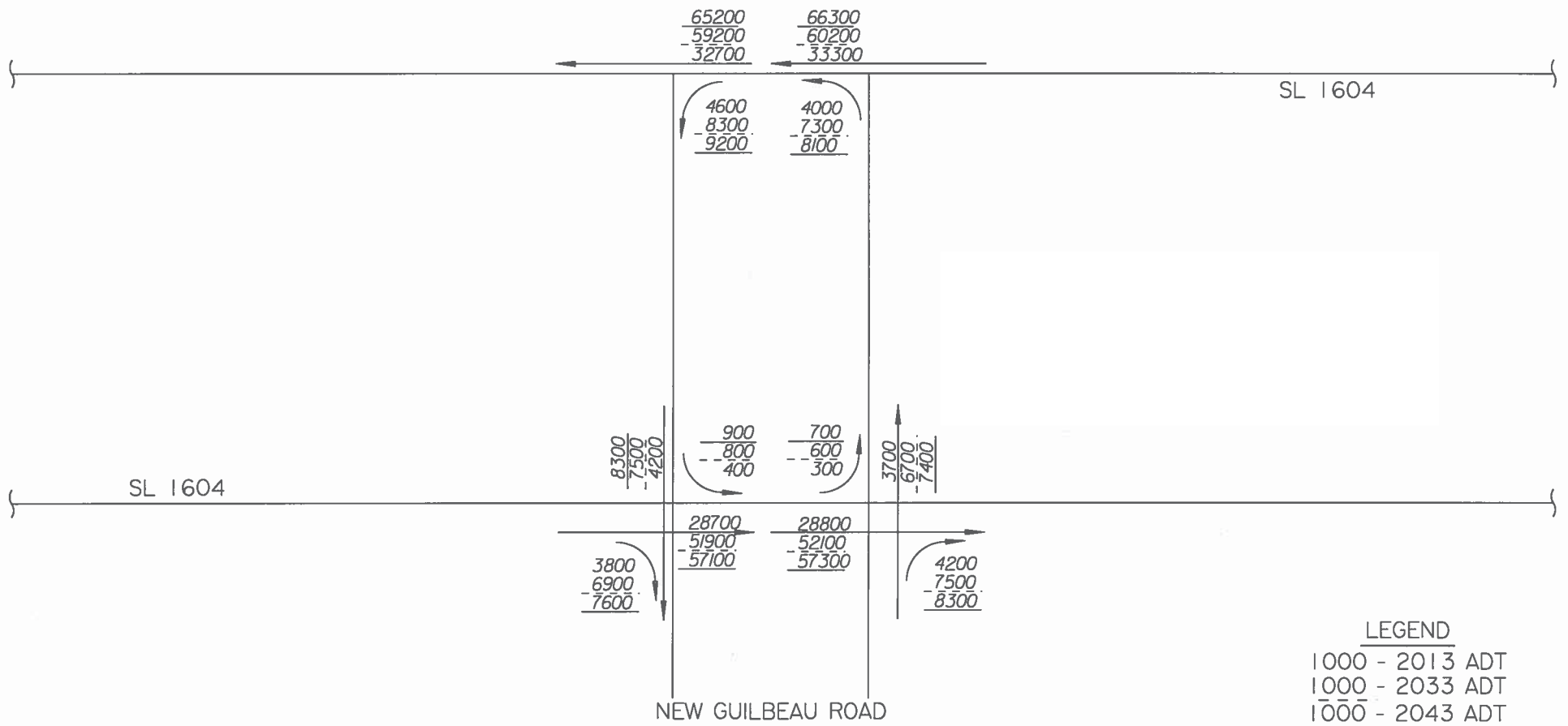


2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION  
 FEBRUARY 1, 2013



EXISTING



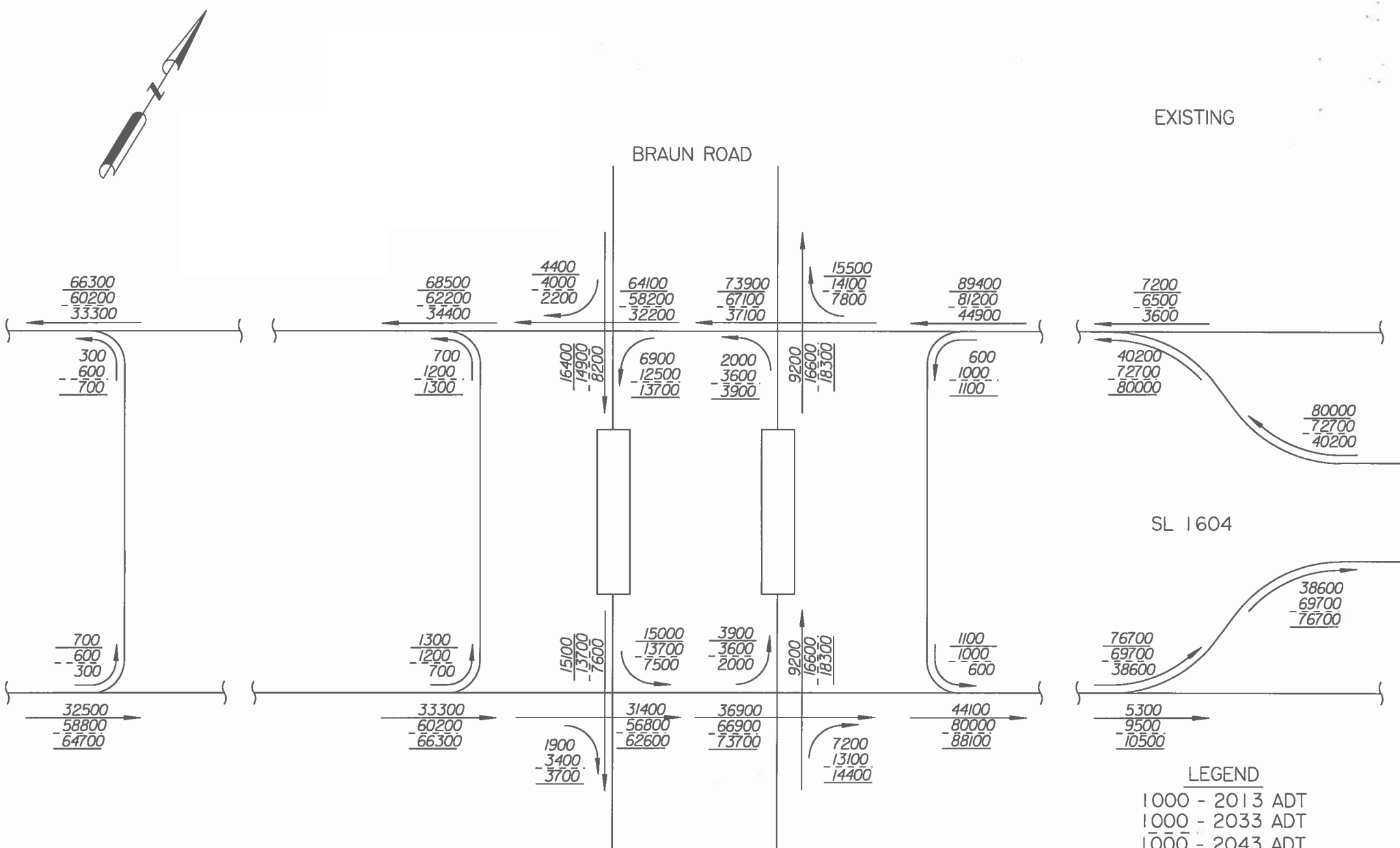
LEGEND  
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 1000 - 2033 ADT  
 1000 - 2043 ADT

2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION  
 FEBRUARY 1, 2013

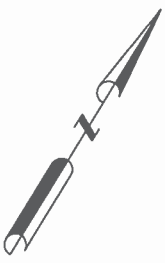
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BRAUN ROAD



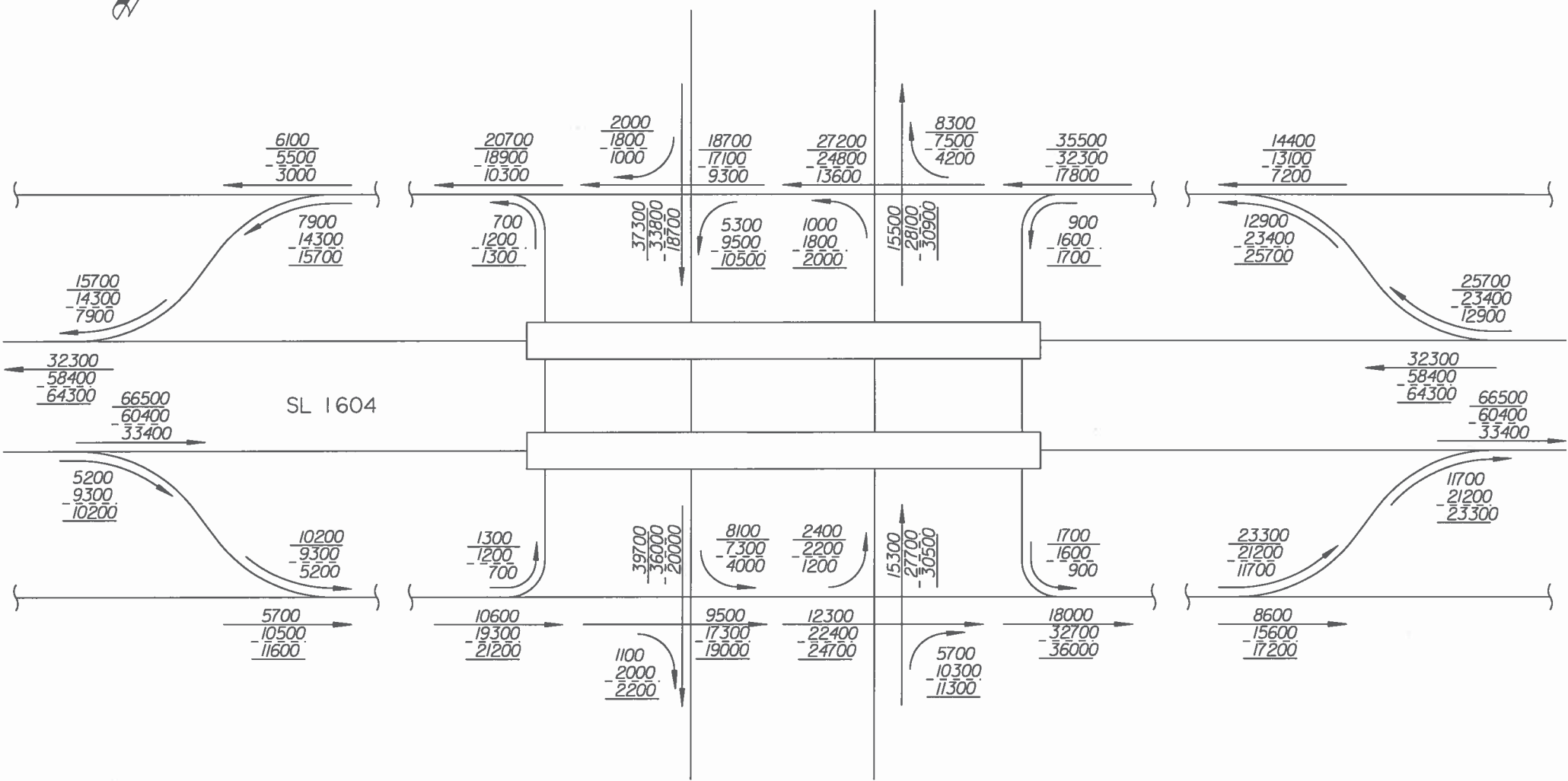
2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION  
FEBRUARY 1, 2013



SH 16 (BANDERA ROAD)

EXISTING



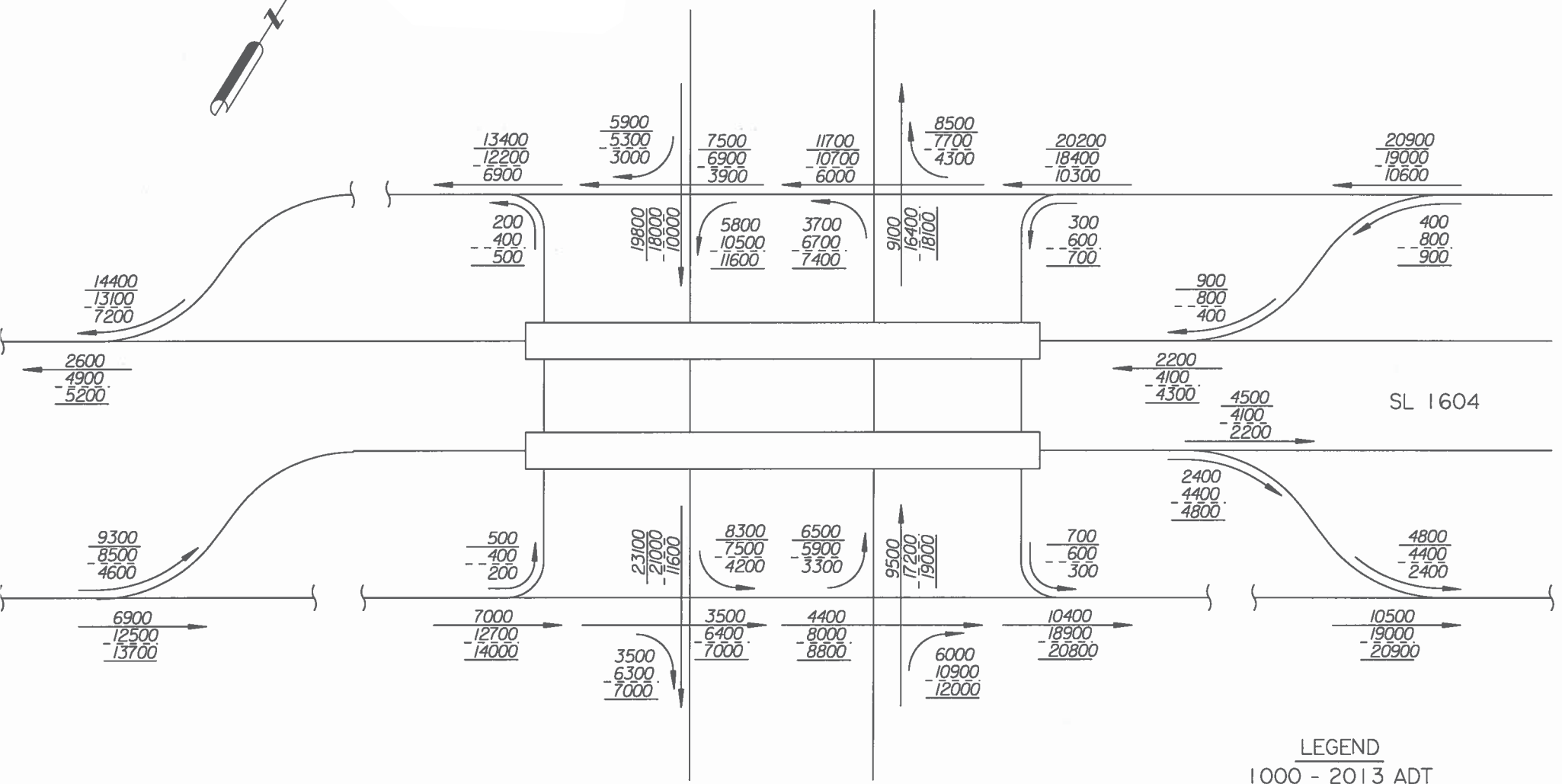
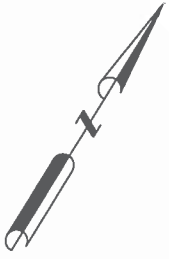
2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION  
FEBRUARY 1, 2013

LEGEND  
 1000 - 2013 ADT  
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 1000 - 2043 ADT SHEET 14 OF 14



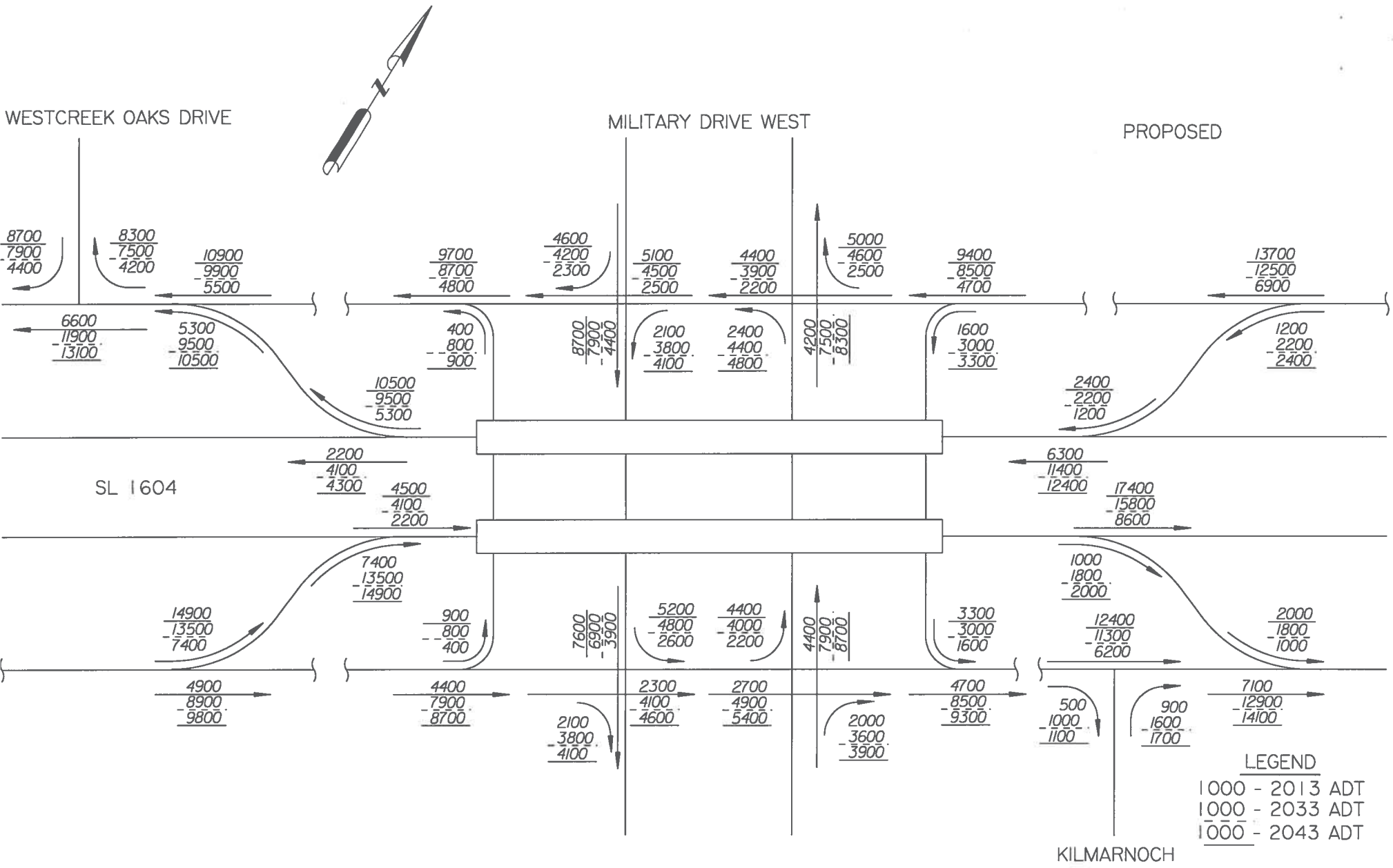
FM 1957 (POTRANCO ROAD)



LEGEND  
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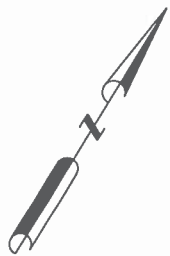
2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION  
 FEBRUARY 1, 2013



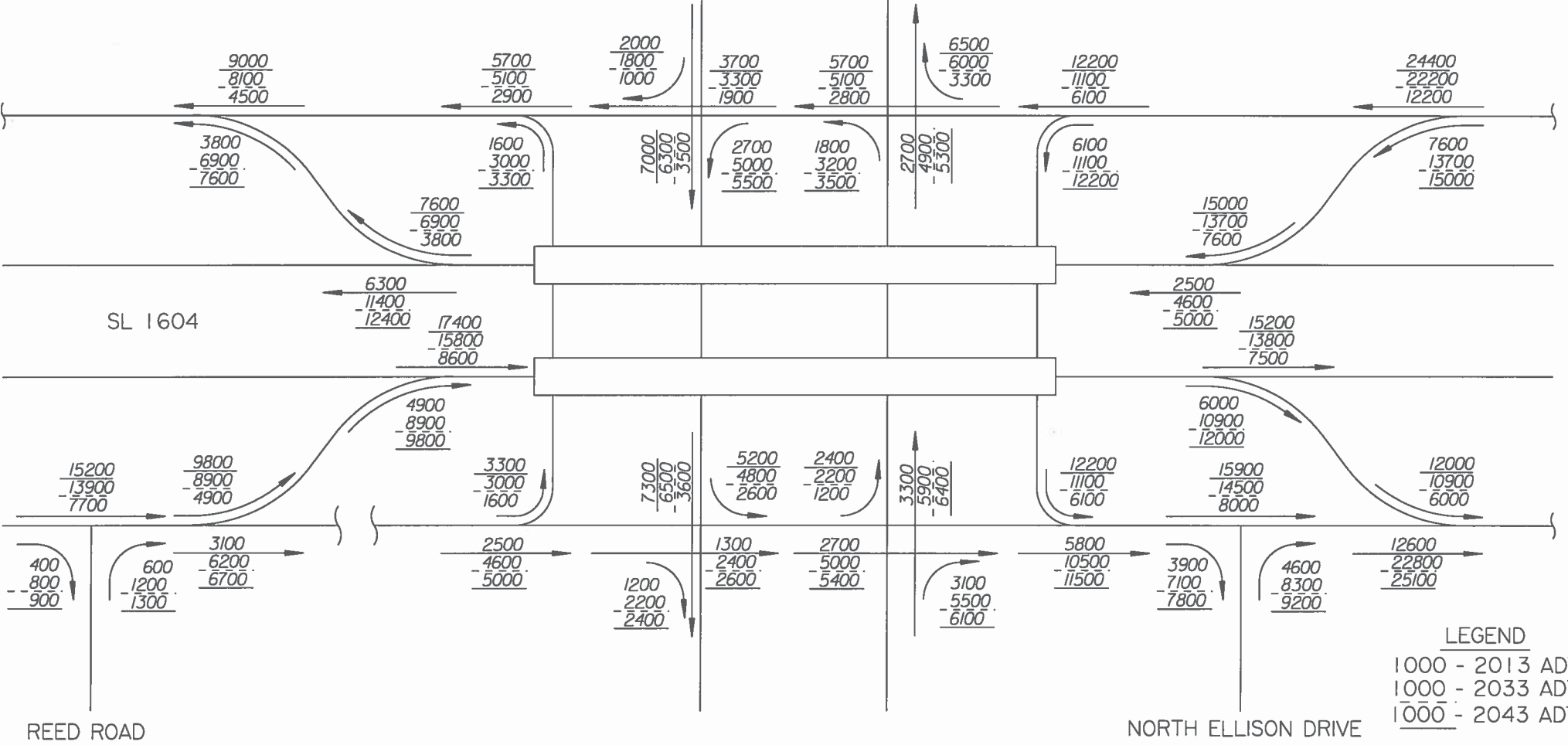
2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION  
 FEBRUARY 1, 2013



WISEMAN BLVD.

PROPOSED

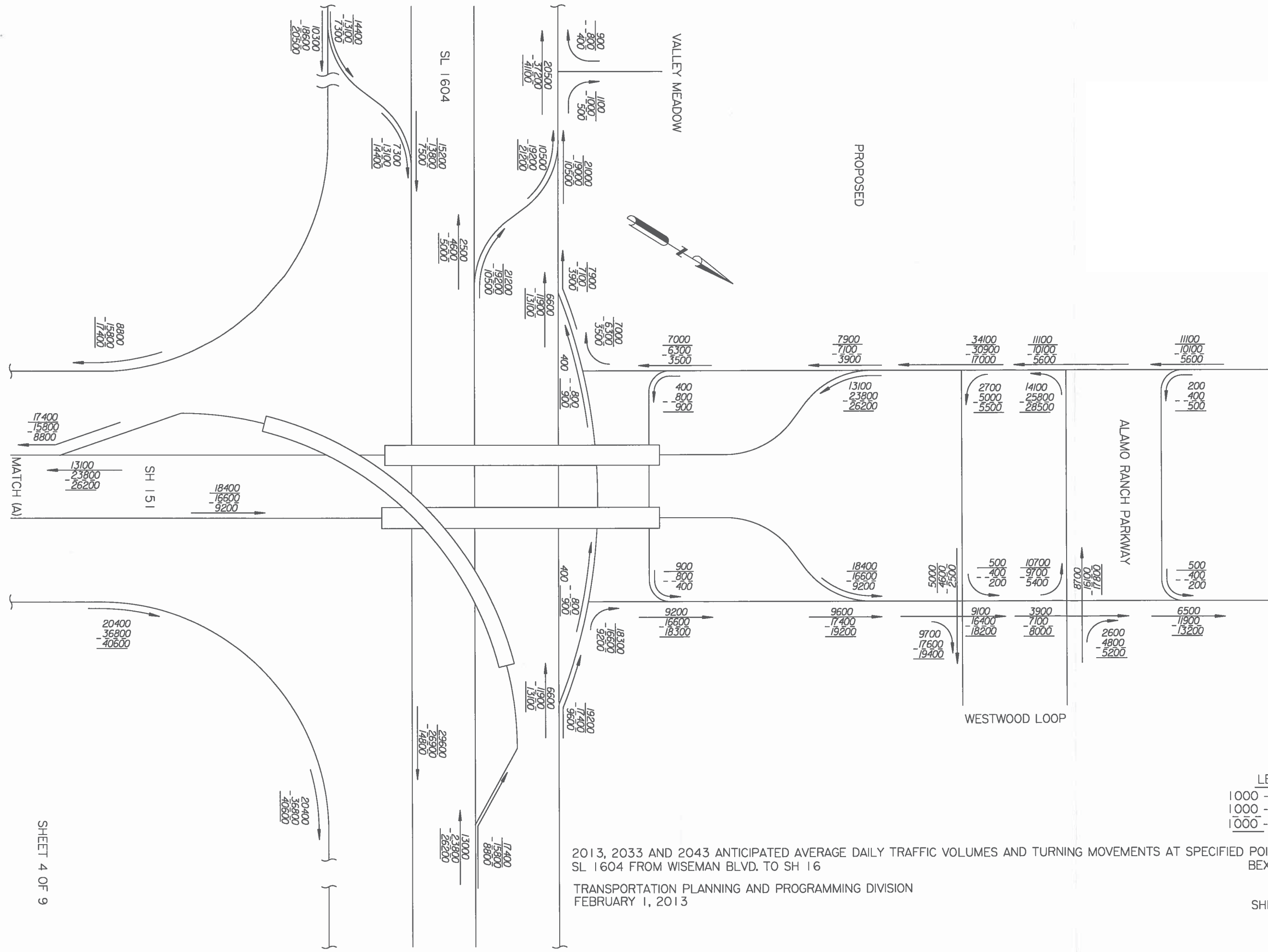


LEGEND

- 1000 - 2013 ADT
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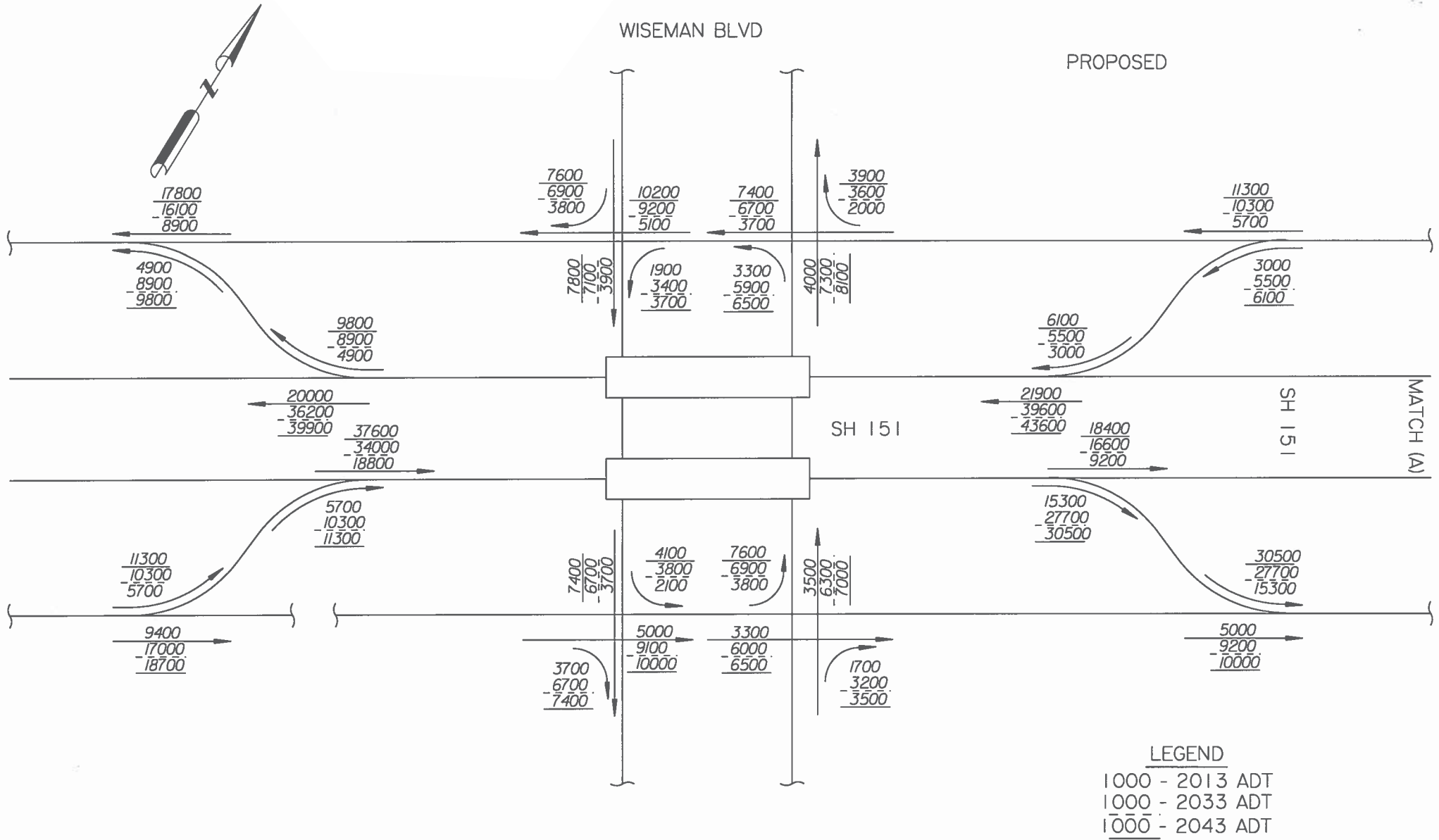
2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION  
FEBRUARY 1, 2013



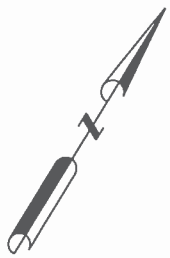
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 1000 - 2013 ADT  
 1000 - 2033 ADT  
 1000 - 2043 ADT

2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16  
 TRANSPORTATION PLANNING AND PROGRAMMING DIVISION  
 FEBRUARY 1, 2013



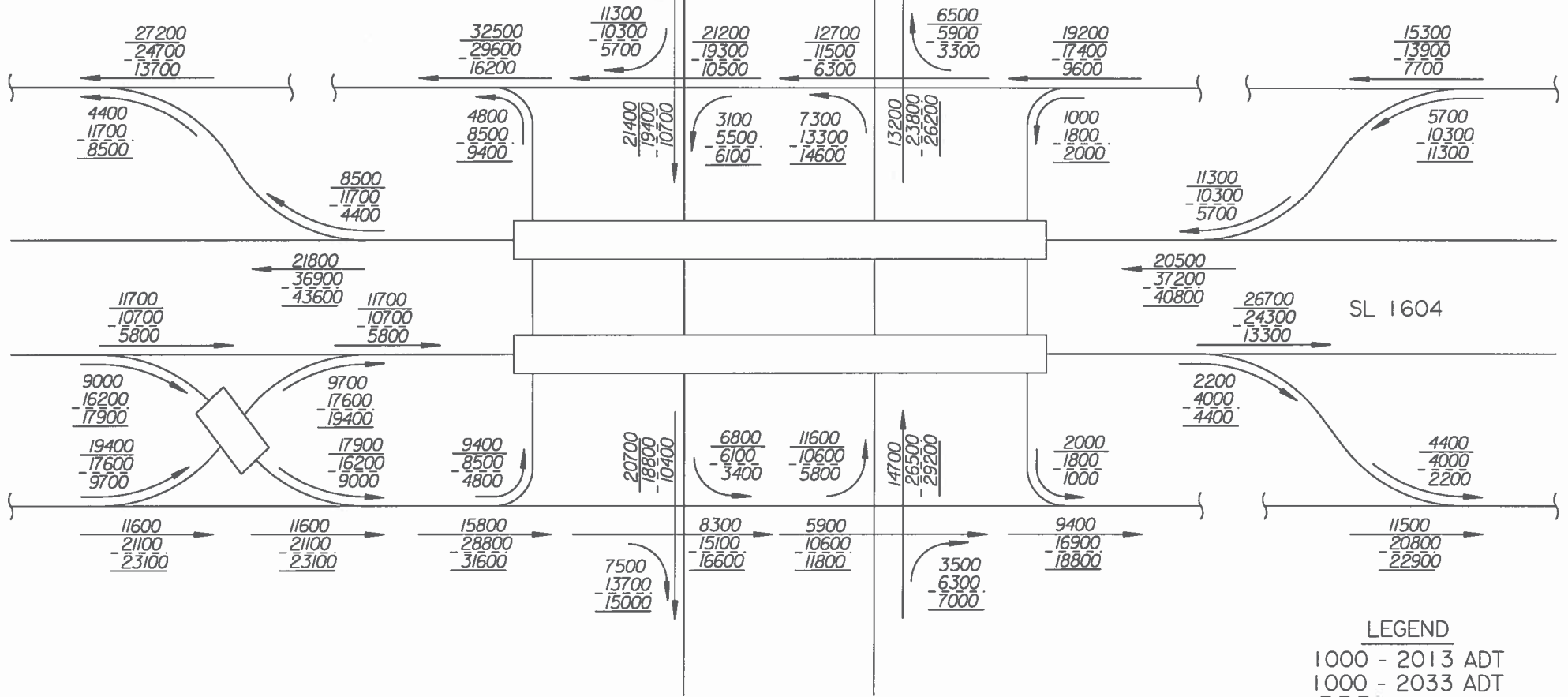
2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 151 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION  
 FEBRUARY 1, 2013



FM 471 / CULEBRA ROAD

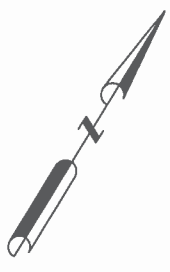
PROPOSED



LEGEND  
 1000 - 2013 ADT  
 1000 - 2033 ADT  
 1000 - 2043 ADT

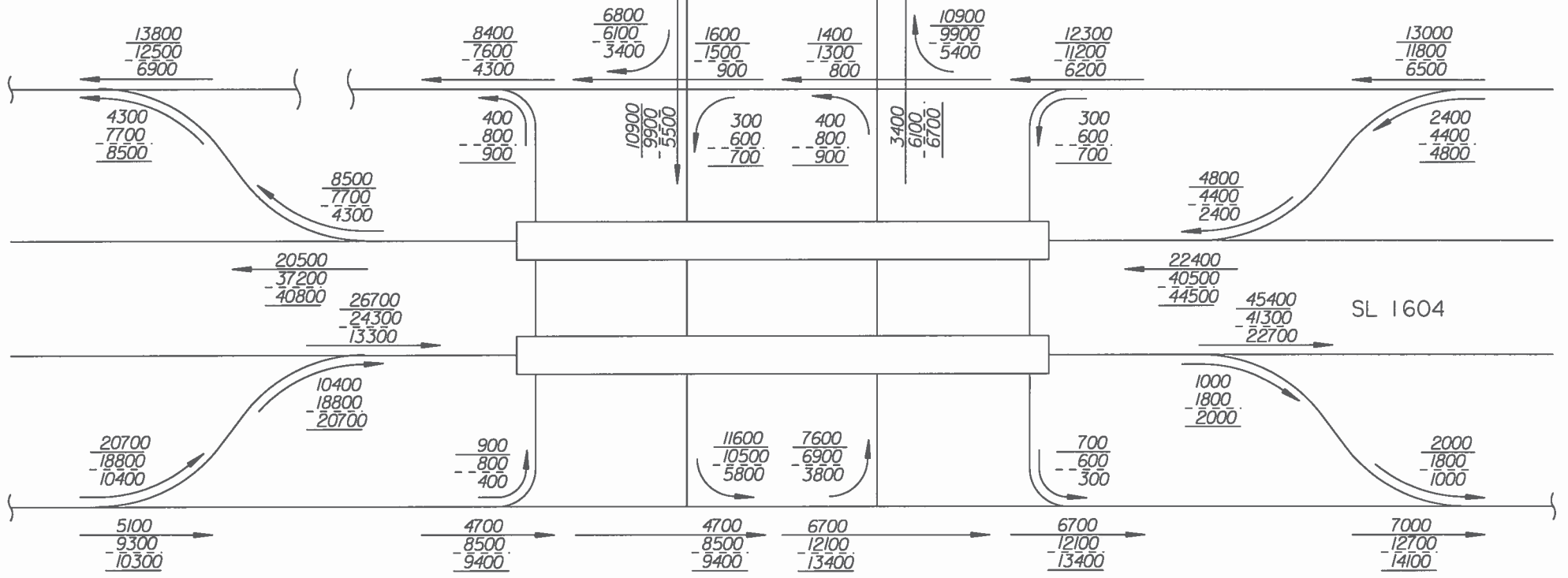
2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION  
 FEBRUARY 1, 2013



SHAENFIELD

PROPOSED

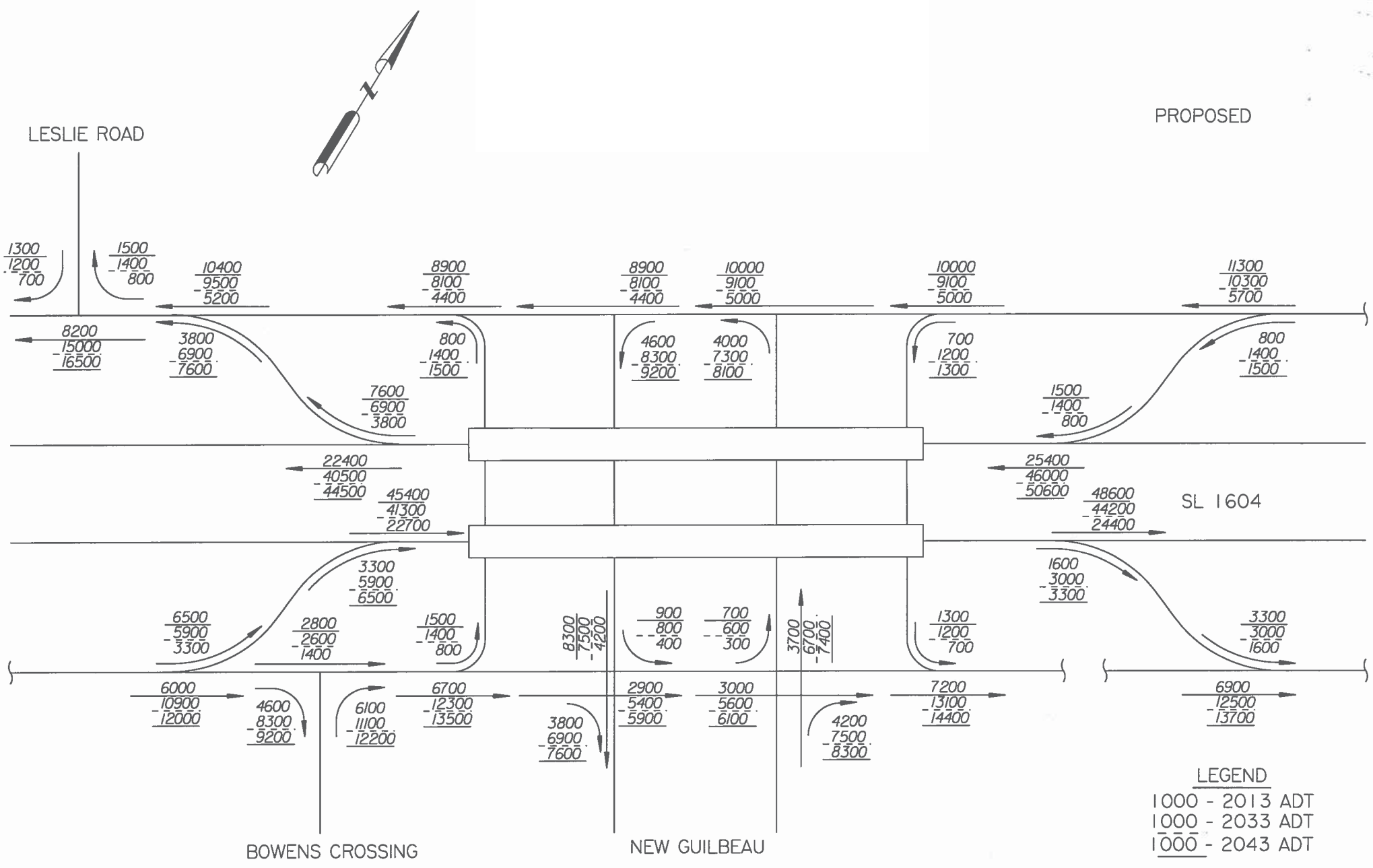


LEGEND

- 1000 - 2013 ADT
- 1000 - 2033 ADT
- 1000 - 2043 ADT

2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION  
FEBRUARY 1, 2013

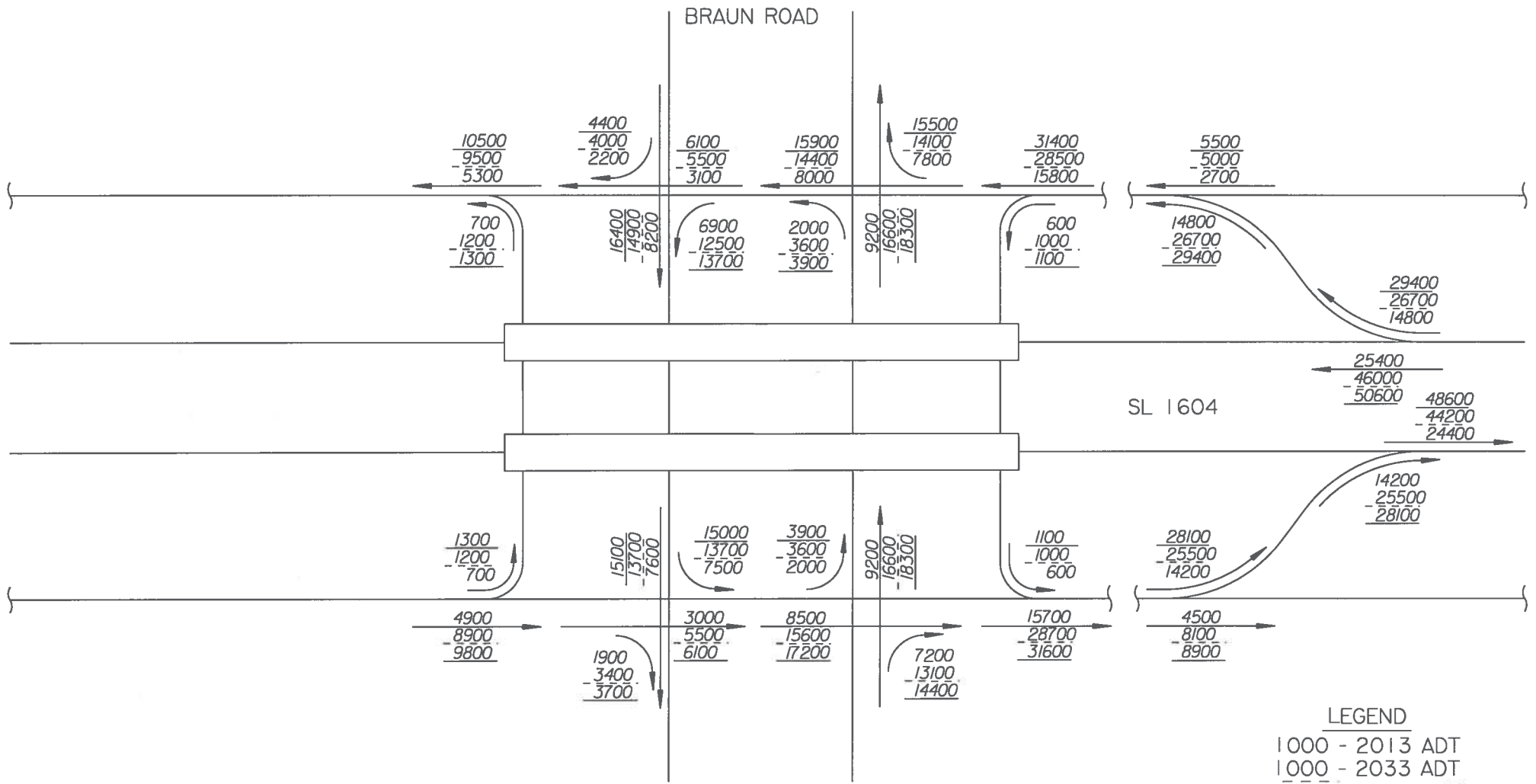


2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION  
FEBRUARY 1, 2013



PROPOSED



LEGEND  
 1000 - 2013 ADT  
 1000 - 2033 ADT  
 1000 - 2043 ADT

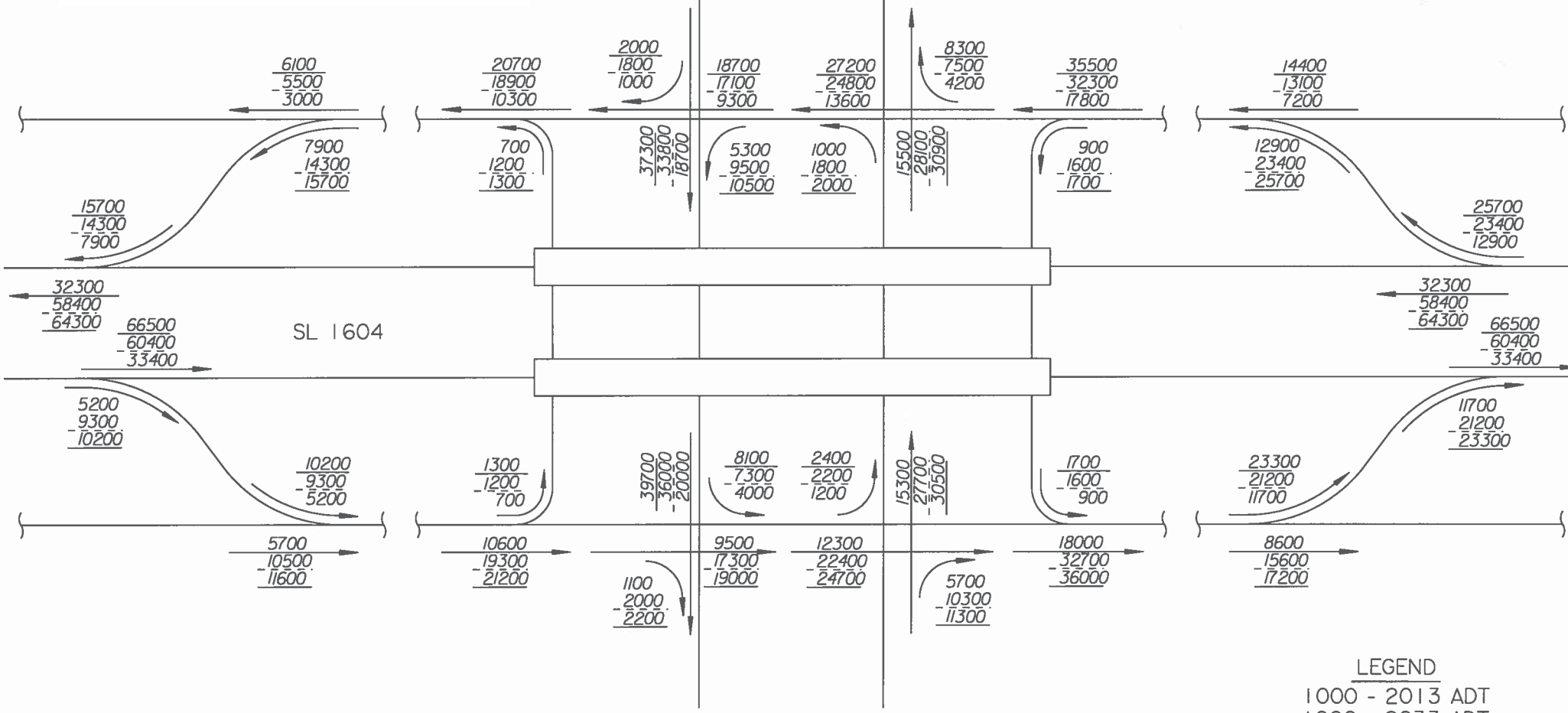
2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION  
 FEBRUARY 1, 2013

SHEET 8 OF 9

SH 16 (BANDERA ROAD)

PROPOSED



LEGEND

- 1000 - 2013 ADT
- 1000 - 2033 ADT
- 1000 - 2043 ADT

2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION  
FEBRUARY 1, 2013

**TRAFFIC ANALYSIS FOR HIGHWAY DESIGN**

San Antonio District

January 29, 2013

										Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2013 to 2033)			
Description of Location	Average Daily Traffic		Dir Dist %	K Factor	Percent Trucks		ATHWLD	Percent Tandem Axles in ATHWLD	Flexible Pavement	S N	Rigid Pavement	SLAB	
	2013	2033			ADT	DHV							
	Base Year				Base Year								
<b>SL 1604 Existing</b>													
<b>Section 1</b>													
From Wiseman Blvd. To SH 151													
Bexar County													
46,300	83,600	57 - 43	8.2	5.8	3.8	12,200	20	9,290,000	3	11,409,000	8"		
<b>Data for Use in Air &amp; Noise Analysis</b>													
Vehicle Class	Base Year												
	% of ADT		% of DHV										
Light Duty	94.2		96.2										
Medium Duty	3.5		2.3										
Heavy Duty	2.3		1.5										
										Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2013 to 2043)			
Description of Location	Average Daily Traffic		Dir Dist %	K Factor	Percent Trucks		ATHWLD	Percent Tandem Axles in ATHWLD	Flexible Pavement	S N	Rigid Pavement	SLAB	
	2013	2043			ADT	DHV							
	Base Year				Base Year								
<b>SL 1604 Existing</b>													
<b>Section 1</b>													
From Wiseman Blvd. To SH 151													
Bexar County													
46,300	91,900	57 - 43	8.2	5.8	3.8	12,200	20	14,826,000	3	18,208,000	8"		

**TRAFFIC ANALYSIS FOR HIGHWAY DESIGN**

San Antonio District

January 29, 2013

										Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2013 to 2033)			
Description of Location	Average Daily Traffic		Dir Dist %	K Factor	Percent Trucks		ATHWLD	Percent Tandem Axles in ATHWLD	Flexible Pavement	S N	Rigid Pavement	SLAB	
	2013	2033			ADT	DHV							
	Base Year				Base Year								
<b>Data for Use in Air &amp; Noise Analysis</b>													
Vehicle Class	% of ADT		% of DHV										
	Light Duty		95.9		97.3								
Medium Duty		2.5		1.7									
Heavy Duty		1.6		1.0									
										Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2013 to 2043)			
Description of Location	Average Daily Traffic		Dir Dist %	K Factor	Percent Trucks		ATHWLD	Percent Tandem Axles in ATHWLD	Flexible Pavement	S N	Rigid Pavement	SLAB	
	2013	2043			ADT	DHV							
	Base Year				Base Year								
SL 1604 Existing Section 2 From SH 151 To SH 16 Bexar County	87,500	174,400	57 - 43	8.2	4.1	2.7	12,500	20	19,992,000	3	24,477,000	8"	

**TRAFFIC ANALYSIS FOR HIGHWAY DESIGN**

San Antonio District

January 29, 2013

										Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2013 to 2033)			
Description of Location	Average Daily Traffic		Dir Dist %	K Factor	Percent Trucks		ATHWLD	Percent Tandem Axles in ATHWLD	Flexible Pavement	S N	Rigid Pavement	SLAB	
	2013	2033			ADT	DHV							
	Base Year				Base Year								
<u>SL 1604 Proposed Section 1</u> From Wiseman Blvd. To SH 151  Bexar County	48,500	88,100	57 - 43	8.2	5.7	3.8	12,200	20	9,604,000	3	11,792,000	8"	
<b>Data for Use in Air &amp; Noise Analysis</b>													
Vehicle Class	Base Year												
	% of ADT		% of DHV										
Light Duty	94.3		96.2										
Medium Duty	3.4		2.2										
Heavy Duty	2.3		1.6										
										Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2013 to 2043)			
Description of Location	Average Daily Traffic		Dir Dist %	K Factor	Percent Trucks		ATHWLD	Percent Tandem Axles in ATHWLD	Flexible Pavement	S N	Rigid Pavement	SLAB	
	2013	2043			ADT	DHV							
	Base Year				Base Year								
<u>SL 1604 Proposed Section 1</u> From Wiseman Blvd. To SH 151  Bexar County	48,500	97,100	57 - 43	8.2	5.7	3.8	12,300	20	15,355,000	3	18,854,000	8"	

**TRAFFIC ANALYSIS FOR HIGHWAY DESIGN**

San Antonio District

January 29, 2013

										Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2013 to 2033)			
Description of Location	Average Daily Traffic		Dir Dist %	K Factor	Percent Trucks		ATHWLD	Percent Tandem Axles in ATHWLD	Flexible Pavement	S N	Rigid Pavement	SLAB	
	2013	2033			ADT	DHV							
	Base Year				Base Year								
<b>SL 1604 Proposed</b>													
<b>Section 2</b>													
From SH 151 To SH 16  Bexar County	87,500	158,400	57 - 43	8.2	4.1	2.7	12,400	20	12,514,000	3	15,322,000	8"	
<b>Data for Use in Air &amp; Noise Analysis</b>													
<b>Vehicle Class</b>													
	Base Year		Base Year										
	% of ADT		% of DHV										
Light Duty	95.9		97.3										
Medium Duty	2.5		1.7										
Heavy Duty	1.6		1.0										
										Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2013 to 2043)			
Description of Location	Average Daily Traffic		Dir Dist %	K Factor	Percent Trucks		ATHWLD	Percent Tandem Axles in ATHWLD	Flexible Pavement	S N	Rigid Pavement	SLAB	
	2013	2043			ADT	DHV							
	Base Year				Base Year								
<b>SL 1604 Proposed</b>													
<b>Section 2</b>													
From SH 151 To SH 16  Bexar County	87,500	174,400	57 - 43	8.2	4.1	2.7	12,500	20	19,992,000	3	24,477,000	8"	