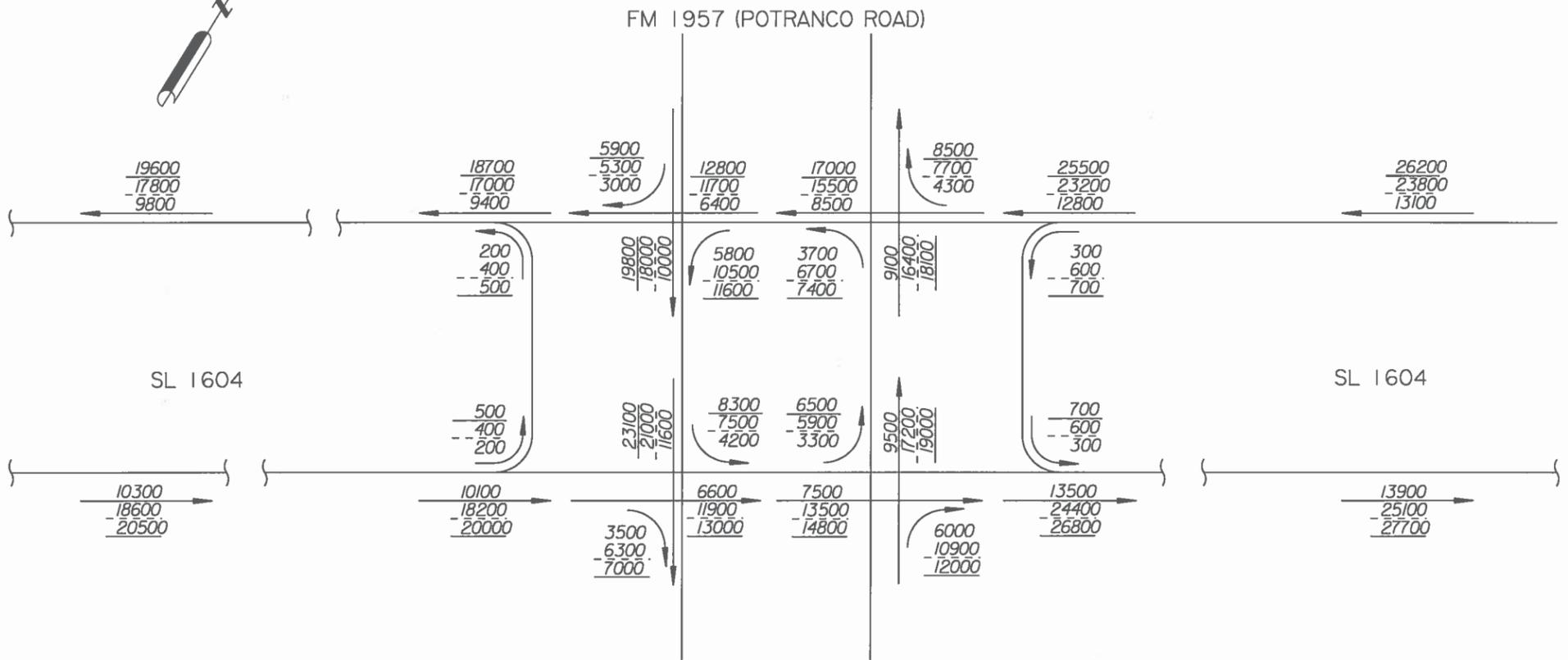


TEXAS DEPARTMENT OF TRANSPORTATION
TECHNICAL PROVISIONS
FOR
LOOP 1604 WESTERN EXTENSION
DESIGN-BUILD PROJECT

ATTACHMENT 8-1
TRAFFIC DATA

JUNE 4, 2013

EXISTING



LEGEND

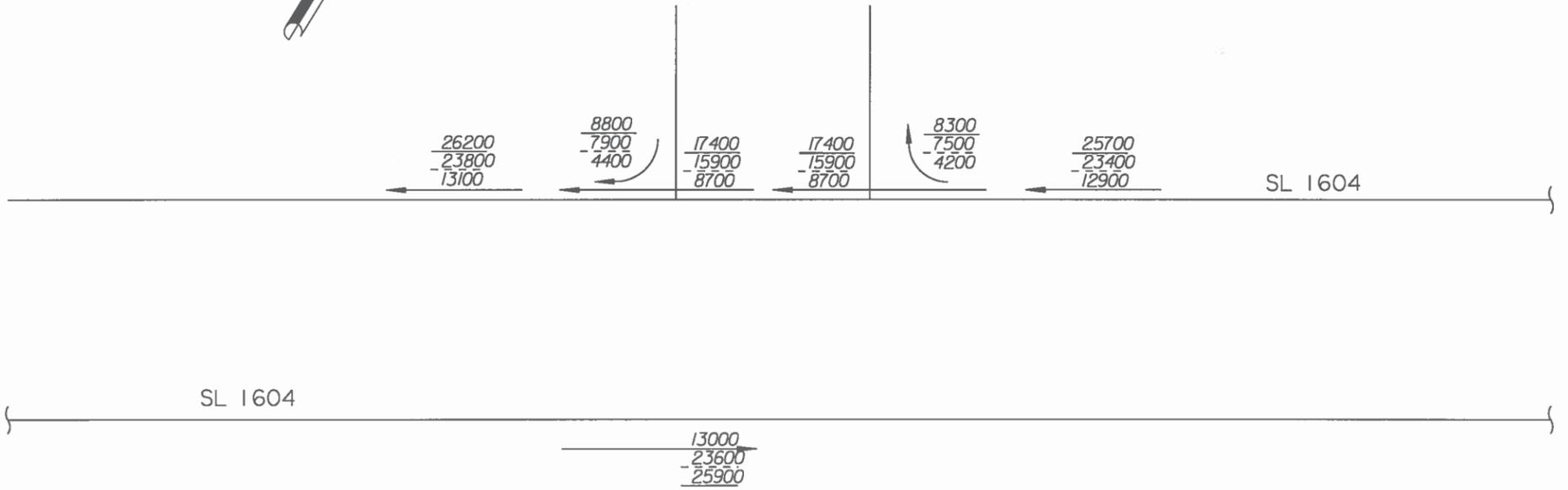
- 1000 - 2013 ADT
- 1000 - 2033 ADT
- 1000 - 2043 ADT

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

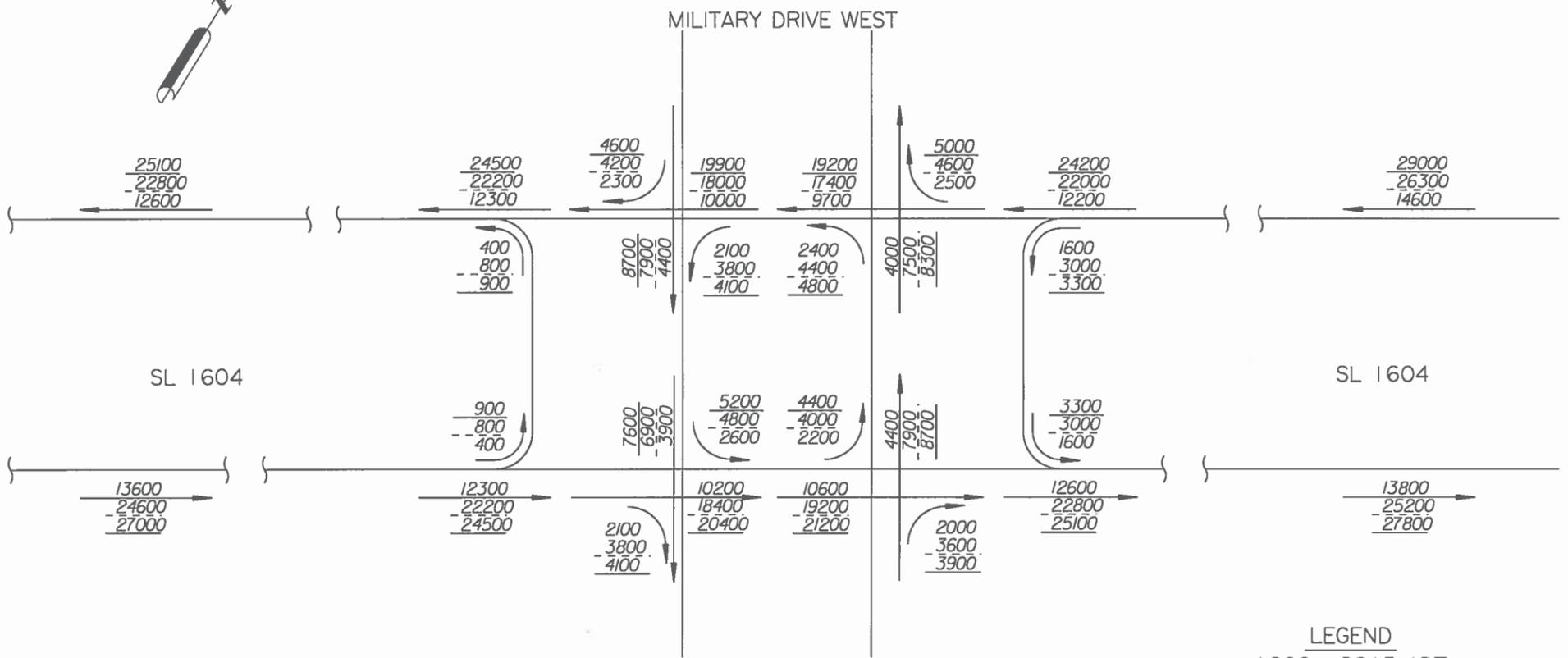


LEGEND
1000 - 2013 ADT
1000 - 2033 ADT
1000 - 2043 ADT

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



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

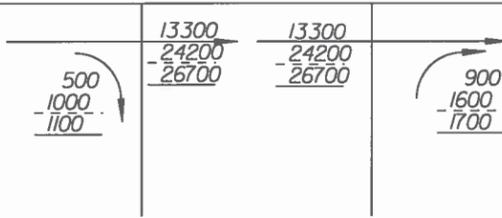


EXISTING

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

SL 1604

SL 1604



KILMARNOCH LANE

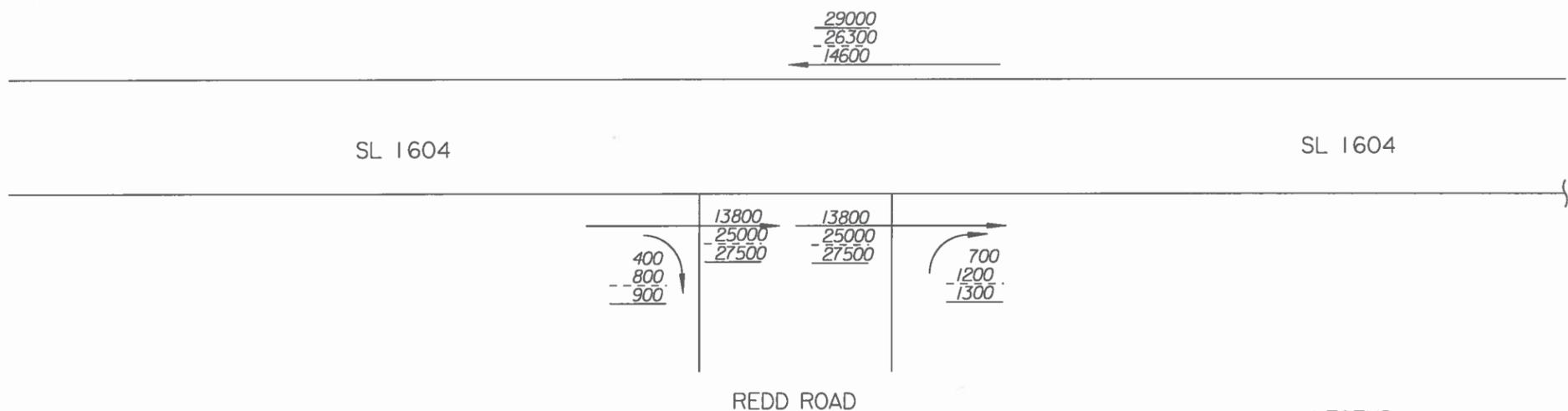
LEGEND
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 1000 - 2033 ADT
 1000 - 2043 ADT

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



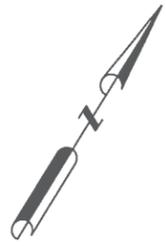
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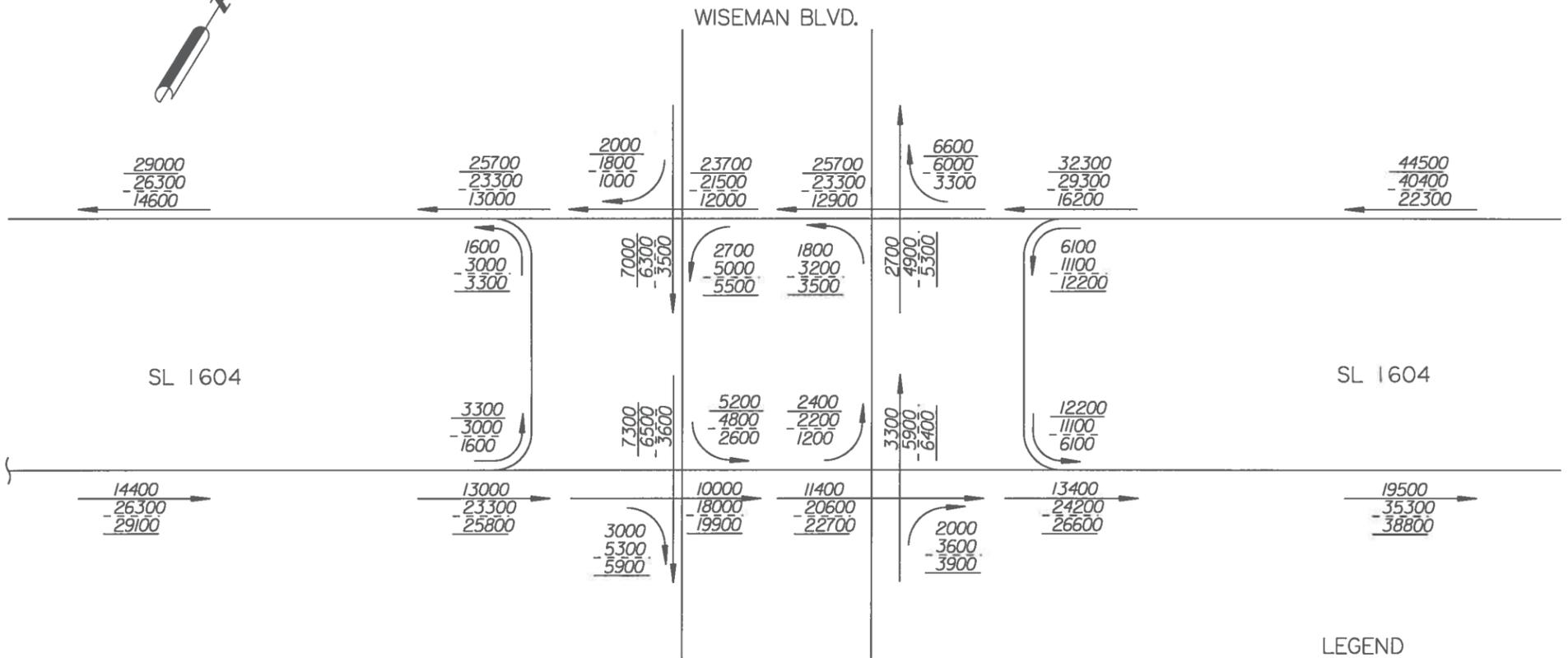
LEGEND
 1000 - 2013 ADT
 1000 - 2033 ADT
 1000 - 2043 ADT

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



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



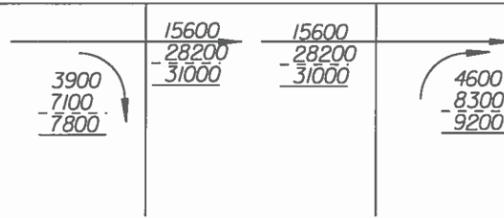
EXISTING



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

SL 1604

SL 1604



NORTH ELLISON DRIVE

LEGEND

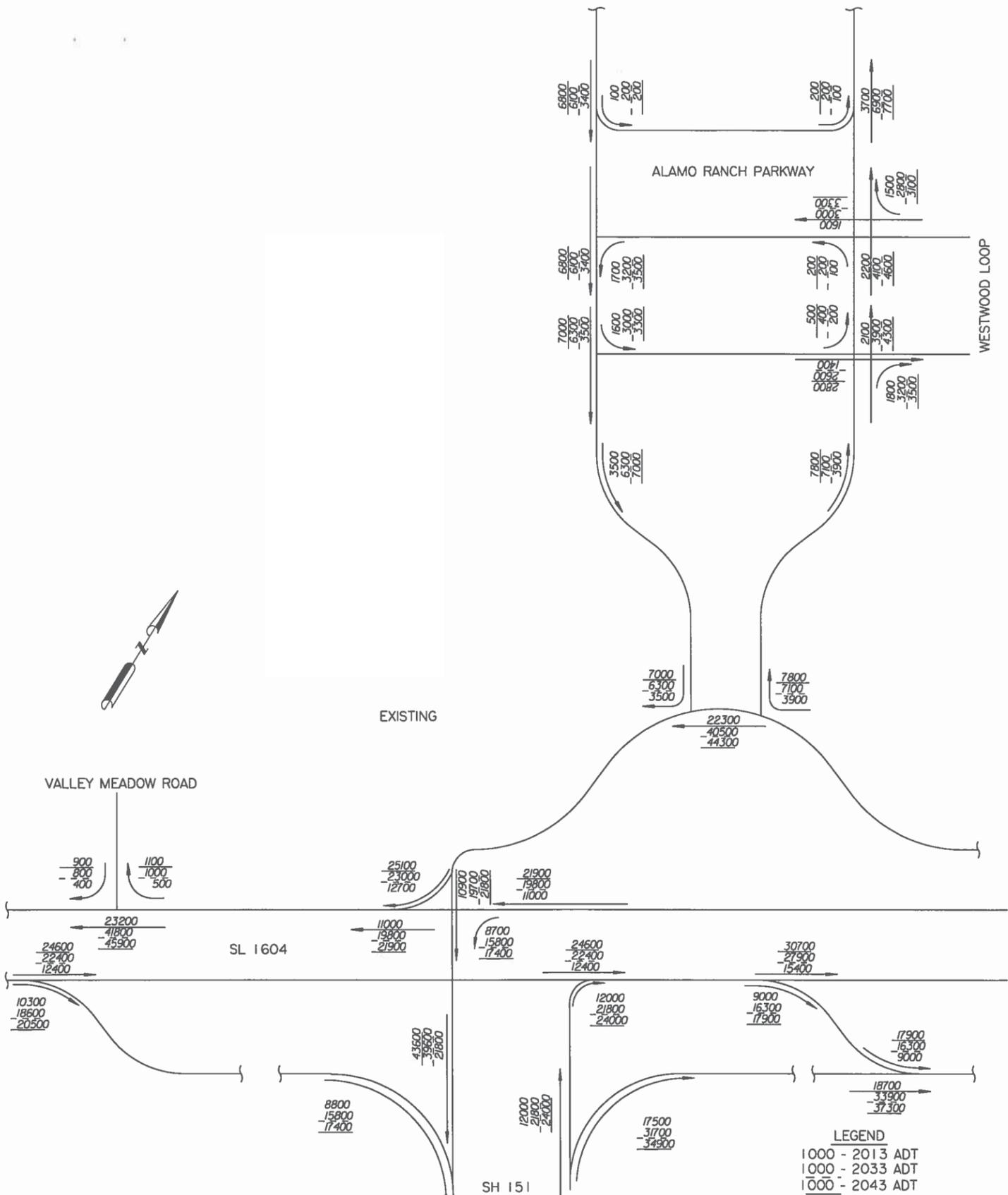
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1000 - 2033 ADT

1000 - 2043 ADT

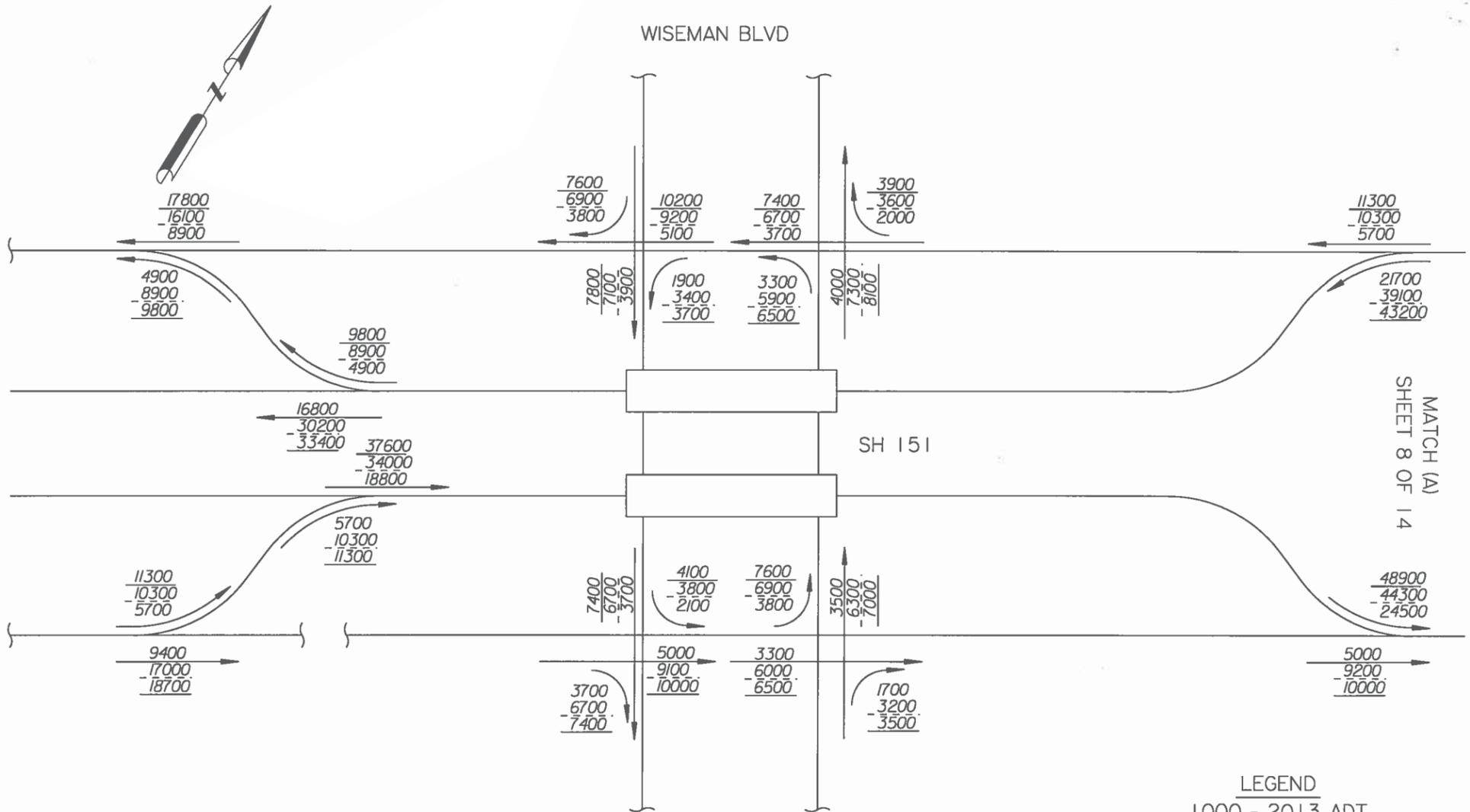
2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION
FEBRUARY 1, 2013



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

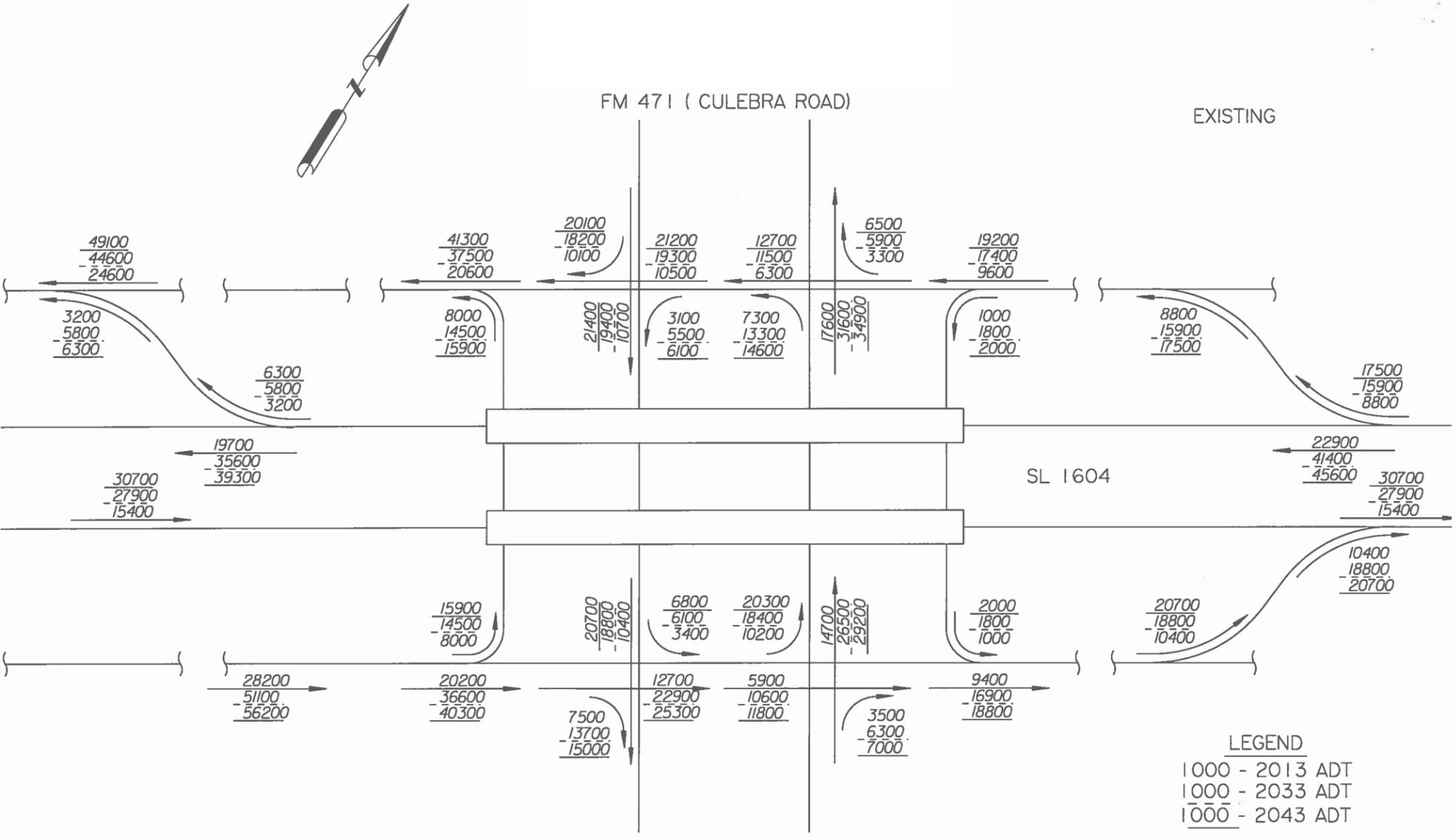


LEGEND
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 1000 - 2033 ADT
 1000 - 2043 ADT

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

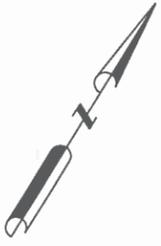
TRANSPORTATION PLANNING AND PROGRAMMING DIVISION
 FEBRUARY 1, 2013

SHEET 8 OF 14



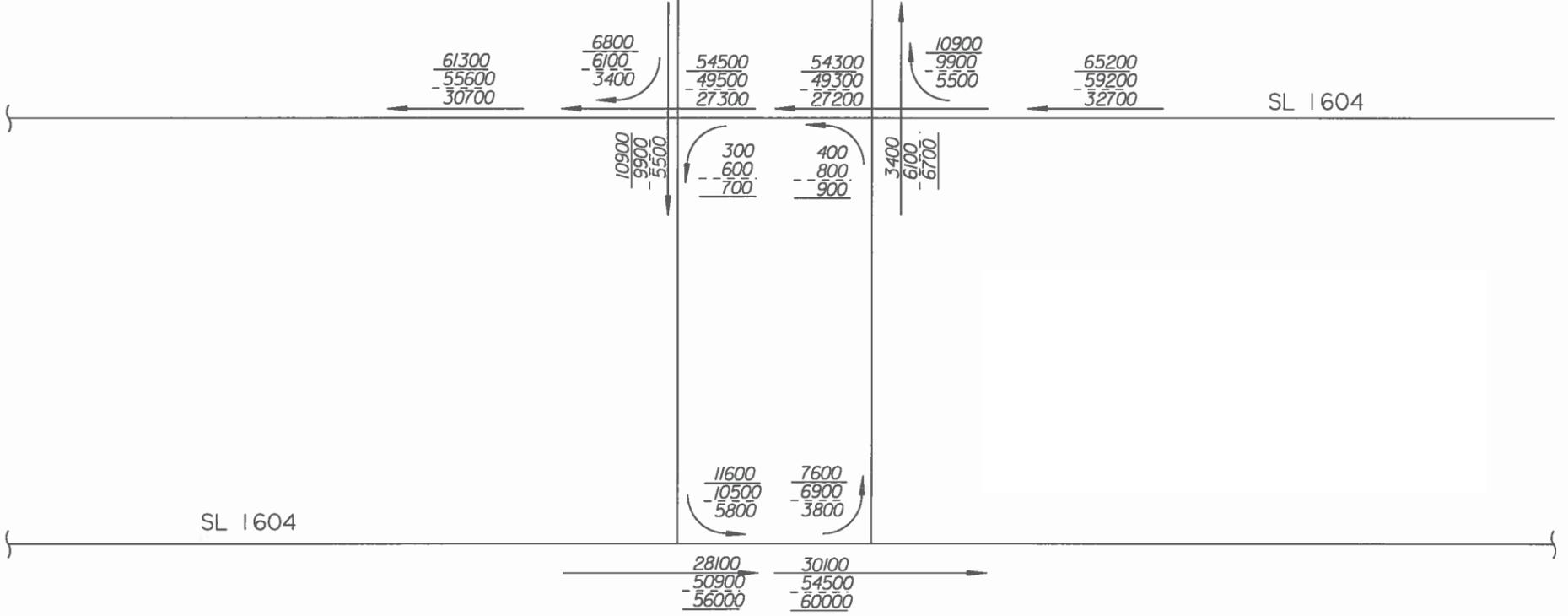
2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION
 DECEMBER 12, 2012



SHAENFIELD ROAD

EXISTING

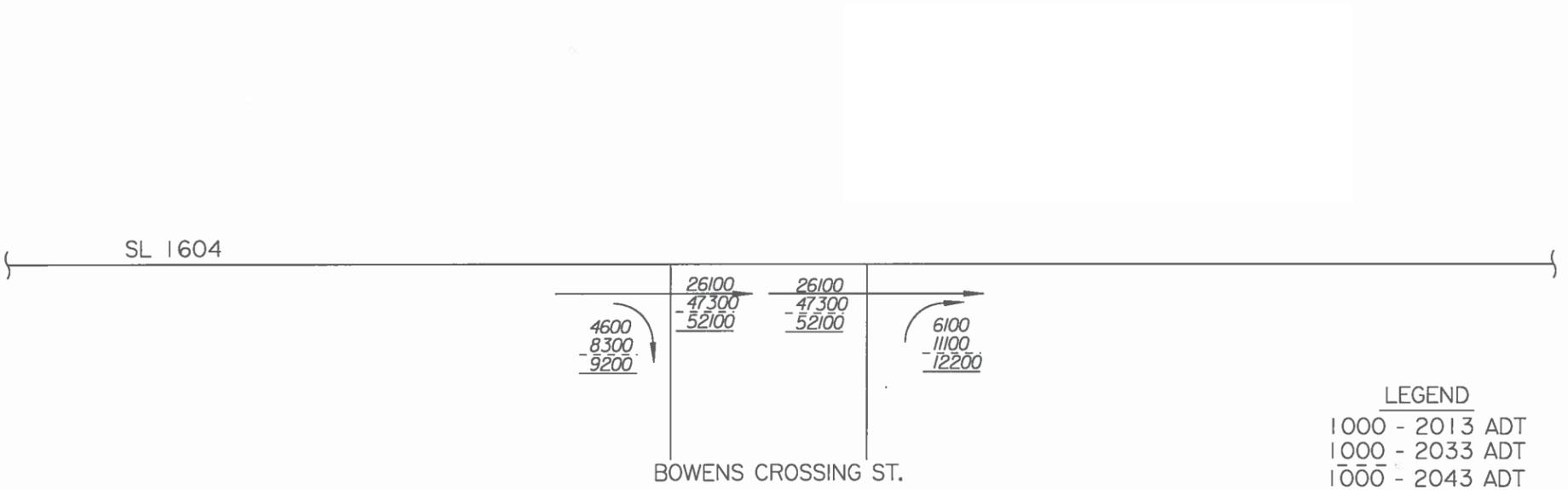
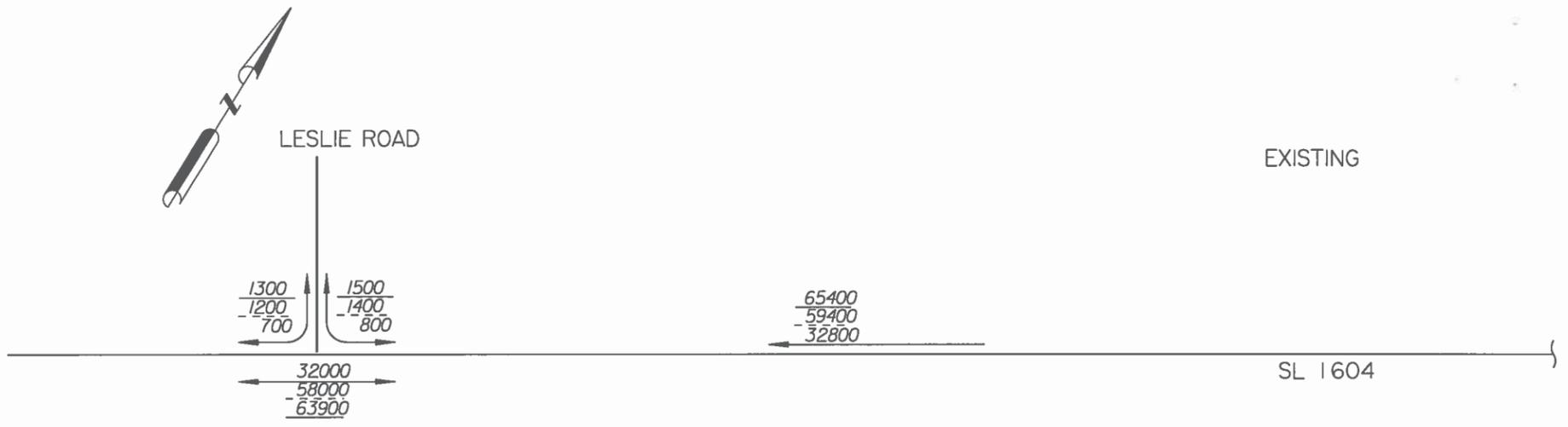


LEGEND

- 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 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION
FEBRUARY 1, 2013

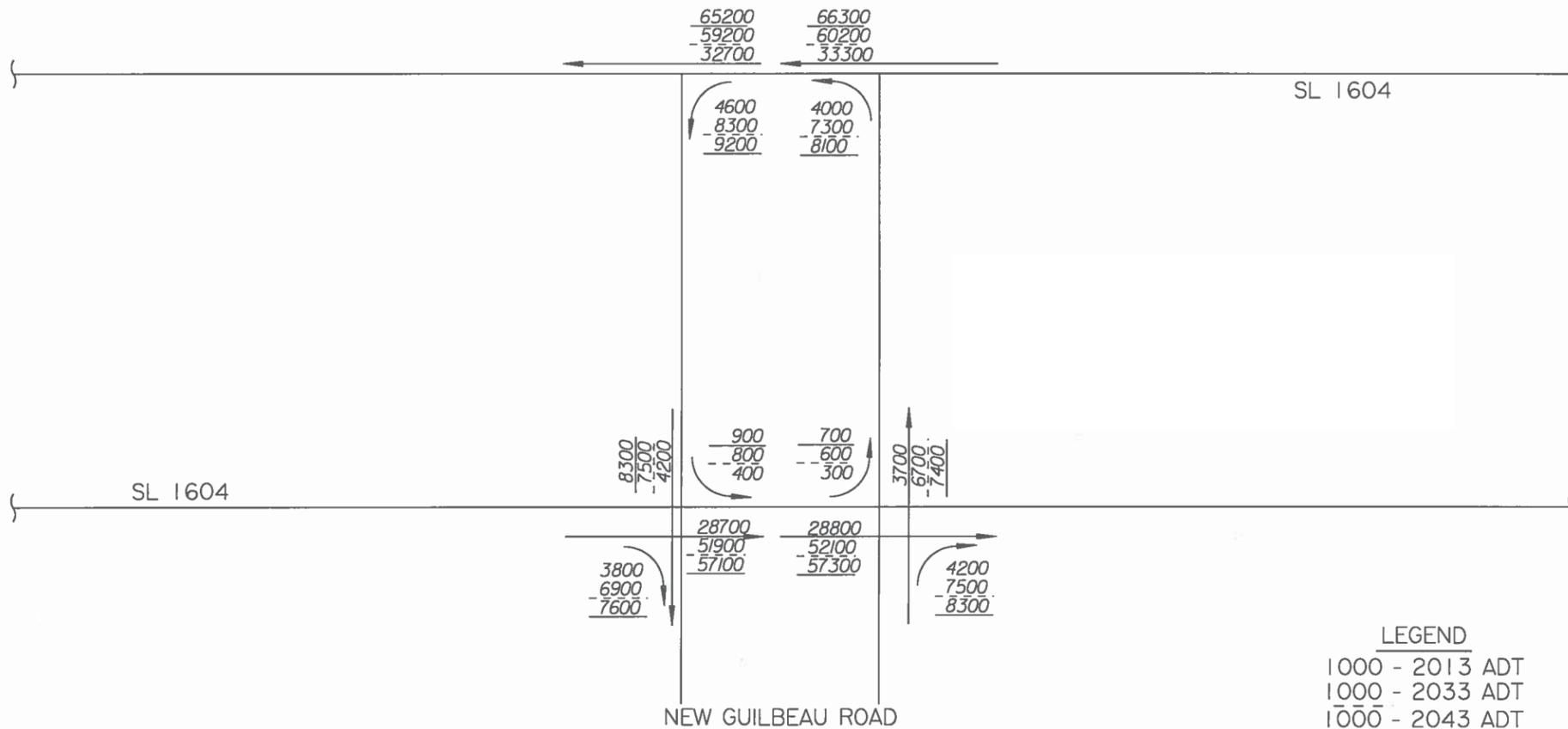


2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION
 FEBRUARY 1, 2013



EXISTING



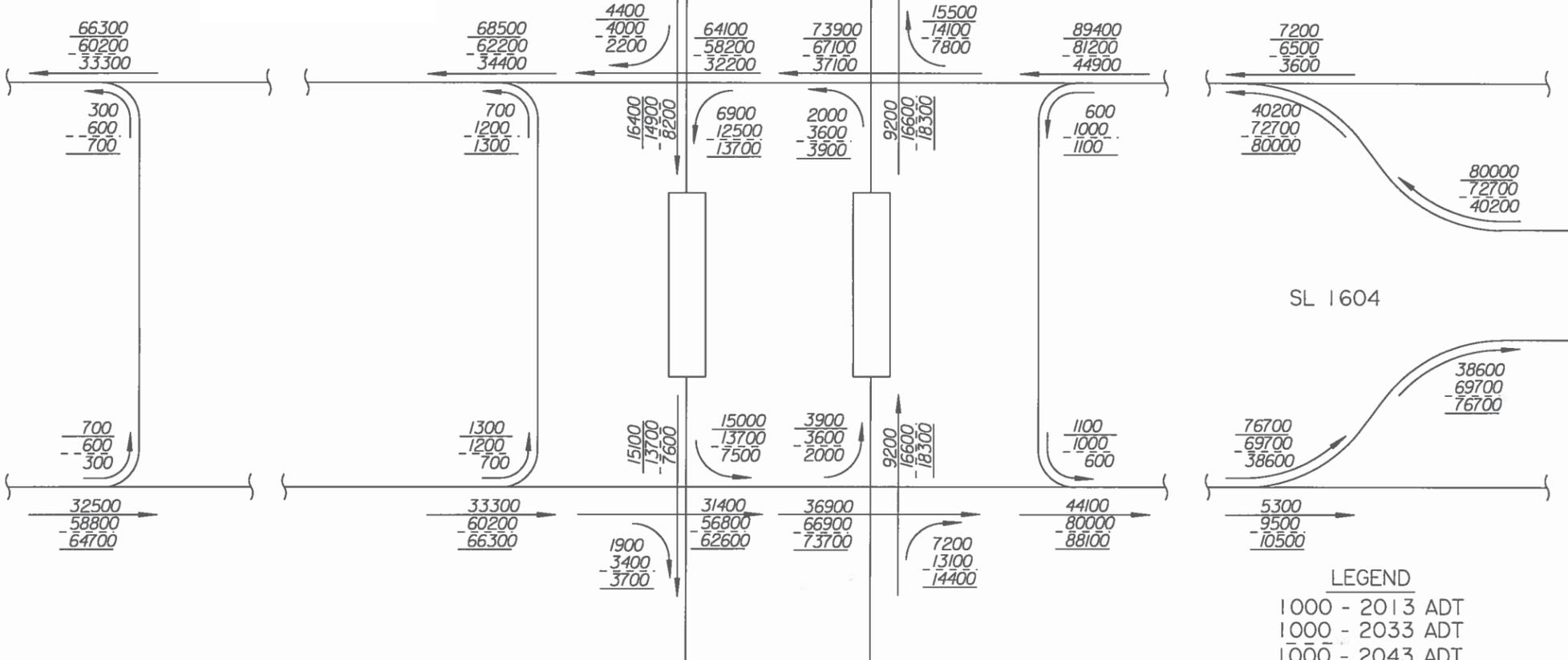
LEGEND
 1000 - 2013 ADT
 1000 - 2033 ADT
 1000 - 2043 ADT

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

BRAUN ROAD



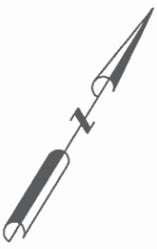
SL 1604

LEGEND

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

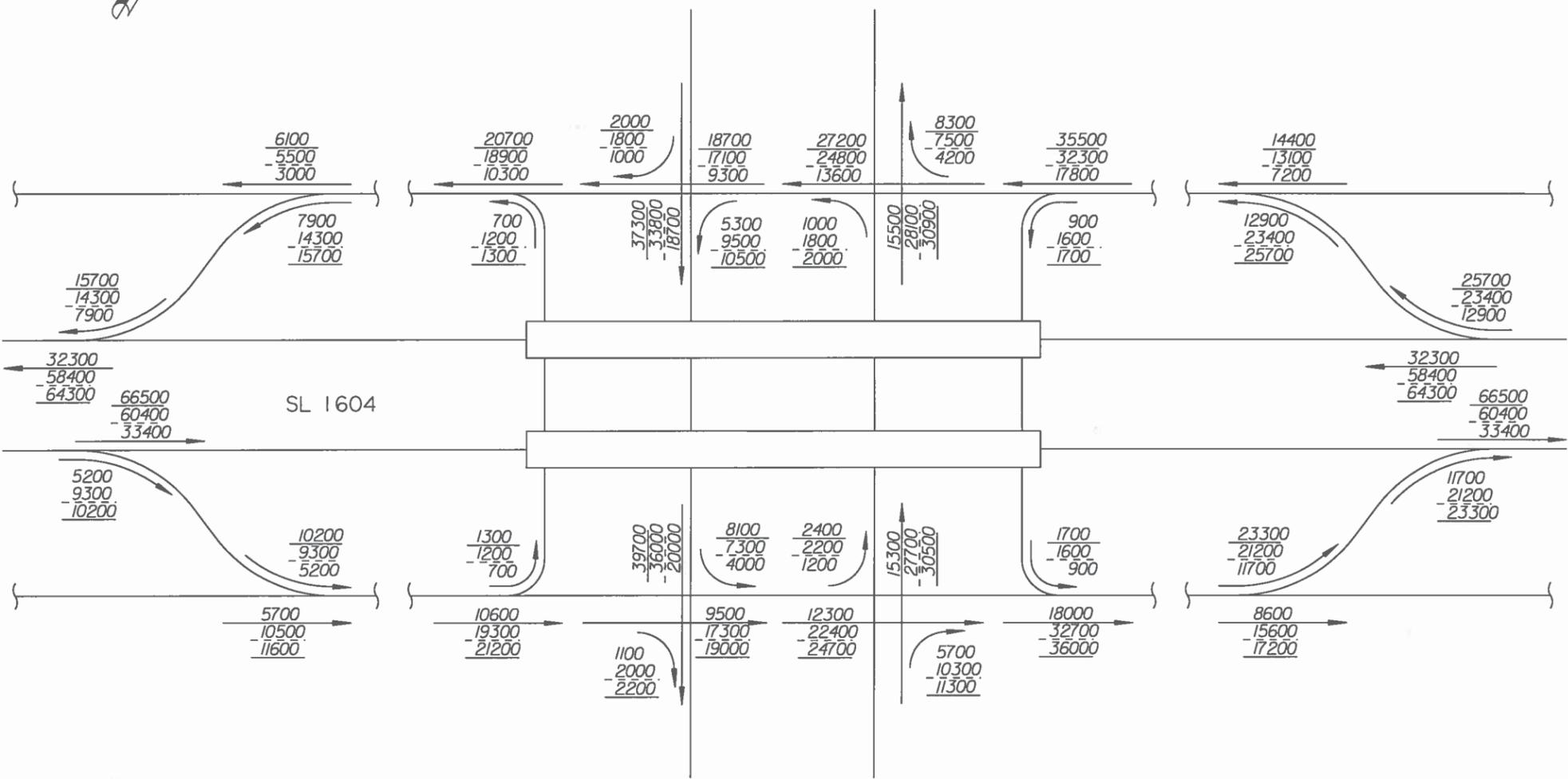
2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION
FEBRUARY 1, 2013



SH 16 (BANDERA ROAD)

EXISTING

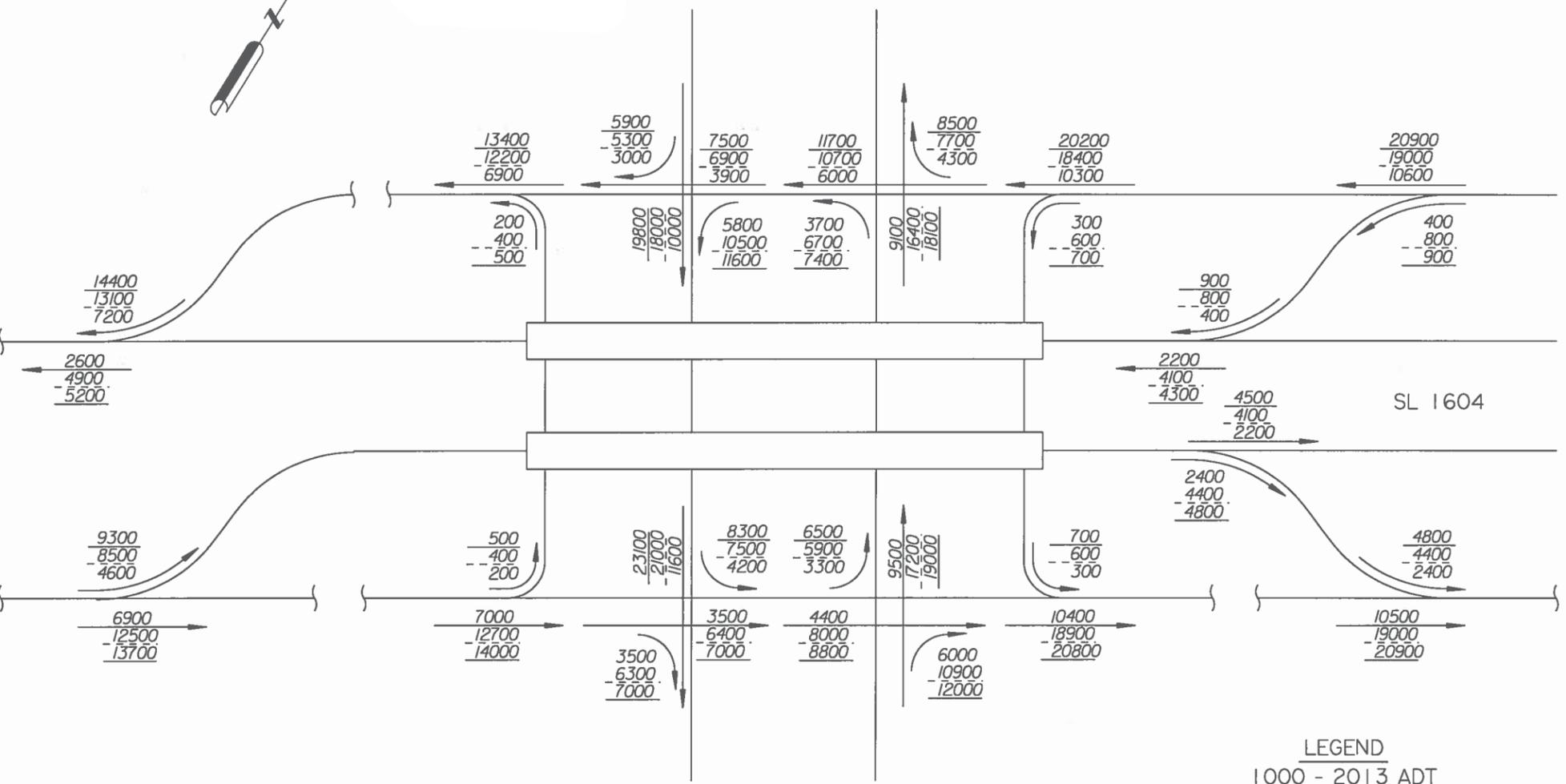
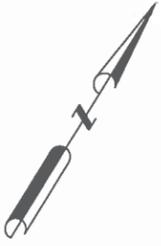


2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION
FEBRUARY 1, 2013

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

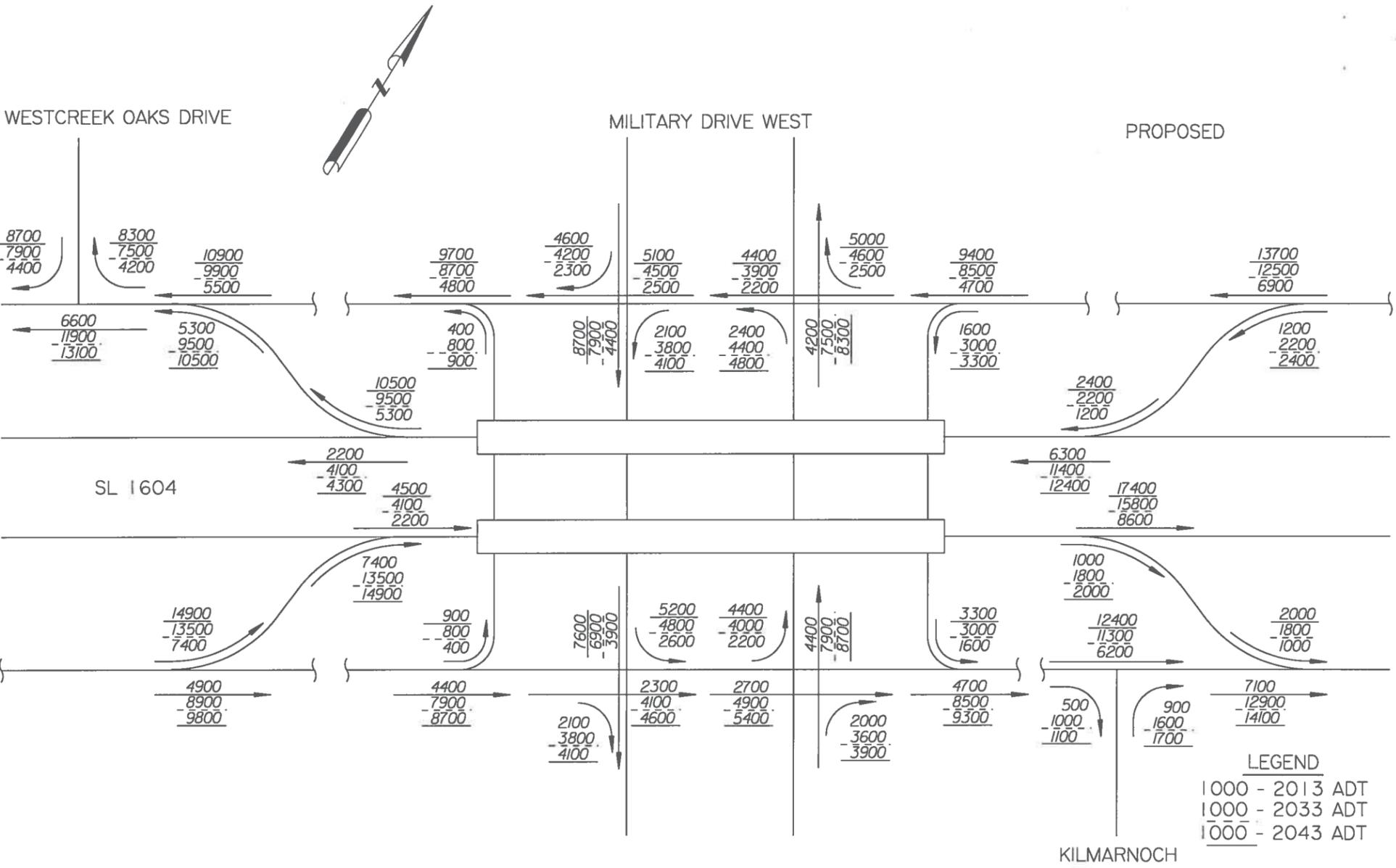
FM 1957 (POTRANCO ROAD)



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

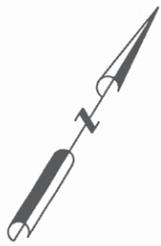
2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION
 FEBRUARY 1, 2013



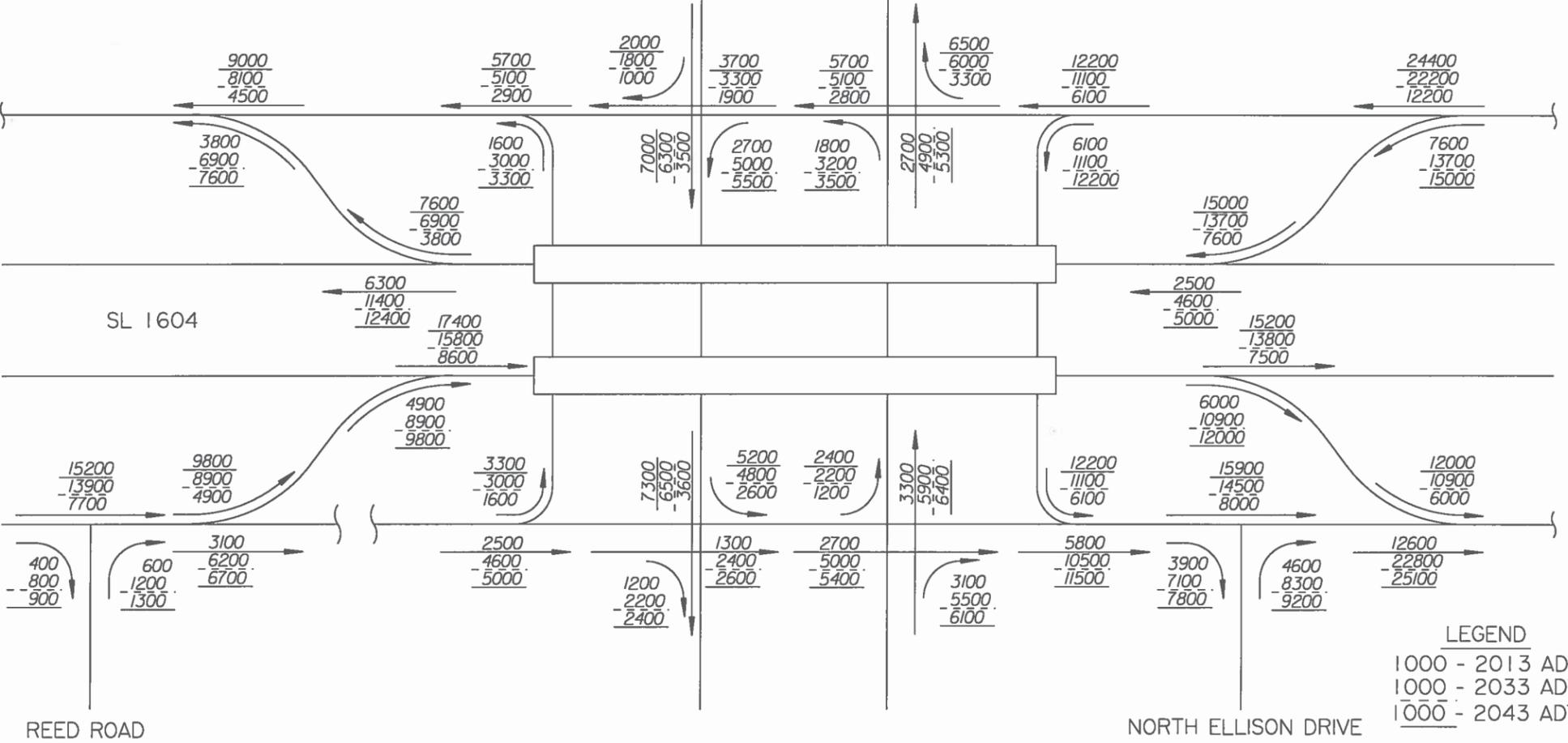
2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION
 FEBRUARY 1, 2013



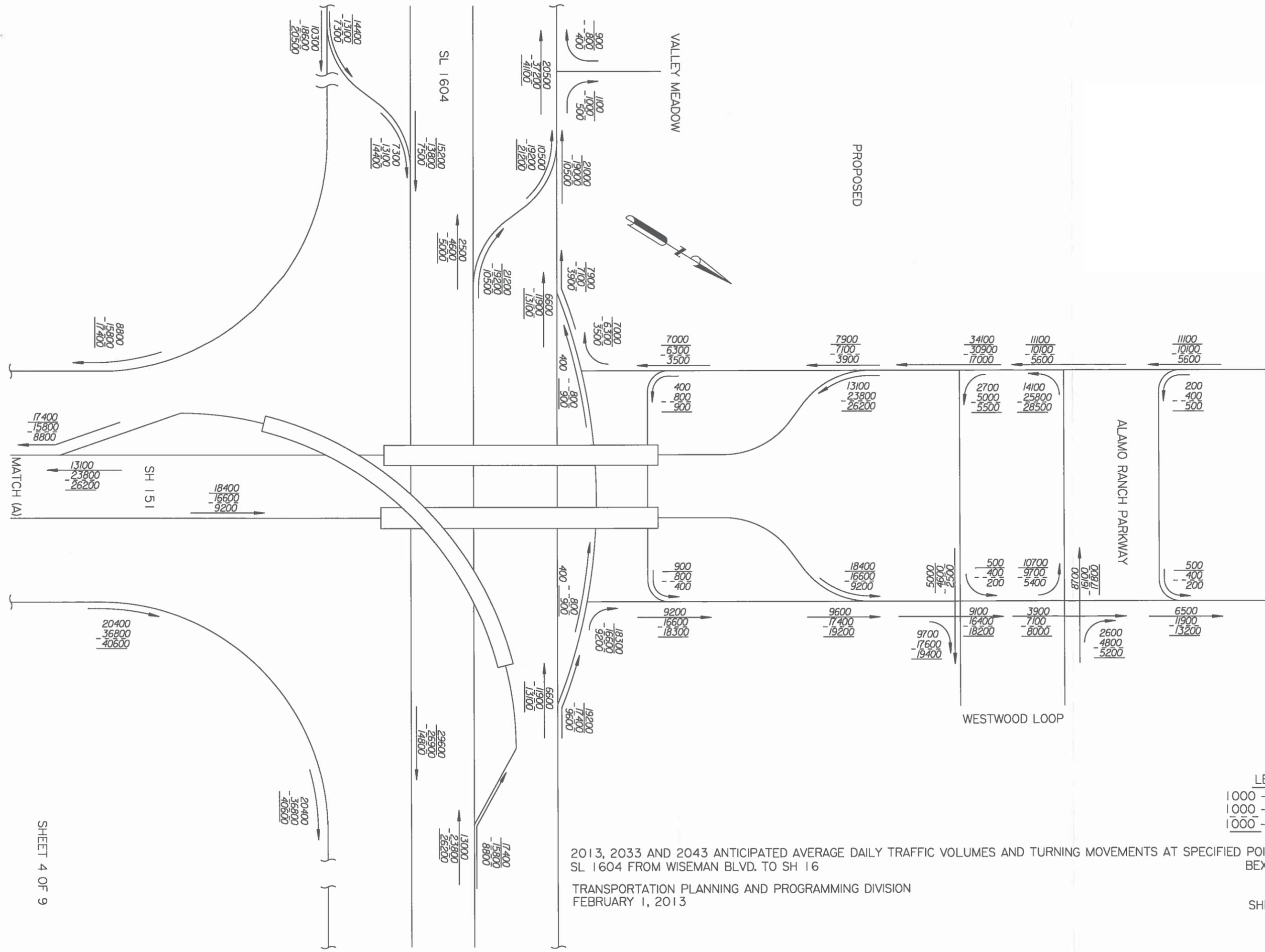
WISEMAN BLVD.

PROPOSED



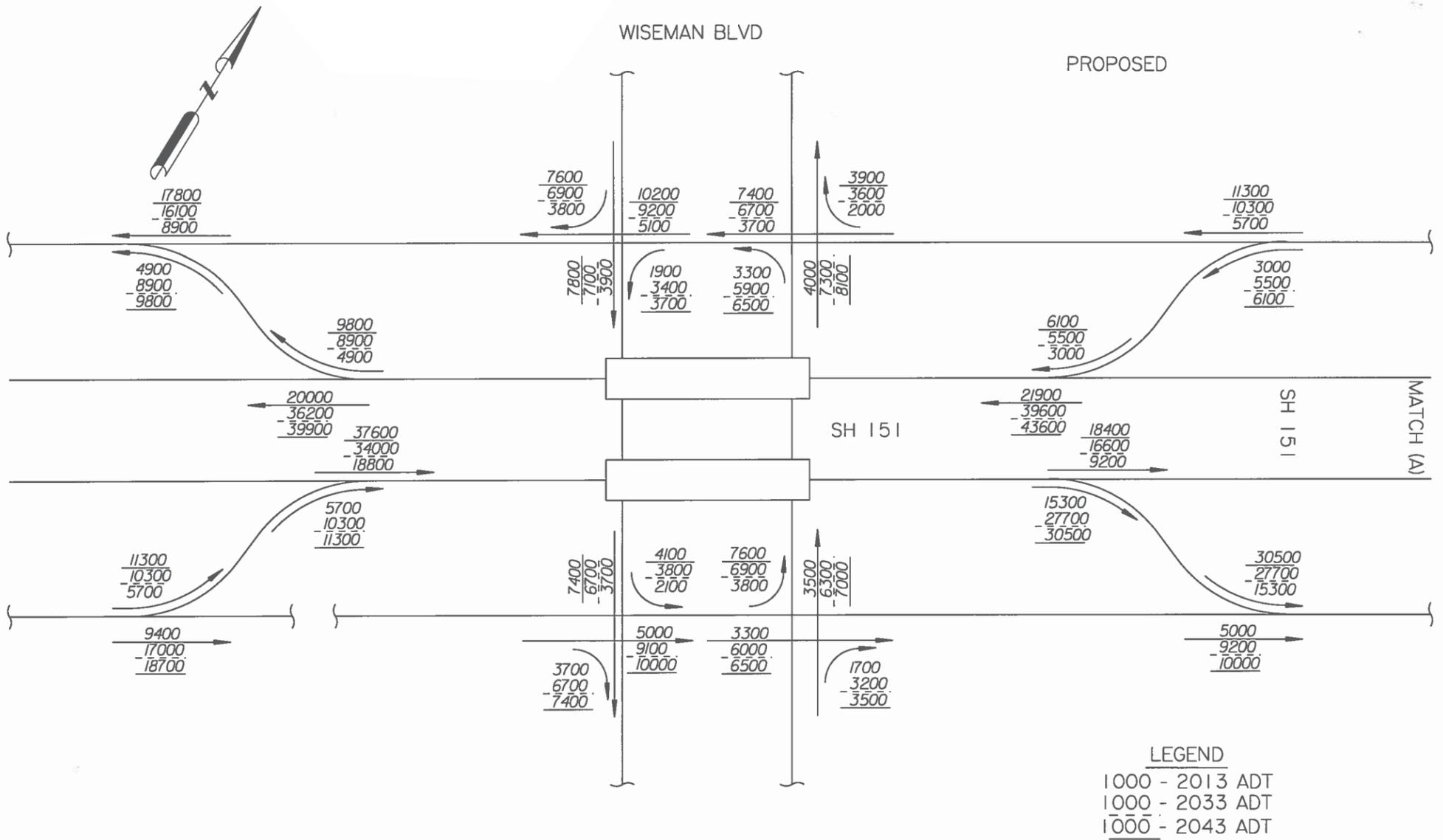
2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION
FEBRUARY 1, 2013



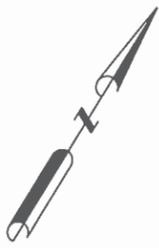
LEGEND
 1000 - 2013 ADT
 1000 - 2033 ADT
 1000 - 2043 ADT

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



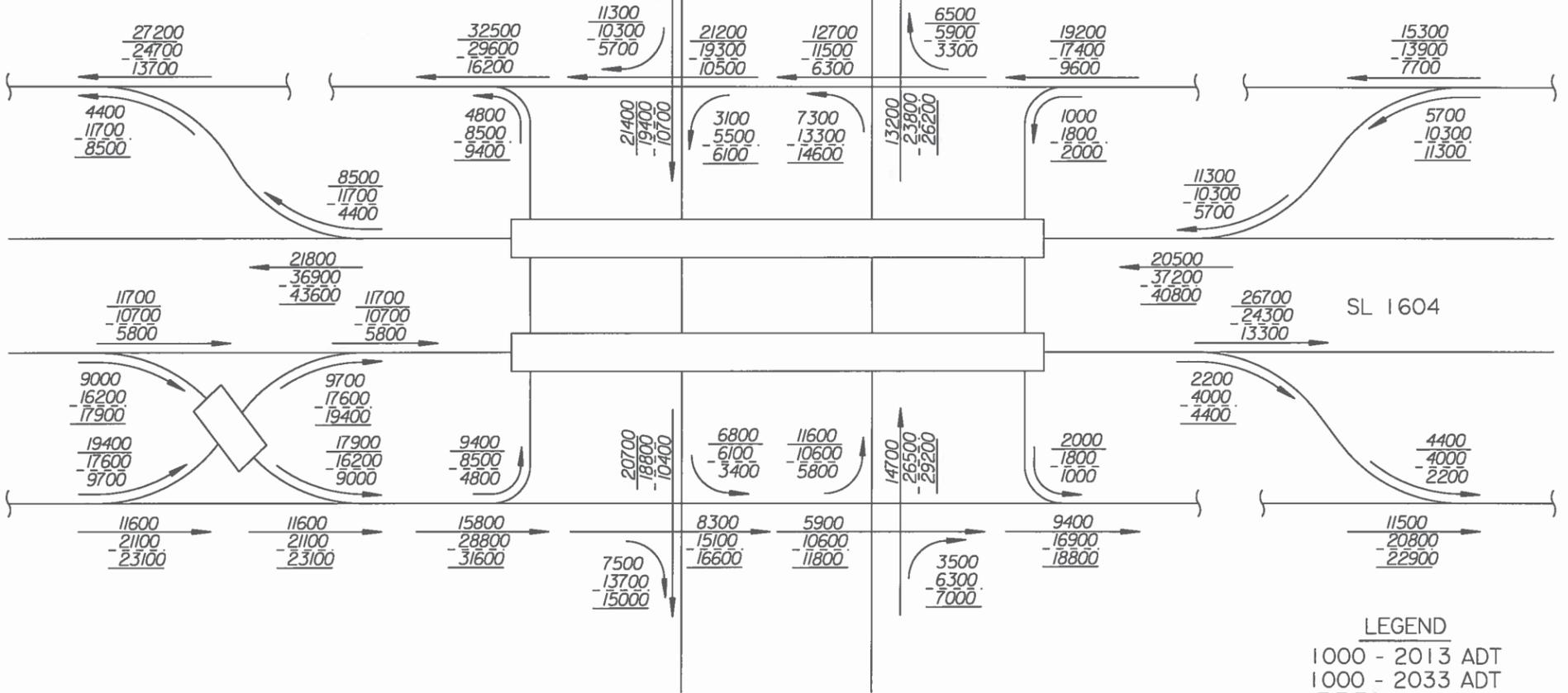
2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION
 FEBRUARY 1, 2013



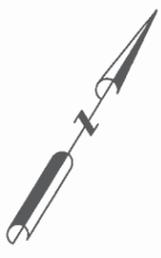
FM 471 / CULEBRA ROAD

PROPOSED



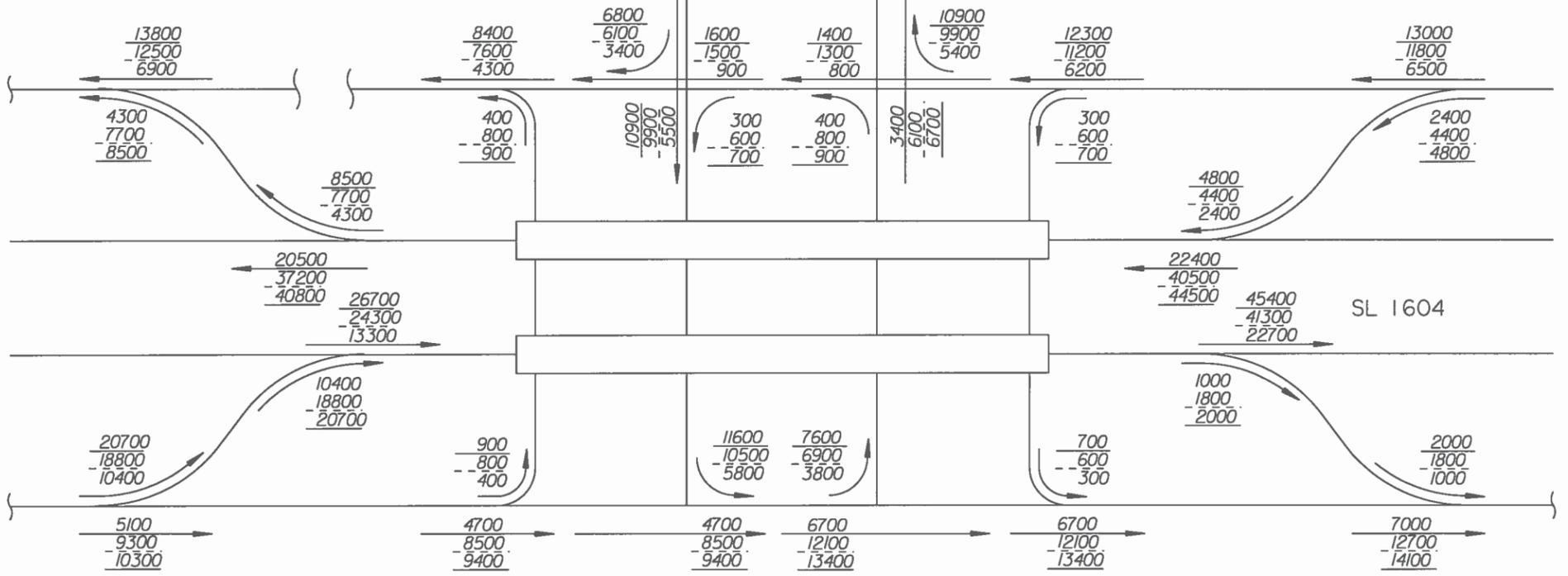
2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

TRANSPORTATION PLANNING AND PROGRAMMING DIVISION
FEBRUARY 1, 2013



SHAENFIELD

PROPOSED

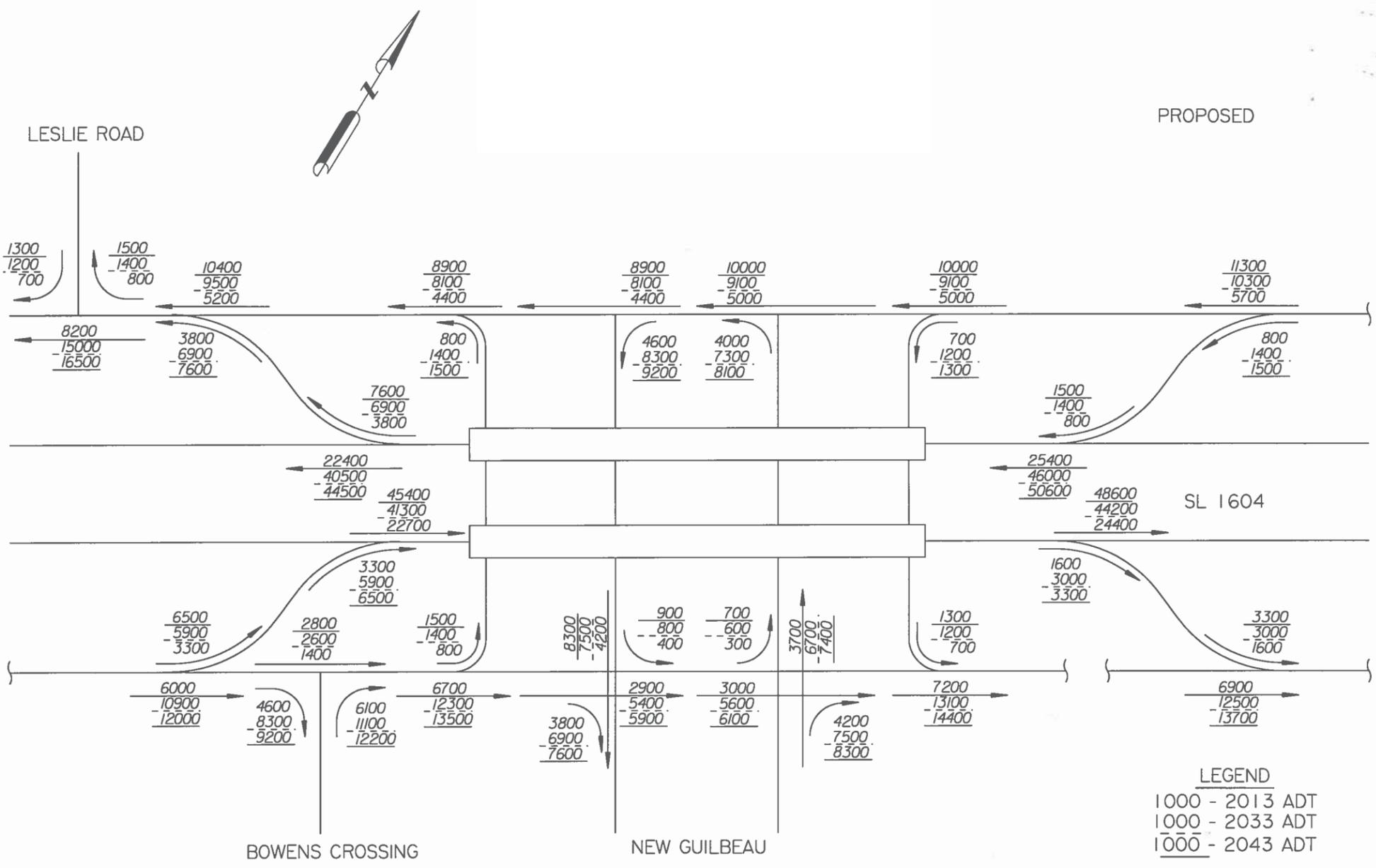


LEGEND

- 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

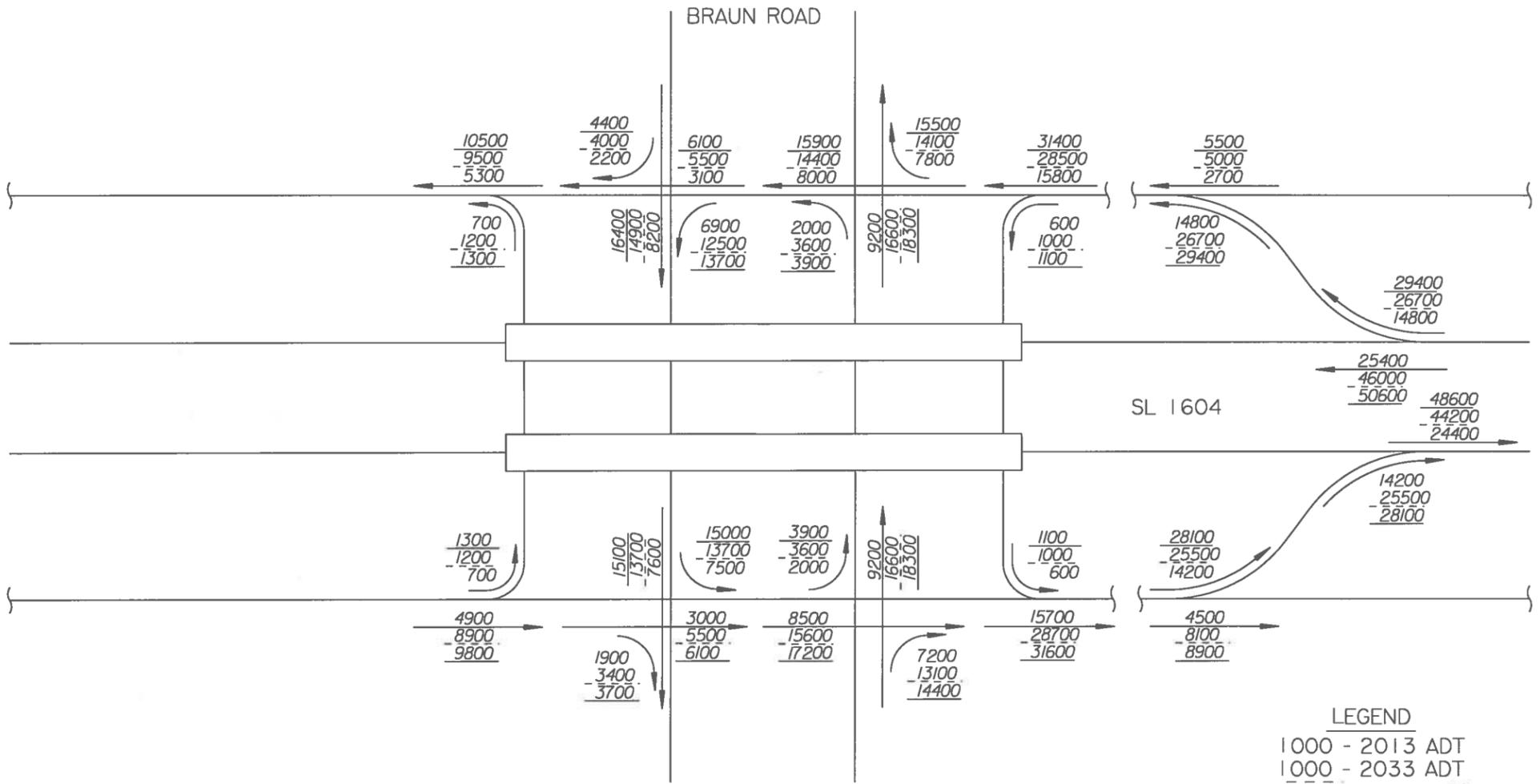
TRANSPORTATION PLANNING AND PROGRAMMING DIVISION
FEBRUARY 1, 2013



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

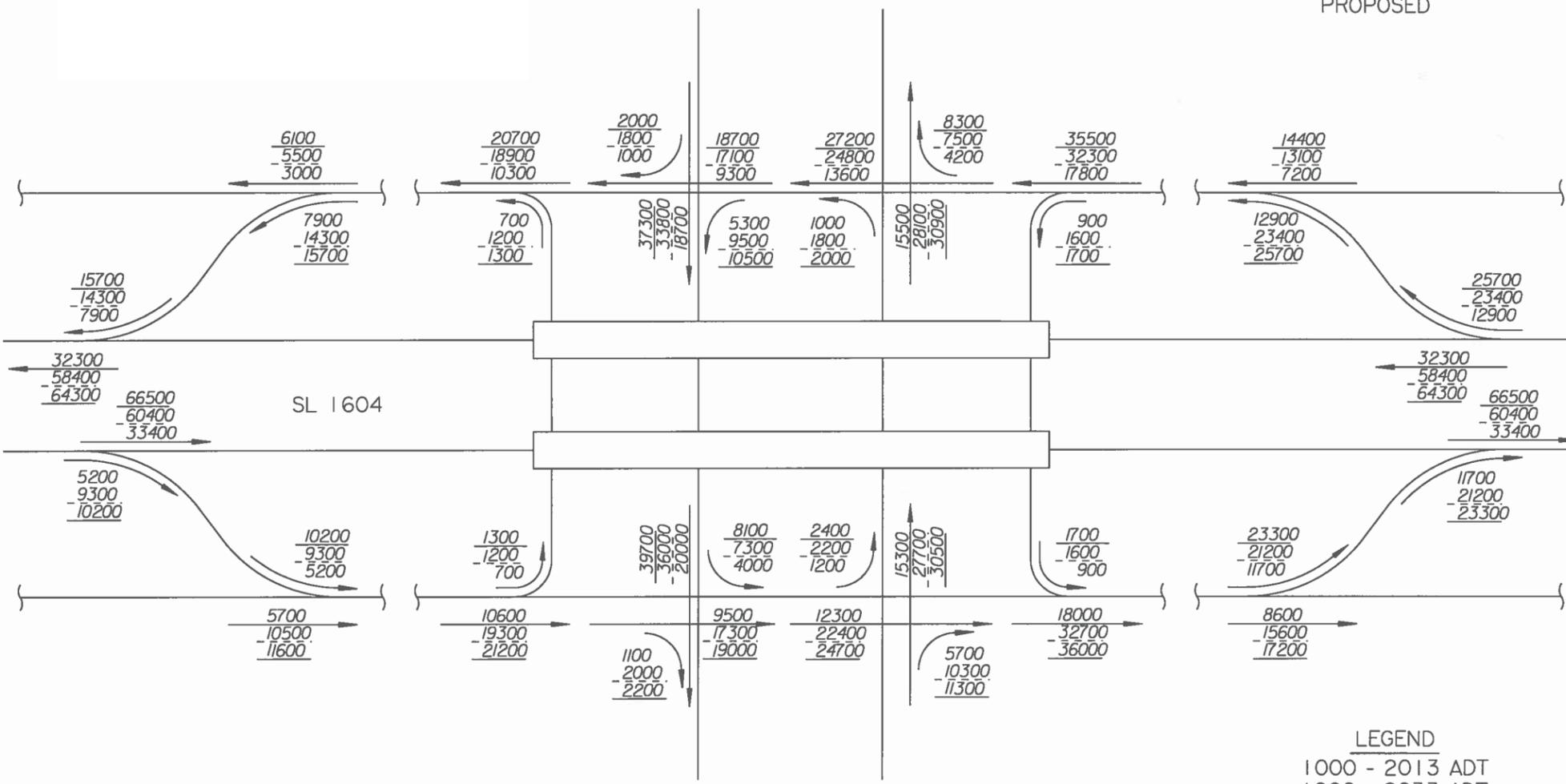
2013, 2033 AND 2043 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG SL 1604 FROM WISEMAN BLVD. TO SH 16 BEXAR COUNTY

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												
Data for Use in Air & Noise Analysis													
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												
<u>SL 1604 Existing</u> <u>Section 1</u> 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								
SL 1604 Existing													
Section 2													
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"	
Data for Use in Air & Noise Analysis													
Vehicle Class	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								
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"	
Data for Use in Air & Noise Analysis													
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								
SL 1604 Proposed													
Section 2													
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"	
Data for Use in Air & Noise Analysis													
Vehicle Class													
	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								
SL 1604 Proposed													
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"	