APPENDIX I: Traffic Data

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **November 8, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 1/Mainlanes/ Option C Section 1 From US 75 To Direct Connectors, Northeast of US 75 Collin County	29,800	45,700	54 - 46	11.6	7.7	5.1	12,000	30	7,564,000	3	9,632,000	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	92.3	94.9
Medium Duty	3.9	2.6
Heavy Duty	3.8	2.5

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 1/Mainlanes/ Option C Section 1 From US 75 To Direct Connectors, Northeast of US 75 Collin County	29,800	51,600	54 - 46	11.6	7.7	5.1	12,100	30	12,232,500	3	15,577,000	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **November 8, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 1/ Mainlanes/ Option C Section 2 From Direct Connectors, Northeast of US 75 To Ramps, Northeast of Medical Center Dr. Collin County	60,800	93,200	54 - 46	11.6	5.3	3.5	12,200	30	10,674,500	3	13,559,500	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	94.7	96.5
Medium Duty	2.7	1.8
Heavy Duty	2.6	1.7

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 1/ Mainlanes/ Option C Section 2 From Direct Connectors, Northeast of US 75 To Ramps, Northeast of Medical Center Dr. Collin County	60,800	105,300	54 - 46	11.6	5.3	3.5	12,300	30	17,270,000	3	21,937,500	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **November 8, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 1/Mainlanes/ Option C Section 3 From Ramps, Northeast of Medical Center Dr To Steward Rd. Collin County	70,700	108,100	54 - 46	11.6	4.7	3.1	12,200	30	11,013,500	3	13,976,000	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	95.3	96.9
Medium Duty	2.4	1.6
Heavy Duty	2.3	1.5

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 1/Mainlanes/ Option C Section 3 From Ramps, Northeast of Medical Center Dr To Steward Rd. Collin County	70,700	122,100	54 - 46	11.6	4.7	3.1	12,300	30	17,814,000	3	22,606,000	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **November 8, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 1/ Mainlanes/Option C Section 4 From Stewart Rd. To Private Drive Collin County	55,600	85,100	54 - 46	11.6	5.6	3.7	12,200	30	10,295,500	3	13,083,500	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	94.4	96.3
Medium Duty	2.8	1.8
Heavy Duty	2.8	1.9

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 1/ Mainlanes/Option C Section 4 From Stewart Rd. To Private Drive Collin County	55,600	96,300	54 - 46	11.6	5.6	3.7	12,300	30	16,672,500	3	21,188,000	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **November 8, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 1/ Mainlanes/Option C Section 5 From Private Rd. To North of Greenville Rd. Collin County	42,800	65,600	54 - 46	11.6	5.8	3.8	12,100	30	8,211,000	3	10,437,000	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	94.2	96.2
Medium Duty	2.9	1.9
Heavy Duty	2.9	1.9

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 1/ Mainlanes/Option C Section 5 From Private Rd. To North of Greenville Rd. Collin County	42,800	74,200	54 - 46	11.6	5.8	3.8	12,100	30	13,293,500	3	16,898,000	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **November 8, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 1 / Frontage Road/Option C Section 1 From US 75 To West of Medical Center Dr. Collin County	35,400	53,700	54 - 46	11.6	3.4	2.6	11,500	30	3,472,000	3	4,138,500	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	96.6	97.4
Medium Duty	1.7	1.3
Heavy Duty	1.7	1.3

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 1 / Frontage Road/Option C Section 1 From US 75 To West of Medical Center Dr. Collin County	35,400	60,900	54 - 46	11.6	3.4	2.6	11,500	30	5,629,000	3	6,709,500	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **November 8, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 1 / Frontage Road/Option C Section 2 From Medical Center Dr To SH 5 Collin County	17,400	26,300	54 - 46	11.6	3.4	2.6	11,000	30	1,702,500	3	2,029,500	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	96.6	97.4
Medium Duty	1.7	1.3
Heavy Duty	1.7	1.3

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 1 / Frontage Road/Option C Section 2 From Medical Center Dr To SH 5 Collin County	17,400	29,800	54 - 46	11.6	3.4	2.6	11,000	30	2,759,000	3	3,288,500	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **November 8, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 1 /Frontage Rd./ Option C Section 3 From SH 5 To SH 5/McDonald St. Collin County	27,100	41,700	54 - 46	11.6	3.7	2.8	11,300	30	2,910,500	3	3,473,000	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	96.3	97.2
Medium Duty	1.9	1.4
Heavy Duty	1.8	1.4

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 1 /Frontage Rd./ Option C Section 3 From SH 5 To SH 5/McDonald St. Collin County	27,100	47,200	54 - 46	11.6	3.7	2.8	11,400	30	4,715,000	3	5,626,000	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **November 8, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 1 /Frontage rd./ Option C Section 4 From South of Industrial Blvd To Private Rd Collin County	13,500	20,700	54 - 46	11.6	3.7	2.8	10,900	40	1,446,500	3	1,726,500	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	96.3	97.2
Medium Duty	1.9	1.4
Heavy Duty	1.8	1.4

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 1 /Frontage rd./ Option C Section 4 From South of Industrial Blvd To Private Rd Collin County	13,500	23,500	54 - 46	11.6	3.7	2.8	10,900	40	2,348,000	3	2,801,500	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **November 8, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 1/Frontage Rd. / Option C Section 5 From Private Rd. To Future Elm St Collin County	22,600	35,000	54 - 46	11.6	3.5	2.6	11,100	30	2,308,500	3	2,752,500	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	96.5	97.4
Medium Duty	1.8	1.4
Heavy Duty	1.7	1.2

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 1/Frontage Rd. / Option C Section 5 From Private Rd. To Future Elm St Collin County	22,600	39,200	54 - 46	11.6	3.5	2.6	11,200	30	3,715,500	3	4,430,500	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **November 8, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 1/ Frontage Rd. / Option C Section 6 From Future Elm St To North of Greenville Rd Collin County	7,400	11,400	54 - 46	11.6	6.8	5.1	10,900	40	1,443,500	3	1,732,000	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	93.2	94.9
Medium Duty	3.5	2.6
Heavy Duty	3.3	2.5

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 1/ Frontage Rd. / Option C Section 6 From Future Elm St To North of Greenville Rd Collin County	7,400	12,700	54 - 46	11.6	6.8	5.1	10,900	40	2,315,000	3	2,778,000	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **November 8, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 2/Mainlanes/ Option C Section 1 From US 75 To Direct Connectors, Northeast of US 75 Collin County	29,800	45,700	54 - 46	11.6	7.7	5.1	12,000	30	7,564,000	3	9,632,000	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	92.3	94.9
Medium Duty	3.9	2.6
Heavy Duty	3.8	2.5

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 2/Mainlanes/ Option C Section 1 From US 75 To Direct Connectors, Northeast of US 75 Collin County	29,800	51,700	54 - 46	11.6	7.7	5.1	12,100	30	12,247,500	3	15,596,000	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **November 9, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 2/ Mainlanes/ Option C Section 2 From Direct Connectors, Northeast of US 75 To Ramps, Northeast of Medical Center Dr. Collin County	60,800	93,200	54 - 46	11.6	5.3	3.5	12,200	30	10,674,500	3	13,559,500	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	94.7	96.5
Medium Duty	2.7	1.8
Heavy Duty	2.6	1.7

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 2/ Mainlanes/ Option C Section 2 From Direct Connectors, Northeast of US 75 To Ramps, Northeast of Medical Center Dr. Collin County	60,800	105,400	54 - 46	11.6	5.3	3.5	12,300	30	17,280,500	3	21,950,500	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **November 9, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 2/Mainlanes/ Option C Section 3 From Ramps, Northeast of Medical Center Dr To Stewart Rd Collin County	70,500	108,100	54 - 46	11.6	4.7	3.1	12,200	30	11,001,000	3	13,960,500	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	95.3	96.9
Medium Duty	2.4	1.6
Heavy Duty	2.3	1.5

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 2/Mainlanes/ Option C Section 3 From Ramps, Northeast of Medical Center Dr To Stewart Rd Collin County	70,500	122,200	54 - 46	11.6	4.7	3.1	12,300	30	17,805,000	3	22,594,000	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **November 9, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 2/ Mainlanes/Option C Section 4 From Stewart Rd. To Private Drive Collin County	55,500	85,100	54 - 46	11.6	5.6	3.7	12,200	30	10,288,000	3	13,074,500	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	94.4	96.3
Medium Duty	2.8	1.8
Heavy Duty	2.8	1.9

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 2/ Mainlanes/Option C Section 4 From Stewart Rd. To Private Drive Collin County	55,500	96,300	54 - 46	11.6	5.6	3.7	12,300	30	16,661,500	3	21,174,000	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **November 9, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 2/ Mainlanes/Option C Section 5 From Private Rd. To E. University Dr Collin County	46,800	71,800	54 - 46	11.6	5.6	3.7	12,100	30	8,678,500	3	11,028,500	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	94.4	96.3
Medium Duty	2.8	1.8
Heavy Duty	2.8	1.9

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 2/ Mainlanes/Option C Section 5 From Private Rd. To E. University Dr Collin County	46,800	81,200	54 - 46	11.6	5.6	3.7	12,100	30	14,049,500	3	17,854,000	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **November 9, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 2 / Frontage Road/Option C Section 1 From US 75 To Medical Center Dr. Collin County	35,400	53,700	54 - 46	11.6	3.4	2.6	11,500	30	3,472,000	3	4,138,500	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	96.6	97.4
Medium Duty	1.7	1.3
Heavy Duty	1.7	1.3

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 2 / Frontage Road/Option C Section 1 From US 75 To Medical Center Dr. Collin County	35,400	60,900	54 - 46	11.6	3.4	2.6	11,500	30	5,629,000	3	6,709,500	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **November 9, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 2 / Frontage Road/Option C Section 2 From Medical Center Dr To SH 5 Collin County	17,400	26,300	54 - 46	11.6	3.4	2.6	11,000	30	1,702,500	3	2,029,500	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	96.6	97.4
Medium Duty	1.7	1.3
Heavy Duty	1.7	1.3

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 2 / Frontage Road/Option C Section 2 From Medical Center Dr To SH 5 Collin County	17,400	29,800	54 - 46	11.6	3.4	2.6	11,000	30	2,759,000	3	3,288,500	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **November 9, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 2 /Frontage Rd./ Option C Section 3 From SH 5 To SH 5/McDonald St. Collin County	27,200	41,700	54 - 46	11.6	3.7	2.8	11,300	30	2,915,000	3	3,478,000	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	96.3	97.2
Medium Duty	1.9	1.4
Heavy Duty	1.8	1.4

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 2 /Frontage Rd./ Option C Section 3 From SH 5 To SH 5/McDonald St. Collin County	27,200	47,200	54 - 46	11.6	3.7	2.8	11,400	30	4,721,500	3	5,633,500	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **November 9, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 2 /Frontage rd./ Option C Section 4 From South of Industrial Blvd To Private Rd Collin County	13,600	20,700	54 - 46	11.6	3.7	2.8	10,900	40	1,451,000	3	1,731,500	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	96.3	97.2
Medium Duty	1.9	1.4
Heavy Duty	1.8	1.4

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 2 /Frontage rd./ Option C Section 4 From South of Industrial Blvd To Private Rd Collin County	13,600	23,400	54 - 46	11.6	3.7	2.8	10,900	40	2,348,000	3	2,801,500	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **November 9, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 2/Frontage Rd. / Option C Section 5 From Private Rd. To Future Elm St Collin County	21,900	33,600	54 - 46	11.6	3.2	2.4	11,100	30	2,039,000	3	2,428,500	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	96.8	97.6
Medium Duty	1.6	1.2
Heavy Duty	1.6	1.2

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 2/Frontage Rd. / Option C Section 5 From Private Rd. To Future Elm St Collin County	21,900	38,000	54 - 46	11.6	3.2	2.4	11,100	30	3,301,500	3	3,932,000	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **November 9, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 2/ Frontage Rd. / Option C Section 6 From Future Elm St To North of Future Elm Collin County	5,000	7,800	54 - 46	11.6	8.0	6.0	10,800	40	1,153,500	3	1,385,500	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	92.0	94.0
Medium Duty	4.1	3.1
Heavy Duty	3.9	2.9

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario West 2/ Frontage Rd. / Option C Section 6 From Future Elm St To North of Future Elm Collin County	5,000	8,900	54 - 46	11.6	8.0	6.0	10,900	40	1,879,500	3	2,257,000	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **October 27, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario East-Option C/ Mainlanes Section 1 From US 75 To Direct Connector, Northeast of US 75 Collin County	29,800	45,700	54 - 46	11.6	7.7	5.1	12,000	30	7,564,000	3	9,632,000	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	92.3	94.9
Medium Duty	3.9	2.6
Heavy Duty	3.8	2.5

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario East-Option C/ Mainlanes Section 1 From US 75 To Direct Connector, Northeast of US 75 Collin County	29,800	51,600	54 - 46	11.6	7.7	5.1	12,100	30	12,232,500	3	15,577,000	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **October 27, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/Scenario East/Option C/Mainlanes Section 2 From Direct Connectors, Northeast of US 75 To Ramps, Northeast of Medical Center Dr. Collin County	60,800	93,200	54 - 46	11.6	5.3	3.5	12,200	30	10,674,500	3	13,559,500	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	94.7	96.5
Medium Duty	2.7	1.8
Heavy Duty	2.6	1.7

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/Scenario East/Option C/Mainlanes Section 2 From Direct Connectors, Northeast of US 75 To Ramps, Northeast of Medical Center Dr. Collin County	60,800	105,300	54 - 46	11.6	5.3	3.5	12,300	30	17,270,000	3	21,937,500	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **October 27, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario East/ Option C/Mainlanes Section 3 From Ramps, Northeast of Medical Center Dr. To Stewart Rd. Collin County	70,700	108,100	54 - 46	11.6	4.7	3.1	12,200	30	11,013,500	3	13,976,000	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	95.3	96.9
Medium Duty	2.4	1.6
Heavy Duty	2.3	1.5

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario East/ Option C/Mainlanes Section 3 From Ramps, Northeast of Medical Center Dr. To Stewart Rd. Collin County	70,700	122,100	54 - 46	11.6	4.7	3.1	12,300	30	17,814,000	3	22,606,000	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **October 27, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario East/ Option C/ Mainlanes Section 4 From Stewart Rd. To Harry McKillop Blvd East Collin County	57,500	87,800	54 - 46	11.6	5.5	3.6	12,200	30	10,445,000	3	13,272,000	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	94.5	96.4
Medium Duty	2.8	1.8
Heavy Duty	2.7	1.8

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario East/ Option C/ Mainlanes Section 4 From Stewart Rd. To Harry McKillop Blvd East Collin County	57,500	99,100	54 - 46	11.6	5.5	3.6	12,300	30	16,886,500	3	21,456,500	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **October 27, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario East/ Option C/ mainlanes Section 5 From Harry McKillop Blvd East To Old Enloe Rd. Collin County	35,800	54,000	54 - 46	11.6	6.9	4.6	12,100	30	8,072,500	3	10,273,000	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	93.1	95.4
Medium Duty	3.5	2.3
Heavy Duty	3.4	2.3

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario East/ Option C/ mainlanes Section 5 From Harry McKillop Blvd East To Old Enloe Rd. Collin County	35,800	61,300	54 - 46	11.6	6.9	4.6	12,100	30	13,093,500	3	16,662,500	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **October 27, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario East/ Option C/ Mainlanes Section 6 From Old Enloe Rd. To North of Enloe Rd. Collin County	44,500	67,900	54 - 46	11.6	5.8	3.8	12,100	30	8,514,000	3	10,822,000	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	94.2	96.2
Medium Duty	2.9	1.9
Heavy Duty	2.9	1.9

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario East/ Option C/ Mainlanes Section 6 From Old Enloe Rd. To North of Enloe Rd. Collin County	44,500	76,900	54 - 46	11.6	5.8	3.8	12,100	30	13,793,500	3	17,533,500	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **October 27, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario East/Frontage Road/ Option C Section 1 From US 75 To Medical Center Dr. Collin County	35,400	53,700	54 - 46	11.6	3.4	2.6	11,500	30	3,472,000	3	4,138,500	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	96.6	97.4
Medium Duty	1.7	1.3
Heavy Duty	1.7	1.3

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario East/Frontage Road/ Option C Section 1 From US 75 To Medical Center Dr. Collin County	35,400	60,900	54 - 46	11.6	3.4	2.6	11,500	30	5,629,000	3	6,709,500	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **October 27, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario East /Frontage Road/ Option C Section 2 From Medical Center Dr To SH 5 Collin County	17,400	26,300	54 - 46	11.6	3.4	2.6	11,000	30	1,702,500	3	2,029,500	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	96.6	97.4
Medium Duty	1.7	1.3
Heavy Duty	1.7	1.3

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario East /Frontage Road/ Option C Section 2 From Medical Center Dr To SH 5 Collin County	17,400	29,800	54 - 46	11.6	3.4	2.6	11,000	30	2,759,000	3	3,288,500	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **October 27, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario East /Frontage Rd./ Option C Section 3 From SH 5 To SH 5/McDonald St. Collin County	22,700	35,200	54 - 46	11.6	3.5	2.6	11,100	30	2,320,500	3	2,767,000	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	96.5	97.4
Medium Duty	1.8	1.4
Heavy Duty	1.7	1.2

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario East /Frontage Rd./ Option C Section 3 From SH 5 To SH 5/McDonald St. Collin County	22,700	39,900	54 - 46	11.6	3.5	2.6	11,200	30	3,763,500	3	4,487,500	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **October 27, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario East / Frontage Road/Option C Section 4 From Harry McKillop Blvd West To Harry McKillop Blvd East Collin County	13,300	20,600	54 - 46	11.6	3.8	2.9	10,900	40	1,471,500	3	1,756,500	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	96.2	97.1
Medium Duty	1.9	1.4
Heavy Duty	1.9	1.5

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario East / Frontage Road/Option C Section 4 From Harry McKillop Blvd West To Harry McKillop Blvd East Collin County	13,300	23,400	54 - 46	11.6	3.8	2.9	10,900	40	2,390,000	3	2,853,000	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **October 27, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario East / Frontage Road/Option C Section 5 From Harrry McKillop Blvd East To FM 546 / CR 317 Collin County	37,100	60,400	54 - 46	11.6	3.5	2.6	11,600	30	3,908,000	3	4,660,000	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	96.5	97.4
Medium Duty	1.8	1.4
Heavy Duty	1.7	1.2

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario East / Frontage Road/Option C Section 5 From Harrry McKillop Blvd East To FM 546 / CR 317 Collin County	37,100	68,200	54 - 46	11.6	3.5	2.6	11,700	30	6,331,000	3	7,549,000	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **October 27, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario East /Frontage Road/ Option C Section 6 From FM 546/CR 317 To Ramps, North of Old Enloe Rd. Collin County	18,400	31,100	54 - 46	11.6	3.8	2.9	11,100	30	2,149,000	3	2,565,000	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	96.2	97.1
Medium Duty	1.9	1.4
Heavy Duty	1.9	1.5

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario East /Frontage Road/ Option C Section 6 From FM 546/CR 317 To Ramps, North of Old Enloe Rd. Collin County	18,400	35,000	54 - 46	11.6	3.8	2.9	11,100	30	3,477,500	3	4,151,000	8"

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN (OPTION C)

Dallas District **October 27, 2021**

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2050	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2030 to 2050) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario East / Frontage Road/Option C Section 7 From Ramps, North of Old Enloe Rd To North of Enloe Rd Collin County	3,200	4,900	54 - 46	11.6	9.4	7.1	10,600	40	856,000	3	1,029,000	8"

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year % of ADT	Base Year % of DHV
Light Duty	90.6	92.9
Medium Duty	4.8	3.6
Heavy Duty	4.6	3.5

Description of Location	Average Daily Traffic 2030	Average Daily Traffic 2060	Base Year Dir Dist %	Base Year K Factor	Base Year Percent Trucks ADT	Base Year Percent Trucks DHV	ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2030 to 2060) Flexible Pavement	S N	Rigid Pavement	SLAB
Spur 399/ Scenario East / Frontage Road/Option C Section 7 From Ramps, North of Old Enloe Rd To North of Enloe Rd Collin County	3,200	5,700	54 - 46	11.6	9.4	7.1	10,700	40	1,411,000	3	1,696,500	8"

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Texas Department of Transportation

MEMO

August 11, 2021

To: Transportation Planning & Programming Division
David Freidenfeld

Through: John Hudspeth, P.E.
Dallas Director of Transportation Planning and Development, TP&D

Through: Dan Perge, P.E.
Dallas District Environmental (DAL-ENV) Director

From: Grace Lo, P.E.
Transportation Engineer Supervisor, PDO

Stephen Endres, P.E.
Project Manager, PDO

Subject: Traffic Request for ESALs (Option-C)
CSJ: 0364-04-051
Spur 399
From US 75 to US 380, Collin County

The attached traffic projections and traffic methodology were prepared by Kimley Horn, and reviewed by TTI for QA/QC. The Dallas District approves the traffic methodology and line diagrams. The line diagrams depict 2030, 2050, and 2060 anticipated average daily traffic and turning movements for the proposed corridor improvements.

We request TPP to develop the noise, air and pavement data for this project.

If any additional information is needed, please contact Stephen Endres, P.E. at (214)-320-6628 or Tim Wright at (214) 319-6477.

Attachments

CC: Stephen Endres, P.E.
Tim Wright
C-5E, – (APD Traffic Data file, request date 8/11/2021

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Traffic Projections Methodology Memorandum

Spur 399 Extension

CSJ: 0364-04-051

January 15, 2021

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

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Appendix A – Historical Count and Growth Rates
Appendix B – US Census Data
Appendix C – TPP Corridor Packet
Appendix D – Traffic Counts

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1. Introduction

The Texas Department of Transportation (TxDOT), Dallas District, has identified the need to analyze potential roadway alternatives for SPUR 399 extension from US 75 to US 380 in Collin County. The corridors will include a freeway with frontage roads typical section. The overall length of the study corridor is approximately 12.5 miles with 27 existing study intersections. The traffic projections methodology incorporates and addresses the existing and historical traffic data, travel demand model volumes, growth rates, peak hour factor (K), directional distribution (D), and percentage of trucks (T) factor for the study corridor. **Figure 1-1** shows the corridor and the study intersections. Traffic data was collected at the study intersections in February 2020, prior to COVID-19. This study projects traffic for future years (2030, 2050, and 2060). Recent traffic reductions due to COVID-19 are not considered for the purposes of this long-term schematics study. Additionally, per the North Central Texas Council of Governments (NCTCOG), daily freeway volumes are going up and are currently 93% of pre-COVID levels.

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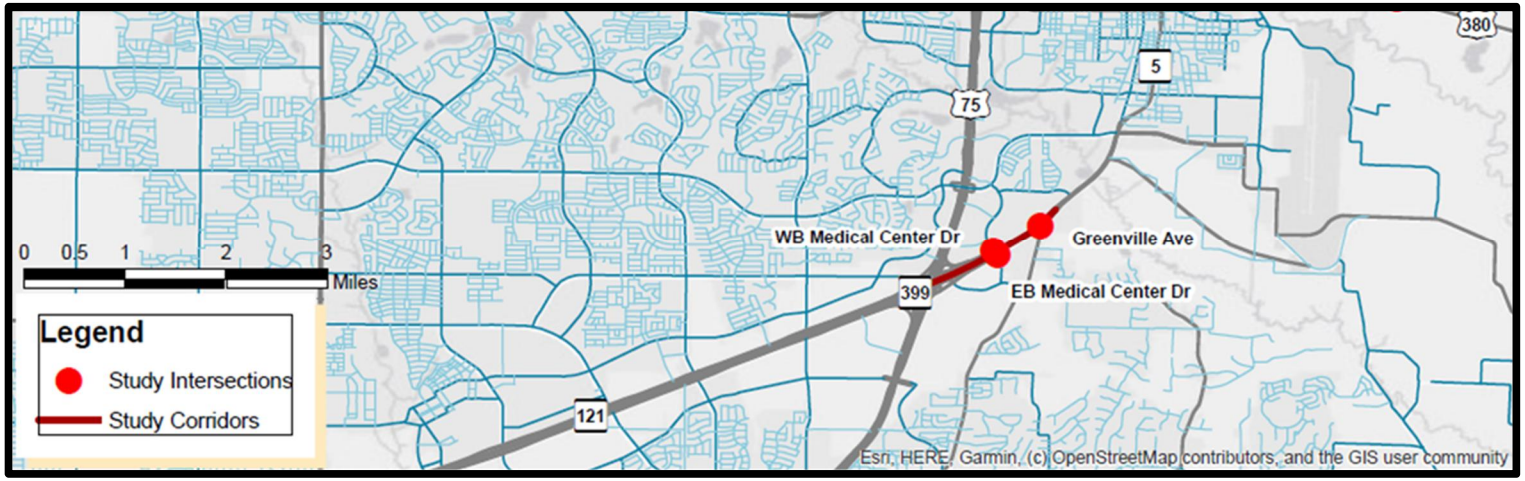
Figure 1-1. Study Corridor and Intersections Map



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2. TxDOT TPP Standard Methodology

The methods outlined in this section were evaluated in developing the Average Daily Traffic (ADT) and peak hour traffic projections for the study corridor and intersections. These traffic projections will be used to analyze and design appropriate roadway improvements.

TxDOT's Transportation Planning and Programming (TPP) Division uses the Pivot Method when calculating the ADTs used for Travel Analysis for Highway Design (TAHD) and for turning movements. The Pivot Year is the last year the initial growth rate (≤ 20-Yr G.R.) is used. The Pivot Year is the Count Year + 20 Years. Since new traffic counts were conducted in 2020, the Count Year is 2020, and the Pivot Year is 2040. The other Standard analysis years include the Base Year (2030), the 20-year Design Year (2050), and the 30-year Pavement Design Year (2060). The methodology documented checks growth rates conforming to the following equations (1) through (5) below, per TPP standard methodology.

$$(1)\ \text{Analysis Year ADT} = \times \left[1 + (\text{Analysis Year-Count Year}) \times \left(\frac{\leq 20\ \text{Year G.R}}{100}\right)\right]$$

Next the 20-year design year ADT will include the growth rate up to the Pivot Year plus the growth rate after pivot year up to the Design Year such that:

$$(2)\ \text{Design Year ADT} = (\text{Count Year ADT}) \times \left[1 + (\text{Pivot Year-Count Year}) \times \left(\frac{\leq 20\ \text{Year G.R}}{100}\right) + (\text{20 Year Design Year-Pivot Year}) \times \left(\frac{> 20\ \text{Year G.R}}{100}\right)\right]$$

After the Growth Rate is calculated for each location, and if it is determined that this Standard is violated, one or more of the ADTs is adjusted (either up or down) by 50 (or 10 for low volumes) as many times as needed until the Standard is met.

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3. Growth Rate Calculations

3.1 Historical Growth Rate Calculation

TxDOT's Traffic Count Database System (TCDS) was used to obtain historical traffic data. Historical traffic counts along Spur 399 from the TCDS were used to calculate the historical growth rate. This data is presented in **Appendix A – Historical Count and Growth Rates.** The historical growth rate was determined to be 6.2% for Spur 399. The traditional linear regression analysis showed a growth rate of 2%.

3.2 Corridor Future Growth Rate

NCTCOG had provided their Travel Demand Model (TDM) for the years 2017, 2027, 2040, and 2045. This data is presented in **Appendix A – Historical Count and Growth Rates**. As part of the growth rate determination task, no changes were made to the TDM. The model growth rate from 2017 to 2027 was determined to be 3.9% for Spur 399. The model growth rate from 2017 to 2040 was determined to be 2.2% for Spur 399. The model growth rate from 2017 to 2045 was determined to be 2.6% for Spur 399

3.3 Corridor Growth Rate Adjustments

Based on projected demographics and growth predicted by the travel demand model, the historical growth rate of 5% along Spur 399 was determined to be acceptable for sustained growth till the pivot year (2040). These growth rates are higher than the growth rate of 2% based on linear regression analysis. The reasons for using these higher growth rates are:

- Spur 399 will be extended and upgraded from an arterial to a six-lane freeway. There is an inherent increase in traffic volumes when a facility is upgraded from an arterial to a freeway. A similar east-west facility within Collin County is the Sam Rayburn Tollway (SRT). The traffic volumes on SRT increased by about 30% the year it was converted from an arterial to a tollway. After being converted to a tollway, traffic has been increasing by an average of 10% per year. Historical traffic data for SRT is presented in **Appendix A – Historical Counts and Growth Rates**.
- The historical traffic growth rates per year were higher than 5% along Spur 399. Historical traffic data along Spur 399 is presented in **Appendix A – Historical Counts and Growth Rates**.
- The historic population growth based on the US Census Bureau is 5.8% for McKinney. US Census Bureau information is provided in **Appendix B – US Census Data**.
- Per the Texas State Demographer, Collin County population growth is projected to increase 166% from year 2018 through year 2040 or 7.5% per year.

The adjusted annual growth rate for the years after the pivot year (2040) was determined to be 3.0%. Using these growth rates,
Equation (1) for this project simplifies to equation (3) for Base Year ADT:

Spur 399:

(3) Base Year (2030) ADT=(2020 ADT)×[1+(2030-2020)×(5.00%)]

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Equation (2) for this project simplifies to equation (4) for Design Year (2050) ADT and to equation (5) for Pavement Design Year (2060) ADT:

Spur 399:

(4) Design Year (2050) ADT=(2020 ADT)×[1+(2040-2020)×(5.00%)+(2050-2040)×(3.0%)]

Spur 399:

(5) Pavement Design Year (2060) ADT

=(2020 ADT)×[1+(2040-2020)×(5.00%)+(2060-2040)×(3.0%)]

Figure 3-1 describes the corridor growth rates and growth factors for each period.

Figure 3-1: Spur 399 Corridor Growth Rates

Highway	Year 2020-2030		Year 2020-2050		Year 2020-2060		Year 2050 Average Daily Traffic Projection
	AGR	GF	AGR	GF	AGR	GF	
Spur 399	5%	1.5	4.3%	2.3	4%	2.6	87,200

AGR=Average Linear Growth Rate; GF=Growth Factor

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4. Estimating K, D, and T Factors

The K-values (K = 10.4%) for Spur 399 was taken from the TxDOT's ATR Station Data. This data is presented in the **Appendix C – TPP Corridor Packet**. The directional distribution based on field observations and 24-hour traffic counts is 60% for Spur 399. The AM peak direction is southbound/westbound. The PM peak direction is northbound/eastbound. Truck percentages and classification mixtures (heavy duty, medium duty, and light duty) were based on TCDS data and the traffic count data collected in February 2020 as part of this study. The truck percentage factor was determined to be 10%.

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5. Summary of Corridor Projected Volumes

The base year (2030), design year (2050), and pavement design year (2060) ADT volumes will be developed by applying growth rates from Figure 3-1 to the equations provided in the *TxDOT TPP Standard Methodology* section.

The K, D and T factors will be applied to the ADTs to develop the projected AM/PM peak hour volumes for the study intersections for the years 2030, 2050, and 2060. The turning movement counts collected will be converted to percentages that are applied to the 24-hour traffic count. The traffic counts are included in Appendix D – Traffic Counts.

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6. New Location Traffic Projections

This study will evaluate corridor alternatives along existing and proposed, non-existing routes, as shown in **Figure 6-1**. Traffic projections will be developed using an origin-destination (O-D) matrix and diversion analysis for the new location route. This methodology is consistent with the "Corridor Analysis Standard Operating Procedures by Transportation Planning and Programming" dated October 2018. The steps are detailed below:

1. Create an existing corridor network of mainlanes, arterial cross streets, frontage roads and interchanges. The origin-destinations (O-Ds) of the Spur 399 network are the mainlanes and frontage roads on the east and west ends of the study corridor and the arterials on either side of the interchanges within the corridor.
2. Add the base year 2020 traffic counts for mainlanes, ramps, frontage roads and arterials into the network as target volumes.
3. Run an O-D matrix estimation (ODME) algorithm to generate a trip table.
4. Assign the 2020 O-D trip table to the existing network. Verify that 2020 assigned model volumes match the 2020 traffic counts.
5. Using the 2020 O-D matrix and growth factors, develop O-D matrices for years 2030, 2050, and 2060. Assign forecast year O-D matrices to the proposed roadway network to determine link volumes. Compare volumes from the base year and forecasting years for reasonableness and consistency. Consider dominant land uses and special generators to determine trip productions and attractions.
6. Derive turning movement volumes from the traffic assignment by assigning the O-D matrix to the roadway network.

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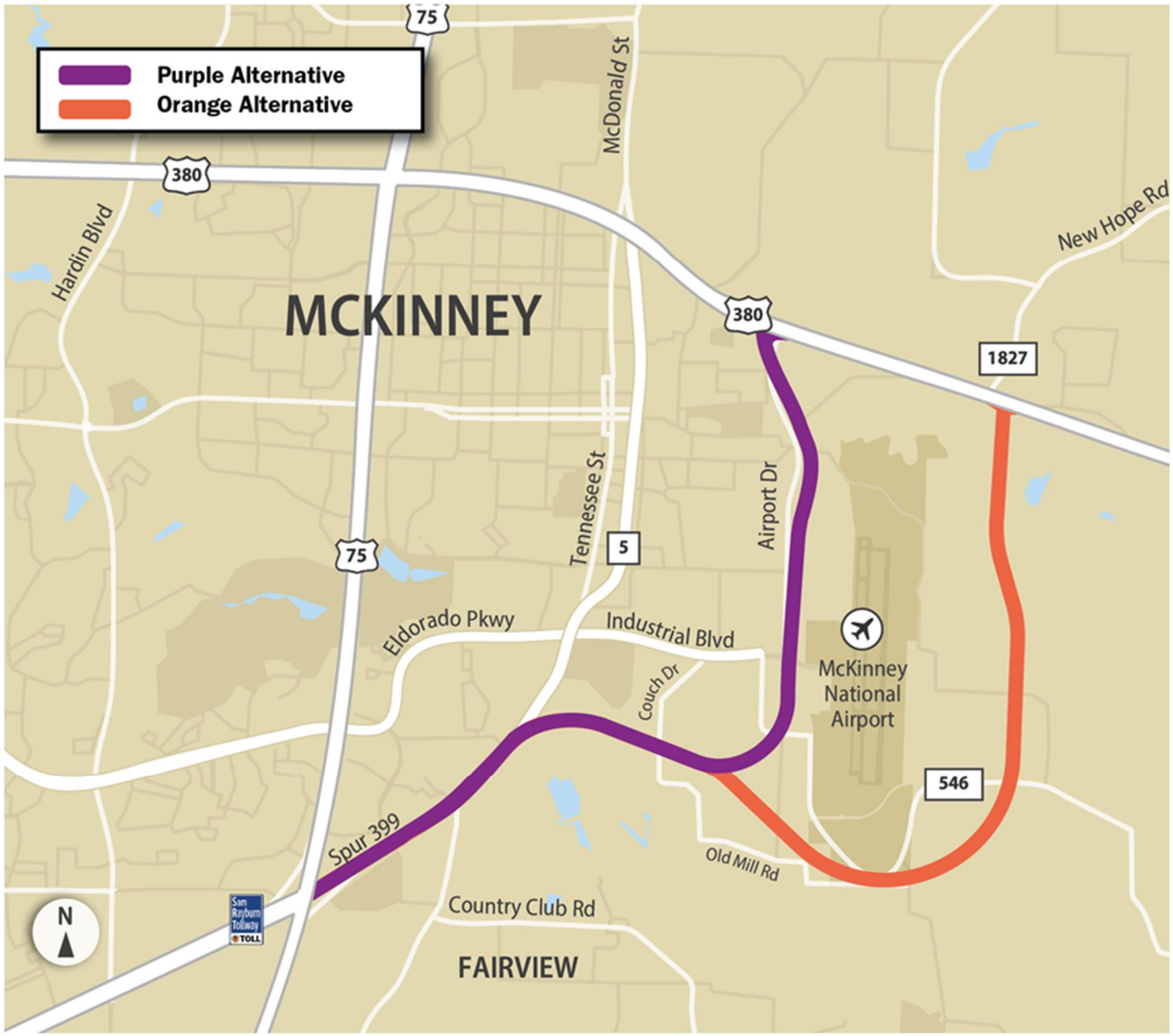
Figure 6-1: Potential Alternatives – Spur 399



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APPENDIX A – HISTORCIAL COUNTS AND GROWTH RATES

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TCDS Outputs

Location	Year	AADT	DHV-30	K%	D%	PA	BC	Volume Trend
Woodlawn Road	2018	31,068	2,768	9	61	28,785 (93%)	2,283 (7%)	8%
	2017	28,723	2,611	9	61	26,019 (91%)	2,704 (9%)	-3%
	2016	29,570	2,969	10	61	27,265 (92%)	2,305 (8%)	7%
	2015	27,558	2,532	9	62	25,334 (92%)	2,224 (8%)	7%
	2014	25,743	2,320	10	52	23,765 (92%)	1,933 (8%)	12%
	2013	22,908	2,043	9	59			-5%
	2012	24,000	3,394	10	51	22,200 (93%)	1,800 (8%)	0%
	2011	24,000	3,893	10	56	24,840 (104%)	2,160 (9%)	9%
	2010	22,000						-4%
	2009	23,000						10%
	2008	21,000						-25%
	2007	28,000						0%
	2006	28,000						-7%
	2005	30,000						11%
	2004	27,000						0%
	2003	27,000						0%
	2002	27,000						4%
	2001	26,000						13%
	2000	23,000						10%
	1999	21,000						
							Annual Growth 1999 - 2018:	2.52%

Location	Year	AADT	DHV-30	K%	D%	PA	BC	Volume Trend
Spur 399 at SH 05	2018	34,068	2,988	9	58	33,650 (99%)	418 (1%)	2%
	2017	32,539				32,532 (98%)	721 (2%)	0%
	2016	33,253				32,774 (99%)	479 (1%)	17%
	2015	28,324		11	55	27,451 (97%)	873 (3%)	-27%
	2014	38,874	2,935	11	55	34,392 (88%)	4,416 (11%)	54%
	2013	25,172	2,685	11	61			43%
	2012	17,560	2,605	11	63	16,103 (92%)	1,457 (8%)	-20%
	2011	22,000	3,298	11	62	20,465 (93%)	1,755 (8%)	30%
	2010	16,900						-11%
	2009	19,000						1%
	2008	18,800						2%
	2007	18,500						-4%
	2006	19,200						8%
	2005	17,850						9%
	2004	16,400						-6%
	2003	17,400						20%
	2002	14,500						-13%
	2001	16,700						3%
	2000	16,200						3%
	1999	15,700						
							Annual Growth 1999 - 2018:	6.16%

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txdot.ms2soft.com/tcds/tsearch.asp?loc=Txdot&mod=TCDS

Apps | Statewide Planning... | Traffic Count Datab... | RTC | STTC

TxDOT's Historical Data along US 380, east of Woodlawn Rd

Texas Department of Transportation

TCDS Help Refresh MS2

Traffic Count Database System (TCDS)

Home | TSMS | TCLS | TTDS | PMS | PMDS | RSMS | NMDS | PMMS | WOTS | RTTV

Login | Locate | Locate All | Email This

Auto-Locate ON

List View | All DIRs | All Approaches | Report Center

Record 1 of 1 Goto Record go

Location ID	43H122	MPO ID	282
Type	SPOT	HPMS ID	HPMS ANNUAL SAMPLE
SF Group	DALLAS FC 3	Route Type	US
AF Group	M1151_EB	Route	0380
GF Group	DALLAS FC 3	Active	Yes
Class Dist Grp	M1151_EB	Category	ANNUAL ACR
Seas Clss Grp	DALLAS		
WIM Group	Statewide		
QC Group	Volume Group 4		
Fnct'l Class	(3)Principal Arterial-Other		
Located On	US0380		
Loc On Alias	US0380-KG		

More Detail

STATION DATA

Directions: 2-WAY | EB | WB

AADT

Year	AADT	DHV-30	K %	D %	PA	BC	Src
2018	31,068	2,768	9	61	28,785 (93%)	2,283 (7%)	
2017	28,723	2,611	9	61	26,019 (91%)	2,704 (9%)	
2016	29,570	2,969	10	61	27,265 (92%)	2,305 (8%)	
2015	27,558	2,532	9	62	25,334 (92%)	2,224 (8%)	
2014	25,743	2,320	10	52	23,765 (92%)	1,933 (8%)	

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Travel Demand Model

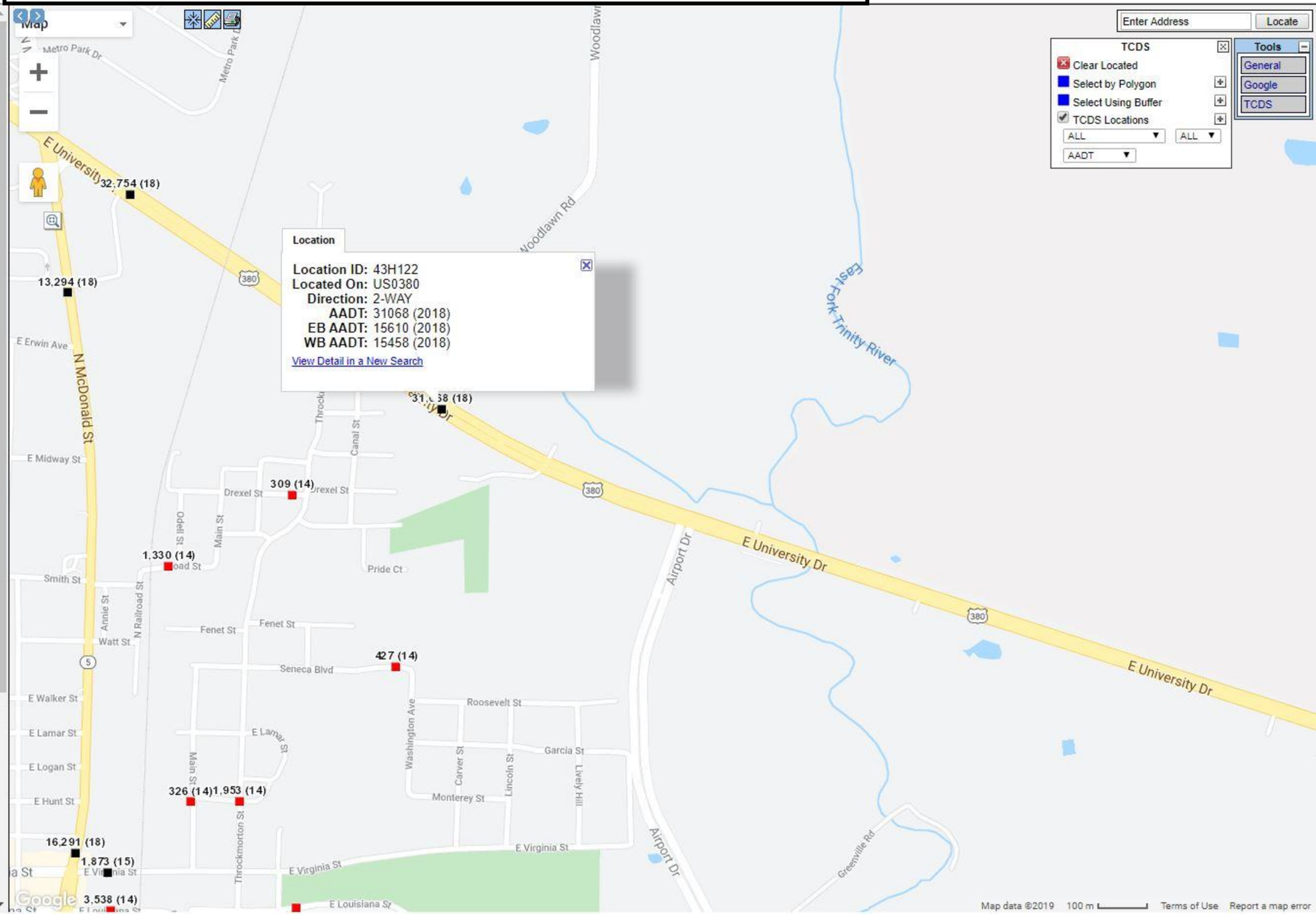
Model Year	Model AADT	AM PHV	AM PPV	MD PHV	MD PPV	PM PHV	PM PPV	NT PHV	NT PPV

VOLUME COUNT

Date	Int	Total
Mon 8/6/2018	15	35,541
Wed 8/9/2017	15	33,258
Mon 11/21/2016	15	33,613
Mon 11/30/2015	15	30,029
Mon 11/17/2014	60	28,453
Mon 7/22/2013	15	25,978
Mon 9/26/2011	15	26,112

VOLUME TREND

Year	Annual Growth
2018	8%
2017	-3%
2016	7%
2015	7%
2014	12%
2013	-5%
2012	0%
2011	9%
2010	-4%
2009	10%



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txdot.ms2soft.com/tcds/tsearch.asp?loc=Txdot&mod=TCDS

Apps | Statewide Planning... | Traffic Count Datab... | RTC | STTC

TxDOT's Historical Data along Spur 399, east of US 75

Texas Department of Transportation

TCDS Help Refresh MS2

Traffic Count Database System (TCDS)

Home | TSMS | TCLS | TTDS | PMS | PMDS | RSMS | NMDS | PMMS | WOTS | RTTV

Login | Locate | Locate All | Email This

Auto-Locate ON

List View | All DIRs | Report Center

Record 1 of 1 Goto Record go

Location ID	43H125	MPO ID	282
Type	SPOT	HPMS ID	HPMS ANNUAL SAMPLE
SF Group	DALLAS FC 3	Route Type	SS
AF Group	HP896	Route	0399
GF Group	DALLAS FC 3	Active	Yes
Class Dist Grp	HP896	Category	ANNUAL ACR
Seas Clss Grp	DALLAS		
WIM Group	Statewide		
QC Group	Volume Group 4		
Fnct'l Class	(3)Principal Arterial-Other		
Located On	SS0399		
Loc On Alias	SS0399-KG		

More Detail

STATION DATA

Directions: 2-WAY | EB | WB

AADT

Year	AADT	DHV-30	K %	D %	PA	BC	Src
2018	34,068	2,988	9	58	33,650 (99%)	418 (1%)	
2017	33,253[9]				32,532 (98%)	721 (2%)	
2016	33,253				32,774 (99%)	479 (1%)	
2015	28,324[2]		11	55	27,451 (97%)	873 (3%)	
2014	38,874	2,935	11	55	34,392 (88%)	4,416 (11%)	

|<< < > >>| 1-5 of 20

Travel Demand Model

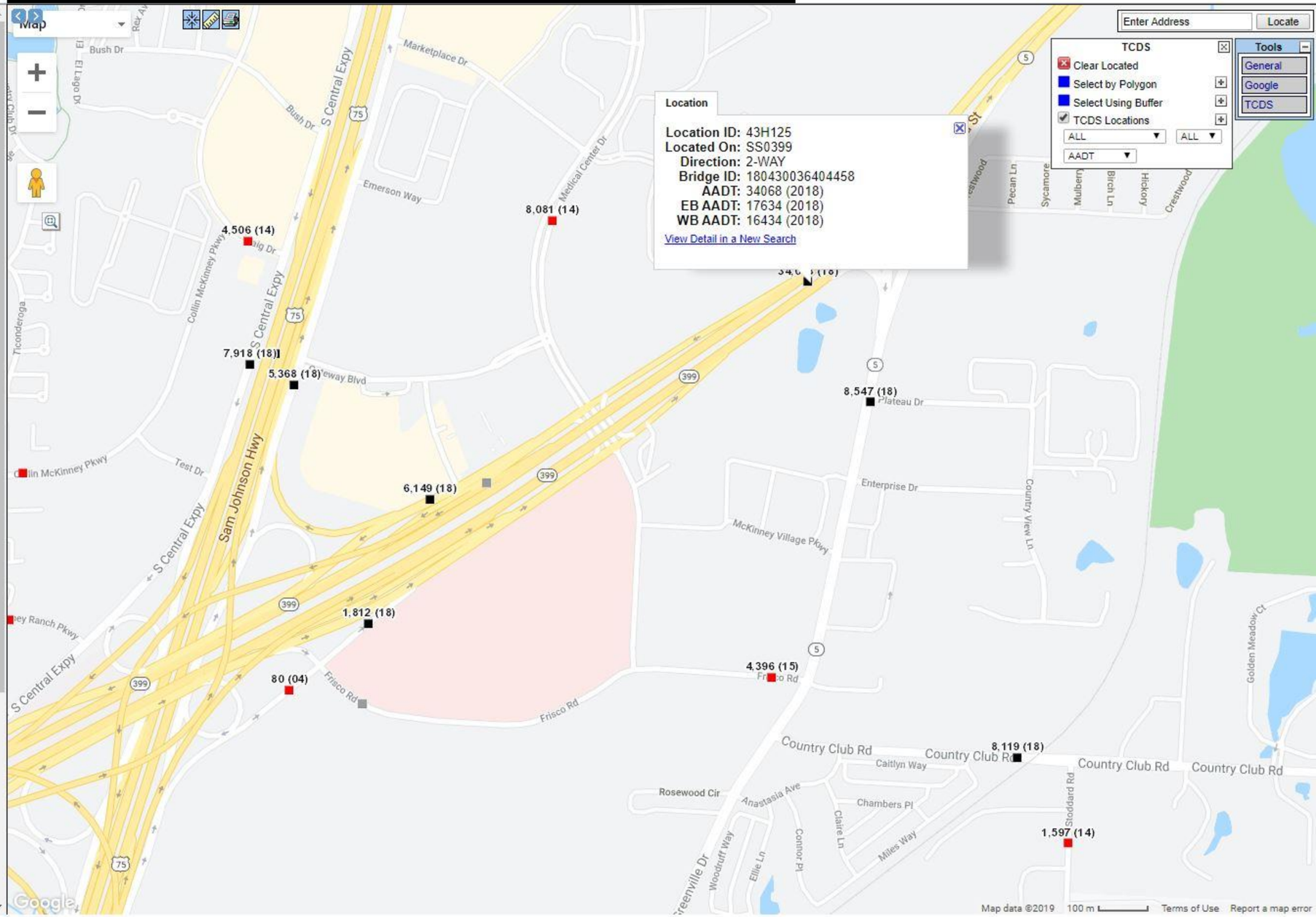
Model Year	Model AADT	AM PHV	AM PPV	MD PHV	MD PPV	PM PHV	PM PPV	NT PHV	NT PPV

VOLUME COUNT

Date	Int	Total
Tue 8/21/2018	15	37,279
Wed 5/25/2016	-	37,092
Wed 7/22/2015	-	36,012
Wed 9/24/2014	15	36,012
Wed 7/24/2013	15	29,596
Wed 9/28/2011	15	24,954

VOLUME TREND

Year	Annual Growth
2018	2%
2017	0%
2016	17%
2015	-27%
2014	54%
2013	43%
2012	-20%
2011	30%
2010	-11%
2009	1%



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TRAFFIC VOLUME REGRESSION WORKSHEET — **December 22, 2020**

PROJECT: US 380 — **District:** Dallas
LIMITS: — **County:** Dallas
CSJ:

ROUTE	US 380	US 380	US 380	US 380	US 380							
LOCATION	Stonebridge_	W of Custer I	Church St_9	E of US 75_1	W of US 75_157							
1998	13,600	12400	22000	24000	19000							
1999	17,200	15900	23,000	28,000	22,000							
2000	18,600	16900	24,000	29,000	27,000							
2001	19,500	22000	27,000	31,000	30,000							
2002	21,000	21000	26,000	31,000	31,000							
2003	23,000	25000	28,000	31,000	32,000							
2004	25,000	23000	26,000	30,000	33,000							
2005	28,000	25000	28,960	34,710	36,000							
2006	27,000	23000	28,000	29,000	35,000							
2007	26,000	26000	27,000	30,000	35,000							
2008	28,000	25000	27,000	29,000	39,000							
2009	25,000	25000	26,000	28,000	37,000							
2010	24,000	23000	25,000	26,000	35,000							
2011	26,000	25000	27,000	28,000	38,000							
2012	29,000	27000	28,000	32,000	42,000							
2013	27,368	25823	27,697	32,088	39,290							
2014	30,516	31031	28,757	35,484	41,843							
2015	31,639	31566	33,706	38,064	44,809							
2016	29,918	33412	30,341	33,939	42,130							
2017	37,381	33522	33,034	38,528	49,021							
2018	37,381	33522	34,928	37,939	49,436							
	Regr01	Regr02	Regr03	Regr04	Regr05	Regr06	Regr07	Regr08	Regr09	Regr10	Regr11	Regr12
Low Linear Annual Growth Rate	1.5%	1.5%	0.7%	0.5%	1.5%							
Forecast Lnr. An. Grwth Rate	**2.5%** ☐	**2.5%** ☐	**1.3%** ☐	**1.2%** ☐	**2.5%** ☐	☐	☐	☐	☐	☐	☐	☐
High Linear Annual Growth Rate	3.6%	3.6%	2.0%	1.9%	3.5%							
Estimated Standard Deviation	2445.39	2232.54	1919.54	2888.04	2461.98							
B (Slope)	879	842	425	435	1192							
A (Intercept)	17166	16538	23435	26919	24154							
R=	0.912	0.920	0.809	0.683	0.949							
Confidence Interval	+/- 90% CI 363	+/- 90% CI 345	+/- 90% CI 198	+/- 90% CI 240	+/- 90% CI 473							
	Avg. of selected Forecast Linear Annual Growth Rates:						**Avg. of all** Forecast Linear Annual Growth Rates:				**2.0%**	
GR's for Non-Regression vol's only												

PROJECTIONS OF ABOVE TRAFFIC VOLUME DATA TO FORECASTED YEARS

Use last Count Year from above. ☑

Do not use last Count Year from above. ☐
Enter any one of previous count years from above.

Enter Base Year 2020

Pivot Growth Rate at 20 Years from Count Year (most commonly used). ☑

Pivot Growth Rate (GR) at other than 20 Years from Count Year. ☐
Enter years from Count Year for pivoting Growth Rate (e.g. for pivoting growth ten years from Count Year, enter 10) 10

Enter Model Year 2038

Optional input: SPR Station, Yr
Optional input: K-Factor — **Enter Earliest Variable Year** 2006
Optional input: Dir. Dist. — **Enter Latest Variable Year** 2026

Pre-20/Pivot Yr Growth Rates Selection

Use Relative Low & Non-Regression GR's	○	
Use Relative Frcst & Non-Regression GR's	○	
Use Relative High & Non-Regression GR's	○	
Use Avg. of Selected Low Growth Rates	○	
Use Avg. of Selected Forecast Growth Rates	○	
Use Avg. of Selected High Growth Rates	○	
Use Avg. of All Low Growth Rates	○	1.1%
Use Avg. of All Forecast Growth Rates	◉	**2.0%**
Use Avg. of All High Growth Rates	○	2.9%
Use **Highest** Forecast Growth Rate	○	2.5%
Use **Lowest** Forecast Growth Rate	○	1.2%
Use Manually Selected Growth Rate	○	2.0%

Post-20/Pivot Year Growth Rate Note: If Pre-20/Pivot Yr GR is 2.0% or less, that rate is used in the projections, not the rate below.
Enter Growth Rate (2.0% most common) 2.0%

ROUTE	US 380	US 380	US 380	US 380	US 380							
LOCATION	Stonebridge_	W of Custer I	Church St_9	E of US 75_1	W of US 75_							
20/PIVOT YR AN. GROWTH RATE	2.0%	2.0%	2.0%	2.0%	2.0%							
Count Year - 2018	37381	33522	34928	37939	49436							
Base Year - 2020	38900	34900	36300	39500	51400							
Ten Year Forecast - 2030	46400	41600	43300	47000	61300							
Twenty Year Forecast - 2040	53800	48300	50300	54600	71200							
Thirty Year Forecast - 2050	61300	55000	57300	62200	81100							
Forty Year Forecast - 2060	68800	61700	64300	69800	91000							
GR Pivot Year Forecast - 2038	52300	46900	48900	53100	69200							
Earliest Var Yr Frcst - 2006	28400	25500	26500	28800	37600							
Latest Var Yr Frcst - 2026	43400	38900	40500	44000	57300							
Model Year Forecast - 2038												
Model Traffic Assignment												
Difference of Model Yr Forecast from Model Traffic Assignment												
Above Difference in DDHV												
% Difference of Model Yr Forecast from Model Traffic Assignment												

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HISTORICAL TRAFFIC COUNTS ALONG SAM RAYBURN TOLLWAY

Year	LOCATION			
	Preston W 43H142	Preston E 43H143	Custer Rd 43H151B	US 75 43H126
2019	107673	-	-	-
2018	110632	-	-	-
2017	100509	-	-	-
2016	100188	-	-	-
2015	92292	-	-	-
2014	125843	125843	90514	72998
2013	102510	103515	74370	45225
2012	102000	103000	74000	45000
2011	101000	103000	78000	47000
2010	89000	89000	61000	53000
2009	74000	74000	43000	35000
2008	51000	50000	42000	31000
2007	48000	49870	42020	34000
2006	41000	44000	26000	23000
2005	44000	45540	25000	22000
2004	40000	40000	23000	20000
2003	43000	41000	23000	20000
2002	46000	40000	23000	21000
2001	47000	42000	21000	20000
2000	41000	38000	21000	22000
1999	40000	34000	17800	17600

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TDM Volumes and Growth Rates

	TDM ADT				TDM Growth Rates		
Years	2017	2027	2040	2045	2017-2027	2017-2040	2017-2045
Averages	41,598	55,662	60,953	65,407	3.4%	2.0%	2.0%

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APPENDIX B – US CENSUS DATA

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United States Census Bureau

QuickFacts

McKinney city, Texas

QuickFacts provides statistics for all states and counties, and for cities and towns with a ***population of 5,000 or more***.

Table

All Topics	McKinney city, Texas
Population estimates, July 1, 2018, (V2018)	**191,645**
PEOPLE	
Population	
Population estimates, July 1, 2019, (V2019)	NA
Population estimates, July 1, 2018, (V2018)	**191,645**
Population estimates base, April 1, 2010, (V2019)	NA
Population estimates base, April 1, 2010, (V2018)	131,160
Population, percent change - April 1, 2010 (estimates base) to July 1, 2019, (V2019)	NA
Population, percent change - April 1, 2010 (estimates base) to July 1, 2018, (V2018)	46.1%
Population, Census, April 1, 2010	131,117
Age and Sex	
Persons under 5 years, percent	▲ 7.5%
Persons under 18 years, percent	▲ 29.1%
Persons 65 years and over, percent	▲ 9.9%
Female persons, percent	▲ 51.8%
Race and Hispanic Origin	
White alone, percent	▲ 76.3%
Black or African American alone, percent (a)	▲ 11.6%
American Indian and Alaska Native alone, percent (a)	▲ 0.5%
Asian alone, percent (a)	▲ 6.7%
Native Hawaiian and Other Pacific Islander alone, percent (a)	▲ 0.0%
Two or More Races, percent	▲ 2.9%
Hispanic or Latino, percent (b)	▲ 17.9%
White alone, not Hispanic or Latino, percent	▲ 61.0%
Population Characteristics	
Veterans, 2014-2018	8,909
Foreign born persons, percent, 2014-2018	15.2%
Housing	
Housing units, July 1, 2018, (V2018)	X
Owner-occupied housing unit rate, 2014-2018	66.5%
Median value of owner-occupied housing units, 2014-2018	$281,300
Median selected monthly owner costs -with a mortgage, 2014-2018	$2,044
Median selected monthly owner costs -without a mortgage, 2014-2018	$774
Median gross rent, 2014-2018	$1,272
Building permits, 2018	X
Families & Living Arrangements	
Households, 2014-2018	59,580
Persons per household, 2014-2018	2.89
Living in same house 1 year ago, percent of persons age 1 year+, 2014-2018	84.3%
Language other than English spoken at home, percent of persons age 5 years+, 2014-2018	22.7%
Computer and Internet Use	
Households with a computer, percent, 2014-2018	96.5%
Households with a broadband Internet subscription, percent, 2014-2018	89.1%
Education	
High school graduate or higher, percent of persons age 25 years+, 2014-2018	92.1%
Bachelor's degree or higher, percent of persons age 25 years+, 2014-2018	45.7%
Health	
With a disability, under age 65 years, percent, 2014-2018	4.5%
Persons without health insurance, under age 65 years, percent	▲ 11.6%
Economy	
In civilian labor force, total, percent of population age 16 years+, 2014-2018	70.2%
	62.2%

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...ars+, 2014-2018	
Total accommodation and food services sales, 2012 ($1,000) (c)	233,563
Total health care and social assistance receipts/revenue, 2012 ($1,000) (c)	618,368
Total manufacturers shipments, 2012 ($1,000) (c)	4,106,207
Total merchant wholesaler sales, 2012 ($1,000) (c)	705,948
Total retail sales, 2012 ($1,000) (c)	2,507,318
Total retail sales per capita, 2012 (c)	$17,506
Transportation	
Mean travel time to work (minutes), workers age 16 years+, 2014-2018	29.4
Income & Poverty	
Median household income (in 2018 dollars), 2014-2018	$89,964
Per capita income in past 12 months (in 2018 dollars), 2014-2018	$38,770
Persons in poverty, percent	▲ 6.9%

BUSINESSES

Businesses	
Total employer establishments, 2017	X
Total employment, 2017	X
Total annual payroll, 2017 ($1,000)	X
Total employment, percent change, 2016-2017	X
Total nonemployer establishments, 2017	X
All firms, 2012	12,723
Men-owned firms, 2012	6,217
Women-owned firms, 2012	4,698
Minority-owned firms, 2012	3,185
Nonminority-owned firms, 2012	9,024
Veteran-owned firms, 2012	983
Nonveteran-owned firms, 2012	11,155

GEOGRAPHY

Geography	
Population per square mile, 2010	2,107.7
Land area in square miles, 2010	62.21
FIPS Code	4845744

About datasets used in this table

Value Notes

⚠ Estimates are not comparable to other geographic levels due to methodology differences that may exist between different data sources.

Some estimates presented here come from sample data, and thus have sampling errors that may render some apparent differences between geographies statistically indistinguishable. Click the Quick Info ⓘ icon to th row in TABLE view to learn about sampling error.

The vintage year (e.g., V2019) refers to the final year of the series (2010 thru 2019). *Different vintage years of estimates are not comparable.*

Fact Notes

- **(a)** Includes persons reporting only one race
- **(b)** Hispanics may be of any race, so also are included in applicable race categories
- **(c)** Economic Census - Puerto Rico data are not comparable to U.S. Economic Census data

Value Flags

- **-** Either no or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest or upper in open ended distribution.
- **D** Suppressed to avoid disclosure of confidential information
- **F** Fewer than 25 firms
- **FN** Footnote on this item in place of data
- **N** Data for this geographic area cannot be displayed because the number of sample cases is too small.
- **NA** Not available
- **S** Suppressed; does not meet publication standards
- **X** Not applicable
- **Z** Value greater than zero but less than half unit of measure shown

QuickFacts data are derived from: Population Estimates, American Community Survey, Census of Population and Housing, Current Population Survey, Small Area Health Insurance Estimates, Small Area Income and P Estimates, State and County Housing Unit Estimates, County Business Patterns, Nonemployer Statistics, Economic Census, Survey of Business Owners, Building Permits.

No search results.

/

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APPENDIX C – TPP CORRIDOR PACKET

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Texas Department of Transportation

MEMO

April 3, 2020

To: Mohamed "Mo" Bur, P.E. District Engineer
Attention: John Hudspeth, P.E. Director of TPD

Through: William E. Knowles, P.E.
Traffic Analysis Section Director, TPP

From: Greg Goldman
Planner, TPP

Subject: Traffic Data
CSJ: 0135-02-065
US 380 From Coit Road to Spur 399/FM 1827
and Spur 399 extension from US 75 to US 380

Collin County

Attached is a corridor analysis information packet for the described limits of the route.

US 380 From Coit Road to Spur 399/FM 1827
and Spur 399 extension from US 75 to US 380

Please refer to your original memorandum dated January 8, 2020.

If you have any questions or need additional information, please contact Greg Goldman at (512) 486-5138.

Attachment

CC: Stephen Endres, P.E., Transportation Engineer, Dallas District
Design Division

Traffic Data Request Form

Request ID *(auto generated on save)*	2020687	
Date Created *(auto generated on save)*	08/01/2020 09:25	2020-01-08T09:25:54
District*	Dallas	
County*	☑ Collin	Mo.Bur@txdot.gov Lacey.Rodgers@tx...
CSJ*	0135-02-065	
Project Highway*	US 380	
Limit (From)*	Coit Rd. to Spur 399/FM 18...	
Limit (To)*	and Spur 399 extension fro...	
Number of Lanes Existing*	6	
Number of Lanes Proposed*	8	
District Contact Person*	Stephen Endres	
Contact Number*	214-320-4469	
Estimated Letting Date*	8/1/2045	
District Priority*	8	
Attach Drawings or other documents*	US 380 0135-02-065, etc Initial Request Jan 8 2020.pdf	
Special Instructions (max 350 characters) *Note: If complete corridor analysis is requested, please attach a traffic schematic diagram.*	With 0135-03-053, 0135-04-036, 0135-05-028, 0135-11-024	

The following to be completed (Please mark information to be provided)

1. Basic highway traffic data for pavement design	**A. Base Year**	2020
	B. Forecasted 20 Years	☐
	C. Forecasted 30 years	☐
	D. Directional Distribution	
	E. K-factor	
	F. Percent Trucks ADT/DHV	

G. Average Ten Heaviest Wheel Loads (ATHWLD)	
H. Percent Tandem Axles in the ATHWLD	
I. One Directional cumulative 18 KSA at the end of the 20/30 years	
J. Slab Thickness*(8 " unless otherwise specified)*	8
K. Structural Number *(3" unless otherwise specified)*	3

2. Vehicle Classification for environmental studies (Air and Noise Analysis)	☐
3. Line Diagram Analysis (straight line turning movements: please provide line diagram)	☐
4. Complete Corridor analysis (includes basic highway traffic data for pavement design and environmental studies and detailed schematic turning movements; please provide detailed schematic)	☐
5. Consultant Corridor Information Packet	☑
6. No build Traffic Analysis	☐

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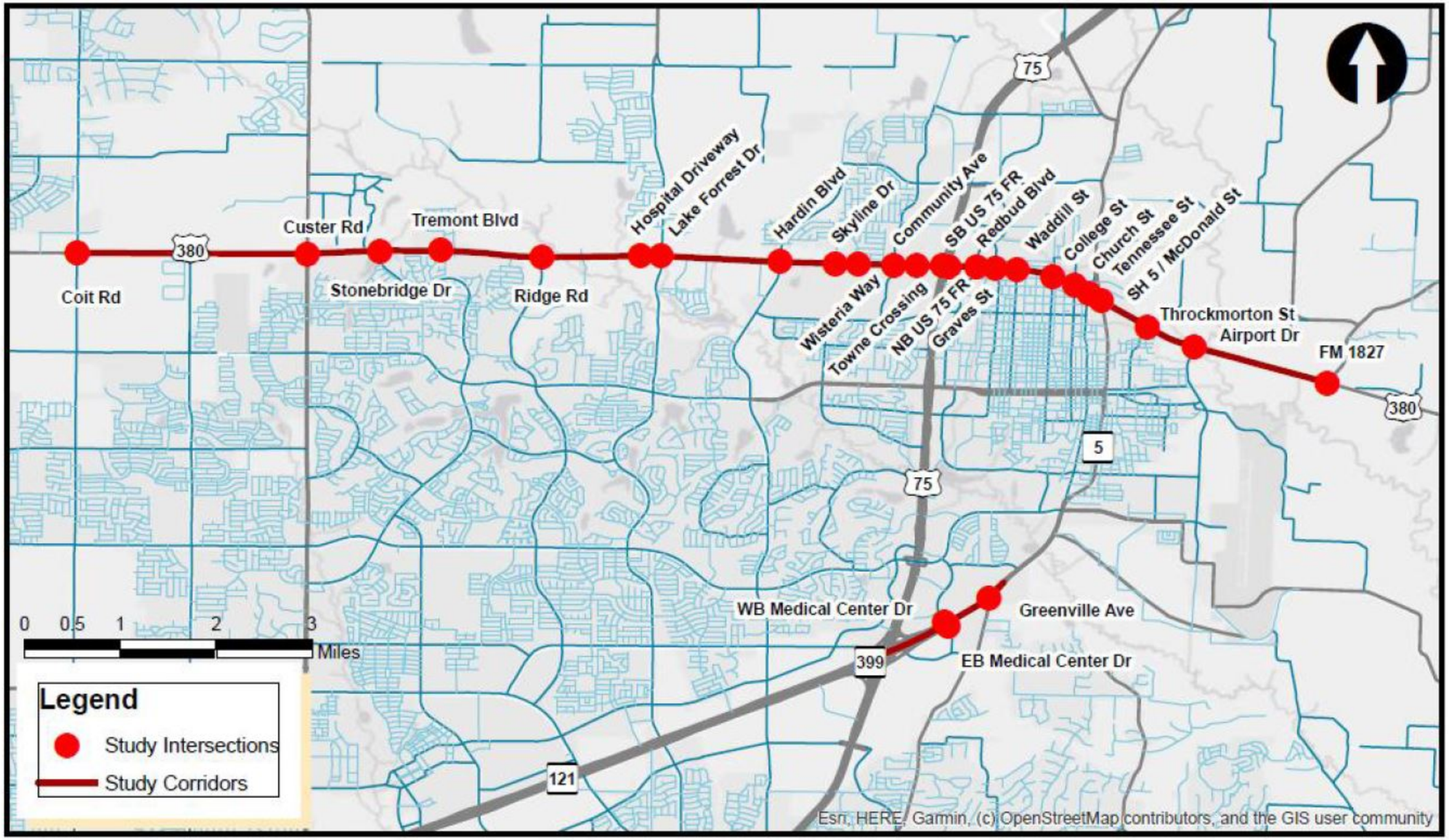

Figure 1. Study Corridor and Intersections Map

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Texas Department of Transportation

Request for Traffic Data

Date: 01/06/2020

District: Dallas **County:** Collin **CSJ:** 0135-02-065, etc.

Highway: US 380 and SPUR 399

Limits: US 380 from Coit Road to SPUR 399/FM 1827 and SPUR 399 extension from US 75 to US 380

Texas Reference Marker System

From Marker: _____ From Displacement: _____ From DFO: _____

To Marker: _____ To Displacement: _____ To DFO: _____

Is it in the UTP: ☐Yes ☐No District Priority: _____ Est. Letting Date: _____

Existing Number of Lanes: 6

Proposed Number of Lanes: 8

District Contact Person: Stephen Endres, P.E.

Phone Number: 214-320-4469

Please attach an 8-1/2" x 11" location map and make note of any existing or proposed development that will be a traffic generator. NOTE: _____

The following to be completed (Please mark information to be provided):

☐ 1. Basic Highway Traffic Data for pavement design
(No line diagram analysis required)
- A. Base year/ Beginning year: _____
- B. Forecasted 20 year: _____
- C. Forecasted 30 year: _____
- D. Directional Distribution
- E. K-factor
- F. Percent Trucks ADT/DHV
- G. Average Ten Heaviest Wheel Loads (ATHWLD)
- H. Percent Tandem Axles in the ATHWLD
- I. One Directional cumulative 18 KSA at the end of the 20 years/30 years
- J. Slab Thickness (8" unless otherwise specified): _____
- K. Structural Number (3 unless otherwise specified): _____

☐ 2. Vehicle classification for environmental studies (Air and Noise Analysis)

☐ 3. Line diagram analysis (straight line turning movements; please provide line diagram).

☐ 4. Complete Corridor Analysis (includes basic highway traffic data for pavement design, environmental studies and detailed schematic turning movements; *please provide detailed schematic*).

☒ 5. Consultant Corridor Information Packet

☐ 6. No build traffic analysis.
- ☐ EA
- ☐ EIS
- ☐ EA/EIS Reevaluation

Note: If complete corridor analysis is requested, please attach a traffic schematic diagram.

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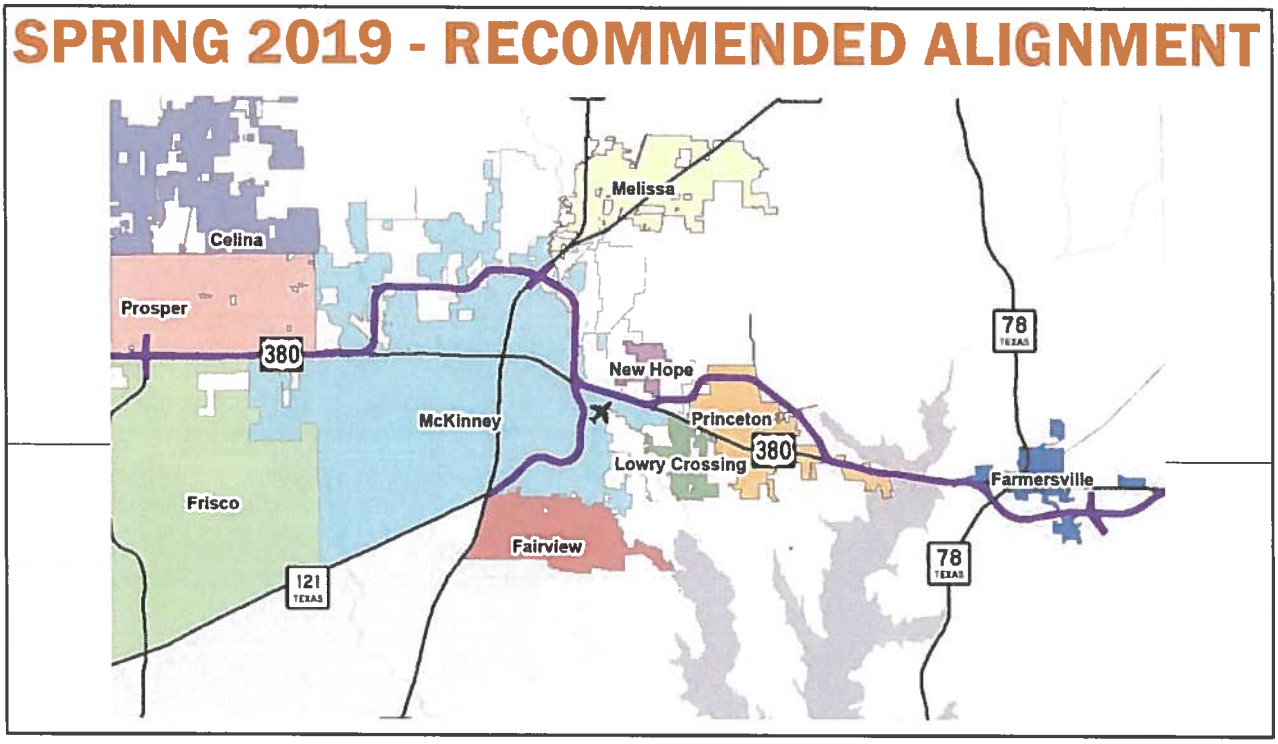
US 380 FROM COIT ROAD TO SPUR 399/FM 1827 AND SPUR 399 EXTENSION FROM US 75 TO US 380

EXISTING US 380 ALIGNMENT:

RECOMMENDED US 380 ALIGNMENT:



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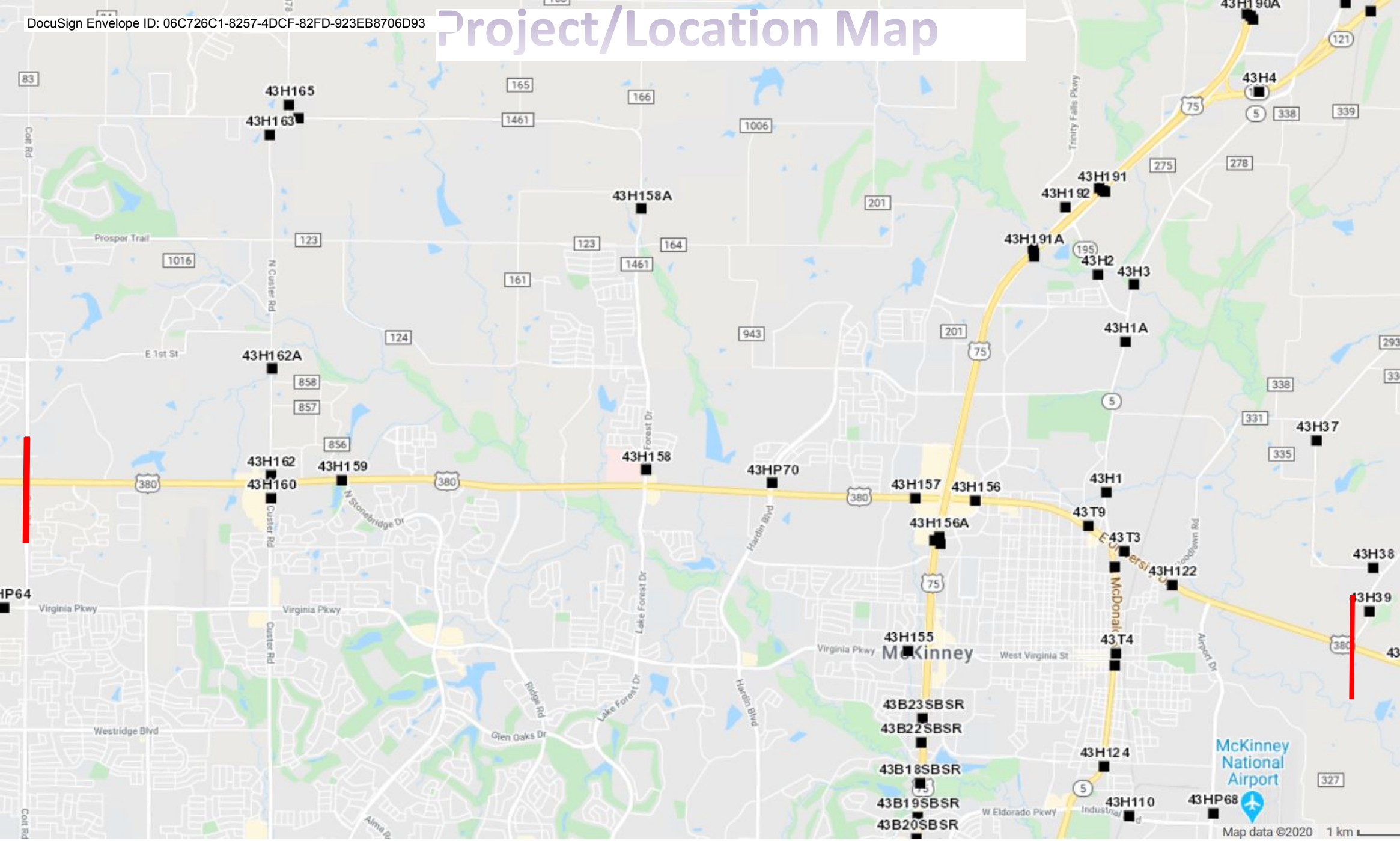
Project/Location Map



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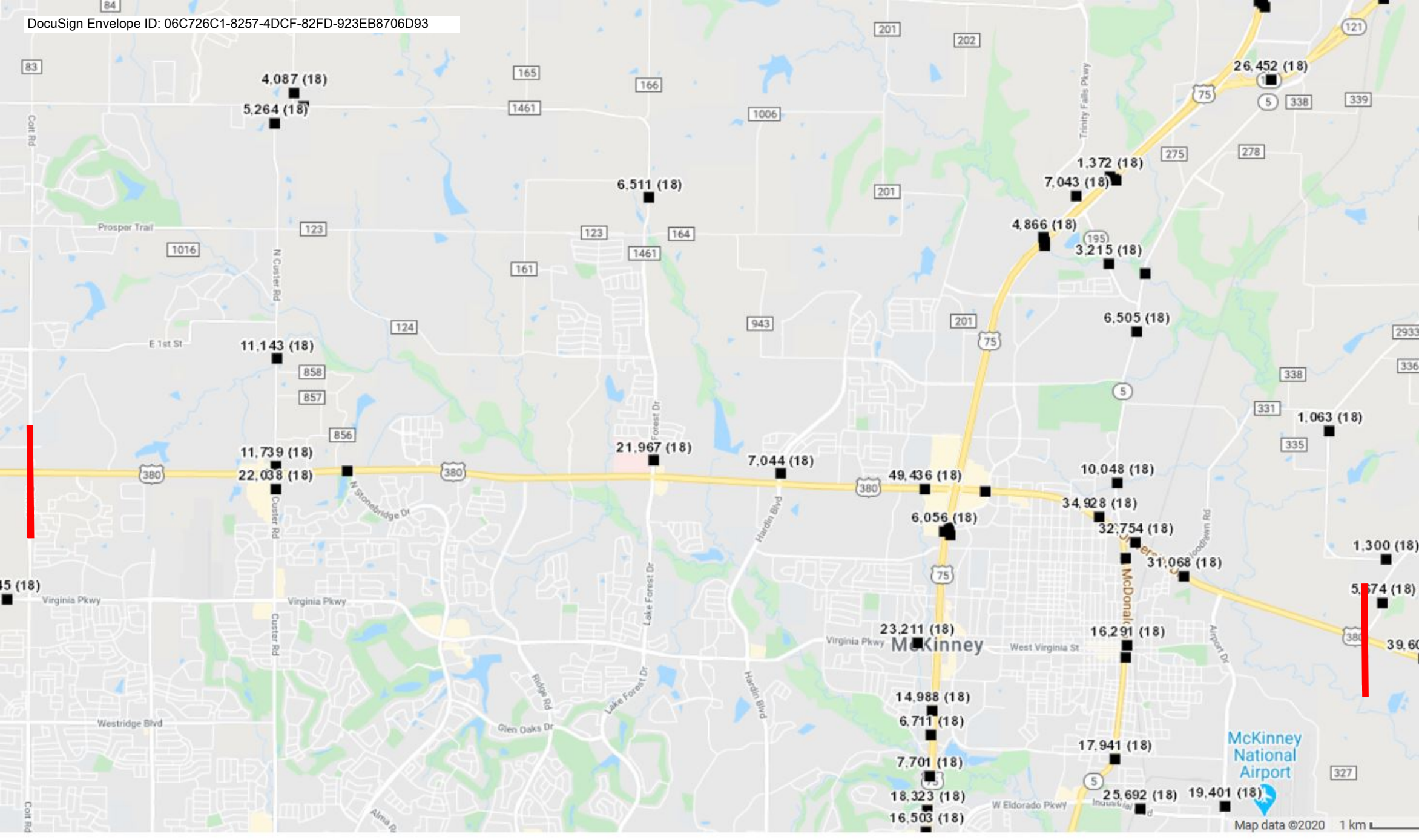

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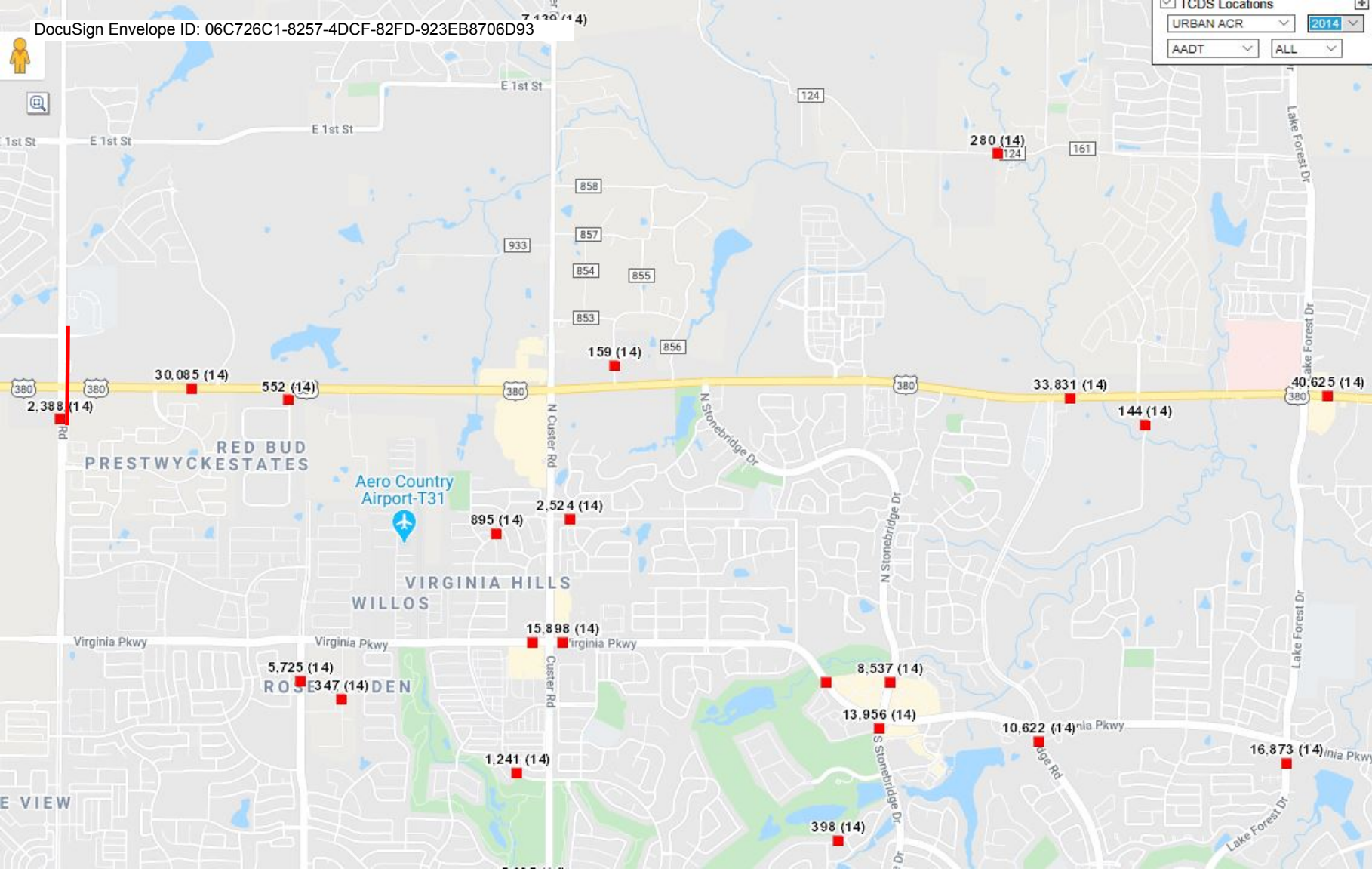

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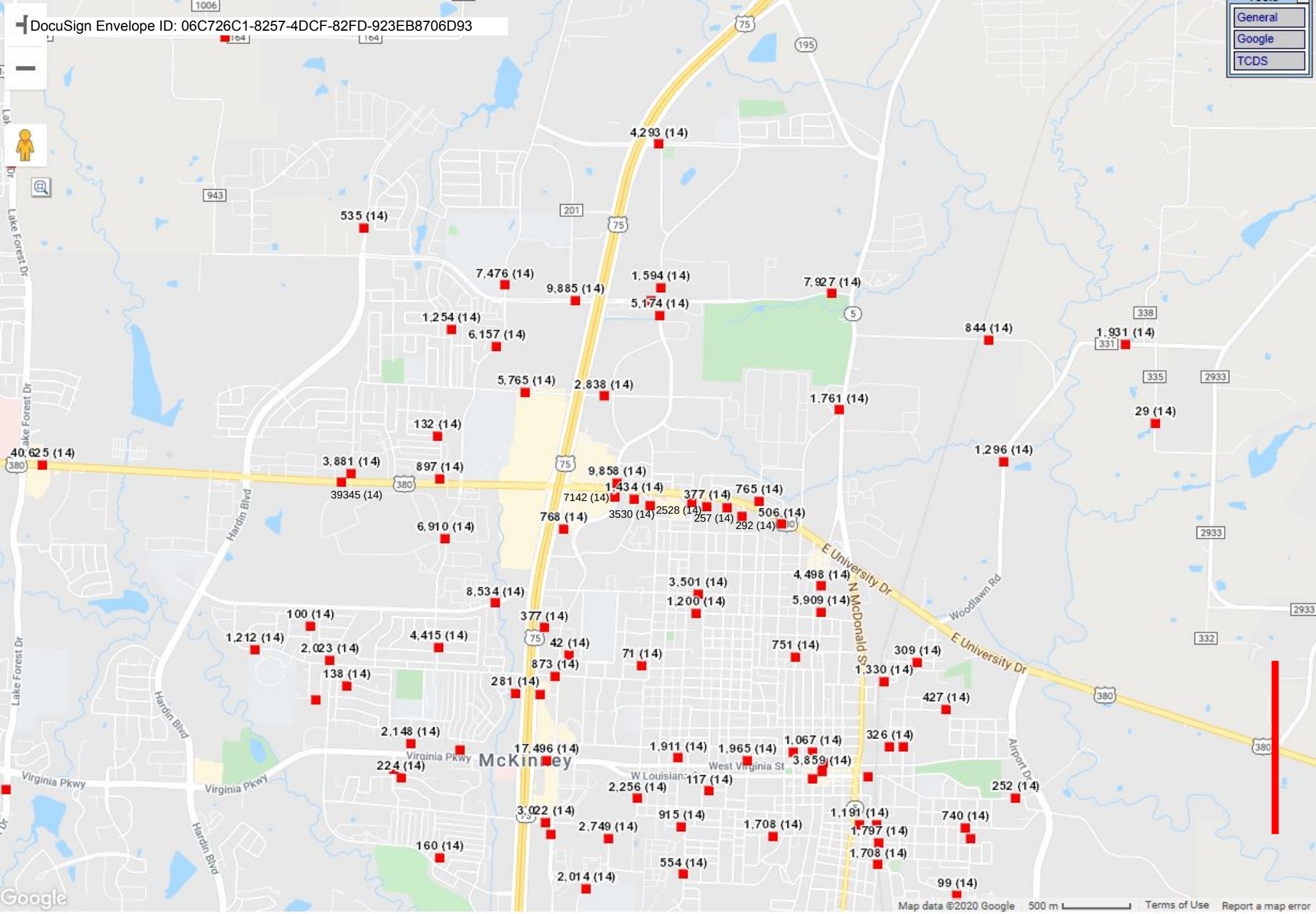

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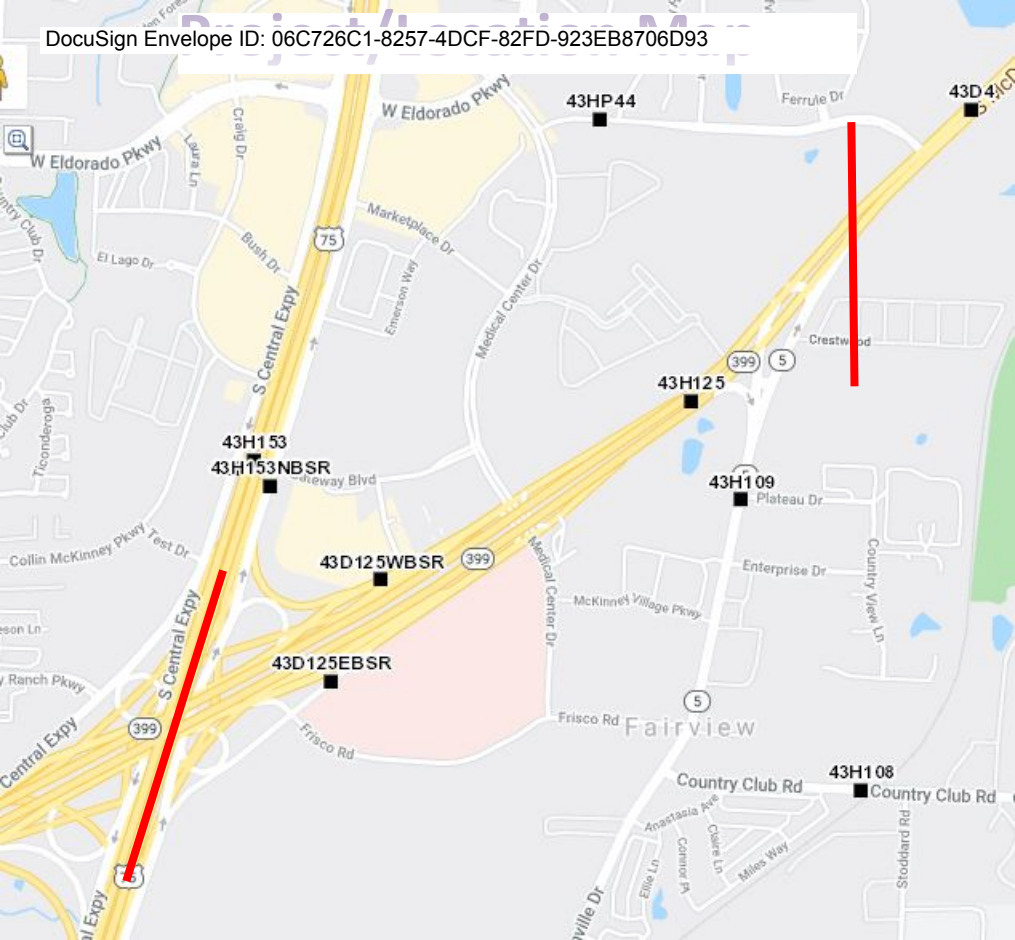

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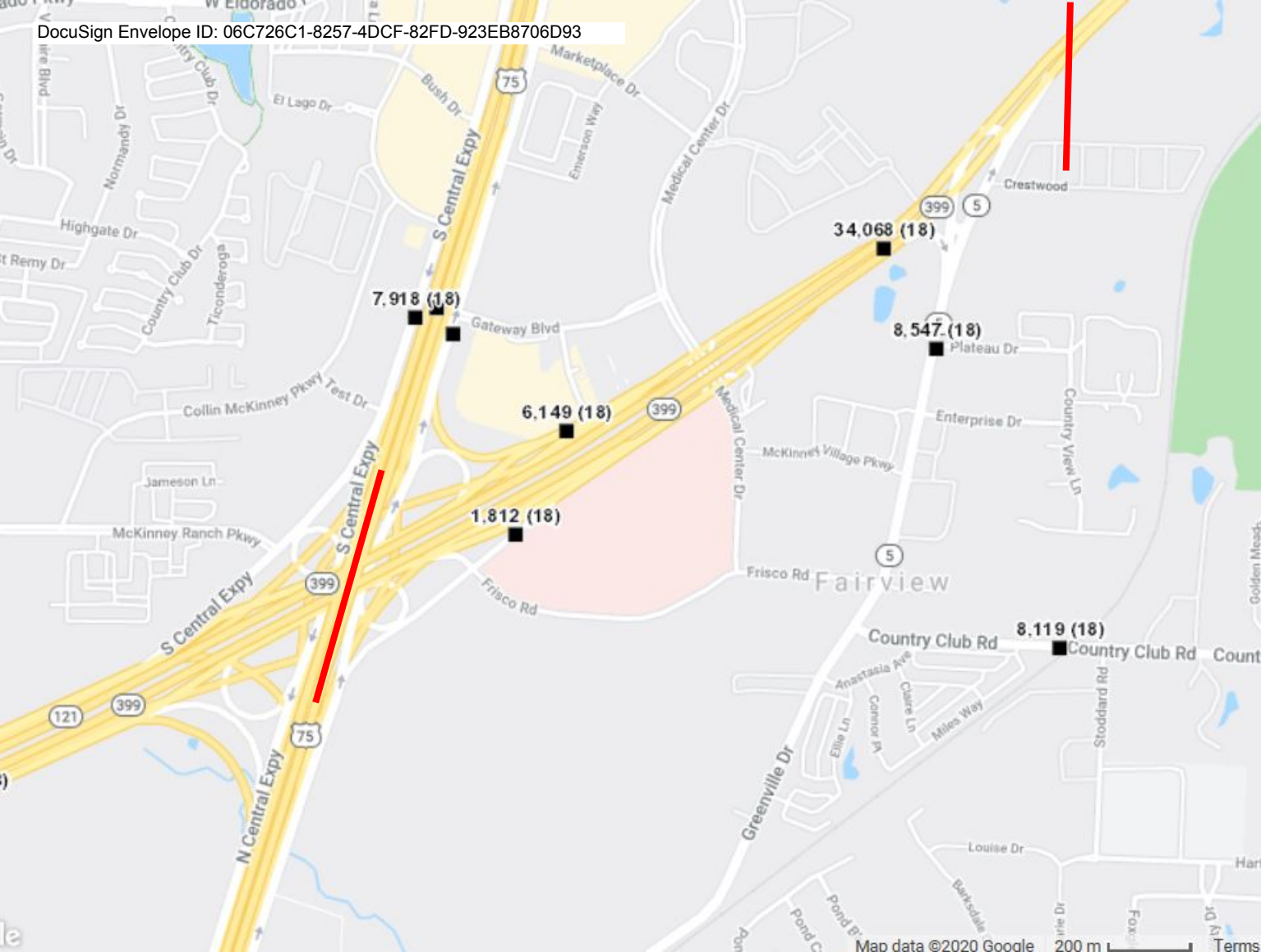

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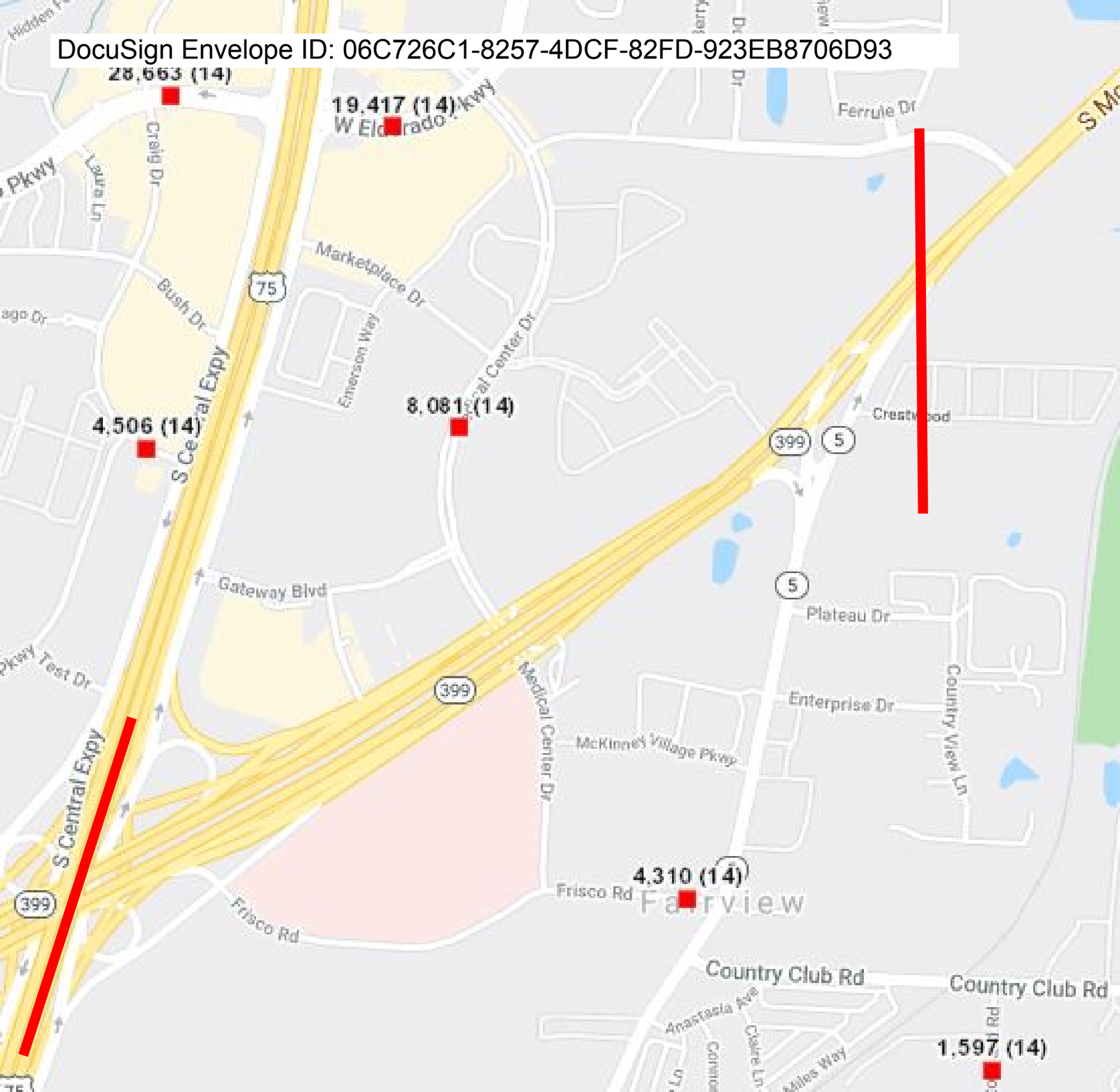

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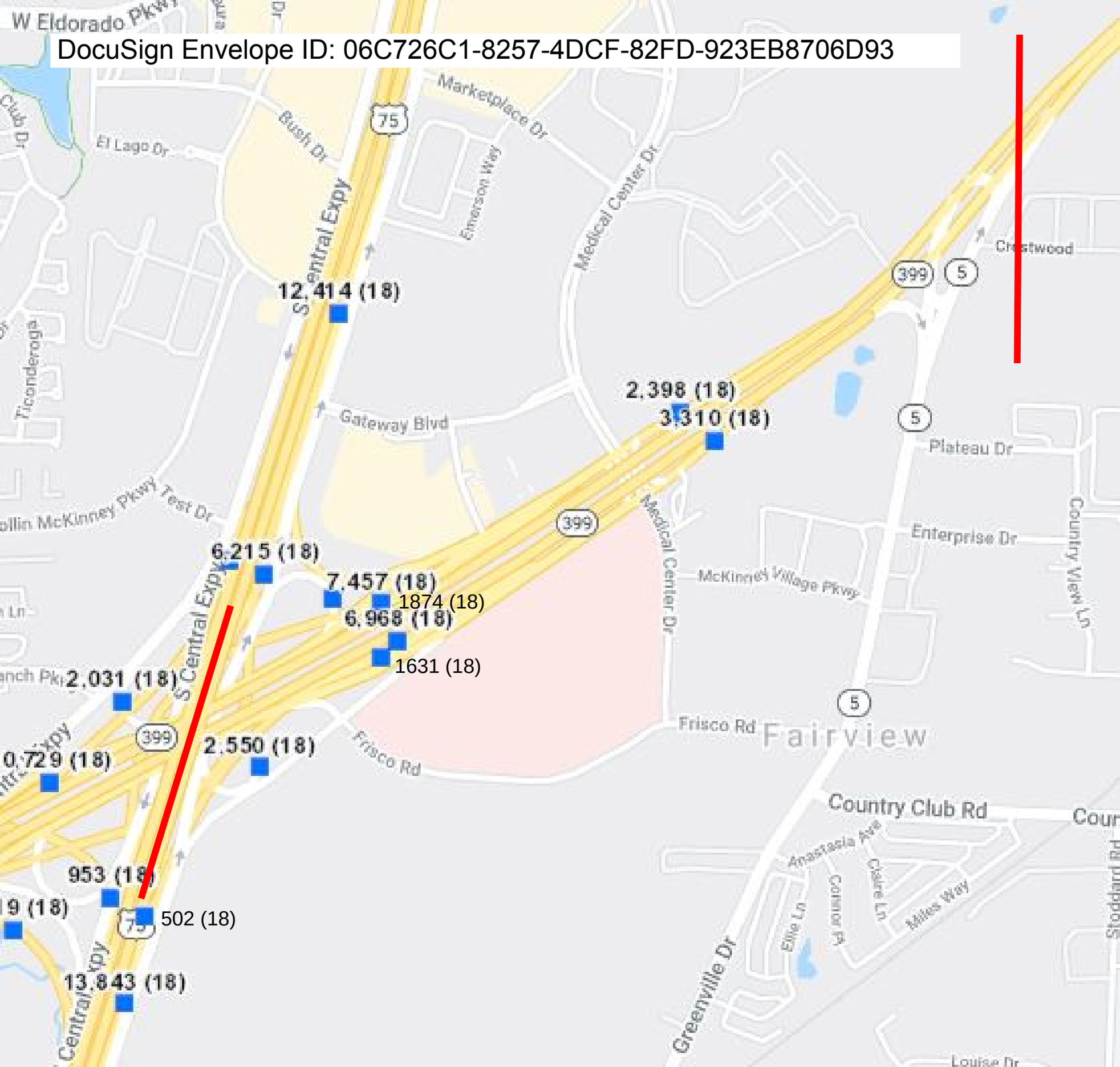

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Corridor Analysis Worksheet: 1 Section, 2 Forecast Years, Air & Noise

Project	US 380	District	Dallas
Rd Type	US	County	Collin
Direction	Two-Way	CSJ	0135-02-065
Project	From Coit Road		
Limits	To Spur 399	Analyst	GSG

Date:	Request	1/8/2020	Received	1/8/2020	Started	3/17/2020	Completed
	District Contact	Stephen Endres			Phone #	214-320-4469	

	Year	ADT's			% Trks ADT	% Trks DHV
Count	2018	49436			**5.5**	**3.3**
Base	2030	**64300**	**DRAFT**	# Trks	**3537**	
Forecast	2050	**86000**	**PROJECTIONS**			
Forecast	2060	**95900**				

SPR Station	S17	MC Stn	M1151	% Trks	6.7
Year	2018	Dir	EB	Num Trks	2797
Peak Hour	8.5	Year	2018	Axle Factor	2.49
DD	58	ADT	41447	% Single Axles	0.57
100-DD	**42**				
K-Factor	8.1				

Main Road Growth Rate	2.5	TDM Assignment	N/A
Growth Rate after 20 Years	2.0		
20 Year Growth Factor	**1.687**		
30 Year Growth Factor	**1.638**	LOD	99999
Design Period 1	20		
Design Period 2	30		

					# Lanes
Structural Number (SN)	3			Existing	6
Slab Thickness (ST)	8			Proposed	8

Past Projects	
Project	N/A
From	
To	
Date	
County	
CSJ	

Items Done on This Project

Straight Line Turning Movements	no	Detailed Schematic Turning Movements	no
Traffic Analysis for Highway Design	no	Field Trip	no
Vehicle Mix	yes	Travel Demand Model Used	no
Manual Count Worksheet	yes		

NOTES:

This was changed to an Option C project at the request of Tim Wright.

DATA CALCULATIONS FOR USE IN AIR & NOISE ANALYSIS

FHWA Format Vehicle Class. Counts		
Light	Motorcycles	72
Duty	Passenger	30432
Vehicles	Pickup or Van	8146
Single	Buses	58
Units	Other 2 Axle	833
	3 Axles	512
	4 Axles or more	26
Truck	3-4 Axles	206
Combs.	5 Axles	1119
	6 Axles or more	42
Semi-	5 Axles or less	1
Trailer-	6 Axles	0
Trailer	7 Axles or more	0

	Number	%
Light	**38650**	**93.3**
Medium	**994**	**2.4**
Heavy	**1803**	**4.4**
Trucks	**2797**	**6.7**

SECTION 1

US

	ADT	DHV
Light	**94.5**	**96.7**
Medium	**2.0**	**1.2**
Heavy	**3.5**	**2.1**

Total Vehicles	**41447**
Total Trucks	**2797**
Total Singles	**4001.0**
Total Tandems	**2963.0**
AXLE FACTOR	**2.49**
SINGLE AX FACT	**0.57**

INPUT DATA FOR KIPS: AUTOMATIC

SN, ST	**3, 8**					
Design Periods	**1**	**2**				
Year 1	**30**	**30**				
Year 2	**50**	**60**				
ADT	**64300**	**64300**				
% Trks	**5.5**	**5.5**				
Growth Rate	**1.687**	**1.638**				
Years	**20**	**30**				
Facil Type	**B**	**B**				
S.N.	**3**	**3**				
SLAB	**8**	**8**				
Weight Sta	**99999**	**99999**				
Axle Factor	**2.49**	**2.49**				
Single Axle	**0.57**	**0.57**				

OUTPUT DATA FROM KIPS: ENTER FOR TAHD FORM

SN, ST	**3, 8**					
Design Periods	**1**	**2**				
ATHWLD						
% T in ATHWLD						
FLEXIBLE						
RIGID						

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Corridor Analysis Worksheet: 1 Section, 2 Forecast Years, Air & Noise

Project	Spur 399	District	Dallas
Rd Type	US	County	Collin
Direction	Two-Way	CSJ	0135-02-065
Project	From US 75		
Limits	To US 380	Analyst	GSG

Date:	Request	1/8/2020	Received	1/8/2020	Started	3/17/2020	Completed
	District Contact	Stephen Endres				Phone #	214-320-4469

	Year	ADT's			% Trks ADT	% Trks DHV
Count	2018	34068			**6.0**	**3.6**
Base	2030	**47200**	**DRAFT**	# Trks	**2832**	
Forecast	2050	**64000**	**PROJECTIONS**			
Forecast	2060	**70900**				

SPR Station	S17	MC Stn	M1444	% Trks	6.5
Year	2018	Dir	SB	Num Trks	2625
Peak Hour	11.1	Year	2018	Axle Factor	2.33
DD	53	ADT	40355	% Single Axles	0.67
100-DD	**47**				
K-Factor	10.4				

Main Road Growth Rate	3.2	TDM Assignment	N/A
Growth Rate after 20 Years	2.0		
20 Year Growth Factor	**1.780**		
30 Year Growth Factor	**1.674**	LOD	99999
Design Period 1	20		
Design Period 2	30		

				# Lanes	
Structural Number (SN)	3			Existing	6
Slab Thickness (ST)	8			Proposed	8

Past Projects	
Project	N/A
From	
To	
Date	
County	
CSJ	

Items Done on This Project

Straight Line Turning Movements	no	Detailed Schematic Turning Movements	no
Traffic Analysis for Highway Design	no	Field Trip	no
Vehicle Mix	yes	Travel Demand Model Used	no
Manual Count Worksheet	yes		

NOTES:

This was changed to an Option C project at the request of Tim Wright.

Regression for the ESAL was based off of the main lanes only since frontage road data was very limited.

DATA CALCULATIONS FOR USE IN AIR & NOISE ANALYSIS

FHWA Format Vehicle Class. Counts		
Light	Motorcycles	89
Duty	Passenger	29453
Vehicles	Pickup or Van	8188
Single	Buses	31
Units	Other 2 Axle	1228
	3 Axles	462
	4 Axles or more	32
Truck	3-4 Axles	145
Combs.	5 Axles	719
	6 Axles or more	6
Semi-	5 Axles or less	2
Trailer-	6 Axles	0
Trailer	7 Axles or more	0

	Number	%
Light	**37730**	**93.5**
Medium	**1331**	**3.3**
Heavy	**1294**	**3.2**
Trucks	**2625**	**6.5**

SECTION 1

US

	ADT	DHV
Light	**94.0**	**96.4**
Medium	**3.0**	**1.8**
Heavy	**3.0**	**1.8**

Total Vehicles	**40355**
Total Trucks	**2625**
Total Singles	**4109.5**
Total Tandems	**2016.5**
AXLE FACTOR	**2.33**
SINGLE AX FACT	**0.67**

INPUT DATA FOR KIPS: AUTOMATIC

SN, ST	**3, 8**					
Design Periods	**1**	**2**				
Year 1	**30**	**30**				
Year 2	**50**	**60**				
ADT	**47200**	**47200**				
% Trks	**6.0**	**6.0**				
Growth Rate	**1.780**	**1.674**				
Years	**20**	**30**				
Facil Type	**B**	**B**				
S.N.	**3**	**3**				
SLAB	**8**	**8**				
Weight Sta	**99999**	**99999**				
Axle Factor	**2.33**	**2.33**				
Single Axle	**0.67**	**0.67**				

OUTPUT DATA FROM KIPS: ENTER FOR TAHD FORM

SN, ST	**3, 8**					
Design Periods	**1**	**2**				
ATHWLD						
% T in ATHWLD						
FLEXIBLE						
RIGID						

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TRAFFIC VOLUME REGRESSION WORKSHEET

March 20, 2020

PROJECT: US 380
LIMITS: From Coit Road
To Spur 399/FM 1827

District: Dallas
County: Collin
CSJ: 0135-02-065

ROUTE	US 380	US 380	US 380	US 380	US 380							
LOCATION	43H157	43H159	43H161	43H156	43T9							
1998	19000	13600	12,400	24000	22000							
1999	22000	17200	15900	28000	23000							
2000	27000	18600	16900	29000	24000							
2001	30000	19500	22000	31000	27000							
2002	31000	21000	21000	31000	26000							
2003	32000	23000	25000	31000	28000							
2004	33000	25000	23000	30000	26000							
2005	36000	28000	25000	34710	28960							
2006	35000	27000	23000	29000	28000							
2007	35000	26000	26000	30000	27000							
2008	39000	28000	25000	29000	27000							
2009	37000	25000	25000	28000	26000							
2010	35000	24000	23000	26000	25000							
2011	38000	26000	25000	28000	27000							
2012	42000	29000	27000	32000	28000							
2013	39290	27368	25823	32088	27697							
2014	41843	30516	31031	35484	28757							
2015	44809	31639	31566	38064	33706							
2016	42130	29918	33412	33939	30341							
2017	49021	37381	33522	38528	33034							
2018	49436	37381	33522	37939	34928							
	Regr01	Regr02	Regr03	Regr04	Regr05	Regr06	Regr07	Regr08	Regr09	Regr10	Regr11	Regr12
Low Linear Annual Growth Rate	1.5%	1.5%	1.5%	0.5%	0.7%							
Forecast Lnr. An. Grwth Rate	**2.5%** ☐	**2.5%** ☐	**2.5%** ☐	**1.2%** ☐	**1.3%** ☐	☐	☐	☐	☐	☐	☐	☐
High Linear Annual Growth Rate	3.5%	3.6%	3.6%	1.9%	2.0%							
Estimated Standard Deviation	2461.98	2445.39	2232.54	2888.04	1919.54							
B (Slope)	1192	879	842	435	425							
A (Intercept)	24154	17166	16538	26919	23435							
R=	0.949	0.912	0.920	0.683	0.809							
Confidence Interval	+/- 90% CI 473	+/- 90% CI 473	+/- 90% CI 345	+/- 90% CI 240	+/- 90% CI 198							
	Avg. of selected Forecast Linear Annual Growth Rates:						**Avg. of all** Forecast Linear Annual Growth Rates:				**2.0%**	
GR's for Non-Regression vol's only												

PROJECTIONS OF ABOVE TRAFFIC VOLUME DATA TO FORECASTED YEARS

Use last Count Year from above. ☑

Do not use last Count Year from above. ☐
Enter any one of previous count years from above. 2010

Enter Base Year 2020

Pivot Growth Rate at 20 Years from Count Year (most commonly used). ☑

Pivot Growth Rate (GR) at other than 20 Years from Count Year. ☐
Enter years from Count Year for pivoting Growth Rate (e.g. for pivoting growth ten years from Count Year, enter 10) 10

Enter Model Year

Optional input: SPR Station, Yr
Optional input: K-Factor
Optional input: Dir. Dist.

Enter Earliest Variable Year 2041
Enter Latest Variable Year

Pre-20/Pivot Yr Growth Rates Selection

Use Relative Low & Non-Regression GR's	○	
Use Relative Frcst & Non-Regression GR's	○	
Use Relative High & Non-Regression GR's	○	
Use Avg. of Selected Low Growth Rates	○	
Use Avg. of Selected Forecast Growth Rates	○	
Use Avg. of Selected High Growth Rates	○	
Use Avg. of All Low Growth Rates	○	1.1%
Use Avg. of All Forecast Growth Rates	◉	**2.0%**
Use Avg. of All High Growth Rates	○	2.9%
Use **Highest** Forecast Growth Rate	○	2.5%
Use **Lowest** Forecast Growth Rate	○	1.2%
Use Manually Selected Growth Rate	○	4.0%

Post-20/Pivot Year Growth Rate Note: If Pre-20/Pivot Yr GR is 2.0% or less, that rate is used in the projections, not the rate below.
Enter Growth Rate (2.0% most common) 2.0%

ROUTE	US 380	US 380	US 380	US 380	US 380							
LOCATION	43H157	43H159	43H161	43H156	43T9							
20/PIVOT YR AN. GROWTH RATE	2.0%	2.0%	2.0%	2.0%	2.0%							
Count Year - 2018	49436	37381	33522	37939	34928							
Base Year - 2020	51400	38900	34900	39500	36300							
Ten Year Forecast - 2030	61300	46400	41600	47000	43300							
Twenty Year Forecast - 2040	71200	53800	48300	54600	50300							
Thirty Year Forecast - 2050	81100	61300	55000	62200	57300							
Forty Year Forecast - 2060	91000	68800	61700	69800	64300							
GR Pivot Year Forecast - 2038	69200	52300	46900	53100	48900							
Earliest Var Yr Frcst - 2041	72200	54600	48900	55400	51000							
Latest Var Yr Frcst -	-1945800	-1471300	-1319400	-1493300	-1374800							
Model Year Forecast - Model Traffic Assignment												
Difference of Model Yr Forecast from Model Traffic Assignment Above Difference in DDHV												
% Difference of Model Yr Forecast from Model Traffic Assignment												

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TRAFFIC VOLUME REGRESSION WORKSHEET — **April 1, 2020**

PROJECT: Spur 399
LIMITS: From US 75
To US 380

District: Dallas
County: Collin
CSJ: 0135-02-065

ROUTE	Spur 399											
LOCATION	43H125											
1998	13400											
1999	15700											
2000	16200											
2001	16700											
2002	14500											
2003	17400											
2004	16400											
2005	17850											
2006	19200											
2007	18500											
2008	18800											
2009	19000											
2010	16900											
2011	22000											
2012	17560											
2013	25172											
2014	38874											
2015	28324											
2016	33253											
2017	33253											
2018	34068											
	Regr01	Regr02	Regr03	Regr04	Regr05	Regr06	Regr07	Regr08	Regr09	Regr10	Regr11	Regr12
Low Linear Annual Growth Rate	1.8%											
Forecast Lnr. An. Grwth Rate	**3.2%** ☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
High Linear Annual Growth Rate	4.6%											
Estimated Standard Deviation	4031.55											
B (Slope)	1014											
A (Intercept)	11437											
R=	0.842											
Confidence Interval	+/- 90% CI 453											
	Avg. of selected Forecast Linear Annual Growth Rates:						**Avg. of all** Forecast Linear Annual Growth Rates:				**3.2%**	
GR's for Non-Regression vol's only												

PROJECTIONS OF ABOVE TRAFFIC VOLUME DATA TO FORECASTED YEARS

Use last Count Year from above. ☑

Do not use last Count Year from above. ☐
Enter any one of previous count years from above. 2010

Enter Base Year 2020

Pivot Growth Rate at 20 Years from Count Year (most commonly used). ☑

Pivot Growth Rate (GR) at other than 20 Years from Count Year. ☐
Enter years from Count Year for pivoting Growth Rate (e.g. for pivoting growth ten years from Count Year, enter 10) 10

Enter Model Year

Optional input: SPR Station, Yr
Optional input: K-Factor
Optional input: Dir. Dist.

Enter Earliest Variable Year 2041
Enter Latest Variable Year

Pre-20/Pivot Yr Growth Rates Selection

Use Relative Low & Non-Regression GR's	○	
Use Relative Frcst & Non-Regression GR's	○	
Use Relative High & Non-Regression GR's	○	
Use Avg. of Selected Low Growth Rates	○	
Use Avg. of Selected Forecast Growth Rates	○	
Use Avg. of Selected High Growth Rates	○	
Use Avg. of All Low Growth Rates	○	1.8%
Use Avg. of All Forecast Growth Rates	◉	**3.2%**
Use Avg. of All High Growth Rates	○	4.6%
Use **Highest** Forecast Growth Rate	○	3.2%
Use **Lowest** Forecast Growth Rate	○	3.2%
Use Manually Selected Growth Rate	○	4.0%

Post-20/Pivot Year Growth Rate Note: If Pre-20/Pivot Yr GR is 2.0% or less, that rate is used in the projections, not the rate below.
Enter Growth Rate (2.0% most common) 2.0%

ROUTE	Spur 399												
LOCATION	43H125												
20/PIVOT YR AN. GROWTH RATE	3.2%												
Count Year - 2018	34068												
Base Year - 2020	36200												
Ten Year Forecast - 2030	47200												
Twenty Year Forecast - 2040	57200												
Thirty Year Forecast - 2050	64000												
Forty Year Forecast - 2060	70900												
GR Pivot Year Forecast - 2038	55900												
Earliest Var Yr Frcst - 2041	57900												
Latest Var Yr Frcst -	-2165900												
Model Year Forecast -													
Model Traffic Assignment													
Difference of Model Yr Forecast from Model Traffic Assignment													
Above Difference in DDHV													
% Difference of Model Yr Forecast from Model Traffic Assignment													

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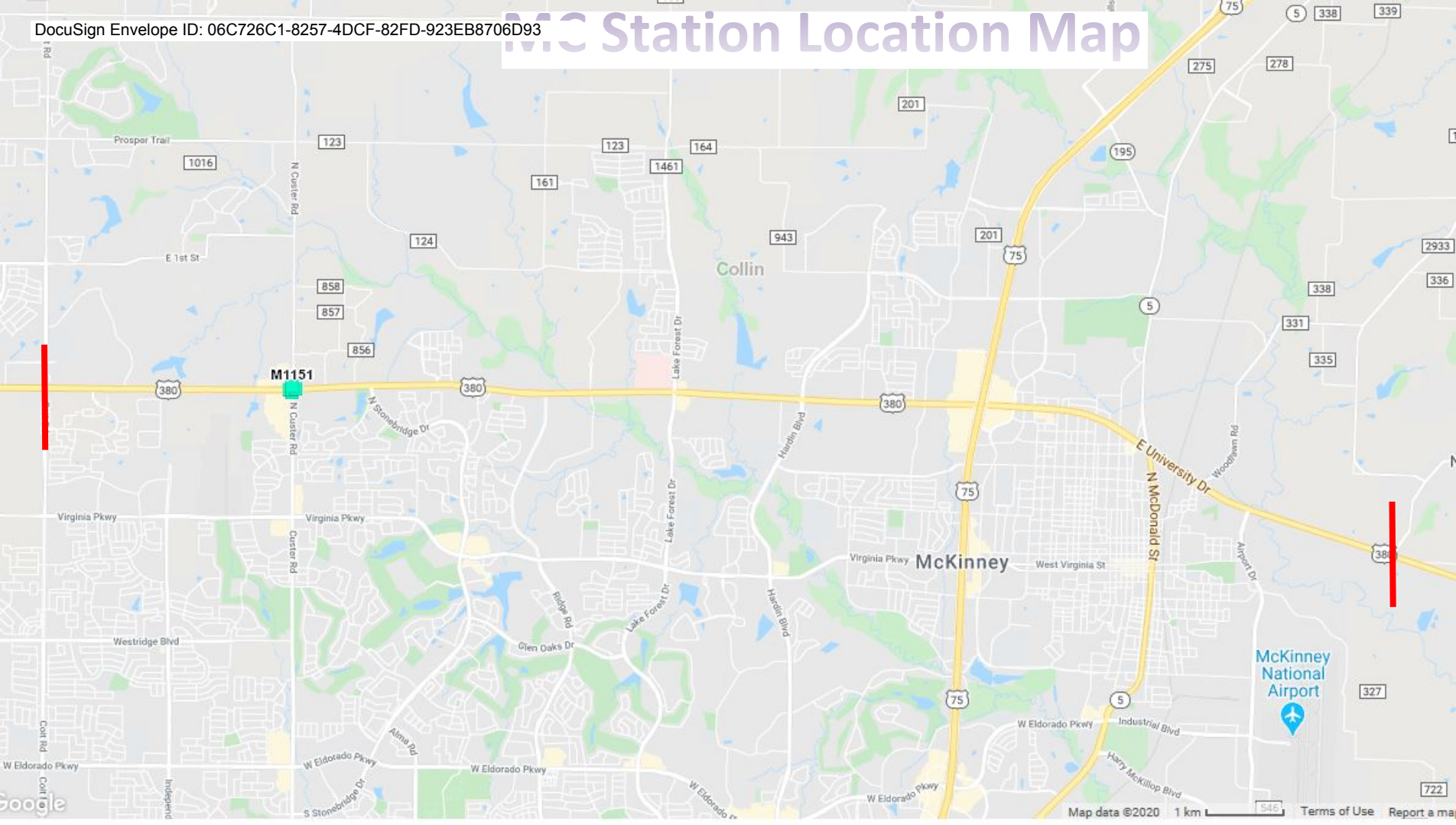
MC Station Location Map



SPR Station Location Map

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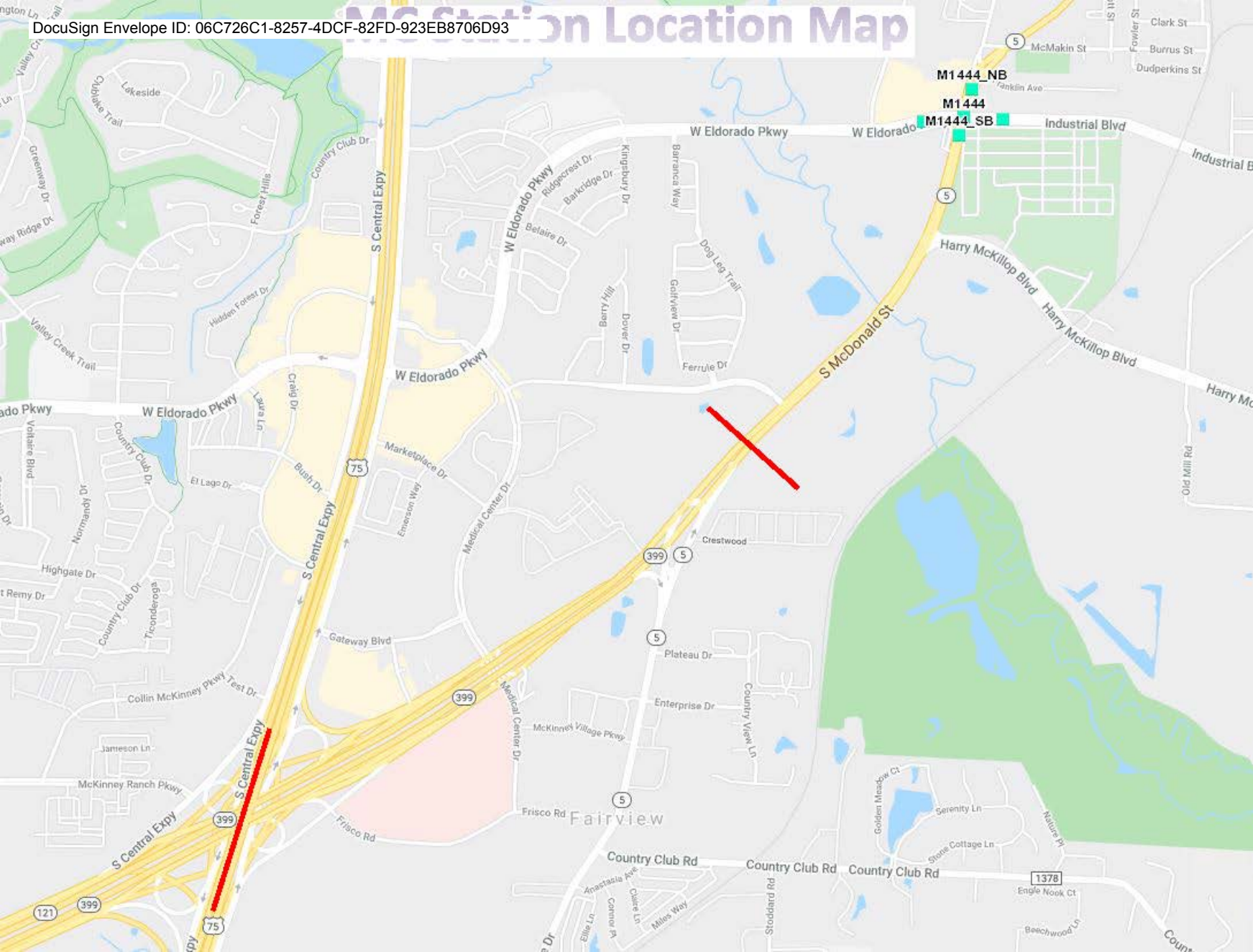
MC Station Location Map



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Texas Department of Transportation

MS2

Traffic Count Database System (TCDS)

Classification Report

Location ID	M1444_SB	**Located On**	SH0005	**County**	Collin
Counted By				**Community**	McKinney
Start Date	Wed 6/6/2018	**Loc On Alias**	S McDonald St	**Station**	M1444_SB
Start Time	12:00:00 AM	**Direction**	SB	**Agency**	Texas DOT
Source		**Sensor Type**		**Owner**	Jolana.Erichsen
Axle Factor	0.964	**Count Status**	Accepted		
Import Type	manual_veh_class	**Imported**	6/23/2018 11:33:24 AM		
Filename	M-1444.18				

FHWA-Scheme F Classification

Start Time	Motor cycle	Car	Pick up	Bus	2A SU	3A SU	>3A SU	<5A 2U	5A 2U	>5A 2U	<6A >2U	6A >2U	>6A >2U	14	15	TOTAL
12:00 AM	0	92	21	0	6	1	0	0	4	0	0	0	0	0	0	124
1:00 AM	0	69	21	0	2	4	0	1	3	0	0	0	0	0	0	100
2:00 AM	0	113	29	0	1	17	1	0	10	0	0	0	0	0	0	171
3:00 AM	1	276	86	0	5	16	4	0	9	0	0	0	0	0	0	397
4:00 AM	0	874	269	0	12	20	0	0	29	0	0	0	0	0	0	1204
5:00 AM	7	1530	598	6	102	45	7	10	34	0	0	0	0	0	0	2339
6:00 AM	4	1798	592	5	167	32	6	7	44	0	0	0	0	0	0	2655
7:00 AM	4	1472	439	2	148	23	7	14	55	2	0	0	0	0	0	2166
8:00 AM	3	1475	344	0	84	38	1	16	76	2	0	0	0	0	0	2039
9:00 AM	1	1732	500	2	81	41	0	9	58	0	0	0	0	0	0	2424
10:00 AM	8	1578	324	4	83	39	0	19	56	0	1	0	0	0	0	2112
11:00 AM	4	1366	322	0	90	37	3	10	59	0	0	0	0	0	0	1891
12:00 PM	8	1386	342	0	71	27	0	11	65	0	0	0	0	0	0	1910
1:00 PM	2	1428	510	2	83	33	0	8	54	0	0	0	0	0	0	2120
2:00 PM	5	1844	529	6	78	27	0	7	42	1	0	0	0	0	0	2539
3:00 PM	1	2591	680	1	73	16	3	7	26	0	0	0	0	0	0	3398
4:00 PM	11	2682	726	1	49	16	0	13	25	0	1	0	0	0	0	3524
5:00 PM	10	2454	654	0	36	9	0	7	19	0	0	0	0	0	0	3189
6:00 PM	8	1800	420	1	30	4	0	3	11	1	0	0	0	0	0	2278
7:00 PM	6	1176	366	0	19	2	0	2	5	0	0	0	0	0	0	1576
8:00 PM	6	968	211	1	1	0	0	1	6	0	0	0	0	0	0	1194
9:00 PM	0	253	70	0	2	0	0	0	8	0	0	0	0	0	0	333
10:00 PM	0	334	96	0	3	4	0	0	7	0	0	0	0	0	0	444
11:00 PM	0	162	39	0	2	11	0	0	14	0	0	0	0	0	0	228
TOTAL	89	29453	8188	31	1228	462	32	145	719	6	2	0	0	0	0	40355

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Texas Department of Transportation

MS2

Traffic Count Database System (TCDS)

Classification Report

Location ID	M1151_EB	**Located On**	US-380	**County**	Collin
Counted By			At junction with FM 2478	**Community**	-
Start Date	Thu 5/10/2018	**Loc On Alias**		**Station**	M1151_EB
Start Time	12:00:00 AM	**Direction**	EB	**Agency**	Texas DOT
Source		**Sensor Type**		**Owner**	Jolana.Erichsen
Axle Factor	0.948	**Count Status**	Accepted		
Import Type	manual_veh_class	**Imported**	6/2/2018 4:13:46 AM		
Filename	M-1151.18				

FHWA-Scheme F Classification

Start Time	Motor cycle	Car	Pick up	Bus	2A SU	3A SU	>3A SU	<5A 2U	5A 2U	>5A 2U	<6A >2U	6A >2U	>6A >2U	14	15	TOTAL
12:00 AM	0	178	26	0	3	2	0	0	9	0	0	0	0	0	0	218
1:00 AM	1	92	18	0	4	0	1	0	9	0	0	0	0	0	0	125
2:00 AM	1	80	15	0	1	4	1	0	12	0	0	0	0	0	0	114
3:00 AM	1	121	19	0	6	7	0	1	31	0	0	0	0	0	0	186
4:00 AM	1	226	79	0	9	15	0	1	23	0	0	0	0	0	0	354
5:00 AM	3	647	115	1	18	16	1	2	64	0	0	0	0	0	0	867
6:00 AM	9	1538	374	9	32	44	1	10	70	3	0	0	0	0	0	2090
7:00 AM	3	2210	555	8	50	30	2	13	87	4	0	0	0	0	0	2962
8:00 AM	1	2063	503	4	53	41	3	21	72	5	0	0	0	0	0	2766
9:00 AM	3	1595	394	2	68	47	1	24	86	6	0	0	0	0	0	2226
10:00 AM	2	1490	570	1	92	56	3	14	89	4	0	0	0	0	0	2321
11:00 AM	2	1614	322	1	54	42	1	14	90	7	0	0	0	0	0	2147
12:00 PM	1	1926	648	1	34	28	3	12	98	1	0	0	0	0	0	2752
1:00 PM	6	1626	548	1	46	27	4	11	84	3	0	0	0	0	0	2356
2:00 PM	4	1675	526	3	49	35	0	13	67	5	0	0	0	0	0	2377
3:00 PM	4	2196	630	12	54	34	2	11	57	2	0	0	0	0	0	3002
4:00 PM	8	2402	549	13	70	33	0	11	49	1	0	0	0	0	0	3136
5:00 PM	5	2361	549	0	63	26	0	21	30	0	0	0	0	0	0	3055
6:00 PM	6	2225	520	0	56	18	1	16	21	1	1	0	0	0	0	2865
7:00 PM	7	1663	375	1	41	6	2	6	17	0	0	0	0	0	0	2118
8:00 PM	2	1080	393	1	8	0	0	2	21	0	0	0	0	0	0	1507
9:00 PM	0	725	236	0	10	1	0	0	14	0	0	0	0	0	0	986
10:00 PM	2	553	140	0	11	0	0	3	13	0	0	0	0	0	0	722
11:00 PM	0	146	42	0	1	0	0	0	6	0	0	0	0	0	0	195
TOTAL	72	30432	8146	58	833	512	26	206	1119	42	1	0	0	0	0	41447

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Texas Department of Transportation

Transportation Planning and Programming Division's
Statewide Traffic Analysis and Reporting System II

High Hourly Volumes for Year for 1/1/2018 - 12/31/2018
Criteria: Location ID = s17, Type = I-SECTION

District : Dallas
County : Dallas
Community : Balch Springs
Route:
On Road: US0175
Location ID : S17
Collection Type : PERM
AADT: 74,199
Roadbed : ML

Ordinal High Hour	Date	Day of Week	Hour	Volume	K Factor	Peak Direction	Directional Distribution
1	5/11/2018	Friday	4pm-5pm	6282	8.5	SB	59
2	4/6/2018	Friday	4pm-5pm	6244	8.4	SB	61
3	4/6/2018	Friday	5pm-6pm	6242	8.4	SB	61
4	1/26/2018	Friday	4pm-5pm	6218	8.4	SB	63
5	4/13/2018	Friday	5pm-6pm	6188	8.3	SB	62
6	2/9/2018	Friday	5pm-6pm	6176	8.3	SB	61
7	4/29/2018	Sunday	1pm-2pm	6158	8.3	NB	54
8	5/8/2018	Tuesday	5pm-6pm	6156	8.3	SB	63
9	9/21/2018	Friday	5pm-6pm	6142	8.3	SB	62
10	2/16/2018	Friday	5pm-6pm	6127	8.3	SB	61
20	9/21/2018	Friday	4pm-5pm	6073	8.2	SB	60
25	5/4/2018	Friday	5pm-6pm	6041	8.1	SB	62
30	5/18/2018	Friday	5pm-6pm	6018	8.1	SB	58
35	2/23/2018	Friday	4pm-5pm	5997	8.1	SB	60
40	5/15/2018	Tuesday	5pm-6pm	5978	8.1	SB	64
45	6/29/2018	Friday	4pm-5pm	5965	8	SB	61
50	4/30/2018	Monday	4pm-5pm	5955	8	SB	63
75	6/29/2018	Friday	5pm-6pm	5905	8	SB	61
100	10/5/2018	Friday	4pm-5pm	5865	7.9	SB	60
125	5/11/2018	Friday	3pm-4pm	5813	7.8	SB	58
150	4/22/2018	Sunday	12pm-1pm	5782	7.8	NB	51
175	4/29/2018	Sunday	2pm-3pm	5744	7.7	NB	53
200	2/8/2018	Thursday	5pm-6pm	5701	7.7	SB	61

This information has been prepared for internal use within the
Texas Department of Transportation.
Accuracy is limited to the validity of available data as of date shown.

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MANUAL COUNT DESIGN DATA - FHWA FORMAT

Station Number M1151 **Direction** EB **Year** 2018

Optional Misc. Info. (loc., etc.)

Type of Truck		Number of Trucks	Single Axles Mult.		Tandem Axle Sets Mult.	
Single Units						
Buses	4	58	2	116	0	0
2-D	5	833	2	1666	0	0
3-Axle	6	512	1	512	1	512
4-Axle	7	26	1	26	1	26
Single Trailer						
3-4-Axle	8	206	2.5	515.0	0.5	103.0
5-Axle	9	1119	1	1119	2	2238
6-Axle	10	42	1	42	2	84
Multi-Trailers						
5-Axle	11	1	5	5	0	0
6-Axle	12	0	4	0	1	0
7-Axle	13	0	3	0	2	0
	Total	2797		4001.0		2963.0

(Singles + Tandems) / Total Trucks = Axle Factor	2.49
(Singles Axles / (Singles + Tandems))	0.57

Light Duty Vehicles	Motorcycles	72
	Passenger Cars	30432
	Pickup or Van	8146
Single Units	Buses	58
	Other 2 Axle	833
	3 Axles	512
	4 Axles or more	26
Single Trailer	3-4 Axles	206
	5 Axles	1119
	6 Axles or more	42
Multi-Trailers	5 Axles or less	1
	6 Axles	0
	7 Axles or more	0

Light	38650
Medium	994
Heavy	1803
Trucks	2797
Total Vehicles	41447
%T of Tot. Veh.	6.7
Num. of Trucks	2797
Axle Factor	2.49
% Single Axles	0.57

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

MANUAL COUNT DESIGN DATA - FHWA FORMAT

Station Number M1444 **Direction** SB **Year** 2018

Optional Misc. Info. (loc., etc.)

Type of Truck		Number of Trucks	Single Axles Mult.		Tandem Axle Sets Mult.	
Single Units						
Buses	4	31	2	62	0	0
2-D	5	1228	2	2456	0	0
3-Axle	6	462	1	462	1	462
4-Axle	7	32	1	32	1	32
Single Trailer						
3-4-Axle	8	145	2.5	362.5	0.5	72.5
5-Axle	9	719	1	719	2	1438
6-Axle	10	6	1	6	2	12
Multi-Trailers						
5-Axle	11	2	5	10	0	0
6-Axle	12	0	4	0	1	0
7-Axle	13	0	3	0	2	0
	Total	2625		4109.5		2016.5

(Singles + Tandems) / Total Trucks = Axle Factor	2.33
(Singles Axles / (Singles + Tandems))	0.67

Light Duty Vehicles	Motorcycles	89
	Passenger Cars	29453
	Pickup or Van	8188
Single Units	Buses	31
	Other 2 Axle	1228
	3 Axles	462
	4 Axles or more	32
Single Trailer	3-4 Axles	145
	5 Axles	719
	6 Axles or more	6
Multi-Trailers	5 Axles or less	2
	6 Axles	0
	7 Axles or more	0

Light	37730
Medium	1331
Heavy	1294
Trucks	2625
Total Vehicles	40355
%T of Tot. Veh.	6.5
Num. of Trucks	2625
Axle Factor	2.33
% Single Axles	0.67

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

APPENDIX D – TRAFFIC COUNTS

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

SP 399 E OF US 75

Start Date: 2/4/2020
Start Time: 12:00:00 AM
Site Code: 875 813

Date	Time	NB	SB	TOTAL
2/4/2020	12:00 AM	3	4	7
2/4/2020	12:15 AM	6	8	14
2/4/2020	12:30 AM	6	6	12
2/4/2020	12:45 AM	3	4	7
2/4/2020	01:00 AM	4	3	7
2/4/2020	01:15 AM	7	3	10
2/4/2020	01:30 AM	6	2	8
2/4/2020	01:45 AM	1	3	4
2/4/2020	02:00 AM	1	5	6
2/4/2020	02:15 AM	1	1	2
2/4/2020	02:30 AM	3	2	5
2/4/2020	02:45 AM	6	1	7
2/4/2020	03:00 AM	3	6	9
2/4/2020	03:15 AM	6	6	12
2/4/2020	03:30 AM	5	4	9
2/4/2020	03:45 AM	6	10	16
2/4/2020	04:00 AM	16	8	24
2/4/2020	04:15 AM	24	18	42
2/4/2020	04:30 AM	15	24	39
2/4/2020	04:45 AM	25	28	53
2/4/2020	05:00 AM	24	19	43
2/4/2020	05:15 AM	48	60	108
2/4/2020	05:30 AM	62	62	124
2/4/2020	05:45 AM	63	89	152
2/4/2020	06:00 AM	79	131	210
2/4/2020	06:15 AM	100	164	264
2/4/2020	06:30 AM	108	194	302
2/4/2020	06:45 AM	116	199	315
2/4/2020	07:00 AM	102	217	319
2/4/2020	07:15 AM	68	208	276
2/4/2020	07:30 AM	72	210	282
2/4/2020	07:45 AM	76	183	259
2/4/2020	08:00 AM	108	174	282
2/4/2020	08:15 AM	102	184	286
2/4/2020	08:30 AM	116	186	302
2/4/2020	08:45 AM	112	146	258
2/4/2020	09:00 AM	91	144	235
2/4/2020	09:15 AM	92	119	211
2/4/2020	09:30 AM	90	117	207
2/4/2020	09:45 AM	78	106	184
2/4/2020	10:00 AM	81	86	167
2/4/2020	10:15 AM	73	95	168

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	NB	SB	TOTAL
2/4/2020	10:30 AM	92	105	197
2/4/2020	10:45 AM	93	93	186
2/4/2020	11:00 AM	89	95	184
2/4/2020	11:15 AM	113	70	183
2/4/2020	11:30 AM	88	94	182
2/4/2020	11:45 AM	94	76	170
2/4/2020	12:00 PM	102	100	202
2/4/2020	12:15 PM	90	94	184
2/4/2020	12:30 PM	106	105	211
2/4/2020	12:45 PM	97	97	194
2/4/2020	01:00 PM	94	73	167
2/4/2020	01:15 PM	119	78	197
2/4/2020	01:30 PM	102	91	193
2/4/2020	01:45 PM	128	91	219
2/4/2020	02:00 PM	151	74	225
2/4/2020	02:15 PM	156	104	260
2/4/2020	02:30 PM	166	98	264
2/4/2020	02:45 PM	167	62	229
2/4/2020	03:00 PM	190	87	277
2/4/2020	03:15 PM	222	82	304
2/4/2020	03:30 PM	174	119	293
2/4/2020	03:45 PM	186	86	272
2/4/2020	04:00 PM	174	88	262
2/4/2020	04:15 PM	176	122	298
2/4/2020	04:30 PM	172	82	254
2/4/2020	04:45 PM	148	81	229
2/4/2020	05:00 PM	148	136	284
2/4/2020	05:15 PM	150	120	270
2/4/2020	05:30 PM	138	98	236
2/4/2020	05:45 PM	89	92	181
2/4/2020	06:00 PM	104	100	204
2/4/2020	06:15 PM	86	70	156
2/4/2020	06:30 PM	72	92	164
2/4/2020	06:45 PM	54	60	114
2/4/2020	07:00 PM	59	42	101
2/4/2020	07:15 PM	48	40	88
2/4/2020	07:30 PM	42	38	80
2/4/2020	07:45 PM	30	32	62
2/4/2020	08:00 PM	35	29	64
2/4/2020	08:15 PM	36	48	84
2/4/2020	08:30 PM	42	31	73
2/4/2020	08:45 PM	30	24	54
2/4/2020	09:00 PM	28	26	54
2/4/2020	09:15 PM	24	21	45
2/4/2020	09:30 PM	26	22	48
2/4/2020	09:45 PM	23	18	41
2/4/2020	10:00 PM	9	17	26
2/4/2020	10:15 PM	11	13	24
2/4/2020	10:30 PM	20	21	41

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	NB	SB	TOTAL
2/4/2020	10:45 PM	10	12	22
2/4/2020	11:00 PM	4	8	12
2/4/2020	11:15 PM	5	10	15
2/4/2020	11:30 PM	6	8	14
2/4/2020	11:45 PM	6	6	12
		6832	6820	13652

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

SP 399 N OF GREENVILLE DR

Start Date: 2/13/2020
Start Time: 12:00:00 AM
Site Code: 906 914

Date	Time	EB	WB	TOTAL
2/13/2020	12:00 AM	52	28	80
2/13/2020	12:15 AM	38	22	60
2/13/2020	12:30 AM	27	23	50
2/13/2020	12:45 AM	38	23	61
2/13/2020	01:00 AM	26	20	46
2/13/2020	01:15 AM	32	18	50
2/13/2020	01:30 AM	18	18	36
2/13/2020	01:45 AM	24	14	38
2/13/2020	02:00 AM	17	28	45
2/13/2020	02:15 AM	20	18	38
2/13/2020	02:30 AM	24	18	42
2/13/2020	02:45 AM	17	18	35
2/13/2020	03:00 AM	12	22	34
2/13/2020	03:15 AM	14	24	38
2/13/2020	03:30 AM	20	27	47
2/13/2020	03:45 AM	14	35	49
2/13/2020	04:00 AM	34	61	95
2/13/2020	04:15 AM	41	78	119
2/13/2020	04:30 AM	48	82	130
2/13/2020	04:45 AM	46	111	157
2/13/2020	05:00 AM	58	142	200
2/13/2020	05:15 AM	67	212	279
2/13/2020	05:30 AM	120	290	410
2/13/2020	05:45 AM	156	356	512
2/13/2020	06:00 AM	118	452	570
2/13/2020	06:15 AM	166	537	703
2/13/2020	06:30 AM	236	636	872
2/13/2020	06:45 AM	304	514	818
2/13/2020	07:00 AM	329	620	949
2/13/2020	07:15 AM	332	640	972
2/13/2020	07:30 AM	372	666	1038
2/13/2020	07:45 AM	392	652	1044
2/13/2020	08:00 AM	258	590	848
2/13/2020	08:15 AM	245	626	871
2/13/2020	08:30 AM	270	482	752
2/13/2020	08:45 AM	310	471	781
2/13/2020	09:00 AM	280	398	678
2/13/2020	09:15 AM	254	393	647
2/13/2020	09:30 AM	292	426	718
2/13/2020	09:45 AM	263	372	635
2/13/2020	10:00 AM	255	300	555
2/13/2020	10:15 AM	266	336	602

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	EB	WB	TOTAL
2/13/2020	10:30 AM	252	327	579
2/13/2020	10:45 AM	270	288	558
2/13/2020	11:00 AM	270	302	572
2/13/2020	11:15 AM	246	331	577
2/13/2020	11:30 AM	286	302	588
2/13/2020	11:45 AM	295	318	613
2/13/2020	12:00 PM	320	363	683
2/13/2020	12:15 PM	332	310	642
2/13/2020	12:30 PM	306	323	629
2/13/2020	12:45 PM	310	277	587
2/13/2020	01:00 PM	330	299	629
2/13/2020	01:15 PM	316	351	667
2/13/2020	01:30 PM	330	310	640
2/13/2020	01:45 PM	343	323	666
2/13/2020	02:00 PM	318	366	684
2/13/2020	02:15 PM	370	348	718
2/13/2020	02:30 PM	381	402	783
2/13/2020	02:45 PM	378	364	742
2/13/2020	03:00 PM	414	317	731
2/13/2020	03:15 PM	436	336	772
2/13/2020	03:30 PM	434	410	844
2/13/2020	03:45 PM	459	346	805
2/13/2020	04:00 PM	470	395	865
2/13/2020	04:15 PM	466	354	820
2/13/2020	04:30 PM	548	424	972
2/13/2020	04:45 PM	526	416	942
2/13/2020	05:00 PM	581	548	1129
2/13/2020	05:15 PM	550	472	1022
2/13/2020	05:30 PM	471	433	904
2/13/2020	05:45 PM	598	380	978
2/13/2020	06:00 PM	514	334	848
2/13/2020	06:15 PM	500	255	755
2/13/2020	06:30 PM	450	276	726
2/13/2020	06:45 PM	422	210	632
2/13/2020	07:00 PM	424	186	610
2/13/2020	07:15 PM	368	170	538
2/13/2020	07:30 PM	338	155	493
2/13/2020	07:45 PM	294	148	442
2/13/2020	08:00 PM	230	145	375
2/13/2020	08:15 PM	209	172	381
2/13/2020	08:30 PM	242	128	370
2/13/2020	08:45 PM	216	120	336
2/13/2020	09:00 PM	201	118	319
2/13/2020	09:15 PM	160	108	268
2/13/2020	09:30 PM	190	106	296
2/13/2020	09:45 PM	156	107	263
2/13/2020	10:00 PM	140	82	222
2/13/2020	10:15 PM	129	79	208
2/13/2020	10:30 PM	113	58	171

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	EB	WB	TOTAL
2/13/2020	10:45 PM	91	48	139
2/13/2020	11:00 PM	86	52	138
2/13/2020	11:15 PM	74	37	111
2/13/2020	11:30 PM	66	36	102
2/13/2020	11:45 PM	67	24	91
		23191	24688	47879

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

NB 75 TO NB 399

Start Date: 2/4/2020
Start Time: 12:00:00 AM
Site Code: 932

Date	Time	NB
2/4/2020	12:00 AM	20
2/4/2020	12:15 AM	14
2/4/2020	12:30 AM	20
2/4/2020	12:45 AM	16
2/4/2020	01:00 AM	9
2/4/2020	01:15 AM	11
2/4/2020	01:30 AM	14
2/4/2020	01:45 AM	14
2/4/2020	02:00 AM	5
2/4/2020	02:15 AM	12
2/4/2020	02:30 AM	10
2/4/2020	02:45 AM	2
2/4/2020	03:00 AM	7
2/4/2020	03:15 AM	12
2/4/2020	03:30 AM	10
2/4/2020	03:45 AM	12
2/4/2020	04:00 AM	12
2/4/2020	04:15 AM	11
2/4/2020	04:30 AM	16
2/4/2020	04:45 AM	22
2/4/2020	05:00 AM	19
2/4/2020	05:15 AM	36
2/4/2020	05:30 AM	58
2/4/2020	05:45 AM	88
2/4/2020	06:00 AM	62
2/4/2020	06:15 AM	82
2/4/2020	06:30 AM	84
2/4/2020	06:45 AM	97
2/4/2020	07:00 AM	104
2/4/2020	07:15 AM	115
2/4/2020	07:30 AM	154
2/4/2020	07:45 AM	134
2/4/2020	08:00 AM	110
2/4/2020	08:15 AM	92
2/4/2020	08:30 AM	98
2/4/2020	08:45 AM	128
2/4/2020	09:00 AM	80
2/4/2020	09:15 AM	94
2/4/2020	09:30 AM	96
2/4/2020	09:45 AM	94
2/4/2020	10:00 AM	120
2/4/2020	10:15 AM	107

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	NB
2/4/2020	10:30 AM	79
2/4/2020	10:45 AM	76
2/4/2020	11:00 AM	92
2/4/2020	11:15 AM	105
2/4/2020	11:30 AM	102
2/4/2020	11:45 AM	110
2/4/2020	12:00 PM	117
2/4/2020	12:15 PM	112
2/4/2020	12:30 PM	130
2/4/2020	12:45 PM	98
2/4/2020	01:00 PM	112
2/4/2020	01:15 PM	106
2/4/2020	01:30 PM	118
2/4/2020	01:45 PM	110
2/4/2020	02:00 PM	133
2/4/2020	02:15 PM	115
2/4/2020	02:30 PM	142
2/4/2020	02:45 PM	156
2/4/2020	03:00 PM	144
2/4/2020	03:15 PM	164
2/4/2020	03:30 PM	175
2/4/2020	03:45 PM	173
2/4/2020	04:00 PM	181
2/4/2020	04:15 PM	204
2/4/2020	04:30 PM	164
2/4/2020	04:45 PM	176
2/4/2020	05:00 PM	186
2/4/2020	05:15 PM	180
2/4/2020	05:30 PM	174
2/4/2020	05:45 PM	194
2/4/2020	06:00 PM	149
2/4/2020	06:15 PM	152
2/4/2020	06:30 PM	186
2/4/2020	06:45 PM	134
2/4/2020	07:00 PM	145
2/4/2020	07:15 PM	114
2/4/2020	07:30 PM	129
2/4/2020	07:45 PM	96
2/4/2020	08:00 PM	88
2/4/2020	08:15 PM	80
2/4/2020	08:30 PM	86
2/4/2020	08:45 PM	88
2/4/2020	09:00 PM	62
2/4/2020	09:15 PM	64
2/4/2020	09:30 PM	60
2/4/2020	09:45 PM	70
2/4/2020	10:00 PM	58
2/4/2020	10:15 PM	36
2/4/2020	10:30 PM	38

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	NB
2/4/2020	10:45 PM	38
2/4/2020	11:00 PM	34
2/4/2020	11:15 PM	36
2/4/2020	11:30 PM	28
2/4/2020	11:45 PM	25
		8425

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

NB 75 TO SB SRT

Start Date: 2/4/2020
Start Time: 12:00:00 AM
Site Code: 932

Date	Time	SB
2/4/2020	12:00 AM	5
2/4/2020	12:15 AM	6
2/4/2020	12:30 AM	4
2/4/2020	12:45 AM	3
2/4/2020	01:00 AM	4
2/4/2020	01:15 AM	2
2/4/2020	01:30 AM	2
2/4/2020	01:45 AM	4
2/4/2020	02:00 AM	3
2/4/2020	02:15 AM	4
2/4/2020	02:30 AM	1
2/4/2020	02:45 AM	1
2/4/2020	03:00 AM	3
2/4/2020	03:15 AM	6
2/4/2020	03:30 AM	1
2/4/2020	03:45 AM	4
2/4/2020	04:00 AM	11
2/4/2020	04:15 AM	5
2/4/2020	04:30 AM	10
2/4/2020	04:45 AM	10
2/4/2020	05:00 AM	11
2/4/2020	05:15 AM	15
2/4/2020	05:30 AM	14
2/4/2020	05:45 AM	32
2/4/2020	06:00 AM	40
2/4/2020	06:15 AM	68
2/4/2020	06:30 AM	53
2/4/2020	06:45 AM	82
2/4/2020	07:00 AM	68
2/4/2020	07:15 AM	76
2/4/2020	07:30 AM	86
2/4/2020	07:45 AM	102
2/4/2020	08:00 AM	84
2/4/2020	08:15 AM	84
2/4/2020	08:30 AM	82
2/4/2020	08:45 AM	97
2/4/2020	09:00 AM	80
2/4/2020	09:15 AM	110
2/4/2020	09:30 AM	110
2/4/2020	09:45 AM	96
2/4/2020	10:00 AM	90
2/4/2020	10:15 AM	94

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	SB
2/4/2020	10:30 AM	113
2/4/2020	10:45 AM	84
2/4/2020	11:00 AM	93
2/4/2020	11:15 AM	103
2/4/2020	11:30 AM	82
2/4/2020	11:45 AM	96
2/4/2020	12:00 PM	75
2/4/2020	12:15 PM	80
2/4/2020	12:30 PM	104
2/4/2020	12:45 PM	98
2/4/2020	01:00 PM	114
2/4/2020	01:15 PM	108
2/4/2020	01:30 PM	103
2/4/2020	01:45 PM	106
2/4/2020	02:00 PM	126
2/4/2020	02:15 PM	106
2/4/2020	02:30 PM	120
2/4/2020	02:45 PM	124
2/4/2020	03:00 PM	120
2/4/2020	03:15 PM	115
2/4/2020	03:30 PM	125
2/4/2020	03:45 PM	141
2/4/2020	04:00 PM	128
2/4/2020	04:15 PM	144
2/4/2020	04:30 PM	154
2/4/2020	04:45 PM	162
2/4/2020	05:00 PM	154
2/4/2020	05:15 PM	155
2/4/2020	05:30 PM	146
2/4/2020	05:45 PM	136
2/4/2020	06:00 PM	116
2/4/2020	06:15 PM	122
2/4/2020	06:30 PM	110
2/4/2020	06:45 PM	86
2/4/2020	07:00 PM	96
2/4/2020	07:15 PM	83
2/4/2020	07:30 PM	78
2/4/2020	07:45 PM	73
2/4/2020	08:00 PM	68
2/4/2020	08:15 PM	54
2/4/2020	08:30 PM	56
2/4/2020	08:45 PM	60
2/4/2020	09:00 PM	43
2/4/2020	09:15 PM	47
2/4/2020	09:30 PM	44
2/4/2020	09:45 PM	35
2/4/2020	10:00 PM	26
2/4/2020	10:15 PM	25
2/4/2020	10:30 PM	32

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	SB
2/4/2020	10:45 PM	17
2/4/2020	11:00 PM	12
2/4/2020	11:15 PM	16
2/4/2020	11:30 PM	22
2/4/2020	11:45 PM	12
		6511

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

NB SRT TO NB 75

Start Date: 2/4/2020
Start Time: 12:00:00 AM
Site Code: 920

Date	Time	NB
2/4/2020	12:00 AM	42
2/4/2020	12:15 AM	36
2/4/2020	12:30 AM	40
2/4/2020	12:45 AM	37
2/4/2020	01:00 AM	17
2/4/2020	01:15 AM	32
2/4/2020	01:30 AM	32
2/4/2020	01:45 AM	22
2/4/2020	02:00 AM	19
2/4/2020	02:15 AM	16
2/4/2020	02:30 AM	23
2/4/2020	02:45 AM	20
2/4/2020	03:00 AM	26
2/4/2020	03:15 AM	22
2/4/2020	03:30 AM	38
2/4/2020	03:45 AM	46
2/4/2020	04:00 AM	40
2/4/2020	04:15 AM	42
2/4/2020	04:30 AM	46
2/4/2020	04:45 AM	28
2/4/2020	05:00 AM	60
2/4/2020	05:15 AM	89
2/4/2020	05:30 AM	100
2/4/2020	05:45 AM	74
2/4/2020	06:00 AM	98
2/4/2020	06:15 AM	147
2/4/2020	06:30 AM	179
2/4/2020	06:45 AM	228
2/4/2020	07:00 AM	319
2/4/2020	07:15 AM	336
2/4/2020	07:30 AM	320
2/4/2020	07:45 AM	329
2/4/2020	08:00 AM	258
2/4/2020	08:15 AM	313
2/4/2020	08:30 AM	246
2/4/2020	08:45 AM	300
2/4/2020	09:00 AM	276
2/4/2020	09:15 AM	282
2/4/2020	09:30 AM	280
2/4/2020	09:45 AM	286
2/4/2020	10:00 AM	306
2/4/2020	10:15 AM	264

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	NB
2/4/2020	10:30 AM	240
2/4/2020	10:45 AM	247
2/4/2020	11:00 AM	295
2/4/2020	11:15 AM	262
2/4/2020	11:30 AM	276
2/4/2020	11:45 AM	290
2/4/2020	12:00 PM	269
2/4/2020	12:15 PM	276
2/4/2020	12:30 PM	299
2/4/2020	12:45 PM	293
2/4/2020	01:00 PM	266
2/4/2020	01:15 PM	288
2/4/2020	01:30 PM	290
2/4/2020	01:45 PM	292
2/4/2020	02:00 PM	291
2/4/2020	02:15 PM	306
2/4/2020	02:30 PM	302
2/4/2020	02:45 PM	352
2/4/2020	03:00 PM	370
2/4/2020	03:15 PM	370
2/4/2020	03:30 PM	396
2/4/2020	03:45 PM	418
2/4/2020	04:00 PM	450
2/4/2020	04:15 PM	494
2/4/2020	04:30 PM	485
2/4/2020	04:45 PM	488
2/4/2020	05:00 PM	500
2/4/2020	05:15 PM	534
2/4/2020	05:30 PM	476
2/4/2020	05:45 PM	439
2/4/2020	06:00 PM	368
2/4/2020	06:15 PM	372
2/4/2020	06:30 PM	378
2/4/2020	06:45 PM	329
2/4/2020	07:00 PM	264
2/4/2020	07:15 PM	214
2/4/2020	07:30 PM	192
2/4/2020	07:45 PM	151
2/4/2020	08:00 PM	162
2/4/2020	08:15 PM	143
2/4/2020	08:30 PM	116
2/4/2020	08:45 PM	126
2/4/2020	09:00 PM	142
2/4/2020	09:15 PM	124
2/4/2020	09:30 PM	109
2/4/2020	09:45 PM	94
2/4/2020	10:00 PM	90
2/4/2020	10:15 PM	92
2/4/2020	10:30 PM	66

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	NB
2/4/2020	10:45 PM	54
2/4/2020	11:00 PM	56
2/4/2020	11:15 PM	53
2/4/2020	11:30 PM	50
2/4/2020	11:45 PM	34
		20047

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

NB SRT TO SB 75

Start Date: 2/4/2020
Start Time: 12:00:00 AM
Site Code: 920

Date	Time	SB
2/4/2020	12:00 AM	4
2/4/2020	12:15 AM	4
2/4/2020	12:30 AM	3
2/4/2020	12:45 AM	4
2/4/2020	01:00 AM	1
2/4/2020	01:15 AM	3
2/4/2020	01:30 AM	4
2/4/2020	01:45 AM	4
2/4/2020	02:00 AM	4
2/4/2020	02:15 AM	1
2/4/2020	02:30 AM	1
2/4/2020	02:45 AM	0
2/4/2020	03:00 AM	2
2/4/2020	03:15 AM	3
2/4/2020	03:30 AM	6
2/4/2020	03:45 AM	0
2/4/2020	04:00 AM	1
2/4/2020	04:15 AM	0
2/4/2020	04:30 AM	4
2/4/2020	04:45 AM	11
2/4/2020	05:00 AM	14
2/4/2020	05:15 AM	22
2/4/2020	05:30 AM	21
2/4/2020	05:45 AM	32
2/4/2020	06:00 AM	44
2/4/2020	06:15 AM	64
2/4/2020	06:30 AM	63
2/4/2020	06:45 AM	80
2/4/2020	07:00 AM	78
2/4/2020	07:15 AM	99
2/4/2020	07:30 AM	74
2/4/2020	07:45 AM	76
2/4/2020	08:00 AM	92
2/4/2020	08:15 AM	83
2/4/2020	08:30 AM	69
2/4/2020	08:45 AM	78
2/4/2020	09:00 AM	74
2/4/2020	09:15 AM	78
2/4/2020	09:30 AM	71
2/4/2020	09:45 AM	86
2/4/2020	10:00 AM	72
2/4/2020	10:15 AM	82

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	SB
2/4/2020	10:30 AM	76
2/4/2020	10:45 AM	73
2/4/2020	11:00 AM	77
2/4/2020	11:15 AM	92
2/4/2020	11:30 AM	92
2/4/2020	11:45 AM	75
2/4/2020	12:00 PM	78
2/4/2020	12:15 PM	91
2/4/2020	12:30 PM	76
2/4/2020	12:45 PM	81
2/4/2020	01:00 PM	87
2/4/2020	01:15 PM	66
2/4/2020	01:30 PM	78
2/4/2020	01:45 PM	75
2/4/2020	02:00 PM	90
2/4/2020	02:15 PM	75
2/4/2020	02:30 PM	72
2/4/2020	02:45 PM	79
2/4/2020	03:00 PM	73
2/4/2020	03:15 PM	82
2/4/2020	03:30 PM	79
2/4/2020	03:45 PM	70
2/4/2020	04:00 PM	82
2/4/2020	04:15 PM	108
2/4/2020	04:30 PM	92
2/4/2020	04:45 PM	82
2/4/2020	05:00 PM	100
2/4/2020	05:15 PM	87
2/4/2020	05:30 PM	96
2/4/2020	05:45 PM	84
2/4/2020	06:00 PM	68
2/4/2020	06:15 PM	80
2/4/2020	06:30 PM	74
2/4/2020	06:45 PM	70
2/4/2020	07:00 PM	60
2/4/2020	07:15 PM	50
2/4/2020	07:30 PM	33
2/4/2020	07:45 PM	29
2/4/2020	08:00 PM	36
2/4/2020	08:15 PM	30
2/4/2020	08:30 PM	31
2/4/2020	08:45 PM	27
2/4/2020	09:00 PM	28
2/4/2020	09:15 PM	34
2/4/2020	09:30 PM	26
2/4/2020	09:45 PM	9
2/4/2020	10:00 PM	14
2/4/2020	10:15 PM	10
2/4/2020	10:30 PM	7

Date	Time	SB
2/4/2020	10:45 PM	10
2/4/2020	11:00 PM	14
2/4/2020	11:15 PM	12
2/4/2020	11:30 PM	4
2/4/2020	11:45 PM	2
		4738

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

SB 75 TO SB SRT

Start Date: 2/4/2020
Start Time: 12:00:00 AM
Site Code: 925

Date	Time	SB
2/4/2020	12:00 AM	18
2/4/2020	12:15 AM	31
2/4/2020	12:30 AM	28
2/4/2020	12:45 AM	20
2/4/2020	01:00 AM	18
2/4/2020	01:15 AM	15
2/4/2020	01:30 AM	28
2/4/2020	01:45 AM	16
2/4/2020	02:00 AM	26
2/4/2020	02:15 AM	16
2/4/2020	02:30 AM	35
2/4/2020	02:45 AM	17
2/4/2020	03:00 AM	26
2/4/2020	03:15 AM	18
2/4/2020	03:30 AM	26
2/4/2020	03:45 AM	19
2/4/2020	04:00 AM	44
2/4/2020	04:15 AM	32
2/4/2020	04:30 AM	62
2/4/2020	04:45 AM	98
2/4/2020	05:00 AM	98
2/4/2020	05:15 AM	131
2/4/2020	05:30 AM	190
2/4/2020	05:45 AM	228
2/4/2020	06:00 AM	318
2/4/2020	06:15 AM	434
2/4/2020	06:30 AM	498
2/4/2020	06:45 AM	462
2/4/2020	07:00 AM	486
2/4/2020	07:15 AM	534
2/4/2020	07:30 AM	541
2/4/2020	07:45 AM	458
2/4/2020	08:00 AM	336
2/4/2020	08:15 AM	407
2/4/2020	08:30 AM	347
2/4/2020	08:45 AM	343
2/4/2020	09:00 AM	336
2/4/2020	09:15 AM	396
2/4/2020	09:30 AM	356
2/4/2020	09:45 AM	302
2/4/2020	10:00 AM	310
2/4/2020	10:15 AM	272

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	SB
2/4/2020	10:30 AM	324
2/4/2020	10:45 AM	276
2/4/2020	11:00 AM	256
2/4/2020	11:15 AM	277
2/4/2020	11:30 AM	280
2/4/2020	11:45 AM	231
2/4/2020	12:00 PM	281
2/4/2020	12:15 PM	267
2/4/2020	12:30 PM	278
2/4/2020	12:45 PM	294
2/4/2020	01:00 PM	282
2/4/2020	01:15 PM	270
2/4/2020	01:30 PM	266
2/4/2020	01:45 PM	272
2/4/2020	02:00 PM	270
2/4/2020	02:15 PM	278
2/4/2020	02:30 PM	292
2/4/2020	02:45 PM	296
2/4/2020	03:00 PM	249
2/4/2020	03:15 PM	252
2/4/2020	03:30 PM	274
2/4/2020	03:45 PM	278
2/4/2020	04:00 PM	299
2/4/2020	04:15 PM	299
2/4/2020	04:30 PM	306
2/4/2020	04:45 PM	300
2/4/2020	05:00 PM	326
2/4/2020	05:15 PM	312
2/4/2020	05:30 PM	313
2/4/2020	05:45 PM	324
2/4/2020	06:00 PM	278
2/4/2020	06:15 PM	248
2/4/2020	06:30 PM	206
2/4/2020	06:45 PM	184
2/4/2020	07:00 PM	162
2/4/2020	07:15 PM	132
2/4/2020	07:30 PM	142
2/4/2020	07:45 PM	114
2/4/2020	08:00 PM	112
2/4/2020	08:15 PM	98
2/4/2020	08:30 PM	98
2/4/2020	08:45 PM	94
2/4/2020	09:00 PM	101
2/4/2020	09:15 PM	79
2/4/2020	09:30 PM	59
2/4/2020	09:45 PM	72
2/4/2020	10:00 PM	74
2/4/2020	10:15 PM	55
2/4/2020	10:30 PM	36

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	SB
2/4/2020	10:45 PM	52
2/4/2020	11:00 PM	37
2/4/2020	11:15 PM	32
2/4/2020	11:30 PM	38
2/4/2020	11:45 PM	30
		19431

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

SB 399 TO SB 75

Start Date: 2/4/2020
Start Time: 12:00:00 AM
Site Code: 813

Date	Time	SB
2/4/2020	12:00 AM	14
2/4/2020	12:15 AM	34
2/4/2020	12:30 AM	9
2/4/2020	12:45 AM	12
2/4/2020	01:00 AM	10
2/4/2020	01:15 AM	6
2/4/2020	01:30 AM	12
2/4/2020	01:45 AM	2
2/4/2020	02:00 AM	4
2/4/2020	02:15 AM	8
2/4/2020	02:30 AM	6
2/4/2020	02:45 AM	12
2/4/2020	03:00 AM	13
2/4/2020	03:15 AM	11
2/4/2020	03:30 AM	8
2/4/2020	03:45 AM	28
2/4/2020	04:00 AM	42
2/4/2020	04:15 AM	28
2/4/2020	04:30 AM	44
2/4/2020	04:45 AM	46
2/4/2020	05:00 AM	64
2/4/2020	05:15 AM	102
2/4/2020	05:30 AM	155
2/4/2020	05:45 AM	174
2/4/2020	06:00 AM	210
2/4/2020	06:15 AM	248
2/4/2020	06:30 AM	244
2/4/2020	06:45 AM	192
2/4/2020	07:00 AM	216
2/4/2020	07:15 AM	212
2/4/2020	07:30 AM	220
2/4/2020	07:45 AM	222
2/4/2020	08:00 AM	207
2/4/2020	08:15 AM	224
2/4/2020	08:30 AM	195
2/4/2020	08:45 AM	154
2/4/2020	09:00 AM	156
2/4/2020	09:15 AM	162
2/4/2020	09:30 AM	156
2/4/2020	09:45 AM	146
2/4/2020	10:00 AM	111
2/4/2020	10:15 AM	139

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	SB
2/4/2020	10:30 AM	134
2/4/2020	10:45 AM	136
2/4/2020	11:00 AM	102
2/4/2020	11:15 AM	114
2/4/2020	11:30 AM	108
2/4/2020	11:45 AM	138
2/4/2020	12:00 PM	110
2/4/2020	12:15 PM	110
2/4/2020	12:30 PM	116
2/4/2020	12:45 PM	126
2/4/2020	01:00 PM	120
2/4/2020	01:15 PM	112
2/4/2020	01:30 PM	118
2/4/2020	01:45 PM	122
2/4/2020	02:00 PM	113
2/4/2020	02:15 PM	110
2/4/2020	02:30 PM	152
2/4/2020	02:45 PM	130
2/4/2020	03:00 PM	132
2/4/2020	03:15 PM	128
2/4/2020	03:30 PM	136
2/4/2020	03:45 PM	138
2/4/2020	04:00 PM	140
2/4/2020	04:15 PM	140
2/4/2020	04:30 PM	126
2/4/2020	04:45 PM	118
2/4/2020	05:00 PM	170
2/4/2020	05:15 PM	177
2/4/2020	05:30 PM	166
2/4/2020	05:45 PM	146
2/4/2020	06:00 PM	140
2/4/2020	06:15 PM	110
2/4/2020	06:30 PM	115
2/4/2020	06:45 PM	86
2/4/2020	07:00 PM	90
2/4/2020	07:15 PM	82
2/4/2020	07:30 PM	54
2/4/2020	07:45 PM	70
2/4/2020	08:00 PM	56
2/4/2020	08:15 PM	61
2/4/2020	08:30 PM	39
2/4/2020	08:45 PM	50
2/4/2020	09:00 PM	42
2/4/2020	09:15 PM	33
2/4/2020	09:30 PM	38
2/4/2020	09:45 PM	34
2/4/2020	10:00 PM	36
2/4/2020	10:15 PM	21
2/4/2020	10:30 PM	26

Date	Time	SB
2/4/2020	10:45 PM	20
2/4/2020	11:00 PM	22
2/4/2020	11:15 PM	10
2/4/2020	11:30 PM	10
2/4/2020	11:45 PM	15
		9406

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

NB 75 FR TO NB 399 FR

Start Date: 2/4/2020
Start Time: 12:00:00 AM
Site Code: 940

Date	Time	NB
2/4/2020	12:00 AM	2
2/4/2020	12:15 AM	3
2/4/2020	12:30 AM	5
2/4/2020	12:45 AM	0
2/4/2020	01:00 AM	2
2/4/2020	01:15 AM	1
2/4/2020	01:30 AM	0
2/4/2020	01:45 AM	1
2/4/2020	02:00 AM	2
2/4/2020	02:15 AM	1
2/4/2020	02:30 AM	1
2/4/2020	02:45 AM	1
2/4/2020	03:00 AM	1
2/4/2020	03:15 AM	0
2/4/2020	03:30 AM	2
2/4/2020	03:45 AM	3
2/4/2020	04:00 AM	1
2/4/2020	04:15 AM	1
2/4/2020	04:30 AM	1
2/4/2020	04:45 AM	2
2/4/2020	05:00 AM	1
2/4/2020	05:15 AM	4
2/4/2020	05:30 AM	7
2/4/2020	05:45 AM	32
2/4/2020	06:00 AM	34
2/4/2020	06:15 AM	33
2/4/2020	06:30 AM	29
2/4/2020	06:45 AM	29
2/4/2020	07:00 AM	27
2/4/2020	07:15 AM	30
2/4/2020	07:30 AM	28
2/4/2020	07:45 AM	44
2/4/2020	08:00 AM	18
2/4/2020	08:15 AM	49
2/4/2020	08:30 AM	46
2/4/2020	08:45 AM	32
2/4/2020	09:00 AM	26
2/4/2020	09:15 AM	28
2/4/2020	09:30 AM	31
2/4/2020	09:45 AM	33
2/4/2020	10:00 AM	28
2/4/2020	10:15 AM	22

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	NB
2/4/2020	10:30 AM	26
2/4/2020	10:45 AM	27
2/4/2020	11:00 AM	29
2/4/2020	11:15 AM	24
2/4/2020	11:30 AM	23
2/4/2020	11:45 AM	28
2/4/2020	12:00 PM	26
2/4/2020	12:15 PM	30
2/4/2020	12:30 PM	28
2/4/2020	12:45 PM	40
2/4/2020	01:00 PM	23
2/4/2020	01:15 PM	24
2/4/2020	01:30 PM	23
2/4/2020	01:45 PM	34
2/4/2020	02:00 PM	24
2/4/2020	02:15 PM	29
2/4/2020	02:30 PM	44
2/4/2020	02:45 PM	28
2/4/2020	03:00 PM	42
2/4/2020	03:15 PM	30
2/4/2020	03:30 PM	32
2/4/2020	03:45 PM	32
2/4/2020	04:00 PM	48
2/4/2020	04:15 PM	36
2/4/2020	04:30 PM	39
2/4/2020	04:45 PM	36
2/4/2020	05:00 PM	34
2/4/2020	05:15 PM	30
2/4/2020	05:30 PM	35
2/4/2020	05:45 PM	38
2/4/2020	06:00 PM	40
2/4/2020	06:15 PM	24
2/4/2020	06:30 PM	34
2/4/2020	06:45 PM	22
2/4/2020	07:00 PM	22
2/4/2020	07:15 PM	25
2/4/2020	07:30 PM	15
2/4/2020	07:45 PM	16
2/4/2020	08:00 PM	17
2/4/2020	08:15 PM	19
2/4/2020	08:30 PM	11
2/4/2020	08:45 PM	7
2/4/2020	09:00 PM	10
2/4/2020	09:15 PM	9
2/4/2020	09:30 PM	12
2/4/2020	09:45 PM	11
2/4/2020	10:00 PM	4
2/4/2020	10:15 PM	5
2/4/2020	10:30 PM	7

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	NB
2/4/2020	10:45 PM	6
2/4/2020	11:00 PM	2
2/4/2020	11:15 PM	5
2/4/2020	11:30 PM	2
2/4/2020	11:45 PM	4
		1912

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

NB 75 FR TO SB SRT FR

Start Date: 2/4/2020
Start Time: 12:00:00 AM
Site Code: 851

Date	Time	SB
2/4/2020	12:00 AM	2
2/4/2020	12:15 AM	1
2/4/2020	12:30 AM	3
2/4/2020	12:45 AM	3
2/4/2020	01:00 AM	2
2/4/2020	01:15 AM	0
2/4/2020	01:30 AM	4
2/4/2020	01:45 AM	1
2/4/2020	02:00 AM	3
2/4/2020	02:15 AM	1
2/4/2020	02:30 AM	0
2/4/2020	02:45 AM	1
2/4/2020	03:00 AM	2
2/4/2020	03:15 AM	0
2/4/2020	03:30 AM	0
2/4/2020	03:45 AM	1
2/4/2020	04:00 AM	0
2/4/2020	04:15 AM	1
2/4/2020	04:30 AM	1
2/4/2020	04:45 AM	1
2/4/2020	05:00 AM	1
2/4/2020	05:15 AM	1
2/4/2020	05:30 AM	4
2/4/2020	05:45 AM	12
2/4/2020	06:00 AM	4
2/4/2020	06:15 AM	8
2/4/2020	06:30 AM	8
2/4/2020	06:45 AM	16
2/4/2020	07:00 AM	19
2/4/2020	07:15 AM	13
2/4/2020	07:30 AM	33
2/4/2020	07:45 AM	31
2/4/2020	08:00 AM	16
2/4/2020	08:15 AM	18
2/4/2020	08:30 AM	10
2/4/2020	08:45 AM	15
2/4/2020	09:00 AM	17
2/4/2020	09:15 AM	14
2/4/2020	09:30 AM	14
2/4/2020	09:45 AM	7
2/4/2020	10:00 AM	22
2/4/2020	10:15 AM	20

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	SB
2/4/2020	10:30 AM	22
2/4/2020	10:45 AM	14
2/4/2020	11:00 AM	22
2/4/2020	11:15 AM	17
2/4/2020	11:30 AM	24
2/4/2020	11:45 AM	14
2/4/2020	12:00 PM	30
2/4/2020	12:15 PM	21
2/4/2020	12:30 PM	32
2/4/2020	12:45 PM	20
2/4/2020	01:00 PM	25
2/4/2020	01:15 PM	25
2/4/2020	01:30 PM	24
2/4/2020	01:45 PM	19
2/4/2020	02:00 PM	32
2/4/2020	02:15 PM	53
2/4/2020	02:30 PM	40
2/4/2020	02:45 PM	46
2/4/2020	03:00 PM	35
2/4/2020	03:15 PM	31
2/4/2020	03:30 PM	51
2/4/2020	03:45 PM	56
2/4/2020	04:00 PM	66
2/4/2020	04:15 PM	72
2/4/2020	04:30 PM	58
2/4/2020	04:45 PM	84
2/4/2020	05:00 PM	80
2/4/2020	05:15 PM	83
2/4/2020	05:30 PM	99
2/4/2020	05:45 PM	70
2/4/2020	06:00 PM	77
2/4/2020	06:15 PM	69
2/4/2020	06:30 PM	56
2/4/2020	06:45 PM	52
2/4/2020	07:00 PM	58
2/4/2020	07:15 PM	55
2/4/2020	07:30 PM	42
2/4/2020	07:45 PM	32
2/4/2020	08:00 PM	30
2/4/2020	08:15 PM	37
2/4/2020	08:30 PM	36
2/4/2020	08:45 PM	16
2/4/2020	09:00 PM	27
2/4/2020	09:15 PM	29
2/4/2020	09:30 PM	32
2/4/2020	09:45 PM	25
2/4/2020	10:00 PM	10
2/4/2020	10:15 PM	9
2/4/2020	10:30 PM	11

Date	Time	SB
2/4/2020	10:45 PM	7
2/4/2020	11:00 PM	3
2/4/2020	11:15 PM	7
2/4/2020	11:30 PM	13
2/4/2020	11:45 PM	4
		2332

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

NB 399 FR TO NB 75 FR

Start Date: 2/4/2020
Start Time: 12:00:00 AM
Site Code: 942

Date	Time	NB
2/4/2020	12:00 AM	7
2/4/2020	12:15 AM	7
2/4/2020	12:30 AM	5
2/4/2020	12:45 AM	3
2/4/2020	01:00 AM	6
2/4/2020	01:15 AM	5
2/4/2020	01:30 AM	0
2/4/2020	01:45 AM	1
2/4/2020	02:00 AM	2
2/4/2020	02:15 AM	1
2/4/2020	02:30 AM	1
2/4/2020	02:45 AM	1
2/4/2020	03:00 AM	3
2/4/2020	03:15 AM	3
2/4/2020	03:30 AM	1
2/4/2020	03:45 AM	2
2/4/2020	04:00 AM	2
2/4/2020	04:15 AM	5
2/4/2020	04:30 AM	6
2/4/2020	04:45 AM	5
2/4/2020	05:00 AM	10
2/4/2020	05:15 AM	8
2/4/2020	05:30 AM	12
2/4/2020	05:45 AM	14
2/4/2020	06:00 AM	12
2/4/2020	06:15 AM	16
2/4/2020	06:30 AM	32
2/4/2020	06:45 AM	26
2/4/2020	07:00 AM	54
2/4/2020	07:15 AM	56
2/4/2020	07:30 AM	66
2/4/2020	07:45 AM	74
2/4/2020	08:00 AM	48
2/4/2020	08:15 AM	76
2/4/2020	08:30 AM	46
2/4/2020	08:45 AM	50
2/4/2020	09:00 AM	40
2/4/2020	09:15 AM	48
2/4/2020	09:30 AM	50
2/4/2020	09:45 AM	27
2/4/2020	10:00 AM	38
2/4/2020	10:15 AM	34

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	NB
2/4/2020	10:30 AM	40
2/4/2020	10:45 AM	33
2/4/2020	11:00 AM	50
2/4/2020	11:15 AM	41
2/4/2020	11:30 AM	38
2/4/2020	11:45 AM	41
2/4/2020	12:00 PM	38
2/4/2020	12:15 PM	31
2/4/2020	12:30 PM	50
2/4/2020	12:45 PM	39
2/4/2020	01:00 PM	32
2/4/2020	01:15 PM	42
2/4/2020	01:30 PM	50
2/4/2020	01:45 PM	46
2/4/2020	02:00 PM	53
2/4/2020	02:15 PM	54
2/4/2020	02:30 PM	63
2/4/2020	02:45 PM	64
2/4/2020	03:00 PM	68
2/4/2020	03:15 PM	50
2/4/2020	03:30 PM	86
2/4/2020	03:45 PM	68
2/4/2020	04:00 PM	86
2/4/2020	04:15 PM	78
2/4/2020	04:30 PM	85
2/4/2020	04:45 PM	99
2/4/2020	05:00 PM	106
2/4/2020	05:15 PM	112
2/4/2020	05:30 PM	98
2/4/2020	05:45 PM	88
2/4/2020	06:00 PM	80
2/4/2020	06:15 PM	90
2/4/2020	06:30 PM	73
2/4/2020	06:45 PM	53
2/4/2020	07:00 PM	58
2/4/2020	07:15 PM	54
2/4/2020	07:30 PM	42
2/4/2020	07:45 PM	33
2/4/2020	08:00 PM	32
2/4/2020	08:15 PM	34
2/4/2020	08:30 PM	30
2/4/2020	08:45 PM	28
2/4/2020	09:00 PM	34
2/4/2020	09:15 PM	20
2/4/2020	09:30 PM	34
2/4/2020	09:45 PM	15
2/4/2020	10:00 PM	26
2/4/2020	10:15 PM	20
2/4/2020	10:30 PM	12

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	NB
2/4/2020	10:45 PM	16
2/4/2020	11:00 PM	14
2/4/2020	11:15 PM	7
2/4/2020	11:30 PM	10
2/4/2020	11:45 PM	6
		3553

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

NB SRT FR TO NB 399

Start Date: 2/4/2020
Start Time: 12:00:00 AM
Site Code: 807

Date	Time	NB
2/4/2020	12:00 AM	18
2/4/2020	12:15 AM	14
2/4/2020	12:30 AM	9
2/4/2020	12:45 AM	6
2/4/2020	01:00 AM	12
2/4/2020	01:15 AM	10
2/4/2020	01:30 AM	2
2/4/2020	01:45 AM	5
2/4/2020	02:00 AM	5
2/4/2020	02:15 AM	3
2/4/2020	02:30 AM	0
2/4/2020	02:45 AM	4
2/4/2020	03:00 AM	4
2/4/2020	03:15 AM	4
2/4/2020	03:30 AM	3
2/4/2020	03:45 AM	6
2/4/2020	04:00 AM	7
2/4/2020	04:15 AM	8
2/4/2020	04:30 AM	8
2/4/2020	04:45 AM	7
2/4/2020	05:00 AM	12
2/4/2020	05:15 AM	20
2/4/2020	05:30 AM	25
2/4/2020	05:45 AM	40
2/4/2020	06:00 AM	22
2/4/2020	06:15 AM	47
2/4/2020	06:30 AM	50
2/4/2020	06:45 AM	74
2/4/2020	07:00 AM	97
2/4/2020	07:15 AM	125
2/4/2020	07:30 AM	97
2/4/2020	07:45 AM	154
2/4/2020	08:00 AM	118
2/4/2020	08:15 AM	114
2/4/2020	08:30 AM	112
2/4/2020	08:45 AM	93
2/4/2020	09:00 AM	86
2/4/2020	09:15 AM	83
2/4/2020	09:30 AM	88
2/4/2020	09:45 AM	65
2/4/2020	10:00 AM	77
2/4/2020	10:15 AM	62

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	NB
2/4/2020	10:30 AM	76
2/4/2020	10:45 AM	72
2/4/2020	11:00 AM	82
2/4/2020	11:15 AM	92
2/4/2020	11:30 AM	72
2/4/2020	11:45 AM	78
2/4/2020	12:00 PM	72
2/4/2020	12:15 PM	69
2/4/2020	12:30 PM	94
2/4/2020	12:45 PM	92
2/4/2020	01:00 PM	72
2/4/2020	01:15 PM	96
2/4/2020	01:30 PM	86
2/4/2020	01:45 PM	96
2/4/2020	02:00 PM	106
2/4/2020	02:15 PM	112
2/4/2020	02:30 PM	112
2/4/2020	02:45 PM	114
2/4/2020	03:00 PM	132
2/4/2020	03:15 PM	140
2/4/2020	03:30 PM	168
2/4/2020	03:45 PM	148
2/4/2020	04:00 PM	151
2/4/2020	04:15 PM	149
2/4/2020	04:30 PM	166
2/4/2020	04:45 PM	197
2/4/2020	05:00 PM	196
2/4/2020	05:15 PM	181
2/4/2020	05:30 PM	202
2/4/2020	05:45 PM	167
2/4/2020	06:00 PM	154
2/4/2020	06:15 PM	180
2/4/2020	06:30 PM	176
2/4/2020	06:45 PM	128
2/4/2020	07:00 PM	106
2/4/2020	07:15 PM	110
2/4/2020	07:30 PM	92
2/4/2020	07:45 PM	73
2/4/2020	08:00 PM	62
2/4/2020	08:15 PM	71
2/4/2020	08:30 PM	57
2/4/2020	08:45 PM	52
2/4/2020	09:00 PM	68
2/4/2020	09:15 PM	45
2/4/2020	09:30 PM	54
2/4/2020	09:45 PM	42
2/4/2020	10:00 PM	40
2/4/2020	10:15 PM	54
2/4/2020	10:30 PM	38

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	NB
2/4/2020	10:45 PM	34
2/4/2020	11:00 PM	32
2/4/2020	11:15 PM	21
2/4/2020	11:30 PM	22
2/4/2020	11:45 PM	23
		7120

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

NB SRT FR TO SB 75 FR

Start Date: 2/4/2020
Start Time: 12:00:00 AM
Site Code: 807

Date	Time	SB
2/4/2020	12:00 AM	1
2/4/2020	12:15 AM	7
2/4/2020	12:30 AM	2
2/4/2020	12:45 AM	3
2/4/2020	01:00 AM	2
2/4/2020	01:15 AM	2
2/4/2020	01:30 AM	0
2/4/2020	01:45 AM	1
2/4/2020	02:00 AM	2
2/4/2020	02:15 AM	2
2/4/2020	02:30 AM	0
2/4/2020	02:45 AM	3
2/4/2020	03:00 AM	3
2/4/2020	03:15 AM	2
2/4/2020	03:30 AM	2
2/4/2020	03:45 AM	1
2/4/2020	04:00 AM	4
2/4/2020	04:15 AM	5
2/4/2020	04:30 AM	8
2/4/2020	04:45 AM	12
2/4/2020	05:00 AM	12
2/4/2020	05:15 AM	30
2/4/2020	05:30 AM	30
2/4/2020	05:45 AM	45
2/4/2020	06:00 AM	57
2/4/2020	06:15 AM	60
2/4/2020	06:30 AM	62
2/4/2020	06:45 AM	64
2/4/2020	07:00 AM	59
2/4/2020	07:15 AM	93
2/4/2020	07:30 AM	80
2/4/2020	07:45 AM	90
2/4/2020	08:00 AM	79
2/4/2020	08:15 AM	81
2/4/2020	08:30 AM	58
2/4/2020	08:45 AM	55
2/4/2020	09:00 AM	62
2/4/2020	09:15 AM	52
2/4/2020	09:30 AM	54
2/4/2020	09:45 AM	44
2/4/2020	10:00 AM	34
2/4/2020	10:15 AM	42

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	SB
2/4/2020	10:30 AM	45
2/4/2020	10:45 AM	44
2/4/2020	11:00 AM	40
2/4/2020	11:15 AM	50
2/4/2020	11:30 AM	43
2/4/2020	11:45 AM	38
2/4/2020	12:00 PM	37
2/4/2020	12:15 PM	36
2/4/2020	12:30 PM	39
2/4/2020	12:45 PM	37
2/4/2020	01:00 PM	28
2/4/2020	01:15 PM	30
2/4/2020	01:30 PM	47
2/4/2020	01:45 PM	47
2/4/2020	02:00 PM	40
2/4/2020	02:15 PM	32
2/4/2020	02:30 PM	46
2/4/2020	02:45 PM	38
2/4/2020	03:00 PM	40
2/4/2020	03:15 PM	55
2/4/2020	03:30 PM	40
2/4/2020	03:45 PM	52
2/4/2020	04:00 PM	46
2/4/2020	04:15 PM	55
2/4/2020	04:30 PM	62
2/4/2020	04:45 PM	58
2/4/2020	05:00 PM	65
2/4/2020	05:15 PM	60
2/4/2020	05:30 PM	64
2/4/2020	05:45 PM	60
2/4/2020	06:00 PM	34
2/4/2020	06:15 PM	49
2/4/2020	06:30 PM	43
2/4/2020	06:45 PM	45
2/4/2020	07:00 PM	44
2/4/2020	07:15 PM	39
2/4/2020	07:30 PM	20
2/4/2020	07:45 PM	20
2/4/2020	08:00 PM	16
2/4/2020	08:15 PM	18
2/4/2020	08:30 PM	14
2/4/2020	08:45 PM	18
2/4/2020	09:00 PM	13
2/4/2020	09:15 PM	20
2/4/2020	09:30 PM	14
2/4/2020	09:45 PM	7
2/4/2020	10:00 PM	6
2/4/2020	10:15 PM	8
2/4/2020	10:30 PM	12

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	SB
2/4/2020	10:45 PM	4
2/4/2020	11:00 PM	10
2/4/2020	11:15 PM	4
2/4/2020	11:30 PM	6
2/4/2020	11:45 PM	2
		3145

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

SB 75 FR TO NB 399 FR

Start Date: 2/4/2020
Start Time: 12:00:00 AM
Site Code: 863

Date	Time	NB
2/4/2020	12:00 AM	1
2/4/2020	12:15 AM	4
2/4/2020	12:30 AM	2
2/4/2020	12:45 AM	2
2/4/2020	01:00 AM	1
2/4/2020	01:15 AM	0
2/4/2020	01:30 AM	0
2/4/2020	01:45 AM	4
2/4/2020	02:00 AM	0
2/4/2020	02:15 AM	4
2/4/2020	02:30 AM	0
2/4/2020	02:45 AM	0
2/4/2020	03:00 AM	0
2/4/2020	03:15 AM	1
2/4/2020	03:30 AM	1
2/4/2020	03:45 AM	0
2/4/2020	04:00 AM	4
2/4/2020	04:15 AM	1
2/4/2020	04:30 AM	5
2/4/2020	04:45 AM	8
2/4/2020	05:00 AM	5
2/4/2020	05:15 AM	1
2/4/2020	05:30 AM	7
2/4/2020	05:45 AM	12
2/4/2020	06:00 AM	12
2/4/2020	06:15 AM	10
2/4/2020	06:30 AM	30
2/4/2020	06:45 AM	34
2/4/2020	07:00 AM	20
2/4/2020	07:15 AM	28
2/4/2020	07:30 AM	26
2/4/2020	07:45 AM	37
2/4/2020	08:00 AM	31
2/4/2020	08:15 AM	40
2/4/2020	08:30 AM	28
2/4/2020	08:45 AM	36
2/4/2020	09:00 AM	24
2/4/2020	09:15 AM	24
2/4/2020	09:30 AM	30
2/4/2020	09:45 AM	20
2/4/2020	10:00 AM	15
2/4/2020	10:15 AM	23

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	NB
2/4/2020	10:30 AM	15
2/4/2020	10:45 AM	20
2/4/2020	11:00 AM	16
2/4/2020	11:15 AM	26
2/4/2020	11:30 AM	21
2/4/2020	11:45 AM	32
2/4/2020	12:00 PM	20
2/4/2020	12:15 PM	26
2/4/2020	12:30 PM	27
2/4/2020	12:45 PM	30
2/4/2020	01:00 PM	16
2/4/2020	01:15 PM	20
2/4/2020	01:30 PM	16
2/4/2020	01:45 PM	26
2/4/2020	02:00 PM	25
2/4/2020	02:15 PM	24
2/4/2020	02:30 PM	29
2/4/2020	02:45 PM	36
2/4/2020	03:00 PM	27
2/4/2020	03:15 PM	13
2/4/2020	03:30 PM	14
2/4/2020	03:45 PM	26
2/4/2020	04:00 PM	26
2/4/2020	04:15 PM	20
2/4/2020	04:30 PM	16
2/4/2020	04:45 PM	14
2/4/2020	05:00 PM	30
2/4/2020	05:15 PM	22
2/4/2020	05:30 PM	22
2/4/2020	05:45 PM	21
2/4/2020	06:00 PM	26
2/4/2020	06:15 PM	21
2/4/2020	06:30 PM	14
2/4/2020	06:45 PM	21
2/4/2020	07:00 PM	17
2/4/2020	07:15 PM	6
2/4/2020	07:30 PM	6
2/4/2020	07:45 PM	12
2/4/2020	08:00 PM	7
2/4/2020	08:15 PM	8
2/4/2020	08:30 PM	10
2/4/2020	08:45 PM	9
2/4/2020	09:00 PM	8
2/4/2020	09:15 PM	4
2/4/2020	09:30 PM	4
2/4/2020	09:45 PM	3
2/4/2020	10:00 PM	3
2/4/2020	10:15 PM	2
2/4/2020	10:30 PM	2

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	NB
2/4/2020	10:45 PM	0
2/4/2020	11:00 PM	2
2/4/2020	11:15 PM	2
2/4/2020	11:30 PM	5
2/4/2020	11:45 PM	4
		1403

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

SB 75 FR TO SB SRT FR

Start Date: 2/4/2020
Start Time: 12:00:00 AM
Site Code: 929

Date	Time	SB
2/4/2020	12:00 AM	8
2/4/2020	12:15 AM	6
2/4/2020	12:30 AM	5
2/4/2020	12:45 AM	7
2/4/2020	01:00 AM	8
2/4/2020	01:15 AM	6
2/4/2020	01:30 AM	4
2/4/2020	01:45 AM	8
2/4/2020	02:00 AM	1
2/4/2020	02:15 AM	1
2/4/2020	02:30 AM	4
2/4/2020	02:45 AM	0
2/4/2020	03:00 AM	4
2/4/2020	03:15 AM	5
2/4/2020	03:30 AM	4
2/4/2020	03:45 AM	9
2/4/2020	04:00 AM	6
2/4/2020	04:15 AM	8
2/4/2020	04:30 AM	16
2/4/2020	04:45 AM	19
2/4/2020	05:00 AM	22
2/4/2020	05:15 AM	34
2/4/2020	05:30 AM	48
2/4/2020	05:45 AM	59
2/4/2020	06:00 AM	75
2/4/2020	06:15 AM	104
2/4/2020	06:30 AM	118
2/4/2020	06:45 AM	152
2/4/2020	07:00 AM	133
2/4/2020	07:15 AM	194
2/4/2020	07:30 AM	218
2/4/2020	07:45 AM	157
2/4/2020	08:00 AM	119
2/4/2020	08:15 AM	122
2/4/2020	08:30 AM	118
2/4/2020	08:45 AM	90
2/4/2020	09:00 AM	75
2/4/2020	09:15 AM	60
2/4/2020	09:30 AM	78
2/4/2020	09:45 AM	75
2/4/2020	10:00 AM	73
2/4/2020	10:15 AM	72

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	SB
2/4/2020	10:30 AM	70
2/4/2020	10:45 AM	63
2/4/2020	11:00 AM	66
2/4/2020	11:15 AM	73
2/4/2020	11:30 AM	84
2/4/2020	11:45 AM	68
2/4/2020	12:00 PM	76
2/4/2020	12:15 PM	84
2/4/2020	12:30 PM	79
2/4/2020	12:45 PM	88
2/4/2020	01:00 PM	87
2/4/2020	01:15 PM	74
2/4/2020	01:30 PM	92
2/4/2020	01:45 PM	93
2/4/2020	02:00 PM	78
2/4/2020	02:15 PM	85
2/4/2020	02:30 PM	116
2/4/2020	02:45 PM	146
2/4/2020	03:00 PM	93
2/4/2020	03:15 PM	102
2/4/2020	03:30 PM	114
2/4/2020	03:45 PM	105
2/4/2020	04:00 PM	106
2/4/2020	04:15 PM	110
2/4/2020	04:30 PM	104
2/4/2020	04:45 PM	102
2/4/2020	05:00 PM	142
2/4/2020	05:15 PM	142
2/4/2020	05:30 PM	140
2/4/2020	05:45 PM	98
2/4/2020	06:00 PM	123
2/4/2020	06:15 PM	107
2/4/2020	06:30 PM	102
2/4/2020	06:45 PM	73
2/4/2020	07:00 PM	73
2/4/2020	07:15 PM	60
2/4/2020	07:30 PM	57
2/4/2020	07:45 PM	62
2/4/2020	08:00 PM	59
2/4/2020	08:15 PM	56
2/4/2020	08:30 PM	46
2/4/2020	08:45 PM	51
2/4/2020	09:00 PM	42
2/4/2020	09:15 PM	35
2/4/2020	09:30 PM	32
2/4/2020	09:45 PM	36
2/4/2020	10:00 PM	35
2/4/2020	10:15 PM	20
2/4/2020	10:30 PM	23

Date	Time	SB
2/4/2020	10:45 PM	19
2/4/2020	11:00 PM	21
2/4/2020	11:15 PM	10
2/4/2020	11:30 PM	7
2/4/2020	11:45 PM	4
		6358

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

SB 399 FR TO NB US 75 FR

Start Date: 2/4/2020
Start Time: 12:00:00 AM
Site Code: 709

Date	Time	NB
2/4/2020	12:00 AM	3
2/4/2020	12:15 AM	1
2/4/2020	12:30 AM	2
2/4/2020	12:45 AM	8
2/4/2020	01:00 AM	4
2/4/2020	01:15 AM	7
2/4/2020	01:30 AM	2
2/4/2020	01:45 AM	0
2/4/2020	02:00 AM	0
2/4/2020	02:15 AM	1
2/4/2020	02:30 AM	1
2/4/2020	02:45 AM	4
2/4/2020	03:00 AM	0
2/4/2020	03:15 AM	0
2/4/2020	03:30 AM	0
2/4/2020	03:45 AM	4
2/4/2020	04:00 AM	0
2/4/2020	04:15 AM	0
2/4/2020	04:30 AM	8
2/4/2020	04:45 AM	8
2/4/2020	05:00 AM	6
2/4/2020	05:15 AM	3
2/4/2020	05:30 AM	4
2/4/2020	05:45 AM	10
2/4/2020	06:00 AM	10
2/4/2020	06:15 AM	15
2/4/2020	06:30 AM	18
2/4/2020	06:45 AM	15
2/4/2020	07:00 AM	32
2/4/2020	07:15 AM	34
2/4/2020	07:30 AM	40
2/4/2020	07:45 AM	44
2/4/2020	08:00 AM	38
2/4/2020	08:15 AM	33
2/4/2020	08:30 AM	42
2/4/2020	08:45 AM	34
2/4/2020	09:00 AM	35
2/4/2020	09:15 AM	31
2/4/2020	09:30 AM	40
2/4/2020	09:45 AM	38
2/4/2020	10:00 AM	24
2/4/2020	10:15 AM	35

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	NB
2/4/2020	10:30 AM	38
2/4/2020	10:45 AM	24
2/4/2020	11:00 AM	44
2/4/2020	11:15 AM	42
2/4/2020	11:30 AM	43
2/4/2020	11:45 AM	34
2/4/2020	12:00 PM	52
2/4/2020	12:15 PM	45
2/4/2020	12:30 PM	39
2/4/2020	12:45 PM	40
2/4/2020	01:00 PM	38
2/4/2020	01:15 PM	30
2/4/2020	01:30 PM	25
2/4/2020	01:45 PM	46
2/4/2020	02:00 PM	46
2/4/2020	02:15 PM	32
2/4/2020	02:30 PM	40
2/4/2020	02:45 PM	47
2/4/2020	03:00 PM	54
2/4/2020	03:15 PM	46
2/4/2020	03:30 PM	42
2/4/2020	03:45 PM	53
2/4/2020	04:00 PM	50
2/4/2020	04:15 PM	52
2/4/2020	04:30 PM	44
2/4/2020	04:45 PM	58
2/4/2020	05:00 PM	69
2/4/2020	05:15 PM	65
2/4/2020	05:30 PM	60
2/4/2020	05:45 PM	21
2/4/2020	06:00 PM	29
2/4/2020	06:15 PM	31
2/4/2020	06:30 PM	36
2/4/2020	06:45 PM	22
2/4/2020	07:00 PM	24
2/4/2020	07:15 PM	28
2/4/2020	07:30 PM	27
2/4/2020	07:45 PM	16
2/4/2020	08:00 PM	26
2/4/2020	08:15 PM	16
2/4/2020	08:30 PM	13
2/4/2020	08:45 PM	19
2/4/2020	09:00 PM	15
2/4/2020	09:15 PM	14
2/4/2020	09:30 PM	4
2/4/2020	09:45 PM	5
2/4/2020	10:00 PM	9
2/4/2020	10:15 PM	5
2/4/2020	10:30 PM	3

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	NB
2/4/2020	10:45 PM	6
2/4/2020	11:00 PM	3
2/4/2020	11:15 PM	4
2/4/2020	11:30 PM	5
2/4/2020	11:45 PM	4
		2317

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

SB 399 FR TO SB SRT FR

Start Date: 2/4/2020
Start Time: 12:00:00 AM
Site Code: 874

Date	Time	SB
2/4/2020	12:00 AM	9
2/4/2020	12:15 AM	5
2/4/2020	12:30 AM	6
2/4/2020	12:45 AM	7
2/4/2020	01:00 AM	4
2/4/2020	01:15 AM	4
2/4/2020	01:30 AM	2
2/4/2020	01:45 AM	4
2/4/2020	02:00 AM	2
2/4/2020	02:15 AM	3
2/4/2020	02:30 AM	1
2/4/2020	02:45 AM	2
2/4/2020	03:00 AM	8
2/4/2020	03:15 AM	6
2/4/2020	03:30 AM	4
2/4/2020	03:45 AM	4
2/4/2020	04:00 AM	6
2/4/2020	04:15 AM	2
2/4/2020	04:30 AM	14
2/4/2020	04:45 AM	20
2/4/2020	05:00 AM	18
2/4/2020	05:15 AM	21
2/4/2020	05:30 AM	44
2/4/2020	05:45 AM	44
2/4/2020	06:00 AM	62
2/4/2020	06:15 AM	66
2/4/2020	06:30 AM	68
2/4/2020	06:45 AM	90
2/4/2020	07:00 AM	93
2/4/2020	07:15 AM	116
2/4/2020	07:30 AM	144
2/4/2020	07:45 AM	108
2/4/2020	08:00 AM	92
2/4/2020	08:15 AM	88
2/4/2020	08:30 AM	68
2/4/2020	08:45 AM	74
2/4/2020	09:00 AM	61
2/4/2020	09:15 AM	64
2/4/2020	09:30 AM	52
2/4/2020	09:45 AM	50
2/4/2020	10:00 AM	55
2/4/2020	10:15 AM	58

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	SB
2/4/2020	10:30 AM	48
2/4/2020	10:45 AM	52
2/4/2020	11:00 AM	59
2/4/2020	11:15 AM	64
2/4/2020	11:30 AM	51
2/4/2020	11:45 AM	60
2/4/2020	12:00 PM	58
2/4/2020	12:15 PM	50
2/4/2020	12:30 PM	46
2/4/2020	12:45 PM	52
2/4/2020	01:00 PM	60
2/4/2020	01:15 PM	56
2/4/2020	01:30 PM	54
2/4/2020	01:45 PM	52
2/4/2020	02:00 PM	58
2/4/2020	02:15 PM	43
2/4/2020	02:30 PM	60
2/4/2020	02:45 PM	70
2/4/2020	03:00 PM	110
2/4/2020	03:15 PM	74
2/4/2020	03:30 PM	83
2/4/2020	03:45 PM	78
2/4/2020	04:00 PM	78
2/4/2020	04:15 PM	60
2/4/2020	04:30 PM	96
2/4/2020	04:45 PM	82
2/4/2020	05:00 PM	116
2/4/2020	05:15 PM	86
2/4/2020	05:30 PM	79
2/4/2020	05:45 PM	67
2/4/2020	06:00 PM	74
2/4/2020	06:15 PM	86
2/4/2020	06:30 PM	57
2/4/2020	06:45 PM	42
2/4/2020	07:00 PM	79
2/4/2020	07:15 PM	38
2/4/2020	07:30 PM	43
2/4/2020	07:45 PM	40
2/4/2020	08:00 PM	44
2/4/2020	08:15 PM	41
2/4/2020	08:30 PM	32
2/4/2020	08:45 PM	48
2/4/2020	09:00 PM	26
2/4/2020	09:15 PM	18
2/4/2020	09:30 PM	16
2/4/2020	09:45 PM	18
2/4/2020	10:00 PM	15
2/4/2020	10:15 PM	10
2/4/2020	10:30 PM	13

Date	Time	SB
2/4/2020	10:45 PM	10
2/4/2020	11:00 PM	8
2/4/2020	11:15 PM	6
2/4/2020	11:30 PM	10
2/4/2020	11:45 PM	8
		4433

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

SB SRT FR TO SB 75 FR

Start Date: 2/4/2020
Start Time: 12:00:00 AM
Site Code: 938

Date	Time	SB
2/4/2020	12:00 AM	4
2/4/2020	12:15 AM	1
2/4/2020	12:30 AM	2
2/4/2020	12:45 AM	3
2/4/2020	01:00 AM	2
2/4/2020	01:15 AM	2
2/4/2020	01:30 AM	1
2/4/2020	01:45 AM	2
2/4/2020	02:00 AM	2
2/4/2020	02:15 AM	2
2/4/2020	02:30 AM	0
2/4/2020	02:45 AM	0
2/4/2020	03:00 AM	2
2/4/2020	03:15 AM	4
2/4/2020	03:30 AM	0
2/4/2020	03:45 AM	1
2/4/2020	04:00 AM	4
2/4/2020	04:15 AM	1
2/4/2020	04:30 AM	2
2/4/2020	04:45 AM	3
2/4/2020	05:00 AM	6
2/4/2020	05:15 AM	5
2/4/2020	05:30 AM	6
2/4/2020	05:45 AM	7
2/4/2020	06:00 AM	12
2/4/2020	06:15 AM	11
2/4/2020	06:30 AM	16
2/4/2020	06:45 AM	14
2/4/2020	07:00 AM	11
2/4/2020	07:15 AM	30
2/4/2020	07:30 AM	26
2/4/2020	07:45 AM	20
2/4/2020	08:00 AM	22
2/4/2020	08:15 AM	21
2/4/2020	08:30 AM	24
2/4/2020	08:45 AM	21
2/4/2020	09:00 AM	22
2/4/2020	09:15 AM	26
2/4/2020	09:30 AM	20
2/4/2020	09:45 AM	13
2/4/2020	10:00 AM	20
2/4/2020	10:15 AM	28

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	SB
2/4/2020	10:30 AM	22
2/4/2020	10:45 AM	22
2/4/2020	11:00 AM	32
2/4/2020	11:15 AM	33
2/4/2020	11:30 AM	26
2/4/2020	11:45 AM	34
2/4/2020	12:00 PM	28
2/4/2020	12:15 PM	26
2/4/2020	12:30 PM	20
2/4/2020	12:45 PM	22
2/4/2020	01:00 PM	30
2/4/2020	01:15 PM	26
2/4/2020	01:30 PM	21
2/4/2020	01:45 PM	25
2/4/2020	02:00 PM	21
2/4/2020	02:15 PM	14
2/4/2020	02:30 PM	20
2/4/2020	02:45 PM	40
2/4/2020	03:00 PM	67
2/4/2020	03:15 PM	40
2/4/2020	03:30 PM	21
2/4/2020	03:45 PM	28
2/4/2020	04:00 PM	37
2/4/2020	04:15 PM	32
2/4/2020	04:30 PM	39
2/4/2020	04:45 PM	31
2/4/2020	05:00 PM	46
2/4/2020	05:15 PM	35
2/4/2020	05:30 PM	37
2/4/2020	05:45 PM	27
2/4/2020	06:00 PM	35
2/4/2020	06:15 PM	34
2/4/2020	06:30 PM	24
2/4/2020	06:45 PM	14
2/4/2020	07:00 PM	35
2/4/2020	07:15 PM	17
2/4/2020	07:30 PM	14
2/4/2020	07:45 PM	16
2/4/2020	08:00 PM	27
2/4/2020	08:15 PM	21
2/4/2020	08:30 PM	12
2/4/2020	08:45 PM	22
2/4/2020	09:00 PM	12
2/4/2020	09:15 PM	9
2/4/2020	09:30 PM	10
2/4/2020	09:45 PM	4
2/4/2020	10:00 PM	4
2/4/2020	10:15 PM	5
2/4/2020	10:30 PM	5

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Date	Time	SB
2/4/2020	10:45 PM	6
2/4/2020	11:00 PM	4
2/4/2020	11:15 PM	2
2/4/2020	11:30 PM	3
2/4/2020	11:45 PM	6
		1662

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

GRAM Traffic NTX Inc.

1120 W. Lovers Lane

Arlington, Texas, United States 76013
817.265.8968

Count Name: 399 @ GREENVILLE/5
Site Code:
Start Date: 02/04/2020
Page No: 1

Turning Movement Data

Start Time	GREENVILLE/5 Southbound					399 Westbound					GREENVILLE/5 Northbound					399 Eastbound					
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Int. Total
7:00 AM	0	51	0	0	51	0	0	0	0	0	0	0	0	0	0	0	178	0	0	178	229
7:15 AM	0	70	0	0	70	0	0	0	0	0	0	0	0	0	0	0	222	0	0	222	292
7:30 AM	0	82	0	0	82	0	0	0	0	0	0	0	0	0	0	0	258	0	0	258	340
7:45 AM	0	73	0	0	73	0	0	0	0	0	0	0	0	0	0	0	262	0	0	262	335
Hourly Total	0	276	0	0	276	0	0	0	0	0	0	0	0	0	0	0	920	0	0	920	1196
8:00 AM	0	73	0	0	73	0	0	0	0	0	0	0	0	0	0	0	210	0	0	210	283
8:15 AM	0	88	0	0	88	0	0	0	0	0	0	0	0	0	0	0	170	0	0	170	258
8:30 AM	0	72	0	0	72	0	0	0	0	0	0	0	0	0	0	0	193	0	0	193	265
8:45 AM	0	71	0	0	71	0	0	0	0	0	0	0	0	0	0	0	192	0	0	192	263
Hourly Total	0	304	0	0	304	0	0	0	0	0	0	0	0	0	0	0	765	0	0	765	1069
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	0	112	0	0	112	0	0	0	0	0	0	0	0	0	0	0	376	1	0	377	489
4:15 PM	2	72	0	0	74	0	0	0	0	0	0	0	0	0	0	0	464	0	0	464	538
4:30 PM	0	107	0	0	107	0	0	0	0	0	0	0	0	0	0	0	395	0	0	395	502
4:45 PM	2	80	0	0	82	0	0	0	0	0	0	0	0	0	0	0	418	0	0	418	500
Hourly Total	4	371	0	0	375	0	0	0	0	0	0	0	0	0	0	0	1653	1	0	1654	2029
5:00 PM	2	111	0	0	113	0	0	0	0	0	0	0	0	0	0	0	352	2	0	354	467
5:15 PM	1	103	0	0	104	0	0	0	0	0	0	0	0	0	0	0	266	0	0	266	370
5:30 PM	1	97	0	0	98	0	0	0	0	0	0	0	0	0	0	0	475	0	0	475	573
5:45 PM	3	87	0	0	90	0	0	0	0	0	0	0	0	0	0	0	375	0	0	375	465
Hourly Total	7	398	0	0	405	0	0	0	0	0	0	0	0	0	0	0	1468	2	0	1470	1875
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	11	1349	0	0	1360	0	0	0	0	0	0	0	0	0	0	0	4806	3	0	4809	6169
Approach %	0.8	99.2	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	99.9	0.1	0.0	-	-
Total %	0.2	21.9	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.9	0.0	0.0	78.0	-
Lights	10	1320	0	0	1330	0	0	0	0	0	0	0	0	0	0	0	4583	3	0	4586	5916
% Lights	90.9	97.9	-	-	97.8	-	-	-	-	-	-	-	-	-	-	-	95.4	100.0	-	95.4	95.9
Mediums	0	23	0	0	23	0	0	0	0	0	0	0	0	0	0	0	150	0	0	150	173
% Mediums	0.0	1.7	-	-	1.7	-	-	-	-	-	-	-	-	-	-	-	3.1	0.0	-	3.1	2.8
Articulated Trucks	1	6	0	0	7	0	0	0	0	0	0	0	0	0	0	0	73	0	0	73	80
% Articulated Trucks	9.1	0.4	-	-	0.5	-	-	-	-	-	-	-	-	-	-	-	1.5	0.0	-	1.5	1.3

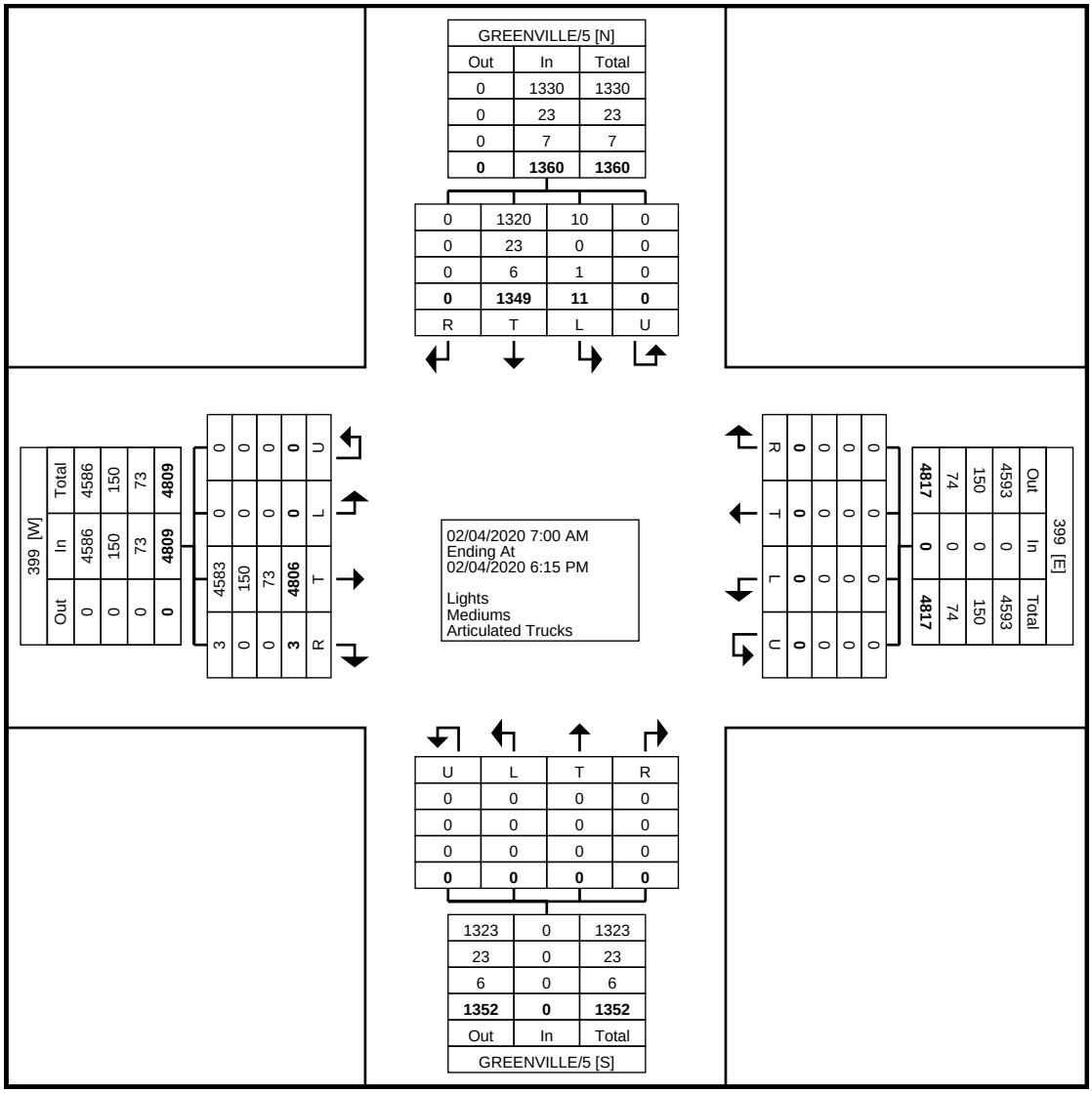
DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

GRAM Traffic NTX Inc.

1120 W. Lovers Lane

Arlington, Texas, United States 76013
817.265.8968

Count Name: 399 @ GREENVILLE/5
Site Code:
Start Date: 02/04/2020
Page No: 2



Turning Movement Data Plot

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

GRAM Traffic NTX Inc.

1120 W. Lovers Lane

Arlington, Texas, United States 76013
817.265.8968

Count Name: 399 @ GREENVILLE/5
Site Code:
Start Date: 02/04/2020
Page No: 3

Turning Movement Peak Hour Data (7:15 AM)

Start Time	GREENVILLE/5 Southbound					399 Westbound					GREENVILLE/5 Northbound					399 Eastbound					
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Int. Total
7:15 AM	0	70	0	0	70	0	0	0	0	0	0	0	0	0	0	0	222	0	0	222	292
7:30 AM	0	82	0	0	82	0	0	0	0	0	0	0	0	0	0	0	258	0	0	258	340
7:45 AM	0	73	0	0	73	0	0	0	0	0	0	0	0	0	0	0	262	0	0	262	335
8:00 AM	0	73	0	0	73	0	0	0	0	0	0	0	0	0	0	0	210	0	0	210	283
Total	0	298	0	0	298	0	0	0	0	0	0	0	0	0	0	0	952	0	0	952	1250
Approach %	0.0	100.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	100.0	0.0	0.0	-	-
Total %	0.0	23.8	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.2	0.0	0.0	76.2	-
PHF	0.000	0.909	0.000	0.000	0.909	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.908	0.000	0.000	0.908	0.919
Lights	0	289	0	0	289	0	0	0	0	0	0	0	0	0	0	0	902	0	0	902	1191
% Lights	-	97.0	-	-	97.0	-	-	-	-	-	-	-	-	-	-	-	94.7	-	-	94.7	95.3
Mediums	0	6	0	0	6	0	0	0	0	0	0	0	0	0	0	0	29	0	0	29	35
% Mediums	-	2.0	-	-	2.0	-	-	-	-	-	-	-	-	-	-	-	3.0	-	-	3.0	2.8
Articulated Trucks	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	21	0	0	21	24
% Articulated Trucks	-	1.0	-	-	1.0	-	-	-	-	-	-	-	-	-	-	-	2.2	-	-	2.2	1.9

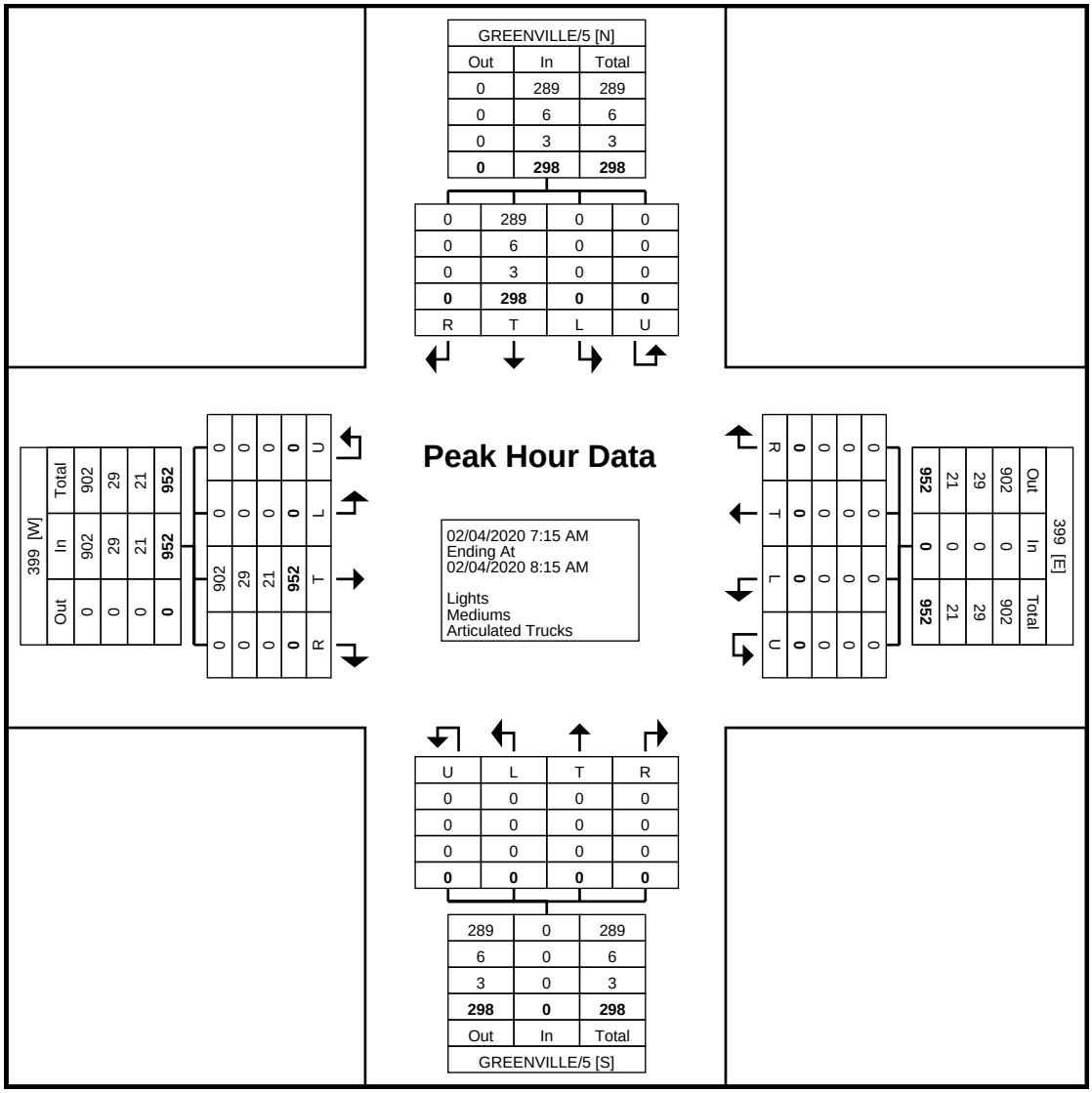
DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

GRAM Traffic NTX Inc.

1120 W. Lovers Lane

Arlington, Texas, United States 76013
817.265.8968

Count Name: 399 @ GREENVILLE/5
Site Code:
Start Date: 02/04/2020
Page No: 4



Turning Movement Peak Hour Data Plot (7:15 AM)

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

GRAM Traffic NTX Inc.

1120 W. Lovers Lane

Arlington, Texas, United States 76013
817.265.8968

Count Name: 399 @ GREENVILLE/5
Site Code:
Start Date: 02/04/2020
Page No: 5

Turning Movement Peak Hour Data (4:00 PM)

Start Time	GREENVILLE/5 Southbound					399 Westbound					GREENVILLE/5 Northbound					399 Eastbound					
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Int. Total
4:00 PM	0	112	0	0	112	0	0	0	0	0	0	0	0	0	0	0	376	1	0	377	489
4:15 PM	2	72	0	0	74	0	0	0	0	0	0	0	0	0	0	0	464	0	0	464	538
4:30 PM	0	107	0	0	107	0	0	0	0	0	0	0	0	0	0	0	395	0	0	395	502
4:45 PM	2	80	0	0	82	0	0	0	0	0	0	0	0	0	0	0	418	0	0	418	500
Total	4	371	0	0	375	0	0	0	0	0	0	0	0	0	0	0	1653	1	0	1654	2029
Approach %	1.1	98.9	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	99.9	0.1	0.0	-	-
Total %	0.2	18.3	0.0	0.0	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	81.5	0.0	0.0	81.5	-
PHF	0.500	0.828	0.000	0.000	0.837	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.891	0.250	0.000	0.891	0.943
Lights	3	363	0	0	366	0	0	0	0	0	0	0	0	0	0	0	1568	1	0	1569	1935
% Lights	75.0	97.8	-	-	97.6	-	-	-	-	-	-	-	-	-	-	-	94.9	100.0	-	94.9	95.4
Mediums	0	6	0	0	6	0	0	0	0	0	0	0	0	0	0	0	65	0	0	65	71
% Mediums	0.0	1.6	-	-	1.6	-	-	-	-	-	-	-	-	-	-	-	3.9	0.0	-	3.9	3.5
Articulated Trucks	1	2	0	0	3	0	0	0	0	0	0	0	0	0	0	0	20	0	0	20	23
% Articulated Trucks	25.0	0.5	-	-	0.8	-	-	-	-	-	-	-	-	-	-	-	1.2	0.0	-	1.2	1.1

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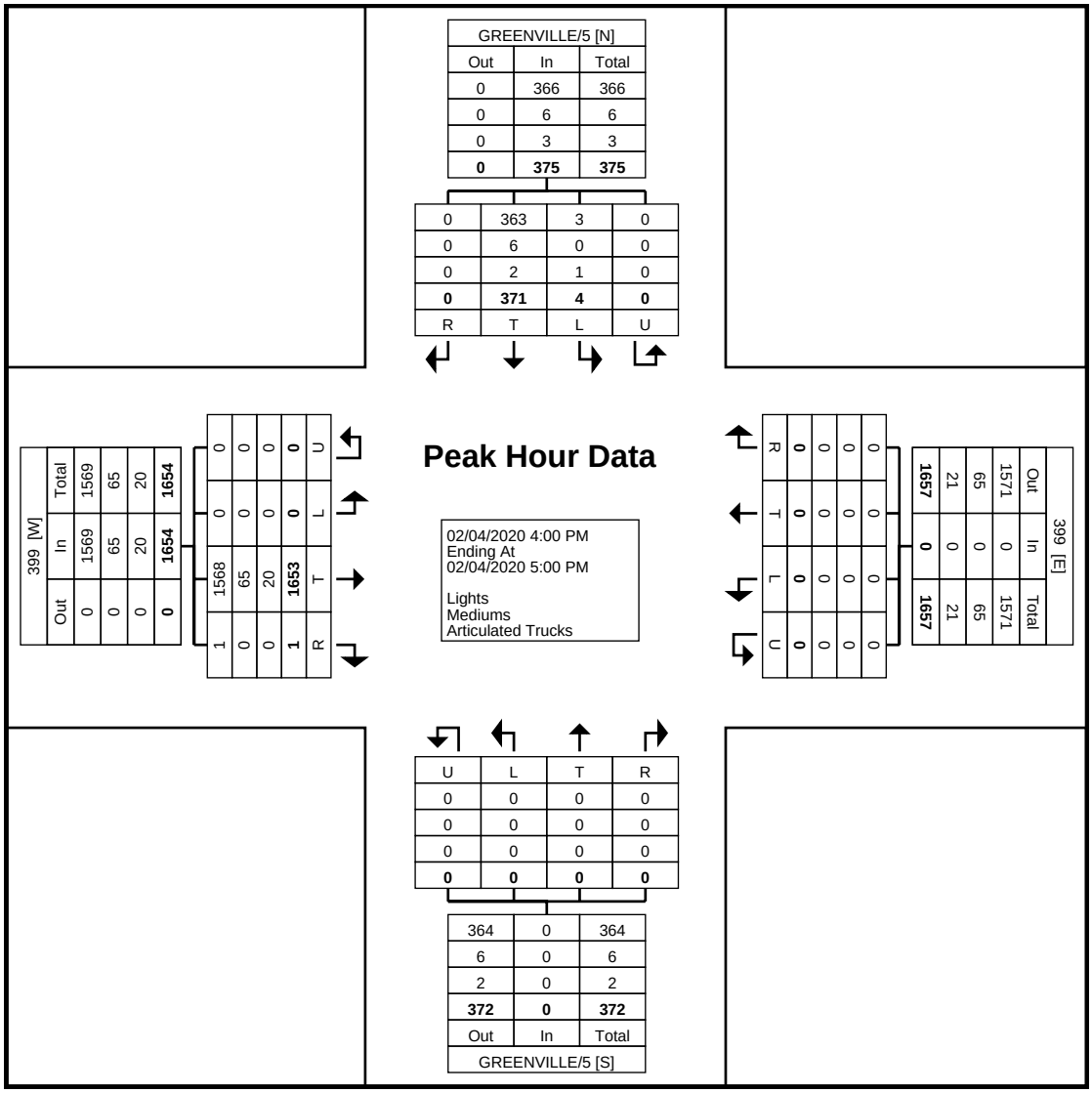
GRAM Traffic NTX Inc.

1120 W. Lovers Lane

Arlington, Texas, United States 76013
817.265.8968

Count Name: 399 @ GREENVILLE/5
Site Code:
Start Date: 02/04/2020
Page No: 6



Turning Movement Peak Hour Data Plot (4:00 PM)

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

GRAM Traffic NTX Inc.

1120 W. Lovers Lane

Arlington, Texas, United States 76013
817.265.8968

Count Name: EB 399 @ MEDICAL CENTER DR
Site Code:
Start Date: 02/04/2020
Page No: 1

Turning Movement Data

Start Time	MEDICAL CENTER DR Southbound					Westbound St. Westbound					MEDICAL CENTER DR Northbound					EB 399 Eastbound					
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Int. Total
7:00 AM	5	26	0	0	31	0	0	0	0	0	0	68	1	0	69	8	34	28	15	85	185
7:15 AM	5	31	0	0	36	0	0	0	0	0	0	64	2	0	66	13	52	45	25	135	237
7:30 AM	4	38	0	0	42	0	0	0	0	0	0	97	0	0	97	11	34	37	32	114	253
7:45 AM	8	57	0	1	66	0	0	0	0	0	0	79	3	1	83	16	51	60	33	160	309
Hourly Total	22	152	0	1	175	0	0	0	0	0	0	308	6	1	315	48	171	170	105	494	984
8:00 AM	2	43	0	0	45	0	0	0	0	0	0	67	1	0	68	10	35	45	30	120	233
8:15 AM	5	41	0	0	46	0	0	0	0	0	0	73	2	0	75	9	32	75	15	131	252
8:30 AM	7	52	0	0	59	0	0	0	0	0	0	67	4	0	71	6	28	66	31	131	261
8:45 AM	3	49	0	0	52	0	0	0	0	0	0	78	6	0	84	16	33	72	21	142	278
Hourly Total	17	185	0	0	202	0	0	0	0	0	0	285	13	0	298	41	128	258	97	524	1024
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	14	45	0	0	59	0	0	0	0	0	0	94	8	0	102	33	57	63	54	207	368
4:15 PM	6	37	0	1	44	0	0	0	0	0	0	77	11	0	88	36	76	53	34	199	331
4:30 PM	9	45	0	0	54	0	0	0	0	0	0	99	9	0	108	36	93	39	39	207	369
4:45 PM	6	30	0	0	36	0	0	0	0	0	0	95	4	0	99	35	87	50	37	209	344
Hourly Total	35	157	0	1	193	0	0	0	0	0	0	365	32	0	397	140	313	205	164	822	1412
5:00 PM	10	51	0	0	61	0	0	0	0	0	0	102	13	0	115	37	102	49	50	238	414
5:15 PM	16	43	0	0	59	0	0	0	0	0	0	104	6	0	110	48	83	54	43	228	397
5:30 PM	6	35	0	0	41	0	0	0	0	0	0	103	2	0	105	46	79	40	51	216	362
5:45 PM	5	32	0	0	37	0	0	0	0	0	0	71	4	0	75	38	74	48	33	193	305
Hourly Total	37	161	0	0	198	0	0	0	0	0	0	380	25	0	405	169	338	191	177	875	1478
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	111	655	0	2	768	0	0	0	0	0	0	1338	76	1	1415	398	950	824	543	2715	4898
Approach %	14.5	85.3	0.0	0.3	-	0.0	0.0	0.0	0.0	-	0.0	94.6	5.4	0.1	-	14.7	35.0	30.3	20.0	-	-
Total %	2.3	13.4	0.0	0.0	15.7	0.0	0.0	0.0	0.0	0.0	0.0	27.3	1.6	0.0	28.9	8.1	19.4	16.8	11.1	55.4	-
Lights	107	643	0	2	752	0	0	0	0	0	0	1327	73	1	1401	393	929	809	535	2666	4819
% Lights	96.4	98.2	-	100.0	97.9	-	-	-	-	-	-	99.2	96.1	100.0	99.0	98.7	97.8	98.2	98.5	98.2	98.4
Mediums	3	12	0	0	15	0	0	0	0	0	0	11	3	0	14	5	8	14	6	33	62
% Mediums	2.7	1.8	-	0.0	2.0	-	-	-	-	-	-	0.8	3.9	0.0	1.0	1.3	0.8	1.7	1.1	1.2	1.3
Articulated Trucks	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	13	1	2	16	17
% Articulated Trucks	0.9	0.0	-	0.0	0.1	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0	1.4	0.1	0.4	0.6	0.3

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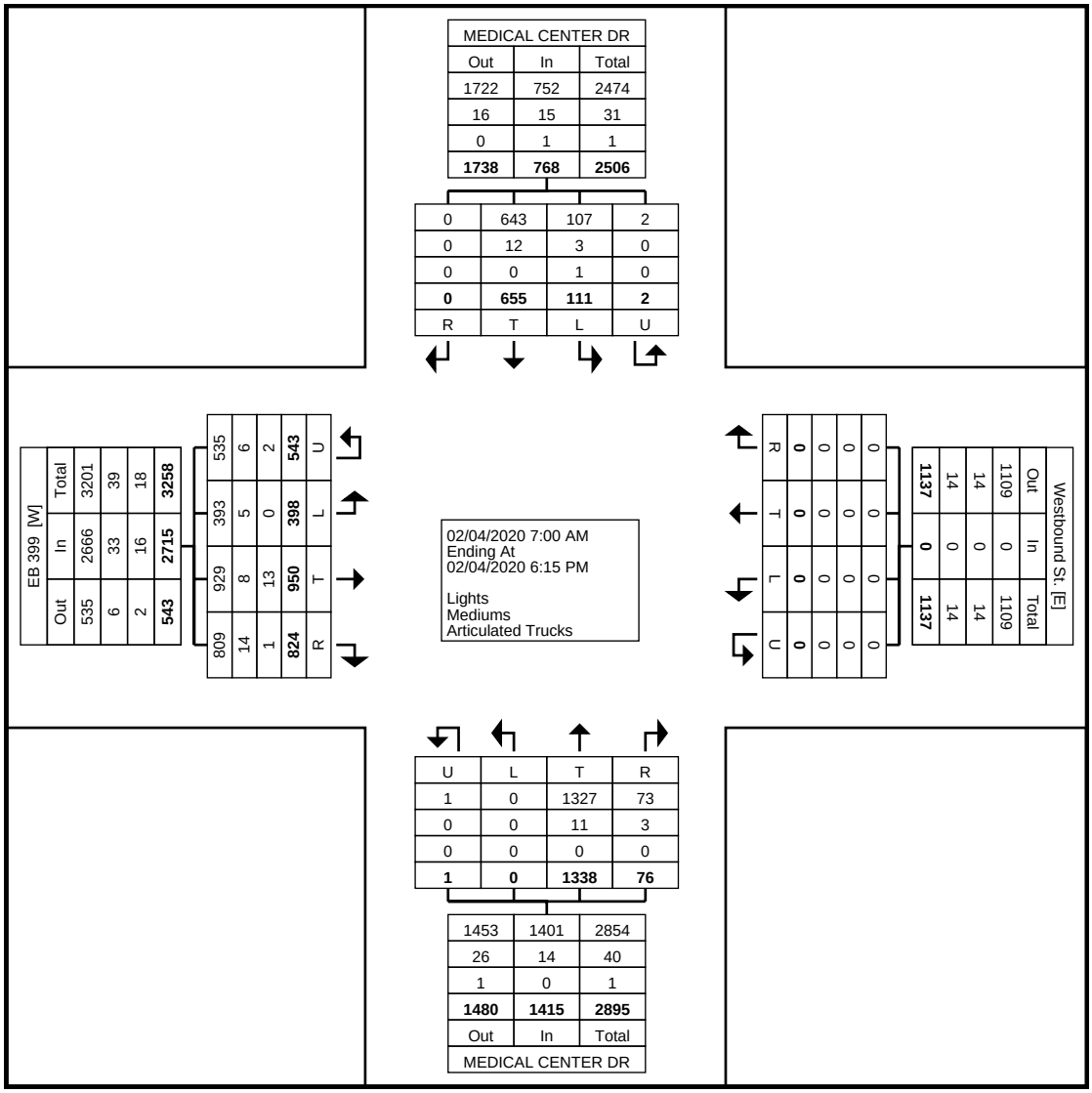
GRAM Traffic NTX Inc.

1120 W. Lovers Lane

Arlington, Texas, United States 76013
817.265.8968

Count Name: EB 399 @ MEDICAL CENTER DR
Site Code:
Start Date: 02/04/2020
Page No: 2



Turning Movement Data Plot

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

GRAM Traffic NTX Inc.

1120 W. Lovers Lane

Arlington, Texas, United States 76013
817.265.8968

Count Name: EB 399 @ MEDICAL CENTER DR
Site Code:
Start Date: 02/04/2020

Turning Movement Peak Hour Data (7:45 AM)

Start Time	MEDICAL CENTER DR Southbound					Westbound St. Westbound					MEDICAL CENTER DR Northbound					EB 399 Eastbound					
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Int. Total
7:45 AM	8	57	0	1	66	0	0	0	0	0	0	79	3	1	83	16	51	60	33	160	309
8:00 AM	2	43	0	0	45	0	0	0	0	0	0	67	1	0	68	10	35	45	30	120	233
8:15 AM	5	41	0	0	46	0	0	0	0	0	0	73	2	0	75	9	32	75	15	131	252
8:30 AM	7	52	0	0	59	0	0	0	0	0	0	67	4	0	71	6	28	66	31	131	261
Total	22	193	0	1	216	0	0	0	0	0	0	286	10	1	297	41	146	246	109	542	1055
Approach %	10.2	89.4	0.0	0.5	-	0.0	0.0	0.0	0.0	-	0.0	96.3	3.4	0.3	-	7.6	26.9	45.4	20.1	-	-
Total %	2.1	18.3	0.0	0.1	20.5	0.0	0.0	0.0	0.0	0.0	0.0	27.1	0.9	0.1	28.2	3.9	13.8	23.3	10.3	51.4	-
PHF	0.688	0.846	0.000	0.250	0.818	0.000	0.000	0.000	0.000	0.000	0.000	0.905	0.625	0.250	0.895	0.641	0.716	0.820	0.826	0.847	0.854
Lights	20	191	0	1	212	0	0	0	0	0	0	286	10	1	297	38	138	242	108	526	1035
% Lights	90.9	99.0	-	100.0	98.1	-	-	-	-	-	-	100.0	100.0	100.0	100.0	92.7	94.5	98.4	99.1	97.0	98.1
Mediums	1	2	0	0	3	0	0	0	0	0	0	0	0	0	0	3	2	3	0	8	11
% Mediums	4.5	1.0	-	0.0	1.4	-	-	-	-	-	-	0.0	0.0	0.0	0.0	7.3	1.4	1.2	0.0	1.5	1.0
Articulated Trucks	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	6	1	1	8	9
% Articulated Trucks	4.5	0.0	-	0.0	0.5	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0	4.1	0.4	0.9	1.5	0.9

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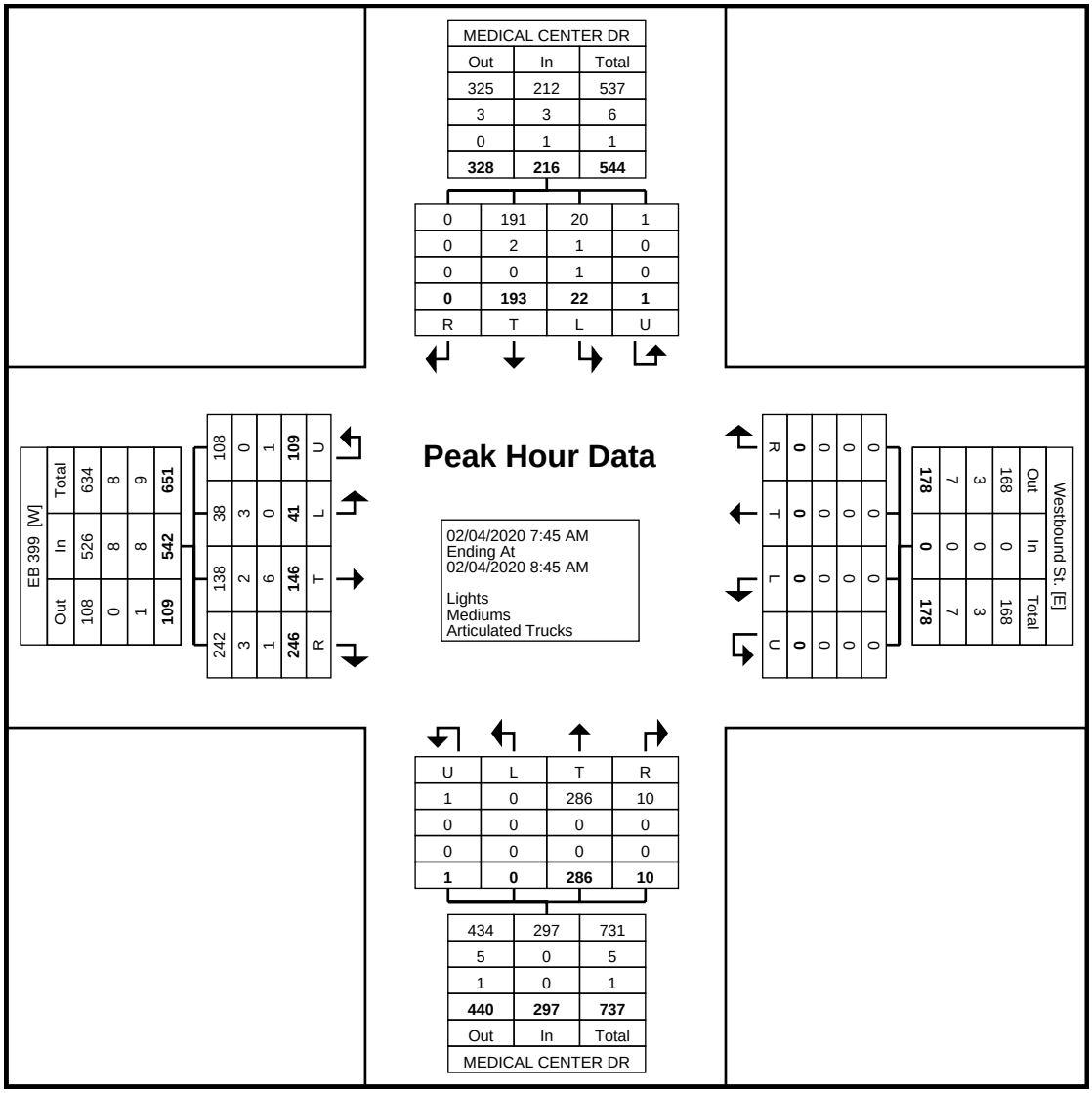
GRAM Traffic NTX Inc.

1120 W. Lovers Lane

Arlington, Texas, United States 76013
817.265.8968

Count Name: EB 399 @ MEDICAL CENTER DR
Site Code:
Start Date: 02/04/2020
Page No: 4



Turning Movement Peak Hour Data Plot (7:45 AM)

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GRAM Traffic NTX Inc.

1120 W. Lovers Lane

Arlington, Texas, United States 76013
817.265.8968

Count Name: EB 399 @ MEDICAL CENTER DR
Site Code:
Start Date: 02/04/2020

Turning Movement Peak Hour Data (4:30 PM)

Start Time	MEDICAL CENTER DR Southbound					Westbound St. Westbound					MEDICAL CENTER DR Northbound					EB 399 Eastbound					
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Int. Total
4:30 PM	9	45	0	0	54	0	0	0	0	0	0	99	9	0	108	36	93	39	39	207	369
4:45 PM	6	30	0	0	36	0	0	0	0	0	0	95	4	0	99	35	87	50	37	209	344
5:00 PM	10	51	0	0	61	0	0	0	0	0	0	102	13	0	115	37	102	49	50	238	414
5:15 PM	16	43	0	0	59	0	0	0	0	0	0	104	6	0	110	48	83	54	43	228	397
Total	41	169	0	0	210	0	0	0	0	0	0	400	32	0	432	156	365	192	169	882	1524
Approach %	19.5	80.5	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	92.6	7.4	0.0	-	17.7	41.4	21.8	19.2	-	-
Total %	2.7	11.1	0.0	0.0	13.8	0.0	0.0	0.0	0.0	0.0	0.0	26.2	2.1	0.0	28.3	10.2	24.0	12.6	11.1	57.9	-
PHF	0.641	0.828	0.000	0.000	0.861	0.000	0.000	0.000	0.000	0.000	0.000	0.962	0.615	0.000	0.939	0.813	0.895	0.889	0.845	0.926	0.920
Lights	41	166	0	0	207	0	0	0	0	0	0	397	30	0	427	154	363	189	167	873	1507
% Lights	100.0	98.2	-	-	98.6	-	-	-	-	-	-	99.3	93.8	-	98.8	98.7	99.5	98.4	98.8	99.0	98.9
Mediums	0	3	0	0	3	0	0	0	0	0	0	3	2	0	5	2	2	3	2	9	17
% Mediums	0.0	1.8	-	-	1.4	-	-	-	-	-	-	0.8	6.3	-	1.2	1.3	0.5	1.6	1.2	1.0	1.1
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Articulated Trucks	0.0	0.0	-	-	0.0	-	-	-	-	-	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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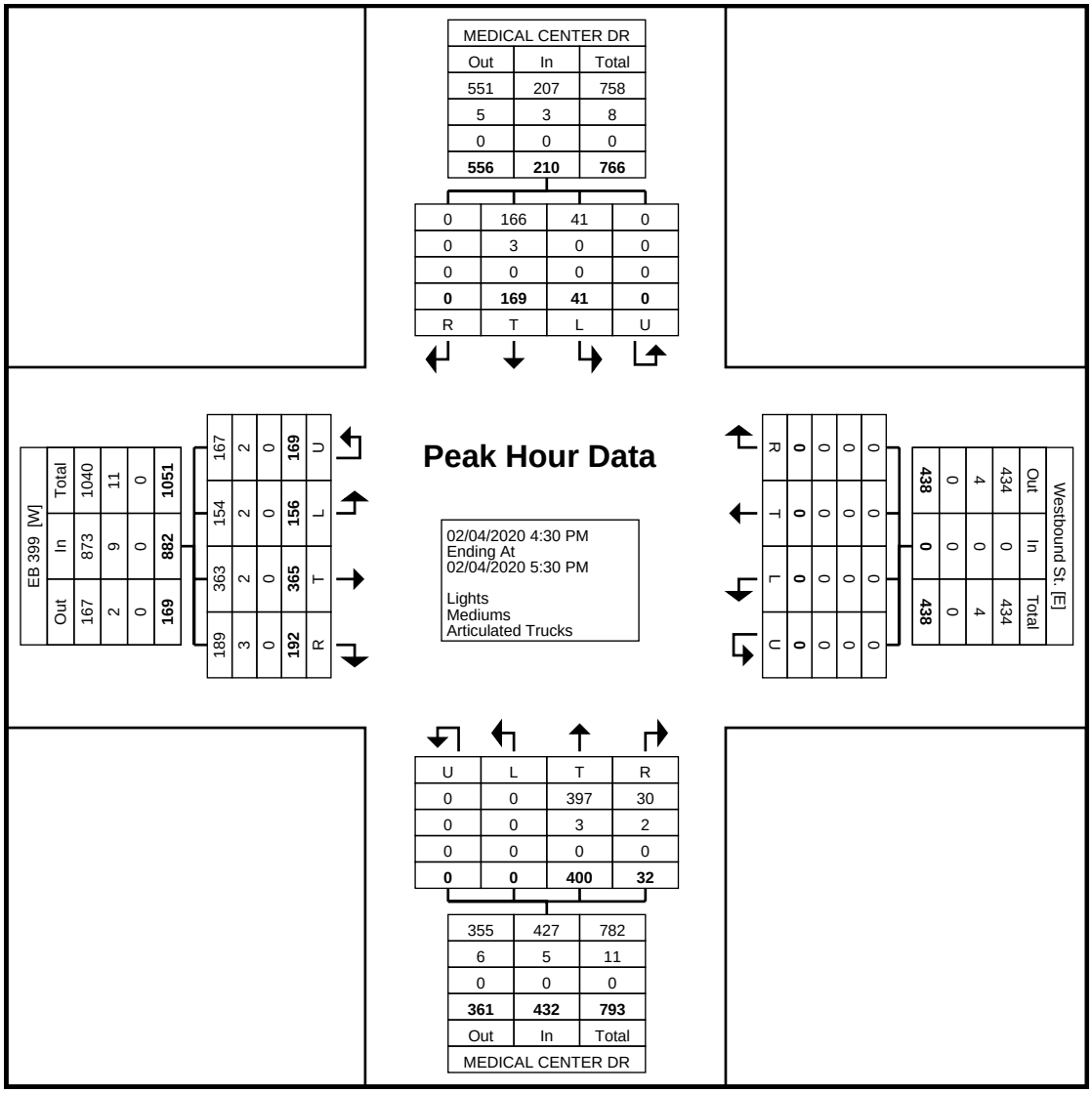
GRAM Traffic NTX Inc.

1120 W. Lovers Lane

Arlington, Texas, United States 76013
817.265.8968

Count Name: EB 399 @ MEDICAL CENTER DR
Site Code:
Start Date: 02/04/2020
Page No: 6



Turning Movement Peak Hour Data Plot (4:30 PM)

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GRAM Traffic NTX Inc.

1120 W. Lovers Lane

Arlington, Texas, United States 76013
817.265.8968

Count Name: WB 399 @ MEDICAL CENTER DR
Site Code:
Start Date: 02/04/2020
Page No: 1

Turning Movement Data

Start Time	MEDICAL CENTER DR Southbound					WB 399 Westbound					MEDICAL CENTER DR Northbound					Eastbound St. Eastbound					
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Int. Total
7:00 AM	0	25	41	0	66	6	56	4	3	69	54	23	0	0	77	0	0	0	0	0	212
7:15 AM	0	29	40	0	69	6	80	2	6	94	61	23	0	0	84	0	0	0	0	0	247
7:30 AM	0	30	29	0	59	11	83	4	2	100	86	23	0	0	109	0	0	0	0	0	268
7:45 AM	0	48	31	0	79	17	70	3	3	93	71	26	0	0	97	0	0	0	0	0	269
Hourly Total	0	132	141	0	273	40	289	13	14	356	272	95	0	0	367	0	0	0	0	0	996
8:00 AM	0	31	25	0	56	14	62	2	3	81	52	27	0	0	79	0	0	0	0	0	216
8:15 AM	0	30	23	0	53	16	64	3	3	86	57	25	0	0	82	0	0	0	0	0	221
8:30 AM	0	43	17	0	60	15	47	7	1	70	55	21	0	0	76	0	0	0	0	0	206
8:45 AM	0	33	18	1	52	18	39	2	2	61	64	26	0	0	90	0	0	0	0	0	203
Hourly Total	0	137	83	1	221	63	212	14	9	298	228	99	0	0	327	0	0	0	0	0	846
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	0	45	24	0	69	10	34	4	1	49	67	61	0	0	128	0	0	0	0	0	246
4:15 PM	0	31	18	0	49	11	27	7	0	45	54	51	0	0	105	0	0	0	0	0	199
4:30 PM	0	48	19	0	67	5	45	3	2	55	85	60	0	0	145	0	0	0	0	0	267
4:45 PM	0	24	23	0	47	8	39	3	1	51	58	71	0	0	129	0	0	0	0	0	227
Hourly Total	0	148	84	0	232	34	145	17	4	200	264	243	0	0	507	0	0	0	0	0	939
5:00 PM	0	56	27	0	83	6	54	10	5	75	85	58	0	0	143	0	0	0	0	0	301
5:15 PM	0	50	22	0	72	7	60	18	1	86	64	83	0	0	147	0	0	0	0	0	305
5:30 PM	0	35	24	0	59	4	39	6	0	49	79	74	0	0	153	0	0	0	0	0	261
5:45 PM	0	35	23	0	58	2	29	8	4	43	51	59	0	0	110	0	0	0	0	0	211
Hourly Total	0	176	96	0	272	19	182	42	10	253	279	274	0	0	553	0	0	0	0	0	1078
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	593	404	1	998	156	828	86	37	1107	1043	711	0	0	1754	0	0	0	0	0	3859
Approach %	0.0	59.4	40.5	0.1	-	14.1	74.8	7.8	3.3	-	59.5	40.5	0.0	0.0	-	0.0	0.0	0.0	0.0	-	-
Total %	0.0	15.4	10.5	0.0	25.9	4.0	21.5	2.2	1.0	28.7	27.0	18.4	0.0	0.0	45.5	0.0	0.0	0.0	0.0	0.0	-
Lights	0	582	397	1	980	153	800	81	34	1068	1036	701	0	0	1737	0	0	0	0	0	3785
% Lights	-	98.1	98.3	100.0	98.2	98.1	96.6	94.2	91.9	96.5	99.3	98.6	-	-	99.0	-	-	-	-	-	98.1
Mediums	0	10	7	0	17	3	11	2	2	18	7	10	0	0	17	0	0	0	0	0	52
% Mediums	-	1.7	1.7	0.0	1.7	1.9	1.3	2.3	5.4	1.6	0.7	1.4	-	-	1.0	-	-	-	-	-	1.3
Articulated Trucks	0	1	0	0	1	0	17	3	1	21	0	0	0	0	0	0	0	0	0	0	22
% Articulated Trucks	-	0.2	0.0	0.0	0.1	0.0	2.1	3.5	2.7	1.9	0.0	0.0	-	-	0.0	-	-	-	-	-	0.6

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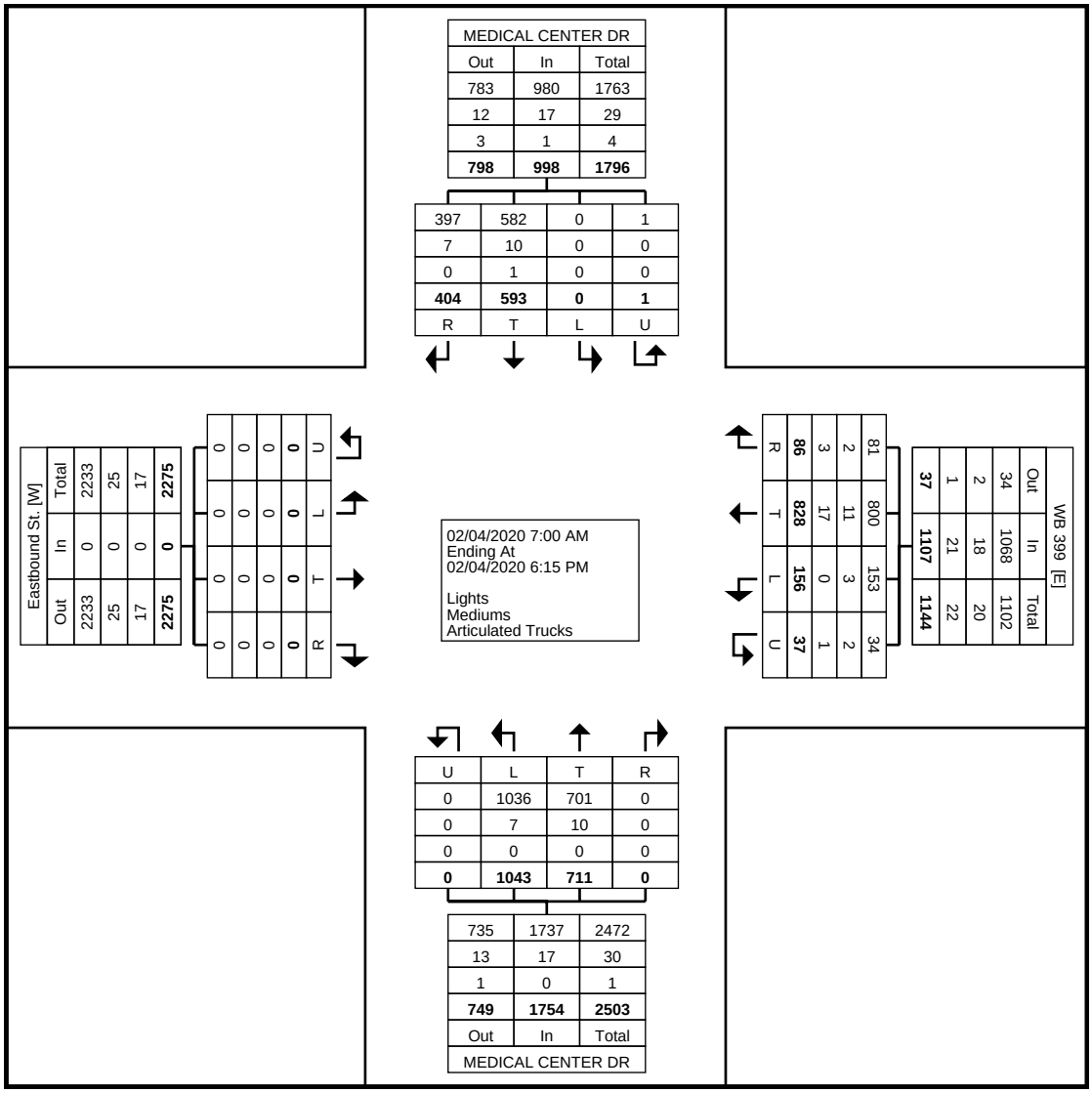
GRAM Traffic NTX Inc.

1120 W. Lovers Lane

Arlington, Texas, United States 76013
817.265.8968

Count Name: WB 399 @ MEDICAL CENTER DR
Site Code:
Start Date: 02/04/2020
Page No: 2



Turning Movement Data Plot

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

GRAM Traffic NTX Inc.

1120 W. Lovers Lane

Arlington, Texas, United States 76013
817.265.8968

Count Name: WB 399 @ MEDICAL CENTER DR
Site Code:
Start Date: 02/04/2020

Turning Movement Peak Hour Data (7:15 AM)

Start Time	MEDICAL CENTER DR Southbound					WB 399 Westbound					MEDICAL CENTER DR Northbound					Eastbound St. Eastbound					
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Int. Total
7:15 AM	0	29	40	0	69	6	80	2	6	94	61	23	0	0	84	0	0	0	0	0	247
7:30 AM	0	30	29	0	59	11	83	4	2	100	86	23	0	0	109	0	0	0	0	0	268
7:45 AM	0	48	31	0	79	17	70	3	3	93	71	26	0	0	97	0	0	0	0	0	269
8:00 AM	0	31	25	0	56	14	62	2	3	81	52	27	0	0	79	0	0	0	0	0	216
Total	0	138	125	0	263	48	295	11	14	368	270	99	0	0	369	0	0	0	0	0	1000
Approach %	0.0	52.5	47.5	0.0	-	13.0	80.2	3.0	3.8	-	73.2	26.8	0.0	0.0	-	0.0	0.0	0.0	0.0	-	-
Total %	0.0	13.8	12.5	0.0	26.3	4.8	29.5	1.1	1.4	36.8	27.0	9.9	0.0	0.0	36.9	0.0	0.0	0.0	0.0	0.0	-
PHF	0.000	0.719	0.781	0.000	0.832	0.706	0.889	0.688	0.583	0.920	0.785	0.917	0.000	0.000	0.846	0.000	0.000	0.000	0.000	0.000	0.929
Lights	0	136	125	0	261	47	282	11	12	352	269	96	0	0	365	0	0	0	0	0	978
% Lights	-	98.6	100.0	-	99.2	97.9	95.6	100.0	85.7	95.7	99.6	97.0	-	-	98.9	-	-	-	-	-	97.8
Mediums	0	1	0	0	1	1	7	0	1	9	1	3	0	0	4	0	0	0	0	0	14
% Mediums	-	0.7	0.0	-	0.4	2.1	2.4	0.0	7.1	2.4	0.4	3.0	-	-	1.1	-	-	-	-	-	1.4
Articulated Trucks	0	1	0	0	1	0	6	0	1	7	0	0	0	0	0	0	0	0	0	0	8
% Articulated Trucks	-	0.7	0.0	-	0.4	0.0	2.0	0.0	7.1	1.9	0.0	0.0	-	-	0.0	-	-	-	-	-	0.8

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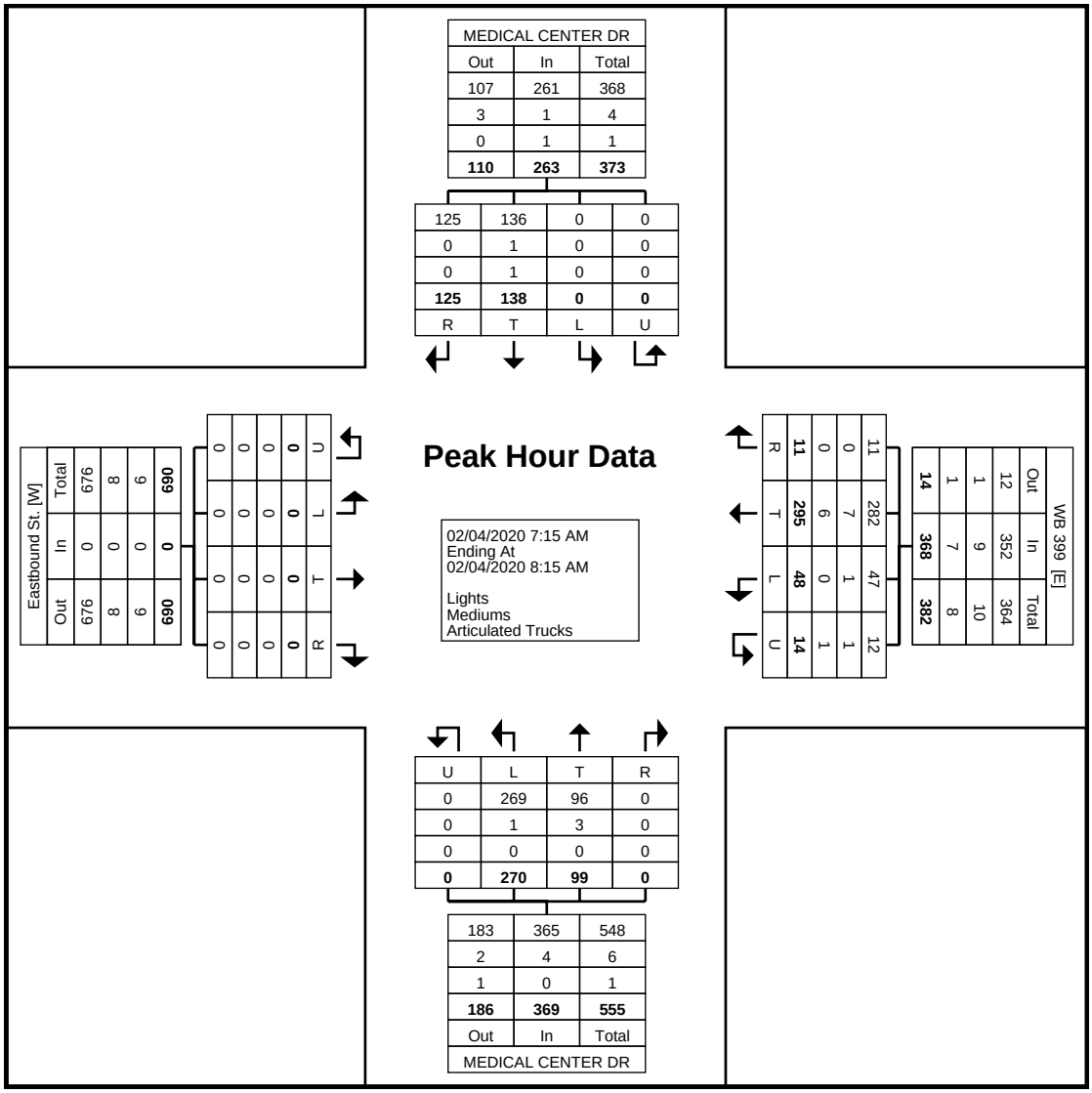
GRAM Traffic NTX Inc.

1120 W. Lovers Lane

Arlington, Texas, United States 76013
817.265.8968

Count Name: WB 399 @ MEDICAL CENTER DR
Site Code:
Start Date: 02/04/2020
Page No: 4



Turning Movement Peak Hour Data Plot (7:15 AM)

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GRAM Traffic NTX Inc.
1120 W. Lovers Lane

Arlington, Texas, United States 76013
817.265.8968

Count Name: WB 399 @ MEDICAL CENTER DR
Site Code:
Start Date: 02/04/2020

Turning Movement Peak Hour Data (4:30 PM)

Start Time	MEDICAL CENTER DR Southbound					WB 399 Westbound					MEDICAL CENTER DR Northbound					Eastbound St. Eastbound					
	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Left	Thru	Right	U-Turn	App. Total	Int. Total
4:30 PM	0	48	19	0	67	5	45	3	2	55	85	60	0	0	145	0	0	0	0	0	267
4:45 PM	0	24	23	0	47	8	39	3	1	51	58	71	0	0	129	0	0	0	0	0	227
5:00 PM	0	56	27	0	83	6	54	10	5	75	85	58	0	0	143	0	0	0	0	0	301
5:15 PM	0	50	22	0	72	7	60	18	1	86	64	83	0	0	147	0	0	0	0	0	305
Total	0	178	91	0	269	26	198	34	9	267	292	272	0	0	564	0	0	0	0	0	1100
Approach %	0.0	66.2	33.8	0.0	-	9.7	74.2	12.7	3.4	-	51.8	48.2	0.0	0.0	-	0.0	0.0	0.0	0.0	-	-
Total %	0.0	16.2	8.3	0.0	24.5	2.4	18.0	3.1	0.8	24.3	26.5	24.7	0.0	0.0	51.3	0.0	0.0	0.0	0.0	0.0	-
PHF	0.000	0.795	0.843	0.000	0.810	0.813	0.825	0.472	0.450	0.776	0.859	0.819	0.000	0.000	0.959	0.000	0.000	0.000	0.000	0.000	0.902
Lights	0	177	88	0	265	25	196	33	9	263	290	269	0	0	559	0	0	0	0	0	1087
% Lights	-	99.4	96.7	-	98.5	96.2	99.0	97.1	100.0	98.5	99.3	98.9	-	-	99.1	-	-	-	-	-	98.8
Mediums	0	1	3	0	4	1	2	1	0	4	2	3	0	0	5	0	0	0	0	0	13
% Mediums	-	0.6	3.3	-	1.5	3.8	1.0	2.9	0.0	1.5	0.7	1.1	-	-	0.9	-	-	-	-	-	1.2
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Articulated Trucks	-	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-	-	-	-	0.0

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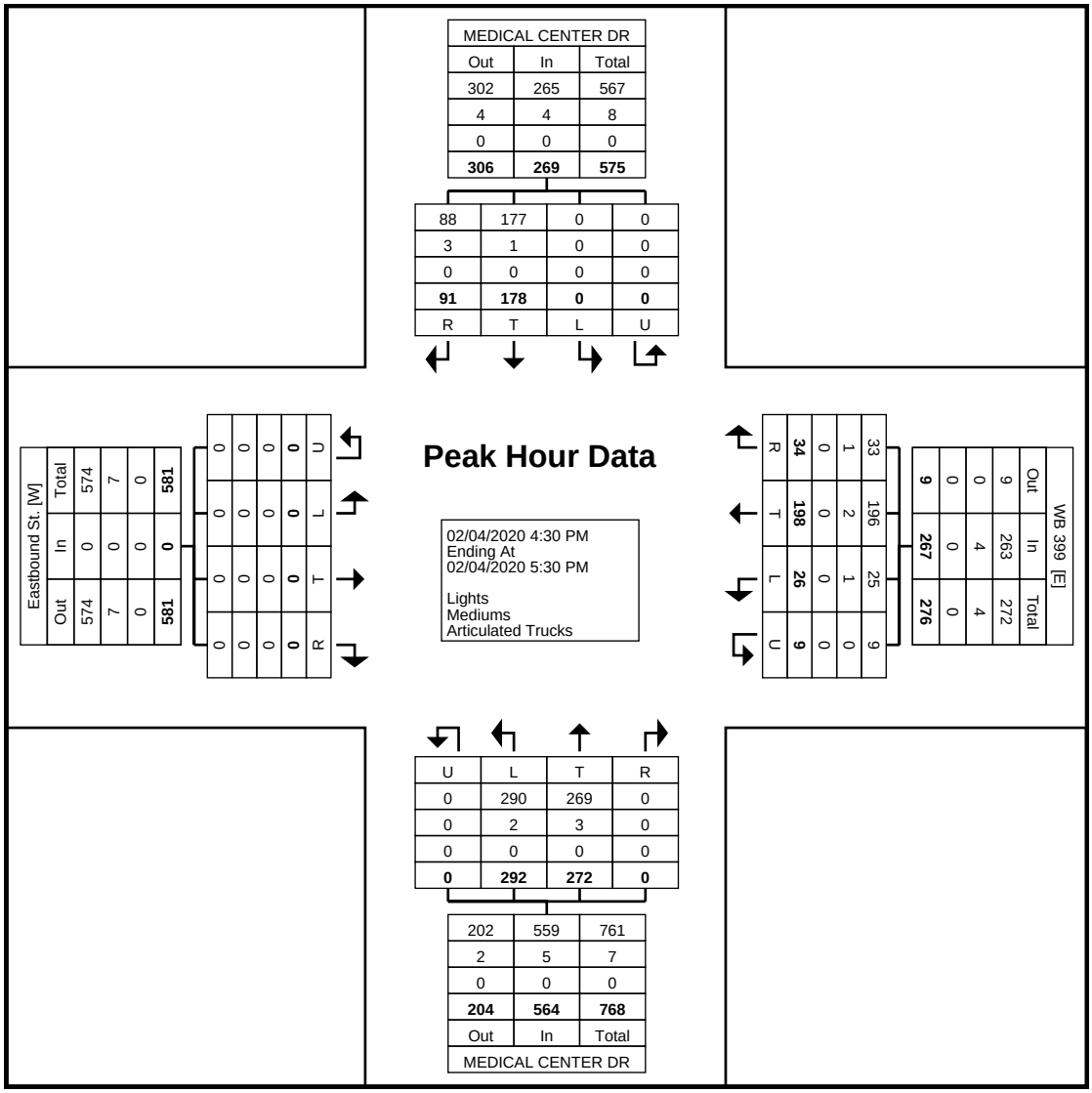
GRAM Traffic NTX Inc.

1120 W. Lovers Lane

Arlington, Texas, United States 76013
817.265.8968

Count Name: WB 399 @ MEDICAL CENTER DR
Site Code:
Start Date: 02/04/2020
Page No: 6



Turning Movement Peak Hour Data Plot (4:30 PM)

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TECHNICAL MEMORANDUM (DRAFT)

Task Report # 8, Technical Assistance in the Environmental Process

TxDOT Project: Re-review of Traffic Forecast Methodology for Spur 399 Extension.

Project CSJ: 0364-04-051

DATE: June 11, 2021

TO: Stephen Endres**,** Project Manager, TxDOT Dallas District

COPY TO: Dan Perge, Advance Project Development, TxDOT Dallas District

FROM: Sushant Sharma, Associate Research Scientist and John Overman, Research Scientist, Texas A&M Transportation Institute

FOR MORE INFORMATION:
Name: Sushant Sharma, John Overman
Phone: 817-462-0508, 817-462-0516
Email: s-sharma@tti.tamu.edu, JOVERM-C@txdot.gov

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93

Executive Summary

The goal of this activity was to verify the turning and through movements as traffic projections that were provided in the revised traffic methodology report. The Advance Project Development department at TxDOT's Dallas District requested quality assurance assistance from Texas A&M Transportation Institute (TTI) to evaluate the Traffic Forecast Methodology for US 380 from Coit Road to FM 1827 and Spur 399 extension from US 75 to US 380 in Collin County. The re-review findings of the QA/QC found the proposed traffic growth rates on US 380 and Spur 399 extension were adequately supported.

Conclusion

- Based on this review, the turning and through movements as traffic projections were added correctly except at locations pointed out in Appendix A.

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Traffic Volumes 4
Conclusions 4
Findings 4
APPENDIX A- Minor Issues with Traffic Projections 5

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Introduction

The goal of this activity was to verify the turning and through movements as traffic projections that were provided in the revised traffic methodology report. The Advance Project Development department at TxDOT's Dallas District requested quality assurance assistance from Texas A&M Transportation Institute (TTI) to evaluate the Traffic Forecast Methodology for US 380 from Coit Road to FM 1827 and Spur 399 extension from US 75 to US 380 in Collin County. The re-review findings of the QA/QC found the proposed traffic growth rates on US 380 and Spur 399 extension were adequately supported.

Traffic Volumes

The traffic volumes for 2030, 2050, and 2060 for the Build and No-Build case were reviewed to verify turning and through movements. The projected traffic did add up correctly at most of the locations. However, some issues were found at three locations. It is possible these are minor issues, and may need some supporting information in the sheet. Below are the issues that were found

1. On sheet 7 in each version, the traffic for Spur 399 NB and SB appears without any mention in the previous sheet.
2. On sheet 8 in each version, the frontage roads traffic disappeared in the previous sheets.
3. On sheet 11 in the EAST Option, one count is off in the top left corner – it should be 16,500, but shows 16,200 – this would also affect counts in previous sheets.

Conclusions

This activity aimed to re-review traffic projection methodology and projected volumes for Spur 399 extension from US 75 to US 380 in Collin County.

Findings

- Based on this review, the turning and through movements as traffic projections were added correctly except at locations pointed out in Appendix A.

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APPENDIX A- Minor Issues with Traffic Projections

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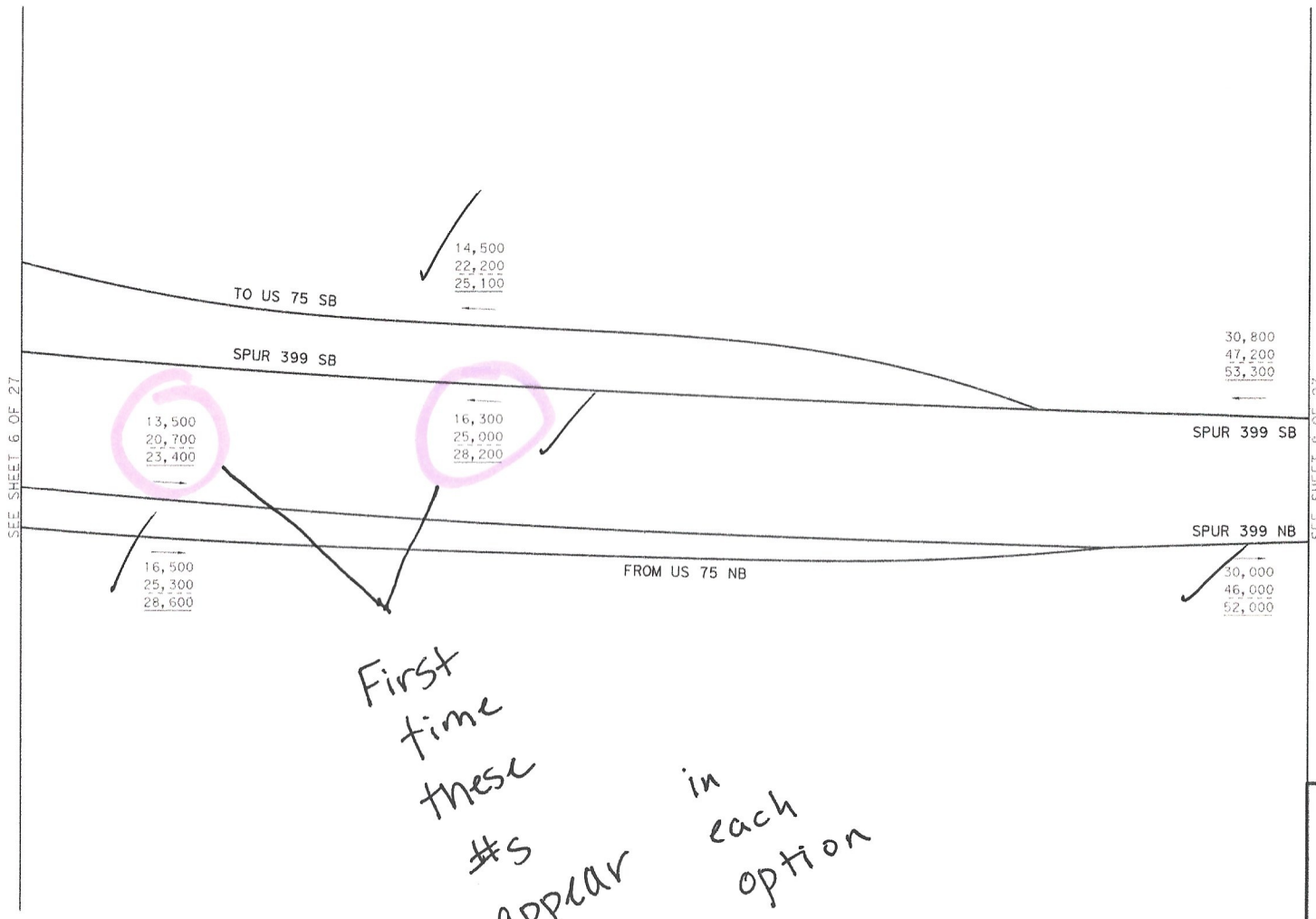

First time these #s appear in each option

NOT TO SCALE

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SERIAL NUMBER 102185

LEGEND
XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

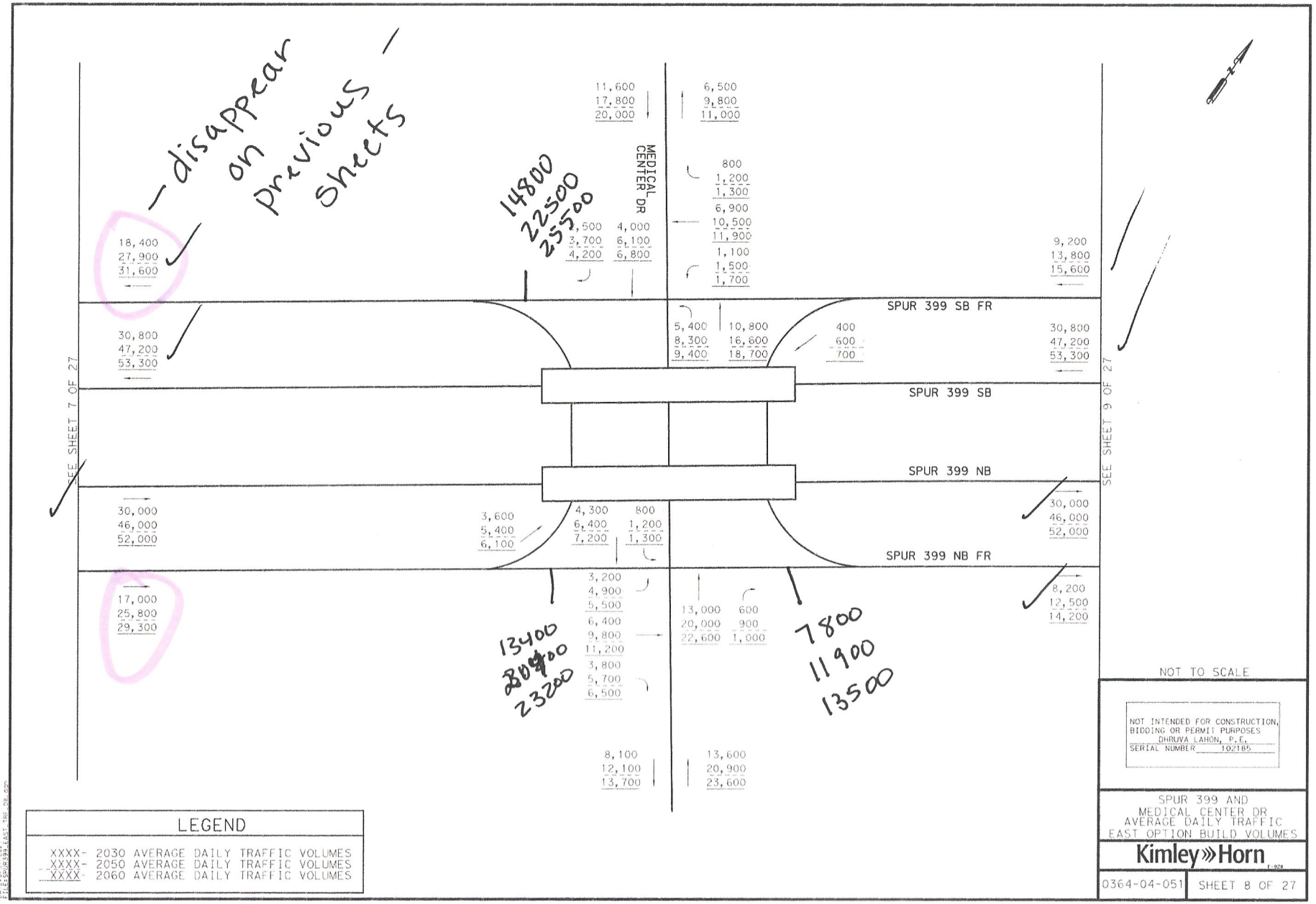
SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
EAST OPTION BUILD VOLUMES

Kimley»Horn

0364-04-051 | SHEET 7 OF 27

DATE:3/31/2021
FILE:SPUR399_EAST_TRF_07.dgn

in each option



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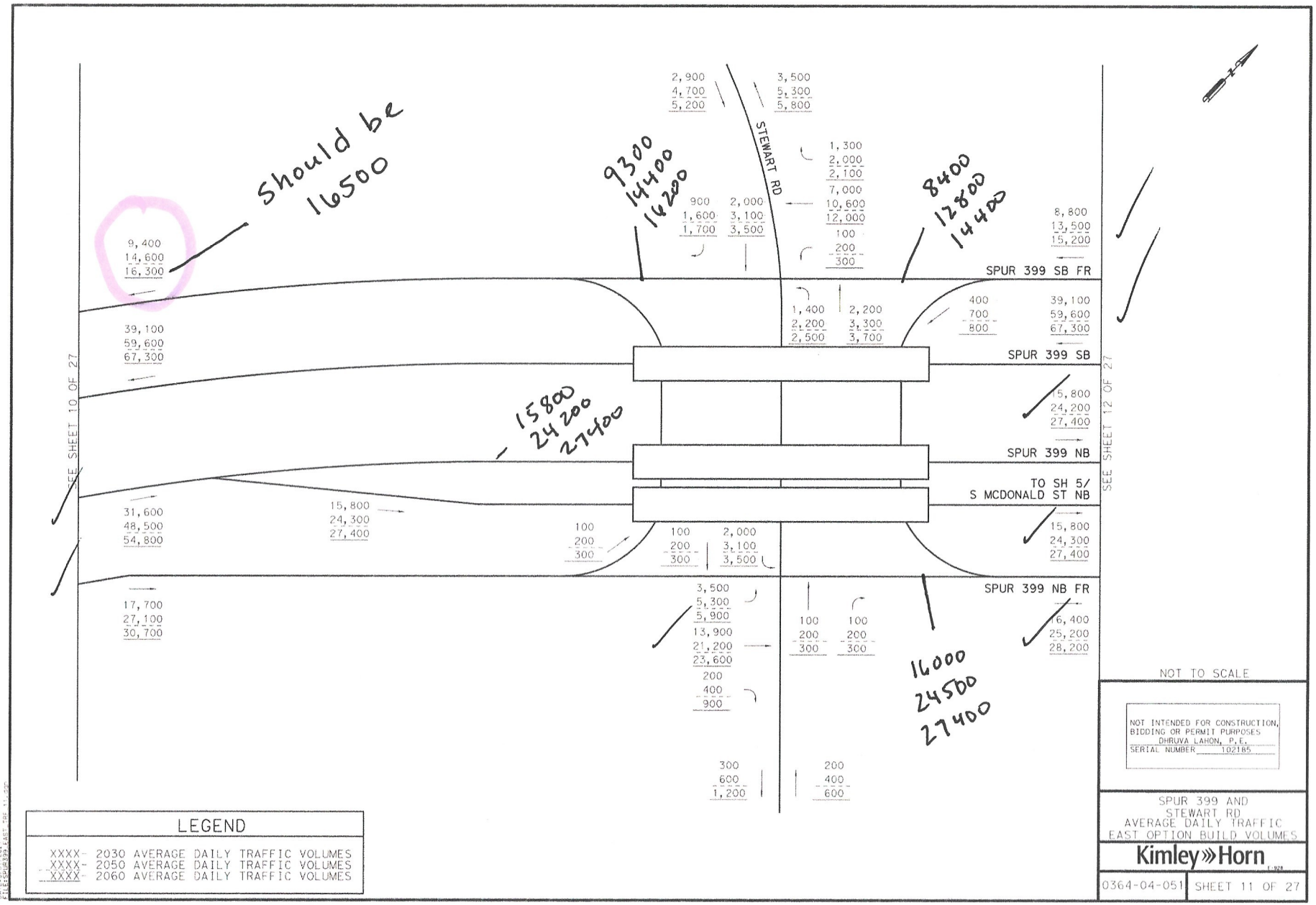

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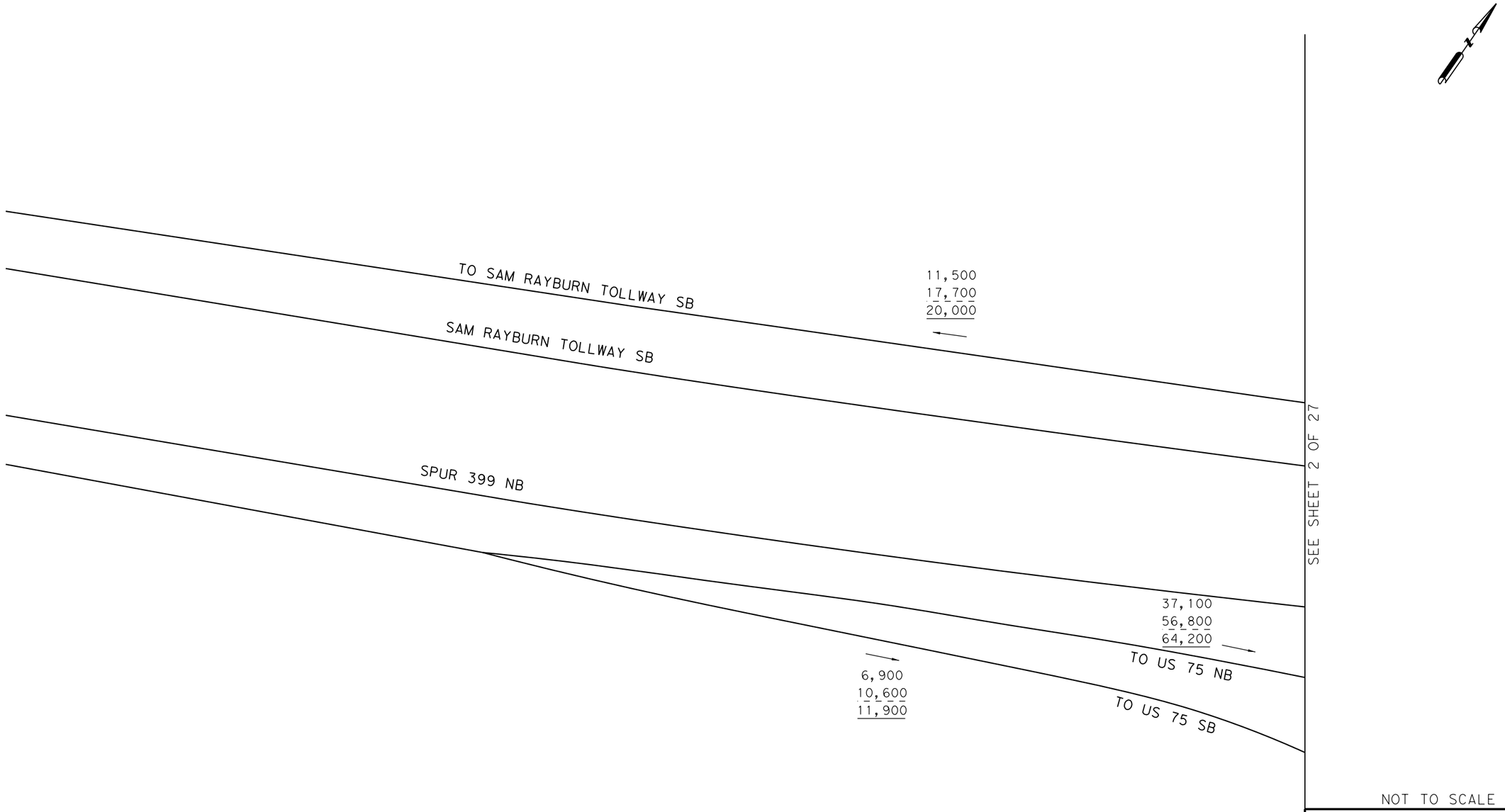

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SERIAL NUMBER 102185

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOTE:
ALL EXISTING RAMPS AND FRONTAGE ROAD SECTIONS ARE NOT SHOWN.
IMPACTED RAMPS AND FRONTAGE ROAD SECTIONS ARE SHOWN WITH VOLUMES.

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
EAST OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 1 OF 27

DATE:8/11/2021
FILE:SPUR399_EAST_TRF_01.dgn

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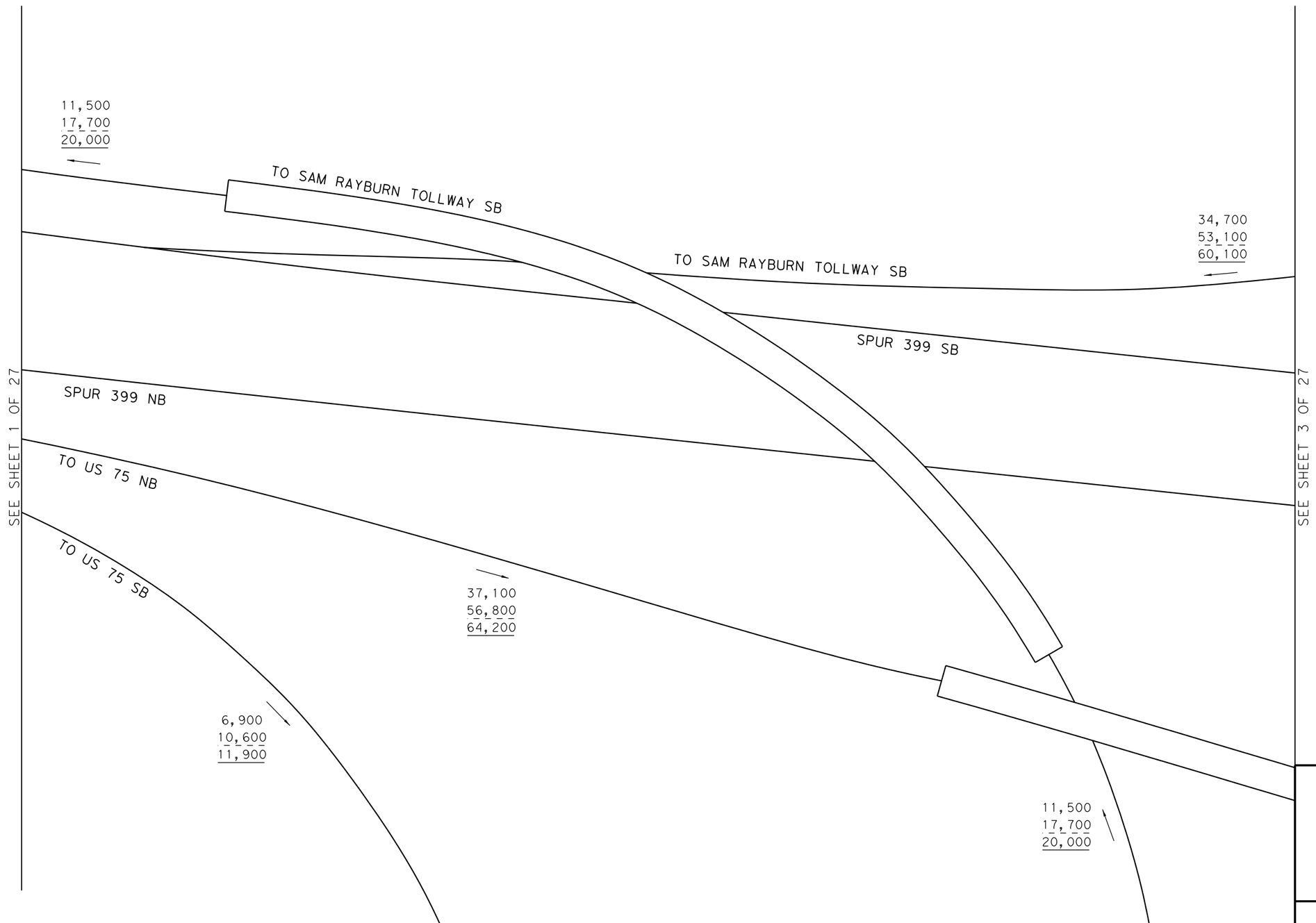

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SERIAL NUMBER 102185

LEGEND

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XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOTE:
ALL EXISTING RAMPS AND FRONTAGE ROAD SECTIONS ARE NOT SHOWN.
IMPACTED RAMPS AND FRONTAGE ROAD SECTIONS ARE SHOWN WITH VOLUMES.

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
EAST OPTION BUILD VOLUMES

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0364-04-051 | SHEET 2 OF 27

DATE: 8/11/2021
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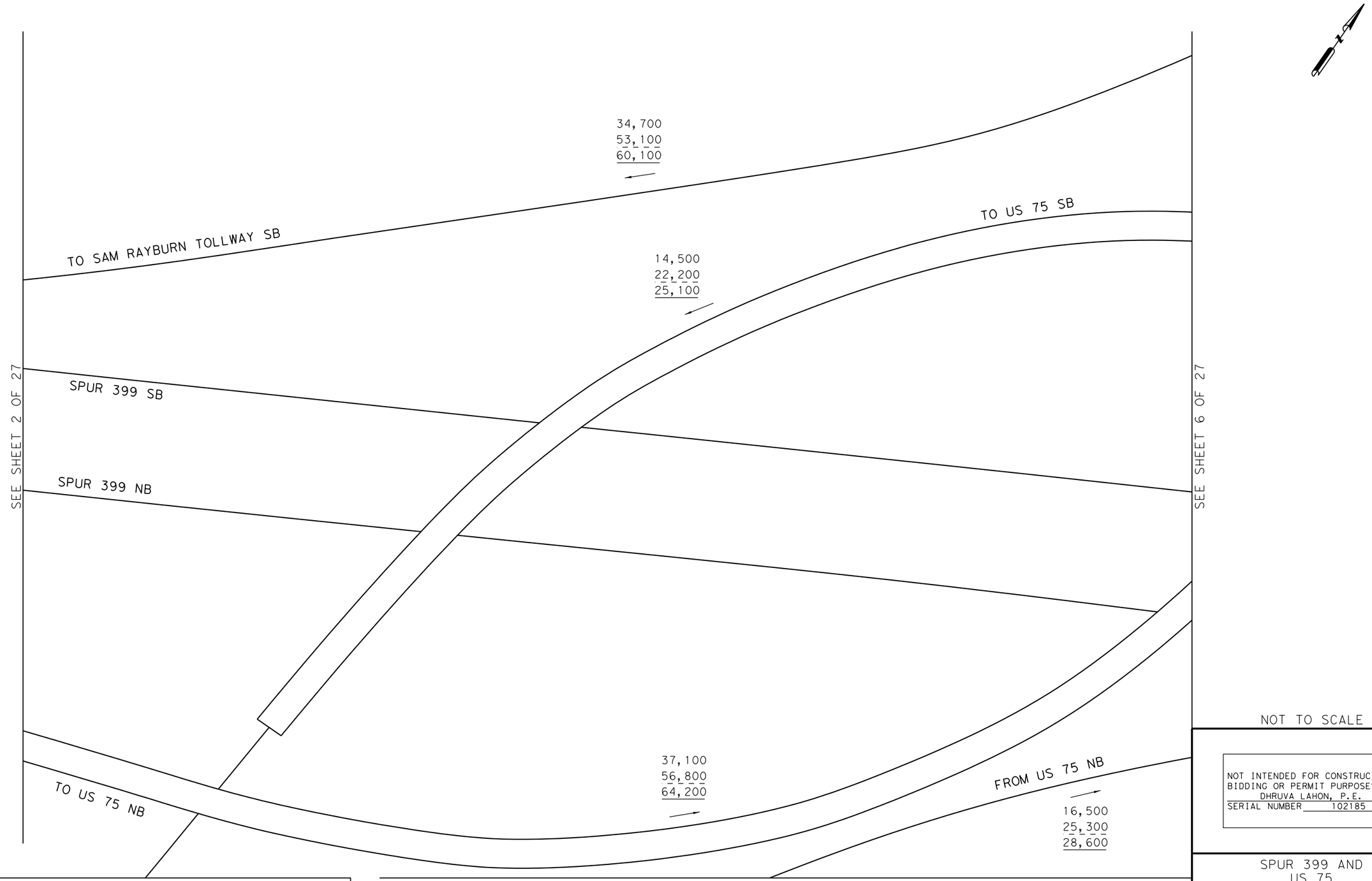

NOT TO SCALE

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SERIAL NUMBER 102185

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOTE:
ALL EXISTING RAMPS AND FRONTAGE ROAD SECTIONS ARE NOT SHOWN.
IMPACTED RAMPS AND FRONTAGE ROAD SECTIONS ARE SHOWN WITH VOLUMES.

SPUR 399 AND
US 75
AVERAGE DAILY TRAFFIC
EAST OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 3 OF 27

DATE: 8/11/2021
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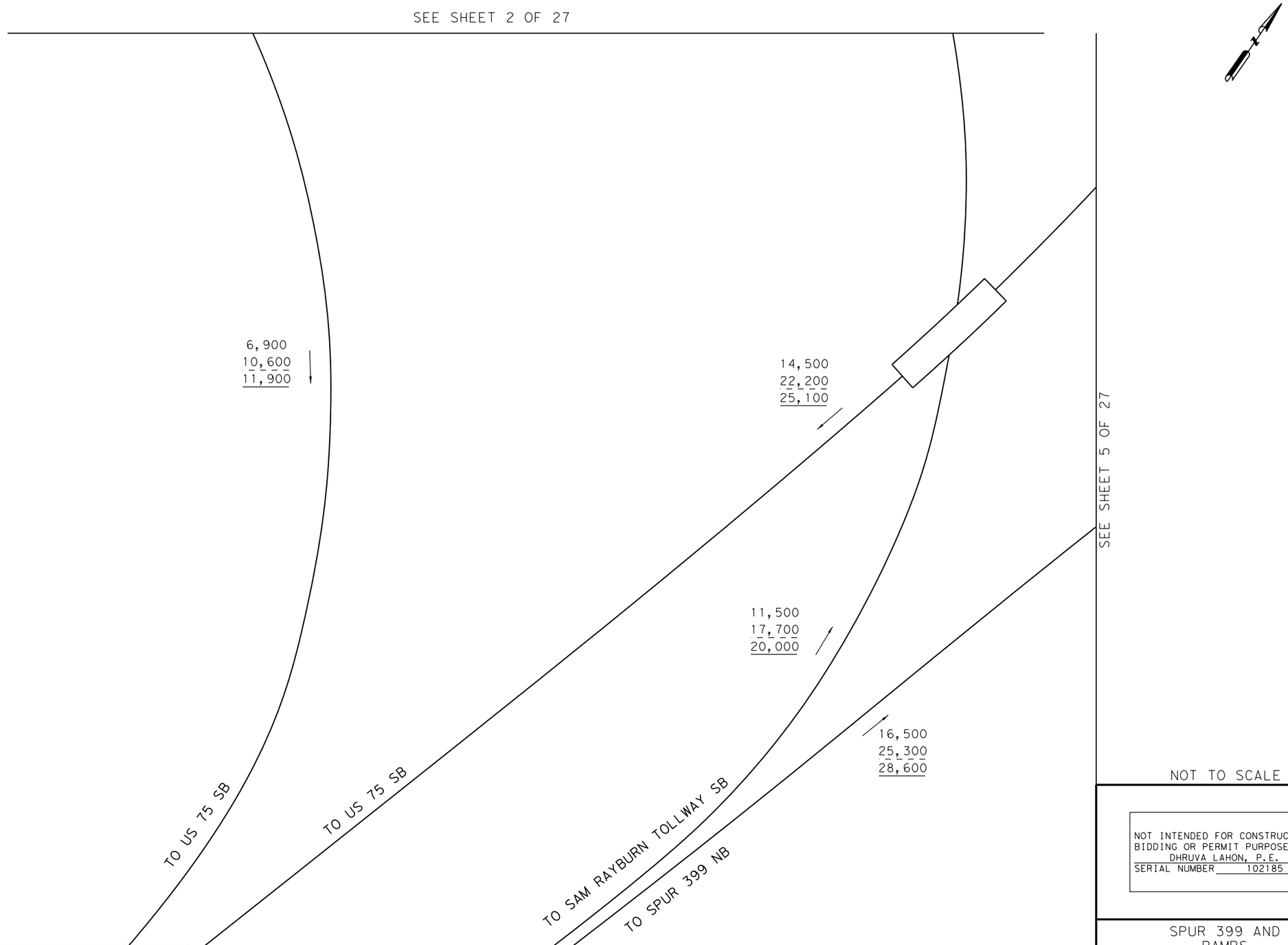

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NOTE:
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DHRUVA LAHON, P.E.
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SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
EAST OPTION BUILD VOLUMES

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0364-04-051 | SHEET 4 OF 27

DATE:8/11/2021
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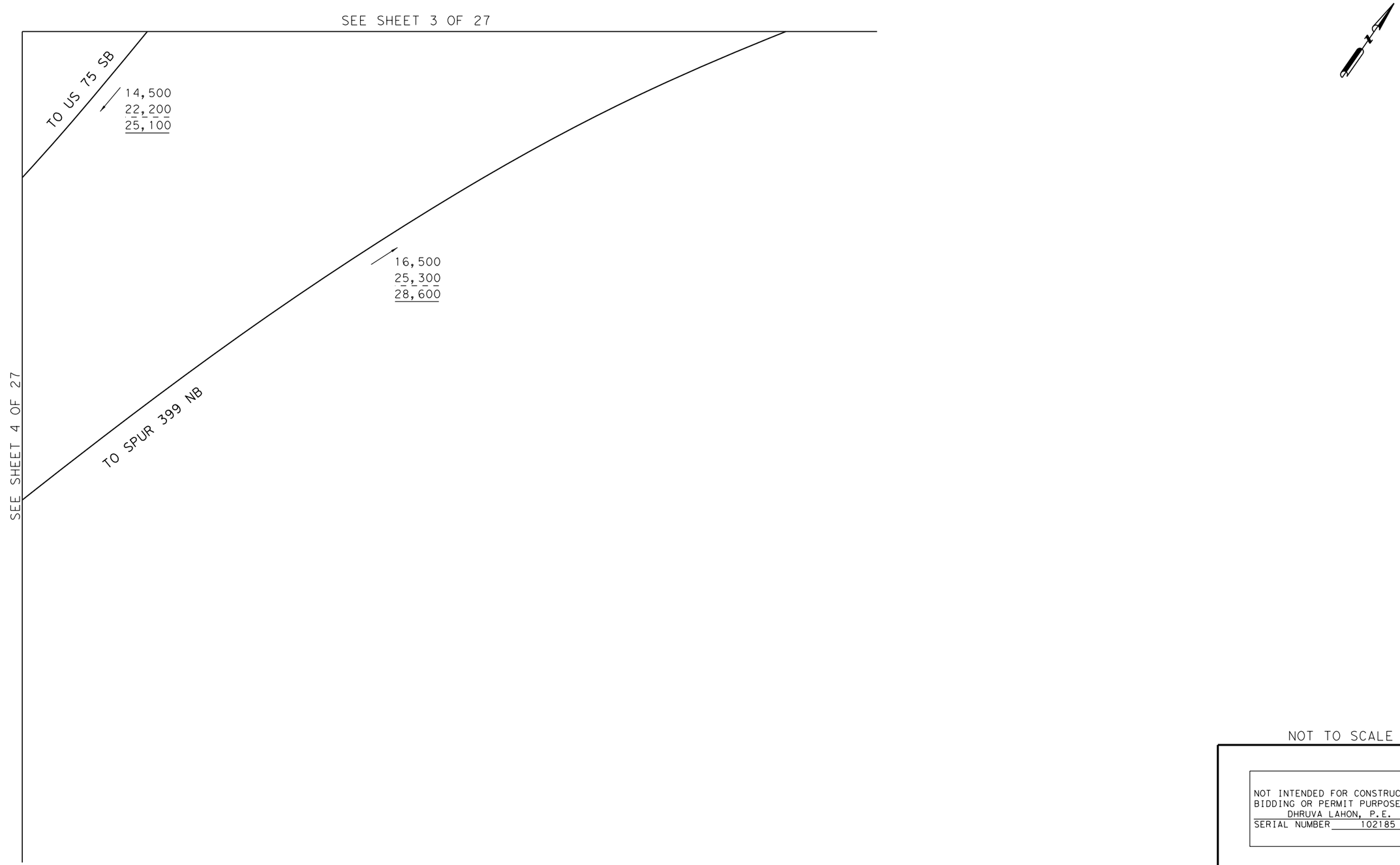

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SERIAL NUMBER 102185

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
EAST OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 5 OF 27

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOTE:
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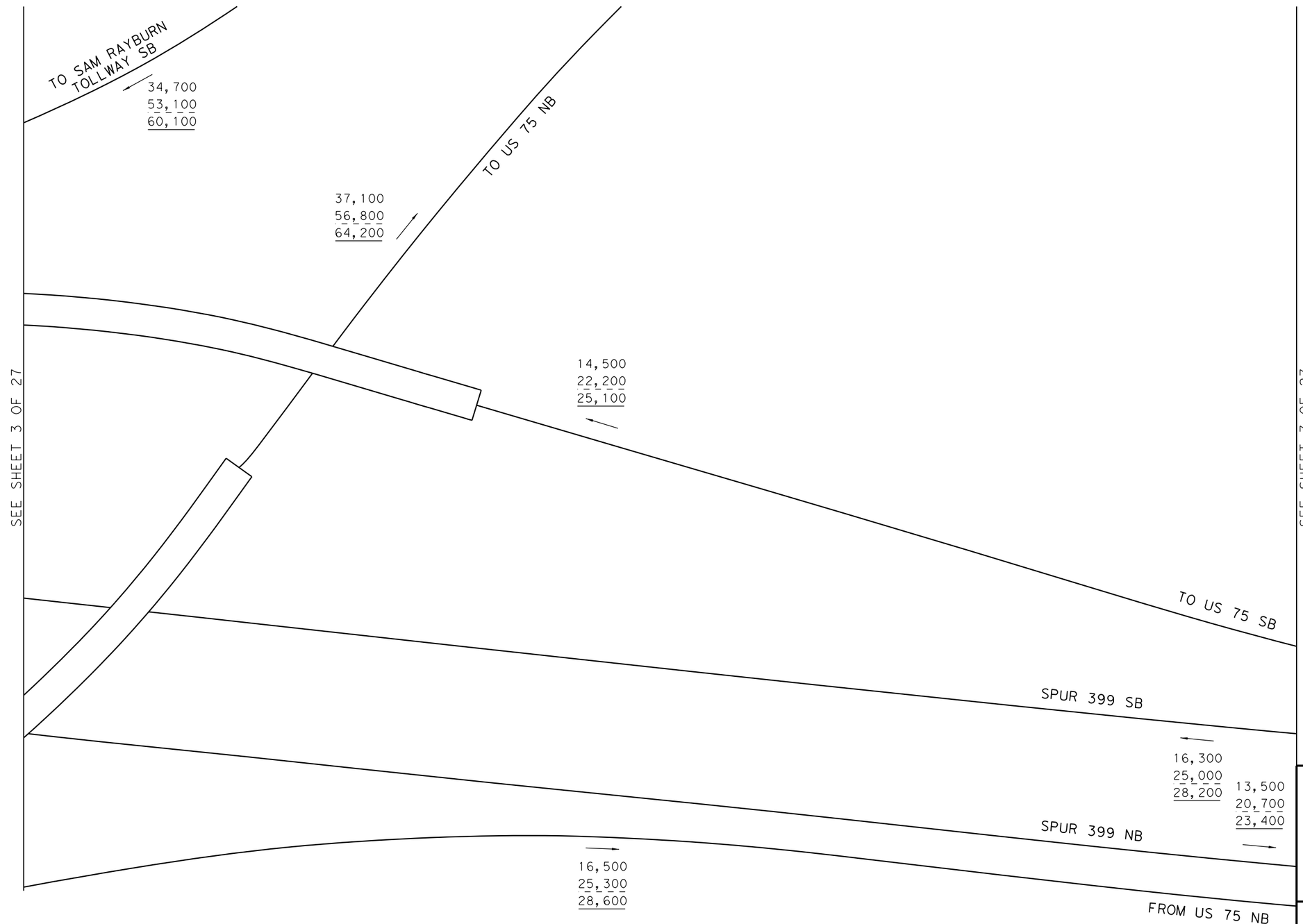

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SERIAL NUMBER 102185

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOTE:
BEGIN STUDY LIMITS.
ALL EXISTING RAMPS AND FRONTAGE ROAD SECTIONS ARE NOT SHOWN.
IMPACTED RAMPS AND FRONTAGE ROAD SECTIONS ARE SHOWN WITH VOLUMES.

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
EAST OPTION BUILD VOLUMES

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0364-04-051 | SHEET 6 OF 27

DATE:8/11/2021
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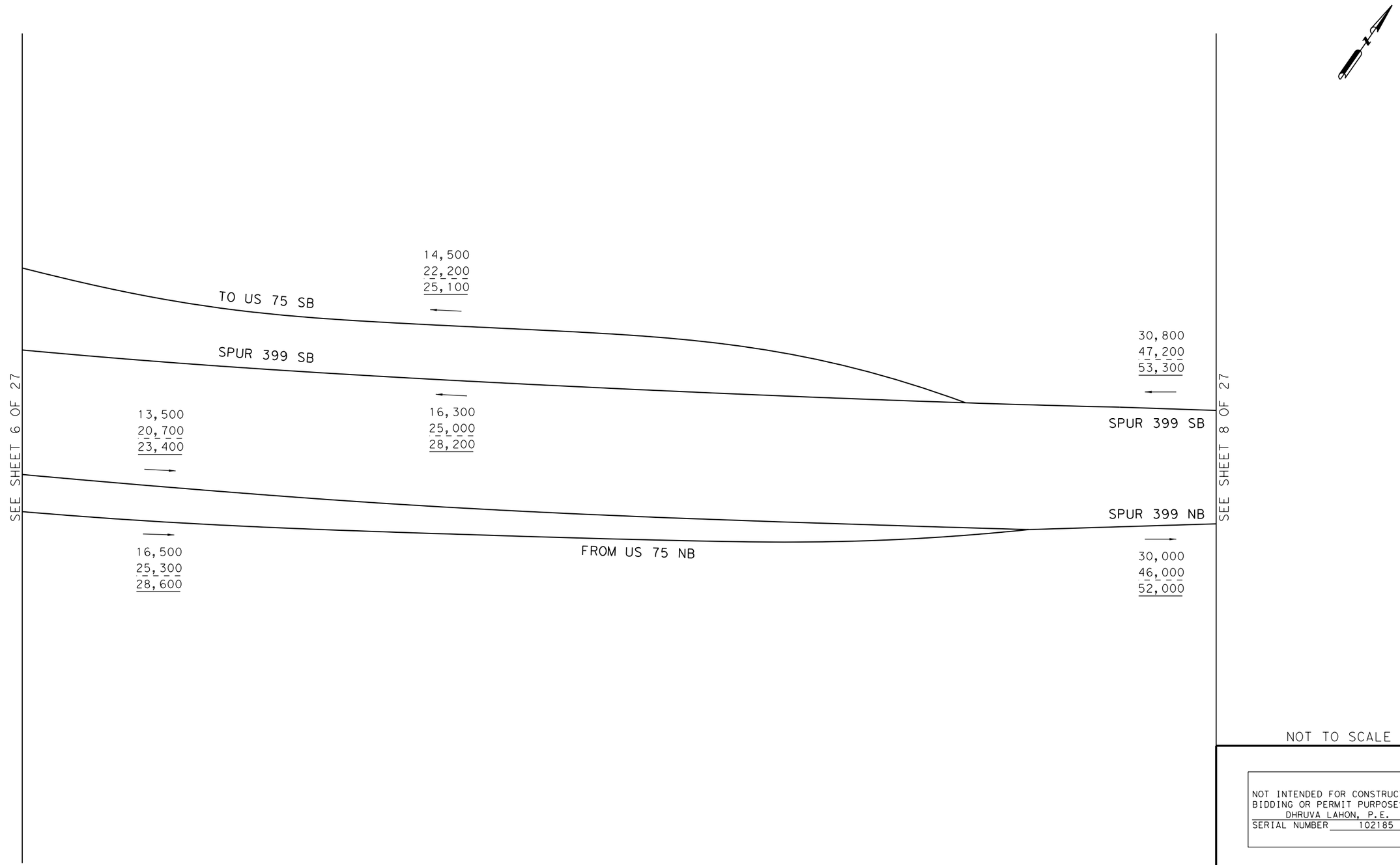

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DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

LEGEND

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SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
EAST OPTION BUILD VOLUMES

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0364-04-051 | SHEET 7 OF 27

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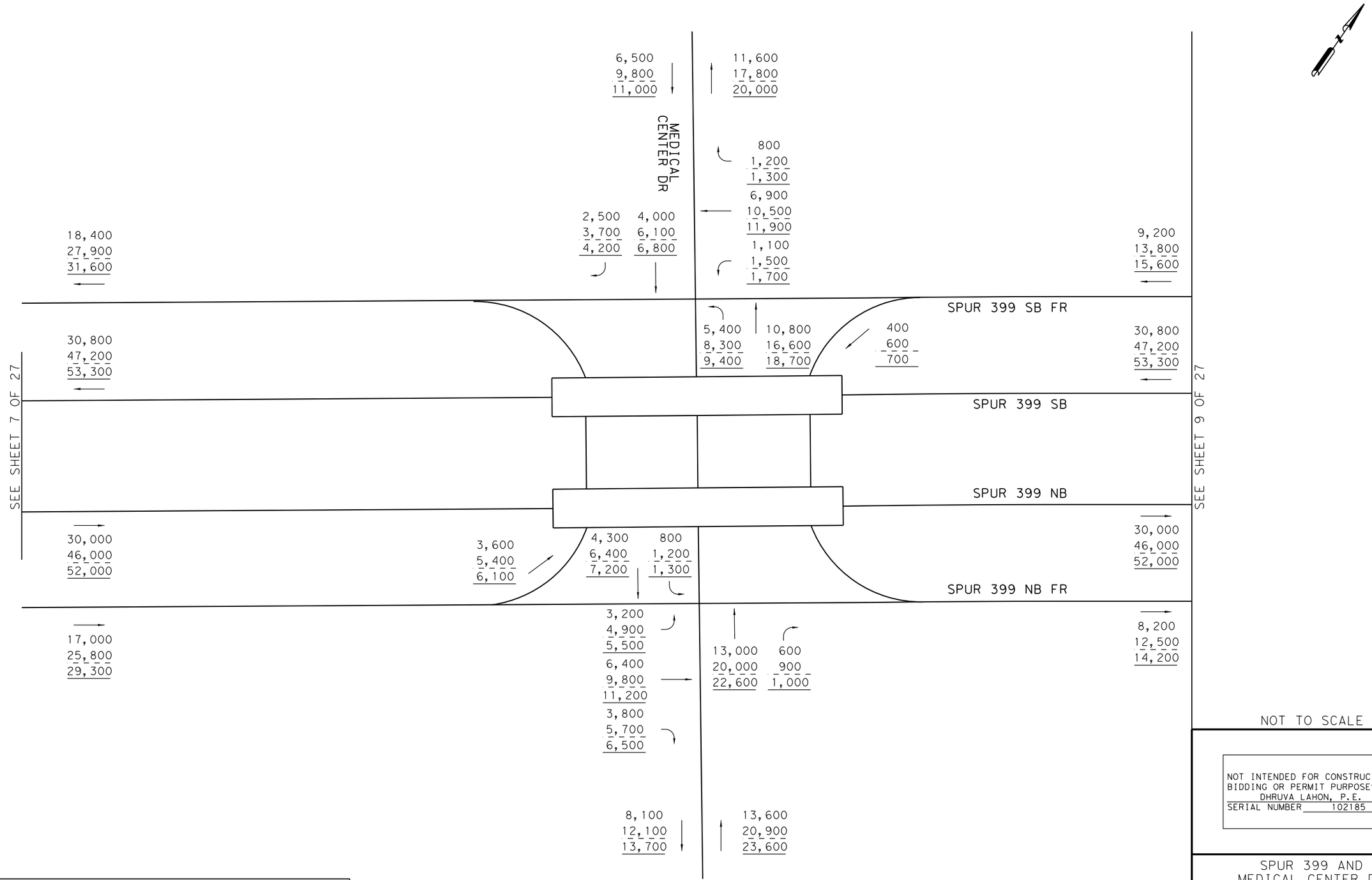

NOT TO SCALE

LEGEND

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SERIAL NUMBER 102185

SPUR 399 AND
MEDICAL CENTER DR
AVERAGE DAILY TRAFFIC
EAST OPTION BUILD VOLUMES

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0364-04-051 | SHEET 8 OF 27

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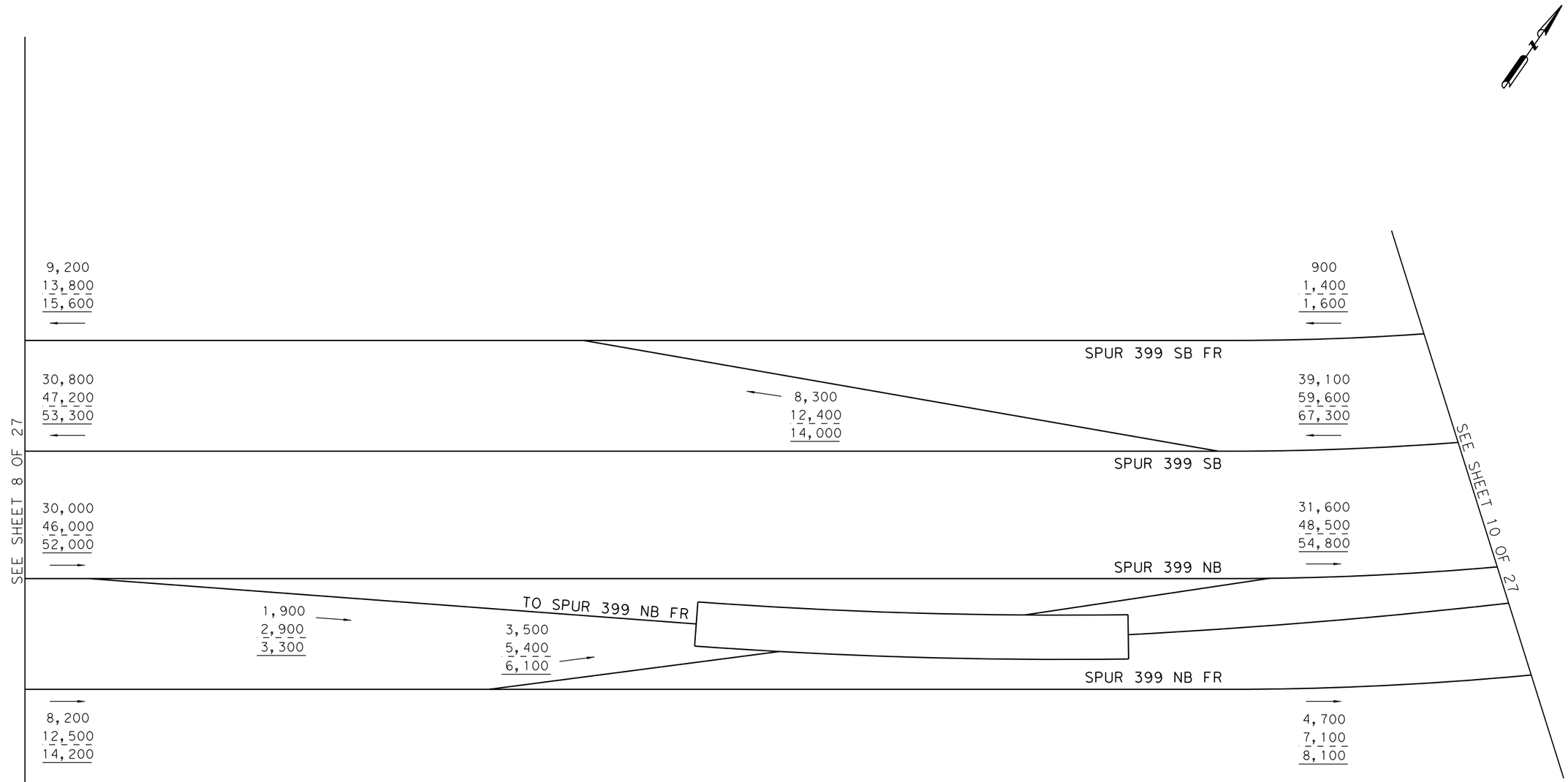

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XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
EAST OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 9 OF 27

DATE:7/12/2021
FILE:SPUR399_EAST_TRF_09.dgn

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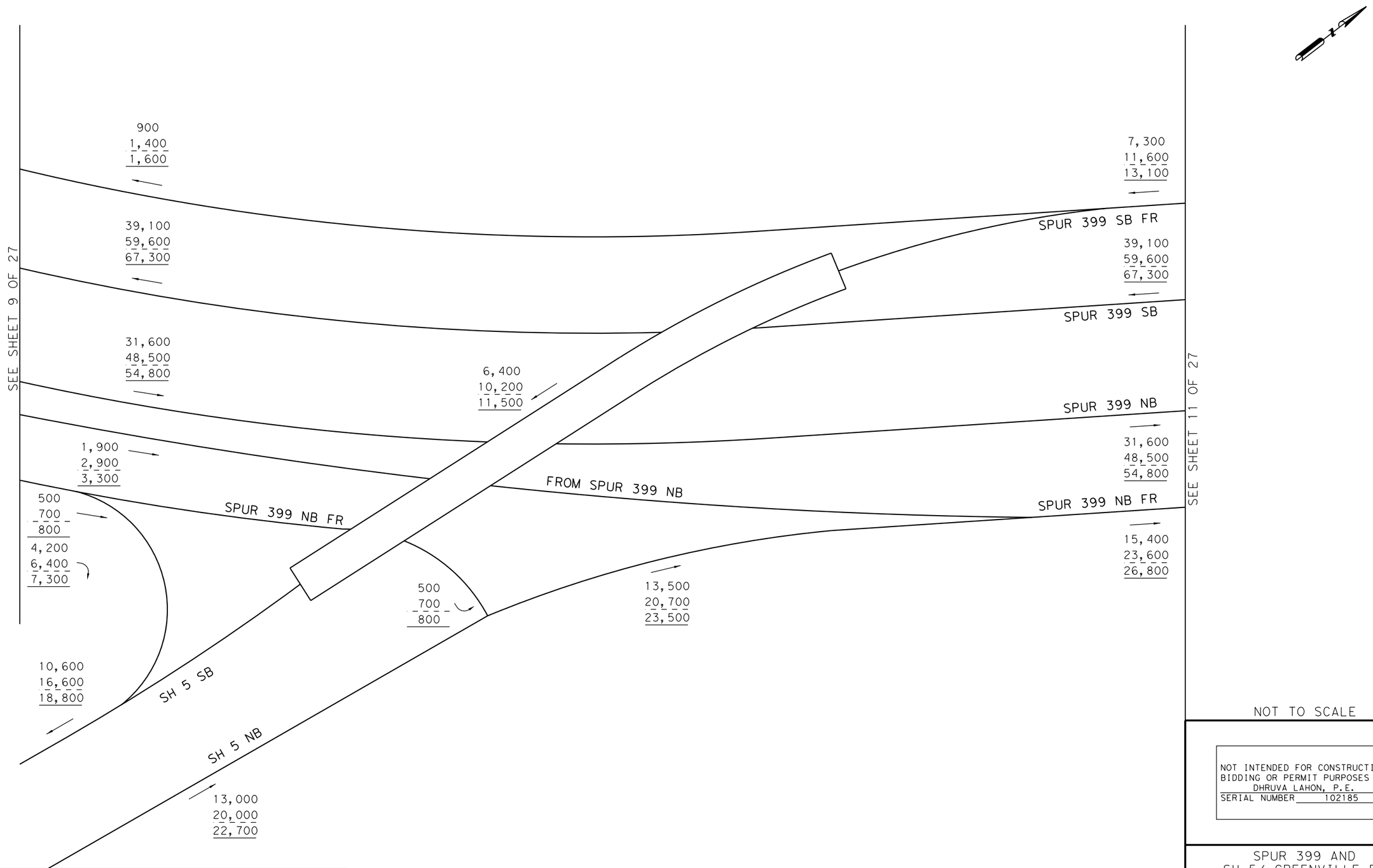

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XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

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SERIAL NUMBER 102185

SPUR 399 AND
SH 5/ GREENVILLE DR
AVERAGE DAILY TRAFFIC
EAST OPTION BUILD VOLUMES

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0364-04-051 | SHEET 10 OF 27

DATE:7/12/2021
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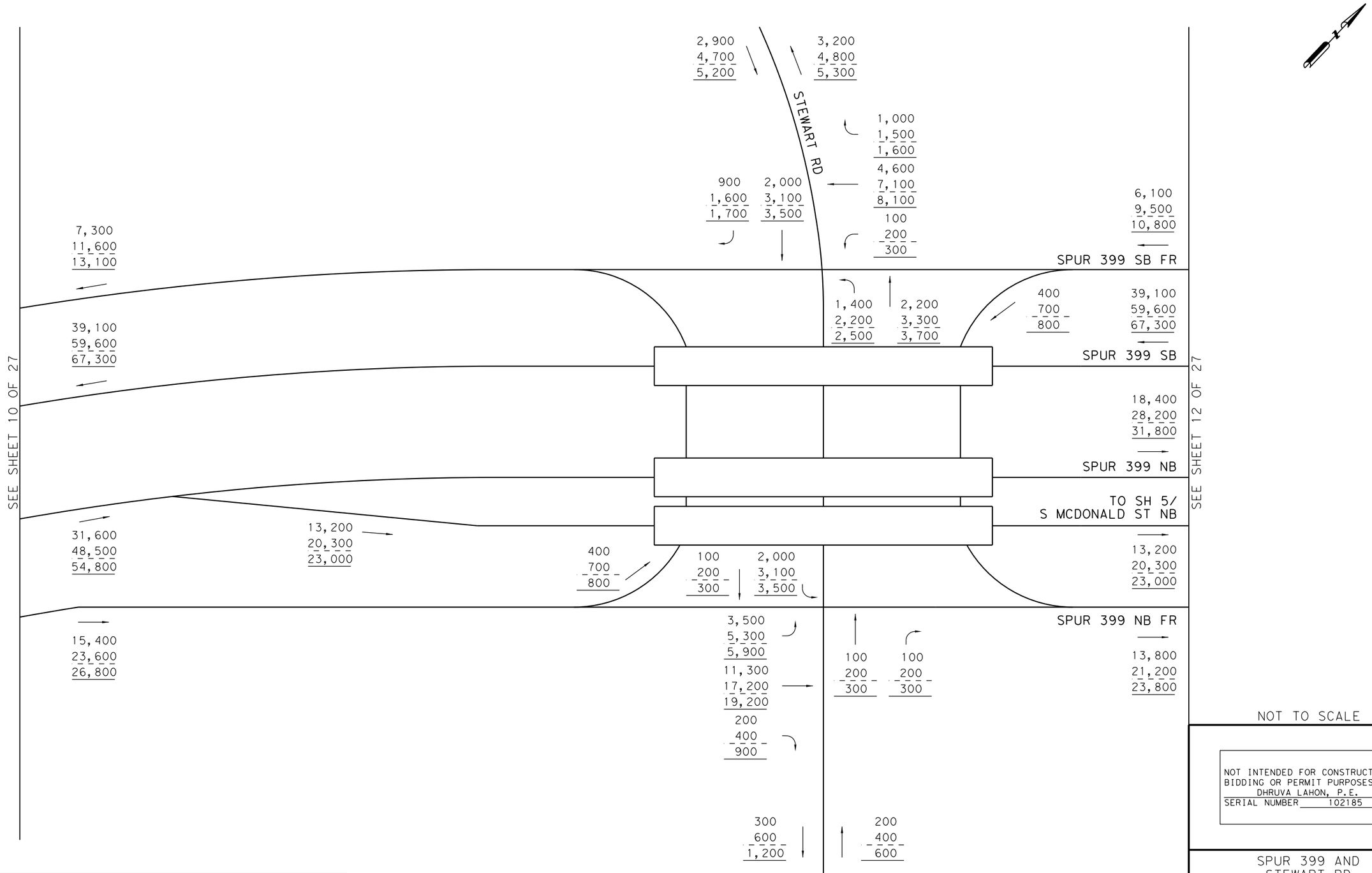

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LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND
STEWART RD
AVERAGE DAILY TRAFFIC
EAST OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 11 OF 27

DATE:7/12/2021
FILE:SPUR399_EAST_TRF_11.dgn

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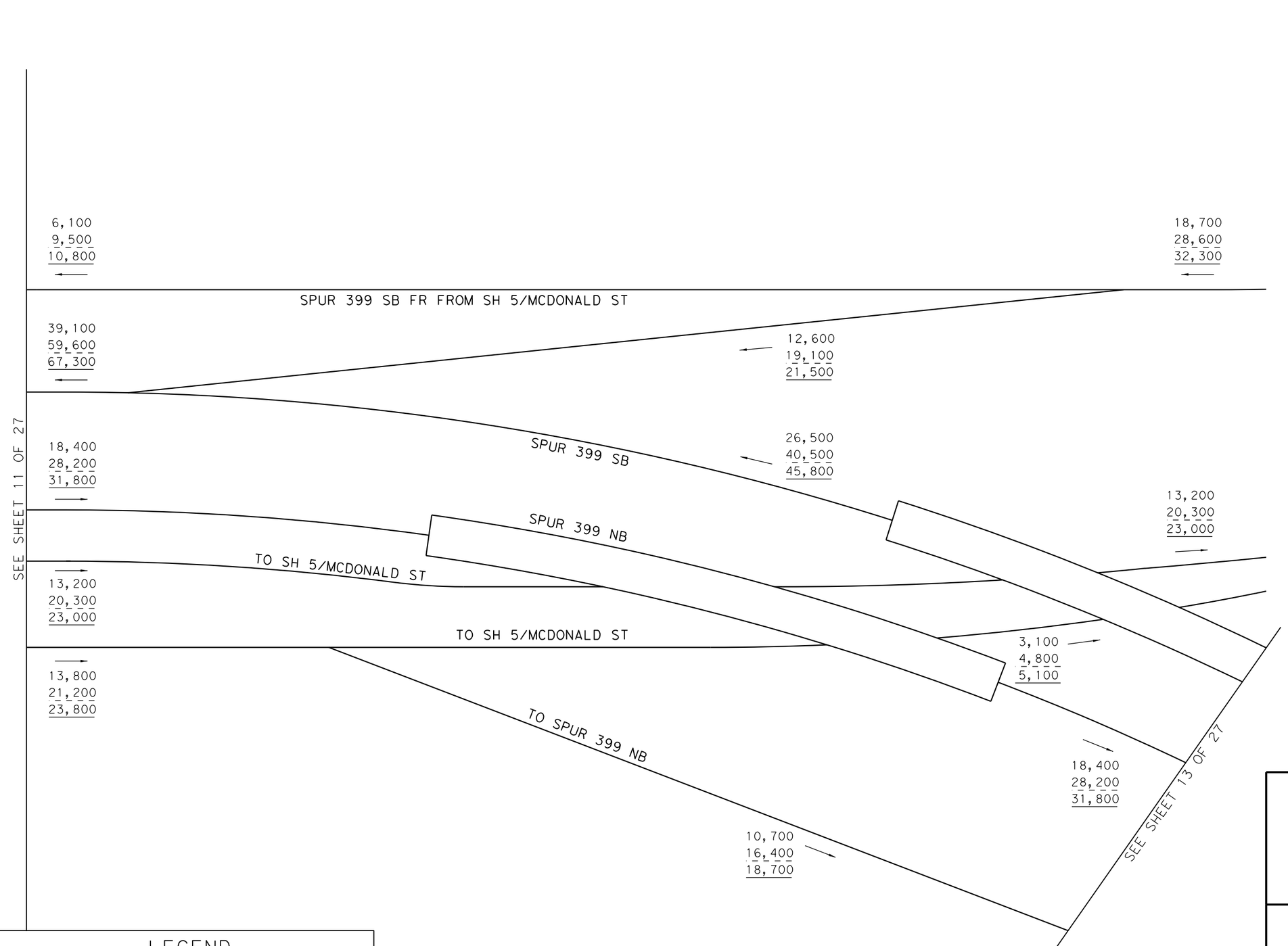

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOT TO SCALE

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
EAST OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 12 OF 27

DATE: 7/12/2021
FILE: SPUR399_EAST_TRF_12.dgn

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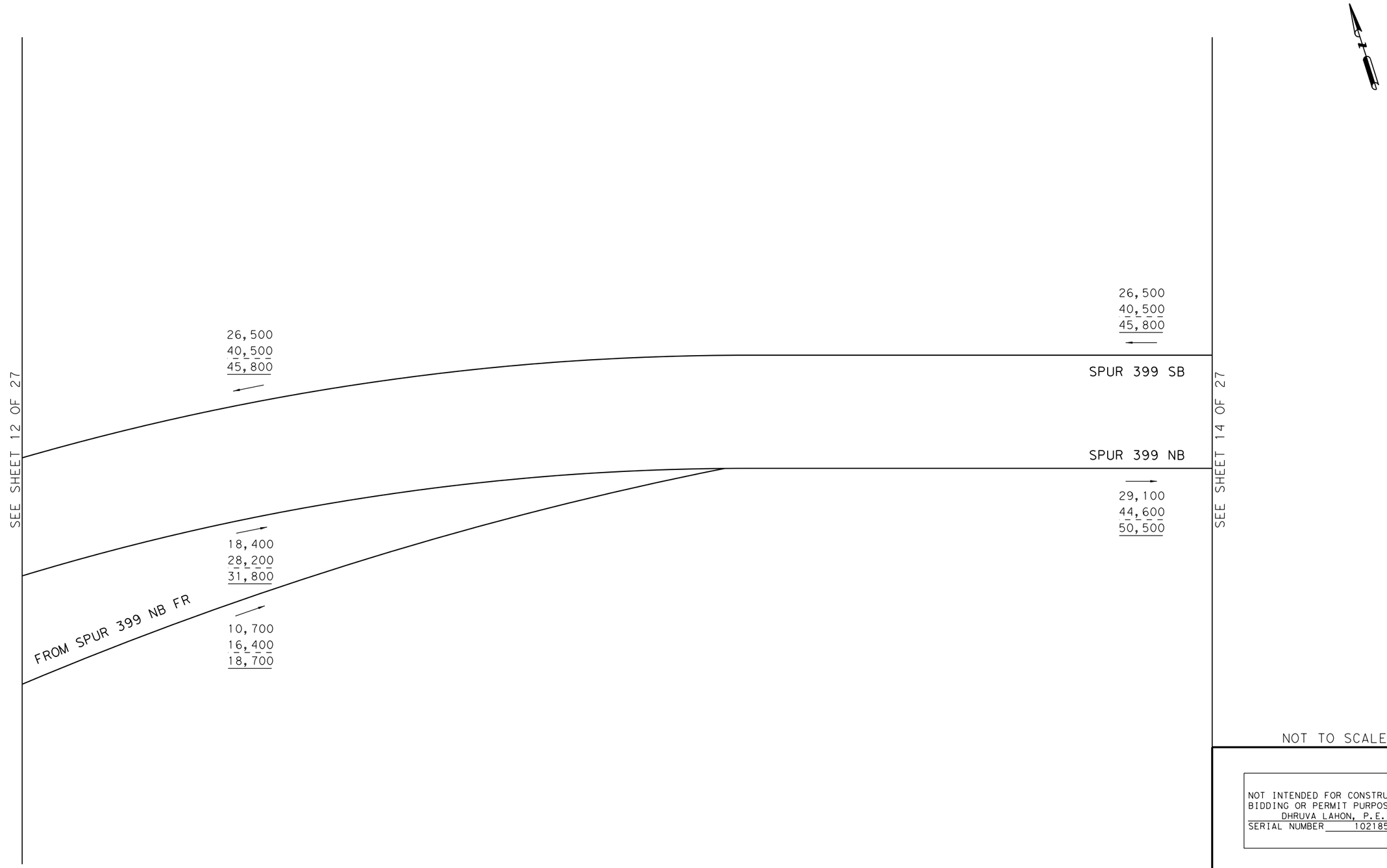

NOT TO SCALE

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
EAST OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 13 OF 27

DATE: 7/12/2021
FILE: SPUR399_EAST_TRF_13.dgn

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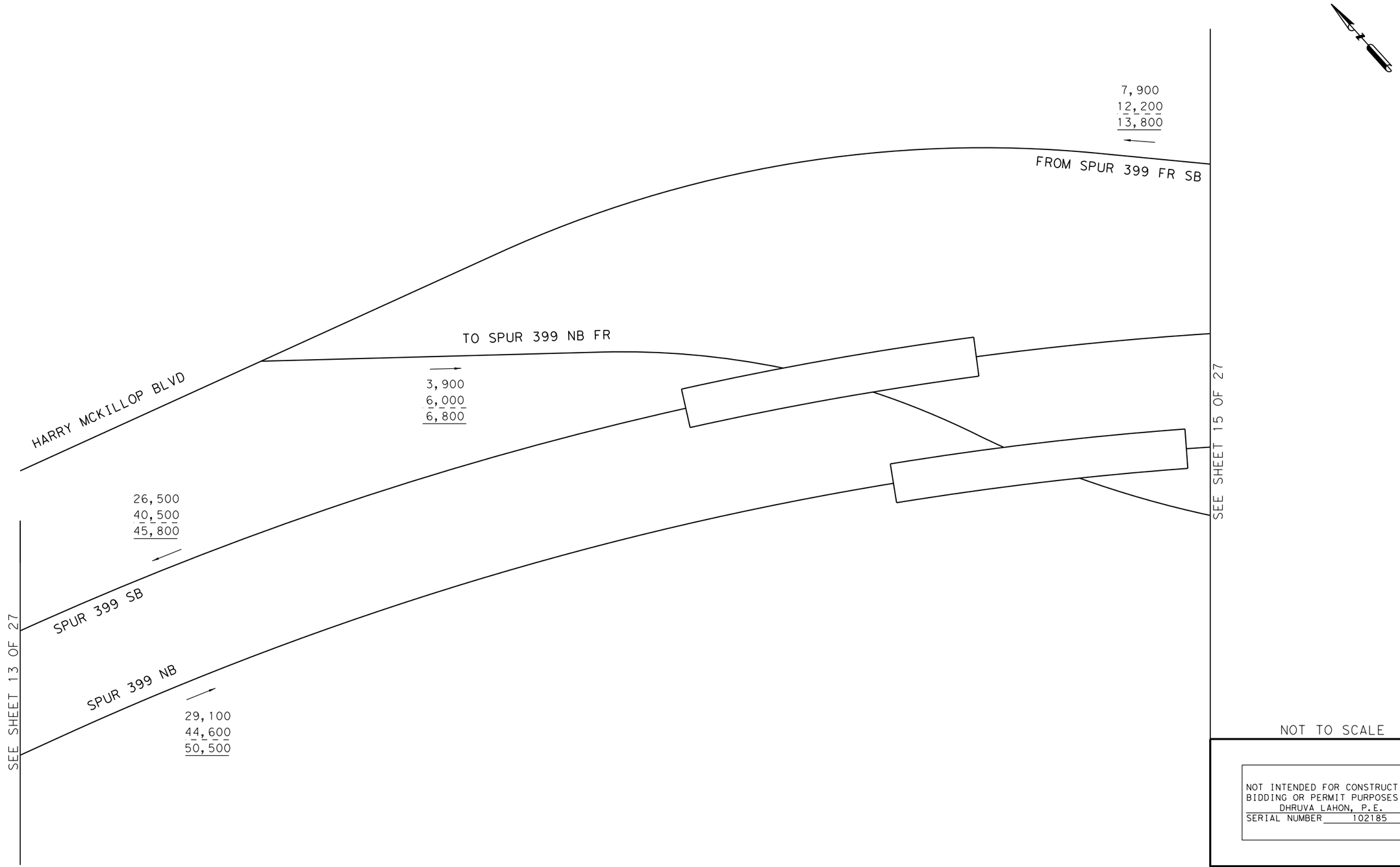


NOT TO SCALE

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

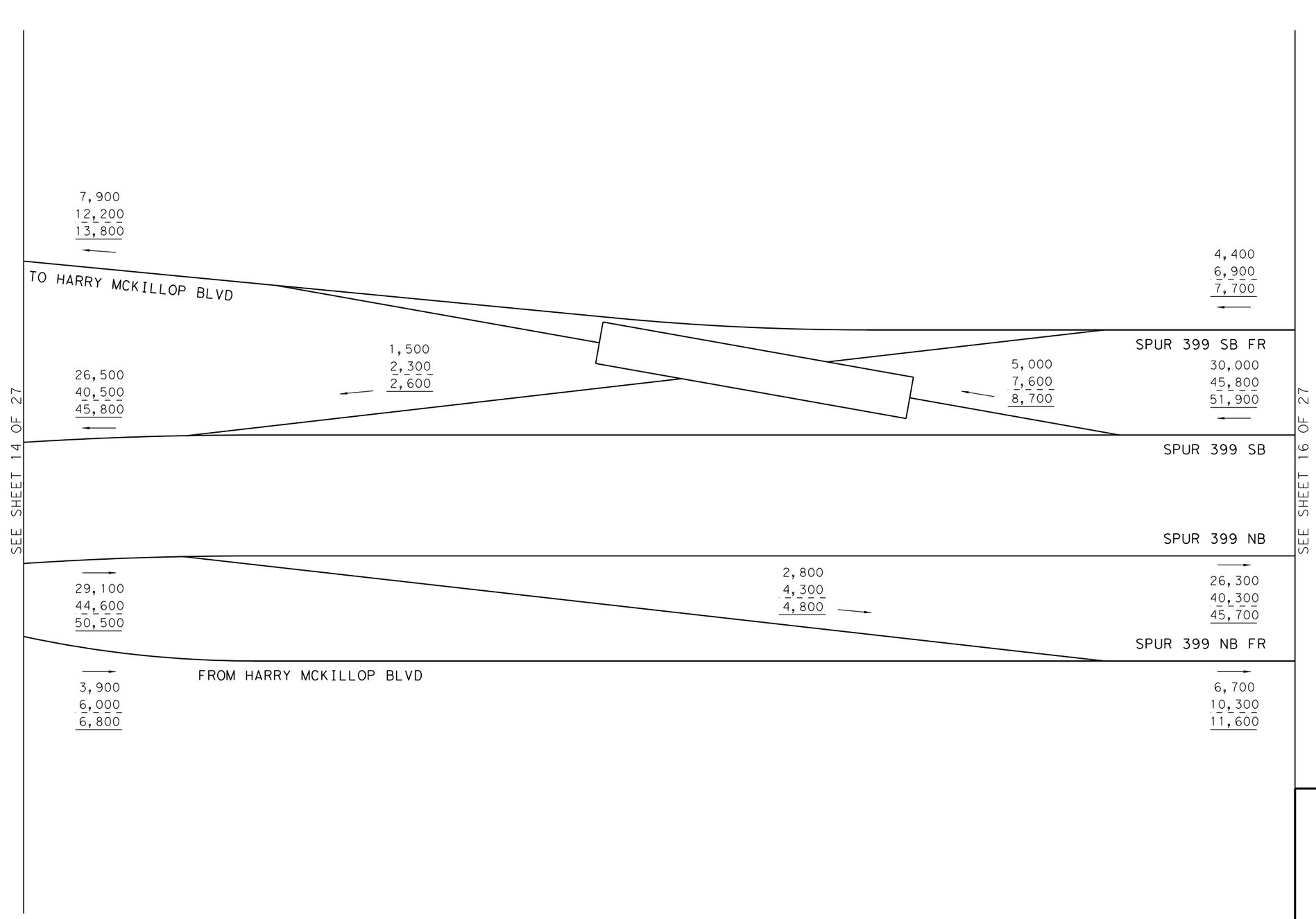
SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
EAST OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 14 OF 27

DATE:7/12/2021
FILE:SPUR399_EAST_TRF_14.dgn

DocuSign Envelope ID: 06C726C1-8257-4DCF-82FD-923EB8706D93



NOT TO SCALE

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
EAST OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 15 OF 27

DATE: 7/12/2021
FILE: SPUR399_EAST_TRF_15.dgn

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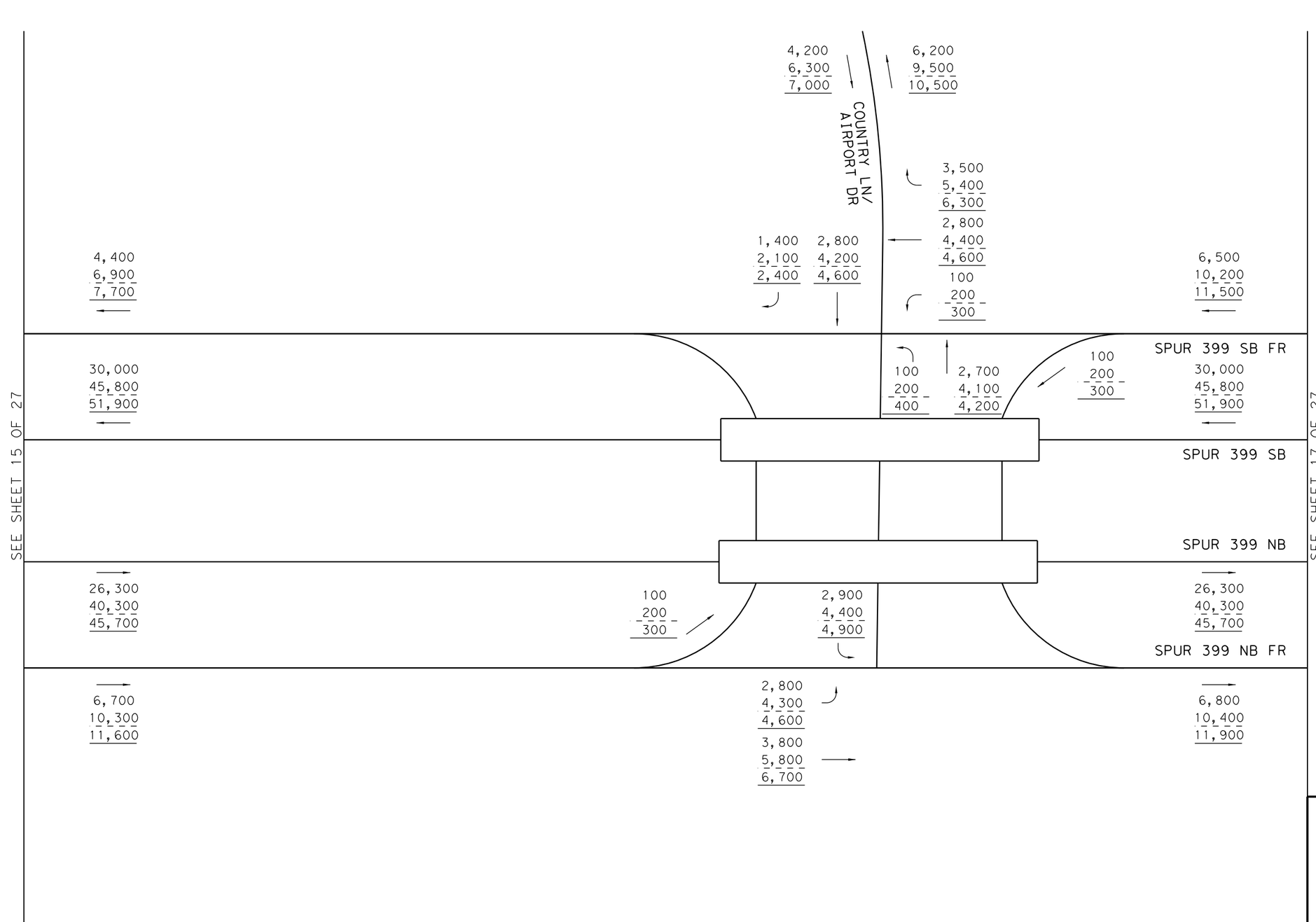

NOT TO SCALE

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND
COUNTRY LN/ AIRPORT DR
AVERAGE DAILY TRAFFIC
EAST OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 16 OF 27

DATE:7/12/2021
FILE:SPUR399_EAST_TRF_16.dgn

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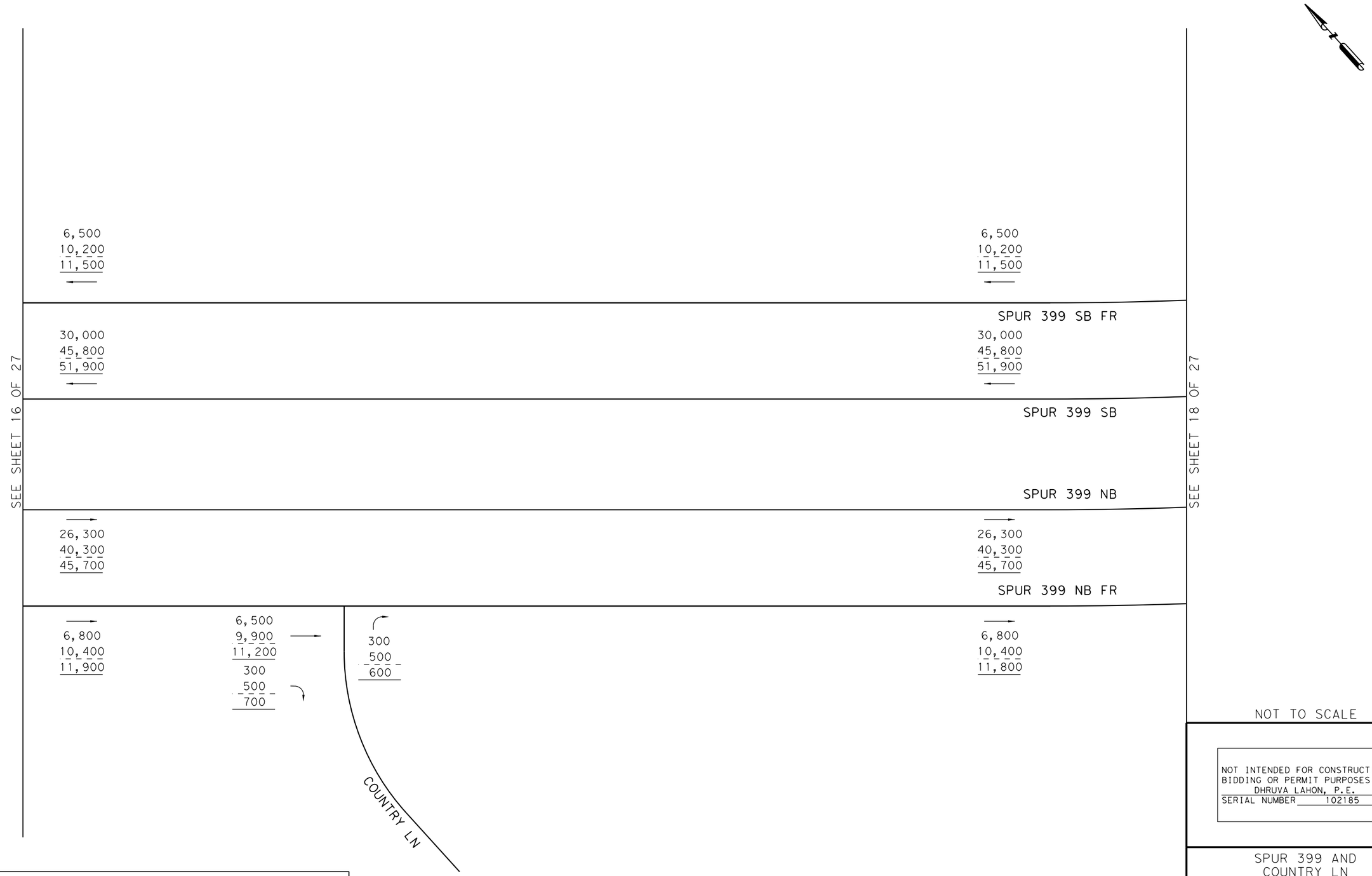

NOT TO SCALE

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND
COUNTRY LN
AVERAGE DAILY TRAFFIC
EAST OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 17 OF 27

DATE: 7/12/2021
FILE: SPUR399_EAST_TRF_17.dgn

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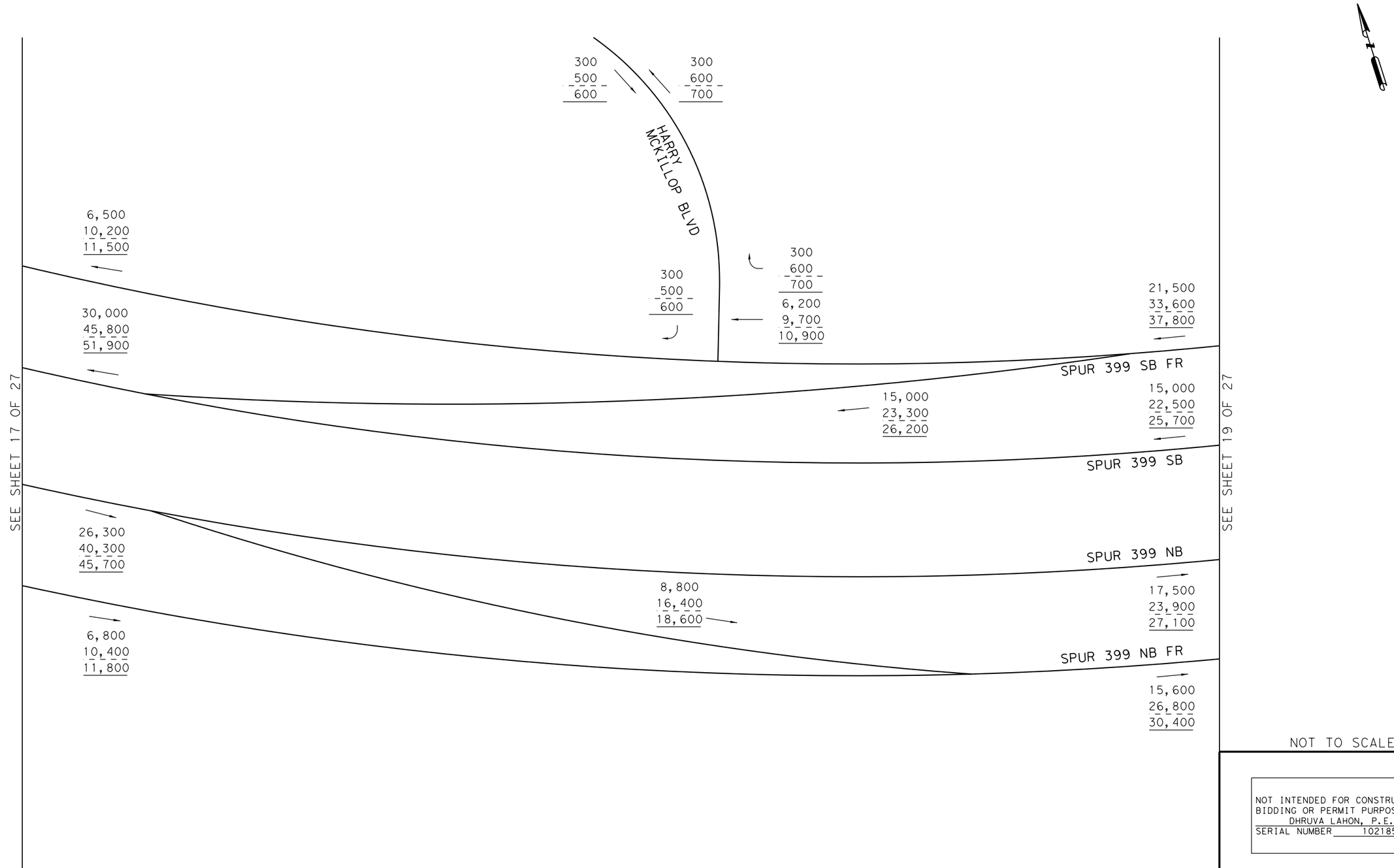

NOT TO SCALE

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

SPUR 399 AND
HARRY MCKILLOP BLVD
AVERAGE DAILY TRAFFIC
EAST OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 18 OF 27

DATE:7/26/2021
FILE:SPUR399_EAST_TRF_18.dgn

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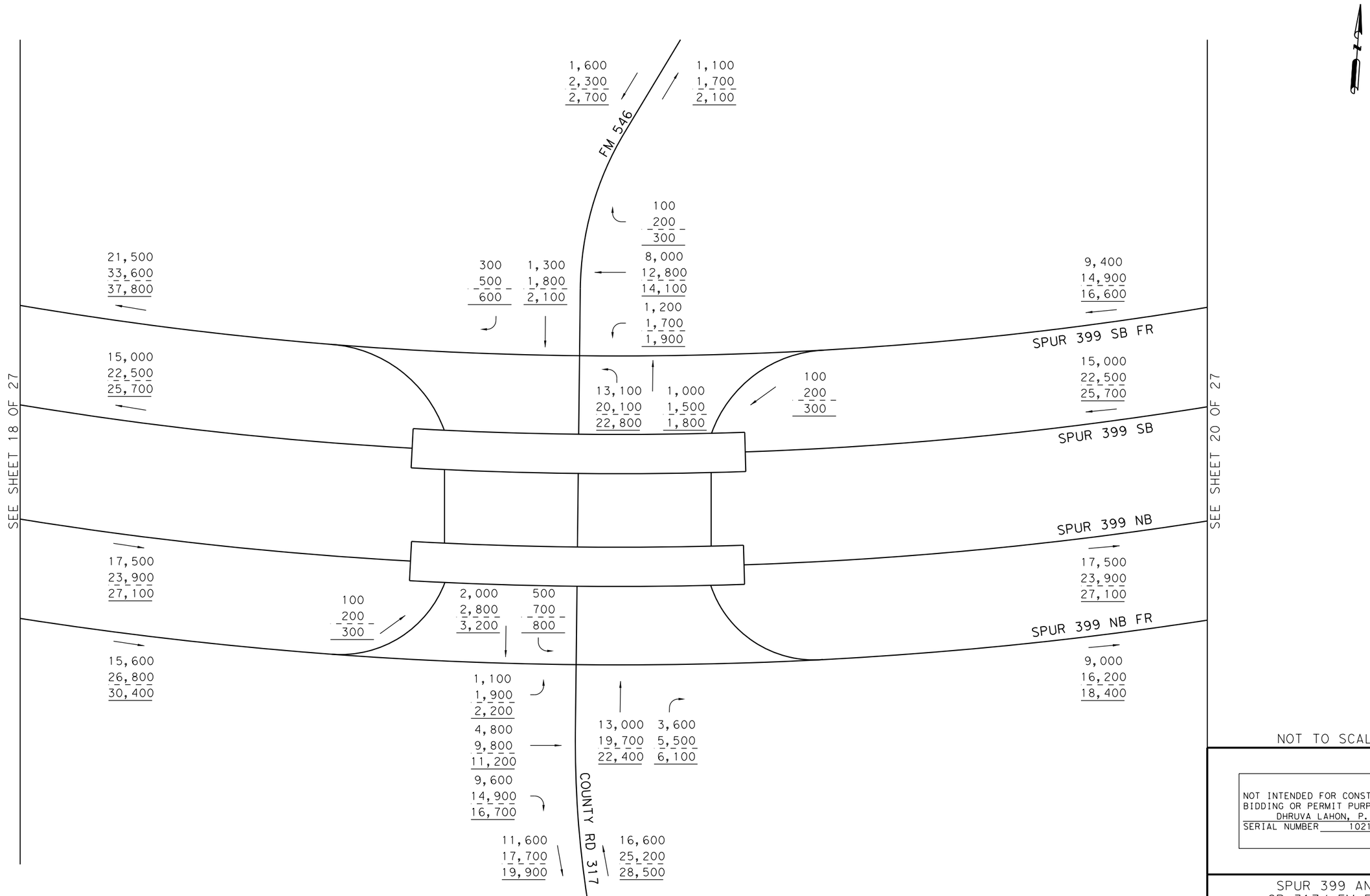

NOT TO SCALE

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND
CR 317/ FM 546
AVERAGE DAILY TRAFFIC
EAST OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 19 OF 27

DATE:7/26/2021
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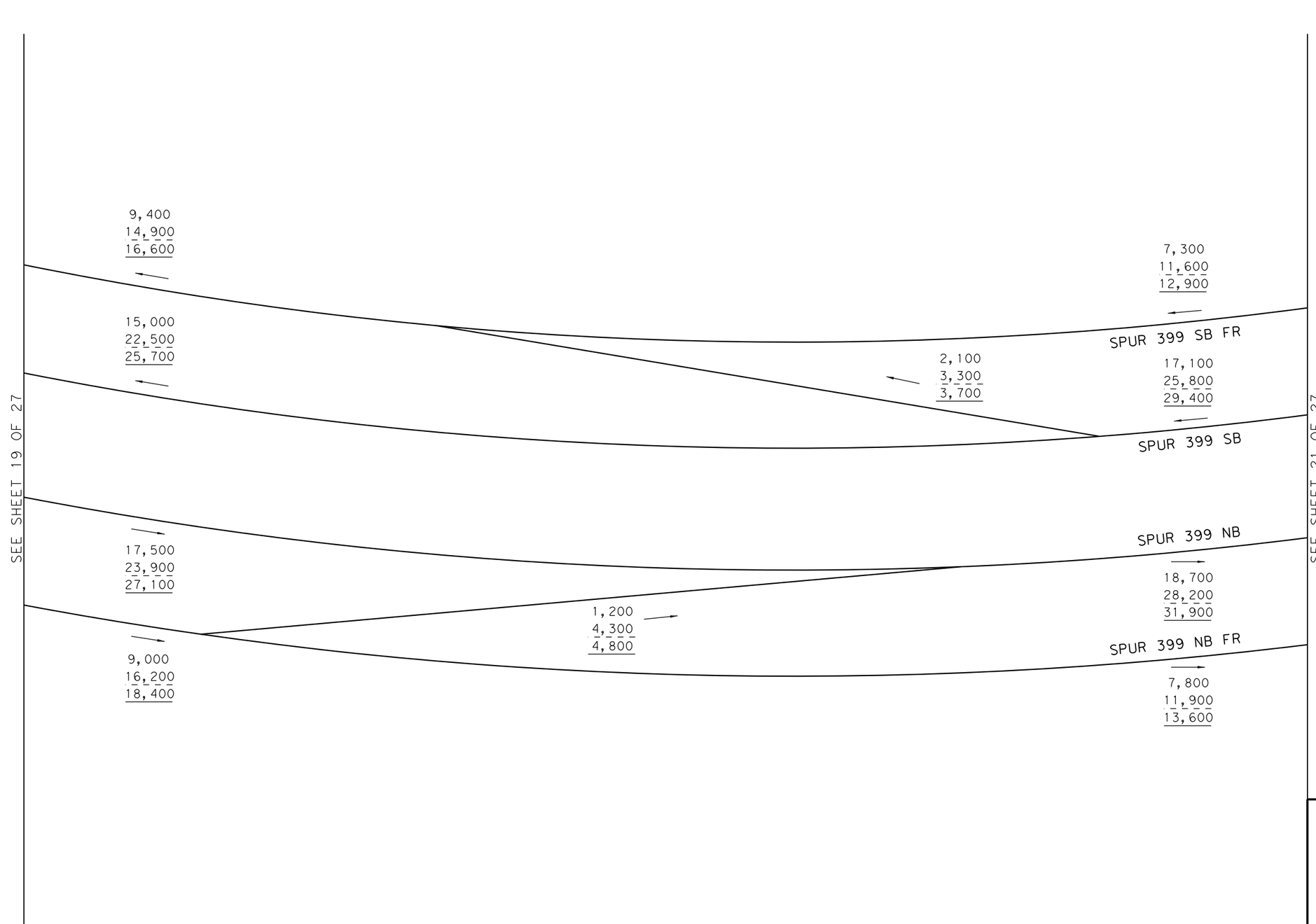

NOT TO SCALE

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
EAST OPTION BUILD VOLUMES

Kimley»Horn F-928

DATE: 7/26/2021
FILE: SPUR399_EAST_TRF_20.dgn

0364-04-051 | SHEET 20 OF 27

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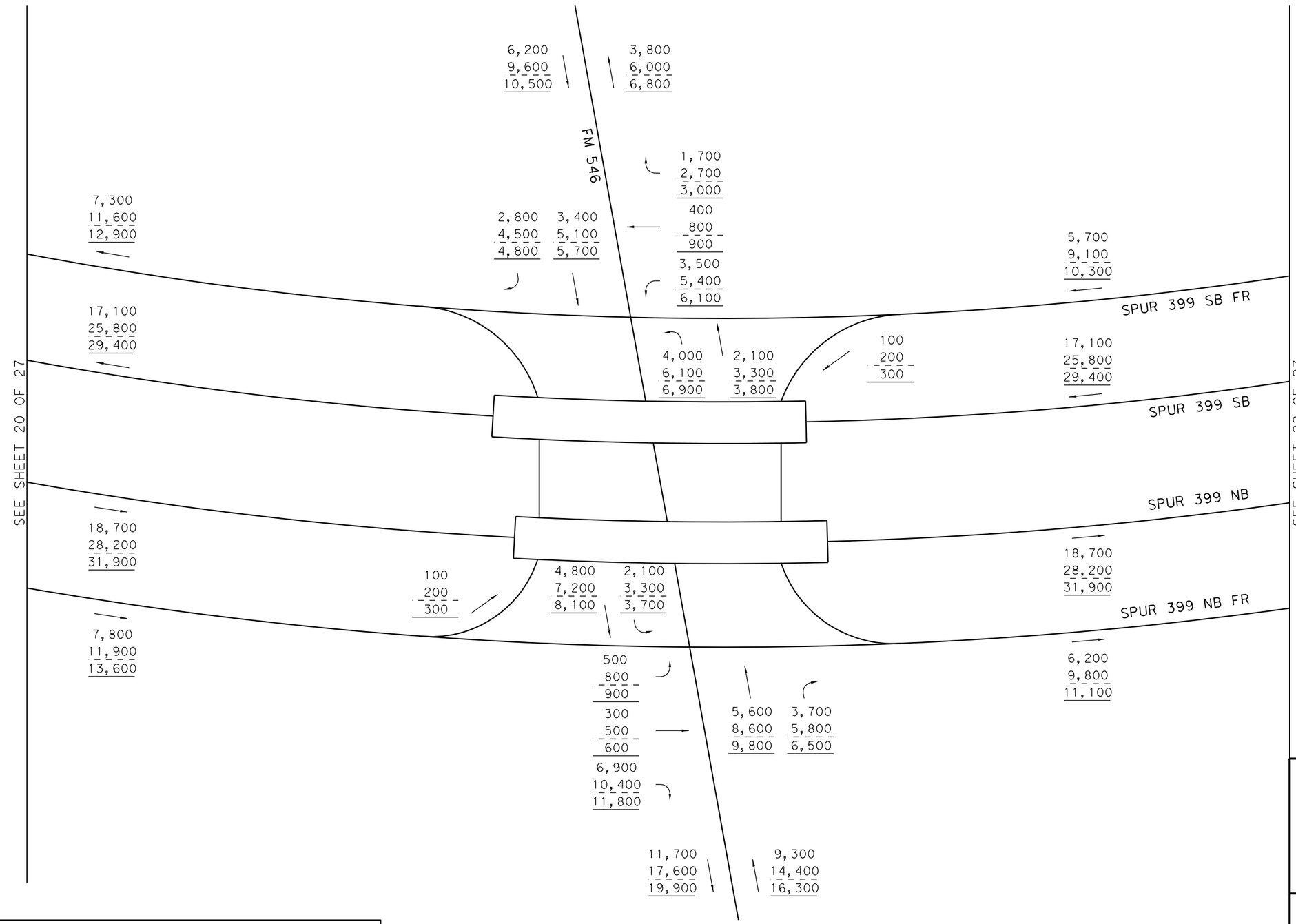

NOT TO SCALE

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND
FM 546
AVERAGE DAILY TRAFFIC
EAST OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 21 OF 27

DATE: 7/26/2021
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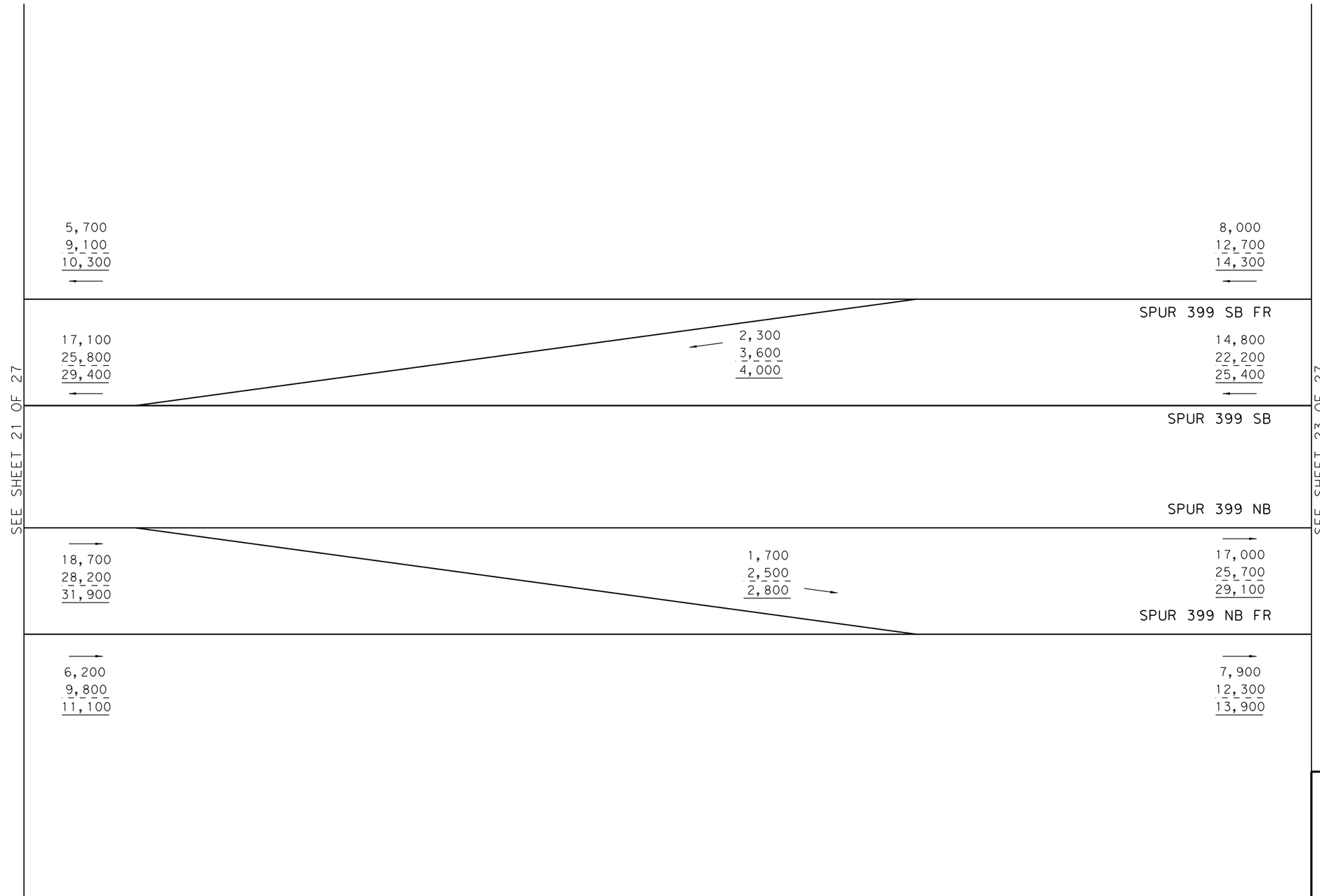

NOT TO SCALE

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
EAST OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 22 OF 27

DATE:7/26/2021
FILE:SPUR399_EAST_TRF_22.dgn

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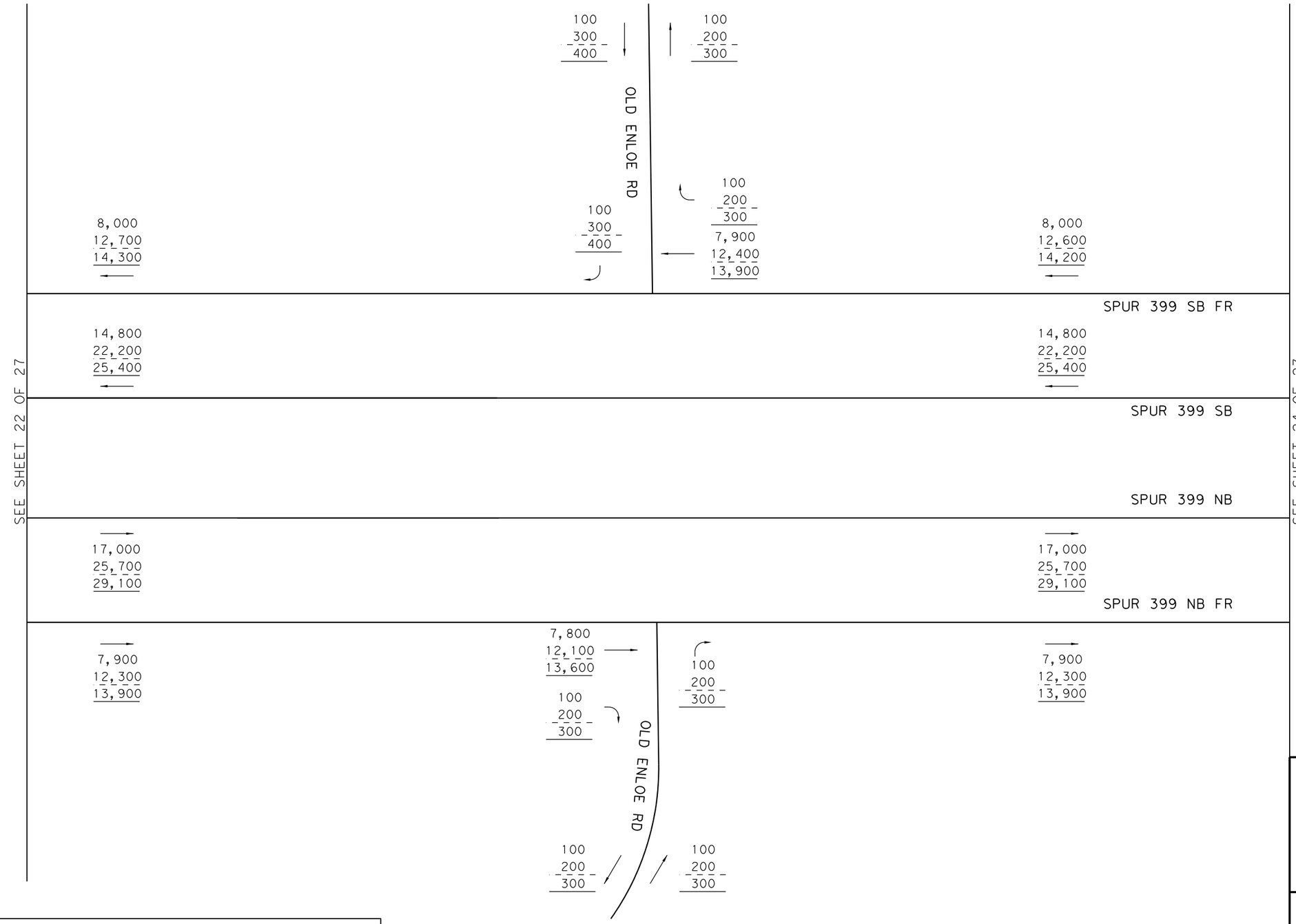

NOT TO SCALE

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

SPUR 399 AND
OLD ENLOE RD
AVERAGE DAILY TRAFFIC
EAST OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 23 OF 27

DATE:7/26/2021
FILE:SPUR399_EAST_TRF_23.dgn

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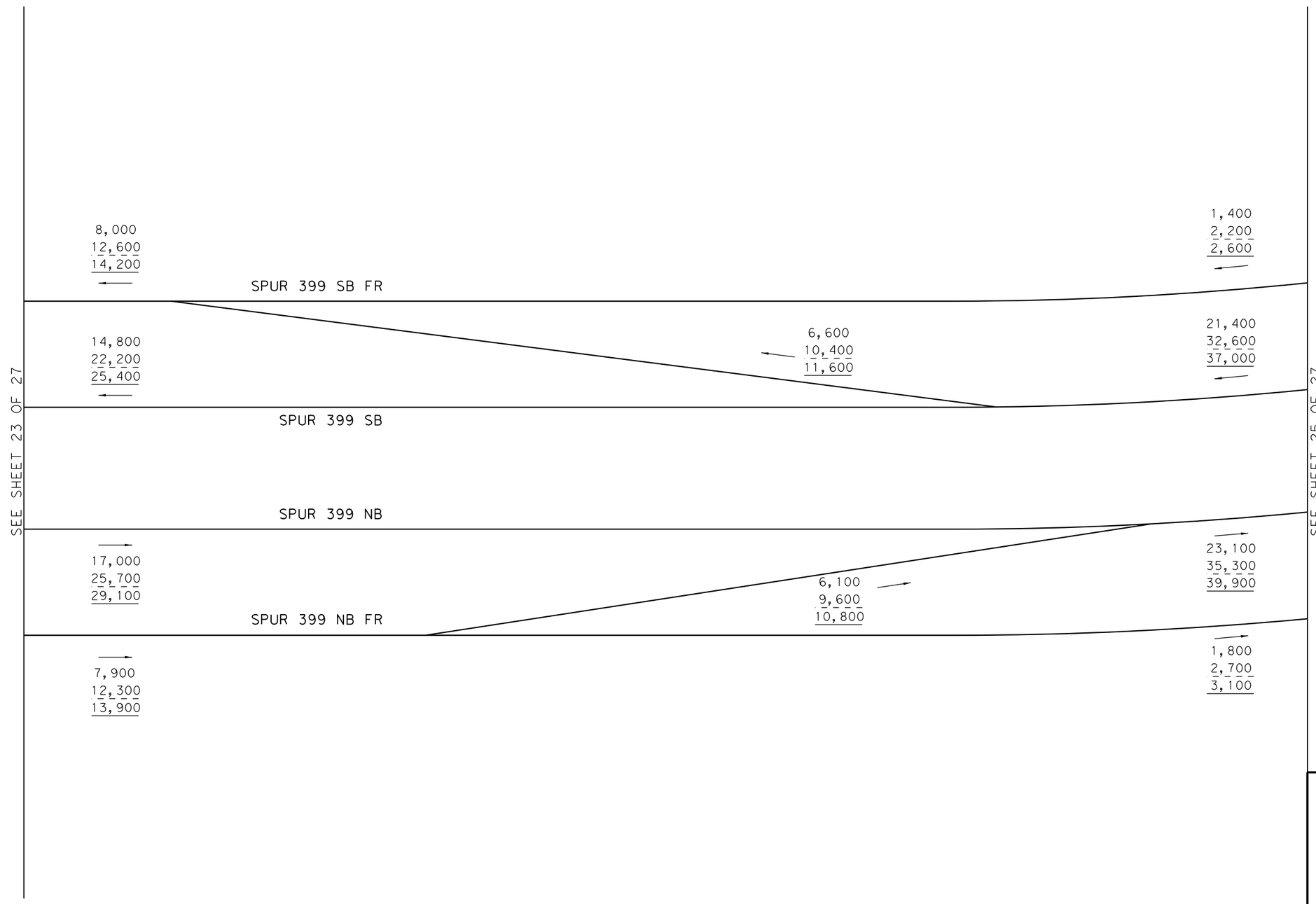

NOT TO SCALE

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
EAST OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 24 OF 27

DATE:7/26/2021
FILE:SPUR399_EAST_TRF_24.dgn

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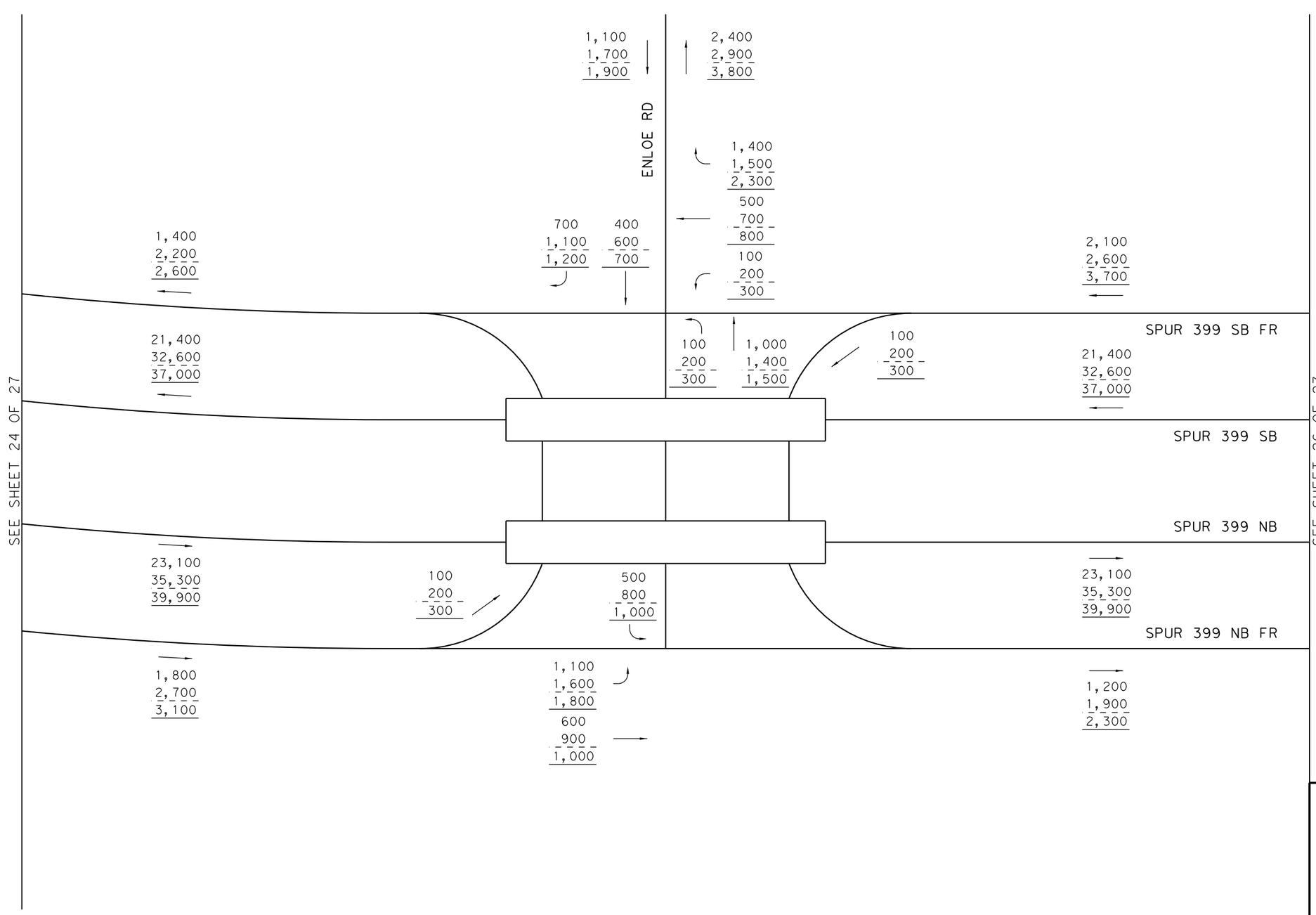

NOT TO SCALE

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND
ENLOE RD
AVERAGE DAILY TRAFFIC
EAST OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 25 OF 27

DATE: 7/12/2021
FILE: SPUR399_EAST_TRF_25.dgn

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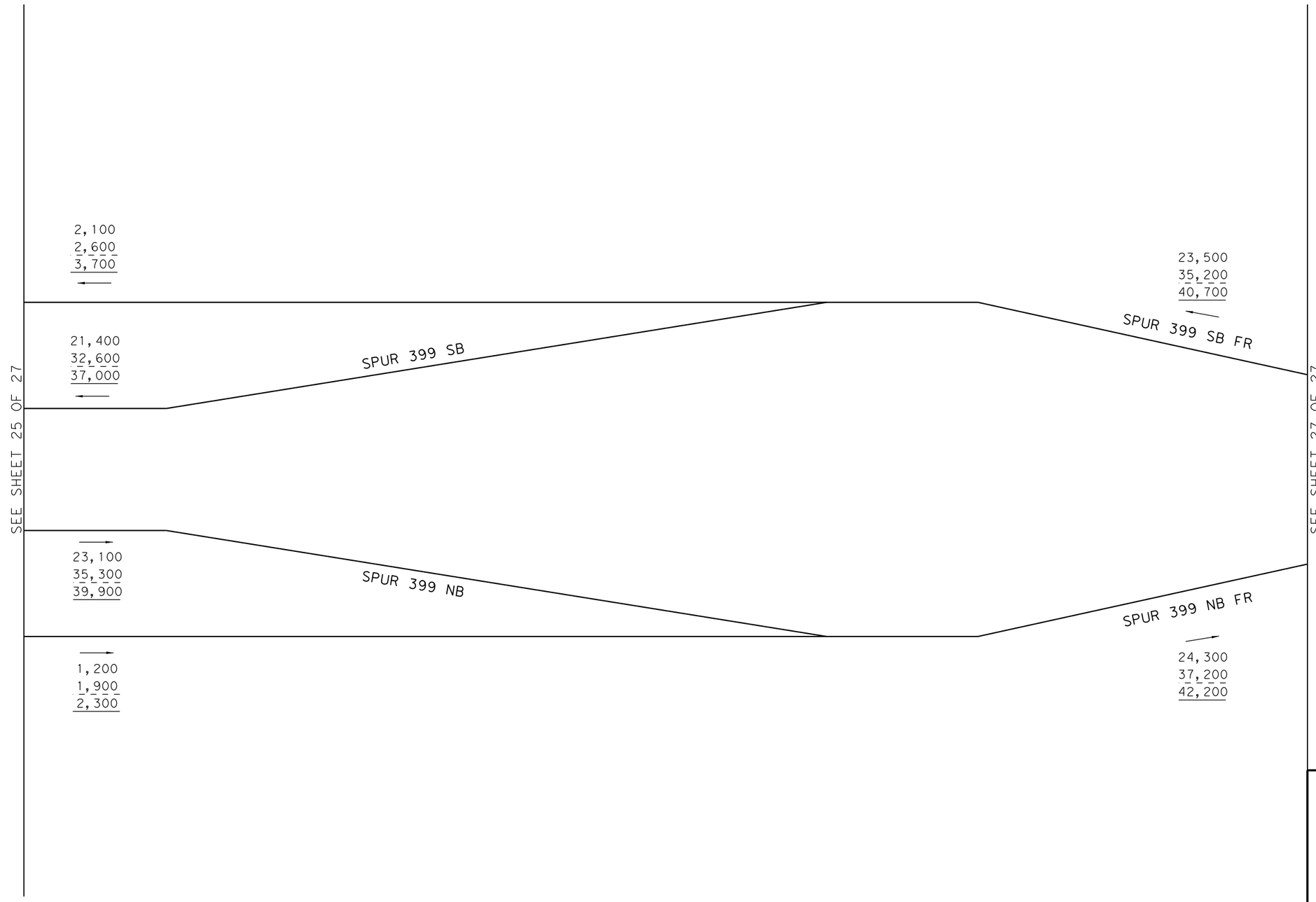

NOT TO SCALE

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
EAST OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 26 OF 27

DATE:7/12/2021
FILE:SPUR399_EAST_TRF_26.dgn

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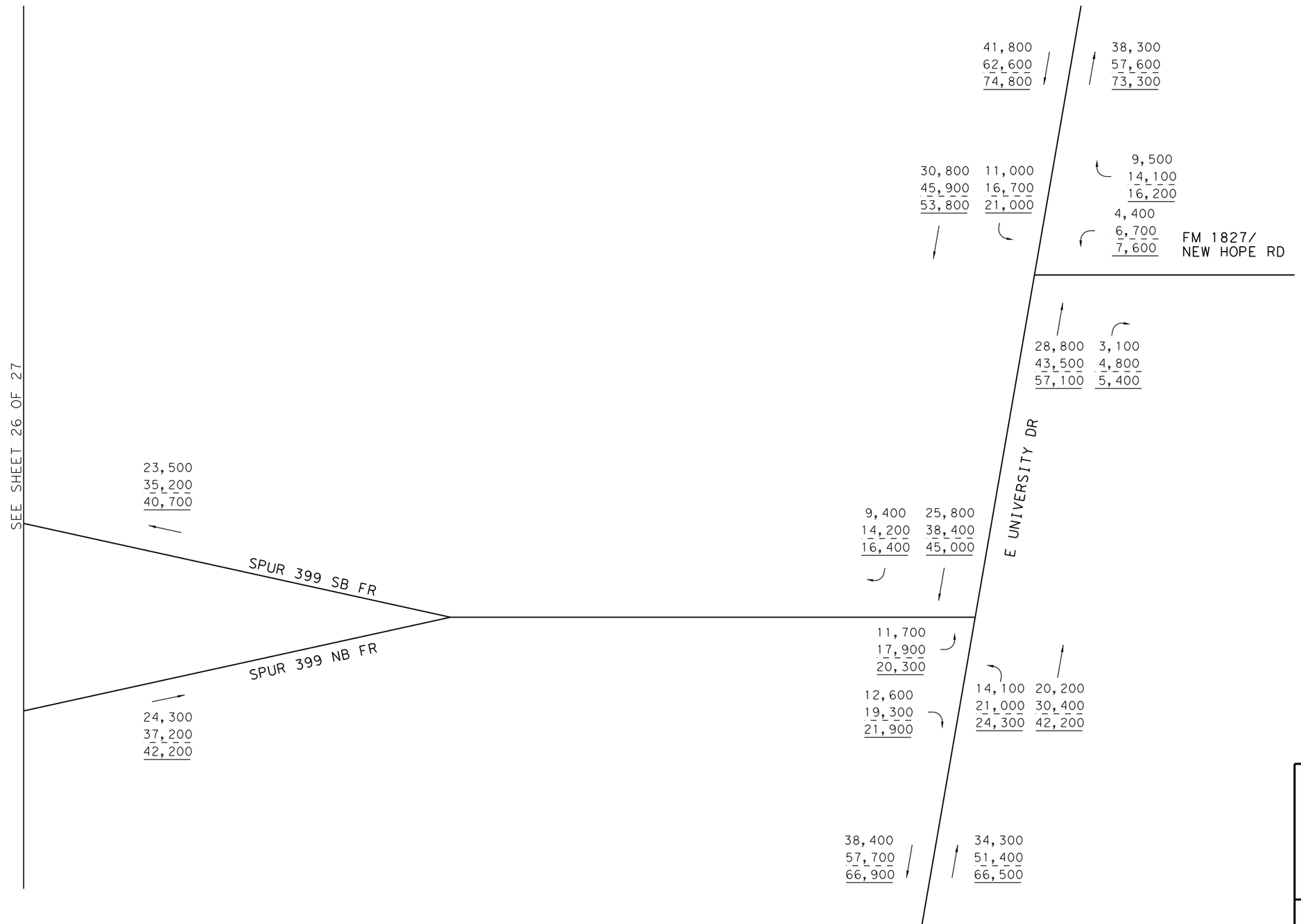

NOT TO SCALE

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND
E UNIVERSITY DR
AVERAGE DAILY TRAFFIC
EAST OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 27 OF 27

DATE: 7/19/2021
FILE: SPUR399_EAST_TRF_27.dgn

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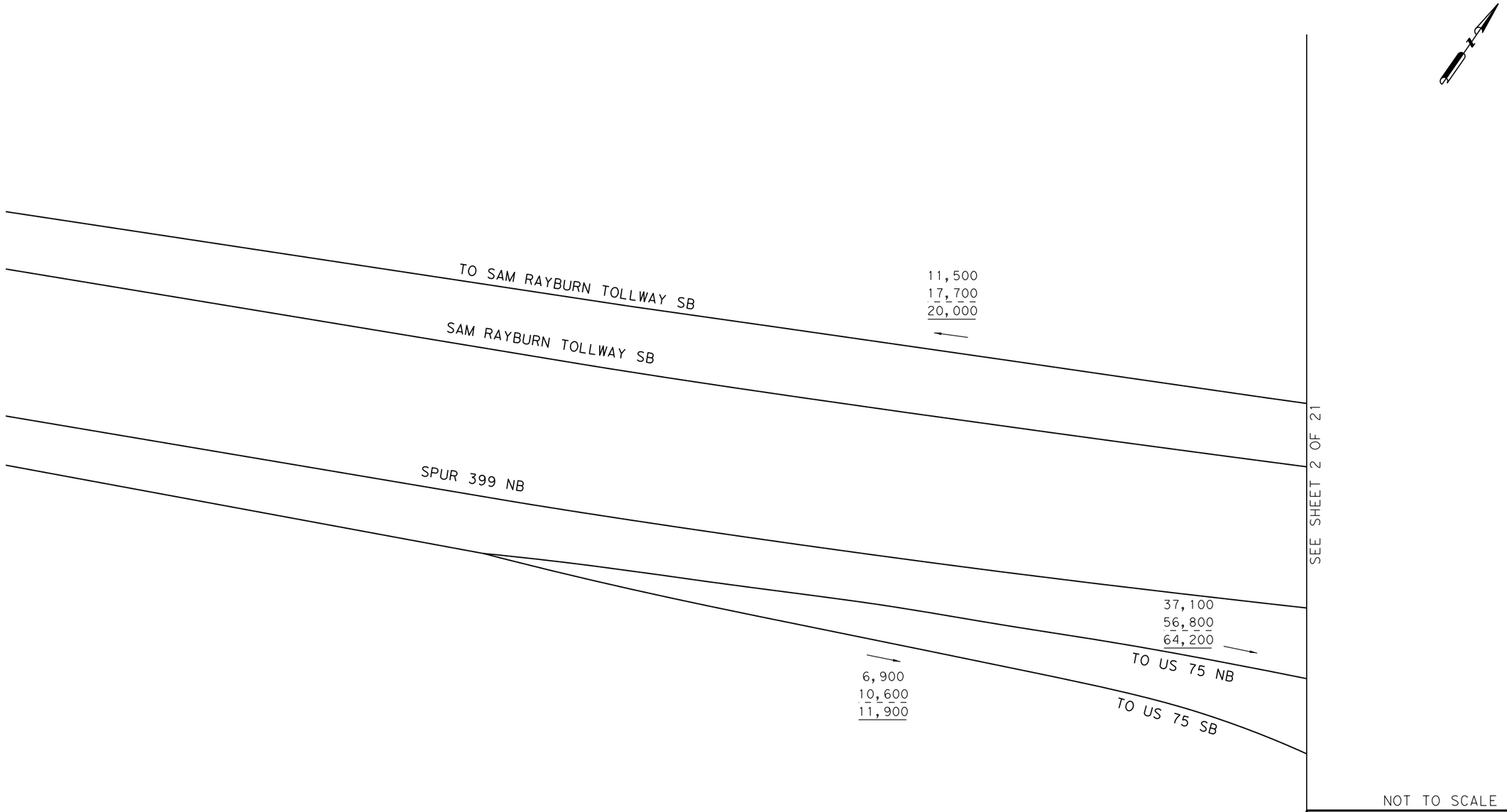

NOT TO SCALE

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOTE:
ALL EXISTING RAMPS AND FRONTAGE ROAD SECTIONS ARE NOT SHOWN.
IMPACTED RAMPS AND FRONTAGE ROAD SECTIONS ARE SHOWN WITH VOLUMES.

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
WEST 1 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 1 OF 21

DATE:8/11/2021
FILE:SPUR399_WEST_1_TRF_01.dgn

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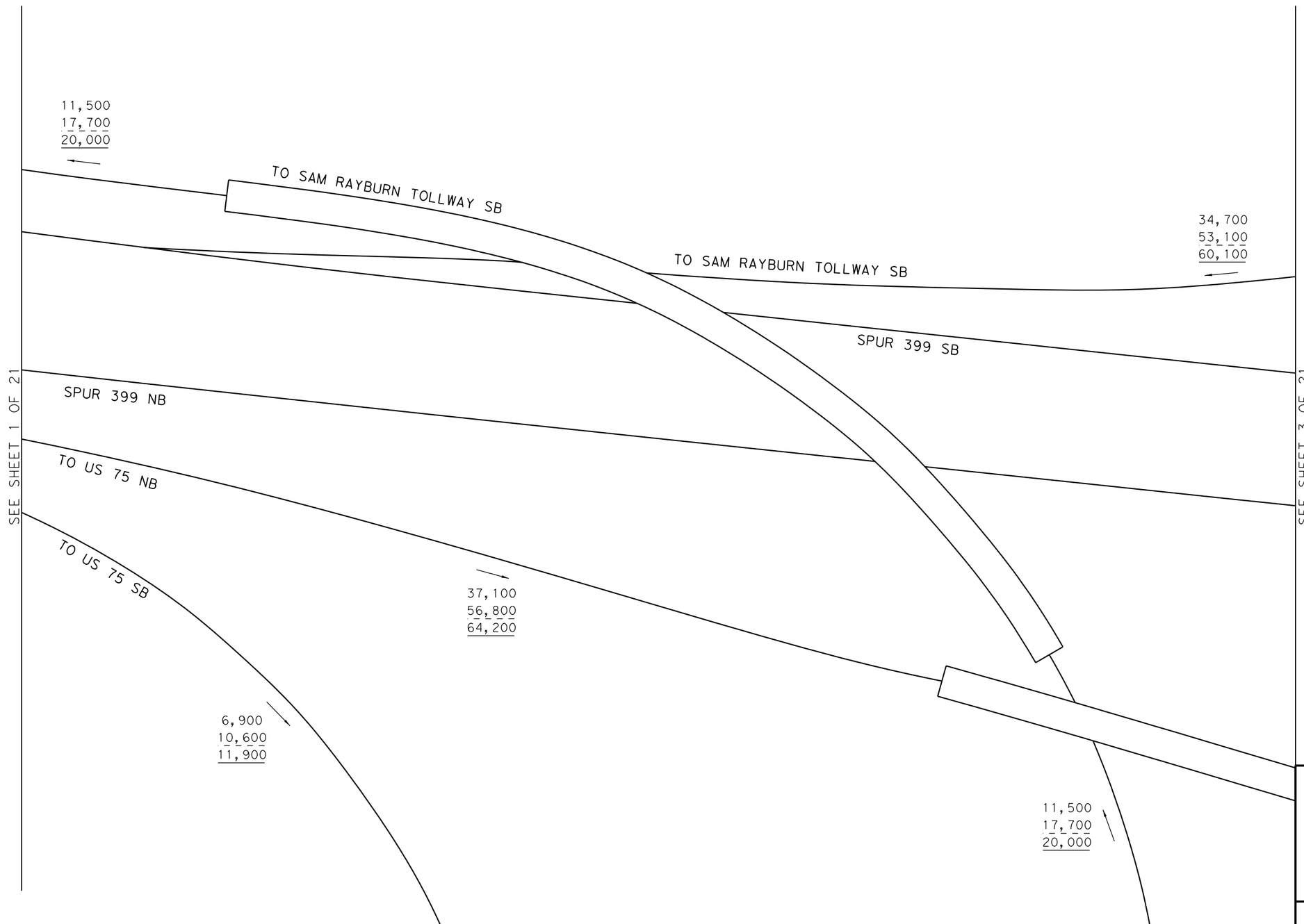

NOT TO SCALE

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOTE:
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IMPACTED RAMPS AND FRONTAGE ROAD SECTIONS ARE SHOWN WITH VOLUMES.

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
WEST 1 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 2 OF 21

DATE:8/11/2021
FILE:SPUR399_WEST_1_TRF_02.dgn

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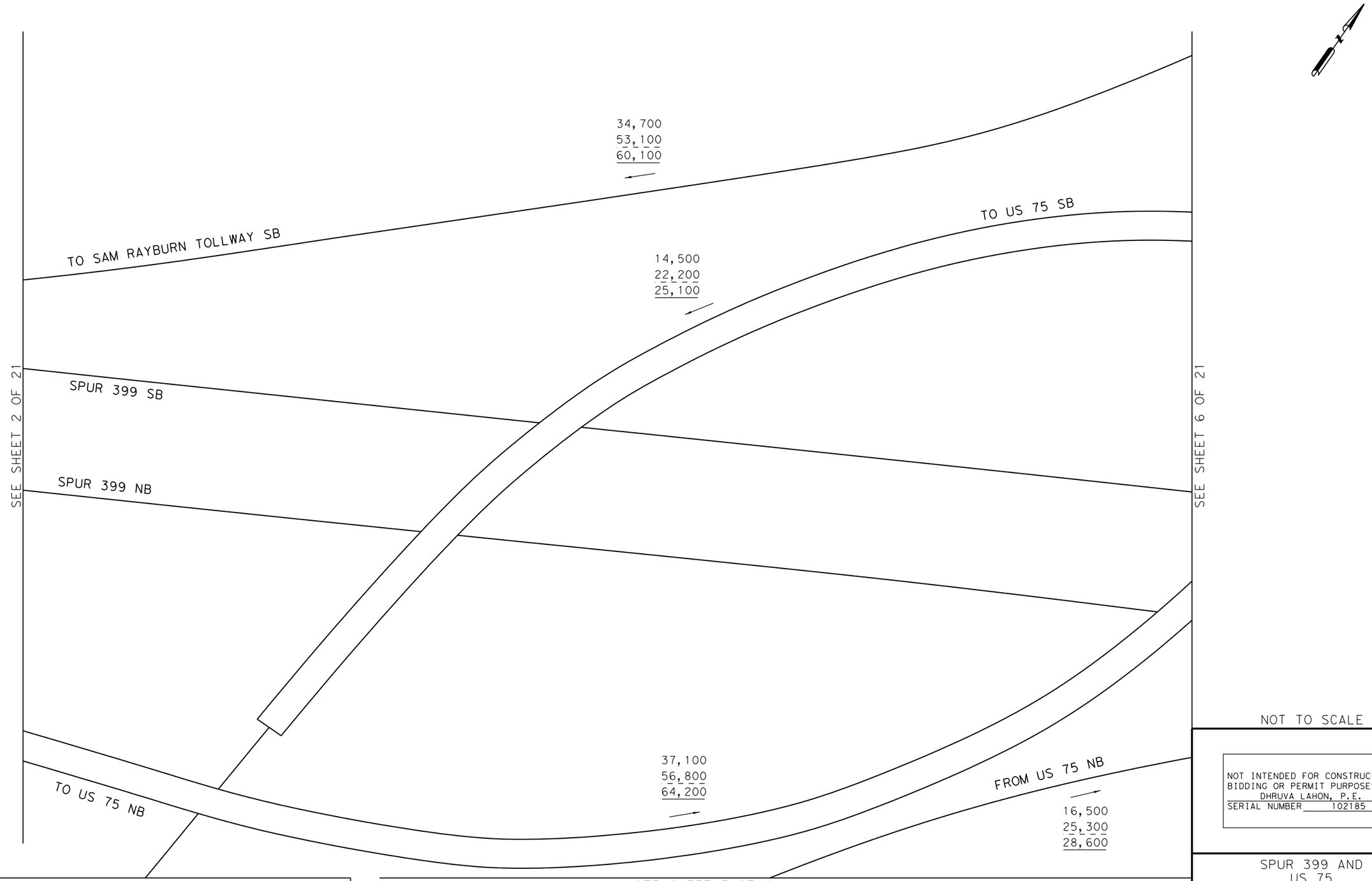

NOT TO SCALE

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOTE:
ALL EXISTING RAMPS AND FRONTAGE ROAD SECTIONS ARE NOT SHOWN.
IMPACTED RAMPS AND FRONTAGE ROAD SECTIONS ARE SHOWN WITH VOLUMES.

SPUR 399 AND
US 75
AVERAGE DAILY TRAFFIC
WEST 1 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051

DATE: 8/11/2021
FILE: SPUR399_WEST_1_TRF_03.dgn

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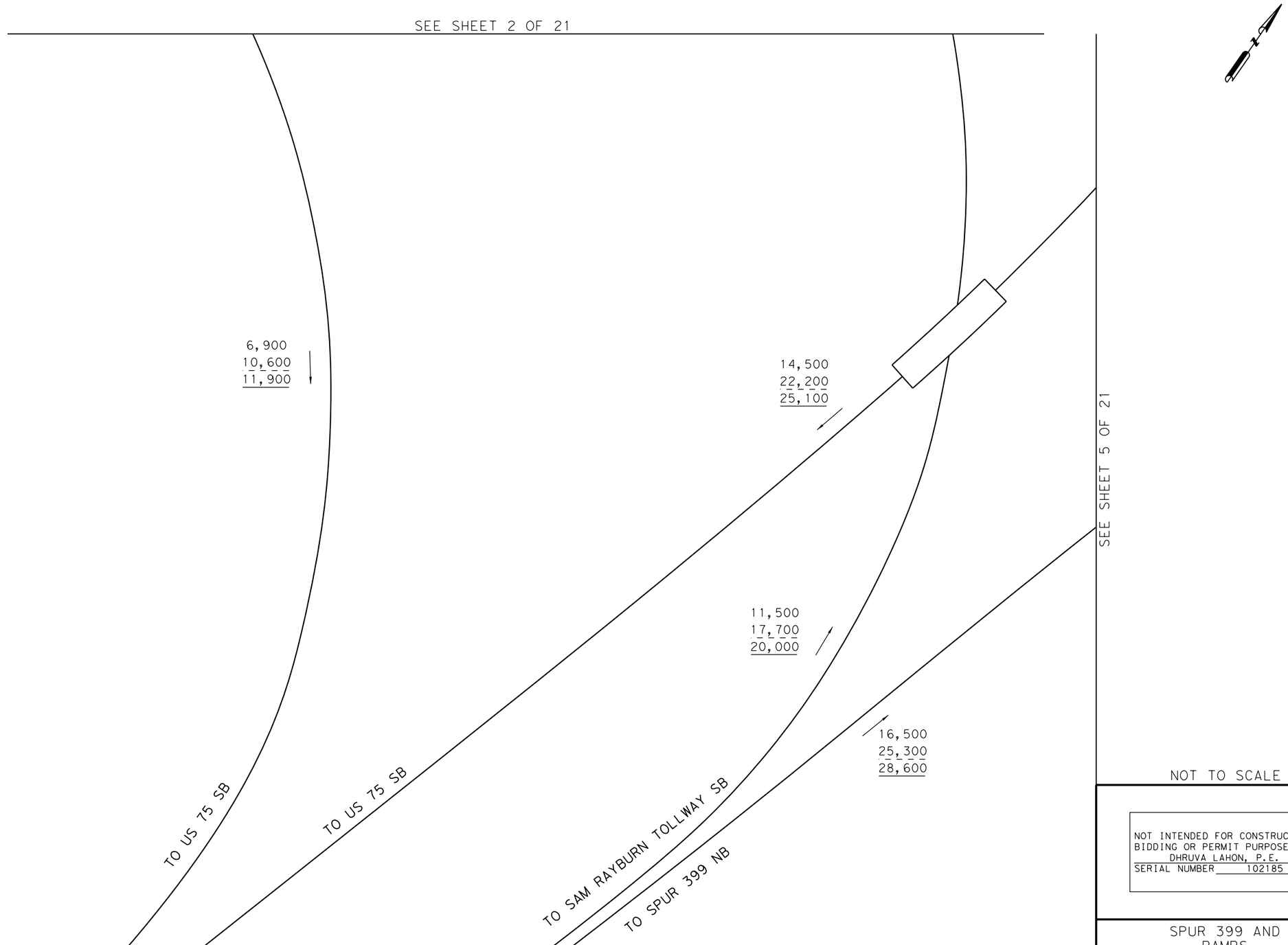

NOT TO SCALE

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOTE:
ALL EXISTING RAMPS AND FRONTAGE ROAD SECTIONS ARE NOT SHOWN.
IMPACTED RAMPS AND FRONTAGE ROAD SECTIONS ARE SHOWN WITH VOLUMES.

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
WEST 1 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 4 OF 21

DATE:8/11/2021
FILE:SPUR399_WEST_1_TRF_04.dgn

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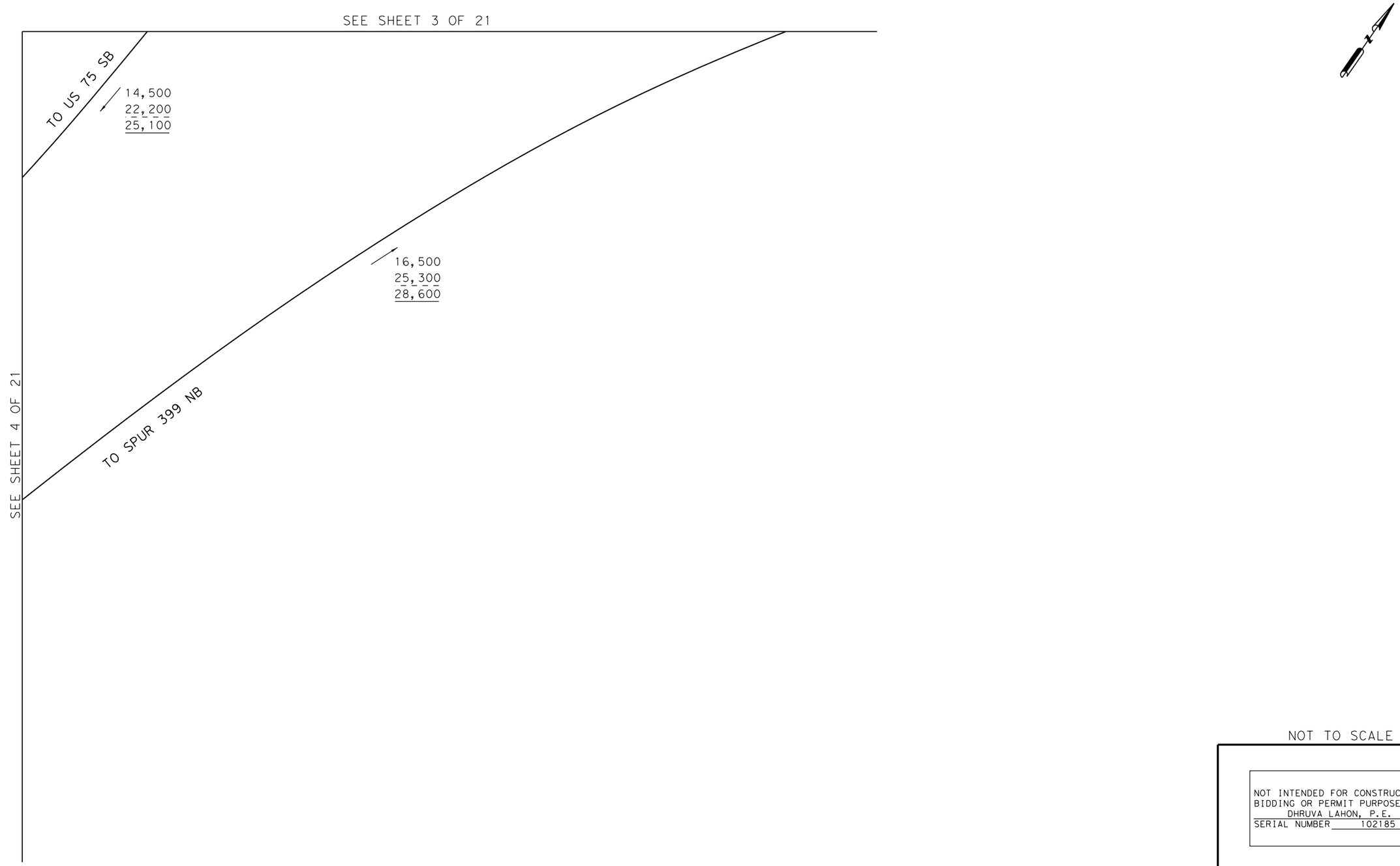

NOT TO SCALE

LEGEND
XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOTE:
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IMPACTED RAMPS AND FRONTAGE ROAD SECTIONS ARE SHOWN WITH VOLUMES.

NOT INTENDED FOR CONSTRUCTION,
BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND
RAMPS
AVERAGE DAILY TRAFFIC
WEST 1 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 5 OF 21

DATE:8/11/2021
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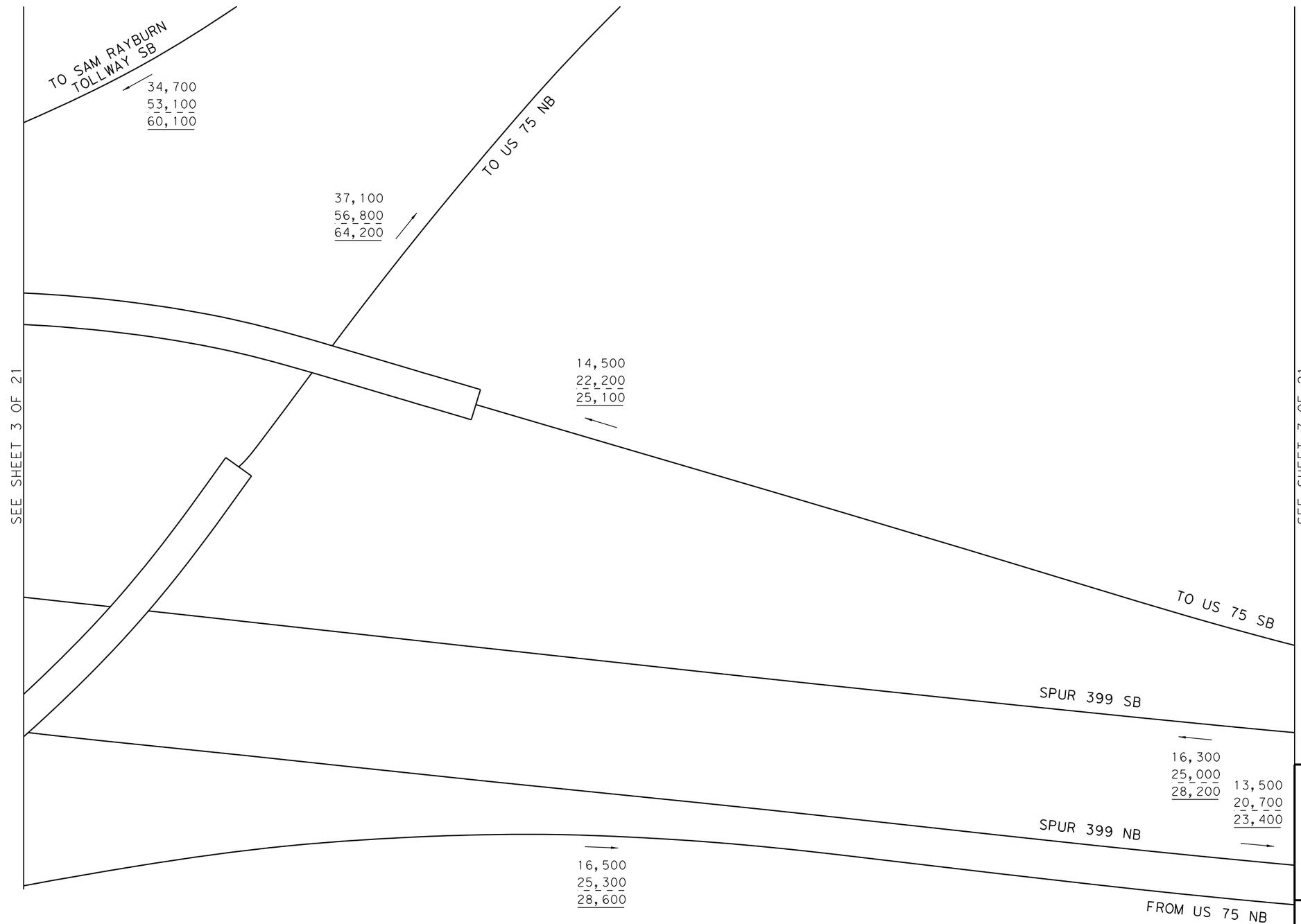

NOT TO SCALE

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOTE:
BEGIN STUDY LIMITS.
ALL EXISTING RAMPS AND FRONTAGE ROAD SECTIONS ARE NOT SHOWN.
IMPACTED RAMPS AND FRONTAGE ROAD SECTIONS ARE SHOWN WITH VOLUMES.

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
WEST 1 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051

DATE:8/11/2021
FILE:SPUR399_WEST_1_TRF_06.dgn

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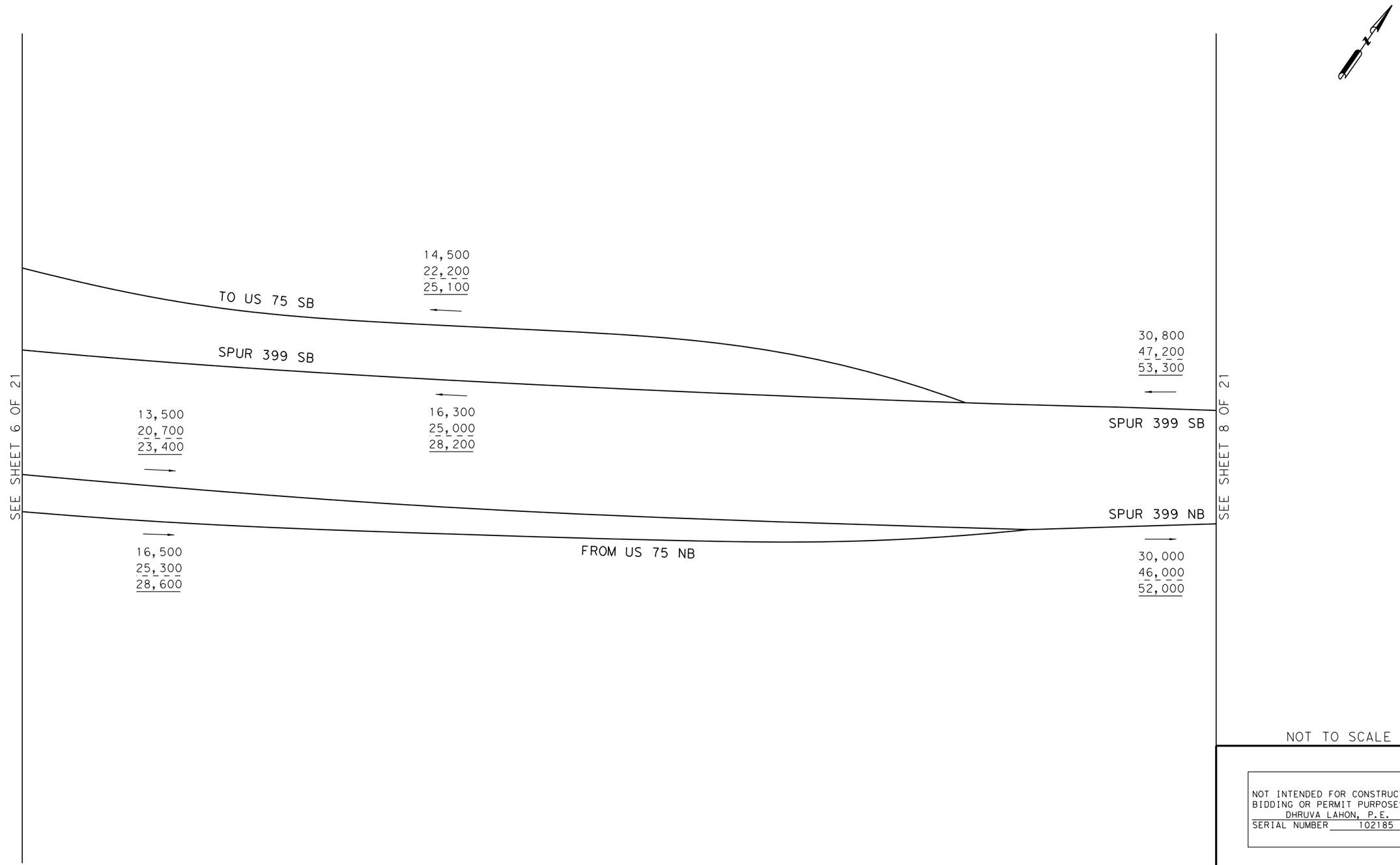

NOT TO SCALE

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOTE:
ALL EXISTING RAMPS AND FRONTAGE ROAD SECTIONS ARE NOT SHOWN.
IMPACTED RAMPS AND FRONTAGE ROAD SECTIONS ARE SHOWN WITH VOLUMES.

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
WEST 1 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051

DATE:8/11/2021
FILE:SPUR399_WEST_1_TRF_07.dgn

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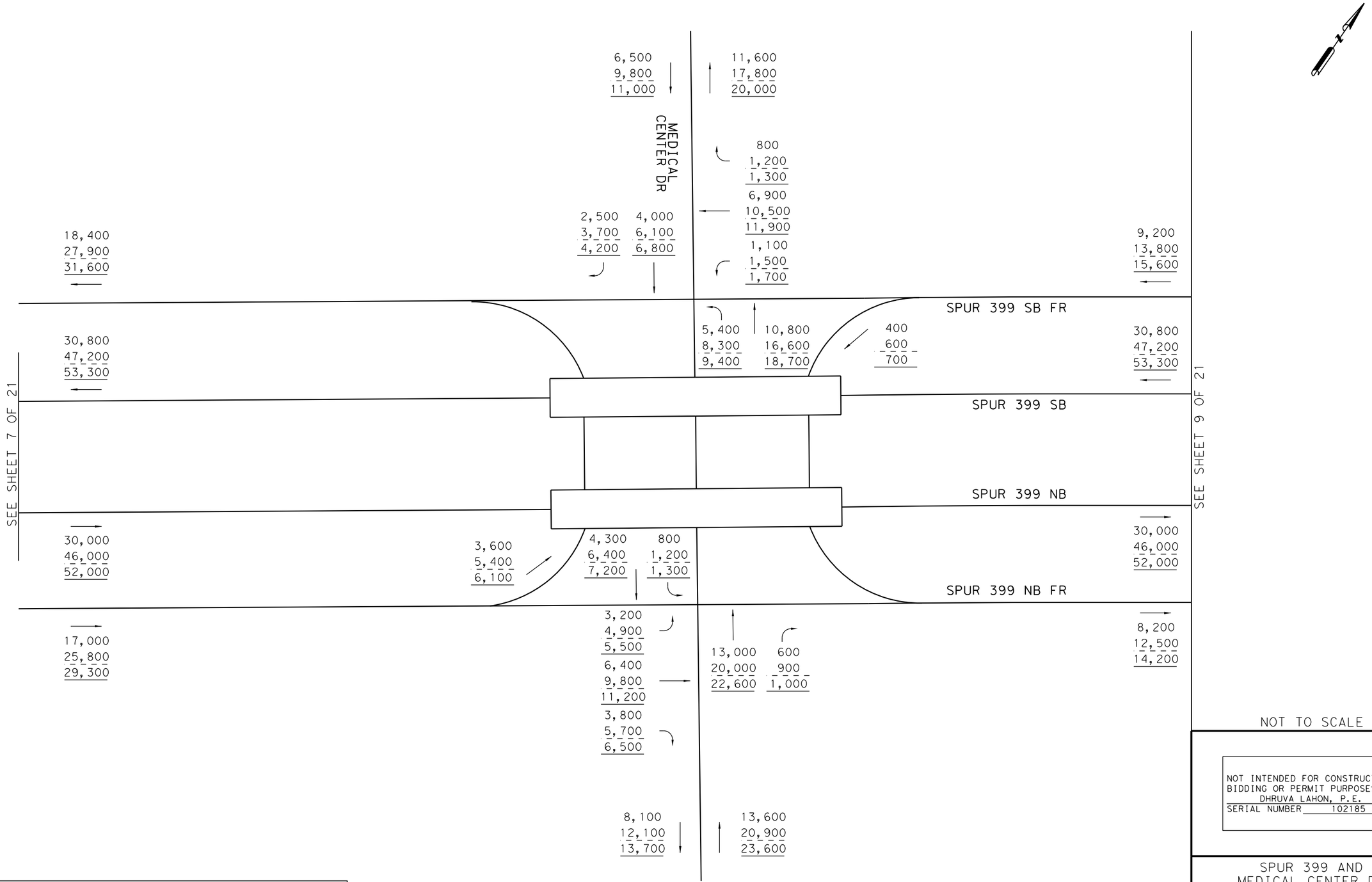

NOT TO SCALE

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND
MEDICAL CENTER DR
AVERAGE DAILY TRAFFIC
WEST 1 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051

DATE:7/12/2021
FILE:SPUR399_WEST_1_TRF_08.dgn

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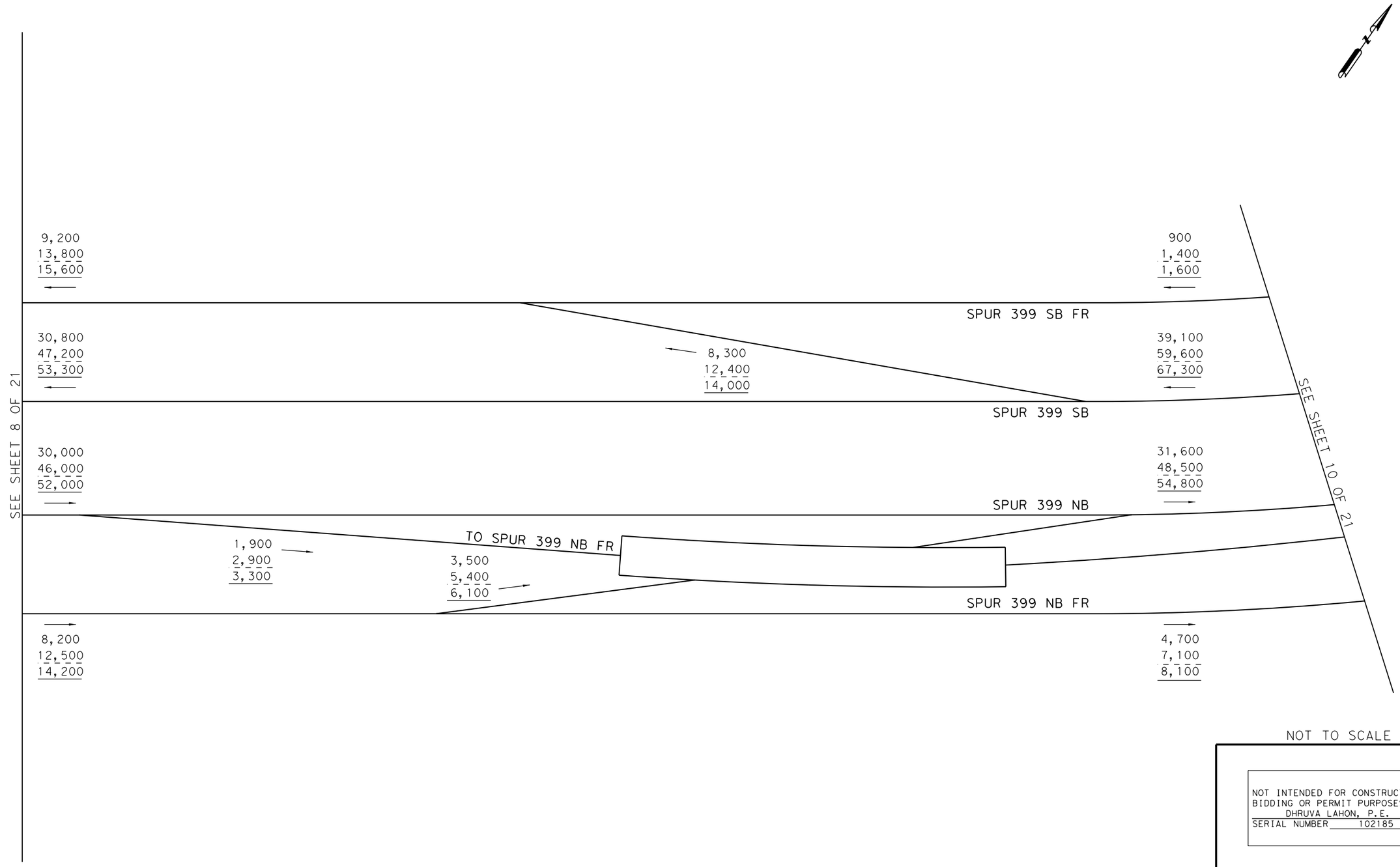

NOT TO SCALE

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
WEST 1 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051

SHEET 9 OF 21

DATE:7/12/2021
FILE:SPUR399_WEST_1_TRF_09.dgn

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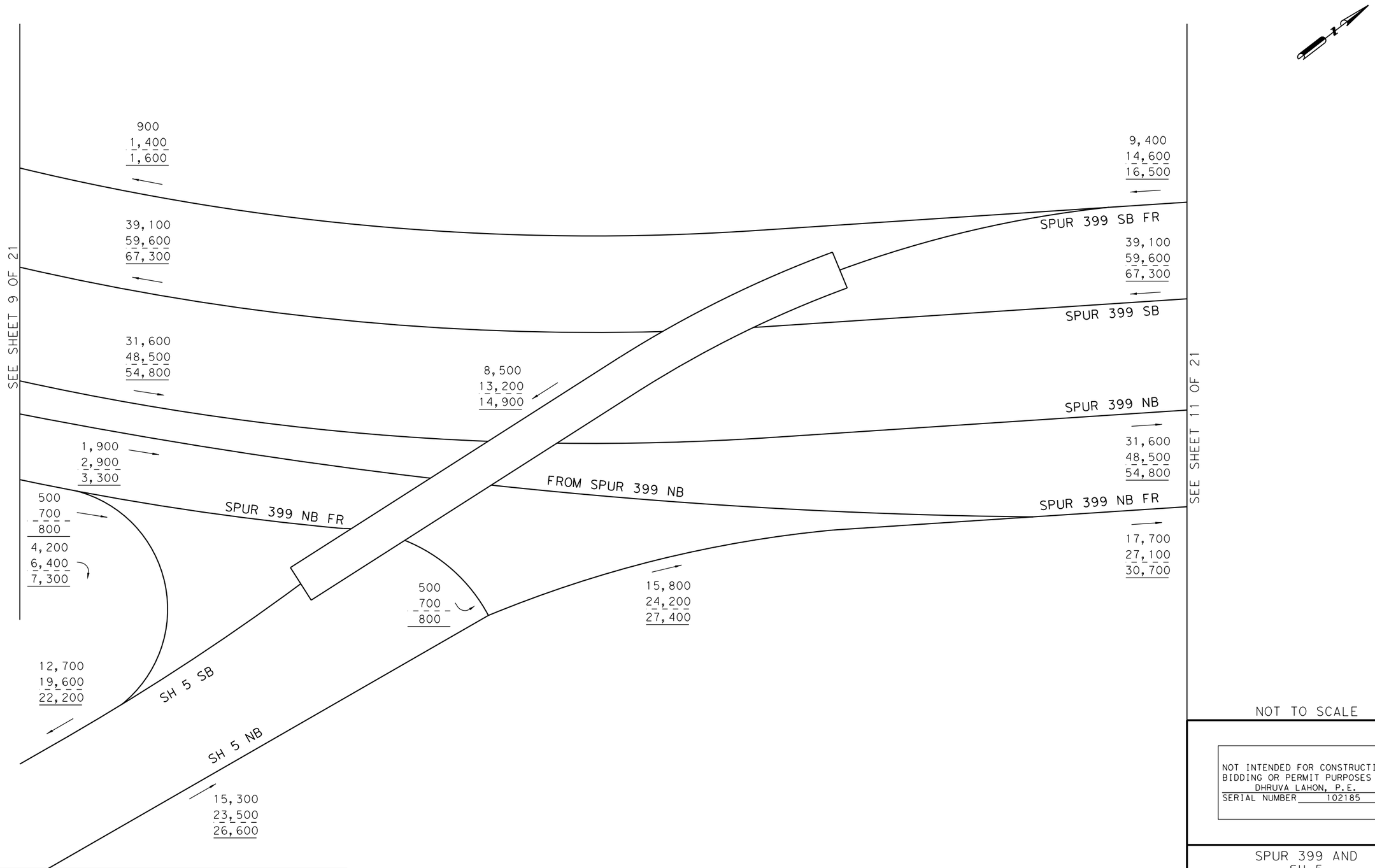

NOT TO SCALE

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND
SH 5
AVERAGE DAILY TRAFFIC
WEST 1 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 10 OF 21

DATE: 7/12/2021
FILE: SPUR399_WEST_1_TRF_10.dgn

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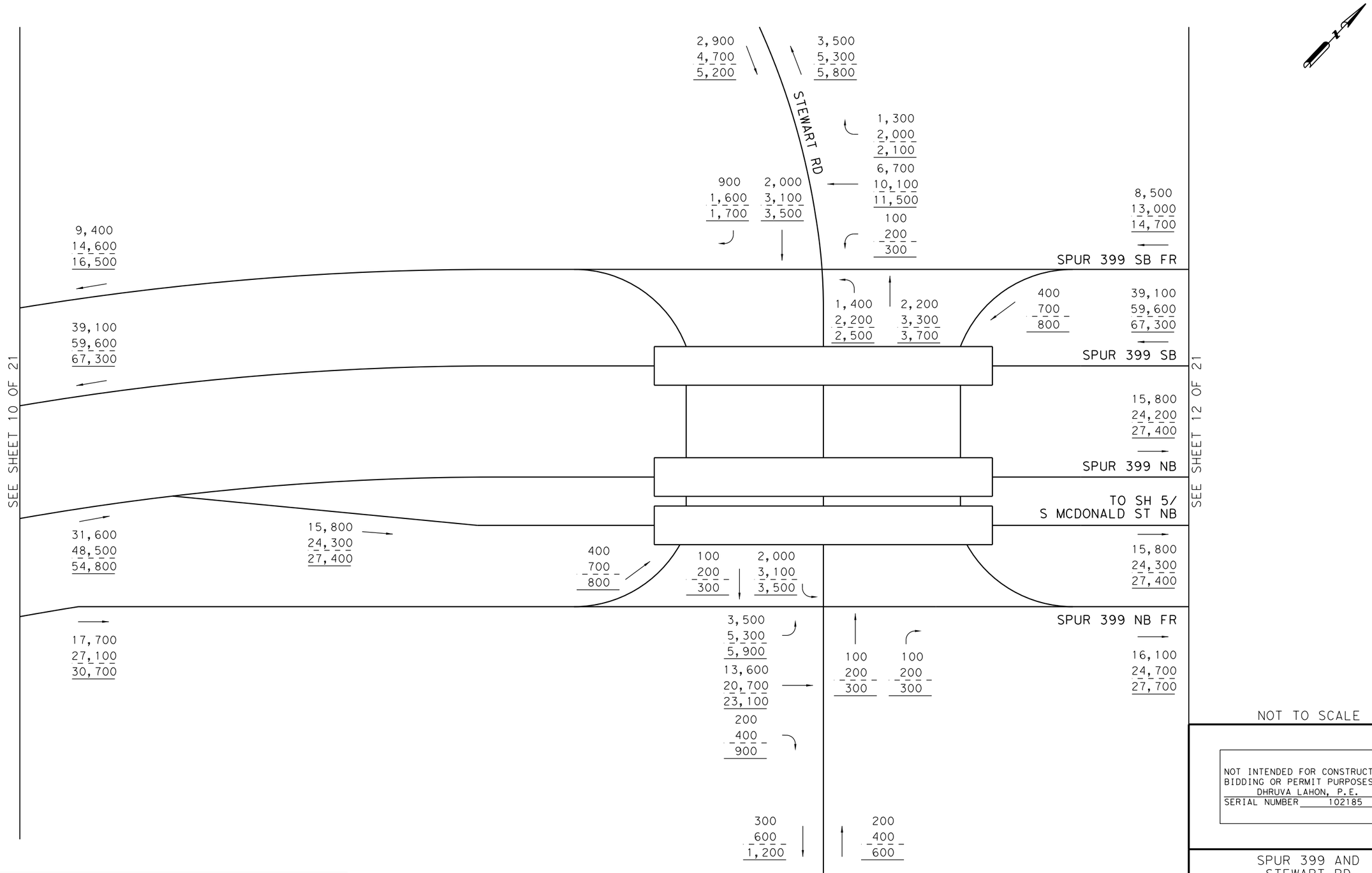

NOT TO SCALE

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND
STEWART RD
AVERAGE DAILY TRAFFIC
WEST 1 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 11 OF 21

DATE:7/12/2021
FILE:SPUR399_WEST_1_TRF_11.dgn

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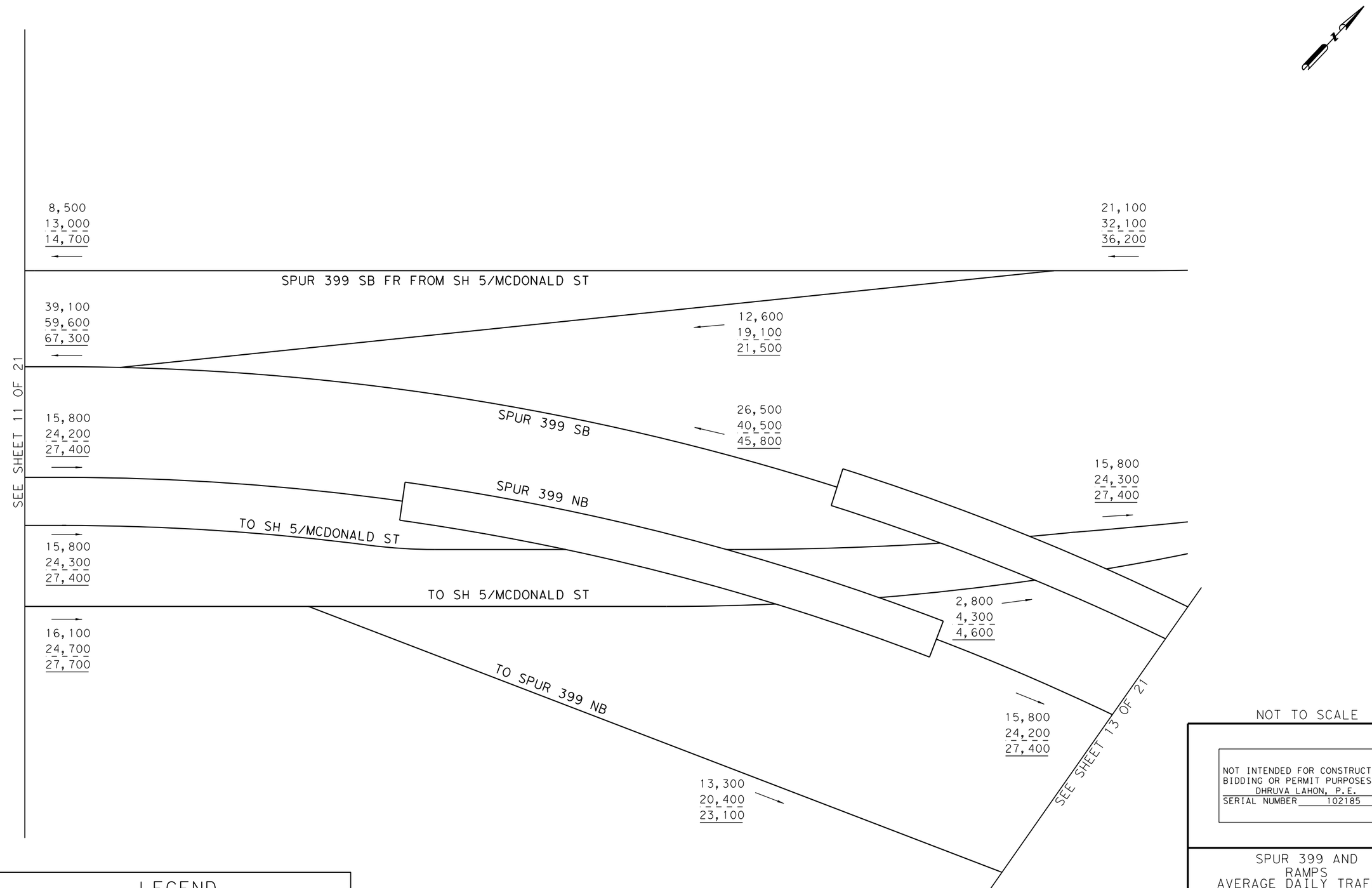

NOT TO SCALE

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
WEST 1 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 12 OF 21

DATE:7/12/2021
FILE:SPUR399_WEST_1_TRF_12.dgn

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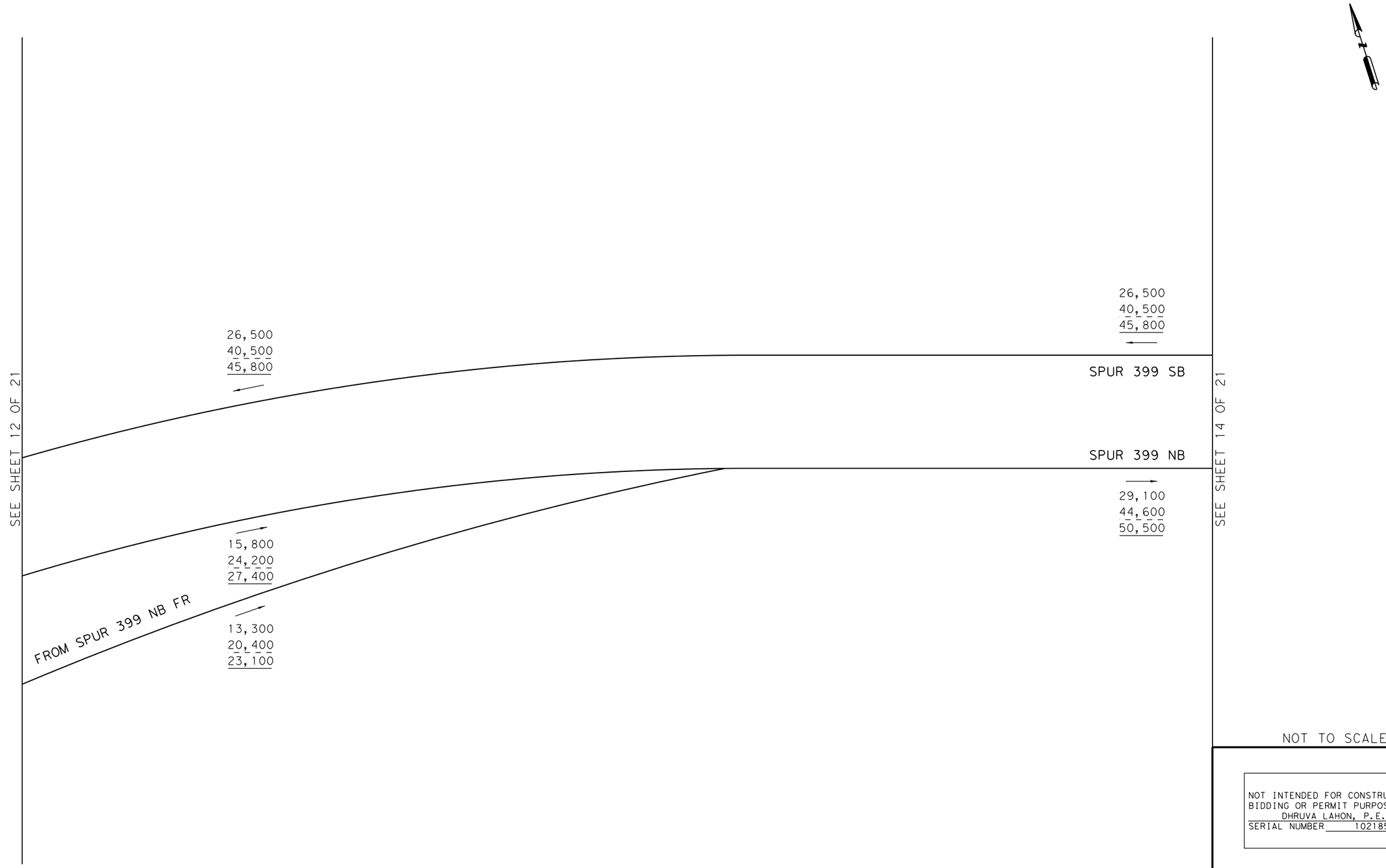

NOT TO SCALE

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
WEST 1 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 13 OF 21

DATE: 7/12/2021
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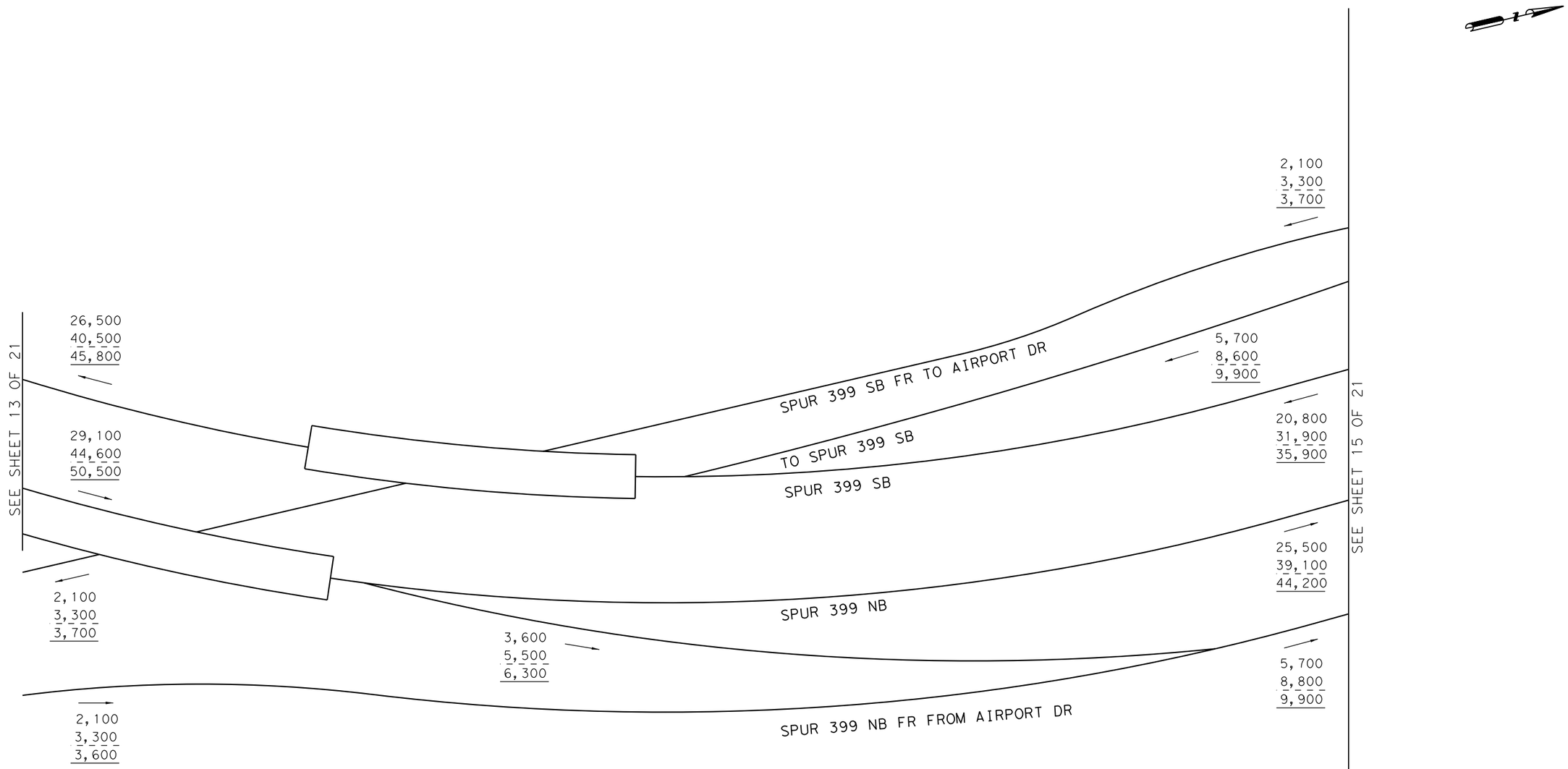

NOT TO SCALE

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
WEST 1 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 14 OF 21

DATE:7/12/2021
FILE:SPUR399_WEST_1_TRF_14.dgn

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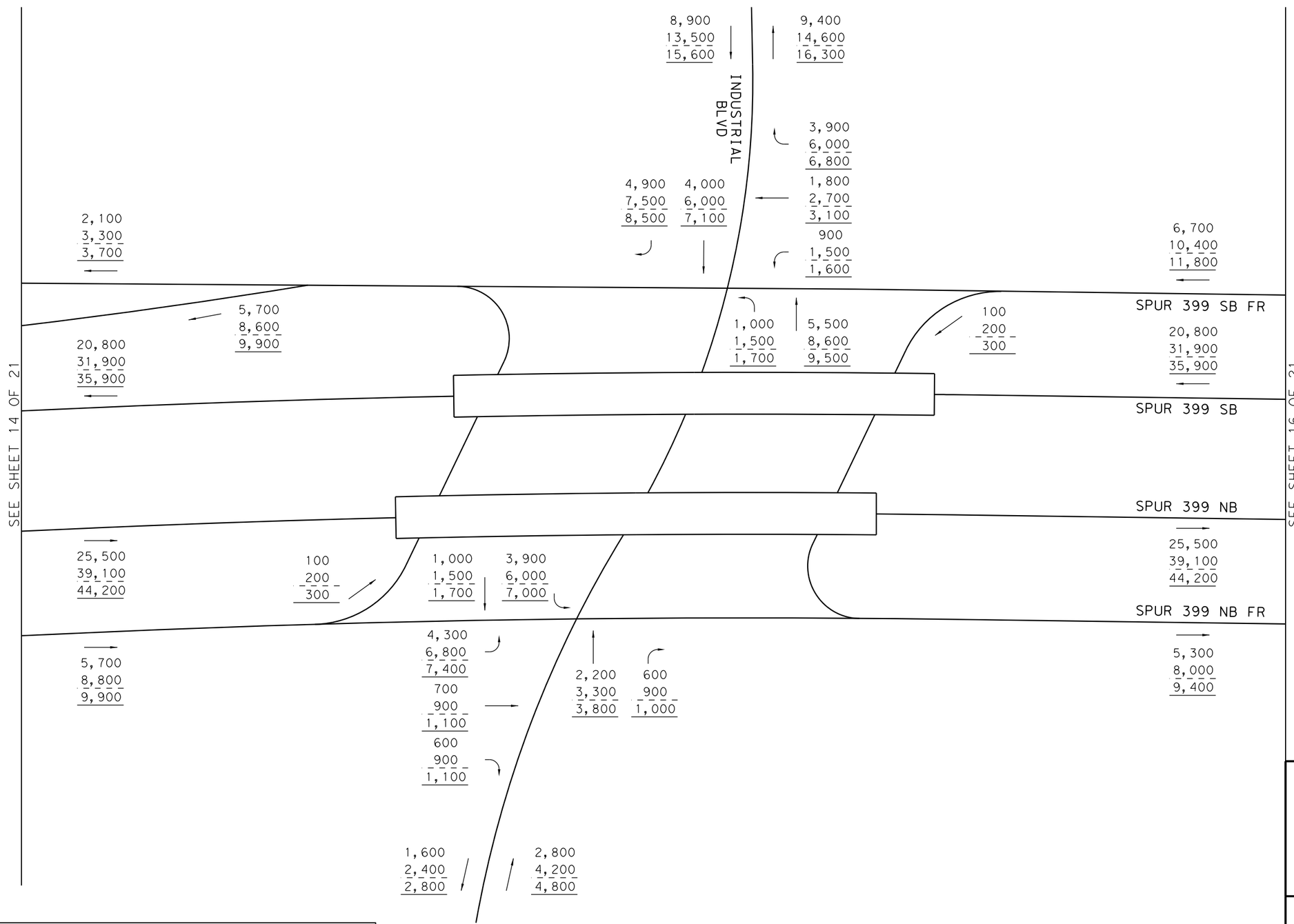

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOT TO SCALE

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND INDUSTRIAL BLVD AVERAGE DAILY TRAFFIC WEST 1 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 15 OF 21

DATE:7/12/2021
FILE:SPUR399_WEST_1_TRF_15.dgn

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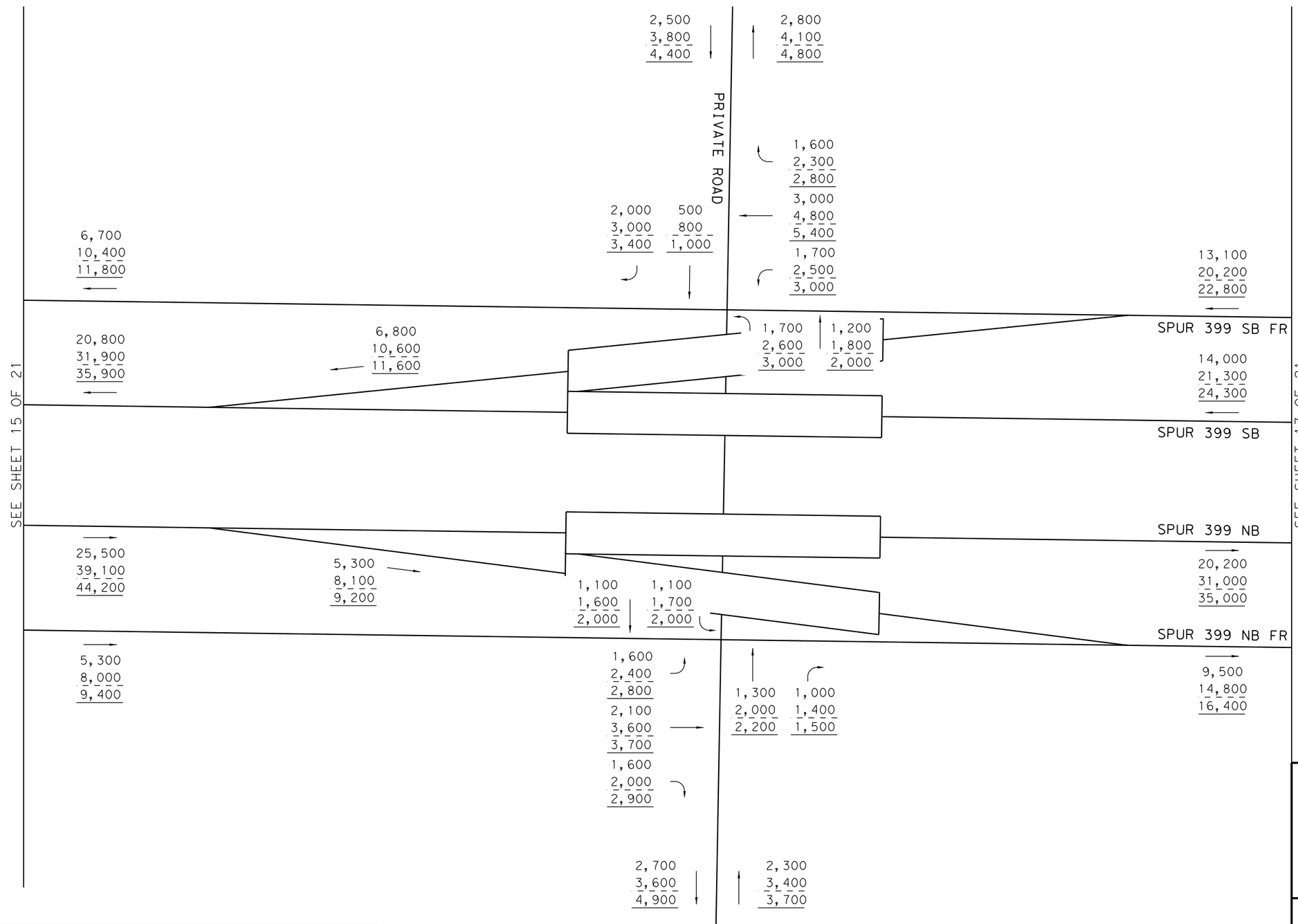

NOT TO SCALE

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND
PRIVATE ROAD
AVERAGE DAILY TRAFFIC
WEST 1 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 16 OF 21

DATE:7/12/2021
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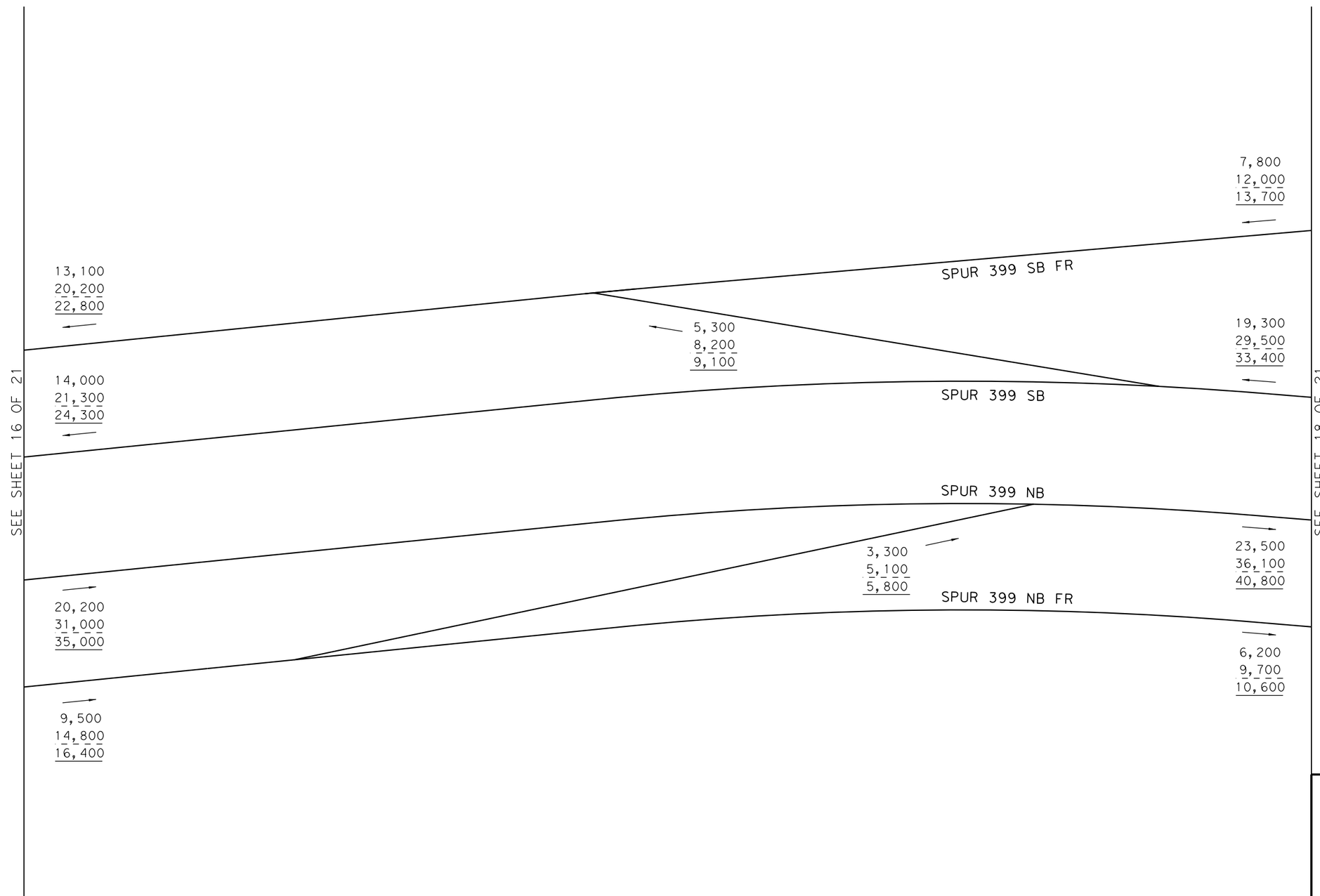

NOT TO SCALE

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
WEST 1 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 17 OF 21

DATE:7/12/2021
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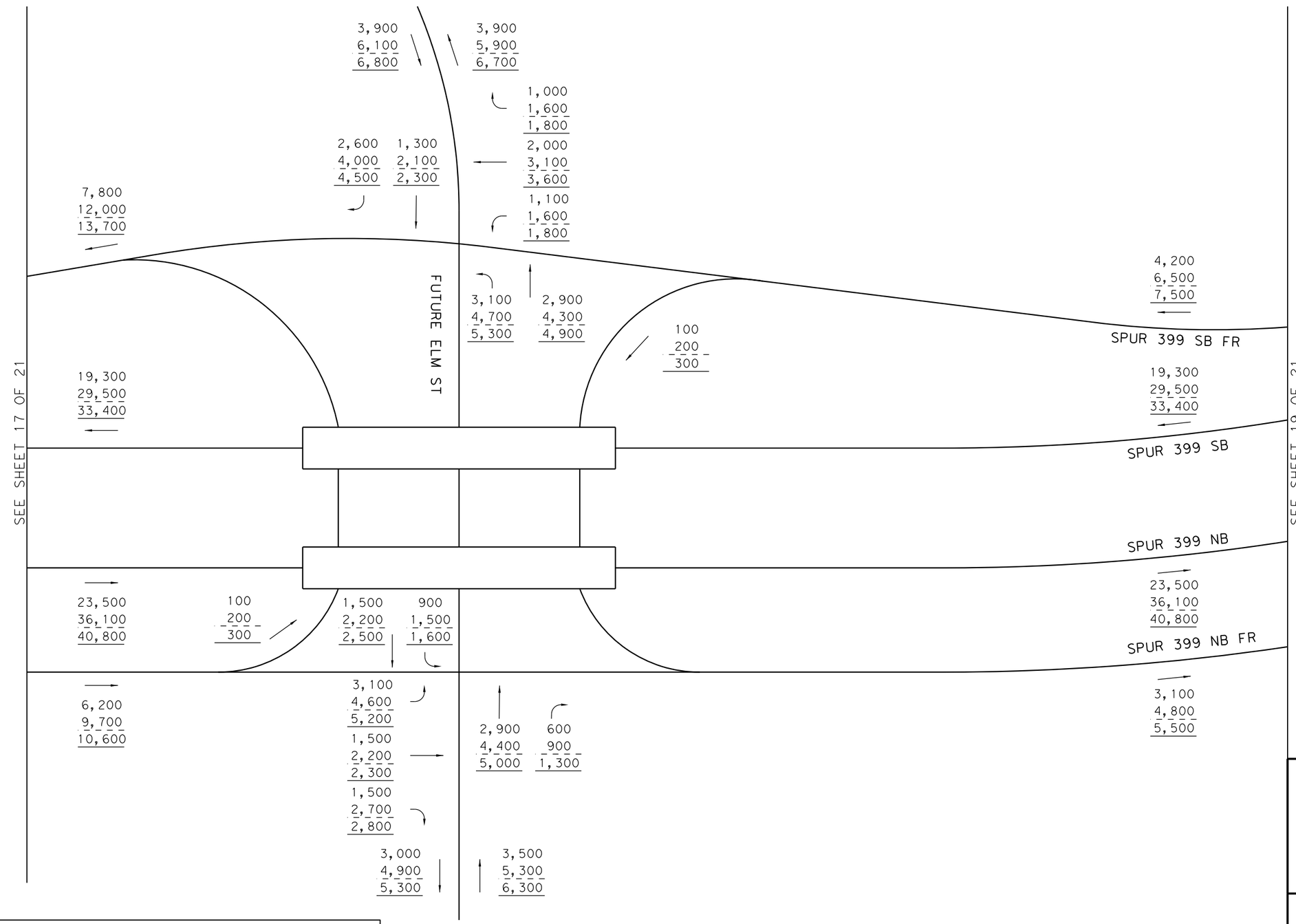

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOT TO SCALE

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND
FUTURE ELM ST
AVERAGE DAILY TRAFFIC
WEST 1 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 18 OF 21

DATE:7/12/2021
FILE:SPUR399_WEST_1_TRF_18.dgn

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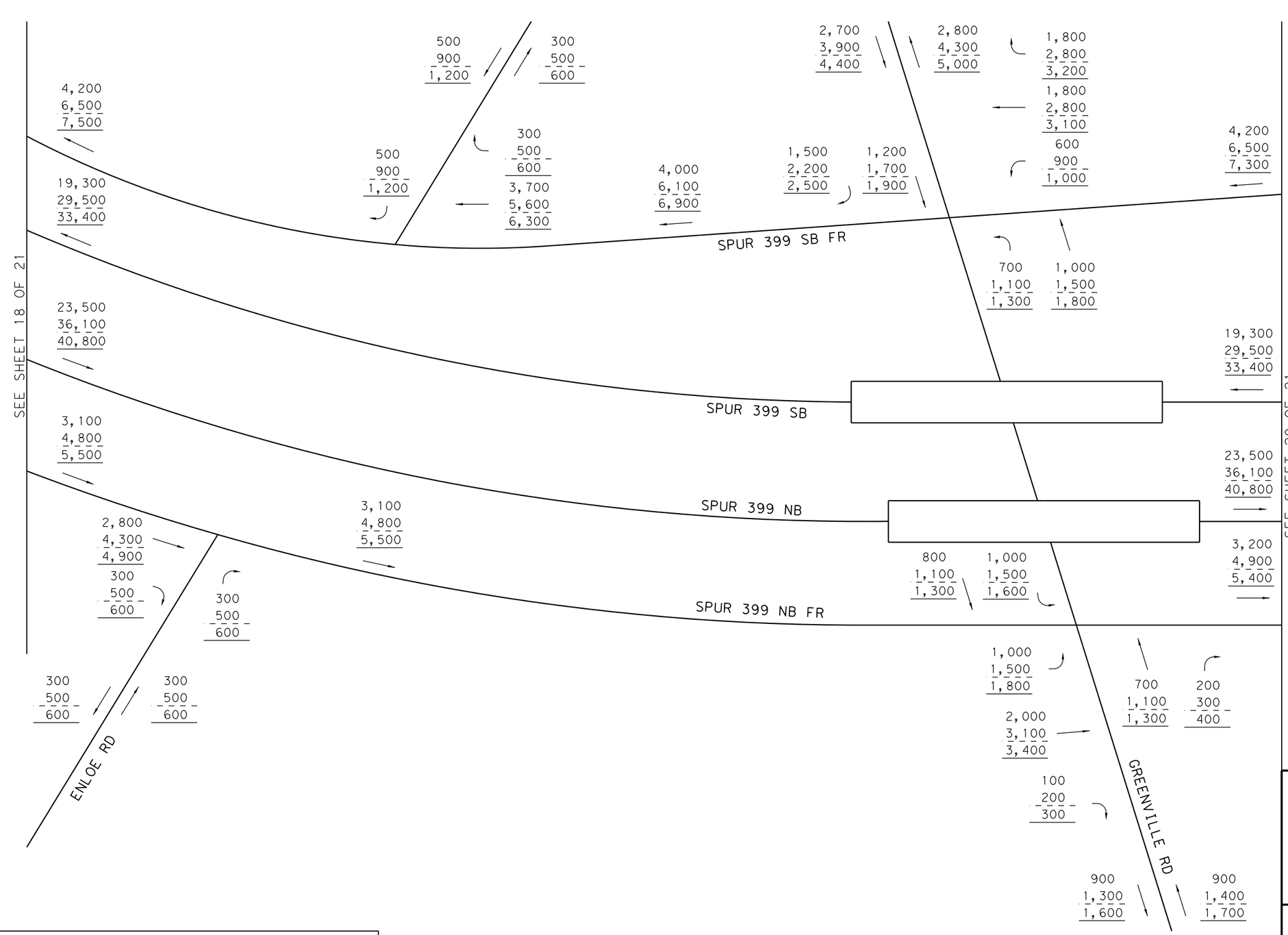

NOT TO SCALE

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND
GREENVILLE RD/ ENLOE RD
AVERAGE DAILY TRAFFIC
WEST 1 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 19 OF 21

DATE: 7/19/2021
FILE: SPUR399_WEST_1_TRF_19.dgn

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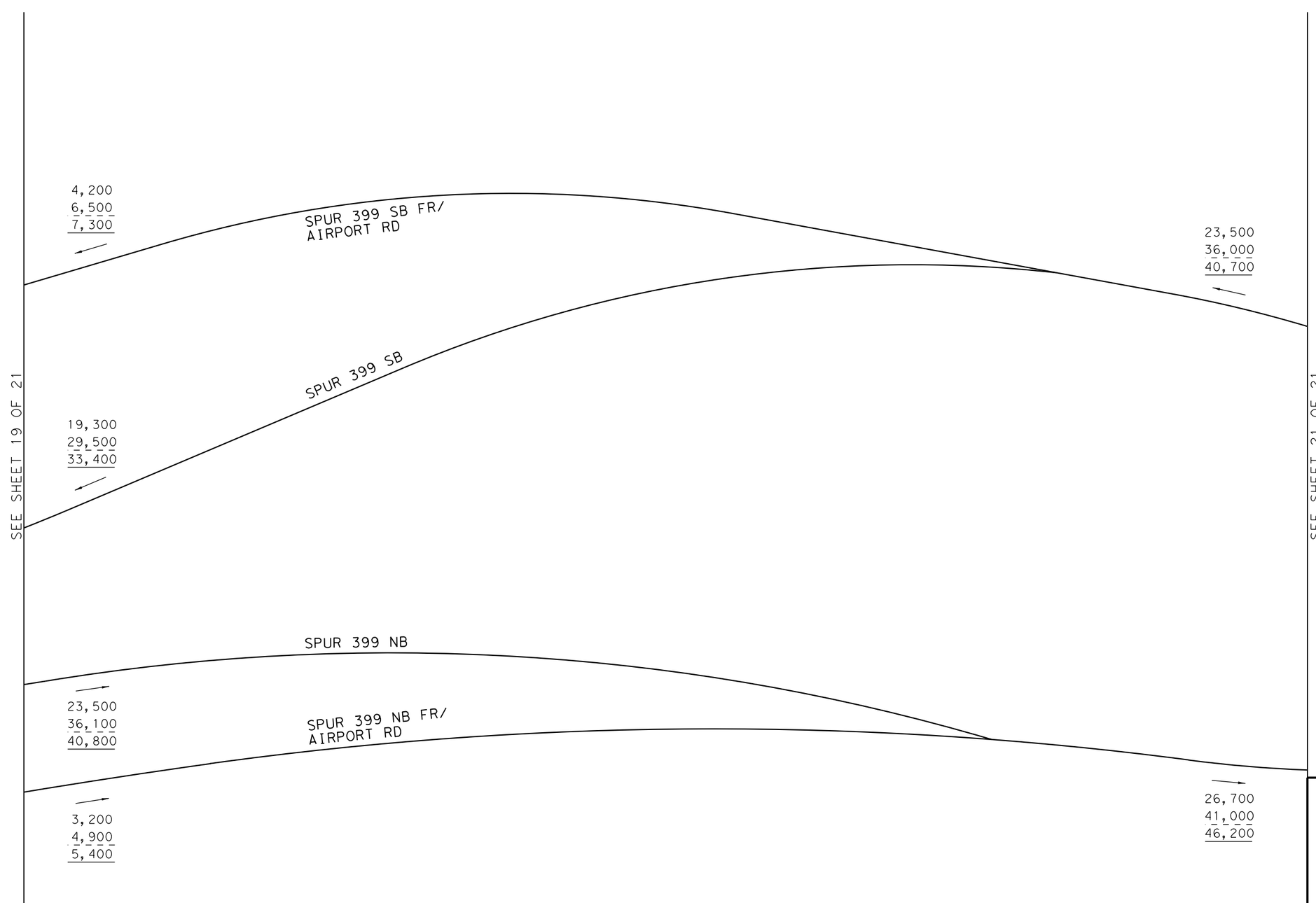

NOT TO SCALE

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOT INTENDED FOR CONSTRUCTION,
BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND
RAMPS
AVERAGE DAILY TRAFFIC
WEST 1 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 20 OF 21

DATE:7/12/2021
FILE:SPUR399_WEST_1_TRF_20.dgn

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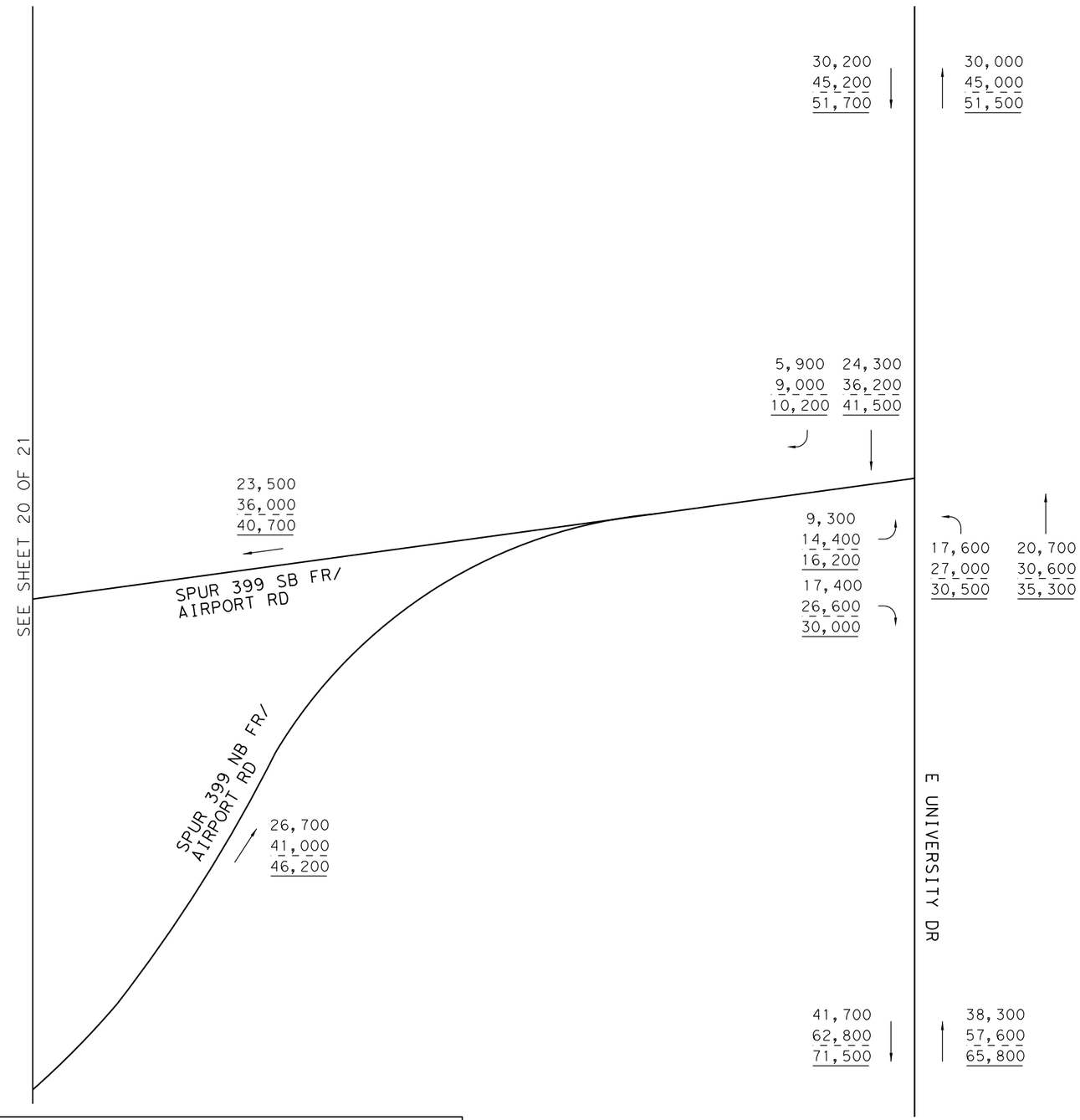

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOT TO SCALE

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND
E UNIVERSITY DR
AVERAGE DAILY TRAFFIC
WEST 1 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 21 OF 21

DATE:7/12/2021
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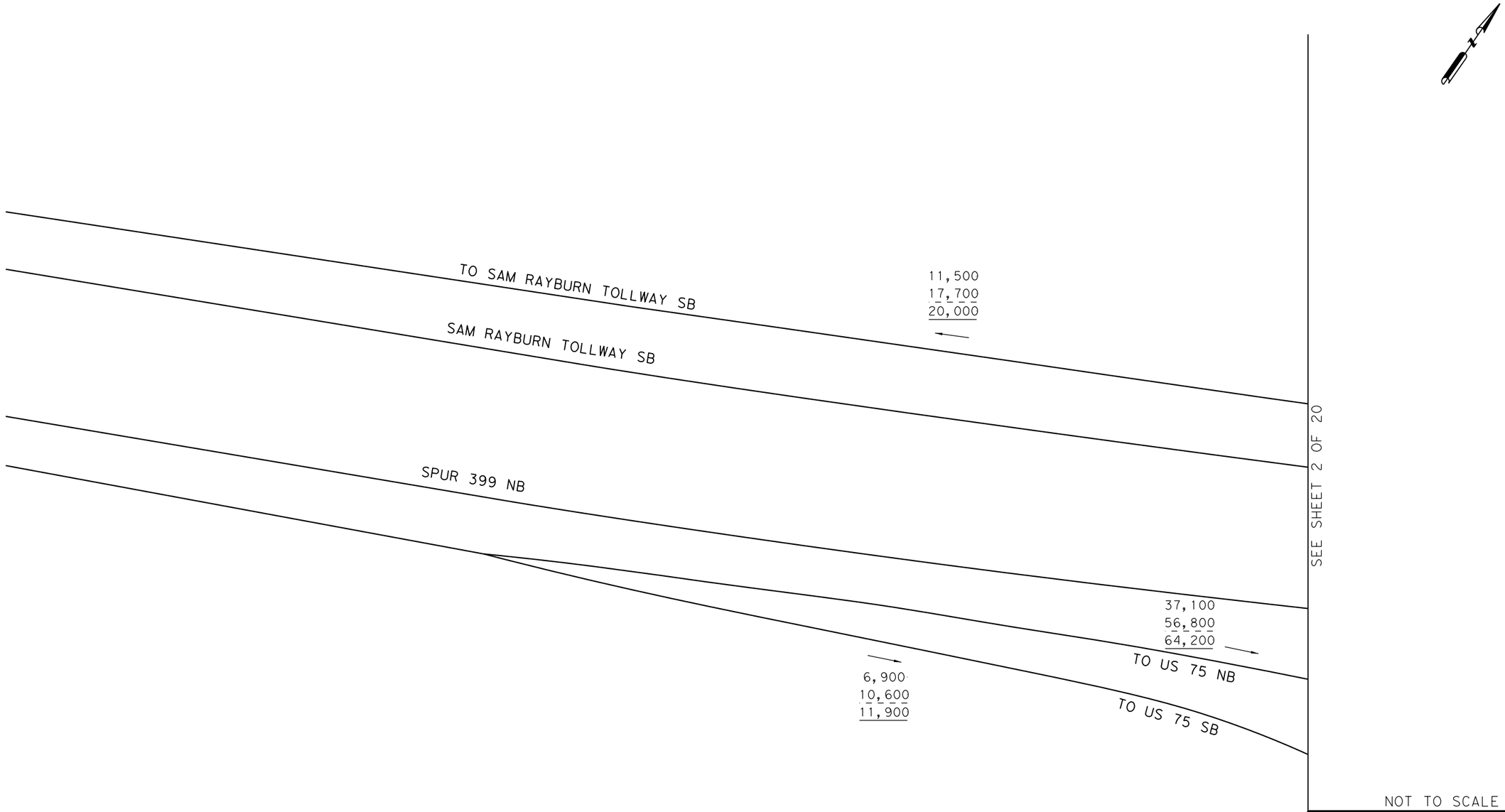

NOT TO SCALE

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
WEST 2 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 1 OF 20

DATE:5/13/2021
FILE:SPUR399_WEST_2_TRF_01.dgn

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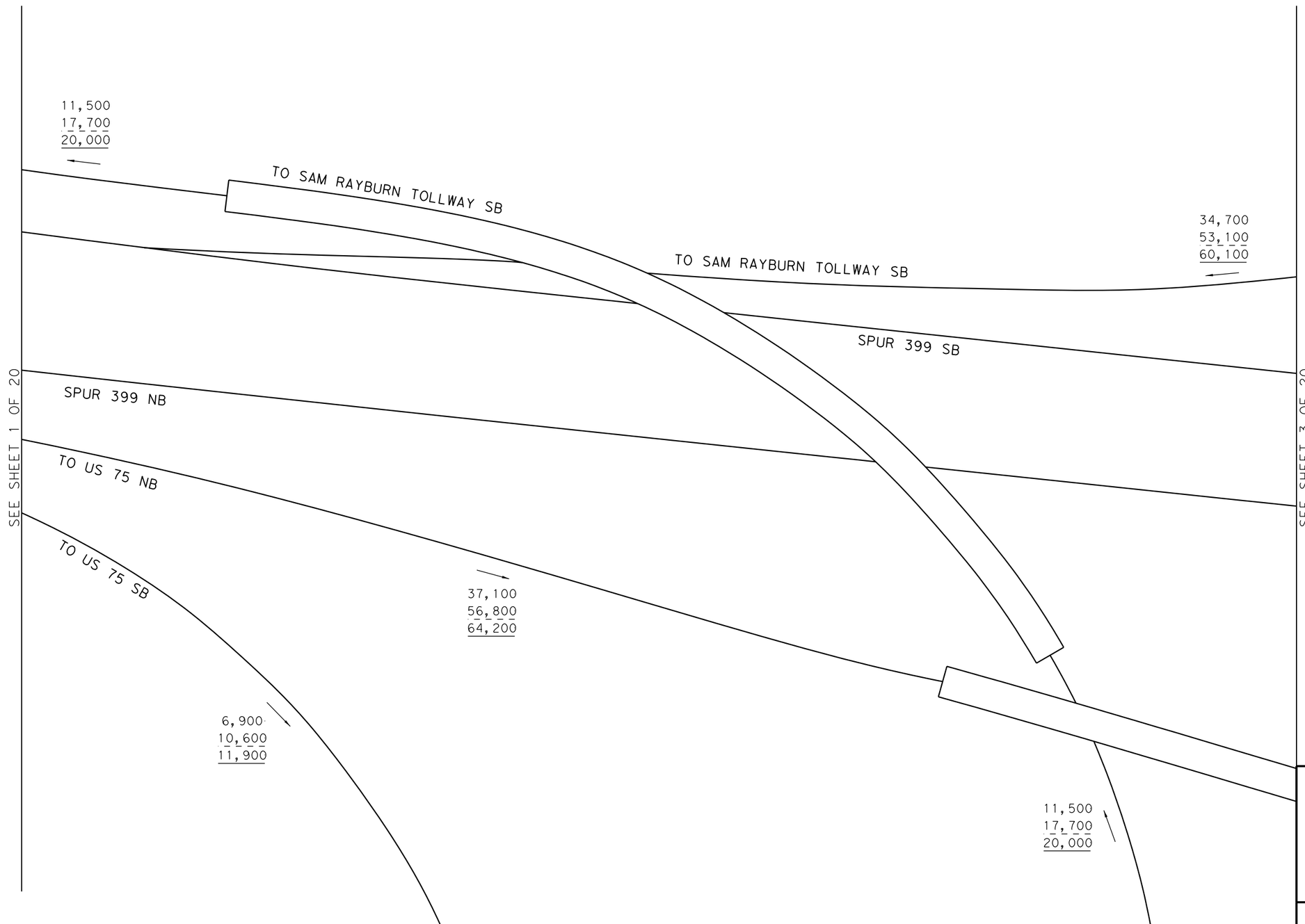

NOT TO SCALE

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
WEST 2 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 2 OF 20

DATE:5/13/2021
FILE:SPUR399_WEST_2_TRF_02.dgn

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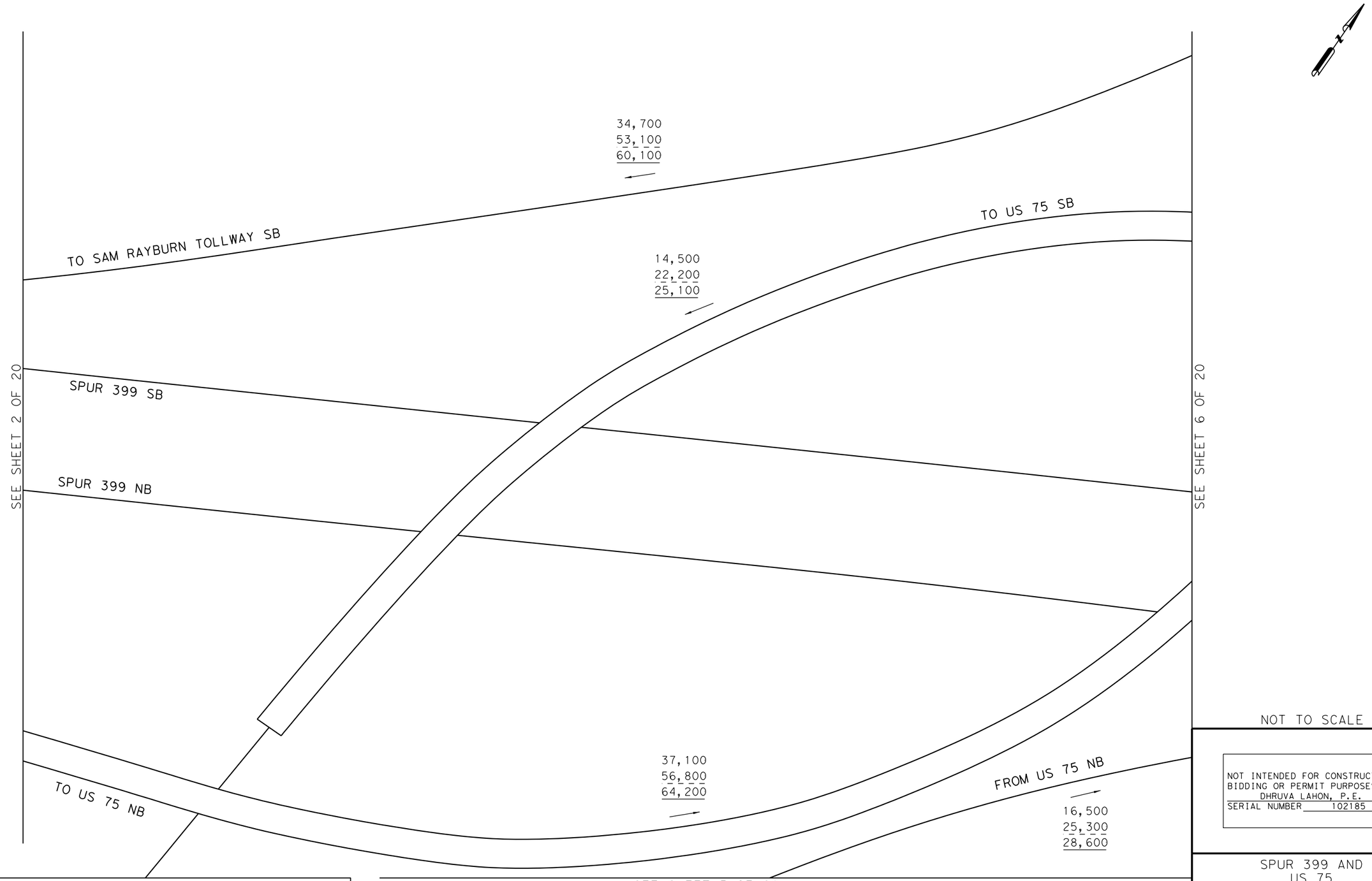

NOT TO SCALE

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND
US 75
AVERAGE DAILY TRAFFIC
WEST 2 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 3 OF 20

DATE: 5/13/2021
FILE: SPUR399_WEST_2_TRF_03.dgn

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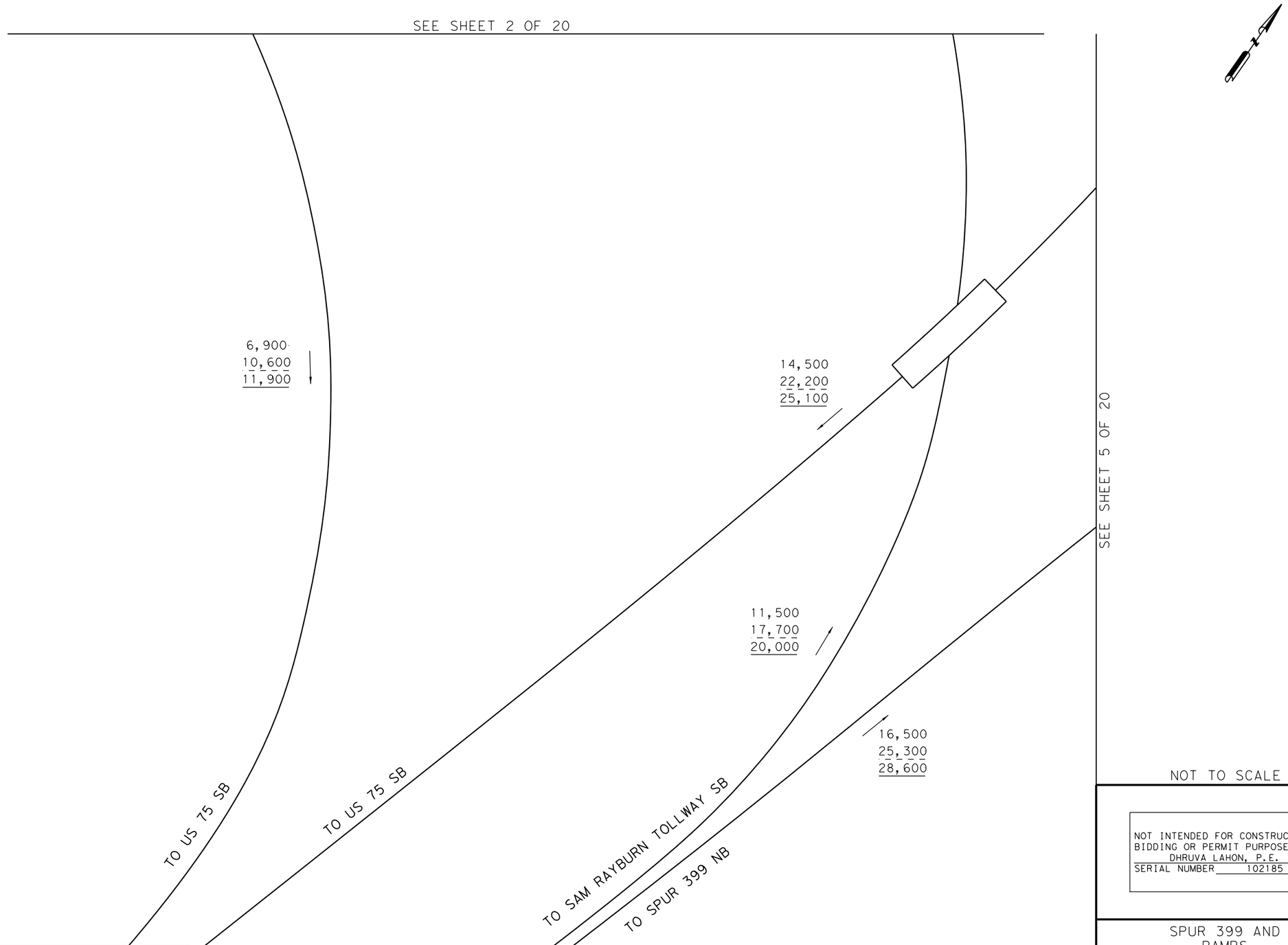

NOT TO SCALE

LEGEND
XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
WEST 2 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 4 OF 20

DATE:5/13/2021
FILE:SPUR399_WEST_2_TRF_04.dgn

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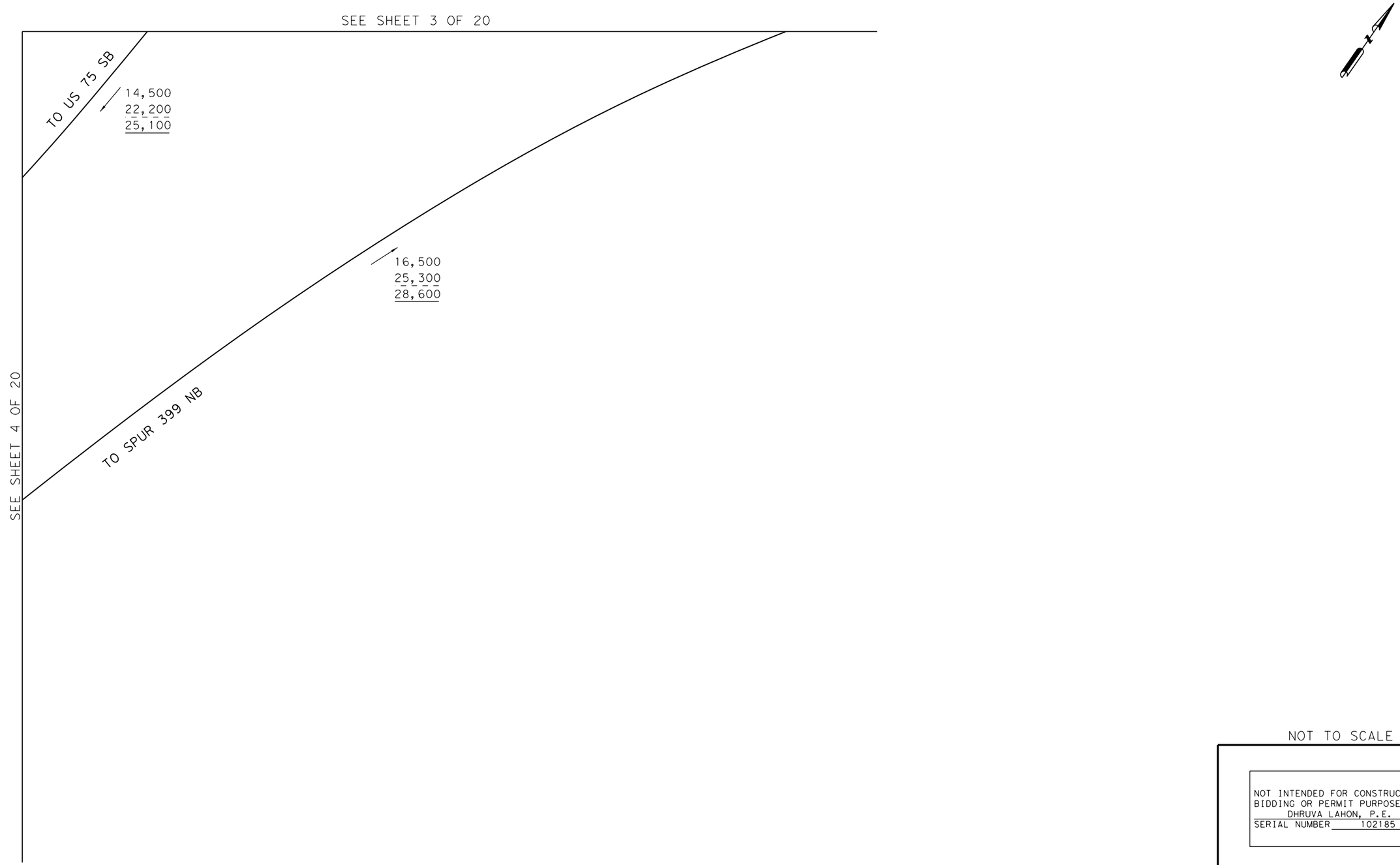

NOT TO SCALE

LEGEND
XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
WEST 2 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 5 OF 20

DATE:5/13/2021
FILE:SPUR399_WEST_2_TRF_05.dgn

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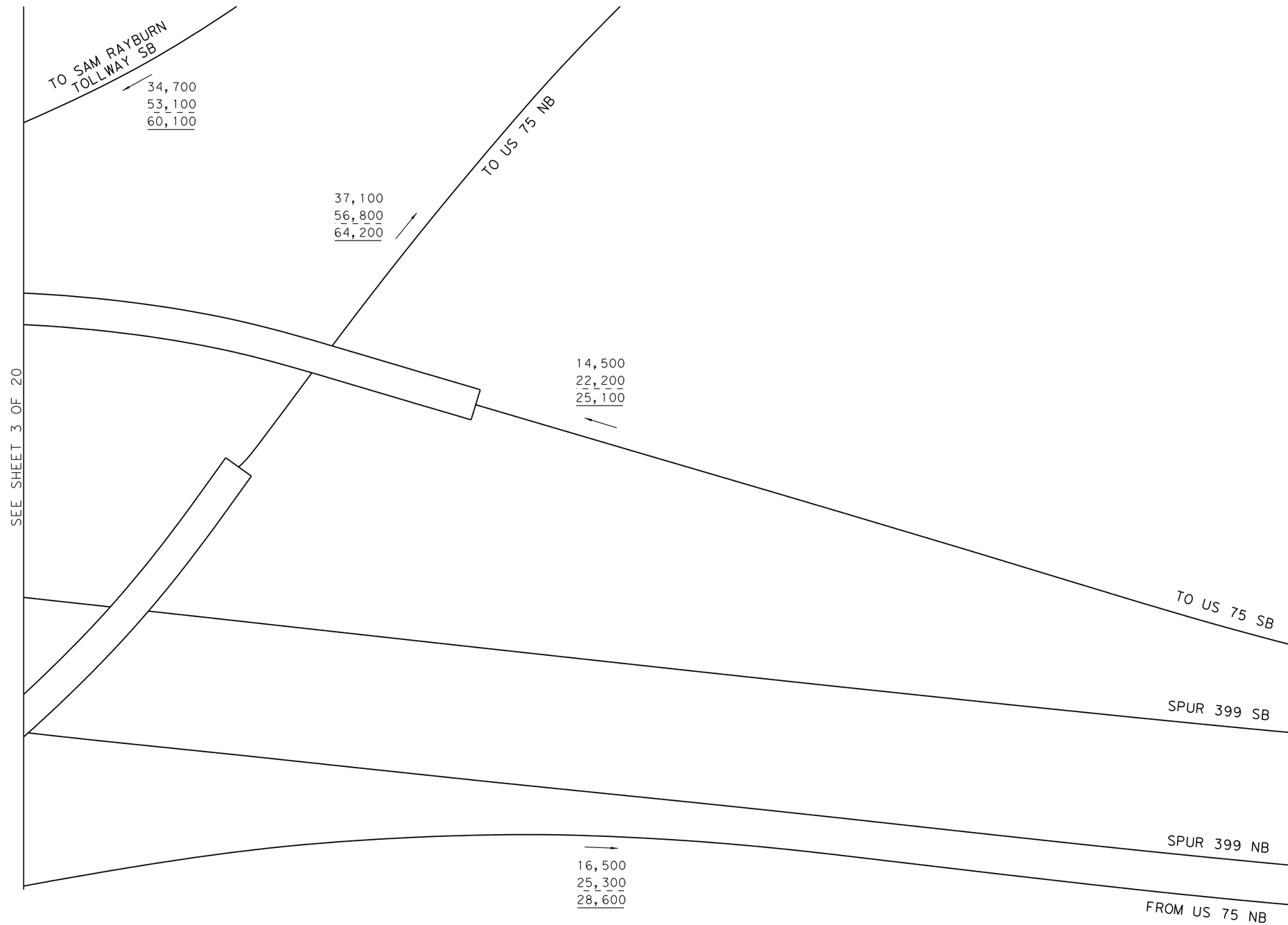

NOT TO SCALE

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
WEST 2 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 6 OF 20

DATE:5/13/2021
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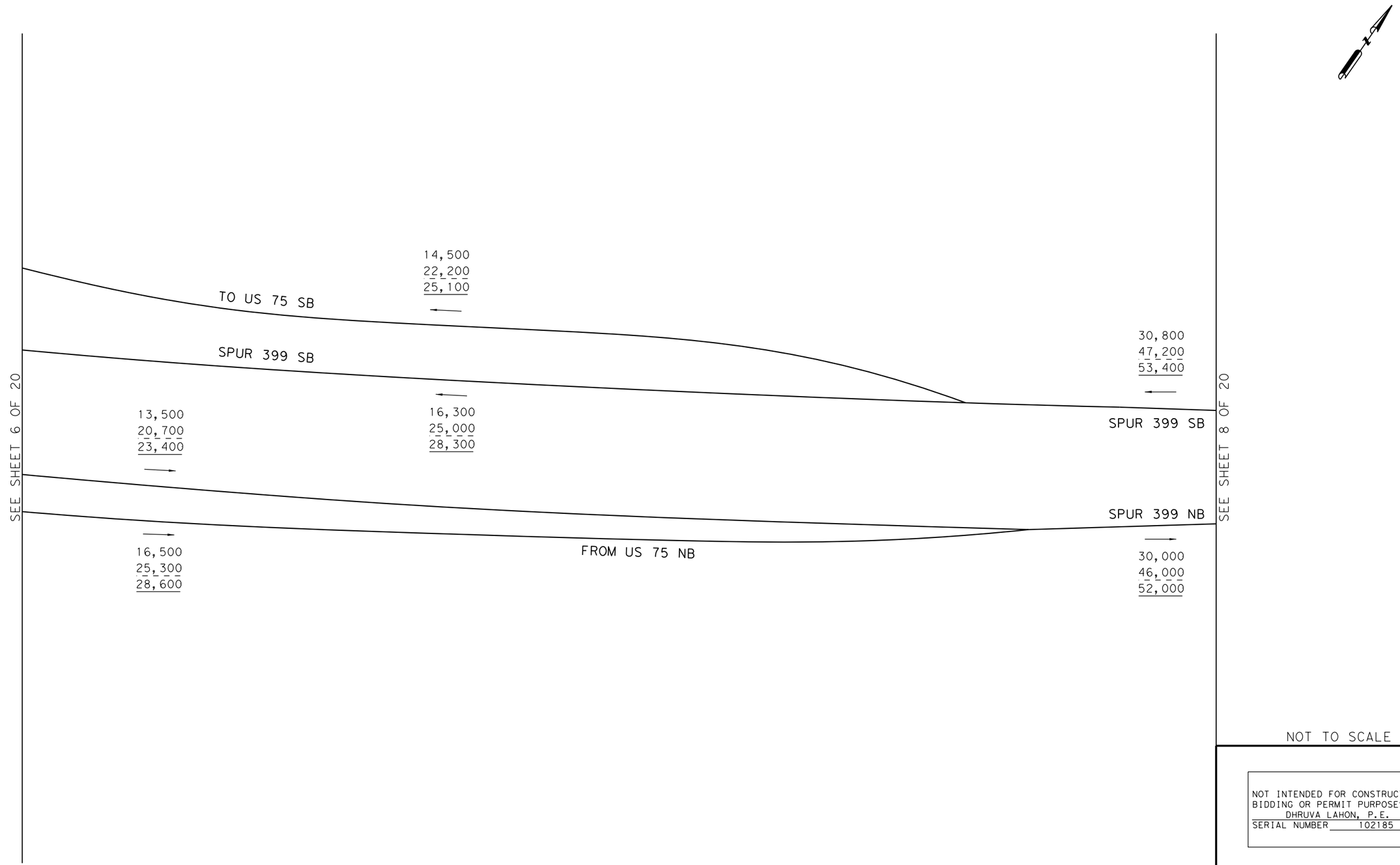

NOT TO SCALE

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DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2060 AVERAGE DAILY TRAFFIC VOLUMES

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
WEST 2 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 7 OF 20

DATE:5/13/2021
FILE:SPUR399_WEST_2_TRF_07.dgn

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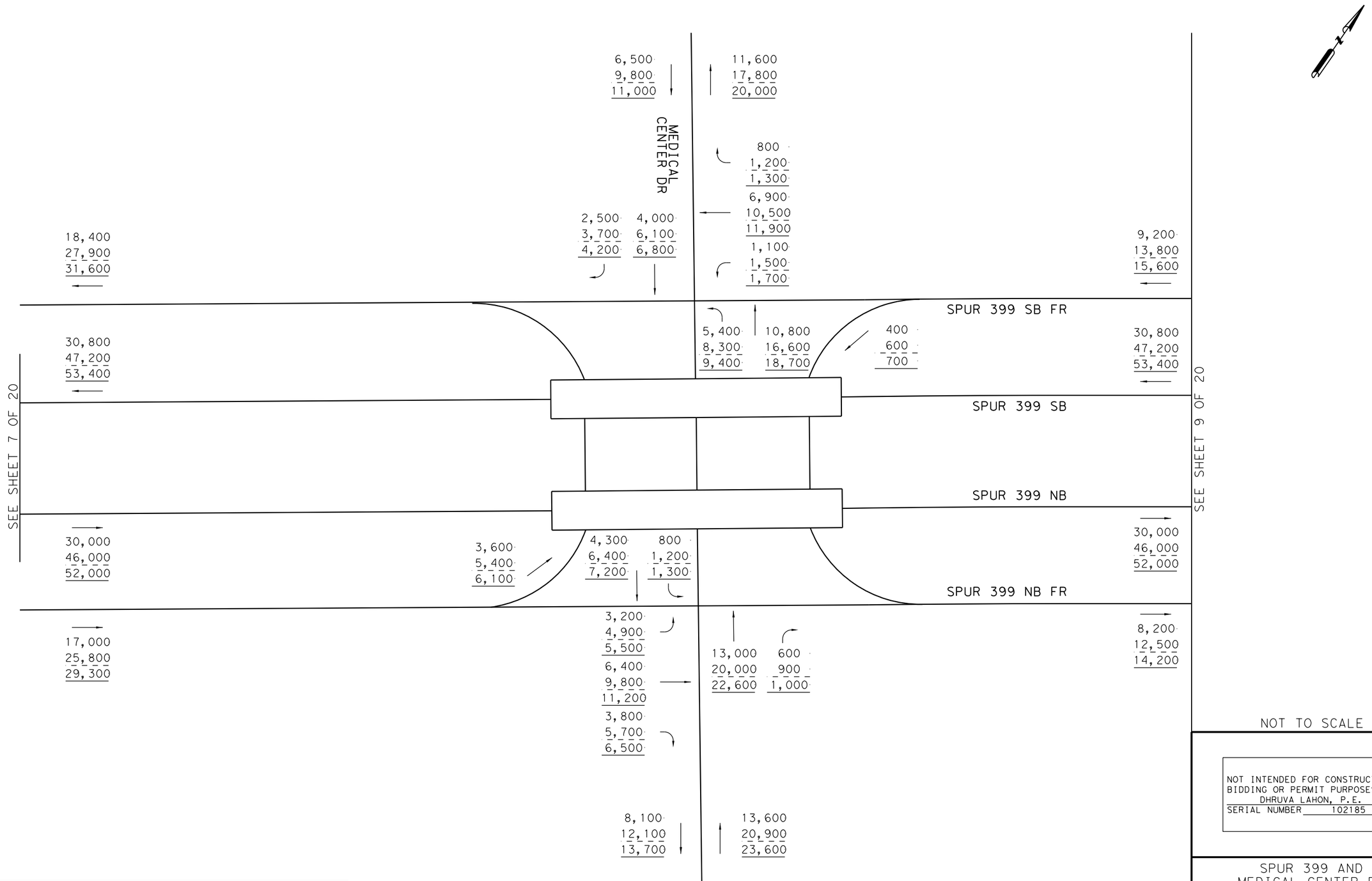

NOT TO SCALE

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
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DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND
MEDICAL CENTER DR
AVERAGE DAILY TRAFFIC
WEST 2 OPTION BUILD VOLUMES

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0364-04-051

SHEET 8 OF 20

DATE:5/13/2021
FILE:SPUR399_WEST_2_TRF_08.dgn

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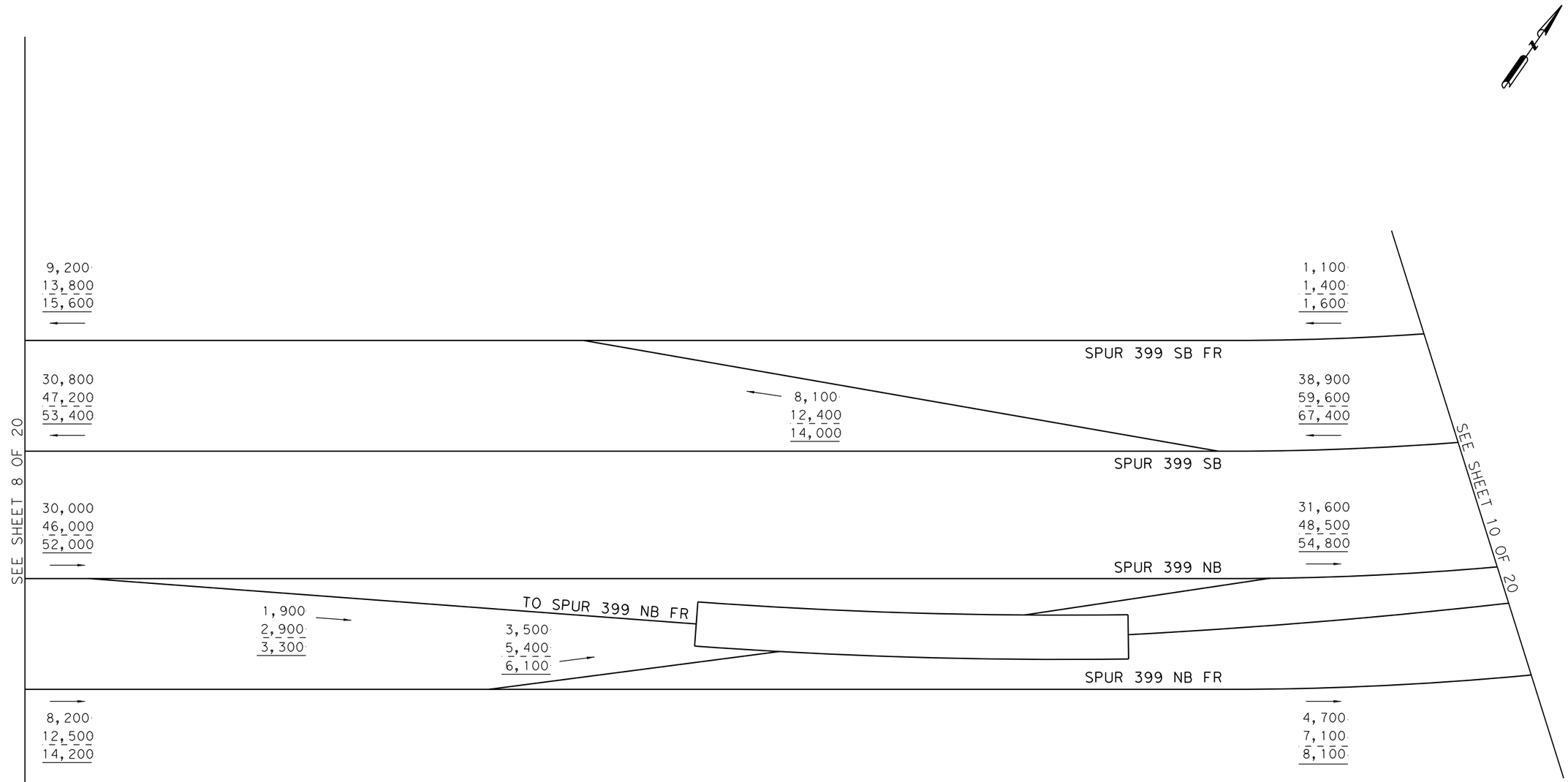

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DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

LEGEND

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XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
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SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
WEST 2 OPTION BUILD VOLUMES

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0364-04-051 | SHEET 9 OF 20

DATE:5/13/2021
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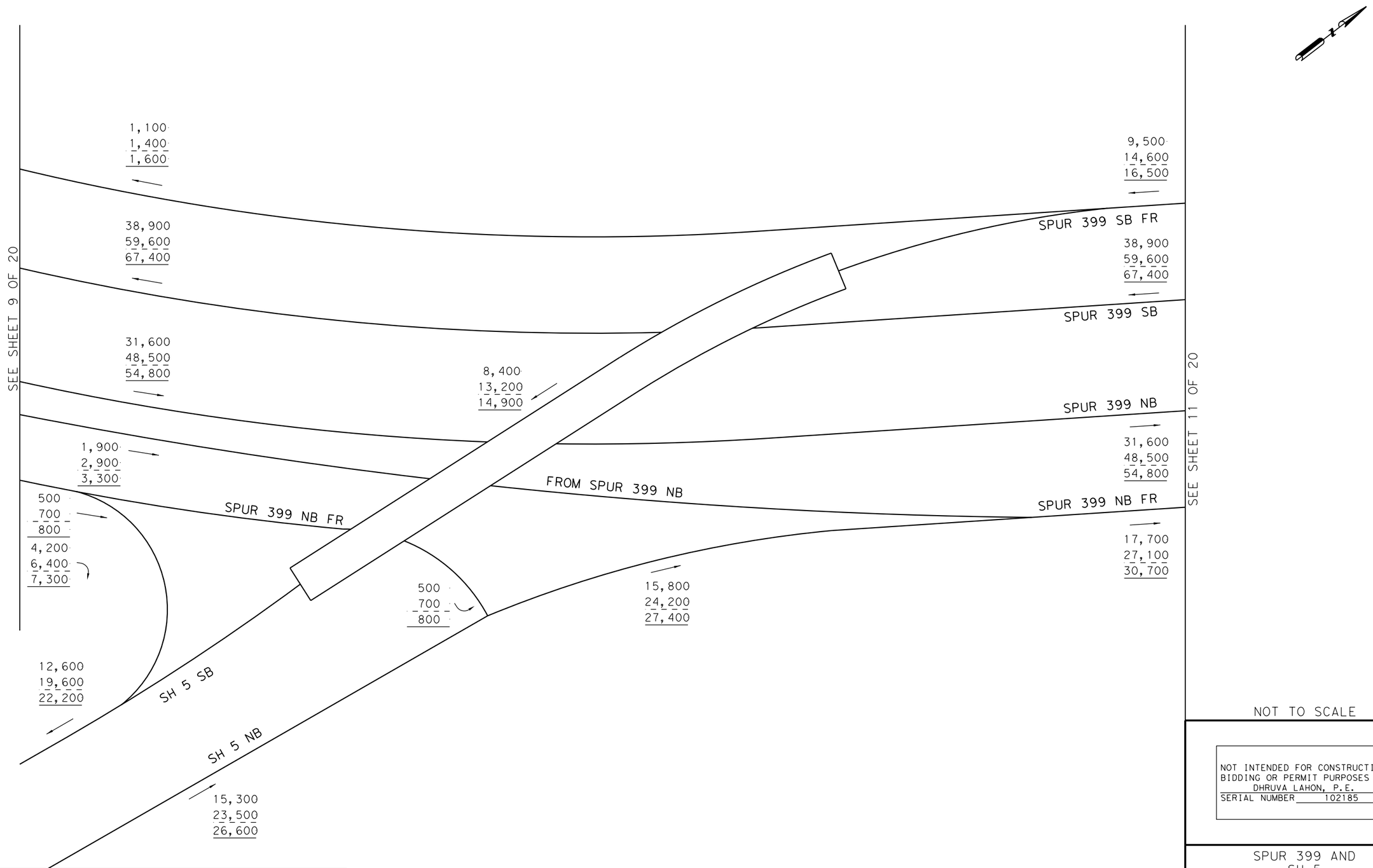

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LEGEND

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SERIAL NUMBER 102185

SPUR 399 AND
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AVERAGE DAILY TRAFFIC
WEST 2 OPTION BUILD VOLUMES

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0364-04-051 | SHEET 10 OF 20

DATE:5/13/2021
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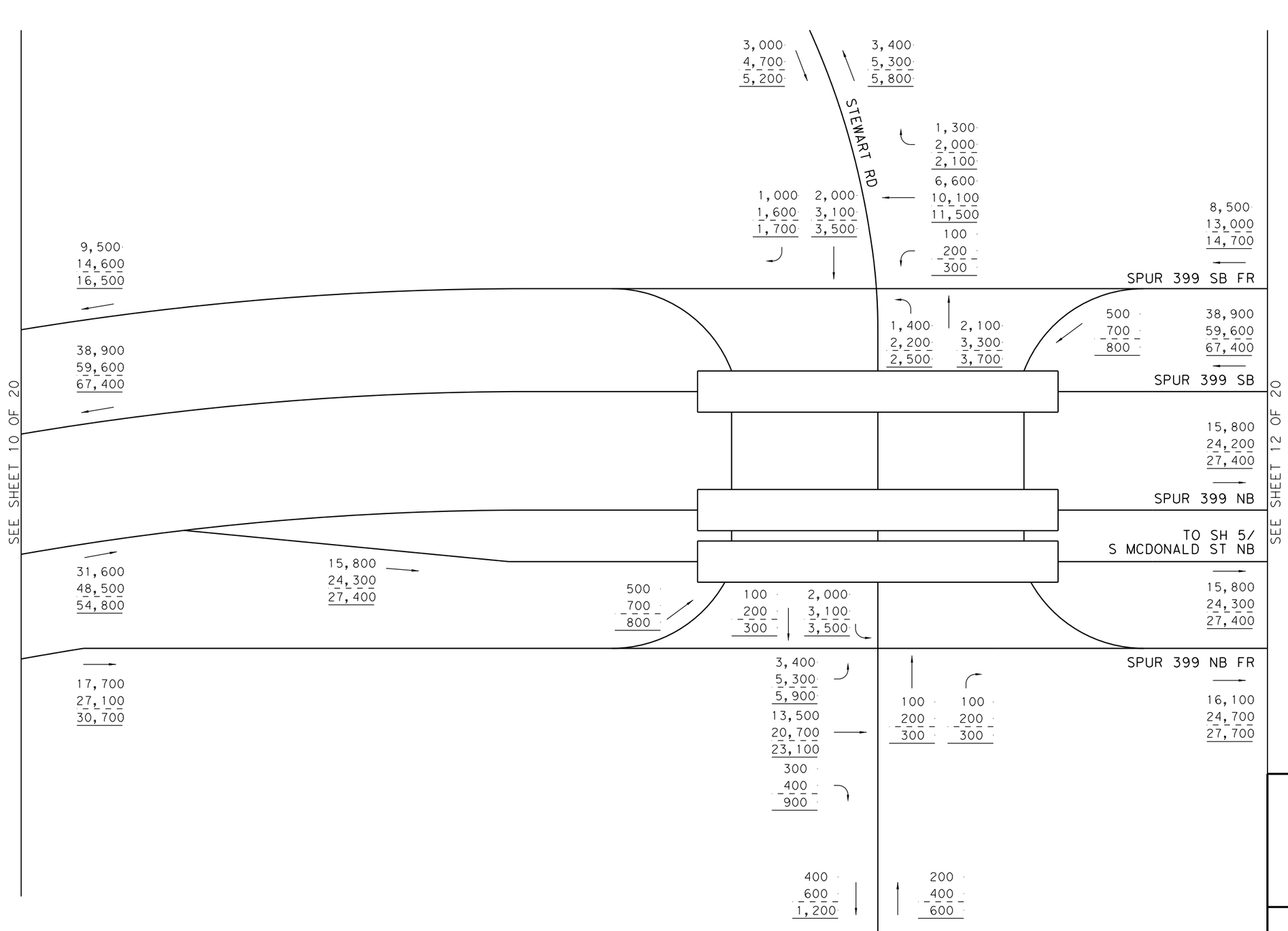

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SERIAL NUMBER 102185

LEGEND

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SPUR 399 AND
STEWART RD
AVERAGE DAILY TRAFFIC
WEST 2 OPTION BUILD VOLUMES

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0364-04-051 | SHEET 11 OF 20

DATE:5/13/2021
FILE:SPUR399_WEST_2_TRF_11.dgn

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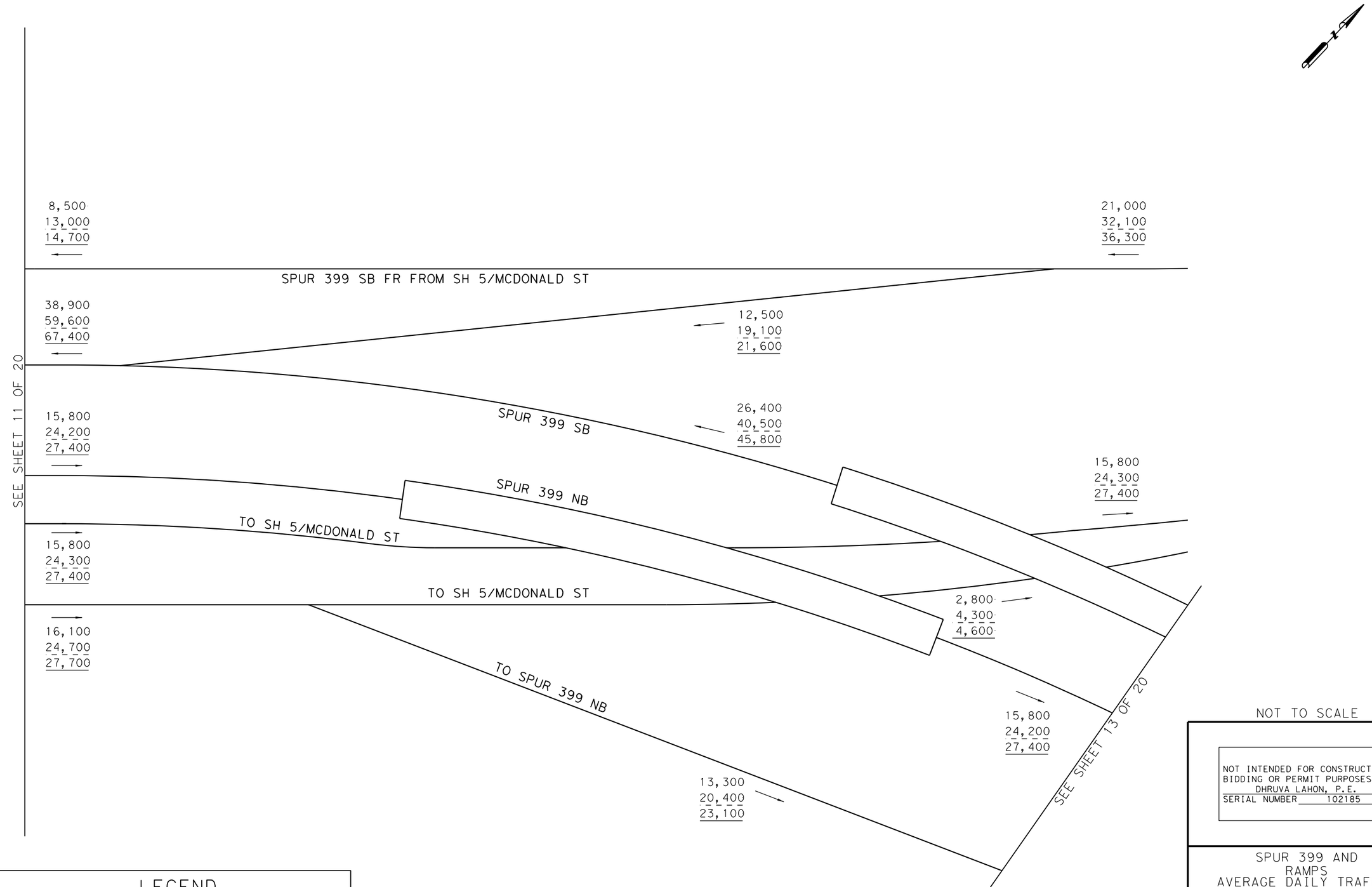

LEGEND

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SERIAL NUMBER 102185

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
WEST 2 OPTION BUILD VOLUMES

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0364-04-051 | SHEET 12 OF 20

DATE:5/13/2021
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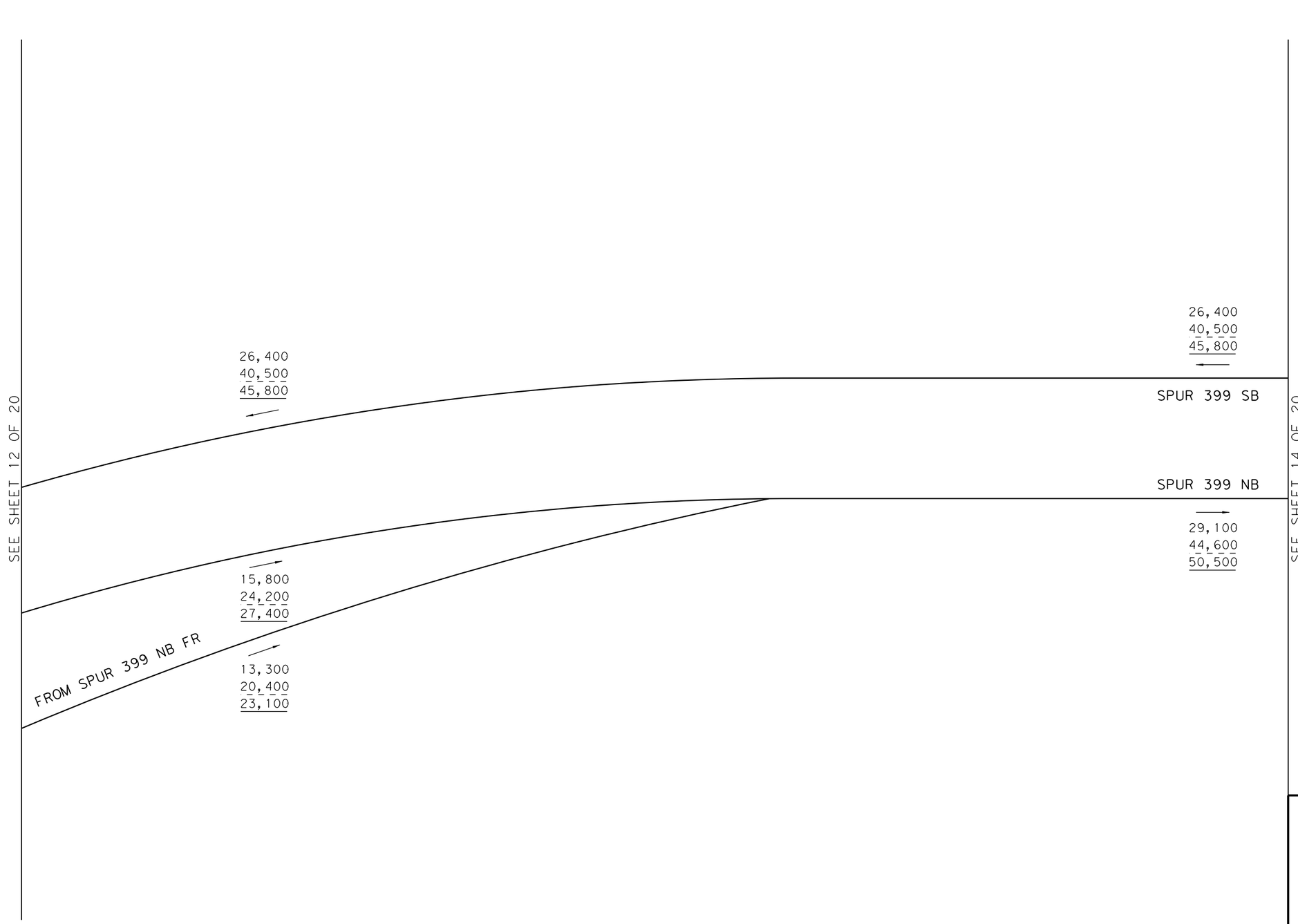

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LEGEND
XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
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DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
WEST 2 OPTION BUILD VOLUMES

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0364-04-051 | SHEET 13 OF 20

DATE:5/13/2021
FILE:SPUR399_WEST_2_TRF_13.dgn

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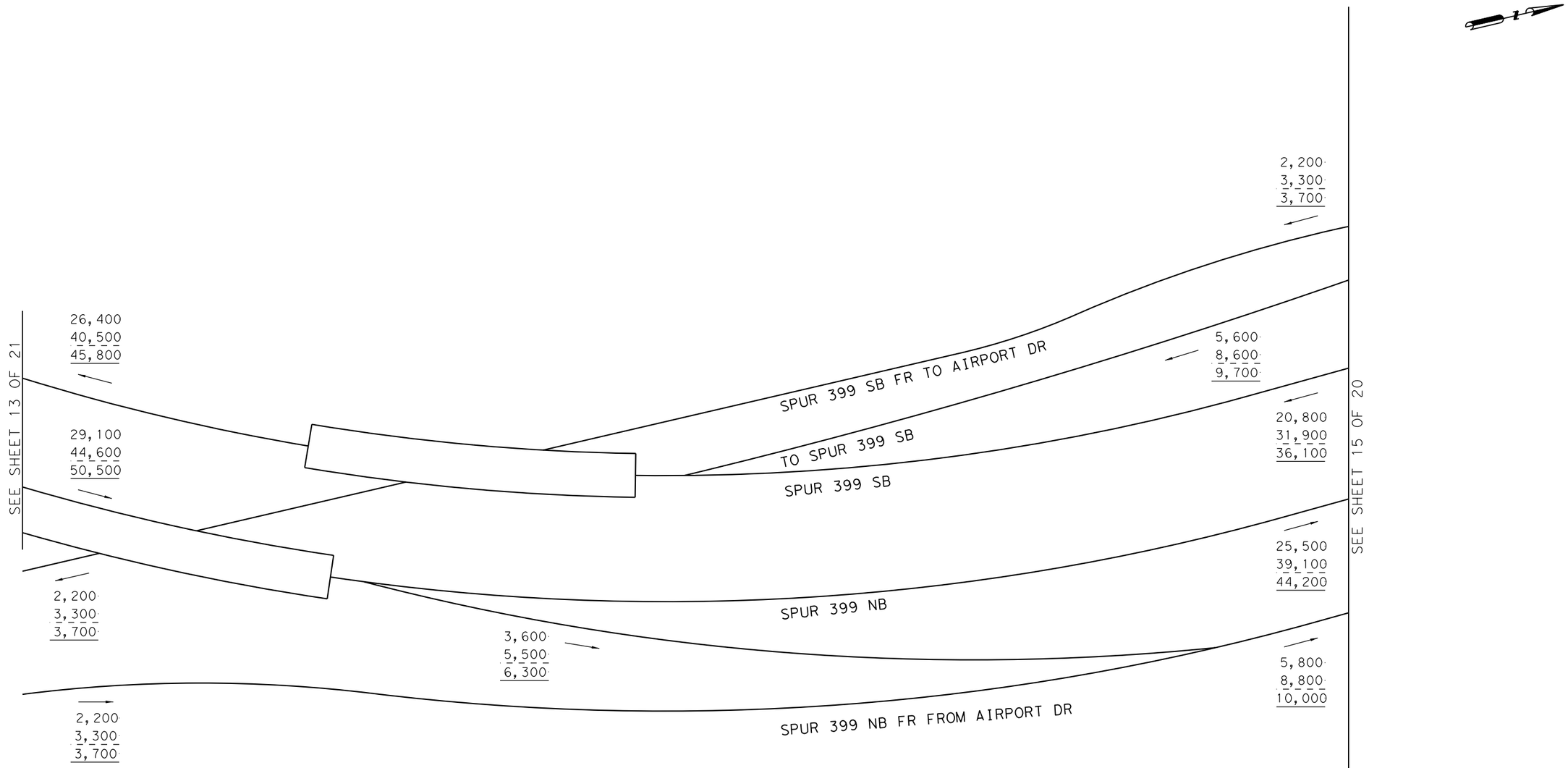

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LEGEND
XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
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DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
WEST 2 OPTION BUILD VOLUMES

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0364-04-051 | SHEET 14 OF 20

DATE:5/13/2021
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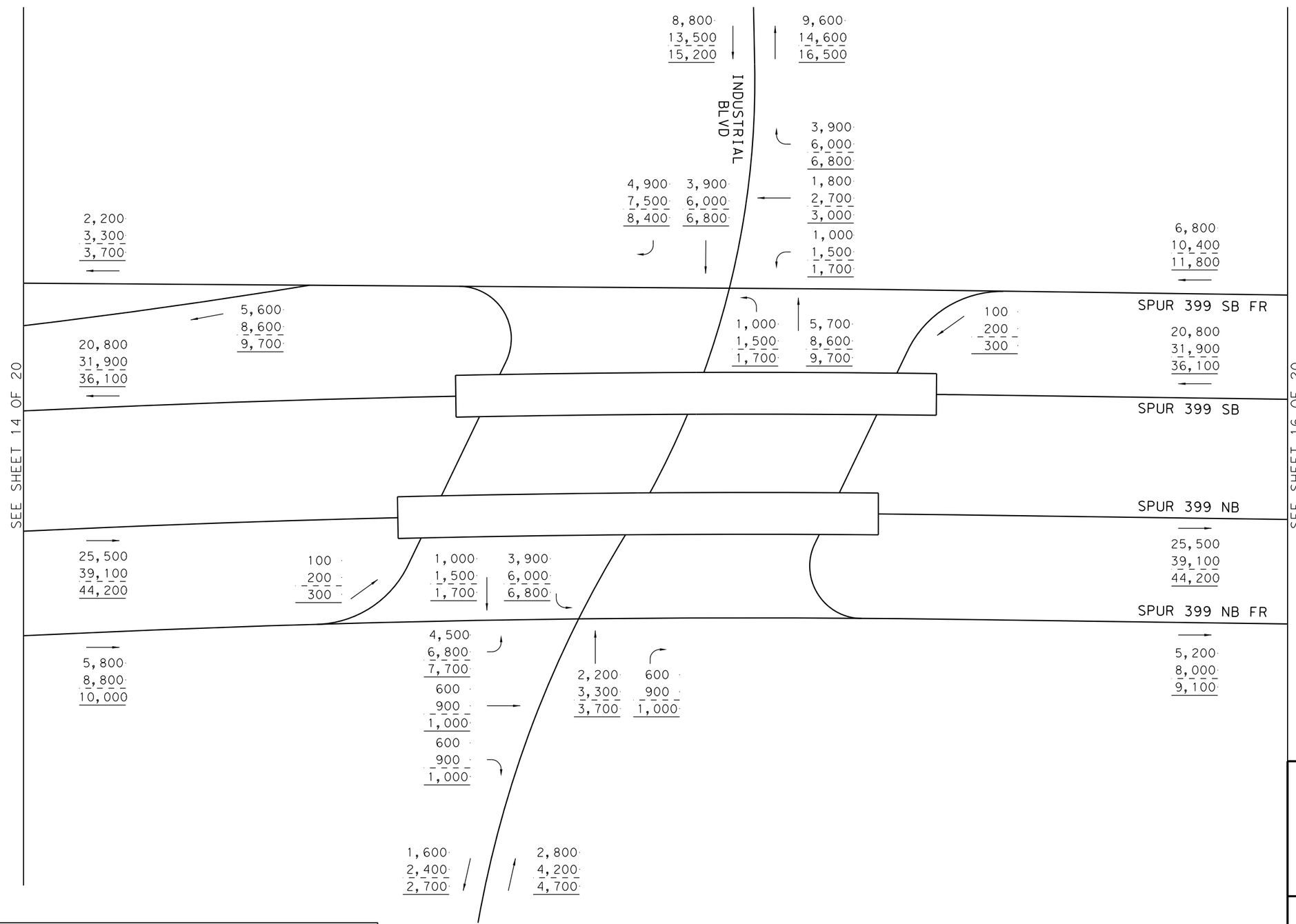

LEGEND

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SERIAL NUMBER 102185

SPUR 399 AND
INDUSTRIAL BLVD
AVERAGE DAILY TRAFFIC
WEST 2 OPTION BUILD VOLUMES

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0364-04-051 | SHEET 15 OF 20

DATE:5/13/2021
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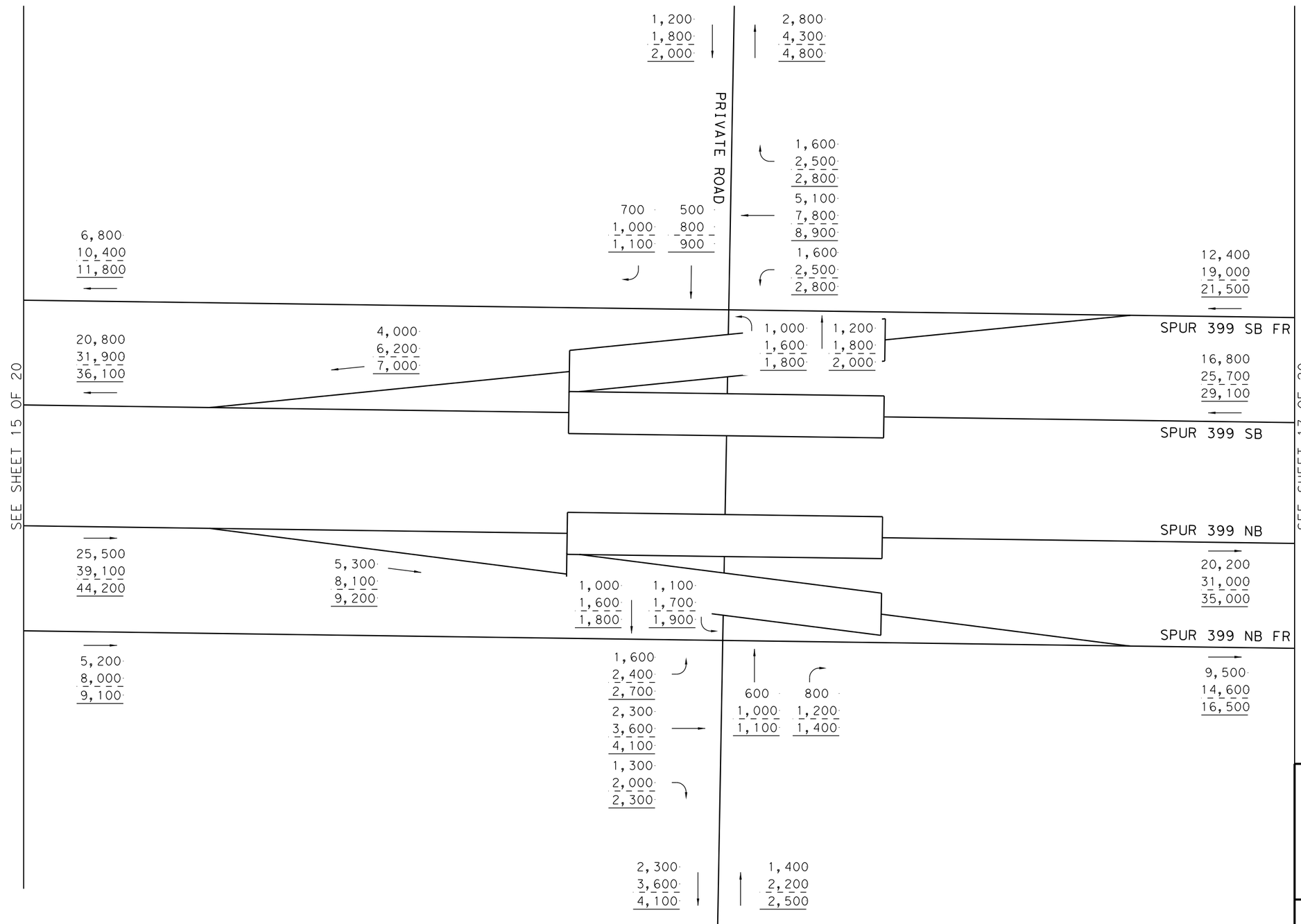

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LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
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DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND
PRIVATE DRIVE
AVERAGE DAILY TRAFFIC
WEST 2 OPTION BUILD VOLUMES

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0364-04-051 | SHEET 16 OF 20

DATE:5/13/2021
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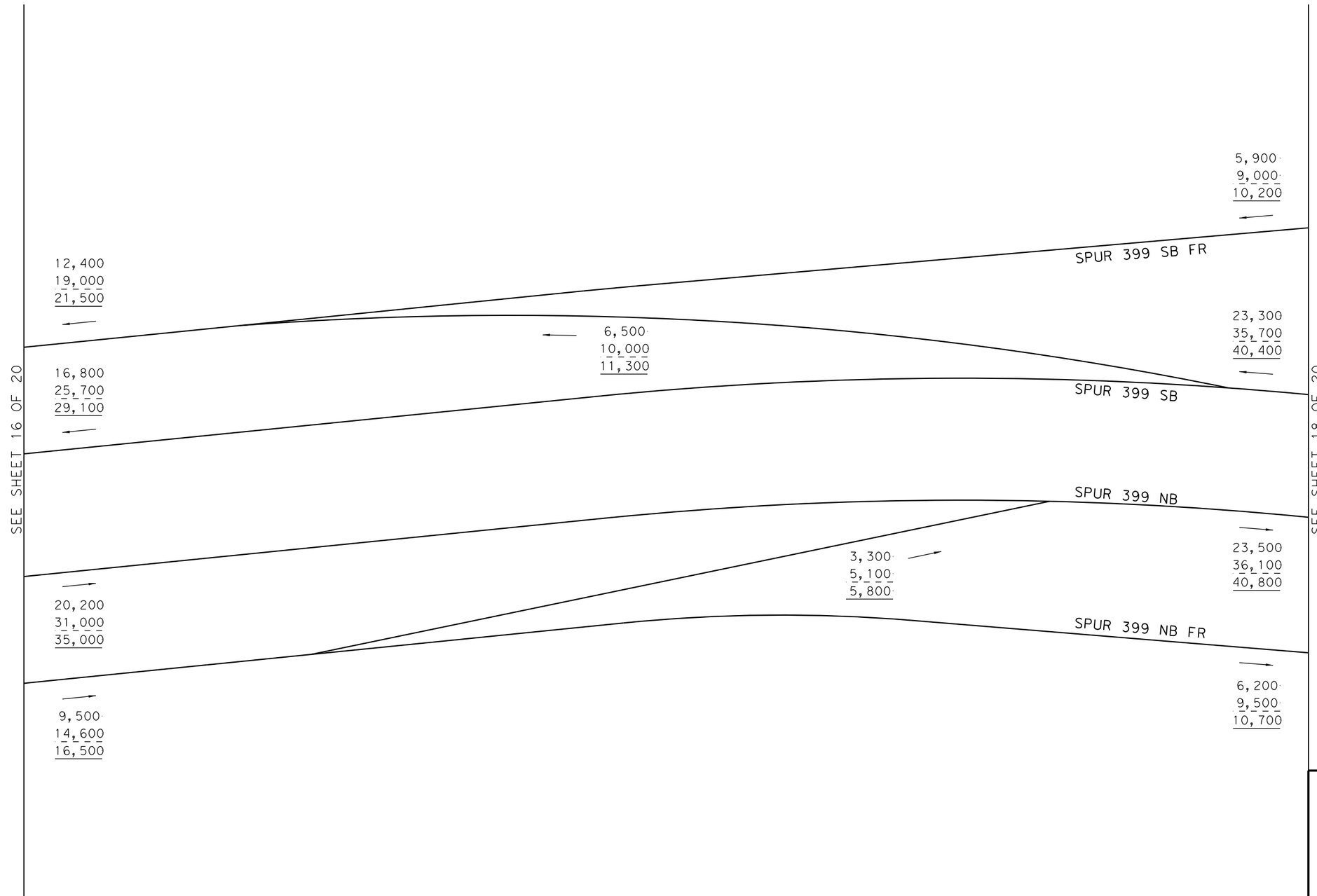

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DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
XXXX- 2050 AVERAGE DAILY TRAFFIC VOLUMES
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SPUR 399 AND RAMPS
AVERAGE DAILY TRAFFIC
WEST 2 OPTION BUILD VOLUMES

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0364-04-051 | SHEET 17 OF 20

DATE:5/13/2021
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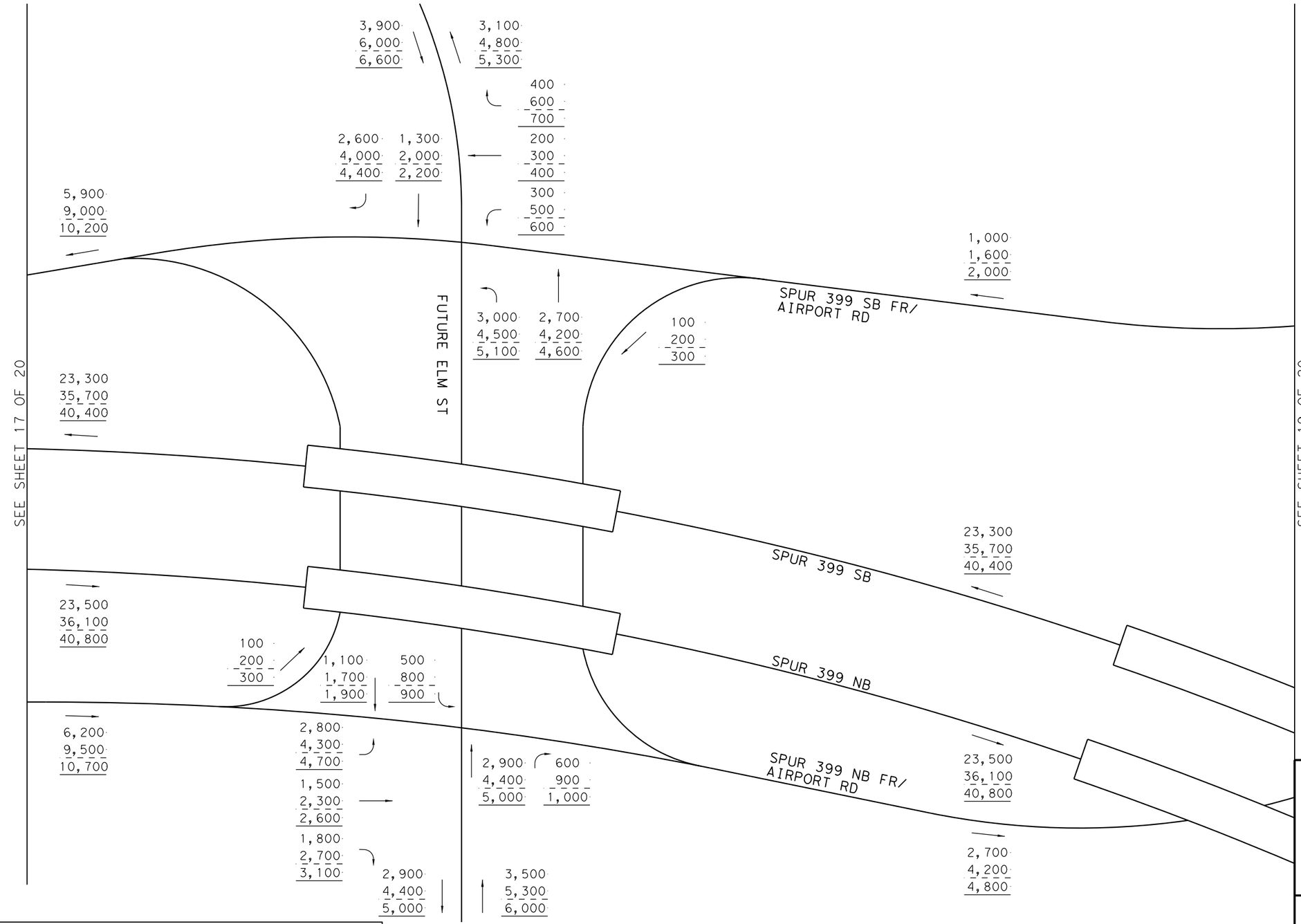

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DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND
FUTURE ELM ST
AVERAGE DAILY TRAFFIC
WEST 2 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 18 OF 20

DATE:5/13/2021
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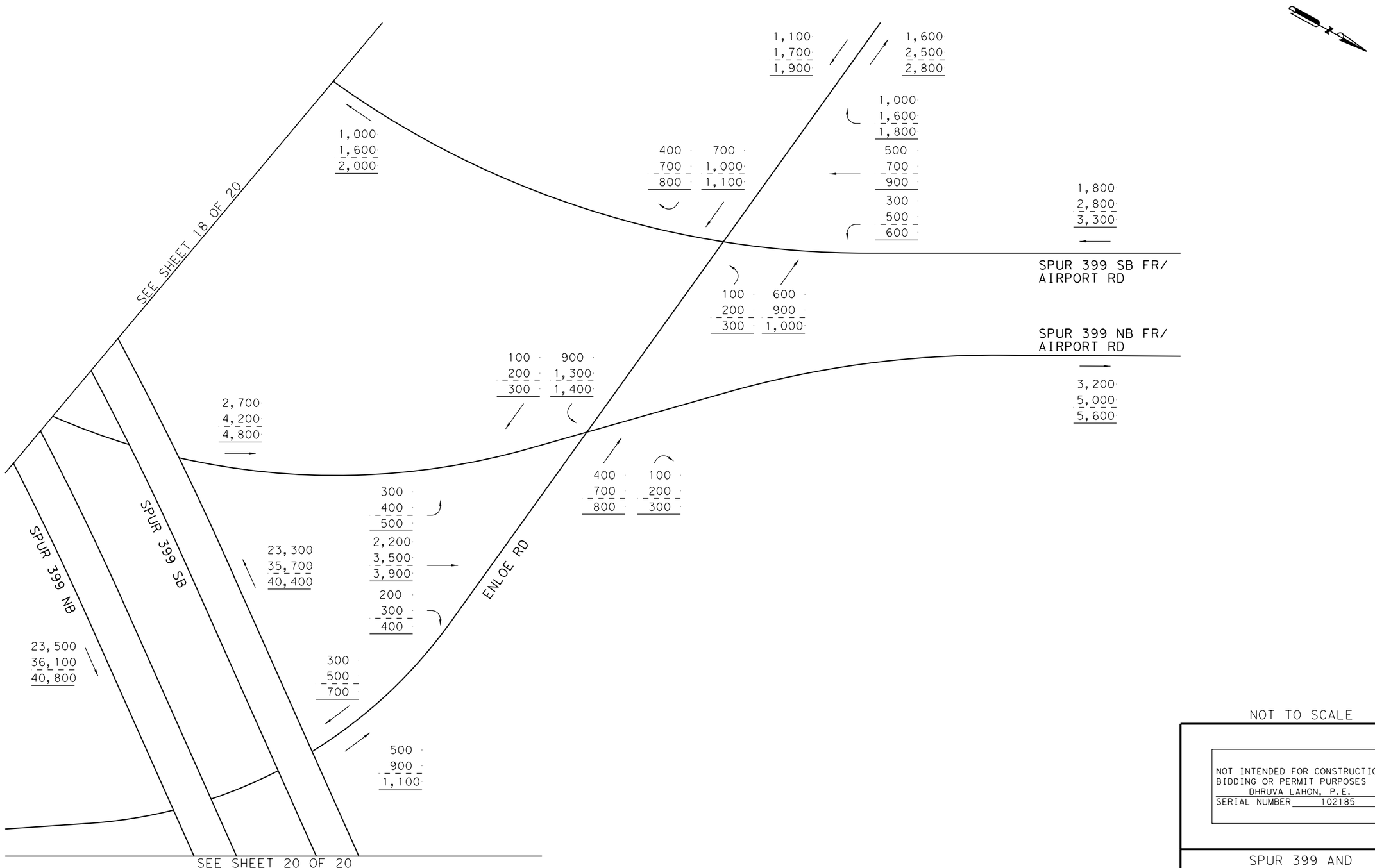

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LEGEND

XXXX- 2030 AVERAGE DAILY TRAFFIC VOLUMES
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BIDDING OR PERMIT PURPOSES
DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

SPUR 399 AND
ENLOE RD
AVERAGE DAILY TRAFFIC
WEST 2 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 19 OF 20

DATE:5/13/2021
FILE:SPUR399_WEST_2_TRF_19.dgn

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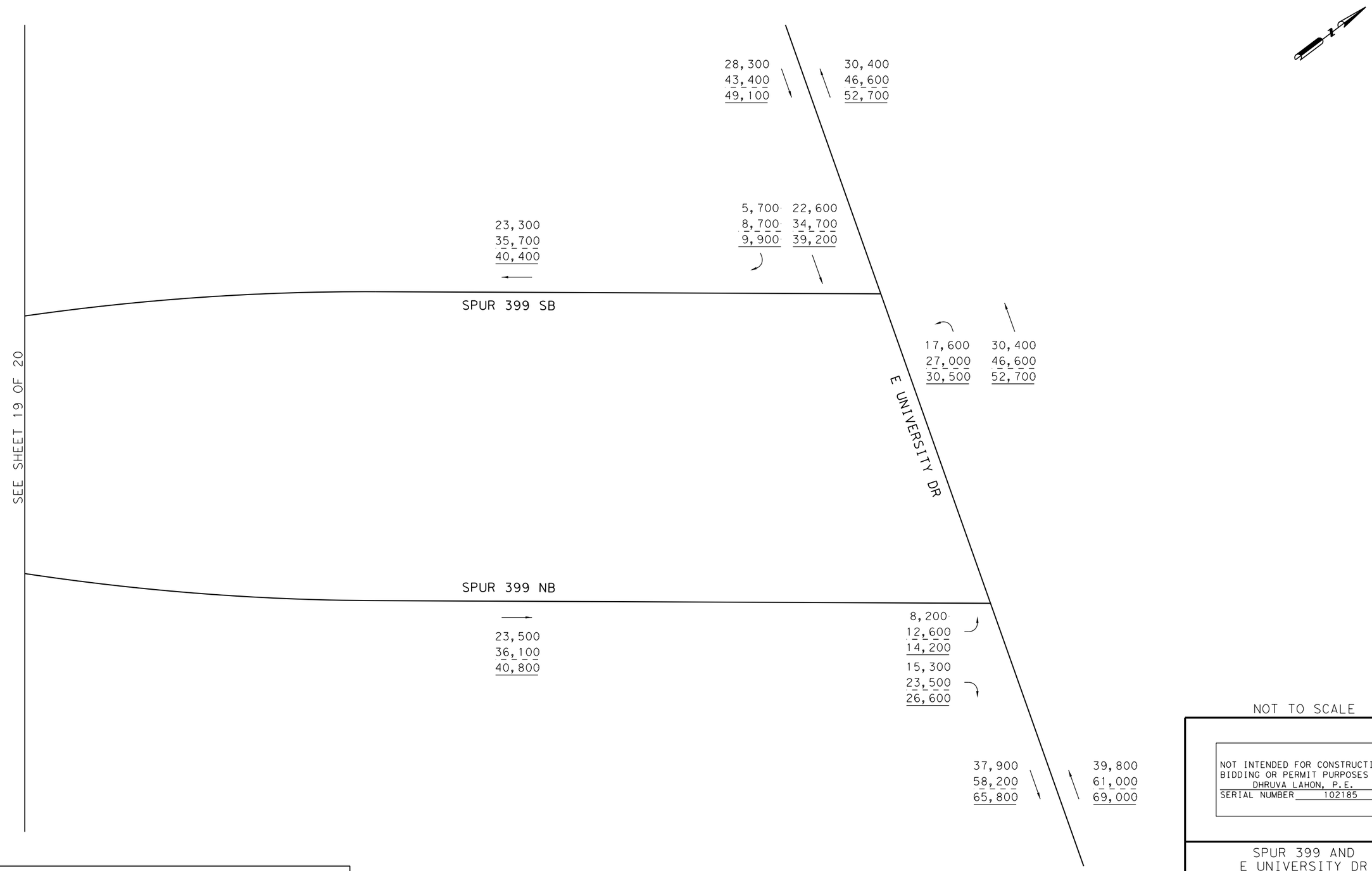

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DHRUVA LAHON, P.E.
SERIAL NUMBER 102185

LEGEND

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SPUR 399 AND
E UNIVERSITY DR
AVERAGE DAILY TRAFFIC
WEST 2 OPTION BUILD VOLUMES

Kimley»Horn F-928

0364-04-051 | SHEET 20 OF 20

DATE:5/13/2021
FILE:SPUR399_WEST_2_TRF_20.dgn

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Certificate Of Completion

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Status: Completed
Subject: Please DocuSign: Spur 399 Request for ESAL's Air Noise .pdf
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Document Pages: 201
Signatures: 0
Certificate Pages: 5
Initials: 4
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Austin, TX 78701
Kimberly.Adams@txdot.gov
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Grace Lo Grace.Lo@txdot.gov Project Manager Texas Department of Transportation Security Level: Email, Account Authentication (None)	 Signature Adoption: Pre-selected Style Using IP Address: 204.64.21.251	Sent: 8/12/2021 8:35:47 AM Viewed: 8/12/2021 10:59:04 AM Signed: 8/13/2021 3:15:10 PM
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Dan Perge Dan.Perge@txdot.gov DAL-ENV Director Texas Department of Transportation Security Level: Email, Account Authentication (None)	 Signature Adoption: Pre-selected Style Using IP Address: 204.64.21.250	Sent: 8/13/2021 3:15:15 PM Viewed: 8/13/2021 3:17:59 PM Signed: 8/13/2021 3:18:14 PM
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John Hudspeth John.Hudspeth@txdot.gov Director, TP&D Texas Department of Transportation Security Level: Email, Account Authentication (None)	 Signature Adoption: Uploaded Signature Image Using IP Address: 204.64.21.250	Sent: 8/13/2021 3:18:20 PM Resent: 8/17/2021 8:21:51 AM Viewed: 8/17/2021 9:04:59 AM Signed: 8/17/2021 9:05:18 AM
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Tim Wright Tim.P.Wright@txdot.gov Environmental Specialist TxDOT Security Level: Email, Account Authentication (None) **Electronic Record and Signature Disclosure:** Accepted: 6/8/2016 12:42:19 PM ID: 21b6e161-2a96-4cc1-8e48-a1050b5936d3	COPIED	Sent: 8/17/2021 9:05:22 AM Viewed: 8/17/2021 9:06:27 AM

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Envelope Sent	Hashed/Encrypted	8/12/2021 7:06:32 AM
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Required hardware and software

Operating Systems:	Windows2000? or WindowsXP?
Browsers (for SENDERS):	Internet Explorer 6.0? or above
Browsers (for SIGNERS):	Internet Explorer 6.0?, Mozilla FireFox 1.0, NetScape 7.2 (or above)
Email:	Access to a valid email account
Screen Resolution:	800 x 600 minimum
Enabled Security Settings:	•Allow per session cookies •Users accessing the internet behind a Proxy Server must enable HTTP 1.1 settings via proxy connection

** These minimum requirements are subject to change. If these requirements change, we will provide you with an email message at the email address we have on file for you at that time providing you with the revised hardware and software requirements, at which time you will have the right to withdraw your consent.

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