

ANALYST  
 PBW  
 DATE  
 10/19/23

NOT TO SCALE

**MED-71-271 2030/ 2050 NO BUILD ADT  
 PLANNING STUDY**

**PID 117028**



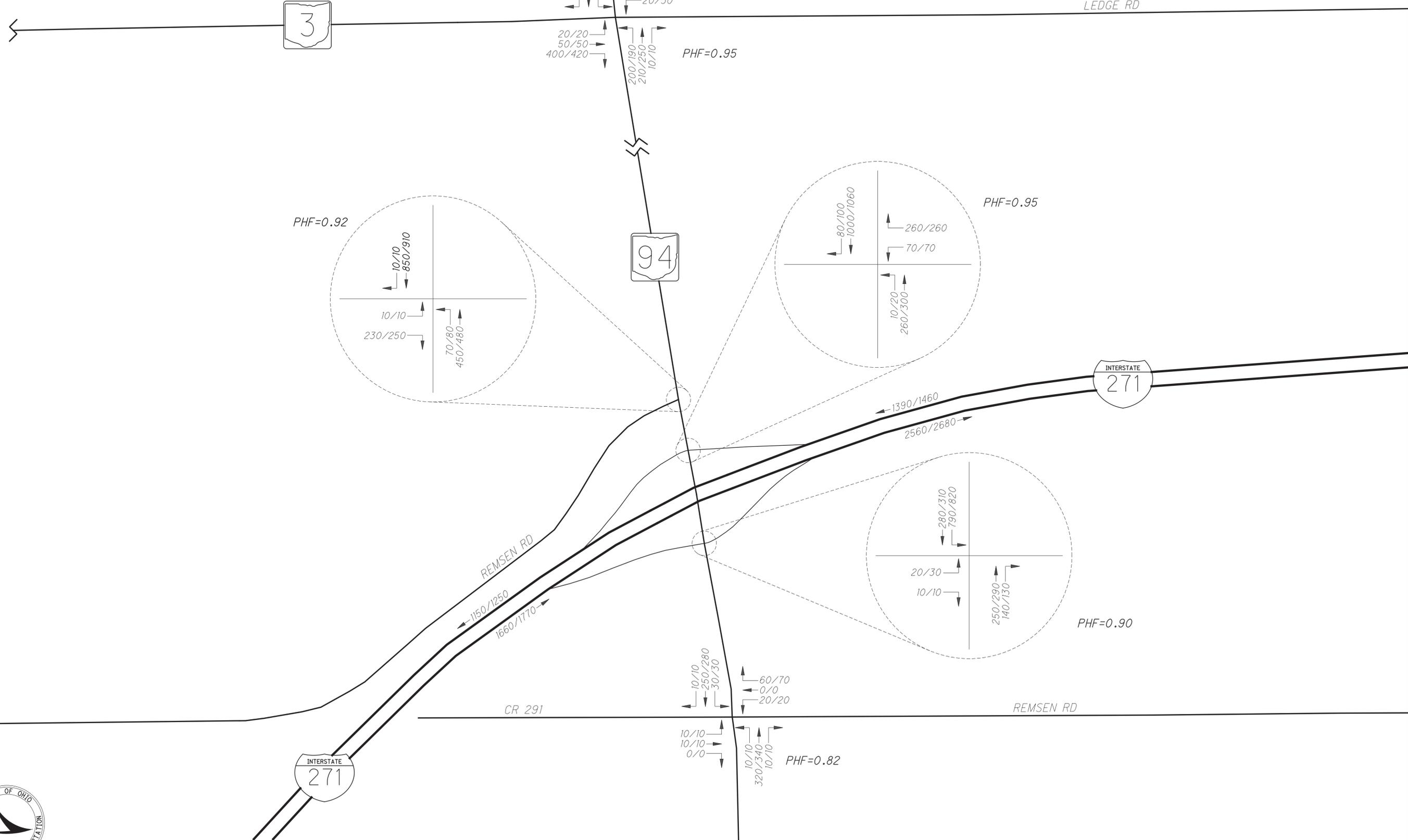
NOT TO SCALE

ANALYST  
 PBW  
 DATE  
 10/19/23

MED-71-271 2030/2050 NO BUILD AM PEAK HR  
 PLANNING STUDY

PID 117028

S:\2023 Projects\841801 - ADR - IR 71 & IR 271 Planning Study\Maps-Plans-Drawings\StandardDesignTrafficTemplate-(1).dgn Sheet 10/24/2023 5:06:14 PM pwilson





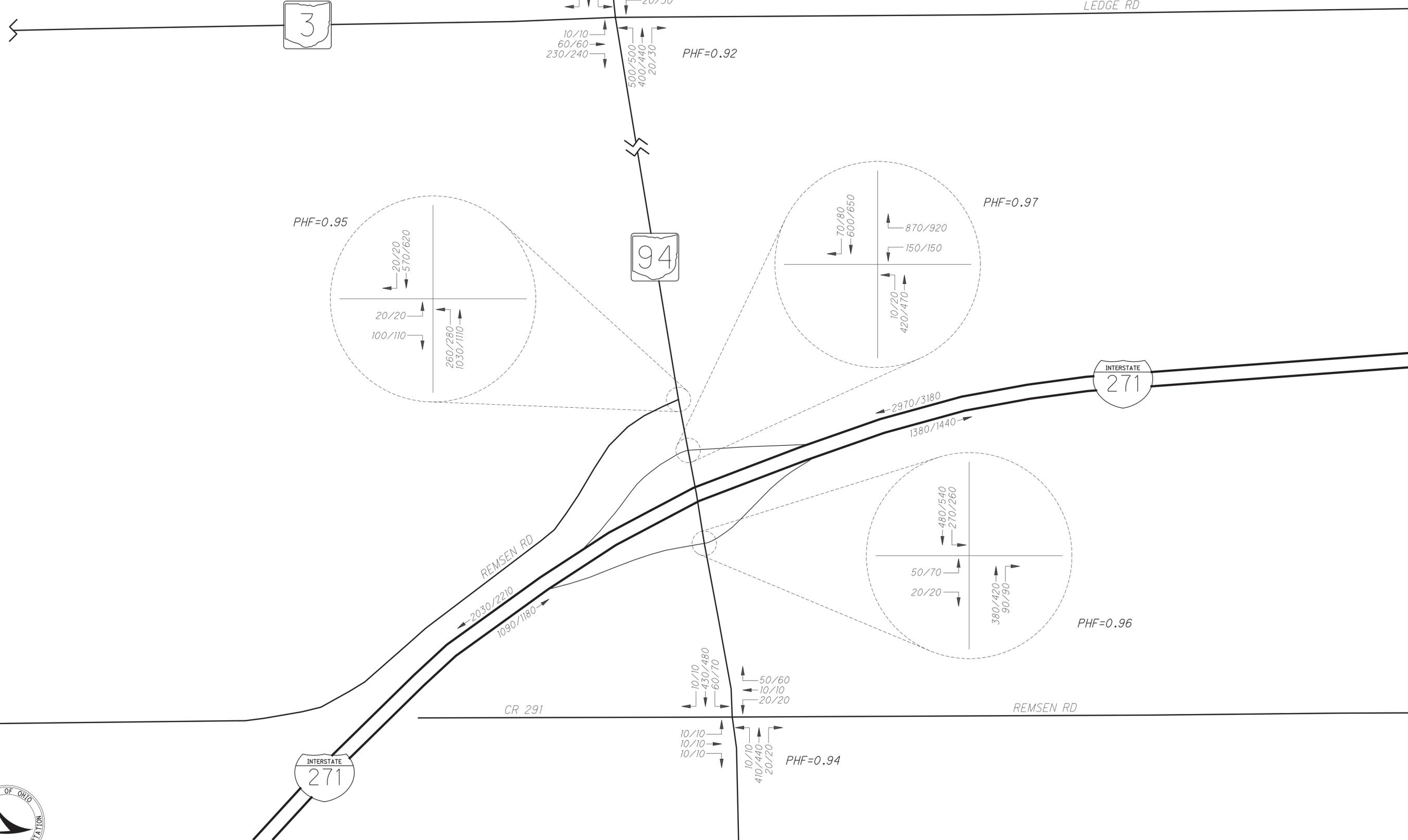
NOT TO SCALE

ANALYST  
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MED-71-271 2030/ 2050 NO BUILD PM PEAK HR  
 PLANNING STUDY

PID 117028

S:\2023 Projects\841801 - ADR - IR 71 & IR 271 Planning Study\Maps-Plans-Drawings\StandardDesignTrafficTemplate-(1).dgn Sheet 10/24/2023 5:06:14 PM pwilson



MED-71-271  
PID 117028  
PLATE 12 OF 12



NOT TO SCALE

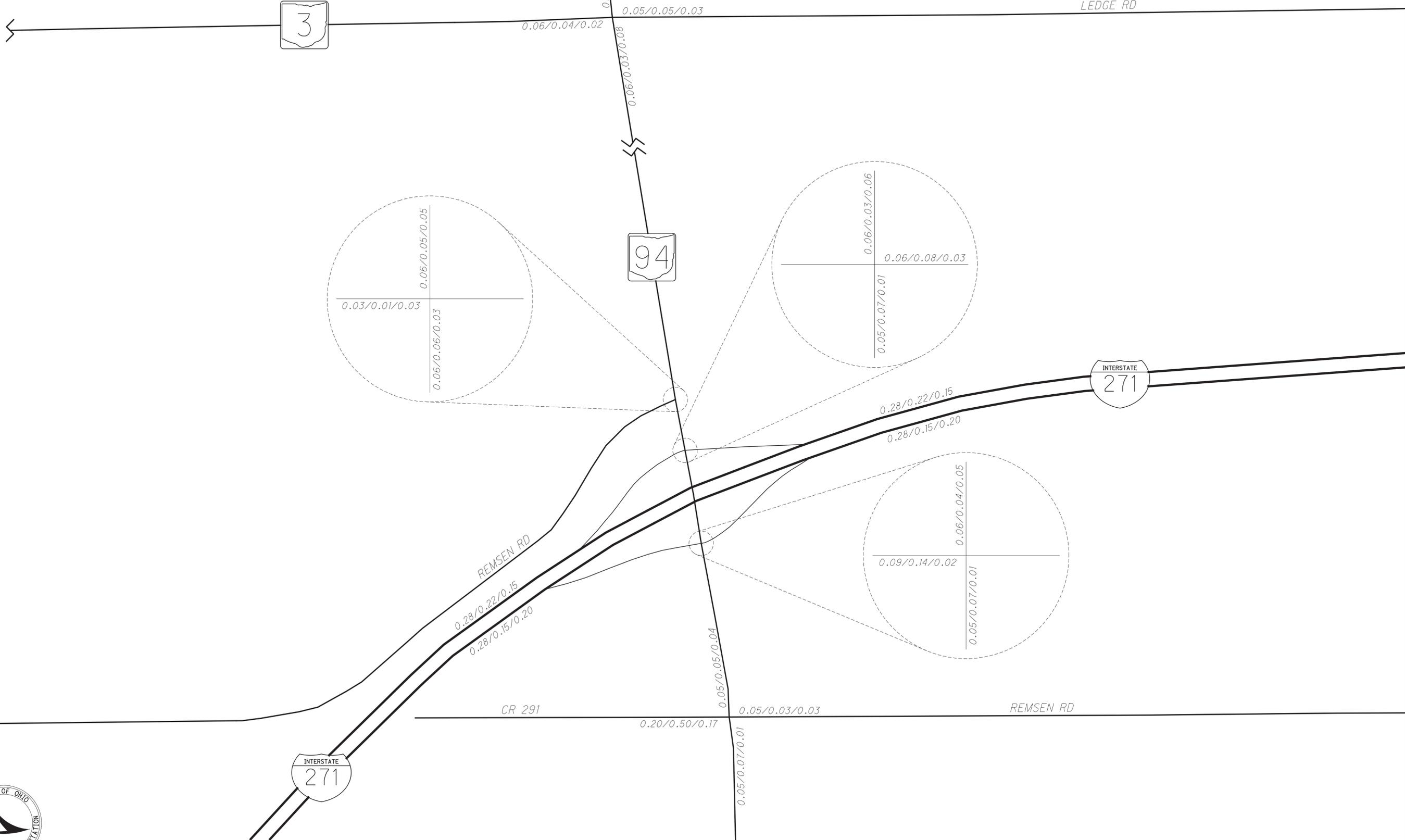
ANALYST  
PBW  
DATE  
10/24/23

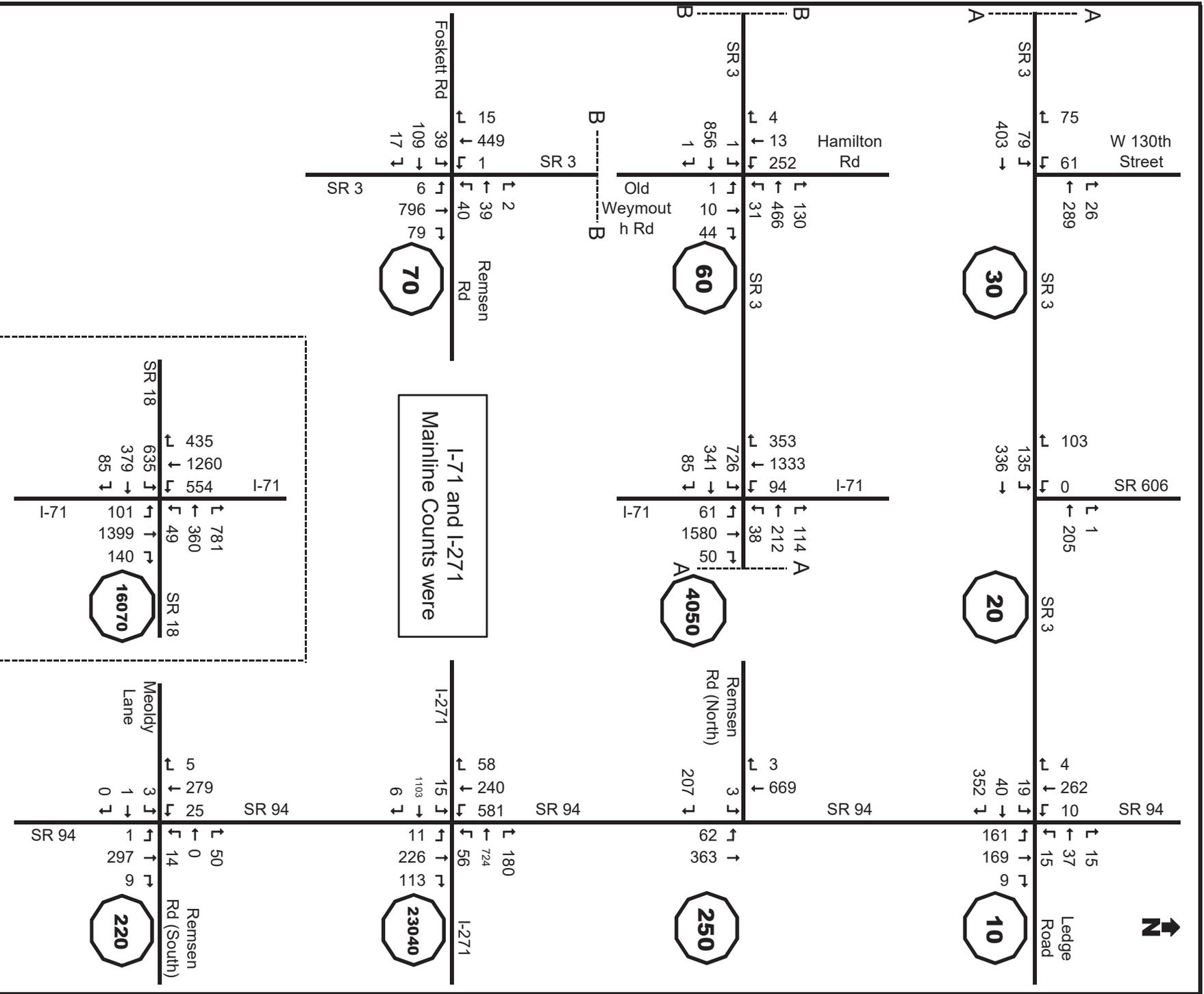
MED-71-271 T24/ AM TD/ PM TD NO BUILD  
PLANNING STUDY

PID 117028

12  
12

S:\2023 Projects\841801 - ADR - IR 71 & IR 271 Planning Study\Maps-Plans-Drawings\StandardDesignTrafficTemplate-(1).dgn Sheet 10/24/2023 5:06:14 PM pwilson





**MED-71/271 (PID 117028)**

**COUNT MEMO**

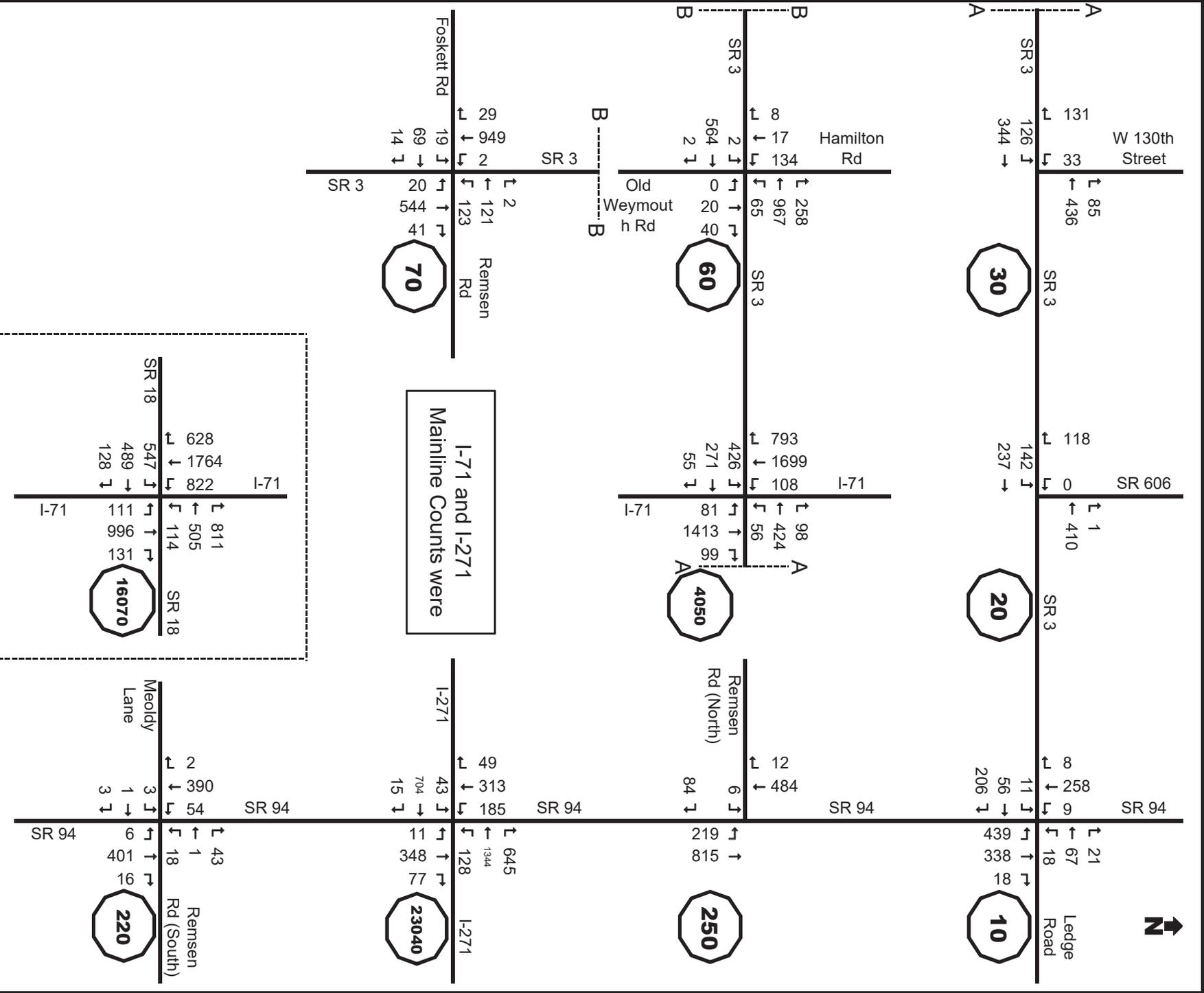
PREPARED BY: SMART

10/2023

**FIGURE A1**

COUNTED (2022) - AM PEAK

MED-71/271 (PID 117028) Count Memo -



I-71 and I-271  
Mainline Counts were

**MED-71/271 (PID 117028)**

**COUNT MEMO**



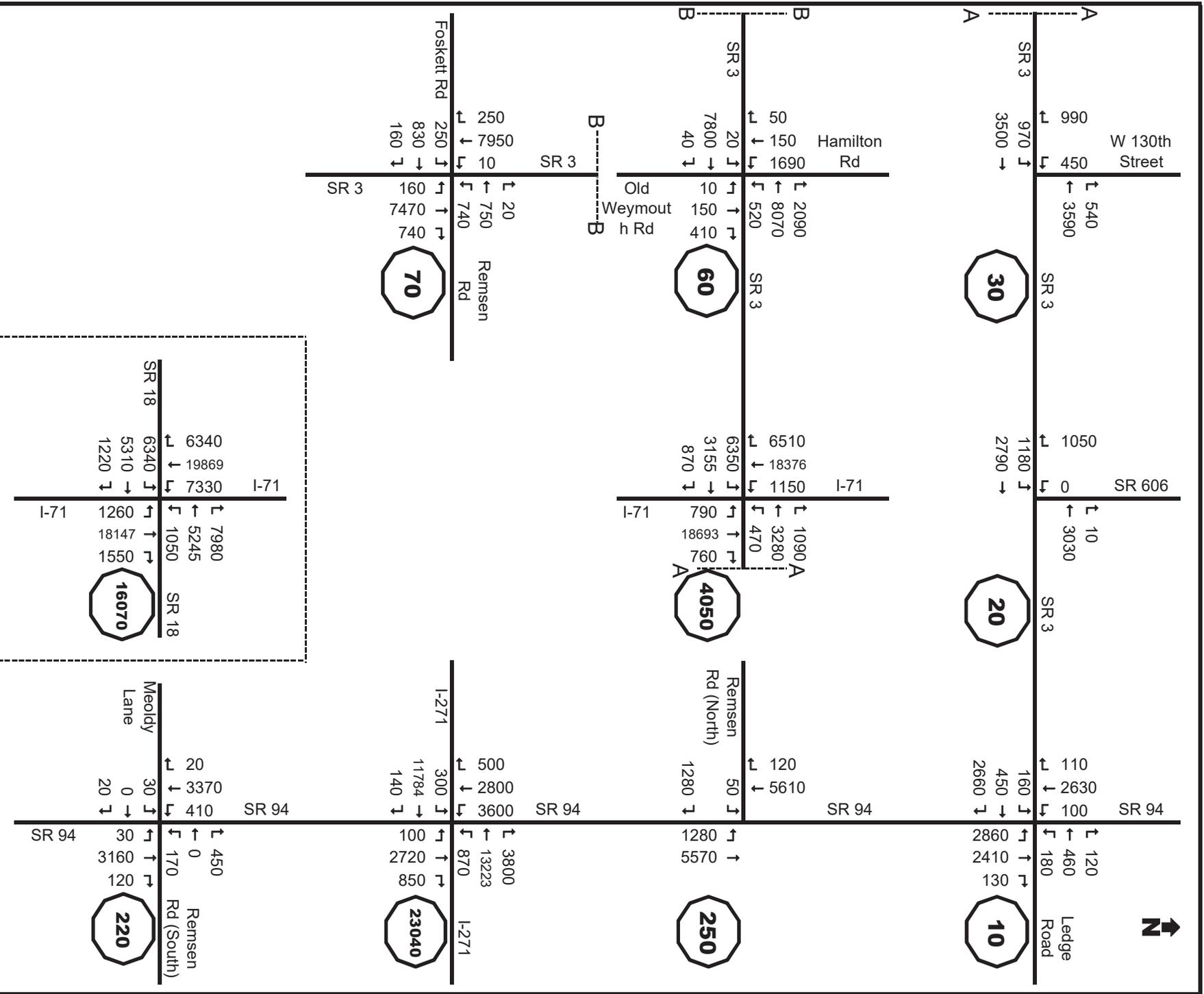
PREPARED BY:

10/2023

**FIGURE A2**

COUNTED (2022) - PM PEAK

MED-71/271 (PID 117028) Count Memo -



**MED-71/271 (PID 117028)**

**COUNT MEMO**

PREPARED BY: SMART

10/2023

**FIGURE A3**

COUNTED (2022) - DAILY

MED-71/271 (PID 117028) Count Memo -

**SR 94 (Ridge Rd.) & SR 3 (Ledge Rd.) - TMC**

The Sep 20, 2022

Full Length (6 AM-10 AM, 3 PM-7 PM)

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks)

All Movements

ID: 991748, Location: 41.201848, -81.744986



Provided by: Loukas Engineering  
232 19th St. NW, Canton, OH, 44709, US

Leg	SR 94/SR 3 (Ridge Rd.)					Ledge Rd.					SR 94 (Ridge Rd.)					SR 3 (Ledge Rd.)						
	Southbound					Westbound					Northbound					Eastbound						
Direction	R	T	L	U	App	R	T	L	U	App	R	T	L	U	App	R	T	L	U	App	Int	
Time	2022-09-20 6:00AM																					
	1	26	0	0	27	1	4	1	0	6	0	13	10	0	23	50	2	2	0	54	110	
6:15AM	0	34	1	0	35	0	1	3	0	4	0	19	16	0	35	55	1	0	0	56	130	
6:30AM	3	38	2	0	43	0	6	6	0	12	0	29	28	0	57	59	3	2	0	64	176	
6:45AM	3	74	1	0	78	2	9	3	0	14	0	24	29	0	53	69	1	4	0	74	219	
Hourly Total	7	172	4	0	183	3	20	13	0	36	0	85	83	0	168	233	7	8	0	248	635	
7:00AM	1	100	3	0	104	1	8	8	0	17	0	25	35	0	60	112	5	3	0	120	301	
7:15AM	1	85	3	0	89	4	8	2	0	14	1	41	34	0	76	91	4	11	0	106	285	
7:30AM	0	61	3	0	64	4	10	2	0	16	3	40	42	0	85	105	15	3	0	123	288	
7:45AM	2	71	0	0	73	3	11	5	0	19	3	37	44	0	84	84	10	2	0	96	272	
Hourly Total	4	317	9	0	330	12	37	17	0	66	7	143	155	0	305	392	34	19	0	445	1146	
8:00AM	1	45	4	0	50	4	8	6	0	18	2	51	41	0	94	72	11	3	0	86	248	
8:15AM	0	57	3	0	60	2	8	2	0	12	2	32	39	0	73	78	11	5	0	94	239	
8:30AM	1	43	3	0	47	1	11	4	0	16	2	41	47	0	90	61	4	5	0	70	223	
8:45AM	5	47	2	0	54	3	8	1	0	12	1	34	39	0	74	46	7	1	0	54	194	
Hourly Total	7	192	12	0	211	10	35	13	0	58	7	158	166	0	331	257	33	14	0	304	904	
9:00AM	3	39	1	0	43	1	6	5	0	12	2	32	35	0	69	58	7	1	0	66	190	
9:15AM	3	33	2	0	38	1	3	3	0	7	0	30	22	0	52	49	6	3	0	58	155	
9:30AM	0	41	0	0	41	0	11	4	0	15	2	23	16	0	41	33	6	2	0	41	138	
9:45AM	1	35	1	0	37	1	4	6	0	11	1	21	35	0	57	39	9	3	0	51	156	
Hourly Total	7	148	4	0	159	3	24	18	0	45	5	106	108	0	219	179	28	9	0	216	639	
3:00PM	2	41	0	0	43	0	6	4	0	10	6	49	58	0	113	40	13	8	0	61	227	
3:15PM	1	49	2	0	52	1	10	0	0	11	4	53	69	0	126	28	6	3	0	37	226	
3:30PM	6	46	3	0	55	2	11	3	0	16	7	58	65	0	130	31	13	1	0	45	246	
3:45PM	3	48	4	0	55	2	10	5	0	17	4	57	87	0	148	36	15	2	0	53	273	
Hourly Total	12	184	9	0	205	5	37	12	0	54	21	217	279	0	517	135	47	14	0	196	972	
4:00PM	5	52	2	0	59	4	8	3	0	15	1	59	87	0	147	46	10	5	0	61	282	
4:15PM	7	72	5	0	84	5	15	5	0	25	2	64	80	0	146	54	12	2	1	69	324	
4:30PM	1	73	2	0	76	4	15	5	0	24	2	80	104	0	186	47	14	6	1	68	354	
4:45PM	0	65	2	0	67	5	20	4	0	29	4	83	104	0	191	43	12	3	0	58	345	
Hourly Total	13	262	11	0	286	18	58	17	0	93	9	286	375	0	670	190	48	16	2	256	1305	
5:00PM	3	50	2	0	55	3	9	6	0	18	5	86	100	0	191	61	14	2	0	77	341	
5:15PM	2	79	2	0	83	8	22	4	0	34	3	83	125	0	211	48	15	3	0	66	394	
5:30PM	3	62	3	0	68	5	16	4	0	25	6	86	110	0	202	54	15	3	0	72	367	
5:45PM	3	47	3	0	53	2	11	4	0	17	7	82	87	0	176	38	8	2	0	48	294	
Hourly Total	11	238	10	0	259	18	58	18	0	94	21	337	422	0	780	201	52	10	0	263	1396	
6:00PM	1	38	2	0	41	3	10	1	0	14	3	58	68	0	129	39	14	3	0	56	240	
6:15PM	4	45	3	0	52	3	17	4	0	24	2	56	68	0	126	28	17	2	0	47	249	
6:30PM	2	47	3	0	52	2	2	0	0	4	1	53	76	0	130	22	8	5	0	35	221	
6:45PM	1	48	1	0	50	2	6	4	0	12	3	49	38	0	90	27	7	2	0	36	188	
Hourly Total	8	178	9	0	195	10	35	9	0	54	9	216	250	0	475	116	46	12	0	174	898	
Total	69	1691	68	0	1828	79	304	117	0	500	79	1548	1838	0	3465	1703	295	102	2	2102	7895	
% Approach	3.8%	92.5%	3.7%	0%	-	15.8%	60.8%	23.4%	0%	-	2.3%	44.7%	53.0%	0%	-	81.0%	14.0%	4.9%	0.1%	-	-	
% Total	0.9%	21.4%	0.9%	0%	23.2%	1.0%	3.9%	1.5%	0%	6.3%	1.0%	19.6%	23.3%	0%	43.9%	21.6%	3.7%	1.3%	0%	26.6%	-	
Lights	65	1617	68	0	1750	75	294	112	0	481	69	1474	1742	0	3285	1611	288	98	0	1997	7513	
% Lights	94.2%	95.6%	100%	0%	95.7%	94.9%	96.7%	95.7%	0%	96.2%	87.3%	95.2%	94.8%	0%	94.8%	94.6%	97.6%	96.1%	0%	95.0%	95.2%	
Articulated Trucks	0	18	0	0	18	0	1	0	0	1	0	21	37	0	58	38	1	0	1	40	117	
% Articulated Trucks	0%	1.1%	0%	0%	1.0%	0%	0.3%	0%	0%	0.2%	0%	1.4%	2.0%	0%	1.7%	2.2%	0.3%	0%	50.0%	1.9%	1.5%	
Buses and Single-Unit Trucks	4	56	0	0	60	4	9	5	0	18	10	53	59	0	122	54	6	4	1	65	265	
% Buses and Single-Unit Trucks	5.8%	3.3%	0%	0%	3.3%	5.1%	3.0%	4.3%	0%	3.6%	12.7%	3.4%	3.2%	0%	3.5%	3.2%	2.0%	3.9%	50.0%	3.1%	3.4%	

\*T: Left, R: Right, T: Thru, U: U-Turn

**SR 94 (Ridge Rd.) & SR 3 (Ledge Rd.) - TMC**

Tue Sep 20, 2022

AM Peak (7 AM - 8 AM)

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks)

All Movements

ID: 991748, Location: 41.201848, -81.744986

232 19th St. NW, Canton, OH, 44709, US  
 Provided by: Loukas Engineering



Leg	SR 94/SR 3 (Ridge Rd.)					Ledge Rd.					SR 94 (Ridge Rd.)					SR 3 (Ledge Rd.)						
	Southbound					Westbound					Northbound					Eastbound						
Direction	R	T	L	U	App	R	T	L	U	App	R	T	L	U	App	R	T	L	U	App	Int	
Time	2022-09-20 7:00AM																					
	1	100	3	0	<b>104</b>	1	8	8	0	<b>17</b>	0	25	35	0	<b>60</b>	112	5	3	0	<b>120</b>	<b>301</b>	
7:15AM	1	85	3	0	<b>89</b>	4	8	2	0	<b>14</b>	1	41	34	0	<b>76</b>	91	4	11	0	<b>106</b>	<b>285</b>	
7:30AM	0	61	3	0	<b>64</b>	4	10	2	0	<b>16</b>	3	40	42	0	<b>85</b>	105	15	3	0	<b>123</b>	<b>288</b>	
7:45AM	2	71	0	0	<b>73</b>	3	11	5	0	<b>19</b>	3	37	44	0	<b>84</b>	84	10	2	0	<b>96</b>	<b>272</b>	
<b>Total</b>	4	317	9	0	<b>330</b>	12	37	17	0	<b>66</b>	7	143	155	0	<b>305</b>	392	34	19	0	<b>445</b>	<b>1146</b>	
<b>% Approach</b>	1.2%	96.1%	2.7%	0%	-	18.2%	56.1%	25.8%	0%	-	2.3%	46.9%	50.8%	0%	-	88.1%	7.6%	4.3%	0%	-	-	
<b>% Total</b>	0.3%	27.7%	0.8%	0%	<b>28.8%</b>	1.0%	3.2%	1.5%	0%	<b>5.8%</b>	0.6%	12.5%	13.5%	0%	<b>26.6%</b>	34.2%	3.0%	1.7%	0%	<b>38.8%</b>	-	
<b>PHF</b>	0.500	0.793	0.750	-	<b>0.793</b>	0.750	0.841	0.531	-	<b>0.868</b>	0.583	0.872	0.881	-	<b>0.897</b>	0.875	0.567	0.432	-	<b>0.904</b>	0.952	
<b>Lights</b>	4	310	9	0	<b>323</b>	11	36	17	0	<b>64</b>	3	132	144	0	<b>279</b>	377	34	18	0	<b>429</b>	1095	
<b>% Lights</b>	100%	97.8%	100%	0%	<b>97.9%</b>	91.7%	97.3%	100%	0%	<b>97.0%</b>	42.9%	92.3%	92.9%	0%	<b>91.5%</b>	96.2%	100%	94.7%	0%	<b>96.4%</b>	95.5%	
<b>Articulated Trucks</b>	0	1	0	0	<b>1</b>	0	1	0	0	<b>1</b>	0	1	4	0	<b>5</b>	5	0	0	0	<b>5</b>	12	
<b>% Articulated Trucks</b>	0%	0.3%	0%	0%	<b>0.3%</b>	0%	2.7%	0%	0%	<b>1.5%</b>	0%	0.7%	2.6%	0%	<b>1.6%</b>	1.3%	0%	0%	0%	<b>1.1%</b>	1.0%	
<b>Buses and Single-Unit Trucks</b>	0	6	0	0	<b>6</b>	1	0	0	0	<b>1</b>	4	10	7	0	<b>21</b>	10	0	1	0	<b>11</b>	39	
<b>% Buses and Single-Unit Trucks</b>	0%	1.9%	0%	0%	<b>1.8%</b>	8.3%	0%	0%	0%	<b>1.5%</b>	57.1%	7.0%	4.5%	0%	<b>6.9%</b>	2.6%	0%	5.3%	0%	<b>2.5%</b>	3.4%	

\*L: Left, R: Right, T: Thru, U: U-Turn

**SR 94 (Ridge Rd.) & SR 3 (Ledge Rd.) - TMC**

Tue Sep 20, 2022

PM Peak (4:45 PM - 5:45 PM) - Overall Peak Hour

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks)

All Movements

ID: 991748, Location: 41.201848, -81.744986

232 19th St. NW, Canton, OH, 44709, US



Provided by: Loukas Engineering

Leg Direction	SR 94/SR 3 (Ridge Rd.) Southbound					Ledge Rd. Westbound					SR 94 (Ridge Rd.) Northbound					SR 3 (Ledge Rd.) Eastbound					
	R	T	L	U	App	R	T	L	U	App	R	T	L	U	App	R	T	L	U	App	Int
2022-09-20 4:45PM	0	65	2	0	67	5	20	4	0	29	4	83	104	0	191	43	12	3	0	58	345
5:00PM	3	50	2	0	55	3	9	6	0	18	5	86	100	0	191	61	14	2	0	77	341
5:15PM	2	79	2	0	83	8	22	4	0	34	3	83	125	0	211	48	15	3	0	66	394
5:30PM	3	62	3	0	68	5	16	4	0	25	6	86	110	0	202	54	15	3	0	72	367
<b>Total</b>	8	256	9	0	273	21	67	18	0	106	18	338	439	0	795	206	56	11	0	273	1447
<b>% Approach</b>	2.9%	93.8%	3.3%	0%	-	19.8%	63.2%	17.0%	0%	-	2.3%	42.5%	55.2%	0%	-	75.5%	20.5%	4.0%	0%	-	-
<b>% Total</b>	0.6%	17.7%	0.6%	0%	18.9%	1.5%	4.6%	1.2%	0%	7.3%	1.2%	23.4%	30.3%	0%	54.9%	14.2%	3.9%	0.8%	0%	18.9%	-
<b>PHF</b>	0.667	0.810	0.750	-	0.822	0.656	0.761	0.750	-	0.779	0.750	0.983	0.878	-	0.942	0.844	0.933	0.917	-	0.886	0.918
<b>Lights</b>	8	247	9	0	264	21	66	16	0	103	18	330	426	0	774	194	56	11	0	261	1402
<b>% Lights</b>	100%	96.5%	100%	0%	96.7%	100%	98.5%	88.9%	0%	97.2%	100%	97.6%	97.0%	0%	97.4%	94.2%	100%	100%	0%	95.6%	96.9%
<b>Articulated Trucks</b>	0	4	0	0	4	0	0	0	0	0	0	3	7	0	10	7	0	0	0	7	21
<b>% Articulated Trucks</b>	0%	1.6%	0%	0%	1.5%	0%	0%	0%	0%	0%	0%	0.9%	1.6%	0%	1.3%	3.4%	0%	0%	0%	2.6%	1.5%
<b>Buses and Single-Unit Trucks</b>	0	5	0	0	5	0	1	2	0	3	0	5	6	0	11	5	0	0	0	5	24
<b>% Buses and Single-Unit Trucks</b>	0%	2.0%	0%	0%	1.8%	0%	1.5%	11.1%	0%	2.8%	0%	1.5%	1.4%	0%	1.4%	2.4%	0%	0%	0%	1.8%	1.7%

\*L: Left, R: Right, T: Thru, U: U-Turn