

# Cosgray Rd. & Parkmeadow Ln./Bell Haven - TMC

Tue Jan 23, 2018

Full Length (6AM-7PM)

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Road)

All Movements

ID: 488747, Location: 40.037969, -83.179207



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

| Leg Direction | Cosgray Rd. Southbound |     |   |   |     |      | Bell Haven Westbound |   |    |   |     |      | Cosgray Rd. Northbound |     |    |   |     |      | Parkmeadow Ln. Eastbound |   |    |   |     |      |      |
|---------------|------------------------|-----|---|---|-----|------|----------------------|---|----|---|-----|------|------------------------|-----|----|---|-----|------|--------------------------|---|----|---|-----|------|------|
| Time          | R                      | T   | L | U | App | Ped* | R                    | T | L  | U | App | Ped* | R                      | T   | L  | U | App | Ped* | R                        | T | L  | U | App | Ped* | Int  |
| 2018-01-23    |                        |     |   |   |     |      |                      |   |    |   |     |      |                        |     |    |   |     |      |                          |   |    |   |     |      |      |
| 6:00AM        | 0                      | 21  | 0 | 0 | 21  | 0    | 0                    | 0 | 1  | 0 | 1   | 0    | 0                      | 36  | 4  | 0 | 40  | 0    | 6                        | 0 | 1  | 0 | 7   | 0    | 69   |
| 6:15AM        | 1                      | 14  | 0 | 0 | 15  | 0    | 0                    | 0 | 2  | 0 | 2   | 0    | 0                      | 45  | 1  | 0 | 46  | 0    | 6                        | 0 | 1  | 0 | 7   | 0    | 70   |
| 6:30AM        | 0                      | 37  | 0 | 0 | 37  | 0    | 0                    | 0 | 1  | 0 | 1   | 0    | 0                      | 86  | 3  | 0 | 89  | 0    | 11                       | 0 | 0  | 0 | 11  | 0    | 138  |
| 6:45AM        | 2                      | 60  | 0 | 0 | 62  | 0    | 1                    | 0 | 1  | 0 | 2   | 0    | 0                      | 111 | 9  | 0 | 120 | 0    | 9                        | 0 | 2  | 0 | 11  | 0    | 195  |
| Hourly Total  | 3                      | 132 | 0 | 0 | 135 | 0    | 1                    | 0 | 5  | 0 | 6   | 0    | 0                      | 278 | 17 | 0 | 295 | 0    | 32                       | 0 | 4  | 0 | 36  | 0    | 472  |
| 7:00AM        | 3                      | 113 | 0 | 0 | 116 | 0    | 0                    | 0 | 6  | 0 | 6   | 0    | 1                      | 103 | 10 | 0 | 114 | 0    | 14                       | 0 | 6  | 0 | 20  | 0    | 256  |
| 7:15AM        | 0                      | 128 | 0 | 0 | 128 | 0    | 1                    | 0 | 4  | 0 | 5   | 0    | 0                      | 137 | 13 | 0 | 150 | 0    | 25                       | 1 | 7  | 0 | 33  | 0    | 316  |
| 7:30AM        | 1                      | 95  | 2 | 0 | 98  | 0    | 1                    | 0 | 4  | 0 | 5   | 0    | 1                      | 160 | 0  | 0 | 161 | 0    | 11                       | 0 | 1  | 0 | 12  | 0    | 276  |
| 7:45AM        | 1                      | 102 | 0 | 0 | 103 | 0    | 2                    | 0 | 1  | 0 | 3   | 0    | 0                      | 171 | 15 | 0 | 186 | 0    | 11                       | 0 | 2  | 0 | 13  | 0    | 305  |
| Hourly Total  | 5                      | 438 | 2 | 0 | 445 | 0    | 4                    | 0 | 15 | 0 | 19  | 0    | 2                      | 571 | 38 | 0 | 611 | 0    | 61                       | 1 | 16 | 0 | 78  | 0    | 1153 |
| 8:00AM        | 2                      | 109 | 1 | 0 | 112 | 0    | 0                    | 0 | 1  | 0 | 1   | 0    | 1                      | 131 | 11 | 0 | 143 | 0    | 15                       | 0 | 2  | 0 | 17  | 0    | 273  |
| 8:15AM        | 1                      | 100 | 0 | 0 | 101 | 0    | 1                    | 0 | 2  | 0 | 3   | 0    | 2                      | 105 | 5  | 0 | 112 | 0    | 11                       | 0 | 4  | 0 | 15  | 0    | 231  |
| 8:30AM        | 6                      | 93  | 0 | 0 | 99  | 0    | 0                    | 1 | 3  | 0 | 4   | 0    | 1                      | 116 | 6  | 0 | 123 | 0    | 11                       | 1 | 6  | 0 | 18  | 0    | 244  |
| 8:45AM        | 3                      | 74  | 0 | 0 | 77  | 0    | 3                    | 0 | 0  | 0 | 3   | 0    | 1                      | 104 | 9  | 0 | 114 | 0    | 10                       | 0 | 2  | 0 | 12  | 0    | 206  |
| Hourly Total  | 12                     | 376 | 1 | 0 | 389 | 0    | 4                    | 1 | 6  | 0 | 11  | 0    | 5                      | 456 | 31 | 0 | 492 | 0    | 47                       | 1 | 14 | 0 | 62  | 0    | 954  |
| 9:00AM        | 0                      | 58  | 2 | 0 | 60  | 0    | 0                    | 0 | 4  | 0 | 4   | 0    | 3                      | 108 | 10 | 0 | 121 | 0    | 6                        | 0 | 5  | 0 | 11  | 0    | 196  |
| 9:15AM        | 2                      | 45  | 0 | 0 | 47  | 0    | 1                    | 1 | 2  | 0 | 4   | 0    | 2                      | 84  | 11 | 0 | 97  | 0    | 7                        | 0 | 1  | 0 | 8   | 0    | 156  |
| 9:30AM        | 1                      | 43  | 1 | 0 | 45  | 0    | 1                    | 0 | 0  | 0 | 1   | 0    | 0                      | 85  | 5  | 0 | 90  | 0    | 8                        | 0 | 0  | 0 | 8   | 0    | 144  |
| 9:45AM        | 0                      | 51  | 0 | 0 | 51  | 0    | 1                    | 0 | 0  | 0 | 1   | 0    | 0                      | 48  | 1  | 0 | 49  | 0    | 4                        | 0 | 3  | 0 | 7   | 0    | 108  |
| Hourly Total  | 3                      | 197 | 3 | 0 | 203 | 0    | 3                    | 1 | 6  | 0 | 10  | 0    | 5                      | 325 | 27 | 0 | 357 | 0    | 25                       | 0 | 9  | 0 | 34  | 0    | 604  |
| 10:00AM       | 0                      | 53  | 1 | 0 | 54  | 0    | 0                    | 0 | 0  | 0 | 0   | 0    | 1                      | 50  | 2  | 0 | 53  | 0    | 3                        | 0 | 2  | 0 | 5   | 0    | 112  |
| 10:15AM       | 0                      | 46  | 0 | 0 | 46  | 0    | 1                    | 0 | 2  | 0 | 3   | 0    | 0                      | 60  | 4  | 0 | 64  | 0    | 4                        | 0 | 4  | 0 | 8   | 0    | 121  |
| 10:30AM       | 0                      | 52  | 0 | 0 | 52  | 0    | 2                    | 0 | 3  | 0 | 5   | 0    | 0                      | 54  | 4  | 0 | 58  | 0    | 3                        | 0 | 0  | 0 | 3   | 0    | 118  |
| 10:45AM       | 2                      | 51  | 0 | 0 | 53  | 0    | 0                    | 0 | 1  | 0 | 1   | 0    | 1                      | 50  | 3  | 0 | 54  | 0    | 3                        | 1 | 0  | 0 | 4   | 0    | 112  |
| Hourly Total  | 2                      | 202 | 1 | 0 | 205 | 0    | 3                    | 0 | 6  | 0 | 9   | 0    | 2                      | 214 | 13 | 0 | 229 | 0    | 13                       | 1 | 6  | 0 | 20  | 0    | 463  |
| 11:00AM       | 1                      | 56  | 2 | 0 | 59  | 0    | 0                    | 1 | 3  | 0 | 4   | 0    | 3                      | 46  | 5  | 0 | 54  | 0    | 4                        | 0 | 2  | 0 | 6   | 0    | 123  |
| 11:15AM       | 0                      | 65  | 1 | 0 | 66  | 0    | 0                    | 0 | 2  | 0 | 2   | 0    | 3                      | 51  | 5  | 0 | 59  | 0    | 6                        | 0 | 2  | 0 | 8   | 0    | 135  |
| 11:30AM       | 1                      | 76  | 0 | 0 | 77  | 0    | 1                    | 0 | 2  | 0 | 3   | 0    | 1                      | 58  | 4  | 0 | 63  | 0    | 3                        | 0 | 0  | 0 | 3   | 0    | 146  |
| 11:45AM       | 2                      | 60  | 0 | 0 | 62  | 1    | 0                    | 0 | 1  | 0 | 1   | 0    | 4                      | 62  | 3  | 0 | 69  | 0    | 5                        | 0 | 0  | 0 | 5   | 0    | 137  |
| Hourly Total  | 4                      | 257 | 3 | 0 | 264 | 1    | 1                    | 1 | 8  | 0 | 10  | 0    | 11                     | 217 | 17 | 0 | 245 | 0    | 18                       | 0 | 4  | 0 | 22  | 0    | 541  |
| 12:00PM       | 0                      | 58  | 1 | 0 | 59  | 0    | 0                    | 0 | 1  | 0 | 1   | 0    | 1                      | 45  | 5  | 0 | 51  | 0    | 6                        | 0 | 1  | 0 | 7   | 0    | 118  |
| 12:15PM       | 2                      | 50  | 0 | 0 | 52  | 0    | 0                    | 0 | 2  | 0 | 2   | 0    | 4                      | 48  | 4  | 0 | 56  | 0    | 4                        | 0 | 1  | 0 | 5   | 0    | 115  |
| 12:30PM       | 2                      | 75  | 0 | 0 | 77  | 0    | 1                    | 0 | 1  | 0 | 2   | 0    | 1                      | 52  | 7  | 0 | 60  | 0    | 9                        | 0 | 1  | 0 | 10  | 0    | 149  |
| 12:45PM       | 0                      | 53  | 2 | 0 | 55  | 0    | 0                    | 0 | 2  | 0 | 2   | 0    | 4                      | 50  | 4  | 0 | 58  | 0    | 4                        | 0 | 1  | 0 | 5   | 0    | 120  |
| Hourly Total  | 4                      | 236 | 3 | 0 | 243 | 0    | 1                    | 0 | 6  | 0 | 7   | 0    | 10                     | 195 | 20 | 0 | 225 | 0    | 23                       | 0 | 4  | 0 | 27  | 0    | 502  |
| 1:00PM        | 0                      | 52  | 3 | 0 | 55  | 0    | 0                    | 0 | 3  | 0 | 3   | 0    | 1                      | 63  | 3  | 0 | 67  | 0    | 7                        | 0 | 0  | 0 | 7   | 1    | 132  |
| 1:15PM        | 0                      | 72  | 1 | 0 | 73  | 0    | 0                    | 0 | 2  | 0 | 2   | 0    | 1                      | 57  | 3  | 0 | 61  | 0    | 6                        | 1 | 0  | 0 | 7   | 0    | 143  |
| 1:30PM        | 1                      | 50  | 0 | 0 | 51  | 0    | 0                    | 0 | 0  | 0 | 0   | 0    | 1                      | 47  | 6  | 0 | 54  | 0    | 5                        | 0 | 0  | 0 | 5   | 0    | 110  |
| 1:45PM        | 2                      | 65  | 1 | 0 | 68  | 0    | 1                    | 0 | 0  | 0 | 1   | 0    | 1                      | 54  | 9  | 0 | 64  | 0    | 7                        | 0 | 2  | 0 | 9   | 0    | 142  |
| Hourly Total  | 3                      | 239 | 5 | 0 | 247 | 0    | 1                    | 0 | 5  | 0 | 6   | 0    | 4                      | 221 | 21 | 0 | 246 | 0    | 25                       | 1 | 2  | 0 | 28  | 1    | 527  |
| 2:00PM        | 1                      | 56  | 1 | 0 | 58  | 0    | 0                    | 0 | 0  | 0 | 0   | 0    | 2                      | 49  | 12 | 0 | 63  | 0    | 4                        | 0 | 0  | 0 | 4   | 0    | 125  |
| 2:15PM        | 1                      | 66  | 0 | 0 | 67  | 0    | 0                    | 0 | 1  | 0 | 1   | 0    | 1                      | 53  | 6  | 0 | 60  | 0    | 3                        | 0 | 1  | 0 | 4   | 0    | 132  |
| 2:30PM        | 0                      | 75  | 0 | 0 | 75  | 0    | 0                    | 0 | 0  | 0 | 0   | 0    | 2                      | 58  | 12 | 0 | 72  | 0    | 6                        | 0 | 3  | 0 | 9   | 0    | 156  |
| 2:45PM        | 0                      | 59  | 0 | 0 | 59  | 3    | 0                    | 0 | 0  | 0 | 0   | 0    | 3                      | 61  | 10 | 0 | 74  | 0    | 4                        | 0 | 3  | 0 | 7   | 0    | 140  |
| Hourly Total  | 2                      | 256 | 1 | 0 | 259 | 3    | 0                    | 0 | 1  | 0 | 1   | 0    | 8                      | 221 | 40 | 0 | 269 | 0    | 17                       | 0 | 7  | 0 | 24  | 0    | 553  |
| 3:00PM        | 1                      | 86  | 1 | 0 | 88  | 0    | 0                    | 0 | 0  | 0 | 0   | 2    | 0                      | 79  | 15 | 0 | 94  | 0    | 8                        | 0 | 2  | 0 | 10  | 0    | 192  |
| 3:15PM        | 0                      | 80  | 1 | 0 | 81  | 0    | 0                    | 0 | 2  | 0 | 2   | 0    | 3                      | 86  | 6  | 0 | 95  | 0    | 7                        | 0 | 2  | 0 | 9   | 0    | 187  |
| 3:30PM        | 3                      | 100 | 1 | 0 | 104 | 0    | 1                    | 0 | 4  | 0 | 5   | 0    | 4                      | 82  | 12 | 0 | 98  | 0    | 8                        | 0 | 1  | 0 | 9   | 0    | 216  |
| 3:45PM        | 3                      | 113 | 0 | 0 | 116 | 0    | 1                    | 0 | 0  | 0 | 1   | 0    | 2                      | 91  | 14 | 0 | 107 | 0    | 8                        | 0 | 2  | 0 | 10  | 0    | 234  |
| Hourly Total  | 7                      | 379 | 3 | 0 | 389 | 0    | 2                    | 0 | 6  | 0 | 8   | 2    | 9                      | 338 | 47 | 0 | 394 | 0    | 31                       | 0 | 7  | 0 | 38  | 0    | 829  |
| 4:00PM        | 2                      | 145 | 3 | 0 | 150 | 1    | 0                    | 0 | 1  | 0 | 1   | 0    | 0                      | 102 | 13 | 0 | 115 | 0    | 9                        | 0 | 2  | 0 | 11  | 0    | 277  |
| 4:15PM        | 2                      | 169 | 2 | 0 | 173 | 0    | 1                    | 1 | 1  | 0 | 3   | 0    | 2                      | 92  | 11 | 0 | 105 | 0    | 13                       | 0 | 6  | 0 | 19  | 0    | 300  |
| 4:30PM        | 5                      | 182 | 2 | 0 | 189 | 0    | 0                    | 0 | 1  | 0 | 1   | 0    | 5                      | 116 | 13 | 0 | 134 | 0    | 12                       | 0 | 3  | 0 | 15  | 0    | 339  |
| 4:45PM        | 6                      | 197 | 1 | 0 | 204 | 0    | 0                    | 0 | 2  | 0 | 2   | 0    | 3                      | 112 | 13 | 0 | 128 | 0    | 11                       | 0 | 2  | 0 | 13  | 0    | 347  |
| Hourly Total  | 15                     | 693 | 8 | 0 | 716 | 1    | 1                    | 1 | 5  | 0 | 7   | 0    | 10                     | 422 | 50 | 0 | 482 | 0    | 45                       | 0 | 13 | 0 | 58  | 0    | 1263 |
| 5:00PM        | 7                      | 209 | 1 | 0 | 217 | 0    | 3                    | 0 | 0  | 0 | 3   | 0    | 2                      | 108 | 13 | 0 | 123 | 0    | 13                       | 1 | 4  | 0 | 18  | 0    | 361  |
| 5:15PM        | 1                      | 240 | 1 | 0 | 242 | 0    | 2                    | 1 | 0  | 0 | 3   | 0    | 2                      | 114 | 16 | 0 | 132 | 0    | 13                       | 0 | 4  | 0 | 17  | 0    | 394  |
|               |                        |     |   |   |     |      |                      |   |    |   |     |      |                        |     |    |   |     |      |                          |   |    |   |     |      |      |

| Leg Direction                  | Cosgray Rd. Southbound |       |       |    |       |      | Bell Haven Westbound |       |       |    |       |      | Cosgray Rd. Northbound |       |       |    |       |      | Parkmeadow Ln. Eastbound |       |       |    |       |      |       |
|--------------------------------|------------------------|-------|-------|----|-------|------|----------------------|-------|-------|----|-------|------|------------------------|-------|-------|----|-------|------|--------------------------|-------|-------|----|-------|------|-------|
| Time                           | R                      | T     | L     | U  | App   | Ped* | R                    | T     | L     | U  | App   | Ped* | R                      | T     | L     | U  | App   | Ped* | R                        | T     | L     | U  | App   | Ped* | Int   |
| Total                          | 81                     | 4866  | 36    | 0  | 4983  | 5    | 27                   | 6     | 76    | 0  | 109   | 2    | 82                     | 4326  | 423   | 0  | 4831  | 0    | 428                      | 5     | 106   | 0  | 539   | 1    | 10462 |
| % Approach                     | 1.6%                   | 97.7% | 0.7%  | 0% | -     | -    | 24.8%                | 5.5%  | 69.7% | 0% | -     | -    | 1.7%                   | 89.5% | 8.8%  | 0% | -     | -    | 79.4%                    | 0.9%  | 19.7% | 0% | -     | -    | -     |
| % Total                        | 0.8%                   | 46.5% | 0.3%  | 0% | 47.6% | -    | 0.3%                 | 0.1%  | 0.7%  | 0% | 1.0%  | -    | 0.8%                   | 41.3% | 4.0%  | 0% | 46.2% | -    | 4.1%                     | 0%    | 1.0%  | 0% | 5.2%  | -    | -     |
| Lights                         | 77                     | 4760  | 34    | 0  | 4871  | -    | 26                   | 4     | 76    | 0  | 106   | -    | 79                     | 4243  | 401   | 0  | 4723  | -    | 413                      | 3     | 100   | 0  | 516   | -    | 10216 |
| % Lights                       | 95.1%                  | 97.8% | 94.4% | 0% | 97.8% | -    | 96.3%                | 66.7% | 100%  | 0% | 97.2% | -    | 96.3%                  | 98.1% | 94.8% | 0% | 97.8% | -    | 96.5%                    | 60.0% | 94.3% | 0% | 95.7% | -    | 97.6% |
| Articulated Trucks             | 0                      | 13    | 0     | 0  | 13    | -    | 0                    | 0     | 0     | 0  | 0     | -    | 0                      | 5     | 0     | 0  | 5     | -    | 0                        | 0     | 0     | 0  | 0     | -    | 18    |
| % Articulated Trucks           | 0%                     | 0.3%  | 0%    | 0% | 0.3%  | -    | 0%                   | 0%    | 0%    | 0% | 0%    | -    | 0%                     | 0.1%  | 0%    | 0% | 0.1%  | -    | 0%                       | 0%    | 0%    | 0% | 0%    | -    | 0.2%  |
| Buses and Single-Unit Trucks   | 4                      | 93    | 2     | 0  | 99    | -    | 1                    | 1     | 0     | 0  | 2     | -    | 3                      | 78    | 22    | 0  | 103   | -    | 15                       | 1     | 6     | 0  | 22    | -    | 226   |
| % Buses and Single-Unit Trucks | 4.9%                   | 1.9%  | 5.6%  | 0% | 2.0%  | -    | 3.7%                 | 16.7% | 0%    | 0% | 1.8%  | -    | 3.7%                   | 1.8%  | 5.2%  | 0% | 2.1%  | -    | 3.5%                     | 20.0% | 5.7%  | 0% | 4.1%  | -    | 2.2%  |
| Bicycles on Road               | 0                      | 0     | 0     | 0  | 0     | -    | 0                    | 1     | 0     | 0  | 1     | -    | 0                      | 0     | 0     | 0  | 0     | -    | 0                        | 1     | 0     | 0  | 1     | -    | 2     |
| % Bicycles on Road             | 0%                     | 0%    | 0%    | 0% | 0%    | -    | 0%                   | 16.7% | 0%    | 0% | 0.9%  | -    | 0%                     | 0%    | 0%    | 0% | 0%    | -    | 0%                       | 20.0% | 0%    | 0% | 0.2%  | -    | 0%    |
| Pedestrians                    | -                      | -     | -     | -  | -     | 5    | -                    | -     | -     | -  | -     | 2    | -                      | -     | -     | -  | -     | 0    | -                        | -     | -     | -  | -     | 1    |       |
| % Pedestrians                  | -                      | -     | -     | -  | -     | 100% | -                    | -     | -     | -  | -     | 100% | -                      | -     | -     | -  | -     | -    | -                        | -     | -     | -  | -     | 100% |       |

\*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

# Cosgray Rd. & Parkmeadow Ln./Bell Haven - TMC

Tue Jan 23, 2018

Full Length (6AM-7PM)

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Road)

All Movements

ID: 488747, Location: 40.037969, -83.179207



**LOUKAS**

engineering

TRAFFIC DATA & CONSULTING

Provided by: Loukas Engineering

232 19th St. NW,

Canton, OH, 44709, US

[N] Cosgray Rd.

Total: 9442

In: 4983

Out: 4459

[W] Parkmeadow Ln.

Total: 1049

In: 539 Out: 510

106  
5  
428

1

27  
6  
76

Out: 123 In: 109

Total: 232

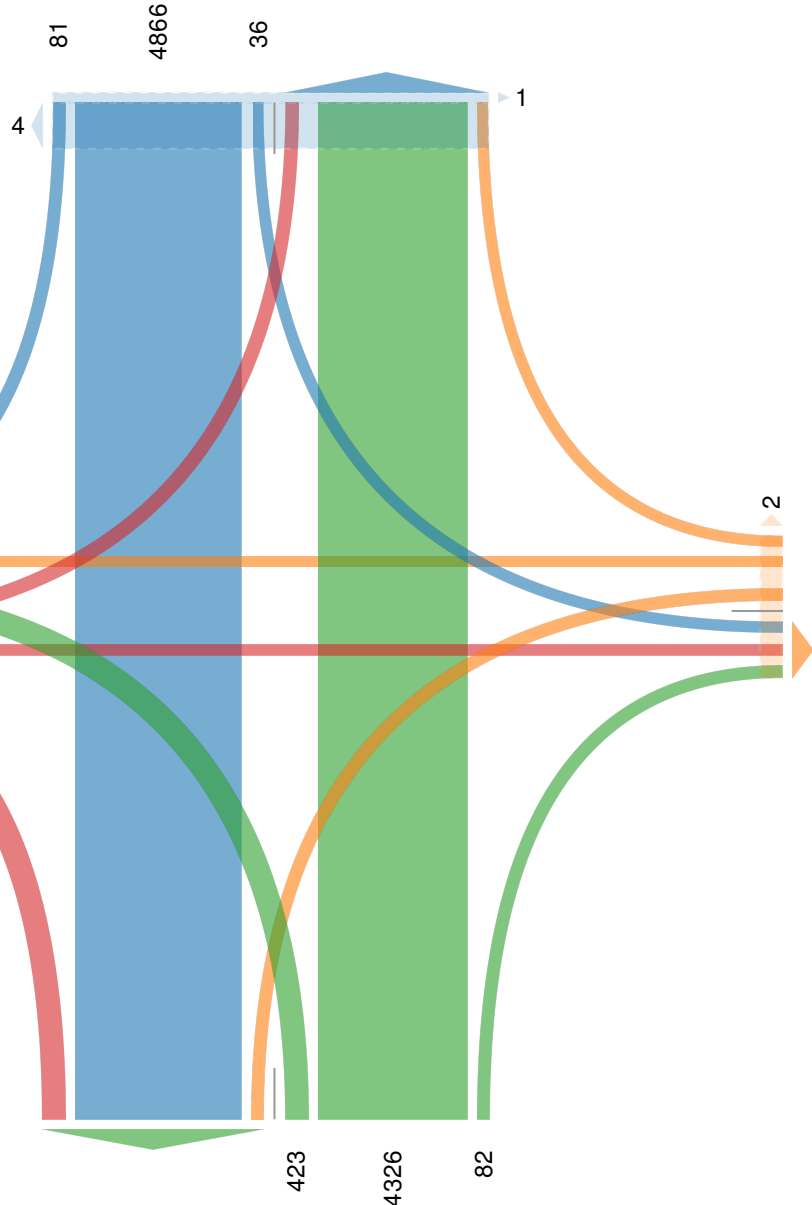
[E] Bell Haven

Out: 5370

In: 4831

Total: 10201

[S] Cosgray Rd.



# Cosgray Rd. & Parkmeadow Ln./Bell Haven - TMC

Tue Jan 23, 2018

AM Peak (7:15AM - 8:15AM)

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Road)

All Movements

ID: 488747, Location: 40.037969, -83.179207



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

| Leg Direction                         | Cosgray Rd. Southbound |       |       |    |       |      | Bell Haven Westbound |    |       |    |       |      | Cosgray Rd. Northbound |       |       |    |       |      | Parkmeadow Ln. Eastbound |       |       |    |       |      |       |
|---------------------------------------|------------------------|-------|-------|----|-------|------|----------------------|----|-------|----|-------|------|------------------------|-------|-------|----|-------|------|--------------------------|-------|-------|----|-------|------|-------|
| Time                                  | R                      | T     | L     | U  | App   | Ped* | R                    | T  | L     | U  | App   | Ped* | R                      | T     | L     | U  | App   | Ped* | R                        | T     | L     | U  | App   | Ped* | Int   |
| 2018-01-23 7:15AM                     | 0                      | 128   | 0     | 0  | 128   | 0    | 1                    | 0  | 4     | 0  | 5     | 0    | 0                      | 137   | 13    | 0  | 150   | 0    | 25                       | 1     | 7     | 0  | 33    | 0    | 316   |
| 7:30AM                                | 1                      | 95    | 2     | 0  | 98    | 0    | 1                    | 0  | 4     | 0  | 5     | 0    | 1                      | 160   | 0     | 0  | 161   | 0    | 11                       | 0     | 1     | 0  | 12    | 0    | 276   |
| 7:45AM                                | 1                      | 102   | 0     | 0  | 103   | 0    | 2                    | 0  | 1     | 0  | 3     | 0    | 0                      | 171   | 15    | 0  | 186   | 0    | 11                       | 0     | 2     | 0  | 13    | 0    | 305   |
| 8:00AM                                | 2                      | 109   | 1     | 0  | 112   | 0    | 0                    | 0  | 1     | 0  | 1     | 0    | 1                      | 131   | 11    | 0  | 143   | 0    | 15                       | 0     | 2     | 0  | 17    | 0    | 273   |
| <b>Total</b>                          | 4                      | 434   | 3     | 0  | 441   | 0    | 4                    | 0  | 10    | 0  | 14    | 0    | 2                      | 599   | 39    | 0  | 640   | 0    | 62                       | 1     | 12    | 0  | 75    | 0    | 1170  |
| <b>% Approach</b>                     | 0.9%                   | 98.4% | 0.7%  | 0% | -     | -    | 28.6%                | 0% | 71.4% | 0% | -     | -    | 0.3%                   | 93.6% | 6.1%  | 0% | -     | -    | 82.7%                    | 1.3%  | 16.0% | 0% | -     | -    | -     |
| <b>% Total</b>                        | 0.3%                   | 37.1% | 0.3%  | 0% | 37.7% | -    | 0.3%                 | 0% | 0.9%  | 0% | 1.2%  | -    | 0.2%                   | 51.2% | 3.3%  | 0% | 54.7% | -    | 5.3%                     | 0.1%  | 1.0%  | 0% | 6.4%  | -    | -     |
| <b>PHF</b>                            | 0.500                  | 0.848 | 0.375 | -  | 0.861 | -    | 0.500                | -  | 0.625 | -  | 0.700 | -    | 0.500                  | 0.876 | 0.650 | -  | 0.860 | -    | 0.620                    | 0.250 | 0.429 | -  | 0.568 | -    | 0.926 |
| <b>Lights</b>                         | 4                      | 424   | 3     | 0  | 431   | -    | 4                    | 0  | 10    | 0  | 14    | -    | 2                      | 594   | 36    | 0  | 632   | -    | 62                       | 0     | 12    | 0  | 74    | -    | 1151  |
| <b>% Lights</b>                       | 100%                   | 97.7% | 100%  | 0% | 97.7% | -    | 100%                 | 0% | 100%  | 0% | 100%  | -    | 100%                   | 99.2% | 92.3% | 0% | 98.8% | -    | 100%                     | 0%    | 100%  | 0% | 98.7% | -    | 98.4% |
| <b>Articulated Trucks</b>             | 0                      | 2     | 0     | 0  | 2     | -    | 0                    | 0  | 0     | 0  | 0     | -    | 0                      | 1     | 0     | 0  | 1     | -    | 0                        | 0     | 0     | 0  | 0     | -    | 3     |
| <b>% Articulated Trucks</b>           | 0%                     | 0.5%  | 0%    | 0% | 0.5%  | -    | 0%                   | 0% | 0%    | 0% | 0%    | -    | 0%                     | 0.2%  | 0%    | 0% | 0.2%  | -    | 0%                       | 0%    | 0%    | 0% | 0%    | -    | 0.3%  |
| <b>Buses and Single-Unit Trucks</b>   | 0                      | 8     | 0     | 0  | 8     | -    | 0                    | 0  | 0     | 0  | 0     | -    | 0                      | 4     | 3     | 0  | 7     | -    | 0                        | 0     | 0     | 0  | 0     | -    | 15    |
| <b>% Buses and Single-Unit Trucks</b> | 0%                     | 1.8%  | 0%    | 0% | 1.8%  | -    | 0%                   | 0% | 0%    | 0% | 0%    | -    | 0%                     | 0.7%  | 7.7%  | 0% | 1.1%  | -    | 0%                       | 0%    | 0%    | 0% | 0%    | -    | 1.3%  |
| <b>Bicycles on Road</b>               | 0                      | 0     | 0     | 0  | 0     | -    | 0                    | 0  | 0     | 0  | 0     | -    | 0                      | 0     | 0     | 0  | 0     | -    | 0                        | 1     | 0     | 0  | 1     | -    | 1     |
| <b>% Bicycles on Road</b>             | 0%                     | 0%    | 0%    | 0% | 0%    | -    | 0%                   | 0% | 0%    | 0% | 0%    | -    | 0%                     | 0%    | 0%    | 0% | 0%    | -    | 0%                       | 100%  | 0%    | 0% | 1.3%  | -    | 0.1%  |
| <b>Pedestrians</b>                    | -                      | -     | -     | -  | -     | 0    | -                    | -  | -     | -  | -     | 0    | -                      | -     | -     | -  | -     | 0    | -                        | -     | -     | -  | -     | 0    | -     |
| <b>% Pedestrians</b>                  | -                      | -     | -     | -  | -     | -    | -                    | -  | -     | -  | -     | -    | -                      | -     | -     | -  | -     | -    | -                        | -     | -     | -  | -     | -    | -     |

\* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

# **Cosgray Rd. & Parkmeadow Ln./Bell Haven - TMC**

Tue Jan 23, 2018

AM Peak (7:15AM - 8:15AM)

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Road)

All Movements

ID: 488747, Location: 40.037969, -83.179207



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Provided by: Loukas Engineering

232 19th St. NW,

Canton, OH, 44709, US

[N] Cosgray Rd.

Total: 1056

In: 441

Out: 615

4

434

3

[W] Parkmeadow Ln.

Total: 118

In: 75 Out: 43

12

1

62

4

10

Out: 6 In: 14

Total: 20

[E] Bell Haven

39

599

2

Out: 506

In: 640

Total: 1146

[S] Cosgray Rd.

# Cosgray Rd. & Parkmeadow Ln./Bell Haven - TMC

Tue Jan 23, 2018

Midday Peak (1:45PM - 2:45PM)

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Road)

All Movements

ID: 488747, Location: 40.037969, -83.179207



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

| Leg Direction                         | Cosgray Rd. Southbound |       |       |    |       |      | Bell Haven Westbound |    |       |    |       |      | Cosgray Rd. Northbound |       |       |    |       |      | Parkmeadow Ln. Eastbound |    |       |    |       |      |       |
|---------------------------------------|------------------------|-------|-------|----|-------|------|----------------------|----|-------|----|-------|------|------------------------|-------|-------|----|-------|------|--------------------------|----|-------|----|-------|------|-------|
| Time                                  | R                      | T     | L     | U  | App   | Ped* | R                    | T  | L     | U  | App   | Ped* | R                      | T     | L     | U  | App   | Ped* | R                        | T  | L     | U  | App   | Ped* | Int   |
| 2018-01-23 1:45PM                     | 2                      | 65    | 1     | 0  | 68    | 0    | 1                    | 0  | 0     | 0  | 1     | 0    | 1                      | 54    | 9     | 0  | 64    | 0    | 7                        | 0  | 2     | 0  | 9     | 0    | 142   |
| 2:00PM                                | 1                      | 56    | 1     | 0  | 58    | 0    | 0                    | 0  | 0     | 0  | 0     | 0    | 2                      | 49    | 12    | 0  | 63    | 0    | 4                        | 0  | 0     | 0  | 4     | 0    | 125   |
| 2:15PM                                | 1                      | 66    | 0     | 0  | 67    | 0    | 0                    | 0  | 1     | 0  | 1     | 0    | 1                      | 53    | 6     | 0  | 60    | 0    | 3                        | 0  | 1     | 0  | 4     | 0    | 132   |
| 2:30PM                                | 0                      | 75    | 0     | 0  | 75    | 0    | 0                    | 0  | 0     | 0  | 0     | 0    | 2                      | 58    | 12    | 0  | 72    | 0    | 6                        | 0  | 3     | 0  | 9     | 0    | 156   |
| <b>Total</b>                          | 4                      | 262   | 2     | 0  | 268   | 0    | 1                    | 0  | 1     | 0  | 2     | 0    | 6                      | 214   | 39    | 0  | 259   | 0    | 20                       | 0  | 6     | 0  | 26    | 0    | 555   |
| <b>% Approach</b>                     | 1.5%                   | 97.8% | 0.7%  | 0% | -     | -    | 50.0%                | 0% | 50.0% | 0% | -     | -    | 2.3%                   | 82.6% | 15.1% | 0% | -     | -    | 76.9%                    | 0% | 23.1% | 0% | -     | -    | -     |
| <b>% Total</b>                        | 0.7%                   | 47.2% | 0.4%  | 0% | 48.3% | -    | 0.2%                 | 0% | 0.2%  | 0% | 0.4%  | -    | 1.1%                   | 38.6% | 7.0%  | 0% | 46.7% | -    | 3.6%                     | 0% | 1.1%  | 0% | 4.7%  | -    | -     |
| <b>PHF</b>                            | 0.500                  | 0.873 | 0.500 | -  | 0.893 | -    | 0.250                | -  | 0.250 | -  | 0.500 | -    | 0.750                  | 0.922 | 0.813 | -  | 0.899 | -    | 0.714                    | -  | 0.500 | -  | 0.722 | -    | 0.889 |
| <b>Lights</b>                         | 3                      | 252   | 1     | 0  | 256   | -    | 1                    | 0  | 1     | 0  | 2     | -    | 4                      | 205   | 38    | 0  | 247   | -    | 19                       | 0  | 6     | 0  | 25    | -    | 530   |
| <b>% Lights</b>                       | 75.0%                  | 96.2% | 50.0% | 0% | 95.5% | -    | 100%                 | 0% | 100%  | 0% | 100%  | -    | 66.7%                  | 95.8% | 97.4% | 0% | 95.4% | -    | 95.0%                    | 0% | 100%  | 0% | 96.2% | -    | 95.5% |
| <b>Articulated Trucks</b>             | 0                      | 1     | 0     | 0  | 1     | -    | 0                    | 0  | 0     | 0  | 0     | -    | 0                      | 0     | 0     | 0  | 0     | -    | 0                        | 0  | 0     | 0  | 0     | -    | 1     |
| <b>% Articulated Trucks</b>           | 0%                     | 0.4%  | 0%    | 0% | 0.4%  | -    | 0%                   | 0% | 0%    | 0% | 0%    | -    | 0%                     | 0%    | 0%    | 0% | 0%    | -    | 0%                       | 0% | 0%    | 0% | 0%    | -    | 0.2%  |
| <b>Buses and Single-Unit Trucks</b>   | 1                      | 9     | 1     | 0  | 11    | -    | 0                    | 0  | 0     | 0  | 0     | -    | 2                      | 9     | 1     | 0  | 12    | -    | 1                        | 0  | 0     | 0  | 1     | -    | 24    |
| <b>% Buses and Single-Unit Trucks</b> | 25.0%                  | 3.4%  | 50.0% | 0% | 4.1%  | -    | 0%                   | 0% | 0%    | 0% | 0%    | -    | 33.3%                  | 4.2%  | 2.6%  | 0% | 4.6%  | -    | 5.0%                     | 0% | 0%    | 0% | 3.8%  | -    | 4.3%  |
| <b>Bicycles on Road</b>               | 0                      | 0     | 0     | 0  | 0     | -    | 0                    | 0  | 0     | 0  | 0     | -    | 0                      | 0     | 0     | 0  | 0     | -    | 0                        | 0  | 0     | 0  | 0     | -    | 0     |
| <b>% Bicycles on Road</b>             | 0%                     | 0%    | 0%    | 0% | 0%    | -    | 0%                   | 0% | 0%    | 0% | 0%    | -    | 0%                     | 0%    | 0%    | 0% | 0%    | -    | 0%                       | 0% | 0%    | 0% | 0%    | -    | 0%    |
| Pedestrians                           | -                      | -     | -     | -  | -     | 0    | -                    | -  | -     | -  | -     | 0    | -                      | -     | -     | -  | -     | 0    | -                        | -  | -     | -  | -     | 0    | -     |
| % Pedestrians                         | -                      | -     | -     | -  | -     | -    | -                    | -  | -     | -  | -     | -    | -                      | -     | -     | -  | -     | -    | -                        | -  | -     | -  | -     | -    | -     |

\*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

# Cosgray Rd. & Parkmeadow Ln./Bell Haven - TMC

Tue Jan 23, 2018

Midday Peak (1:45PM - 2:45PM)

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Road)

All Movements

ID: 488747, Location: 40.037969, -83.179207



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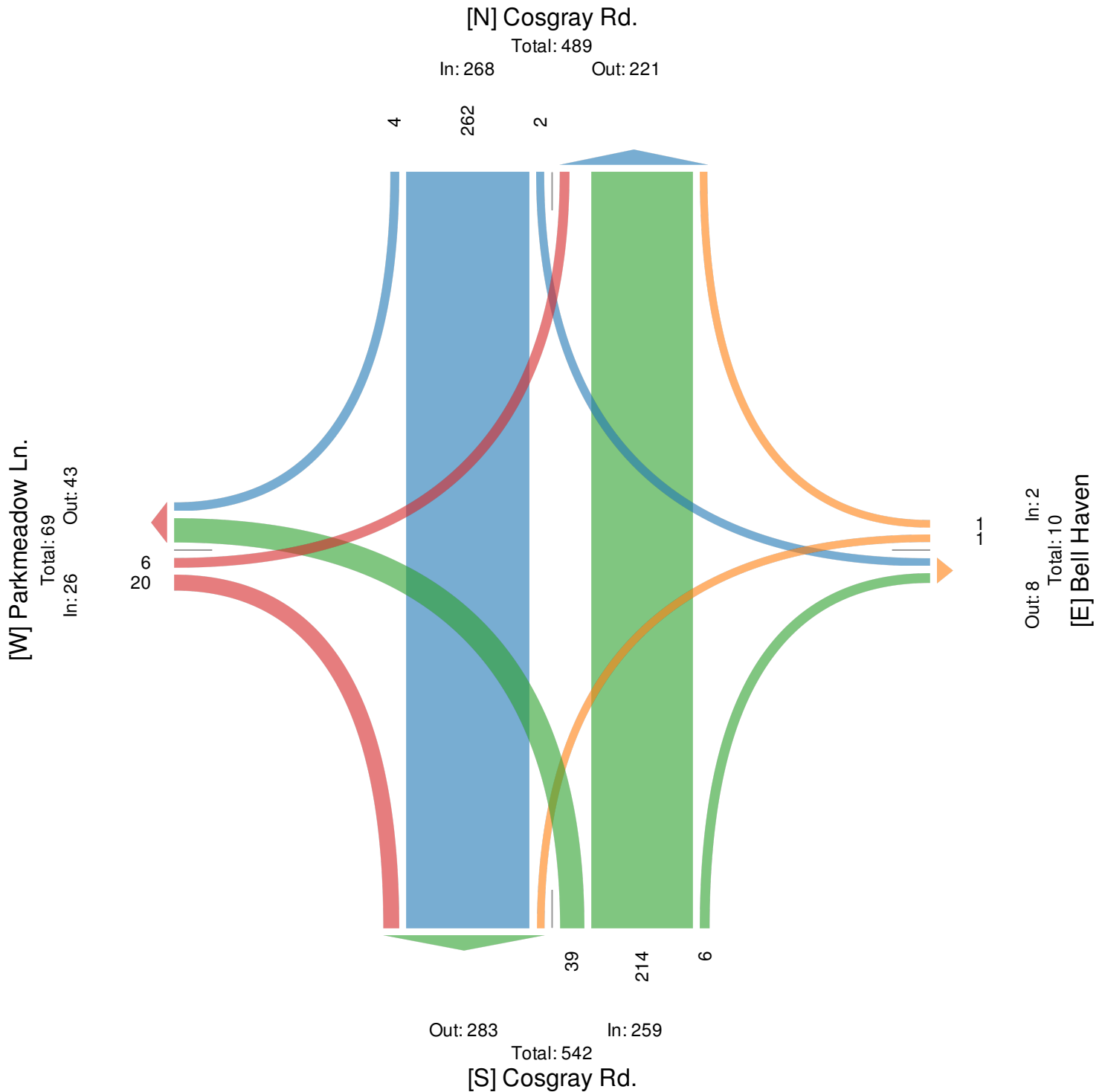
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232 19th St. NW,

Canton, OH, 44709, US



# Cosgray Rd. & Parkmeadow Ln./Bell Haven - TMC

Tue Jan 23, 2018

PM Peak (5PM - 6PM) - Overall Peak Hour

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Road)

All Movements

ID: 488747, Location: 40.037969, -83.179207



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

| Leg Direction                         | Cosgray Rd. Southbound |       |       |    |       |      | Bell Haven Westbound |       |       |    |       |      | Cosgray Rd. Northbound |       |       |    |       |      | Parkmeadow Ln. Eastbound |       |       |    |       |      |       |
|---------------------------------------|------------------------|-------|-------|----|-------|------|----------------------|-------|-------|----|-------|------|------------------------|-------|-------|----|-------|------|--------------------------|-------|-------|----|-------|------|-------|
| Time                                  | R                      | T     | L     | U  | App   | Ped* | R                    | T     | L     | U  | App   | Ped* | R                      | T     | L     | U  | App   | Ped* | R                        | T     | L     | U  | App   | Ped* | Int   |
| 2018-01-23 5:00PM                     | 7                      | 209   | 1     | 0  | 217   | 0    | 3                    | 0     | 0     | 0  | 3     | 0    | 2                      | 108   | 13    | 0  | 123   | 0    | 13                       | 1     | 4     | 0  | 18    | 0    | 361   |
| 5:15PM                                | 1                      | 240   | 1     | 0  | 242   | 0    | 2                    | 1     | 0     | 0  | 3     | 0    | 2                      | 114   | 16    | 0  | 132   | 0    | 13                       | 0     | 4     | 0  | 17    | 0    | 394   |
| 5:30PM                                | 2                      | 232   | 2     | 0  | 236   | 0    | 1                    | 0     | 1     | 0  | 2     | 0    | 2                      | 135   | 17    | 0  | 154   | 0    | 15                       | 0     | 3     | 0  | 18    | 0    | 410   |
| 5:45PM                                | 4                      | 211   | 1     | 0  | 216   | 0    | 0                    | 0     | 0     | 0  | 0     | 0    | 2                      | 119   | 21    | 0  | 142   | 0    | 19                       | 0     | 2     | 0  | 21    | 0    | 379   |
| <b>Total</b>                          | 14                     | 892   | 5     | 0  | 911   | 0    | 6                    | 1     | 1     | 0  | 8     | 0    | 8                      | 476   | 67    | 0  | 551   | 0    | 60                       | 1     | 13    | 0  | 74    | 0    | 1544  |
| <b>% Approach</b>                     | 1.5%                   | 97.9% | 0.5%  | 0% | -     | -    | 75.0%                | 12.5% | 12.5% | 0% | -     | -    | 1.5%                   | 86.4% | 12.2% | 0% | -     | -    | 81.1%                    | 1.4%  | 17.6% | 0% | -     | -    | -     |
| <b>% Total</b>                        | 0.9%                   | 57.8% | 0.3%  | 0% | 59.0% | -    | 0.4%                 | 0.1%  | 0.1%  | 0% | 0.5%  | -    | 0.5%                   | 30.8% | 4.3%  | 0% | 35.7% | -    | 3.9%                     | 0.1%  | 0.8%  | 0% | 4.8%  | -    | -     |
| <b>PHF</b>                            | 0.500                  | 0.929 | 0.625 | -  | 0.941 | -    | 0.500                | 0.250 | 0.250 | -  | 0.667 | -    | 1.000                  | 0.881 | 0.798 | -  | 0.894 | -    | 0.789                    | 0.250 | 0.813 | -  | 0.881 | -    | 0.941 |
| <b>Lights</b>                         | 14                     | 877   | 5     | 0  | 896   | -    | 5                    | 0     | 1     | 0  | 6     | -    | 8                      | 471   | 66    | 0  | 545   | -    | 60                       | 0     | 13    | 0  | 73    | -    | 1520  |
| <b>% Lights</b>                       | 100%                   | 98.3% | 100%  | 0% | 98.4% | -    | 83.3%                | 0%    | 100%  | 0% | 75.0% | -    | 100%                   | 98.9% | 98.5% | 0% | 98.9% | -    | 100%                     | 0%    | 100%  | 0% | 98.6% | -    | 98.4% |
| <b>Articulated Trucks</b>             | 0                      | 5     | 0     | 0  | 5     | -    | 0                    | 0     | 0     | 0  | 0     | -    | 0                      | 1     | 0     | 0  | 1     | -    | 0                        | 0     | 0     | 0  | 0     | -    | 6     |
| <b>% Articulated Trucks</b>           | 0%                     | 0.6%  | 0%    | 0% | 0.5%  | -    | 0%                   | 0%    | 0%    | 0% | 0%    | -    | 0%                     | 0.2%  | 0%    | 0% | 0.2%  | -    | 0%                       | 0%    | 0%    | 0% | 0%    | -    | 0.4%  |
| <b>Buses and Single-Unit Trucks</b>   | 0                      | 10    | 0     | 0  | 10    | -    | 1                    | 0     | 0     | 0  | 1     | -    | 0                      | 4     | 1     | 0  | 5     | -    | 0                        | 1     | 0     | 0  | 1     | -    | 17    |
| <b>% Buses and Single-Unit Trucks</b> | 0%                     | 1.1%  | 0%    | 0% | 1.1%  | -    | 16.7%                | 0%    | 0%    | 0% | 12.5% | -    | 0%                     | 0.8%  | 1.5%  | 0% | 0.9%  | -    | 0%                       | 100%  | 0%    | 0% | 1.4%  | -    | 1.1%  |
| <b>Bicycles on Road</b>               | 0                      | 0     | 0     | 0  | 0     | -    | 0                    | 1     | 0     | 0  | 1     | -    | 0                      | 0     | 0     | 0  | 0     | -    | 0                        | 0     | 0     | 0  | 0     | -    | 1     |
| <b>% Bicycles on Road</b>             | 0%                     | 0%    | 0%    | 0% | 0%    | -    | 0%                   | 100%  | 0%    | 0% | 12.5% | -    | 0%                     | 0%    | 0%    | 0% | 0%    | -    | 0%                       | 0%    | 0%    | 0% | 0%    | -    | 0.1%  |
| <b>Pedestrians</b>                    | -                      | -     | -     | -  | -     | 0    | -                    | -     | -     | -  | -     | 0    | -                      | -     | -     | -  | -     | 0    | -                        | -     | -     | -  | -     | 0    |       |
| <b>% Pedestrians</b>                  | -                      | -     | -     | -  | -     | -    | -                    | -     | -     | -  | -     | -    | -                      | -     | -     | -  | -     | -    | -                        | -     | -     | -  | -     | -    | -     |

\* Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn



## Cosgray Rd. & Parkmeadow Ln./Bell Haven - TMC

Tue Jan 23, 2018

PM Peak (5PM - 6PM) - Overall Peak Hour

All Classes (Lights, Articulated Trucks, Buses and Single-Unit Trucks, Pedestrians, Bicycles on Road)

All Movements

ID: 488747, Location: 40.037969, -83.179207



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