



Automated Speed Limit Guidelines

FORM A - Automated Speed Limit Guidelines Spreadsheet

Version:
10-Apr-09

| | | | |
|--------------------------------|------------------|--|-----------|
| Name of Corridor: | Pigeon Lake Road | | |
| Segment Evaluated: | Victoria Place | to | CKL Rd 36 |
| Geographic Region: | Verulam | | |
| Road Agency: | CKL | | |
| Road Classification: | Arterial | Length of Corridor: | 3,000 m |
| Urban / Rural: | Rural | Design Speed: (Required for Freeway, Expressway, Highway) | 80 km/h |
| Divided / Undivided: | Undivided | Current Posted Speed: (For information only) | 80 km/h |
| Major / Minor: | Major | Prevailing Speed: (85th Percentile - for information only) | km/h |
| # Through Lanes Per Direction: | 1 lane | Policy: (Maximum Posted Speed) | |

| | | RISK | Score |
|----|--|------------------------------|-------|
| A1 | GEOMETRY (Horizontal) | Lower | 3 |
| A2 | GEOMETRY (Vertical) | Lower | 3 |
| A3 | AVERAGE LANE WIDTH | Medium | 6 |
| B | ROADSIDE HAZARDS | Lower | 3 |
| C1 | PEDESTRIAN EXPOSURE | Medium | 4 |
| C2 | CYCLIST EXPOSURE | Medium | 6 |
| D | PAVEMENT SURFACE | Lower | 3 |
| E1 | NUMBER OF INTERSECTIONS WITH PUBLIC ROADS | <i>Number of Occurrences</i> | 9 |
| | STOP controlled intersection | 1 | |
| | Signalized intersection | | |
| | Roundabout or traffic circle | | |
| | Crosswalk | | |
| | Active, at-grade railroad crossing | | |
| E2 | NUMBER OF INTERSECTIONS WITH PRIVATE ACCESS DRIVEWAYS | <i>Number of Occurrences</i> | 5 |
| | Left turn movements permitted | 26 | |
| | Right-in / Right-out only | | |
| E3 | NUMBER OF INTERCHANGES | <i>Number of Occurrences</i> | 0 |
| | Number of interchanges along corridor | 0 | |
| F | ON-STREET PARKING | Medium | 2 |

Total Risk Score:

| |
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| 44 |
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Recommended Posted Speed Limit (km/h):

As determined by road characteristics

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| 80 |
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As determined by policy

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The recommended posted speed limit may be checked against the prevailing speeds of the roadway and the road's safety performance.

Comments:

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| Name of Corridor: | Pigeon Lake Road | | |
| Segment Evaluated: | Victoria Place | to | CKL Rd 36 |
| Geographic Region: | Verulam | | |
| Road Agency: | CKL | | |
| Road Classification: | Arterial | Length of Corridor: | 1,600 m |
| Urban / Rural: | Rural | Design Speed: (Required for Freeway, Expressway, Highway) | 80 km/h |
| Divided / Undivided: | Undivided | Current Posted Speed: (For information only) | 80 km/h |
| Major / Minor: | Major | Prevailing Speed: (85th Percentile - for information only) | km/h |
| # Through Lanes Per Direction: | 1 lane | Policy: (Maximum Posted Speed) | |

| | | RISK | Score |
|----|--|------------------------------|-------|
| A1 | GEOMETRY (Horizontal) | Lower | 3 |
| A2 | GEOMETRY (Vertical) | Lower | 3 |
| A3 | AVERAGE LANE WIDTH | Medium | 6 |
| B | ROADSIDE HAZARDS | Lower | 3 |
| C1 | PEDESTRIAN EXPOSURE | Medium | 4 |
| C2 | CYCLIST EXPOSURE | Medium | 6 |
| D | PAVEMENT SURFACE | Lower | 3 |
| E1 | NUMBER OF INTERSECTIONS WITH PUBLIC ROADS | <i>Number of Occurrences</i> | 10 |
| | STOP controlled intersection | 1 | |
| | Signalized intersection | | |
| | Roundabout or traffic circle | | |
| | Crosswalk | | |
| | Active, at-grade railroad crossing | | |
| E2 | NUMBER OF INTERSECTIONS WITH PRIVATE ACCESS DRIVEWAYS | <i>Number of Occurrences</i> | 8 |
| | Left turn movements permitted | 22 | |
| | Right-in / Right-out only | | |
| E3 | NUMBER OF INTERCHANGES | <i>Number of Occurrences</i> | 0 |
| | Number of interchanges along corridor | 0 | |
| F | ON-STREET PARKING | Medium | 2 |

Total Risk Score:

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| 48 |
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Recommended Posted Speed Limit (km/h):

As determined by road characteristics

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| 70 |
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As determined by policy

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The recommended posted speed limit may be checked against the prevailing speeds of the roadway and the road's safety performance.

Comments:

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