

Manifest - Current Scenario

- 40 x Barrel
- 4 x WD-101 construction ahead
- 2 x Flagger
- 2 x TC-21 TC-21
- 2 x TC-2B TC-2B
- 1 x TC-4L TC-4L

Project:	25 Pickering Placel
Location:	Close Pickering Avenue
Job Number:	24-TI004
Client:	Colonnade Bridgeport
Author:	Ryan Nussey
Date:	January 31, 2024
MTO OTM #:	See description below.

Notes:

- 1) This plan is to scale when printed on Ledger (11x17 paper).
- 2) All signs and traffic control devices to be installed as per OTM Book 7 April 2022.
- 3) Maximum distance between barrels to be 6 meters.
- 4) All sidewalk closures are to be reopened outside of work hours if possible.
- 5) All signage to be bilingual.
- 6) Pedestrians are to be temporarily diverted around the construction zone in areas without adjacent sidewalks

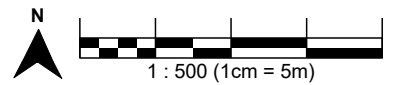


Table B Work Zone Component Dimensions: Long Duration Work (Non-freeways)

Dimension	Normal Posted Regulatory Speed Limit**			
	50 km/h or lower	60 km/h	70 km/h	80 km/h
1a) Taper length for full lane closure (m)	LV: 15 - 25 HW: 20 - 50	40 - 60	60 - 80	100 - 120
1b) Taper length for roadside work (m)***	LV: 5 - 8 HW: 8 - 10	10 - 15	15 - 20	20 - 25
2) Longitudinal buffer area (LBA) (m)****	300	140	50	60
3) Maximum distance between markers (m)*****	6 - 8	8 - 10	8 - 10	10 - 12
4) Minimum number of markers for taper	at least 5 markers	at least 7 markers	at least 9 markers	at least 13 markers
5) Minimum tangent between tapers (m)	95	100	120	140
6) Distance between construction signs (m)*****	40 - 50	80 - 100	110 - 120	130 - 145

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Legend
 Barrel
 Safety Zone

REV	DATE	INITIAL	DESCRIPTION

Base stagePrint region 1



Manifest - Current Scenario

- 40 x Barrel
- 4 x WD-101 construction ahead
- 2 x Flagger
- 2 x TC-21 TC-21
- 2 x TC-2B TC-2B
- 1 x TC-4L TC-4L

TOMLINSON
FOUNDED ON STRENGTH GUIDED BY VISION

100 Citigate Drive, Ottawa ON, K2J 6K7
Phone: (613) 822-1867
Fax: (613) 822-6844

Project:	25 Pickering Placel
Location:	Close Pickering Avenue
Job Number:	24-TI004
Client:	Colonnade Bridgeport
Author:	Ryan Nussey
Date:	January 31, 2024
MTO OTM #:	See description below.

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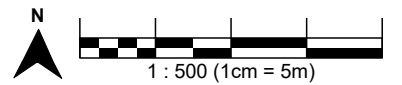


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1b) Taper length for roadside work (m)	LV: 5 - 8 HW: 8 - 10	10 - 15	15 - 20	20 - 25
2) Longitudinal buffer area (LBA) (m)	300	140	50	60
3) Maximum distance between markers (m)	6 - 8	8 - 10	8 - 10	10 - 12
3) Minimum number of markers for taper	at least 5 markers	at least 7 markers	at least 9 markers	at least 13 markers
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Legend
● Barrel Safety Zone

REV	DATE	INITIAL	DESCRIPTION

Base stagePrint region 2

Manifest - Current Scenario

- 40 x Barrel
- 4 x WD-101 construction ahead
- 2 x Flagger
- 2 x TC-21 TC-21
- 2 x TC-2B TC-2B
- 1 x TC-4L TC-4L

TOMLINSON
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100 Citigate Drive, Ottawa ON, K2J 6K7
Phone: (613) 822-1867
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Project:	25 Pickering Placel
Location:	Close Pickering Avenue
Job Number:	24-TI004
Client:	Colonnade Bridgeport
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Table B Work Zone Component Dimensions: Long Duration Work (Non-freeways)

Dimension	Normal Posted Regulatory Speed Limit**				
	50 km/h or lower	60 km/h	70 km/h	80 km/h	90 km/h
1a) Taper length for full lane closure (m)****	LV: 15 - 25 HW: 20 - 50	40 - 60	60 - 90	100 - 120	140 - 160
1b) Taper length for roadside work (m)****	LV: 5 - 8 HW: 8 - 10	10 - 15	15 - 20	20 - 25	30 - 40
2) Longitudinal buffer area (LBA) (m)*****	(30)	(40)	50	60	75
3) Maximum distance between markers (m)*****	6 - 8	8 - 10	8 - 10	10 - 12	12 - 14
3) Minimum number of markers for taper	at least 5 markers	at least 7 markers	at least 9 markers	at least 11 markers	at least 13 markers
4) Minimum tangent between tapers (m)	95	100	120	140	160
5) Distance between construction signs (m)*****	40 - 50	80 - 100	110 - 120	130 - 140	150

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Legend

- Barrel
- Safety Zone

REV	DATE	INITIAL	DESCRIPTION

Base stagePrint region 3



Manifest - Current Scenario

- 36 x Barrel
- 4 x WD-101 construction ahead
- 2 x Flagger
- 2 x TC-21 TC-21
- 2 x TC-2B TC-2B
- 1 x RB-11 no right turn
- 1 x RB-11-L no left turn
- 1 x TC-4L TC-4L

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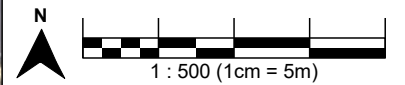


Table B Work Zone Component Dimensions: Long Duration Work (Non-freeways)

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1a) Taper length for full lane closure (m)	LV: 15 - 25 HW: 20 - 50	40 - 60	60 - 80	100 - 120
1b) Taper length for roadside work (m)	LV: 5 - 8 HW: 8 - 10	10 - 15	15 - 20	20 - 25
2) Longitudinal buffer area (LBA) (m)	300	140	50	60
3) Maximum distance between markers (m)	6 - 8	8 - 10	8 - 10	10 - 12
3) Minimum number of markers for taper	at least 5 markers	at least 7 markers	at least 9 markers	at least 13 markers
4) Minimum tangent between tapers (m)	95	100	120	140
5) Distance between construction signs (m)	40 - 50	80 - 100	110 - 120	130 - 145

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Legend
 Barrel
 Safety Zone



REV	DATE	INITIAL	DESCRIPTION

Base stagePrint region 1

Manifest - Current Scenario

- 36 x Barrel
- 4 x WD-101 construction ahead
- 2 x Flagger
- 2 x TC-21 TC-21
- 2 x TC-2B TC-2B
- 1 x RB-11 no right turn
- 1 x RB-11-L no left turn
- 1 x TC-4L TC-4L



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Table B Work Zone Component Dimensions: Long Duration Work (Non-freeways)

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2) Longitudinal buffer area (LBA) (m)****	(30)	(40)	50	60
3) Maximum distance between markers (m)****	6 - 8	8 - 10	8 - 10	10 - 12
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Legend

- Barrel
- Safety Zone

REV	DATE	INITIAL	DESCRIPTION

Base stagePrint region 2

Manifest - Current Scenario

- 36 x Barrel
- 4 x WD-101 construction ahead
- 2 x Flagger
- 2 x TC-21 TC-21
- 2 x TC-2B TC-2B
- 1 x RB-11 no right turn
- 1 x RB-11-L no left turn
- 1 x TC-4L TC-4L

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Location:	Close Pickering Avenue
Job Number:	24-TI004
Client:	Colonnade Bridgeport
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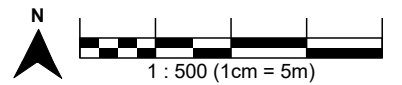


Table B Work Zone Component Dimensions: Long Duration Work (Non-freeways)

Dimension	Normal Posted Regulatory Speed Limit**				
	50 km/h or lower	60 km/h	70 km/h	80 km/h	90 km/h
1a) Taper length for full lane closure (m) (****)	LV: 15 - 25 HW: 20 - 50	40 - 60	60 - 90	100 - 120	140 - 160
1b) Taper length for roadside work (m) (****)	LV: 5 - 8 HW: 8 - 10	10 - 15	15 - 20	20 - 25	30 - 40
2) Longitudinal buffer area (LBA) (m) (****)	(30)	(40)	50	60	75
3) Maximum distance between markers (m) (****)	6 - 8	8 - 10	8 - 10	10 - 12	12 - 14
Minimum number of markers for taper (****)	at least 5 markers	at least 7 markers	at least 9 markers	at least 11 markers	at least 13 markers
4) Minimum tangent between tapers (m)	95	100	120	140	160
5) Distance between construction signs (m) (****)	40 - 50	80 - 100	110 - 120	130 - 140	150

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Legend

- Barrel
- Safety Zone

REV	DATE	INITIAL	DESCRIPTION

Base stagePrint region 3



Manifest - Current Scenario

- 49 x Barrel
- 4 x WD-101 construction ahead
- 2 x TC-2B TC-2B
- 1 x RB-11 no right turn
- 1 x RB-11-L no left turn
- 1 x TC-4L TC-4L
- 1 x WD-1162 Road closed

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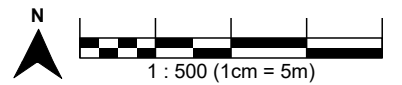


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1b) Taper length for roadside work (m)	15 - 25 15 - 25 50	40 - 60	60 - 80	100 - 120
2) Longitudinal buffer area (LBA) (m)	30	40	50	60
3) Maximum distance between markers (m)	6 - 8	8 - 10	8 - 10	10 - 12
4) Minimum number of markers for taper	at least 5 markers	at least 7 markers	at least 9 markers	at least 13 markers
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Legend
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 Safety Zone

REV	DATE	INITIAL	DESCRIPTION

Base stagePrint region 1



Manifest - Current Scenario

- 49 x Barrel
- 4 x WD-101 construction ahead
- 2 x TC-2B TC-2B
- 1 x RB-11 no right turn
- 1 x RB-11-L no left turn
- 1 x TC-4L TC-4L
- 1 x WD-1162 Road closed

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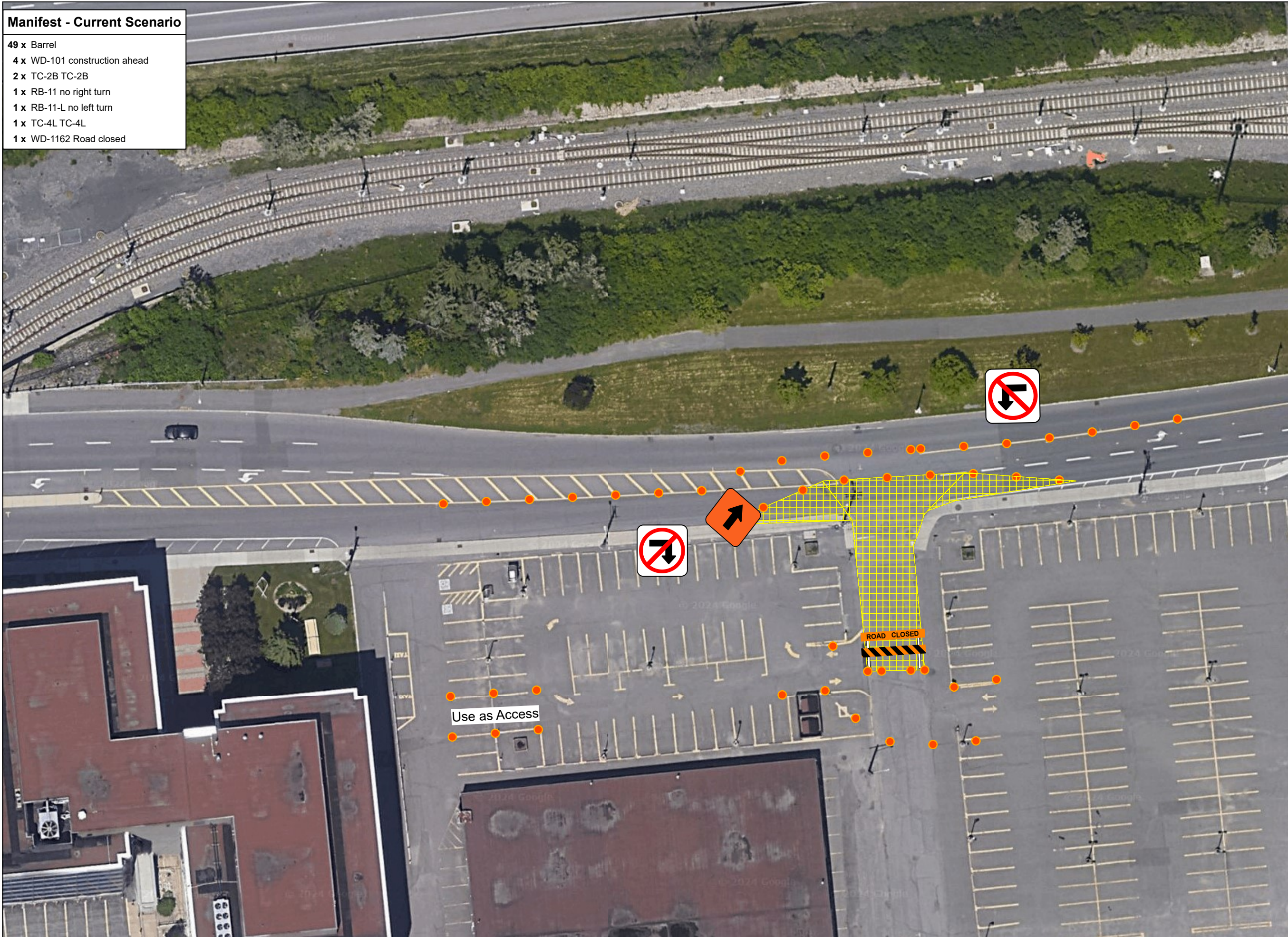
Dimension	Normal Posted Regulatory Speed Limit**			
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1a) Taper length for full lane closure (m)****	LV: 15 - 25 HW: 20 - 50	40 - 60	60 - 80	100 - 120
1b) Taper length for roadside work (m)****	LV: 5 - 8 HW: 8 - 10	10 - 15	15 - 20	20 - 25
2) Longitudinal buffer area (LBA) (m)*****	300	140	50	60
3) Maximum distance between markers (m)*****	6 - 8	8 - 10	8 - 10	10 - 12
4) Minimum number of markers for taper	at least 5 markers	at least 7 markers	at least 9 markers	at least 13 markers
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5) Distance between construction signs (m)*****	40 - 50	80 - 100	110 - 120	130 - 145

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Legend
 Barrel
 Safety Zone

REV	DATE	INITIAL	DESCRIPTION

Base stagePrint region 2



Manifest - Current Scenario

- 49 x Barrel
- 4 x WD-101 construction ahead
- 2 x TC-2B TC-2B
- 1 x RB-11 no right turn
- 1 x RB-11-L no left turn
- 1 x TC-4L TC-4L
- 1 x WD-1162 Road closed

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FOUNDED ON STRENGTH GUIDED BY VISION

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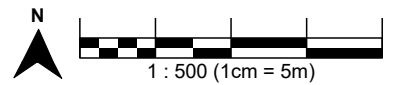


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Dimension	Normal Posted Regulatory Speed Limit**				
	50 km/h or lower	60 km/h	70 km/h	80 km/h	90 km/h
1a) Taper length for full lane closure (m)	LV: 15 - 25 HW: 20 - 50	40 - 60	60 - 90	100 - 120	140 - 160
1b) Taper length for roadside work (m)	LV: 5 - 8 HW: 8 - 10	10 - 15	15 - 20	20 - 25	30 - 40
2) Longitudinal buffer area (LBA) (m)	300	140	50	60	75
3) Maximum distance between markers (m)	6 - 8	8 - 10	8 - 10	10 - 12	12 - 14
3) Minimum number of markers for taper	at least 5 markers	at least 7 markers	at least 9 markers	at least 11 markers	at least 13 markers
4) Minimum tangent between tapers (m)	95	100	120	140	160
5) Distance between construction signs (m)	40 - 50	80 - 100	110 - 120	130 - 140	150

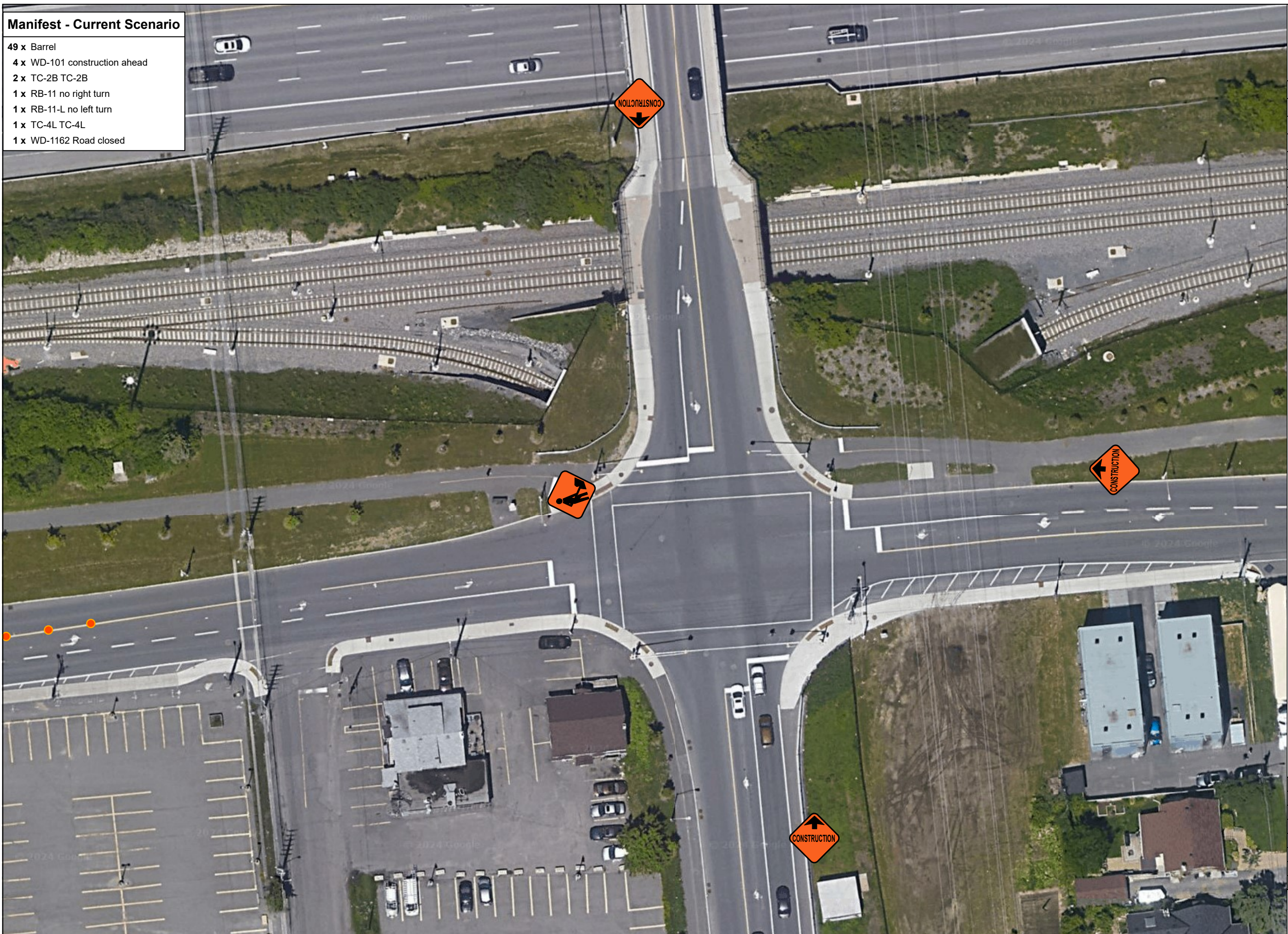
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Legend

- Barrel
- Safety Zone

REV	DATE	INITIAL	DESCRIPTION

Base stagePrint region 3



Manifest - Current Scenario

13 x Barrel

Project:	25 Pickering Placel
Location:	Close Pickering Avenue
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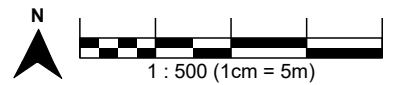
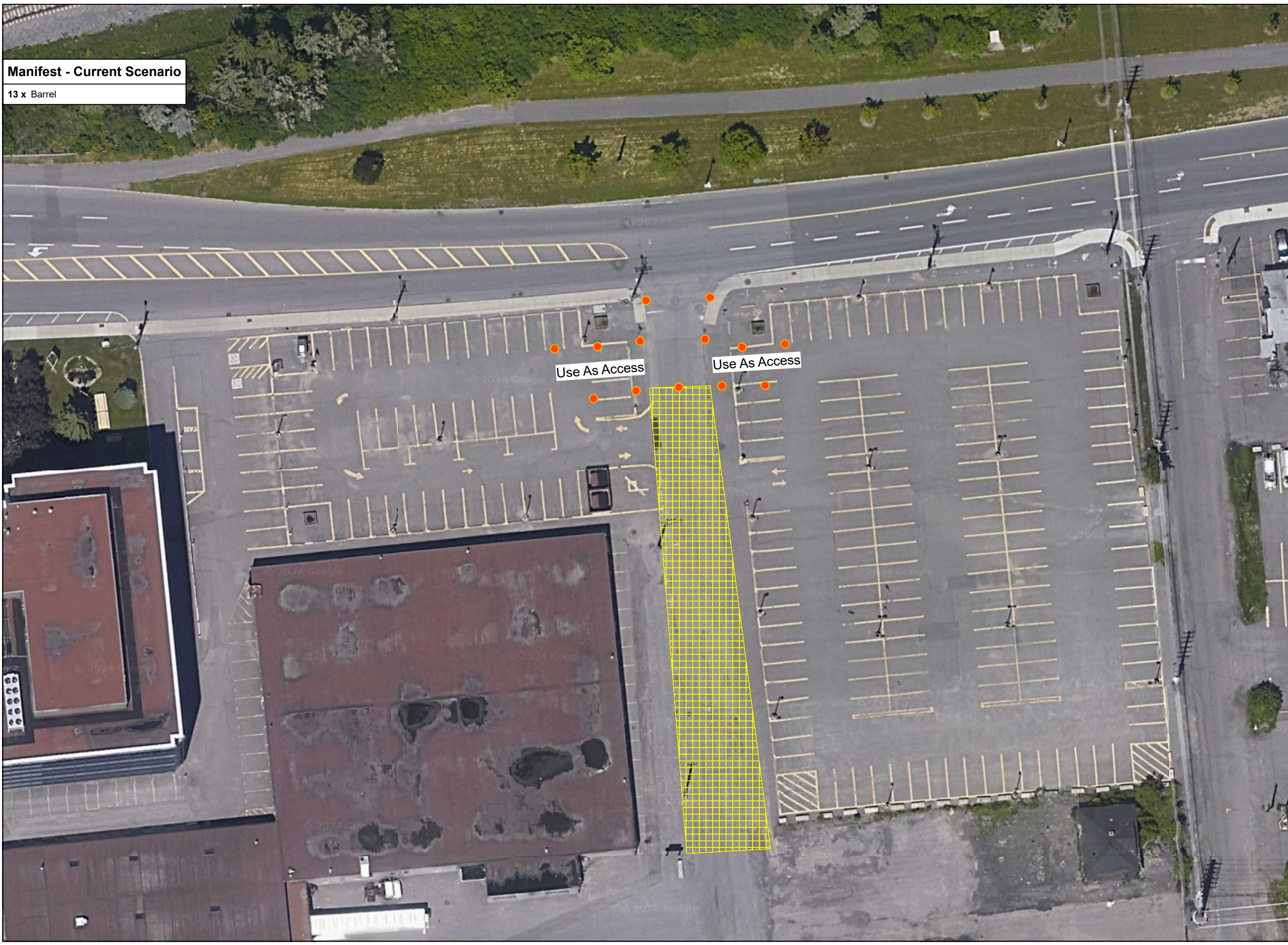


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	50 km/h or lower	60 km/h	70 km/h	80 km/h
1a) Taper length for full lane closure (m)****	15 - 25	40 - 60	60 - 80	100 - 120
1b) Taper length for roadside work (m)****	10 - 15	15 - 20	20 - 25	30 - 40
2) Longitudinal buffer area (LBA) (m)****	300	140	50	60
3) Maximum distance between markers (m)****	6 - 8	8 - 10	8 - 10	10 - 12
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Legend

- Orange circle: Barrel
- Yellow grid: Safety Zone

REV	DATE	INITIAL	DESCRIPTION

Base stagePrint region 1