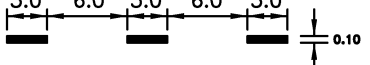
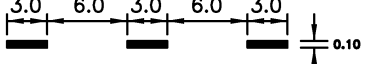
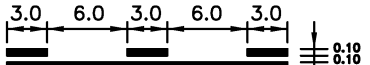
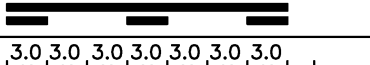
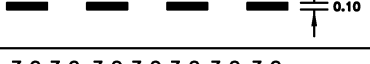
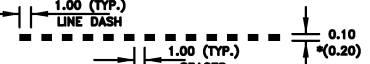
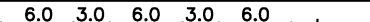
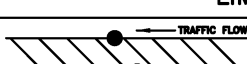
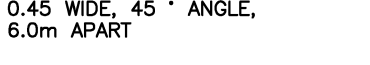
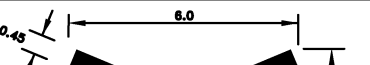


DS 400 Series — Paving Marking Design Standard Drawings List

Drawing Number	Drawing Title	Revision Date
DS-400	Pavement marking Legend	January 2023
DS-401	Typical Pavement Markings for Slip Around Lane	January 2023
DS-402	Typical Pavement Markings for “T” Intersection Left Turn Lane Split	January 2023
DS-403	Typical Pavement Markings for “T” Intersection Left Turn Lane on Right of Centreline	January 2023
DS-404	Typical Pavement Markings for 2 Lane “X” Intersection	January 2023
DS-405	Typical Pavement Markings for 4 Lane “X” Intersection (Without Median Islands)	January 2023
DS-406	Typical Pavement Markings for 4 Lane “X” Intersection (With Median Islands)	January 2023
DS-407	Typical Pavement Markings for 4 Lane “X” Intersection Median Islands - Double Left Turn Lane	January 2023
DS-408	AODA Compliant Typical Pedestrian Equipment using Pedestrian Signal Poles and Crosswalks with Tactile Warning Plates	September 2026
DS-411	AODA Compliant Typical Pedestrian Equipment and Tactile Warning Plates for Viva/Rapidways	September 2026
DS-412	Typical Zebra Pavement Marking Detail at Signalized Intersections	September 2026
DS-413	Typical Crossride Pavement Marking Detail at Signalized Intersections	September 2026
DS-414	Typical Crossride Pavement Marking Detail at Unsignalized Intersections	September 2026
DS-414B	Typical Crossride Pavement Marking Detail at Unsignalized Intersections for Unidirectional Cycle Tracks	September 2026
DS-415	Typical Crossride Pavement Marking Detail at Driveway with Multi-Use Path Crossing	September 2026
DS-416	Typical Crossride Pavement Marking Detail at Driveway with In-Boulevard Cycle Track Crossing	September 2026
DS-420	Hatched Pavement Markings for Emergency Service Access	January 2023
DS-421	Typical Pavement Markings for Slow Down Text Marking	September 2026

DS-422	Typical Pavement Markings for Optical Speed Bars	September 2026
DS-423	Typical Pavement Markings for Peripheral Speed Bars	September 2026

NAME	DIMENSIONS	USE	SYMBOL
SOLID (WHITE)		EDGE LINES LANE LINES *CROSSWALKS ONLY (0.15 WIDE)	 SW
WIDE SOLID (WHITE)		EDGE LINE THROUGH TRANSITION AREA	 WSW
SOLID (YELLOW)		DIRECTIONAL DIVIDING LINES	 SY
DOUBLE SOLID (YELLOW)		DIRECTIONAL DIVIDING LINES	 DSY
BROKEN (YELLOW)		DIRECTIONAL DIVIDING LINES	 BY
BROKEN-URBAN (WHITE)		URBAN LANE LINES, LOW SPEED	 BTH
SIMULTANEOUS SOLID AND BROKEN (YELLOW)		DIRECTIONAL DIVIDING LINES	 SB
SIMULTANEOUS SOLID AND BROKEN (YELLOW)		TWO-WAY LEFT TURN LANES (BROKEN LINE ON OUTSIDE & SOLID LINE ADJACENT TO CL)	 SBS
BROKEN (WHITE)		LEFT OR RIGHT TURN LANE LINES	 BTU
WIDE BROKEN (WHITE)		CONTINUITY LINES	 BW
CONDENSED BROKEN (WHITE)		BUS BAYS (WHITE) *GUIDING LINES (WHITE) (E.G. INTERSECTION MOVEMENTS)	 CB
WIDE BROKEN (WHITE)		H.O.V LANES	 H.O.V LANES
LIMITS		DENOTES LIMITS OF SYMBOLS	 LIM
HATCHING	SOLID YELLOW OR WHITE 0.45 WIDE, 45 ° ANGLE, 6.0m APART	YELLOW FOR SEPARATION OF OPPOSING TRAFFIC	
		WHITE FOR DIVERGING TRAFFIC	
STOP BLOCK		INTERSECTION STOP LINES (WHITE)	
CROSS		APPROACH TO RAILWAY CROSSING & PEDESTRIAN CROSSOVER (WHITE)	
RAILWAY STOP BLOCK		RAILWAY CROSSING STOP LINES (WHITE)	



**Public Works
Transportation**

PAVEMENT MARKING LEGEND

DATE: JANUARY 2023

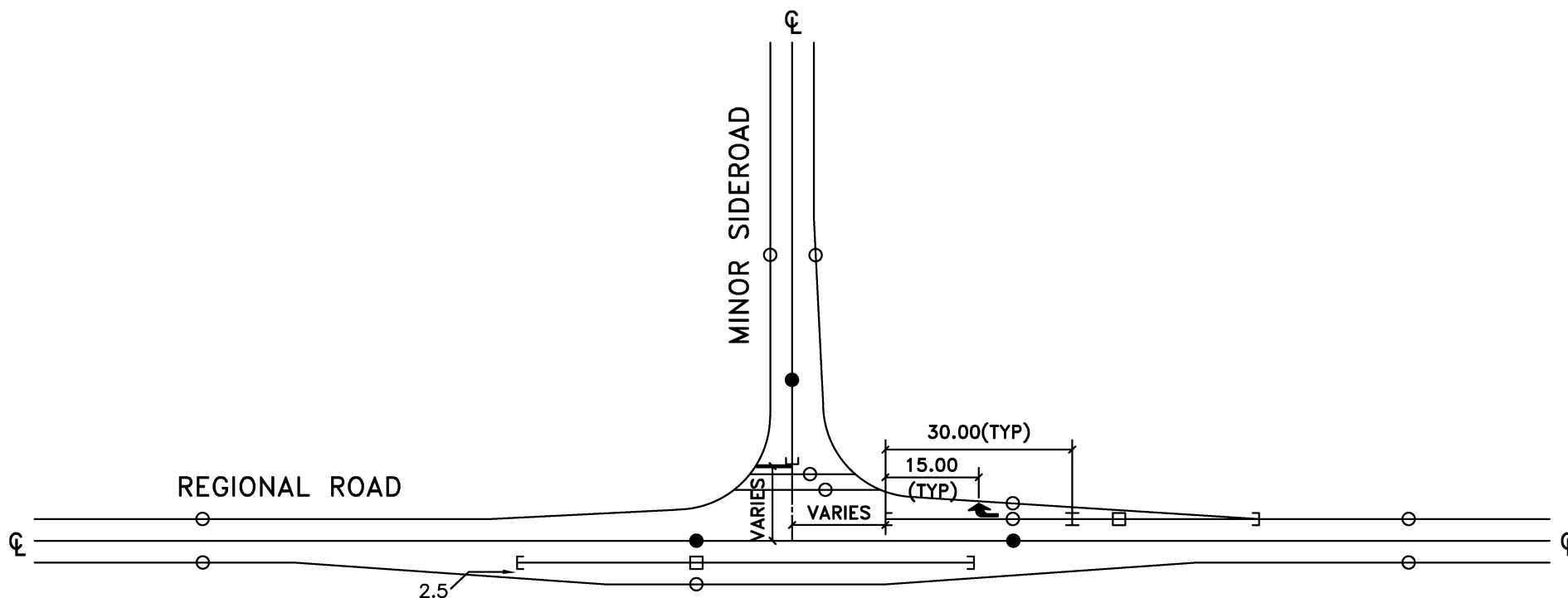
SCALE N.T.S.

REV.

X

X

DS-400



NOTES

1. ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED.
2. SEE STANDARD DRAWING DS-400 FOR PAVEMENT MARKING LEGEND.
3. EDGE LINES ARE TO BE USED ONLY WHERE THERE IS NO CURB AND GUTTER.
4. THIS STANDARD IS TO BE USED AS A GUIDE ONLY AND WILL REQUIRE ADJUSTMENTS TO SUIT FIELD CONDITIONS.



**Public Works
Transportation**

TYPICAL PAVEMENT MARKINGS FOR SLIP AROUND LANE

DATE: JANUARY 2023

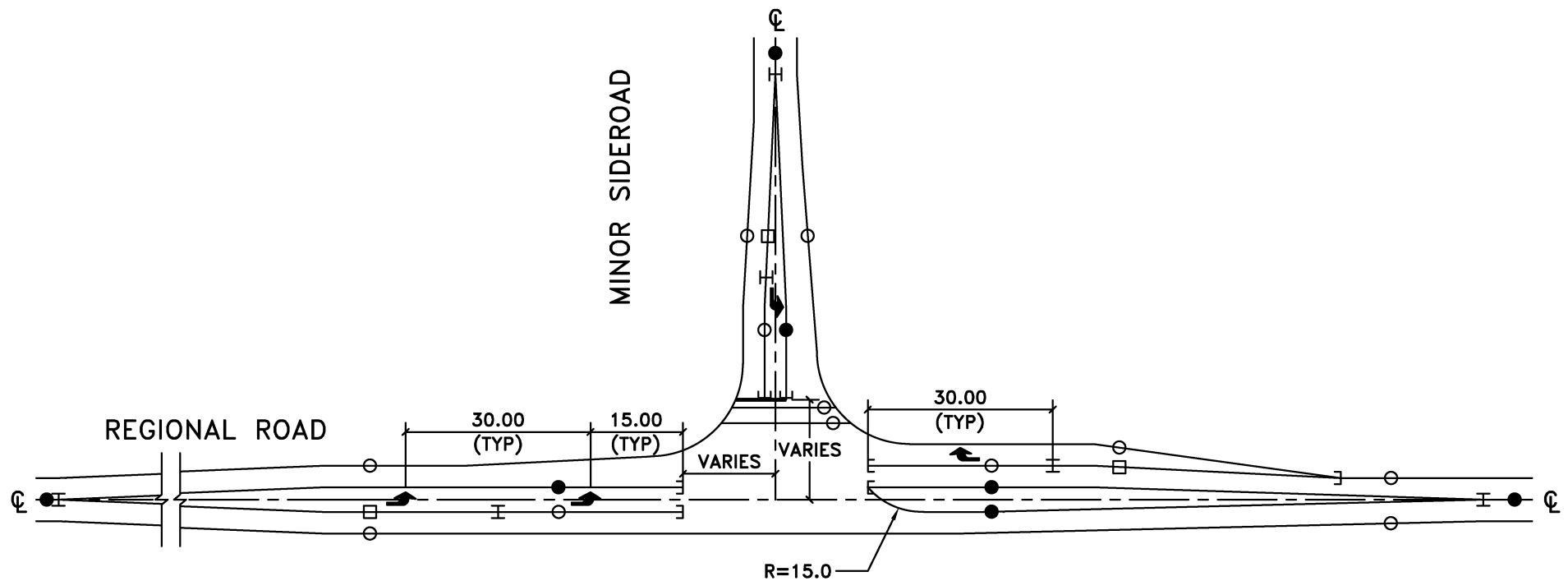
SCALE N.T.S.

REV.

X

X

DS-401



NOTES

1. ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED.
2. SEE STANDARD DRAWING DS-400 FOR PAVEMENT MARKING LEGEND.
3. EDGE LINES ARE TO BE USED ONLY WHERE THERE IS NO CURB AND GUTTER.
4. THIS STANDARD IS TO BE USED AS A GUIDE ONLY AND WILL REQUIRE ADJUSTMENTS TO SUIT FIELD CONDITIONS.



**Public Works
Transportation**

TYPICAL PAVEMENT MARKINGS FOR "T" INTERSECTION LEFT TURN LANE SPLIT

DATE: JANUARY 2023

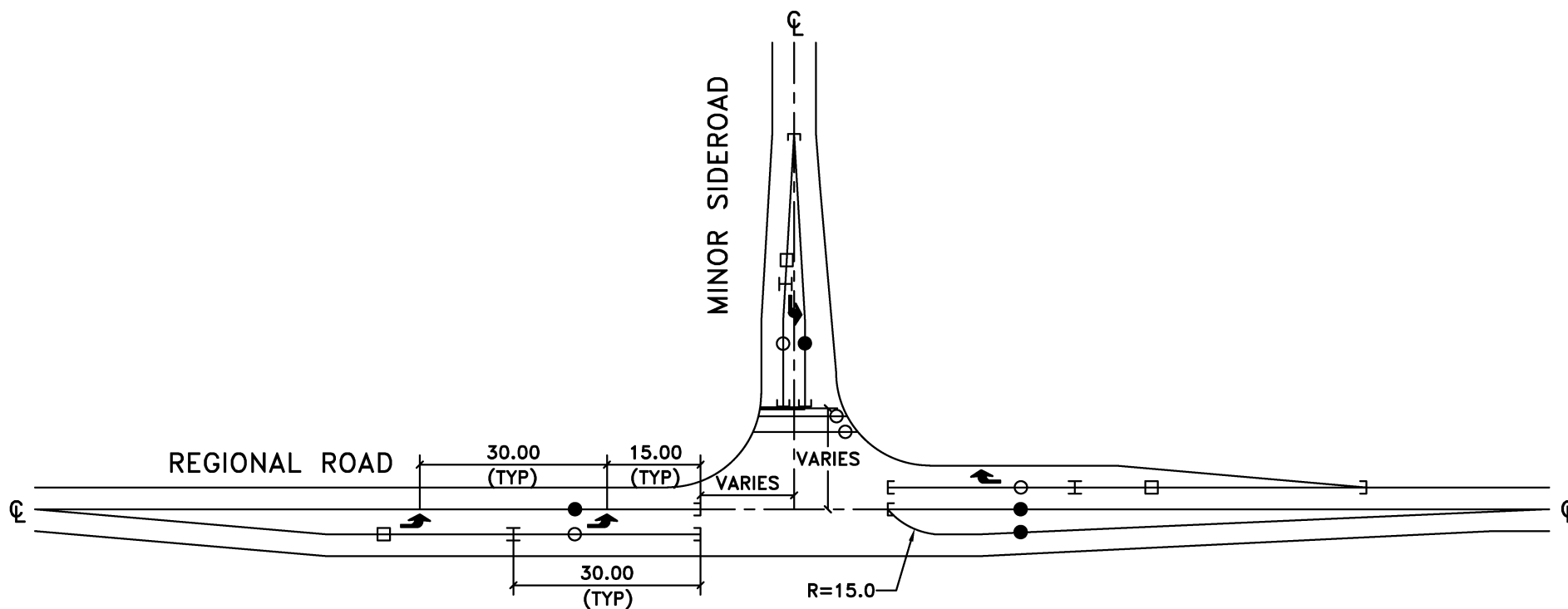
SCALE N.T.S.

REV.

X

X

DS-402



NOTES

1. ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED.
2. SEE STANDARD DRAWING DS-400 FOR PAVEMENT MARKING LEGEND.
3. EDGE LINES ARE TO BE USED ONLY WHERE THERE IS NO CURB AND GUTTER.
4. THIS STANDARD IS TO BE USED AS A GUIDE ONLY AND WILL REQUIRE ADJUSTMENTS TO SUIT FIELD CONDITIONS.



**Public Works
Transportation**

**TYPICAL PAVEMENT MARKINGS FOR
"T" INTERSECTION
LEFT TURN ON RIGHT OF CENTRELINE**

DATE: JANUARY 2023

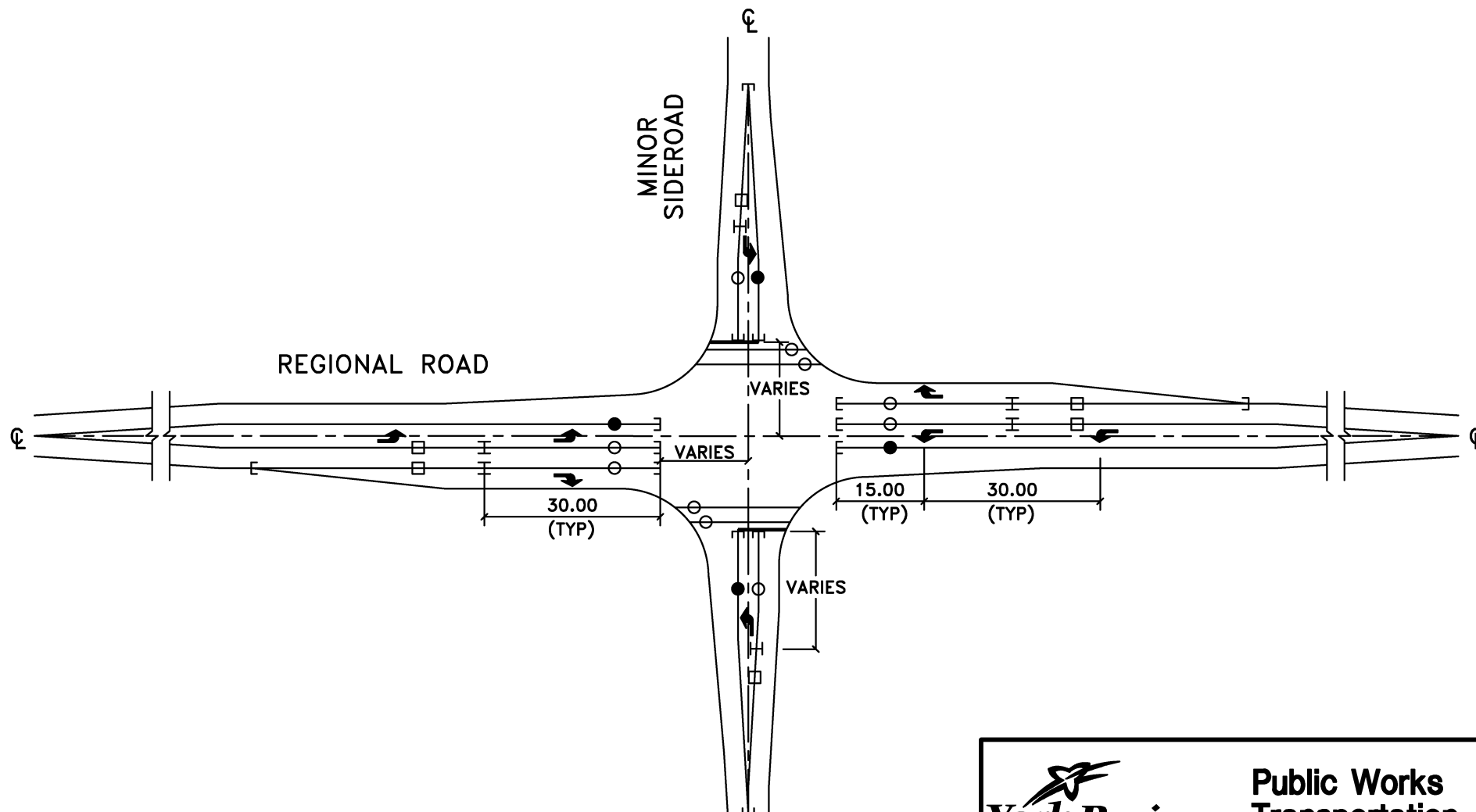
SCALE N.T.S.

REV.

X

X

DS-403



NOTES

1. ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED.
2. SEE STANDARD DRAWING DS-400 FOR PAVEMENT MARKING LEGEND.
3. EDGE LINES ARE TO BE USED ONLY WHERE THERE IS NO CURB AND GUTTER.
4. THIS STANDARD IS TO BE USED AS A GUIDE ONLY AND WILL REQUIRE ADJUSTMENTS TO SUIT FIELD CONDITIONS.



**Public Works
Transportation**

TYPICAL PAVEMENT MARKINGS FOR 2 LANE "X" INTERSECTION

DATE: JANUARY 2023

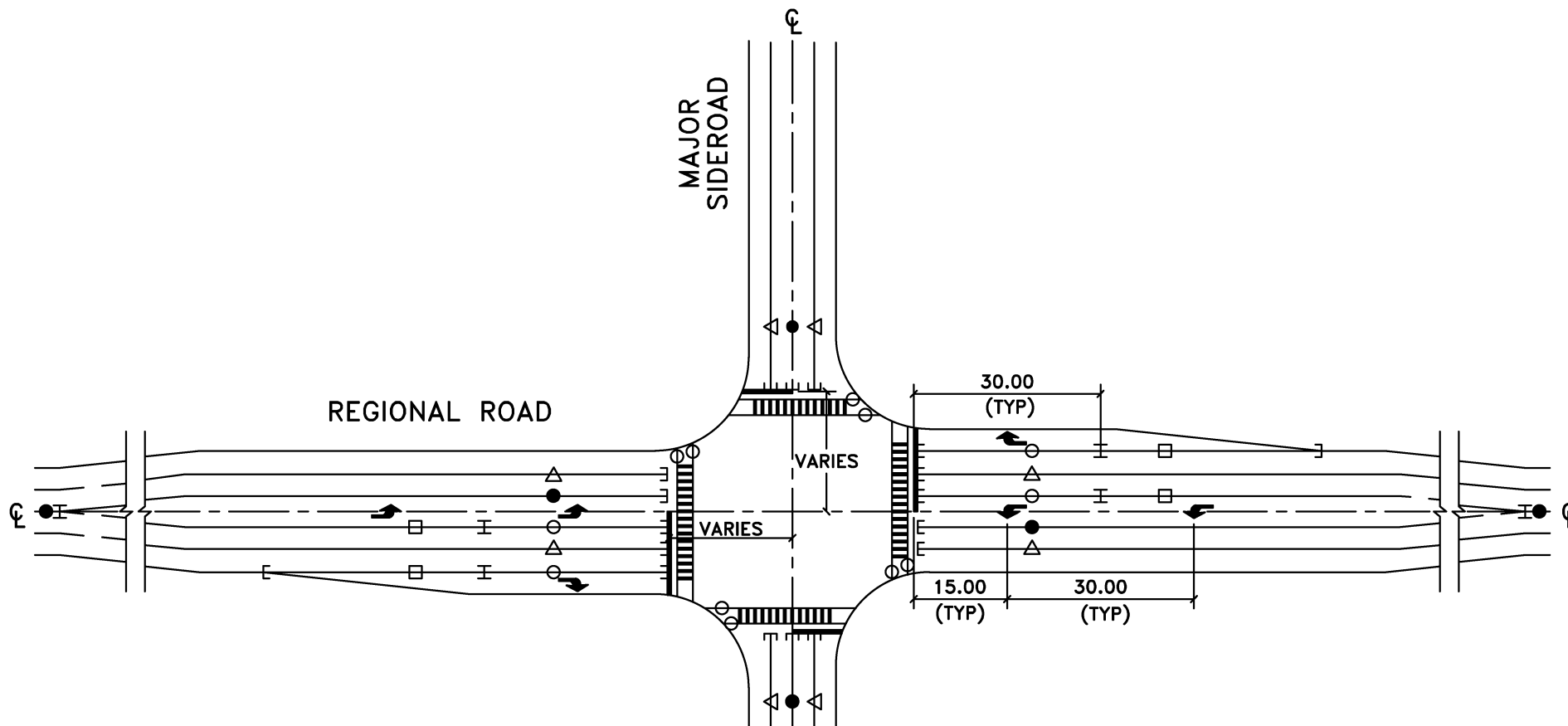
SCALE N.T.S.

REV.

X

X

DS-404



NOTES

1. ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED.
2. SEE STANDARD DRAWING DS-400 FOR PAVEMENT MARKING LEGEND.
3. EDGE LINES ARE TO BE USED ONLY WHERE THERE IS NO CURB AND GUTTER.
4. THIS STANDARD IS TO BE USED AS A GUIDE ONLY AND WILL REQUIRE ADJUSTMENTS TO SUIT FIELD CONDITIONS.



**Public Works
Transportation**

**TYPICAL PAVEMENT MARKINGS FOR
4 LANE "X" INTERSECTION
(WITHOUT MEDIAN ISLANDS)**

DATE: JANUARY 2023

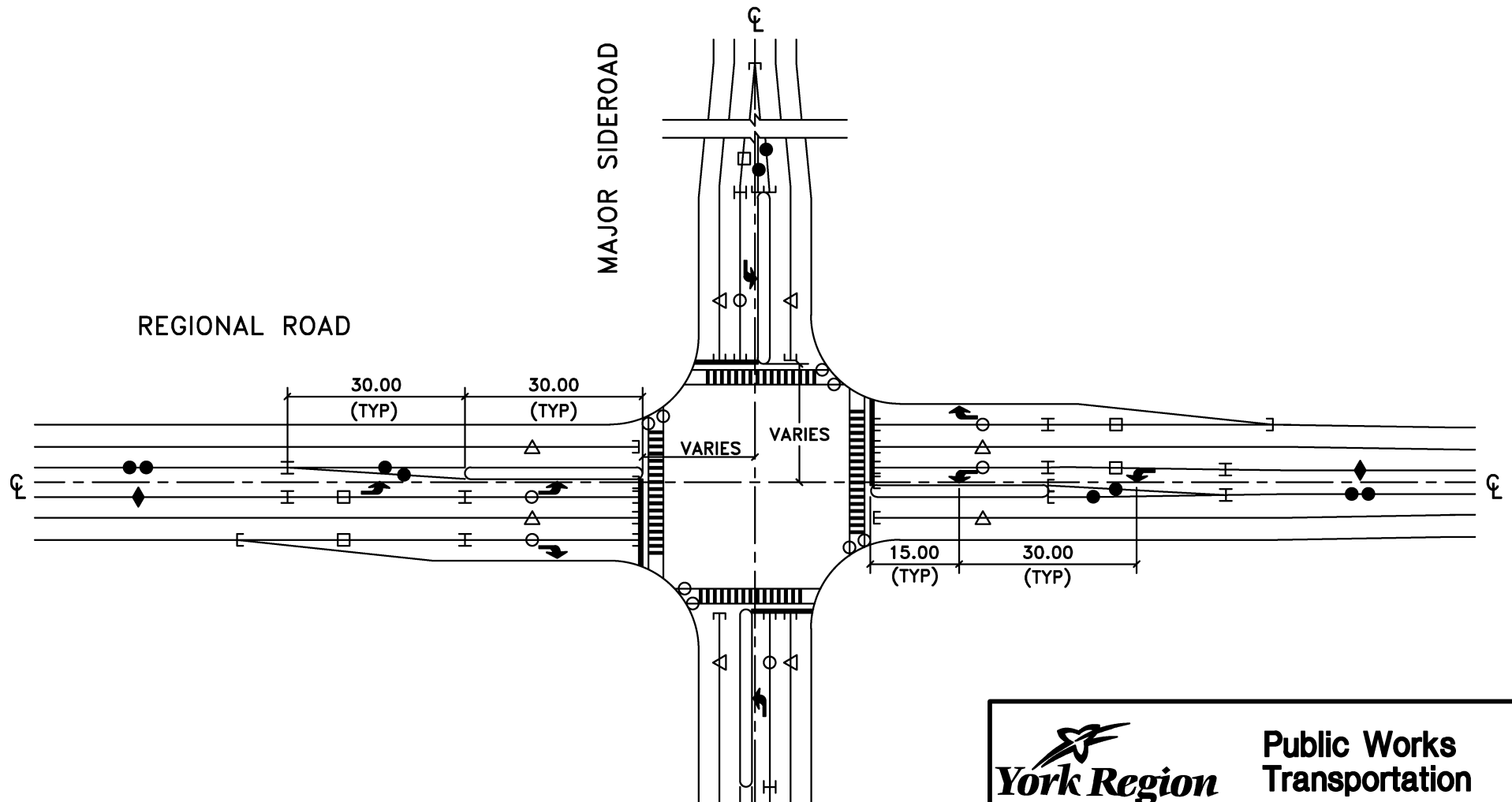
SCALE N.T.S.

REV.

X

X

DS-405



NOTES

1. ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED.
2. SEE STANDARD DRAWING DS-400 FOR PAVEMENT MARKING LEGEND.
3. EDGE LINES ARE TO BE USED ONLY WHERE THERE IS NO CURB AND GUTTER.
4. THIS STANDARD IS TO BE USED AS A GUIDE ONLY AND WILL REQUIRE ADJUSTMENTS TO SUIT FIELD CONDITIONS.



**Public Works
Transportation**

TYPICAL PAVEMENT MARKINGS FOR 4 LANE "X" INTERSECTION (WITH MEDIAN ISLANDS)

DATE: JANUARY 2023

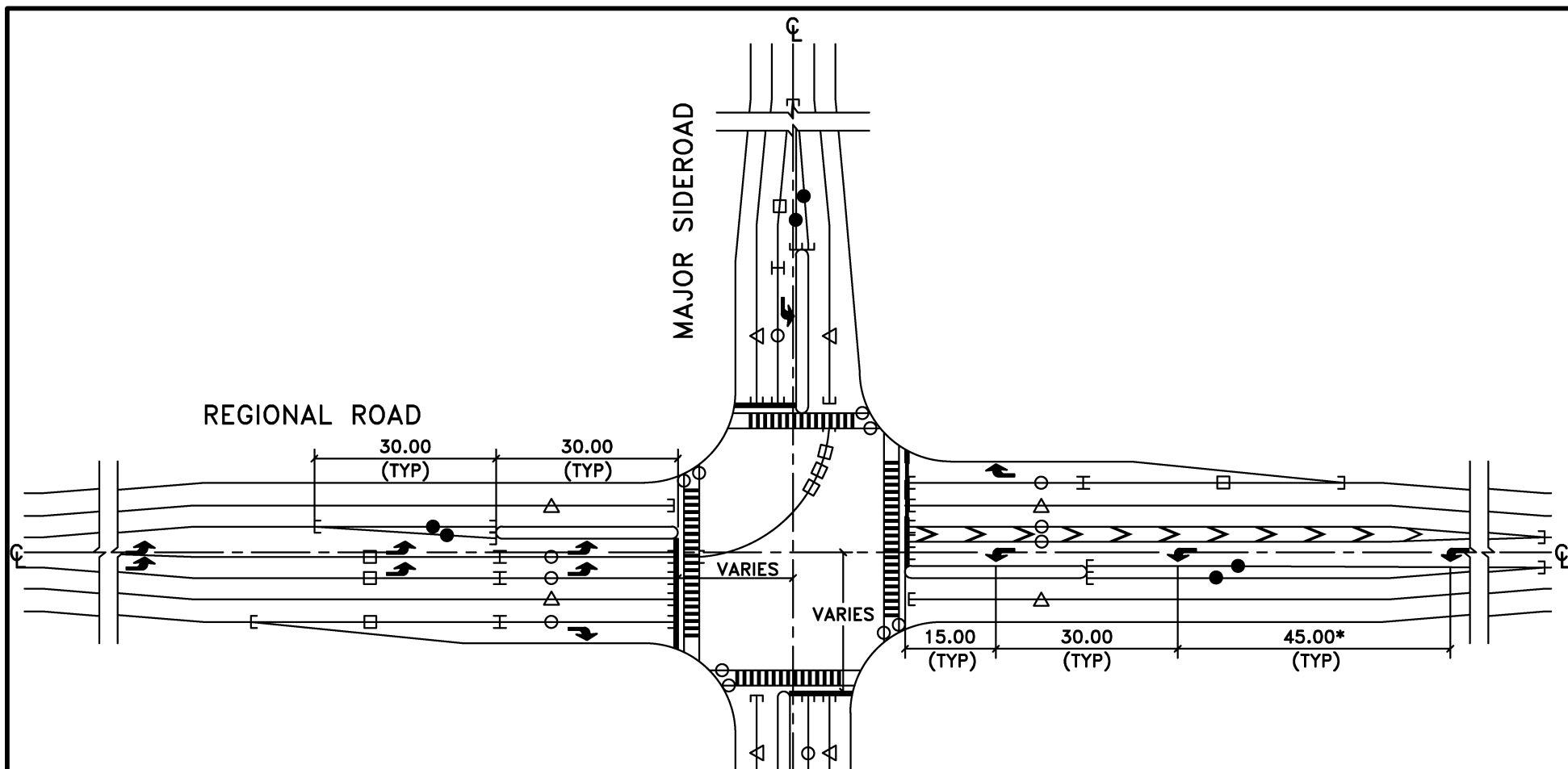
SCALE N.T.S.

REV.

X

X

DS-406



NOTES

1. ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED.
2. SEE STANDARD DRAWING DS-400 FOR PAVEMENT MARKING LEGEND.
3. EDGE LINES ARE TO BE USED ONLY WHERE THERE IS NO CURB AND GUTTER.
- *4. 3RD TURN ARROW REQUIRES MIN. 2.5m LANE WIDTH.
5. THIS STANDARD IS TO BE USED AS A GUIDE ONLY AND WILL REQUIRE ADJUSTMENTS TO SUIT FIELD CONDITIONS.



**Public Works
Transportation**

**TYPICAL PAVEMENT MARKINGS FOR
4 LANE "X" INTERSECTION
WITH MEDIAN ISLANDS
DOUBLE LEFT TURN LANE**

DATE: JANUARY 2023

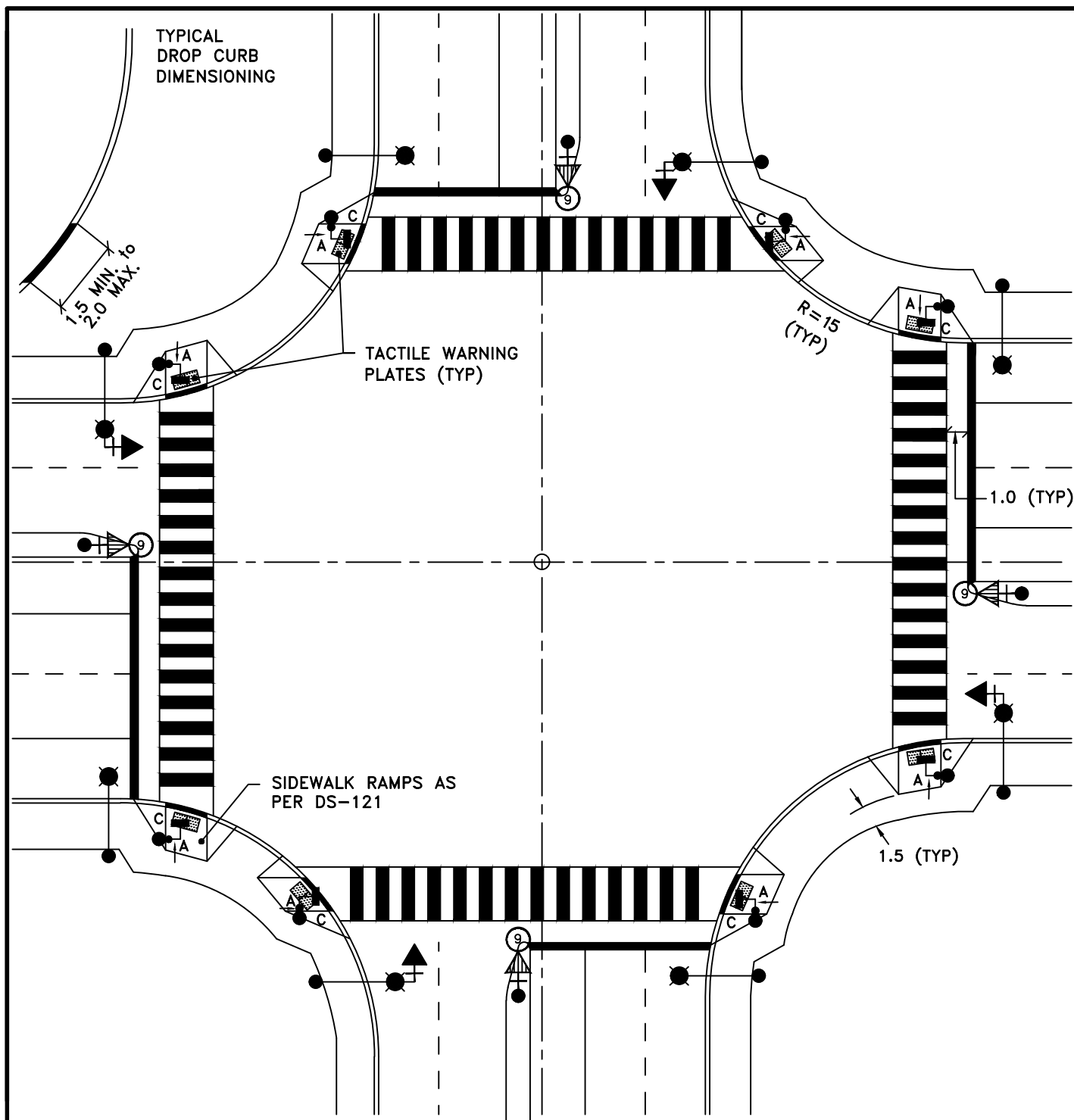
SCALE N.T.S.

REV.

X

X

DS-407



NOTES

1. ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED.
2. SEE STANDARD DRAWING DS-400 FOR PAVEMENT MARKING LEGEND.
3. SEE STANDARD DRAWING DS-119 FOR A MORE DETAILED CURB, PEDESTRIAN EQUIPMENT AND TACTILE PLATE LAYOUT
4. SEE STANDARD DRAWING DS-412 FOR TYPICAL ZEBRA PAVEMENT MARKING DETAIL.
5. THIS STANDARD IS TO BE USED AS A GUIDE ONLY AND WILL REQUIRE ADJUSTMENTS TO SUIT FIELD CONDITIONS.



**Public Works
Transportation**

**AODA COMPLIANT TYPICAL PEDESTRIAN
EQUIPMENT USING PEDESTRIAN
SIGNAL POLES AND CROSSWALKS
WITH TACTILE WARNING PLATES**

DATE: SEPTEMBER 2026

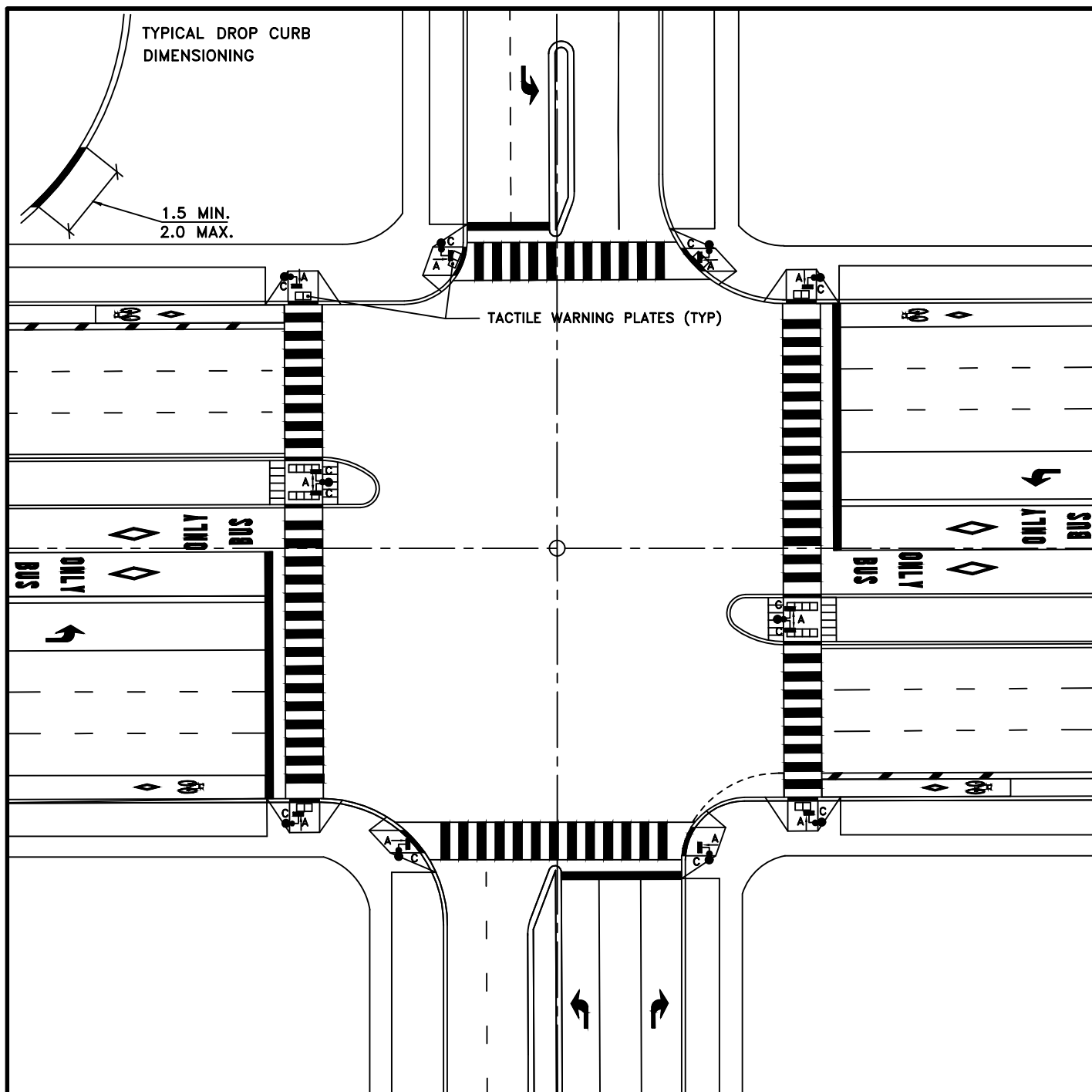
SCALE N.T.S.

REV.

X

X

DS-408



NOTES

1. ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED.
2. SEE STANDARD DRAWING DS-400 FOR PAVEMENT MARKING LEGEND.
3. SEE STANDARD DRAWING DS-119 FOR A MORE DETAILED CURB, PEDESTRIAN EQUIPMENT AND TACTILE PLATE LAYOUT
4. SEE STANDARD DRAWING DS-412 FOR TYPICAL ZEBRA PAVEMENT MARKING DETAIL.
5. THIS STANDARD IS TO BE USED AS A GUIDE ONLY AND WILL REQUIRE ADJUSTMENTS TO SUIT FIELD CONDITIONS.



**Public Works
Transportation**

AODA COMPLIANT TYPICAL PEDESTRIAN EQUIPMENT AND TACTILE WARNING PLATES FOR VIVA/RAPIDWAYS

DATE: SEPTEMBER 2026

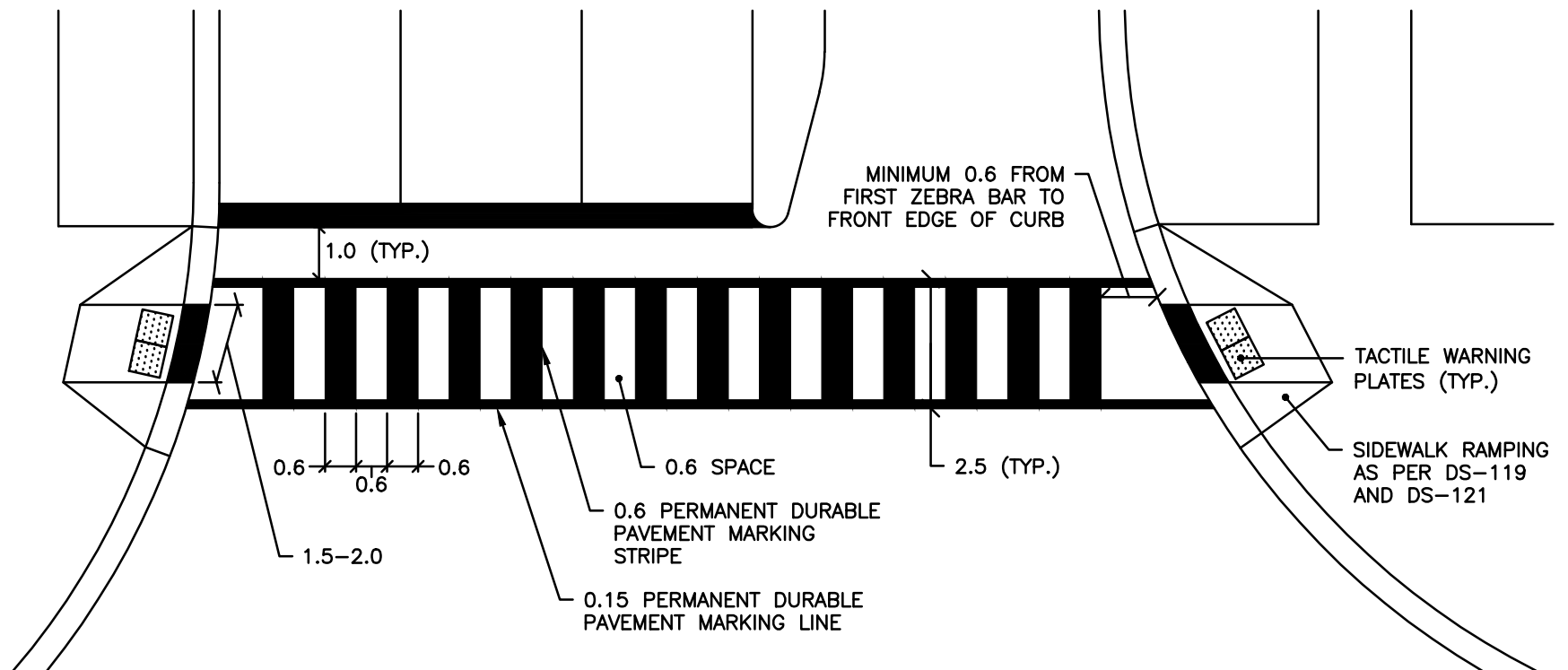
SCALE N.T.S.

REV.

X

X

DS-411



NOTES

1. ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED.
2. SEE STANDARD DRAWING DS-400 FOR PAVEMENT MARKING LEGEND.
3. CROSSWALK WIDTH CAN BE 3.0m AT HIGH PEDESTRIAN LOCATIONS, SCHOOL ZONES, RETIREMENT AREAS, ETC.
4. SEE STD. DWG. DS-408 FOR TYPICAL CROSSWALK LAYOUT AT SIGNALIZED INTERSECTIONS.
5. THIS STANDARD IS TO BE USED AS A GUIDE ONLY AND WILL REQUIRE ADJUSTMENTS TO SUIT FIELD CONDITIONS.



**Public Works
Transportation**

TYPICAL ZEBRA PAVEMENT MARKING DETAIL AT SIGNALIZED INTERSECTIONS

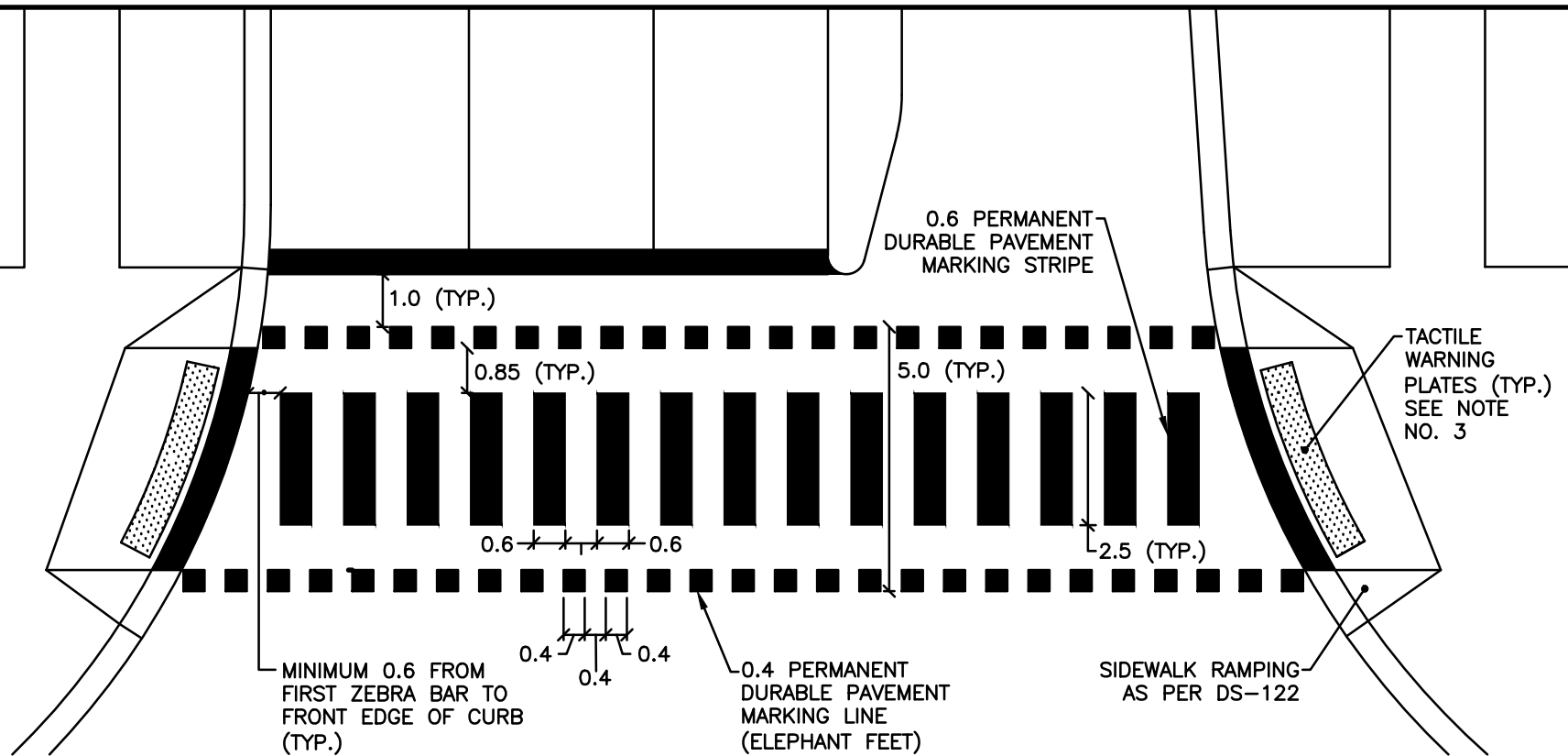
DATE: SEPTEMBER 2026

SCALE N.T.S.

REV.

X

DS-412



NOTE:

1. ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED.
2. RADIAL TACTILE PLATES OR TACTILE WEDGES SHALL BE USED TO ELIMINATE GAPS BETWEEN EACH TACTILE PLATE ALONG THE DROPPED CURB.
3. THIS STANDARD IS TO BE USED AS A GUIDE ONLY AND WILL REQUIRE ADJUSTMENTS TO SUIT FIELD CONDITIONS.



**Public Works
Transportation**

**TYPICAL CROSSRIDE PAVEMENT
MARKING DETAIL AT
SIGNALIZED INTERSECTIONS**

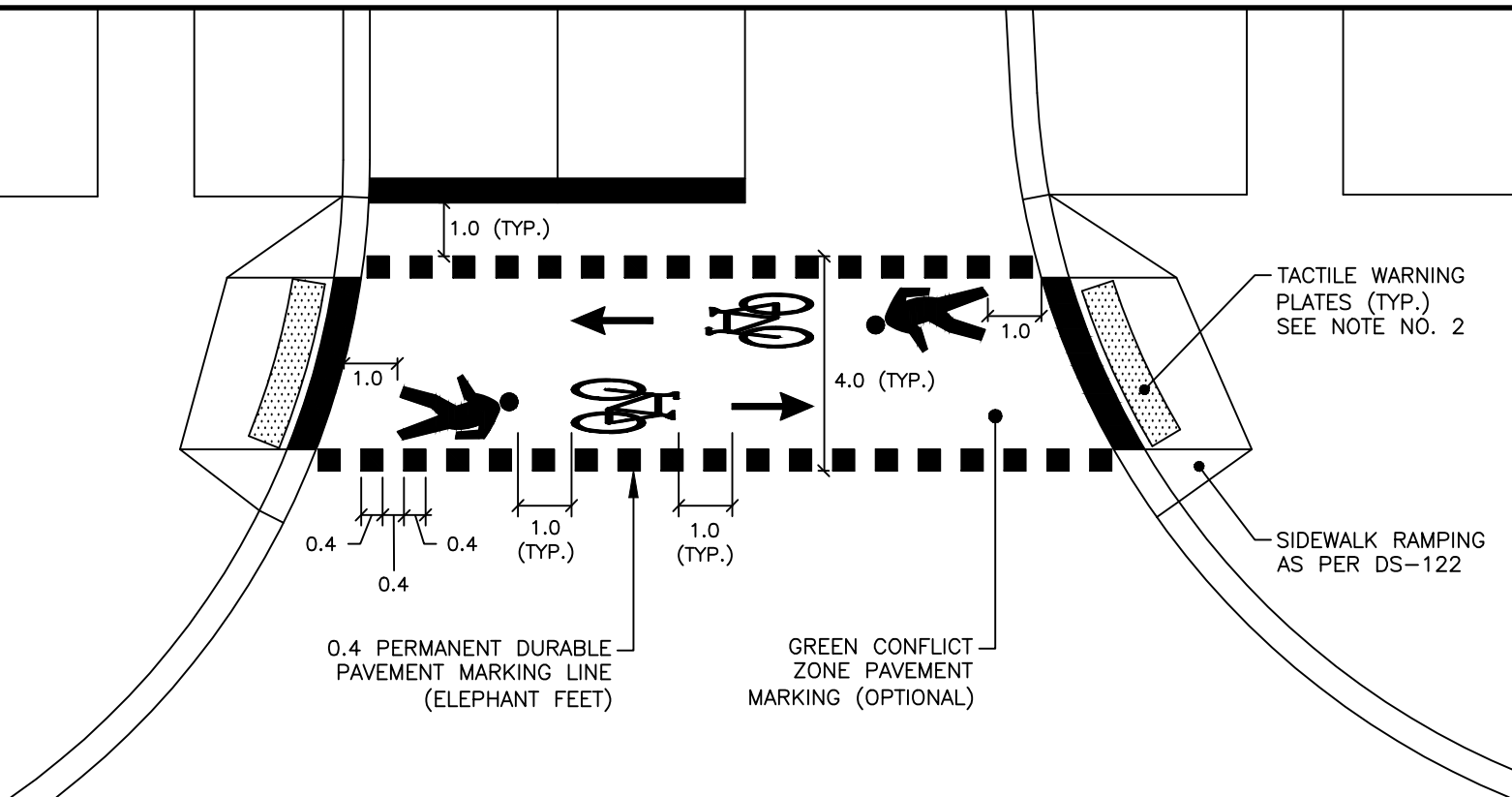
DATE: SEPTEMBER 2026

SCALE N.T.S.

REV.

X

DS-413



NOTES:

1. ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED.
2. RADIAL TACTILE PLATES OR TACTILE WEDGES SHALL BE USED TO ELIMINATE GAPS BETWEEN EACH TACTILE PLATE ALONG THE DROPPED CURB.
3. GREEN CONFLICT ZONE PAVEMENT MARKINGS MAY BE APPLIED WITHIN COMMUNITY SAFETY ZONES WHEN DIRECTED BY YORK REGION.
4. THIS STANDARD IS TO BE USED AS A GUIDE ONLY AND WILL REQUIRE ADJUSTMENTS TO SUIT FIELD CONDITIONS.



**Public Works
Transportation**

**TYPICAL CROSSRIDE PAVEMENT
MARKING DETAIL AT UNSIGNALIZED
INTERSECTIONS**

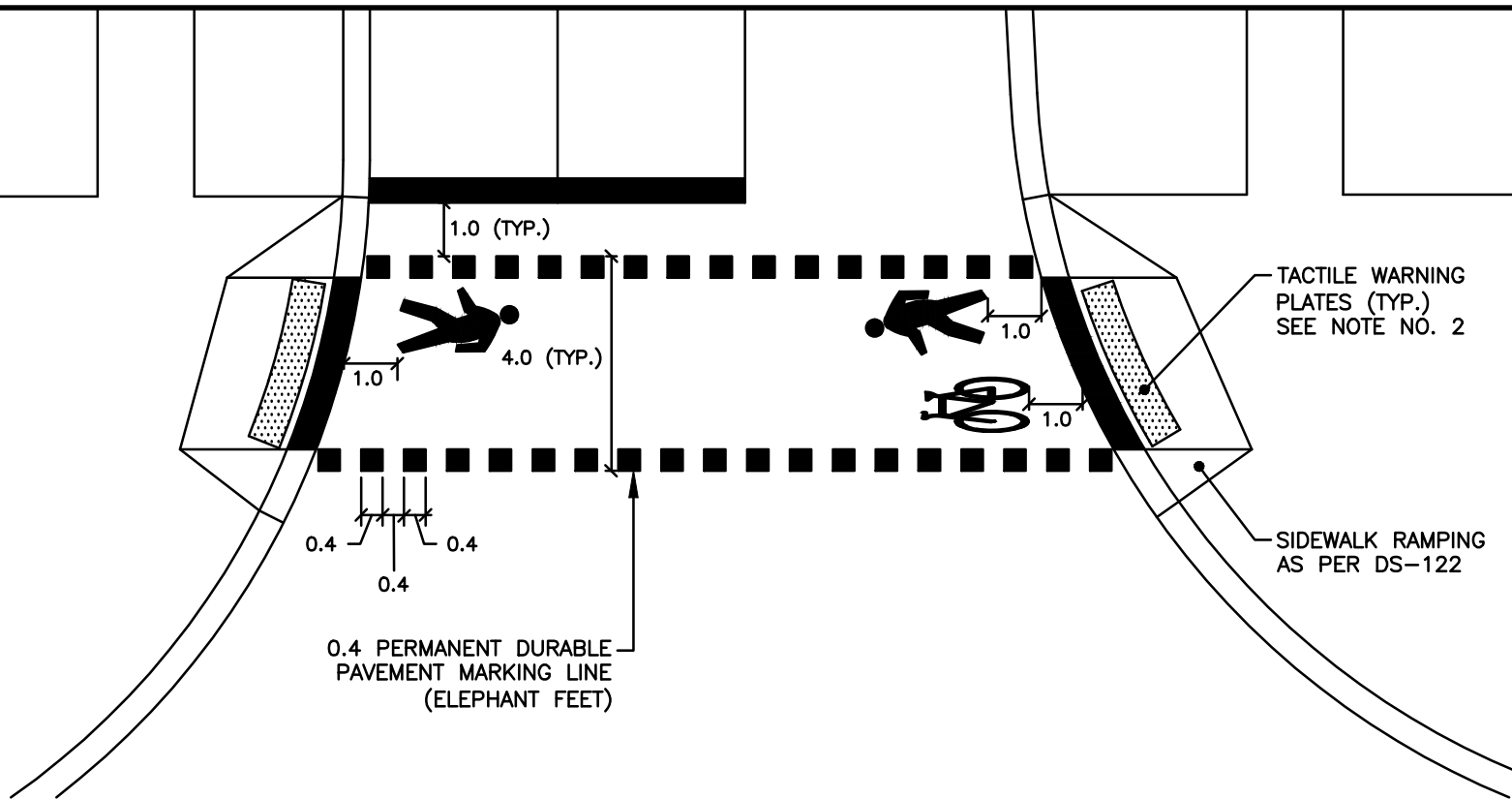
DATE: SEPTEMBER 2026

SCALE N.T.S.

REV.

X

DS-414



NOTES:

1. ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED.
2. RADIAL TACTILE PLATES OR TACTILE WEDGES SHALL BE USED TO ELIMINATE GAPS BETWEEN EACH TACTILE PLATE ALONG THE DROPPED CURB.
3. GREEN CONFLICT ZONE PAVEMENT MARKINGS MAY BE APPLIED WITHIN COMMUNITY SAFETY ZONES WHEN DIRECTED BY YORK REGION.
4. THIS STANDARD IS TO BE USED AS A GUIDE ONLY AND WILL REQUIRE ADJUSTMENTS TO SUIT FIELD CONDITIONS.



**Public Works
Transportation**

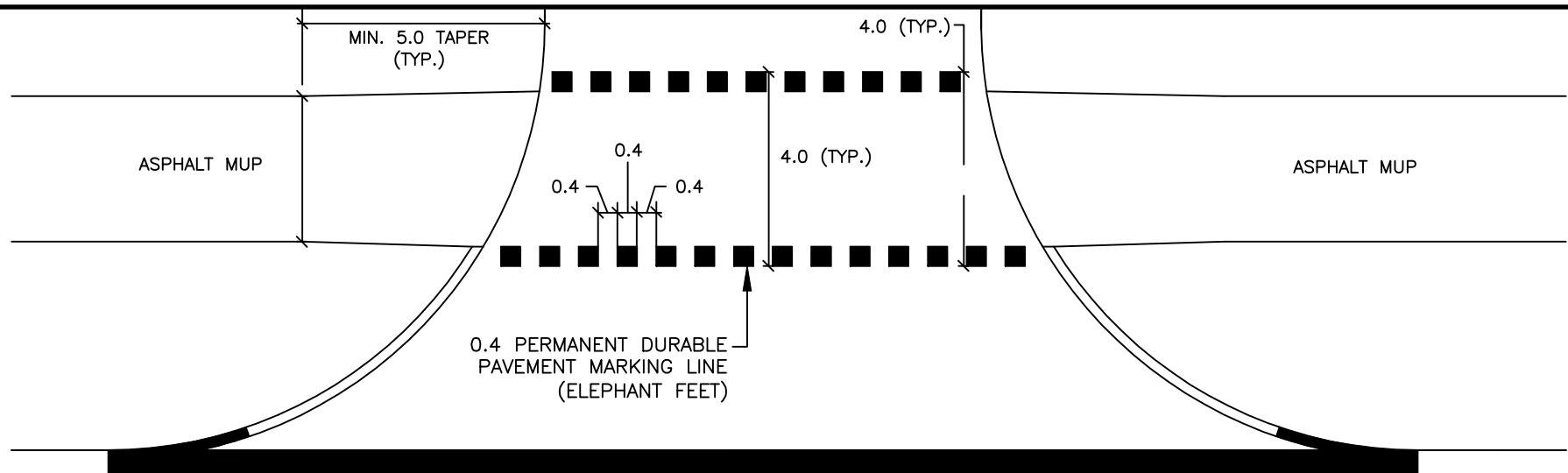
**TYPICAL CROSSRIDE PAVEMENT
MARKING DETAIL AT UNSIGNALIZED
INTERSECTIONS FOR UNIDIRECTIONAL
CYCLE TRACKS**

DATE: SEPTEMBER 2026

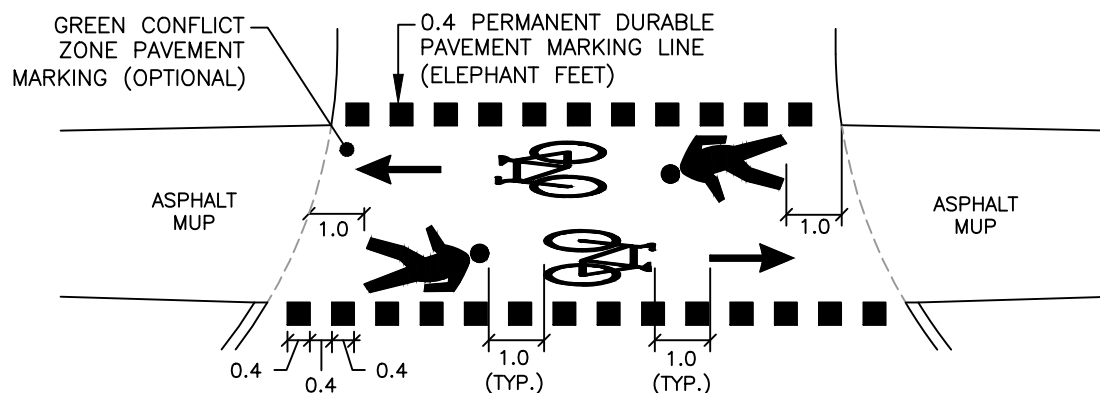
SCALE N.T.S.

REV.

DS-414B



**MULTI-FAMILY RESIDENTIAL OR COMMERCIAL/INDUSTRIAL DRIVEWAY
(LOW VOLUME)**



COMMERCIAL/INDUSTRIAL DRIVEWAY (HIGH VOLUME)

NOTES:

1. ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED.
2. FOR SINGLE FAMILY DRIVEWAY, FACILITIES SHOULD BE CARRIED THROUGH THE DRIVEWAY WITH NO PAVEMENT MARKINGS.
3. GREEN CONFLICT ZONE PAVEMENT MARKINGS MAY BE APPLIED WITHIN COMMUNITY SAFETY ZONES WHEN DIRECTED BY YORK REGION.
4. THIS STANDARD IS TO BE USED AS A GUIDE ONLY AND WILL REQUIRE ADJUSTMENTS TO SUIT FIELD CONDITIONS.



**Public Works
Transportation**

**TYPICAL CROSSRIDE PAVEMENT
MARKING DETAIL AT
DRIVEWAY WITH
MULTI-USE PATH CROSSING**

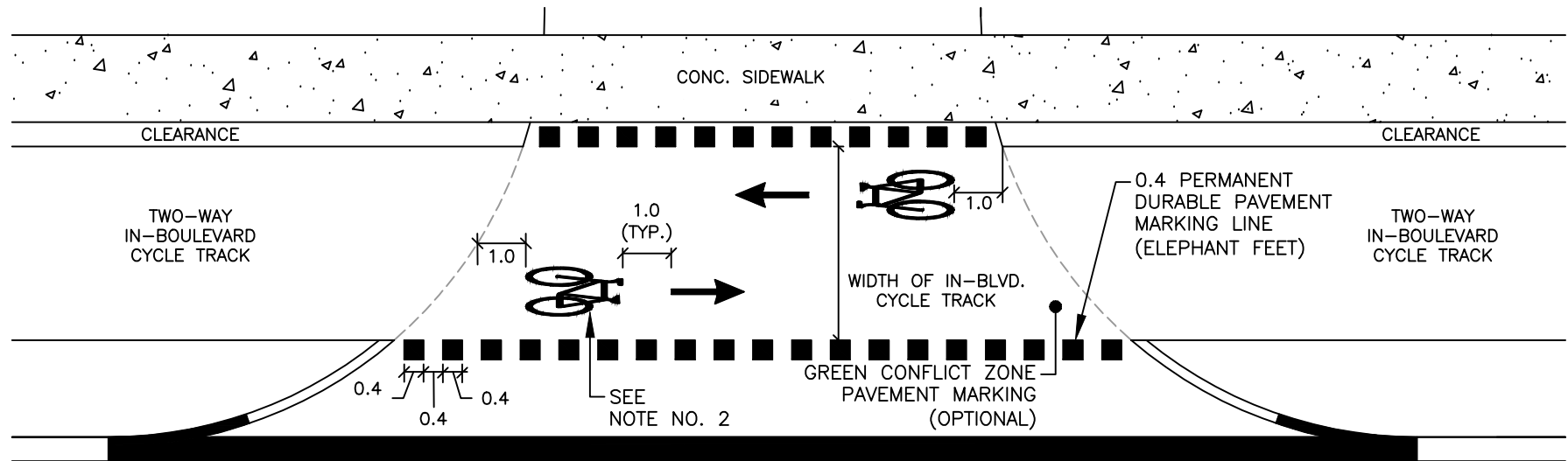
DATE: SEPTEMBER 2026

SCALE N.T.S.

REV.

X

DS-415



MULTI-FAMILY RESIDENTIAL OR COMMERCIAL/INDUSTRIAL DRIVEWAY

NOTES:

1. ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED.
2. FOR ONE-WAY IN-BOULEVARD CYCLE TRACK, ONLY ONE BICYCLE SYMBOL AND ONE DIRECTION ARROW ARE REQUIRED.
3. FOR SINGLE FAMILY DRIVEWAY, FACILITIES SHOULD BE CARRIED THROUGH THE DRIVEWAY WITH NO PAVEMENT MARKINGS.
4. GREEN CONFLICT ZONE PAVEMENT MARKINGS MAY BE APPLIED WITHIN COMMUNITY SAFETY ZONES WHEN DIRECTED BY YORK REGION.
5. THIS STANDARD IS TO BE USED AS A GUIDE ONLY AND WILL REQUIRE ADJUSTMENTS TO SUIT FIELD CONDITIONS.



**Public Works
Transportation**

TYPICAL CROSSRIDE PAVEMENT MARKING DETAIL AT DRIVEWAY WITH IN-BOULEVARD CYCLE TRACK CROSSING

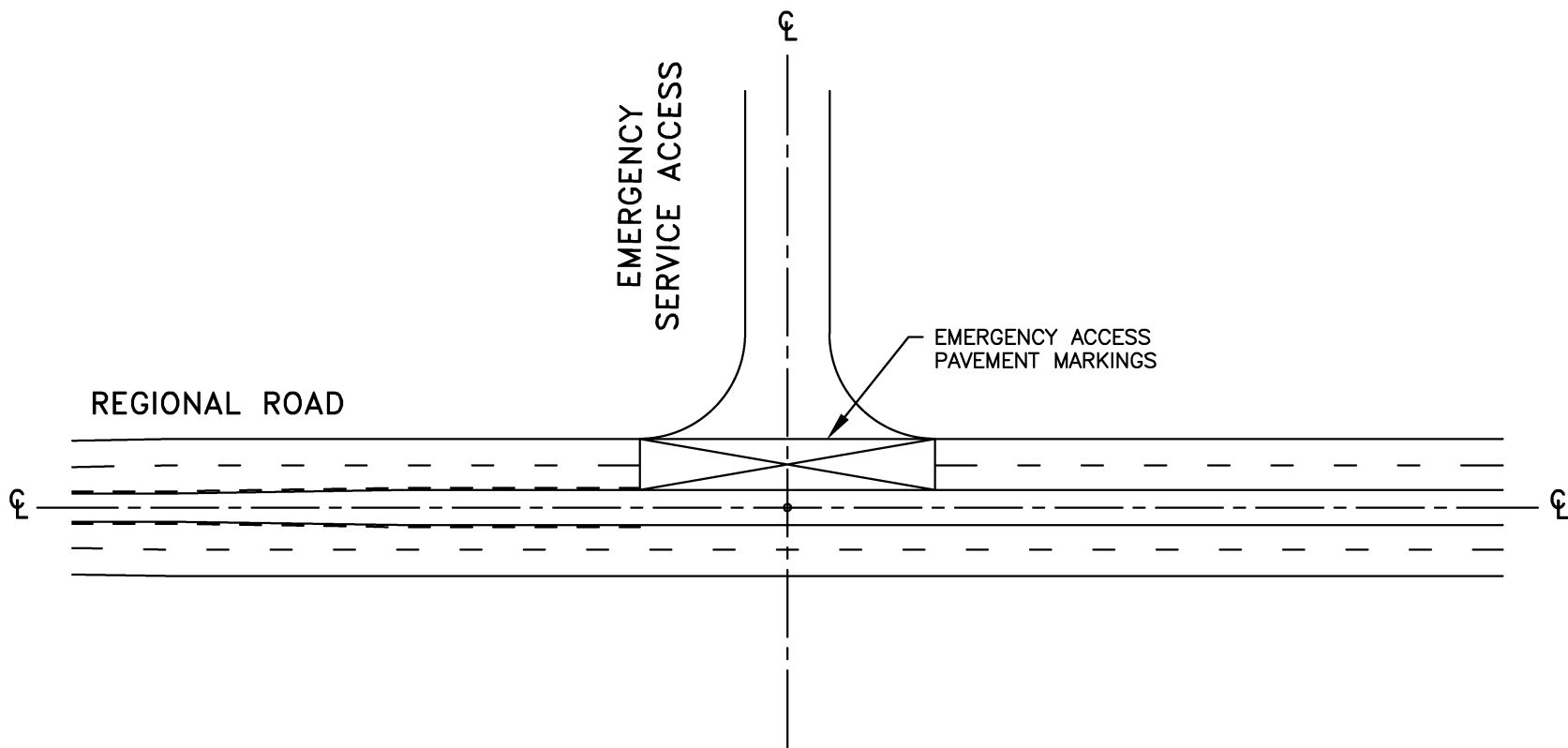
DATE: SEPTEMBER 2026

SCALE N.T.S.

REV.

X

DS-416



NOTES

1. ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED.
2. EMERGENCY SERVICE ACCESS PAVEMENT MARKINGS SHALL BE DURABLE IN ORDER TO WITHSTAND WEAR OF DAILY COMMUTERS.
3. ALL EMERGENCY SERVICE ACCESS PAVEMENT MARKINGS SHALL BE 0.1m WIDE SOLID YELLOW DURABLE PAVEMENT MARKING UNLESS OTHERWISE STATED.



**Public Works
Transportation**

PAVEMENT MARKINGS FOR EMERGENCY SERVICE ACCESS

DATE: JANUARY 2023

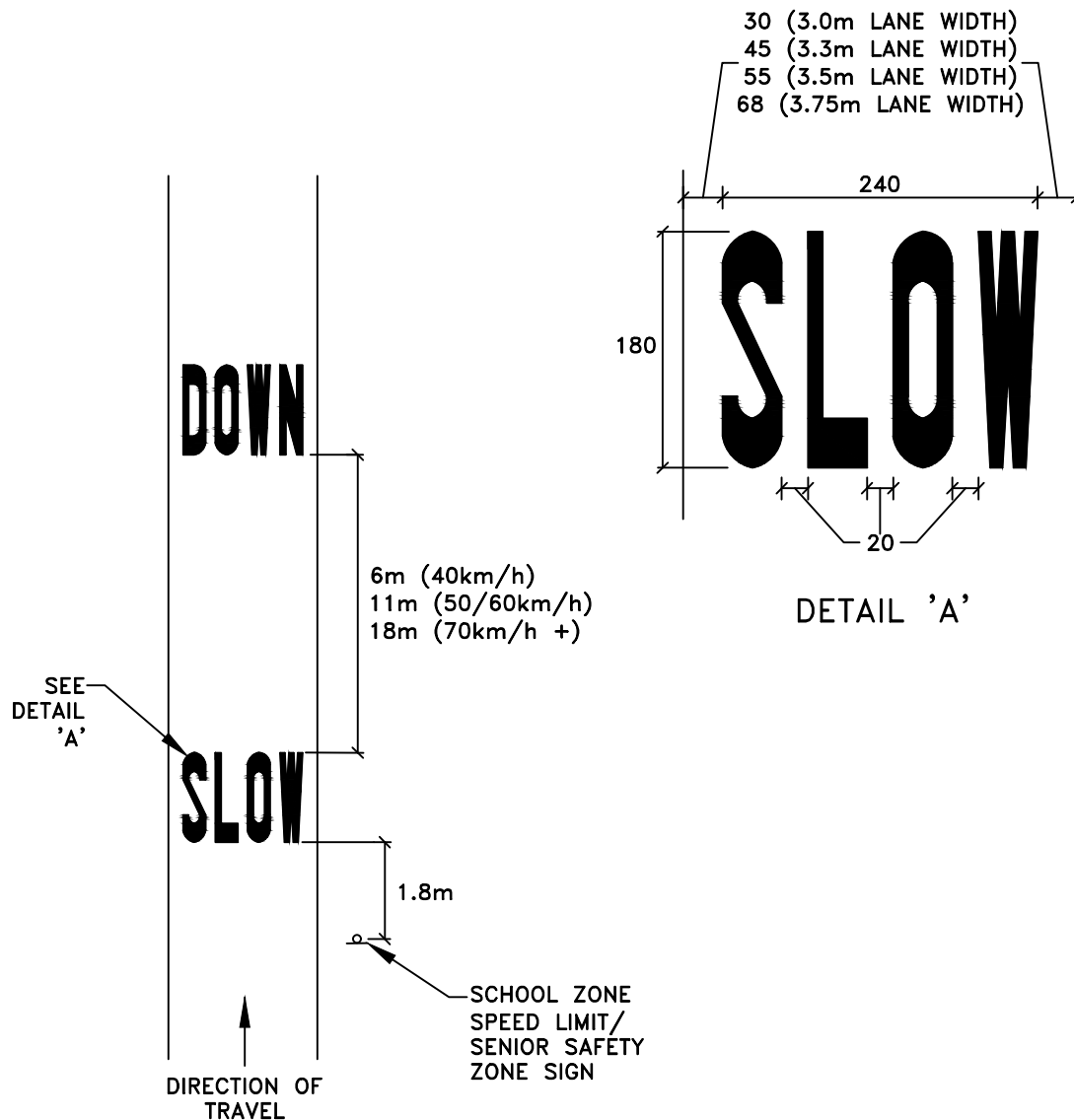
SCALE N.T.S.

REV.

X

X

DS-420



NOTES

1. ALL DIMENSIONS ARE IN cm UNLESS OTHERWISE NOTED.
2. LETTER DIMENSIONS SHALL CONFORM TO OTM BOOK 11 PAVEMENT MARKING STANDARDS.
3. SPACING BETWEEN 'SLOW' AND 'DOWN' SHALL BE BASED ON THE REGULAR POSTED SPEED LIMIT.
4. PAVEMENT MARKINGS SHALL BE CENTERED WITHIN THE TRAVELED LANE.
5. THIS STANDARD IS TO BE USED AS A GUIDE AND MAY REQUIRE ADJUSTMENT TO SUIT FIELD CONDITIONS.



**Public Works
Transportation**

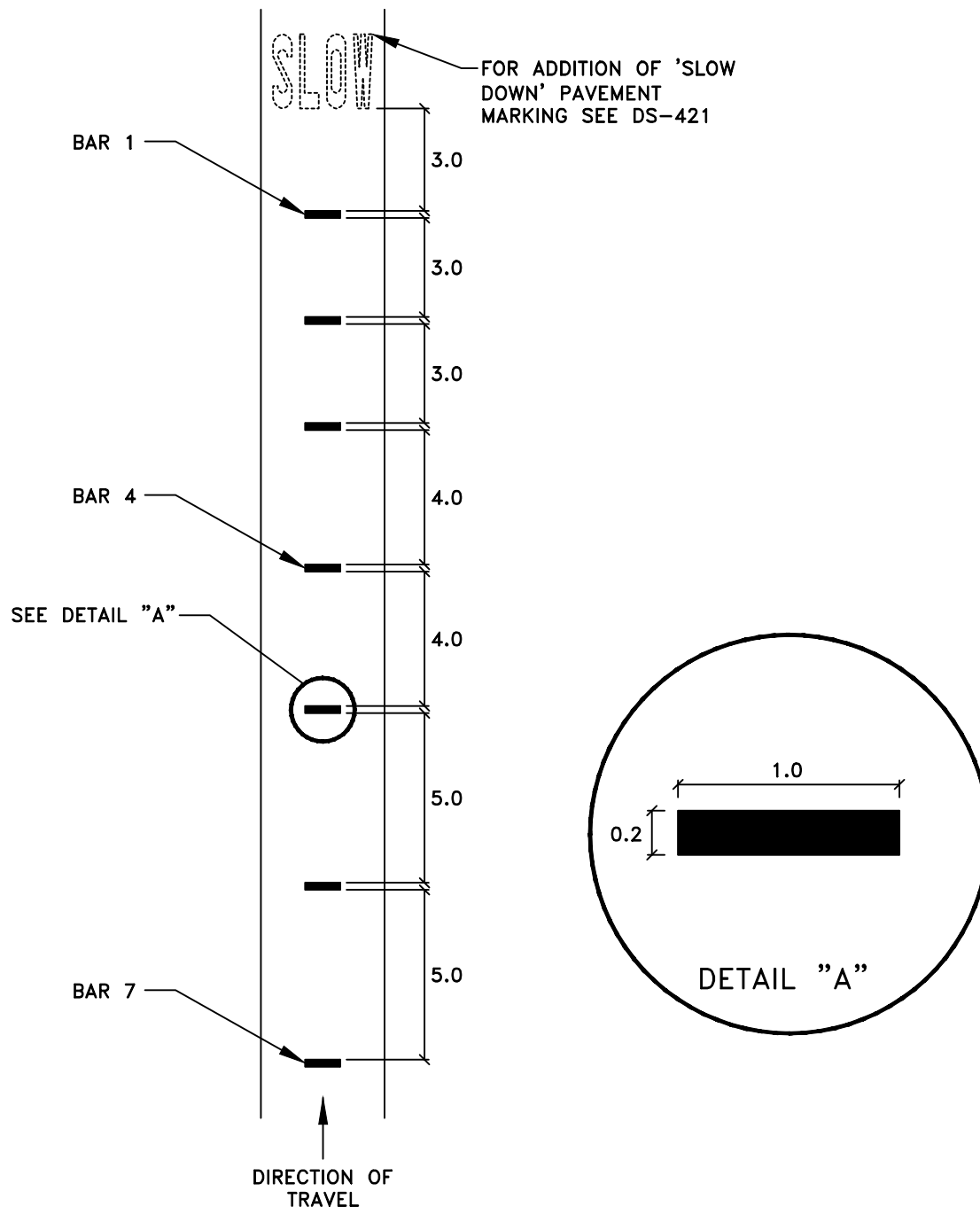
TYPICAL PAVEMENT MARKINGS FOR SLOW DOWN TEXT MARKING

DATE: SEPTEMBER 2026

SCALE N.T.S.

REV.

DS-421



LOCATION OF BAR	SPACING FROM PREVIOUS BAR (m)	DISTANCE FROM 'SLOW' MARKING (IF APPLICABLE)
1	N/A	3
2	3	6
3	3	9
4	4	13
5	4	17
6	5	22
7	5	27

NOTES

1. ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED.
2. BARS SHALL BE INSTALLED PERPENDICULAR TO THE DIRECTION OF TRAVEL.
3. THIS STANDARD SHALL BE USED AS A GUIDE ONLY AND MAY REQUIRE ADJUSTMENT TO SUIT FIELD CONDITIONS.



**Public Works
Transportation**

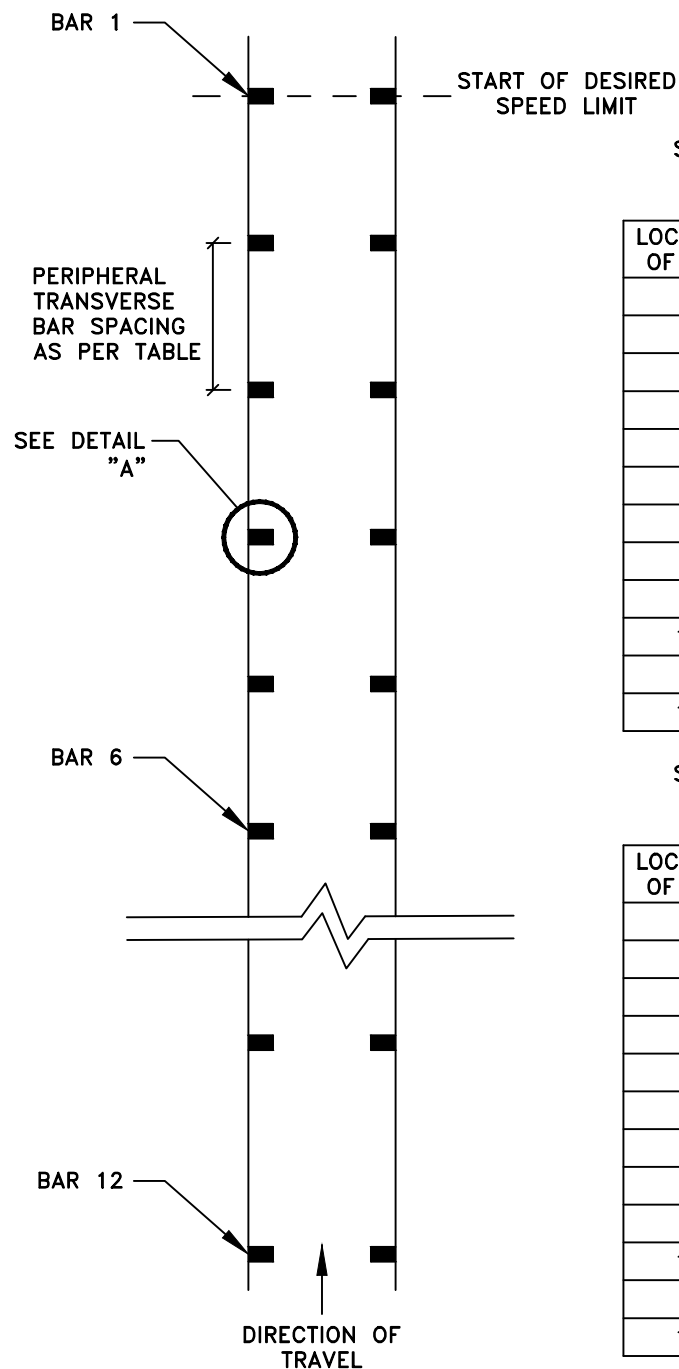
TYPICAL PAVEMENT MARKINGS FOR OPTICAL SPEED BARS

DATE: SEPTEMBER 2026

SCALE N.T.S.

REV.

DS-422

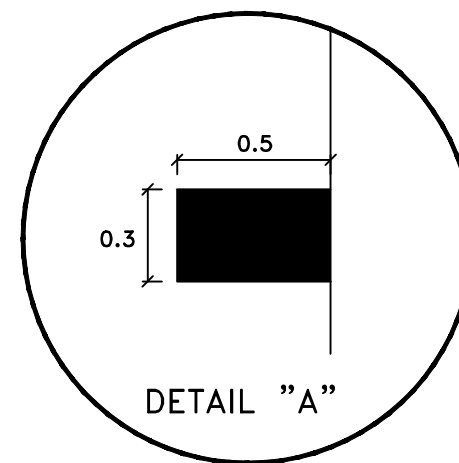


SPACING BETWEEN SEQUENTIAL PAIRS OF
PERIPHERAL TRANSVERSE BARS
(FROM 60 KM/H TO 40 KM/H)

LOCATION OF BAR	DISTANCE (m)	SPACING (m)	DESIRED SPEED (km/h)
1	0	0	40
2	3	3	42
3	6	3	43
4	9	3	45
5	12	3	48
6	15	3	50
7	19	3	51
8	22	4	53
9	26	4	55
10	30	4	56
11	34	4	58
12	38	4	60

SPACING BETWEEN SEQUENTIAL PAIRS OF
PERIPHERAL TRANSVERSE BARS
(FROM 80 KM/H TO 60 KM/H)

LOCATION OF BAR	DISTANCE (m)	SPACING (m)	DESIRED SPEED (km/h)
1	0	0	60
2	4	4	61
3	8	4	64
4	12	4	66
5	16	4	68
6	21	4	69
7	25	5	71
8	30	5	72
9	35	5	74
10	40	5	77
11	45	5	79
12	50	5	80



NOTES

1. ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED.
2. PERIPHERAL SPEED BARS SHALL BE INSTALLED PERPENDICULAR TO THE DIRECTION OF TRAVEL ON THE EDGE OF THE LANE MARKING.
3. THIS STANDARD SHALL BE USED AS A GUIDE ONLY AND MAY REQUIRE ADJUSTMENT TO SUIT FIELD CONDITIONS.



**Public Works
Transportation**

TYPICAL PAVEMENT MARKINGS FOR PERIPHERAL SPEED BARS

DATE: SEPTEMBER 2026 SCALE N.T.S.

REV.

DS-423