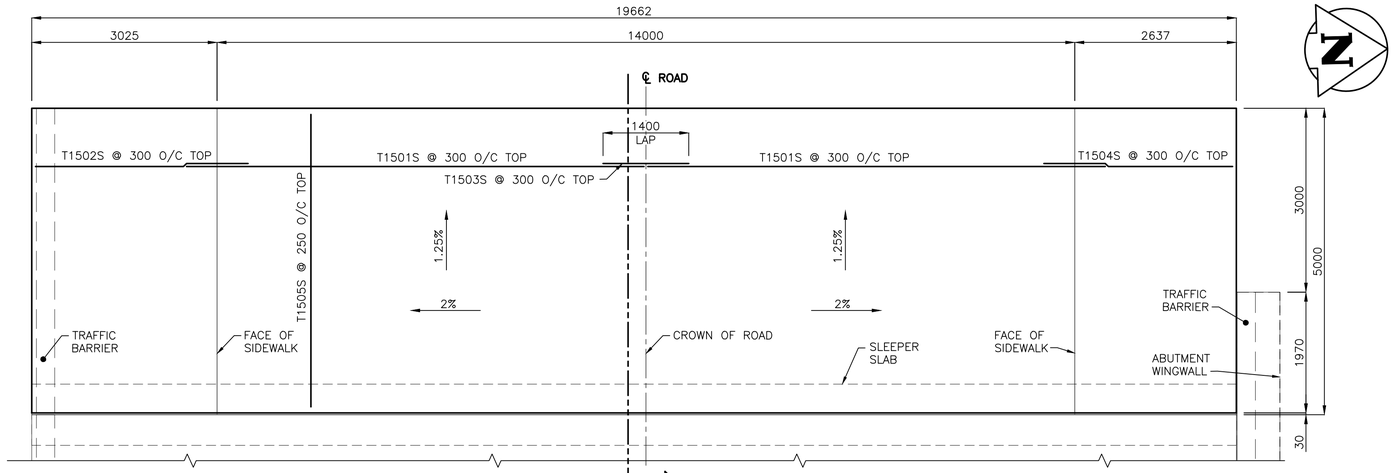
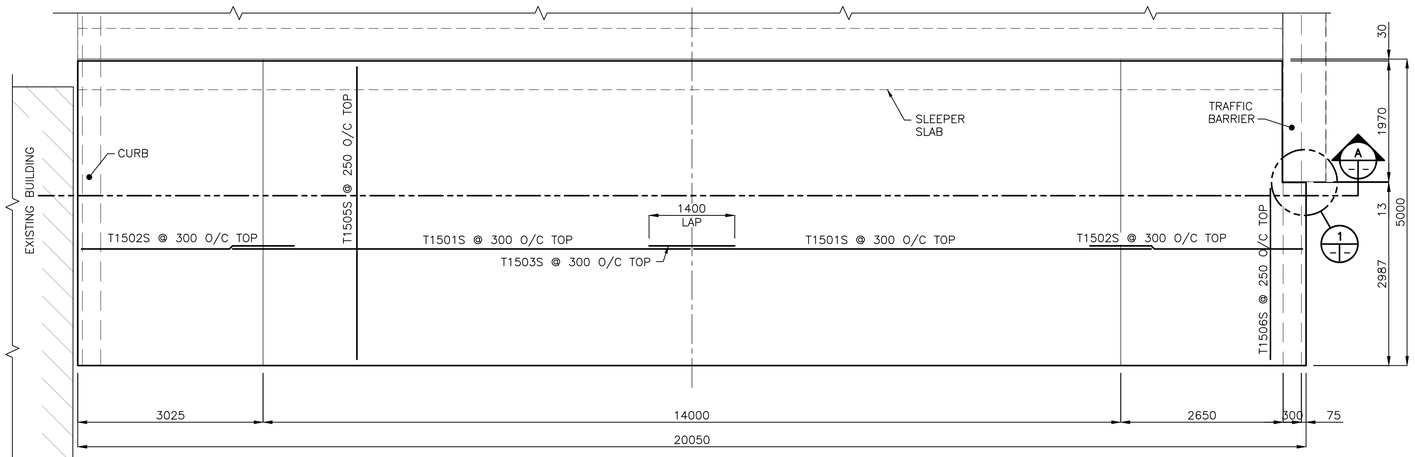
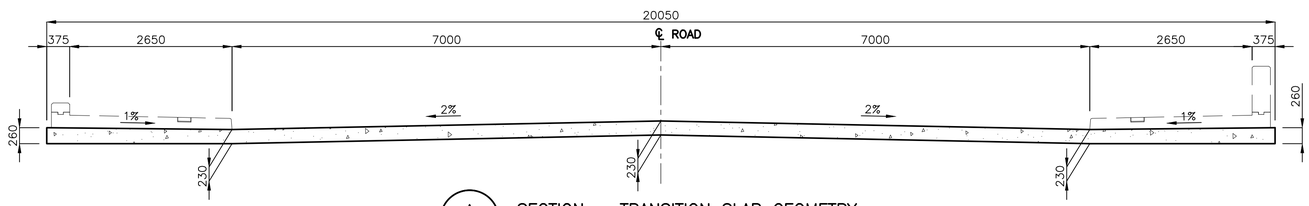


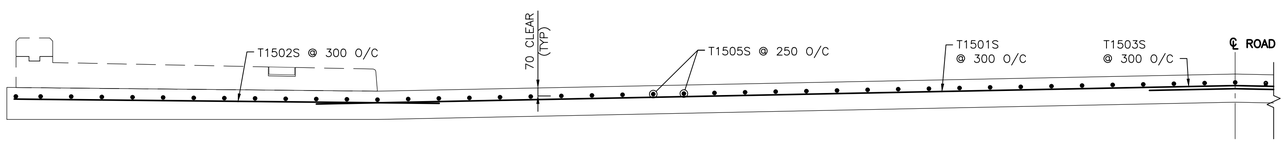
PLAN – WEST TRANSITION SLAB
1:50

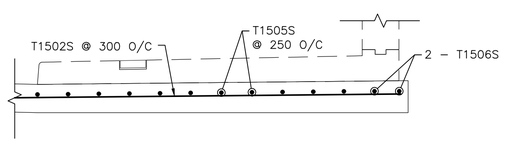


PLAN – EAST TRANSITION SLAB
1:50



A SECTION – TRANSITION SLAB GEOMETRY
1:50





A SECTION – TRANSITION SLAB REINFORCEMENT
1:25

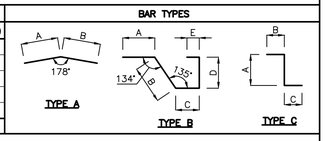
BILL OF REINFORCING STEEL

TOTAL TRANSITION SLABS

STRAIGHT BARS				BENT BARS									
MARK	QTY.	LENGTH (mm)	MASS (kg)	MARK	QTY.	TYPE	A	B	C	D	E	F	LENGTH (mm)	MASS (kg)
T1501S	68	7500	800.7	T1503S	34	A	700	700					1400	74.7
T1502S	44	3470	239.7	T1507S	158	B	600	230	350	170	250		1600	369.9
T1504S	24	3080	116.1	T1508S	158	C	500	250	250				1000	248.1
T1505S	158	4770	1183.2											
T1506S	2	2787	8.8											

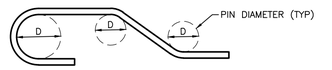
TOTAL MASS OF STAINLESS STEEL REINFORCING FOR TWO (2) TRANSITION SLABS = 3,068.2 kg

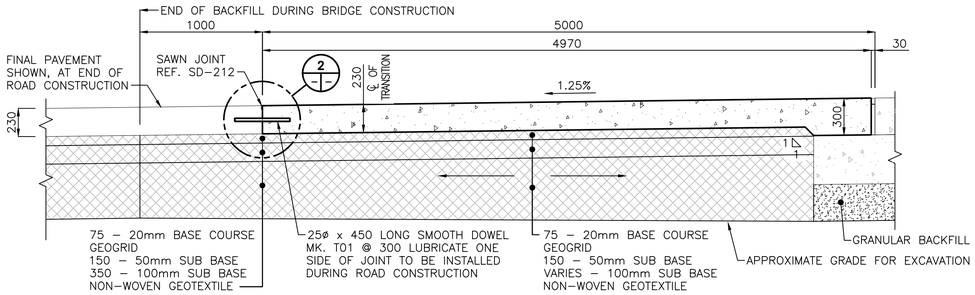
BAR TYPES



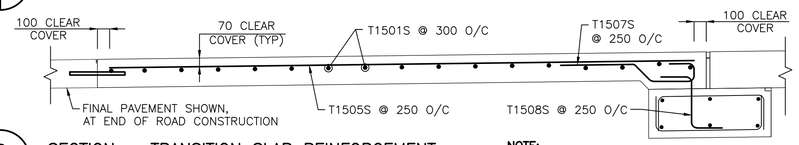
NOTE:

1. ALL DIMENSIONS GIVEN IN BENDING DIAGRAM ARE OUT TO OUT, EXCEPT RADII WHICH ARE INSIDE DIMENSIONS. ALL REINFORCING STEEL BENDS AND HOOKS SHALL CONFORM TO CLAUSE 6.6.2 OF C.S.A. A23.1–19, UNLESS NOTED OTHERWISE IN THE BILL OF REINFORCING STEEL.
2. ALL REINFORCING STEEL SHALL BE DEFORMED STEEL, UNLESS NOTED OTHERWISE IN THE BILL OF REINFORCING STEEL.
3. ALL STAINLESS STEEL REINFORCING SHALL CONFORM TO ASTM A955M, 300 SERIES MINIMUM GRADE 420.
4. LIKE BARS SHALL BE BUNDLED, SECURELY TIED AND IDENTIFIED AS TO MARK AND SITE NO. BY APPROPRIATE MEANS. ALL OTHER ITEMS TO BE IDENTIFIED IN A SIMILAR FASHION.
5. UNLESS OTHERWISE NOTED, PIN DIAMETERS SHALL BE SIMILAR AT ALL BENDS AND HOOKS OF A BAR IN ACCORDANCE WITH THE FOLLOWING DETAIL:



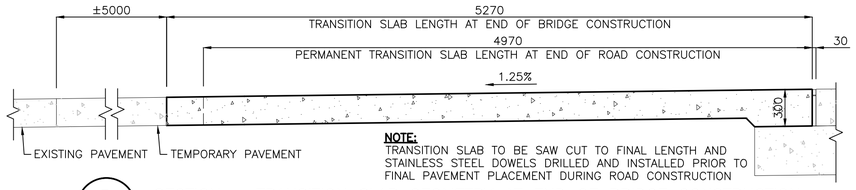


B SECTION – TRANSITION SLAB GEOMETRY AT END OF ROAD CONSTRUCTION
1:25



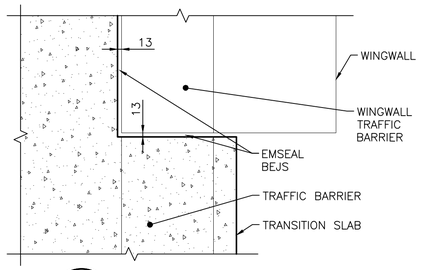
B SECTION – TRANSITION SLAB REINFORCEMENT
1:25

NOTE:
REFER TO SHEET 13 FOR SLEEPER SLAB REINFORCEMENT. 100mm COVER AT JOINT.

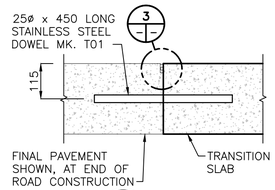


NOTE:
TRANSITION SLAB TO BE SAW CUT TO FINAL LENGTH AND STAINLESS STEEL DOWELS DRILLED AND INSTALLED PRIOR TO FINAL PAVEMENT PLACEMENT DURING ROAD CONSTRUCTION

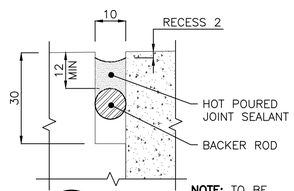
B SECTION – TRANSITION SLAB GEOMETRY AT END OF BRIDGE CONSTRUCTION
1:25



1 DETAIL
1:10



2 DETAIL
1:10



3 DETAIL
1:1

NOTE: TO BE INSTALLED DURING ROAD CONSTRUCTION

BILL OF REINFORCING STEEL

MARK	QTY.	DESCRIPTION	SIZE	COMPONENT MASS (kg)	MASS PER UNIT (kg)	TOTAL MASS (kg)
T01	133	25ø x 450 LONG STAINLESS STEEL DOWEL	AS DESCRIBED	1.7	1.7	231.4

APEGM
Certificate of Authorization
Stantec Consulting Ltd.
No. 1301

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE — DATE

NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M.
ELEV.

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	19.09.18	J.M.B.

Stantec
500 - 311 Portage Avenue, Winnipeg MB Canada
www.stantec.com

DESIGNED BY	H.M.V.	CHECKED BY	C.D.
DRAWN BY	J.M.B.	APPROVED BY	K.S.A.
HOR. SCALE: / VERTICAL:	1:50 OR AS NOTED	RELEASED FOR CONSTRUCTION:	
DATE	2019.09.18	DATE	

ENGINEER'S SEAL

TENDER DRAWING
NOT TO BE USED FOR CONSTRUCTION

CONSULTANT DRAWING NO.
S-111

Winnipeg
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

DUBLIN AVENUE BRIDGE REPLACEMENT
PROPOSED BRIDGE STRUCTURE
TRANSITION SLAB DETAILS

SHEET 14 OF 48
CAD FILE DRAWING NUMBER 33340s-111-926.dwg
CITY DRAWING NUMBER B105-19-14

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2019/09/18 2:13 PM By: Hsin, Jolie