



2 ROWS OF 1-D3602X + 1-D3606X (ALT.) TOP @ N & S SIDE OF BRIDGE DECK SEE SECTION 'A' ON SHEET 040 FOR SPACING

2 ROWS x 2 LAYERS OF 1-D3602X + 1-D3606X (ALT.) TOP BETWEEN GIRDER SPACING @ 9 LOCATIONS SEE SECTION 'A' ON SHEET 040 FOR SPACING

3 ROWS OF 1-D1602X + 1-D1617X (ALT.) TOP OVER TOP FLANGE @ 10 LOCATIONS SEE SECTION 'A' ON SHEET 040 FOR SPACING

1-D2912X (TOP) FOR SIMILAR END TRANSVERSE & CLOSURE BAR REINFORCING SEE OTHER END

EXTRA D2905X-0 (TOP) D2904X-1 (BOT.) D2905X-1 (TOP) D2904X-9 (BOT.) D2905X-9 (TOP)

2 ROWS OF 1-D2901X + 1-D2902X (ALT.) (REBAR TO BE INSTALLED THRU GIRDER WEB HOLES)

1 EA. OF D2904X (1 TO 9) BOT. (REBAR TO BE INSTALLED THRU GIRDER WEB HOLES)

1 EA. OF D2905X (1 TO 9) TOP (SPACING TO MATCH BOT. REBARS)

38-D1901X = TOTAL NO. OF STIRRUPS (STIRRUPS REQ'D. BETWEEN EACH GIRDER SPACING TO BE CONFIRMED TO SUIT DURING REBAR INSTALLATION)

8-D1902X @ 300 (STIRRUPS @ S SIDE OF BRIDGE DECK) 2-D1902X @ 300 (STIRRUPS @ N SIDE OF BRIDGE DECK)

7 - D1903X-2 + 7-D1904X IN PAIRS @ 300 (DOWELS FOR WALKWAY SLAB @ S SIDE OF BRIDGE DECK) 1 - D1903X-2 + 1-D1904X IN PAIRS @ 300 (DOWELS FOR WALKWAY SLAB @ N SIDE OF BRIDGE DECK)

7 ROWS OF 1-D2901X + 1-D2902X (ALT.) @ 300 BOT. (REBAR TO BE INSTALLED THRU GIRDER WEB HOLES)

7 ROWS x 9 OF D1901X @ 300 (STIRRUPS BETWEEN GIRDER SPACING)

7-D1902X @ 300 (STIRRUPS @ N & S SIDE OF BRIDGE DECK)

7 - D1903X-2 + 7-D1904X IN PAIRS @ 300 (DOWELS FOR WALKWAY SLAB @ N & S SIDE OF BRIDGE DECK)

4 ROWS OF 1-D2501X + 1-D2502X (ALT.) @ 300 BOT. (REBAR TO BE INSTALLED THRU GIRDER WEB HOLES)

4 ROWS x 9 OF D1901X @ 300 (STIRRUPS BETWEEN GIRDER SPACING)

4-D1902X @ 300 (STIRRUPS @ N & S SIDE OF BRIDGE DECK)

4 - D1903X-2 + 4-D1904X IN PAIRS @ 300 (DOWELS FOR WALKWAY SLAB @ N & S SIDE OF BRIDGE DECK)

11 ROWS OF 1-D2501X + 1-D2502X (ALT.) @ 300 BOT. (REBAR TO BE INSTALLED THRU GIRDER WEB HOLES)

11 ROWS x 9 OF D1901X @ 300 (STIRRUPS BETWEEN GIRDER SPACING)

11-D1902X @ 300 (STIRRUPS @ N & S SIDE OF BRIDGE DECK)

11 - D1903X-2 + 11-D1904X IN PAIRS @ 300 (DOWELS FOR WALKWAY SLAB @ N & S SIDE OF BRIDGE DECK)

7 LINES OF 1-D1906X + 1-D1913X (ALT.) (3-TOP & 2 EA. FACE) @ N & S SIDE OF BRIDGE DECK SEE SECTION 'A' ON SHEET 040 FOR SPACING

3 LINES OF 1-D3602X + 1-D3605X (ALT.) BOT. @ N & S SIDE OF BRIDGE DECK SEE SECTION 'A' ON SHEET 040 FOR SPACING

NOTES:

1. FOR GIRDER WEB HOLES LOCATION TO ACCOMMODATE BOTTOM TRANSVERSE REINFORCEMENT REFER TO GIRDER DRAWING SHEET 030.

DECK TOP AND BOTTOM REINFORCING PLAN - SPAN 3
SCALE 1:30

NOTE: MAINTAIN STAGGERED SPICING AT TOP AND BOTTOM THROUGHOUT REBAR INSTALLATION

APEGM
Certificate of Authorization
Dillon Consulting Limited (MB)
No. 1789 Date: 2017/01/09

DESIGNED BY	RE	CHECKED BY	SSR
DRAWN BY	NBG/CCG	APPROVED BY	DBW
HOR. SCALE	AS SHOWN	RELEASED FOR CONSTRUCTION	
VERTICAL	AS SHOWN		
0	ISSUED FOR TENDER	17/01/09	RE
NO.	REVISIONS	DATE	BY

DILLON CONSULTING

DESIGNED BY	RE	CHECKED BY	SSR
DRAWN BY	NBG/CCG	APPROVED BY	DBW
HOR. SCALE	AS SHOWN	RELEASED FOR CONSTRUCTION	
VERTICAL	AS SHOWN		

ENGINEER'S SEAL
PROVINCE OF MANITOBA
R.B. ERIC
Member 22665
REGISTERED PROFESSIONAL ENGINEER
CONSULTANT PROJECT NUMBER
16-3353

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Waverley Street Underpass at CN Mile 3.89 Rivers Sub
Contract 2: Underpass Structure, Railworks, Roadworks, Land Drainage Sewer, Pumping Station and Landscaping Works

CITY DRAWING NUMBER
U-239-2016-C2-CS-039
SHEET **039** OF **085**
CONSULTANT DRAWING NUMBER
C2-CS-039

DECK SLAB REINFORCING PLAN
SPAN 3

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