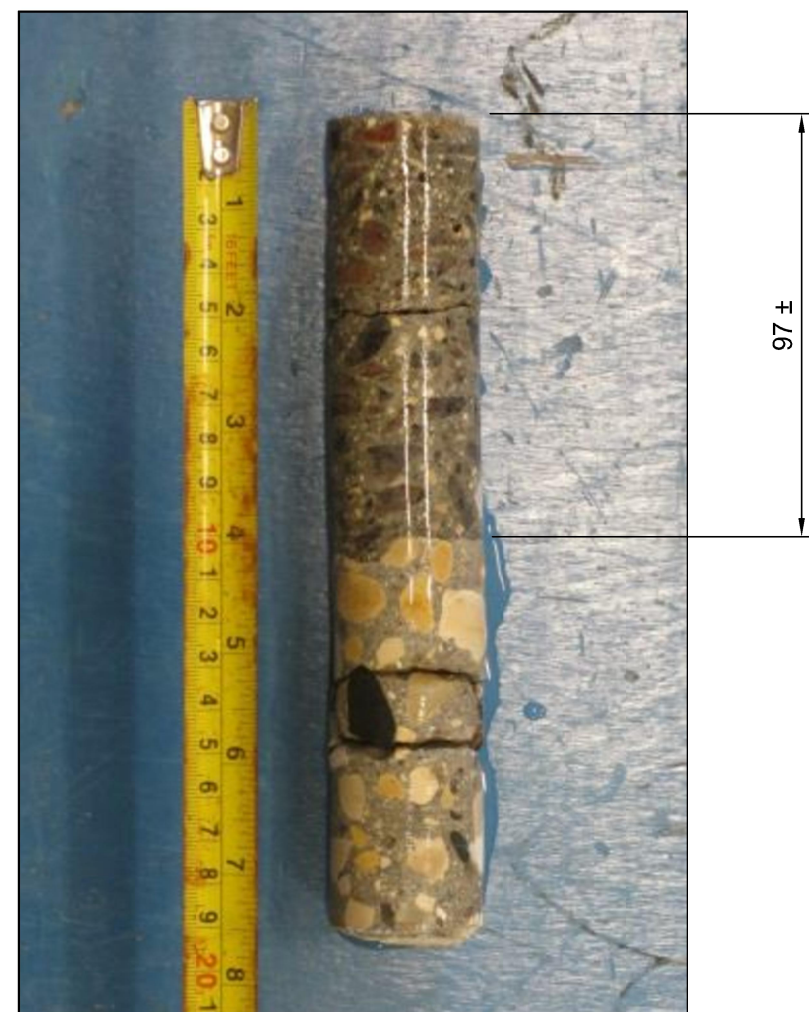


CORE SAMPLE LOCATIONS

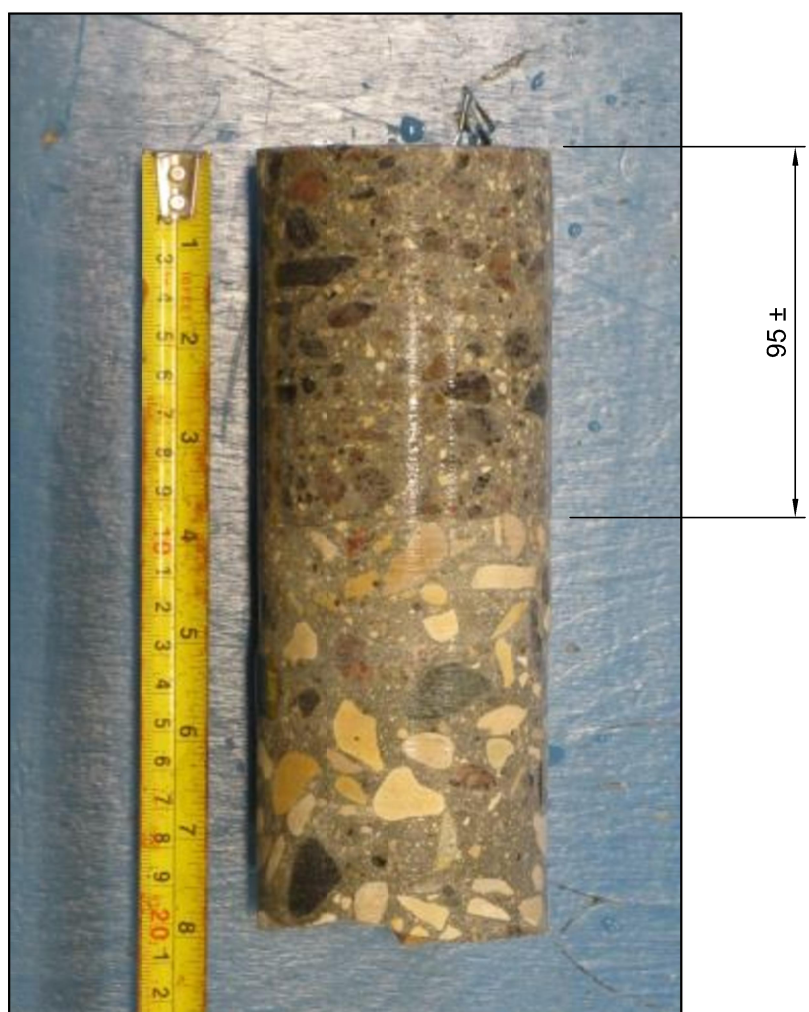
- D1 : EASTBOUND CURB LANE, 2.9 m EAST OF WEST EXPANSION JOINT, 4.6 m SOUTH OF MEDIAN
D2 : EASTBOUND CURB LANE, 4.2 m EAST OF WEST EXPANSION JOINT, 4.7 m SOUTH OF MEDIAN
D3 : EASTBOUND CURB LANE, 8.9 m EAST OF WEST EXPANSION JOINT, 4.5 m SOUTH OF MEDIAN
D4 : EASTBOUND CURB LANE, 27.5 m WEST OF EAST EXPANSION JOINT, 4.9 m SOUTH OF MEDIAN
D5 : EASTBOUND CURB LANE, 27.8 m EAST OF WEST EXPANSION JOINT, 4.9 m SOUTH OF MEDIAN
D6 : EASTBOUND CURB LANE, 9.1 m WEST OF EAST EXPANSION JOINT, 4.8 m SOUTH OF MEDIAN
D7 : EASTBOUND CURB LANE, 3.0 m WEST OF EAST EXPANSION JOINT, 4.7 m SOUTH OF MEDIAN
D8 : EASTBOUND SHOULDER, 3.3 m EAST OF WEST EXPANSION JOINT, 2.5 m NORTH OF TRAFFIC BARRIER
D9 : EASTBOUND SHOULDER, 3.9 m EAST OF WEST EXPANSION JOINT, 2.4 m NORTH OF TRAFFIC BARRIER
D10 : EASTBOUND SHOULDER, 8.8 m EAST OF WEST EXPANSION JOINT, 2.4 m NORTH OF TRAFFIC BARRIER
D11 : EASTBOUND SHOULDER, 9.2 m WEST OF EAST EXPANSION JOINT, 2.3 m NORTH OF TRAFFIC BARRIER
D12 : EASTBOUND SHOULDER, 3.1 m WEST OF EAST EXPANSION JOINT, 2.2 m NORTH OF TRAFFIC BARRIER

- NOTES:
- THIS DRAWING PROVIDES CONCRETE CORE DETAILS FROM THE PRELIMINARY BRIDGE CONDITION ASSESSMENT COMPLETED BY DILLON CONSULTING LIMITED IN 2016 (THE FULL REPORT IS APPENDED TO THE BID OPPORTUNITY).
 - GENERALLY, THE THICKNESS OF THE 1984 HIGH DENSITY OVERLAY IS PROVIDED BELOW.
 - THE COMPRESSIVE STRENGTH OF THE ORIGINAL 1952 DECK WAS DETERMINED DURING THE CONDITION ASSESSMENT TO BE APPROXIMATELY 46 MPa (CORE D9). THE DESIGN 28 DAY COMPRESSIVE STRENGTH WAS 4000 psi FOR THE 1969 WIDENING (UNKNOWN FOR THE ORIGINAL 1952 CONSTRUCTION), NOTE: THE ABOVE DATA IS BASED ON ONLY ONE TEST CORE FOR EACH OF THE ORIGINAL AND WIDENED DECKS.

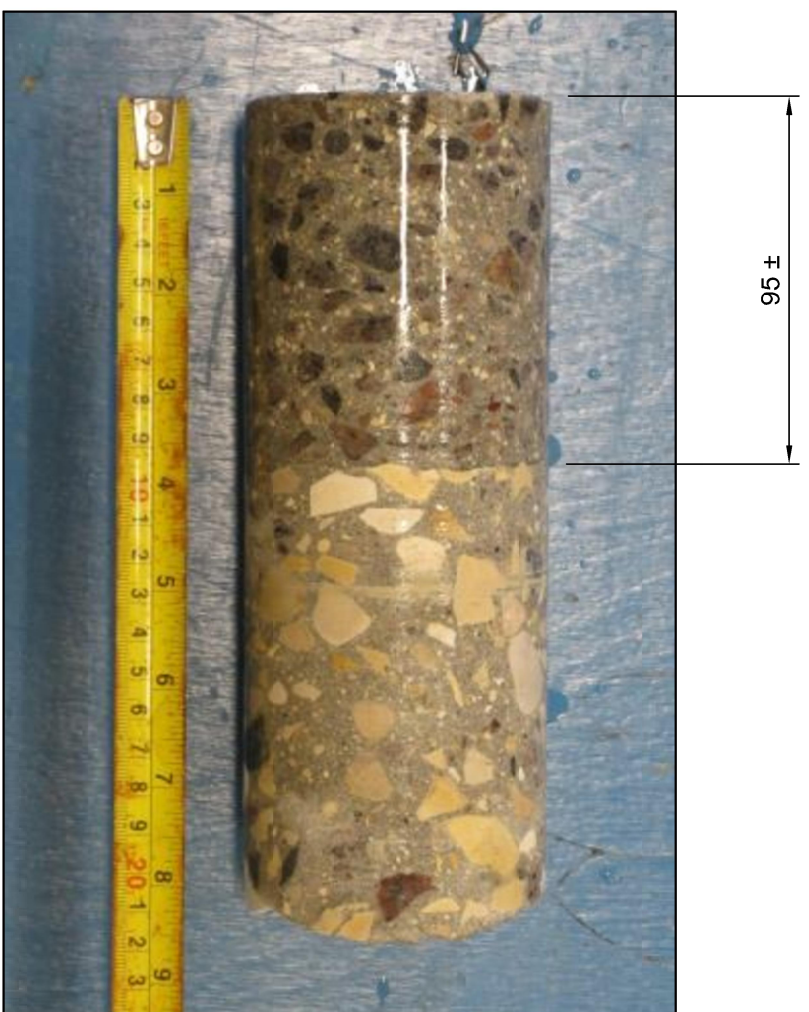
CORE SAMPLES FROM THE FERMOR AVENUE BRIDGE DECK



CORE No. D1: EASTBOUND CURB LANE



CORE No. D2: EASTBOUND CURB LANE



CORE No. D3: EASTBOUND CURB LANE



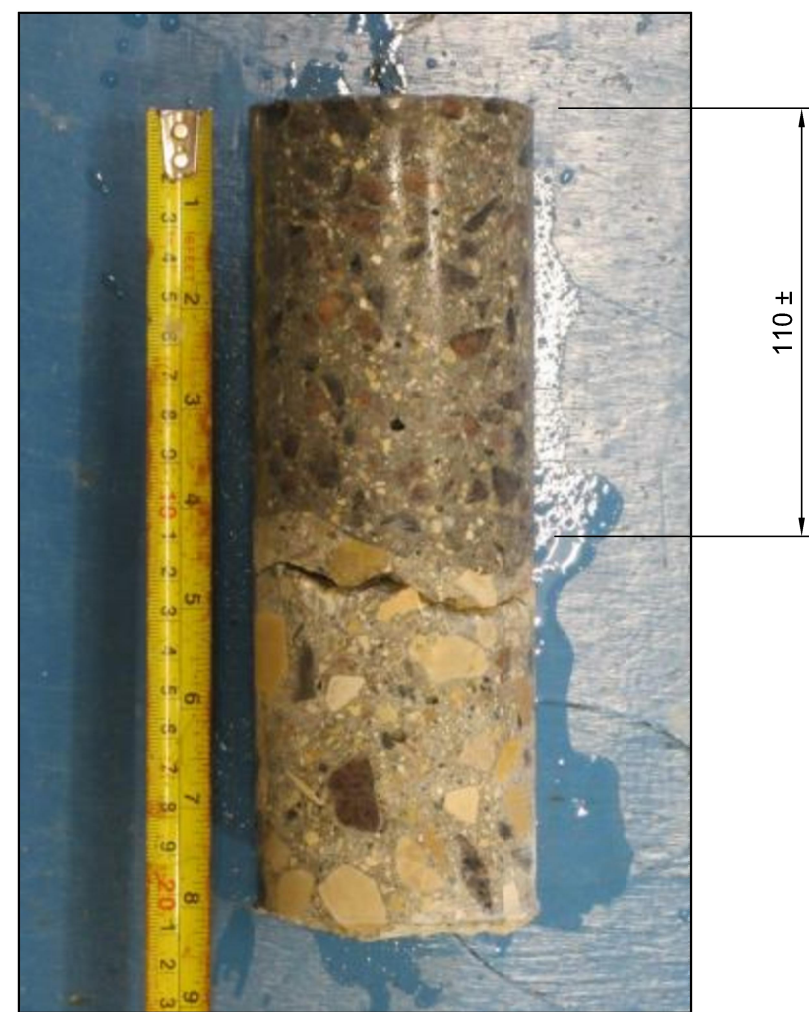
CORE No. D4: EASTBOUND CURB LANE



CORE No. D5: EASTBOUND CURB LANE



CORE No. D6: EASTBOUND CURB LANE



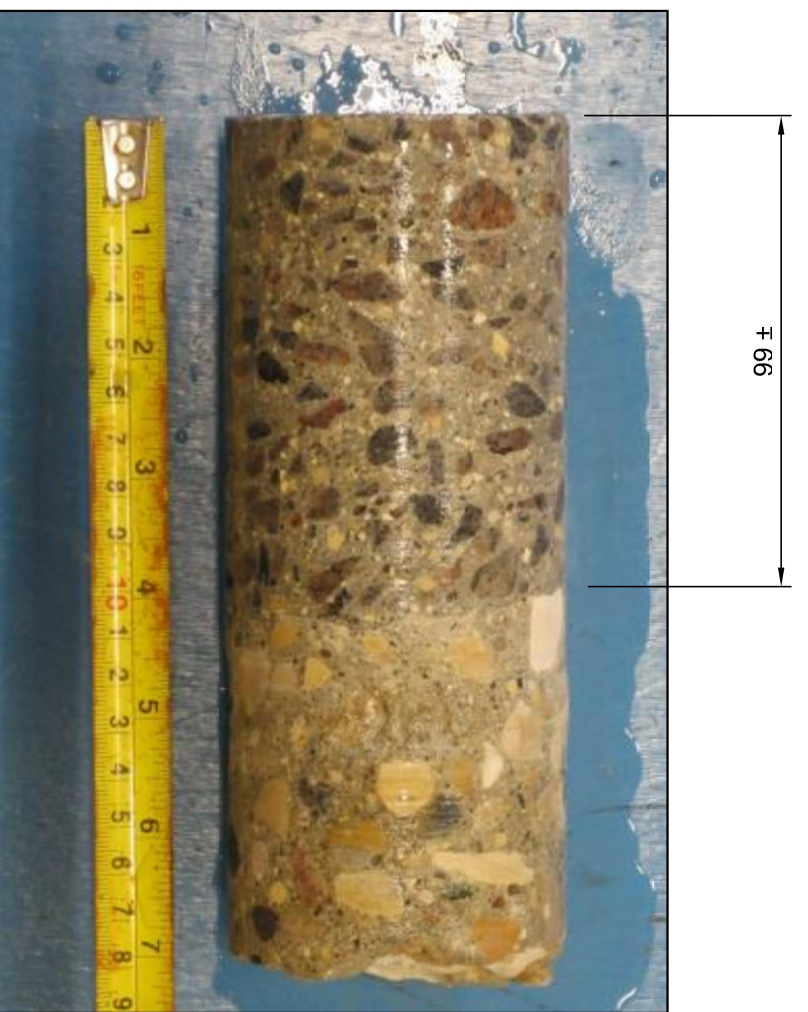
CORE No. D7: EASTBOUND CURB LANE



CORE No. D8: EASTBOUND SHOULDER



CORE No. D9: EASTBOUND SHOULDER



CORE No. D10: EASTBOUND SHOULDER



CORE No. D11: EASTBOUND SHOULDER



CORE No. D12: EASTBOUND SHOULDER

G:\CAD\175932\Drawings\Structural\Contract\175932-BRIDGE-CON-CS-REHABILITATED BRIDGE DECK 1A.dwg

APECM
Certificate of Authorization
Dillon Consulting Limited (MB)
No. 1789 Date: 2018/02/09

DESIGNED BY	DRA	CHECKED BY	SSR
DRAWN BY	NBG / DB	APPROVED BY	MBL
HOR. SCALE	AS SHOWN	RELEASED FOR CONSTRUCTION	
VERTICAL	AS SHOWN		
0	ISSUED FOR TENDER	18/02/09	DRA
NO.	REVISIONS	DATE	BY

DESIGNED BY	DRA	CHECKED BY	SSR
DRAWN BY	NBG / DB	APPROVED BY	MBL
HOR. SCALE	AS SHOWN	RELEASED FOR CONSTRUCTION	
VERTICAL	AS SHOWN		
0	ISSUED FOR TENDER	18/02/09	DRA
NO.	REVISIONS	DATE	BY

ENGINEER'S SEAL
PROVINCE OF MANITOBA
D.R.C. AMORIM
Member 33215
REGISTERED PROFESSIONAL ENGINEER
CONSULTANT PROJECT NUMBER
17-5932

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
FERMOR AVENUE BRIDGE OVER SEINE RIVER
BRIDGE REHABILITATION, PEDESTRIAN-CYCLIST UNDERPASS STRUCTURE AND ROADWORKS FROM ST. ANNE'S ROAD TO ARCHIBALD STREET
EXISTING AND REHABILITATED
BRIDGE DECK DETAILS 1 OF 3
CITY DRAWING NUMBER
B-118-2017-CS-033
SHEET 033 OF 100
CONSULTANT DRAWING NUMBER
CS - 033