MARKS	NO. BARS	SIZE	LENGTH	TYPE	A	B	C	D	E	F	G	H	J	K	L	M	O	R	SHAPE	LOCATION
ABUTMENTS AND WINGWALLS																				
A15001	12	15	1 300	STR																VERT. I.F. (FILLETS)
A20002	96	20	1 050	STR																VERT. PILE CAP
A15003	12	15	1 300	STR																VERT. I.F. (FILLETS)
A20004	20	20	1 750	17		1 450	300	—												HORIZ. O.F.
A20005	20	20	4 600	17		4 300	300	—												HORIZ. O.F.
A20006	58	20	6 140	STR																HORIZ. I.F. & O.F.
A15007	24	15	3 900	T2	150	590	1 210	590	1 210		150									HORIZ. IN PILE CAP.
A15008C	44	15	625	17		240	145	240												TRANS. TOP N. WINGWALL
A15009C	44	15	3 455	144	1 080	600	105	1 670	—	—		35	590	1 670	—	--	100			TRANS. TOP N. WINGWALLS
A15010C	44	15	1 180	17		500	180	500												TRANS. TOP N. WINGWALLS
A15011C	44	15	800	17		340	120	340												TRANS. TOP S. WINGWALLS
A15012C	44	15	1 480	16	600	310	270	300				245	—	175						DOWELS TO BARRIER WALL
A15013C	28	15	6 140	STR																LONGIT. TOP
A15014C	16	15	9 800	STR																TRANS. AT EXP'N JOINTS
A15015C	178	15	965	1	160	500					160									DOWELS AT APPR. SLAB
A15016	40	15	3 200	17		1 500	200	1 500												VERT. BTM. WINGWALLS
A15017C	92	15	3 200	17		1 500	200	1 500												VERT. TOP WINGWALLS
A10018C	4	10	1 530	17		700	130	700												DOWELS TO EXP. JT. BLOCKS
																				TRANS. AT EXP'N JOINTS
																				TRANS. AT EXP'N. JOINTS
PIER 6																				
P15001	124	15	1 530	T2	150	290	385	230	385		150									VERT. ON PIER SIDES
P15002	14	15	1 780	12	—	400	1 200	—				—	110	—						VERT. AT PIER ENDS
P15003	28	15	2 500	T2	150	400	700	400	700		150									VERT. AT PIER ENDS
P15004	16	15	1 550	17		550	450	550												HORIZ. AT PIER ENDS
P15005	16	15	1 855	17		800	255	800												HORIZ. AT PIER ENDS
P15006	16	15	1 600	STR																VERT. AT PIER ENDS
P20007	32	20	11 000	STR																HORIZ. ON PIER SIDES
P20008	28	20	2 800	17		300	2 200	300												HORIZ. AT PIER ENDS
P30009	6	30	7 700	STR																VERT. ON COLUMN
P30010	5	30	10 900	STR																VERT. ON COLUMN
P30011	3	30	1 000	STR																DOWELS INTO FOOTING
P10012	35	10	1 350	17		525	300	525												HORIZ. ON COLUMN
P10013	35	10	2 050	17		525	950	525												HORIZ. ON COLUMN
P15014	4	15	6 000	STR																
DECK SLAB AND SIDEWALK																				
D15001C	1 331	15	9 050	STR																TRANS. TOP
D15002C	1 331	15	11 100	STR																TRANS TOP
D15003C	1 295	15	1 210	17		300	160	750												TRANS. BOT. SOUTH SIDE
D15004C	2 590	15	1 500	16	600	350	200	350				285	—	205						DOWELS TO BARRIER WALL
D15005C	1 295	15	1 660	174		375	200	510	200	375		310		210	310	210				DOWELS TO BARRIER WALL
D15006C	1 295	15	1 545	135	—	—	200	720	625	—	—	195		45	180	600				TRANS. BOT. SIDEWALK
D15007C	1 295	15	750	17		300	150	300												DOWEL TO SIDEWALK
D15008C	1 295	15	1 880	17		1 730	150	—												TRANS. TOP SIDEWALK
D15009C	1 295	15	805	17		300	205	300												TRANS. TOP SIDEWALK
D15010C	1 064	15	10 200	STR																LONGIT. TOP
D15011C	988	15	10 475	STR																LONGIT. TOP
D30012C	536	30	12 000	STR																LONGIT. TOP PIERS 1,2,3 & 10
D30013C	536	30	15 000	STR																LONGIT. TOP PIERS 4,5,6 & 7
D15014C	1 056	15	2 890	STR																LONGIT. TOP
D10015C	12	10	1 330	17		600	130	600												DOWELS TO EXP. JT. BLOCKS
NOTE: BARS MK D00016 TO D00019 NOT USED																				
D20020C	8	20	2 550	16	1 400	300	500	350				250	—	250						LIGHT POLE BASE - NORTH
D20021C	2	20	3 250	17		1 400	450	1 400												LIGHT POLE BASE - NORTH
D20022C	2	20	2 350	54	300	650	450	650			300									LIGHT POLE BASE - NORTH
D20023C	12	20	2 405	16	1 175	180	800	250				175	-	175						LIGHT POLE BASE - SOUTH
D20024C	3	20	2 800	17		1 175	450	1 175												LIGHT POLE BASE - SOUTH
D20025C	3	20	2 600	54	300	775	450	775			300									LIGHT POLE BASE - SOUTH

MARKS	NO. BARS	SIZE	LENGTH	TYPE	A	B	C	D	E	F	G	H	J	K	L	M	O	R	SHAPE	LOCATION
GIRDERS																				
G15001	864	15	810	16	—	425	240	145				125	—	70						VERT. ON SIDES
G15002	88	15	13 150	STR																HORIZ. C.F. EXT. GIRDERS
G20003	216	20	1 250	STR																HORIZ. ON SIDES
G20004	144	20	10 500	STR																HORIZ. ON SIDES AT STRESSING ENDS. GIRDERS 1,3,7 & 11
G20005	288	20	11 900	19		500	11 400	—				45		500						HORIZ. ON SIDES
G20006	144	20	12 000	STR																HORIZ. ON SIDES AT STRESSING ENDS. GIRDERS 4,5,6 & 8
G20007	216	20	13 500	19		500	13 000	—				45		500						HORIZ. ON SIDES
G20008	72	20	1 450	STR																HORIZ. ON SIDES
G20009	5092	20	550	17		350	200	—												VERT. ON SIDES
MEDIAN AND SHOULDER TRAFFIC BARRIERS																				
B15001C	32	15	5 900	STR																HORIZ. TRAFFIC BARRIER
B15002C	342	15	1 520	13		635	250	635			—		—	635			725	85		VERT. MED TRAFFIC BARRIER
B15003C	1 104	15	2 755	STR																HORIZ. TRAFFIC BARRIER
B15004C	640	15	2 910	STR																HORIZ. TRAFFIC BARRIER
B15005C	632	15	2 790	STR																HORIZ. TRAFFIC BARRIER
B15006C	8	15	4 145	STR																HORIZ. TRAFFIC BARRIER
B15007C	1 931	15	1 575	16	—	700	170	705				700		75						VERT. SHLDR TRAFFIC BARRIER
NOTE : BARS MK B00008 TO B00010 NOT USED (1)																				
B15014C	8	15	1 780	STR																HORIZ. AT WEST APPROACH TRAFFIC BARRIER TERMINAL
B15015C	2	15	470	STR																HORIZ. AT WEST APPROACH TRAFFIC BARRIER TERMINAL
B15016C	2	15	620	STR																HORIZ. AT WEST APPROACH TRAFFIC BARRIER TERMINAL
B15017C	6	15	1 600	101	—	—	600	400	600	—	—	535		60	535	60				VERT. AT WEST APPROACH TRAFFIC BARRIER TERMINAL
B15018C	6	15	1 510	131	—	350	140	530	140	350	—	215		330	215	330	650	65		VERT. AT WEST APPROACH TRAFFIC BARRIER TERMINAL
B10019C	32	10	200	STR																HORIZ. EXP. JT. BLOCKS
APPROACH SLABS																				
M25001	234	25	9 860	STR																LONGITUDINAL BOTTOM
M15002	144	15	9 000	STR																TRANSVERSE BOTTOM
M15003C	234	15	1 020	511								450					105			ADJACENT TO ABUTMENT
M15004C	234	15	9 860	STR																LONGITUDINAL TOP
M15005C	144	15	9 000	STR																TRANSVERSE TOP
M15006C	68	15	1 890	174		375	315	510	315	375		310		210	310	210				DOWELS TO MED. BARRIER
M15007C	84	15	1 815	16	800	350	315	350				285	—	205						DOWELS TO SHLDR. BARRIER
M15008C	14	15	1 000	STR																DOWELS TO SIDEWALK
M10009	16	10	3 900	STR																SDWK. LONGIT BOTTOM
M10010C	20	10	3 900	STR																SDWK. LONGIT TOP
M10011	28	10	2 025	STR																SDWK. TRANSVERSE BOTTOM
M10012C	28	10	2 025	STR																SDWK. TRANSVERSE TOP
M10013C	28	10	1 100	55	150	300	200	300			150									SDWK. PARAPET
M15014C	56	15	920	17		460	460	—												DOWELS TO TRANSITION CURB
M15015C	12	15	3 860	STR																LONGIT. IN TRANSITION CURB
SLOPE PAVING DRAINAGE CHANNELS																				
S10001	16	10	1 000	STR																ABOVE CENTER BEAM
S10002	16	10	910	17		400	150	360												VERT. CENTER BEAM
S10003	20	10	2 930	16	—	—	2 330	600				585	—	145						LONGIT. AT TOP OF CHANNELS
S10004	8	10	1 190	STR																HORIZ. CENTER BEAM
S10005	376	10	1 330	4	—	90	225	700	225	90	—	160	160	160						TRANSVERSE IN CHANNELS
S10006	40	10	13 100	STR																LONGIT. IN CHANNELS
S10007	20	10	1 100	16	—	—	800	300				290	—	75						LONGIT. @ BTM. OF CHANNELS
S10008	90	10	1 420	4	—	90	270	700	270	90	—	160	160	215						TRANSVERSE IN BTM. CHANNELS AND AT PIERS 3 & 8
S10009	10	10	8 900	STR																LONGIT. IN BTM. (ABUTS) CHANNELS
S10010	2	10	10 000	STR																LONGIT. IN BTM. SPLASH CURBS
S10011	10	10	2 300	STR																LONGIT. IN N. CHANNELS AT PIERS 3 & 8
S10012	10	10	5 000	STR																LONGIT. IN S. CHANNELS AT PIERS 3 & 8
S10013	4	10	2 950	16			2 650	300				290		75						LONGIT. IN SIDE SPLASH CURBS
S10014	16	10	630	ST2																VERTICAL IN SPLASH CURB AT C.B.
S10015	44	10	1 950	134			475	100	450			-		475	-	450	-			VERT. AT BOTTOM SPLASH CUBBS (N 1/2)
S10016	36	10	2 040	134			520	100	495			-		475	-	450	-			VERT. AT BOTTOM SPLASH CURBS (S 1/2)

*1 SEE DWG B121-85-21B

*2 SEE DWG B121-85-21B

*3 SEE DWG B121-85-21B

B-5587

NOTES: BENDING DETAILS AND NOTES ARE AS OUTLINED IN THE 'MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCING CONCRETE STRUCTURES' (A.C.I. 315-65) AS ISSUED BY THE AMERICAN CONCRETE INSTITUTE WITH THE FOLLOWING EXCEPTIONS AND ADDITIONS.

7. (REVISED AS FOLLOWS)
NO ALLOWANCE FOR BEND CURVATURE HAS BEEN MADE EXCEPT FOR STANDARD HOOK AND RADII IN EXCESS OF SAME ALLOWANCE FOR BAR EXTENSION DUE TO BENDING (CREEP) SHALL BE MADE BY THE FABRICATOR.

8. SPACERS TO BE PROVIDED WITH ALL SPIRALS AS SPECIFIED IN A.C.I. 315-65.

9. WEIGHT OF SPIRALS AND SPACERS NOT INCLUDED IN THE 'WEIGHT OF STEEL'

10. ALL REINFORCING SHALL CONFORM TO C.S.A. G-30-12M GRADE 400 MPa (DEFORMED BARS)

TOTAL WEIGHT OF REINFORCING STEEL	PLAIN	EPOXY COATED	PLAIN DYWIDAG	EPOXY COATED DYWIDAG
	48,952 kg.	216, 540 (1)	—	—

(1) NOTES: 1. FOR ADDITIONAL REINFORCING STEEL, SEE SK-03 ADDENDUM NO. 1.
2. WEIGHT OF STEEL ABOVE INCLUDES ADDITIONAL REINFORCING STEEL IN SK-03 ADDENDUM NO. 1.

RECORD DRAWING

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

NO	REVISIONS	DATE	APP.
(2)	RECORD DRAWING	NOV.86	
(1)	ADDENDUM NO. 1	MAY-85	

PROVINCE OF MANITOBA — J.W. TUCK — REGISTERED ENGINEER
ENGINEER'S SEAL

the uma group — Underwood McLellan Ltd.
Consulting Engineers and Planners

DESIGNED BY: K.U. | DRAWN BY: A.L.
CHECKED BY: J.J. | DATE: APRIL 1985 | JOB No. 0265-216-01
APPROVED BY: [signature] | DATE: April 1985

CITY OF WINNIPEG
WORKS & OPERATIONS DIVISION
STREETS & TRANSPORTATION DEPARTMENT

NAIRN AVENUE OVERPASS
DECK REHABILITATION, STRUCTURAL STRENGTHENING AND RELATED WORKS

REINFORCING STEEL SCHEDULE

AUTHORIZED BY: [signature] STREETS & BRIDGES ENGINEER — DATE 1985-09-16
ACCEPTED BY: [signature] BRIDGE ENGINEER — DATE 1985 09 16

SCALE: N/A | DRAWING NO. B121-85-21A