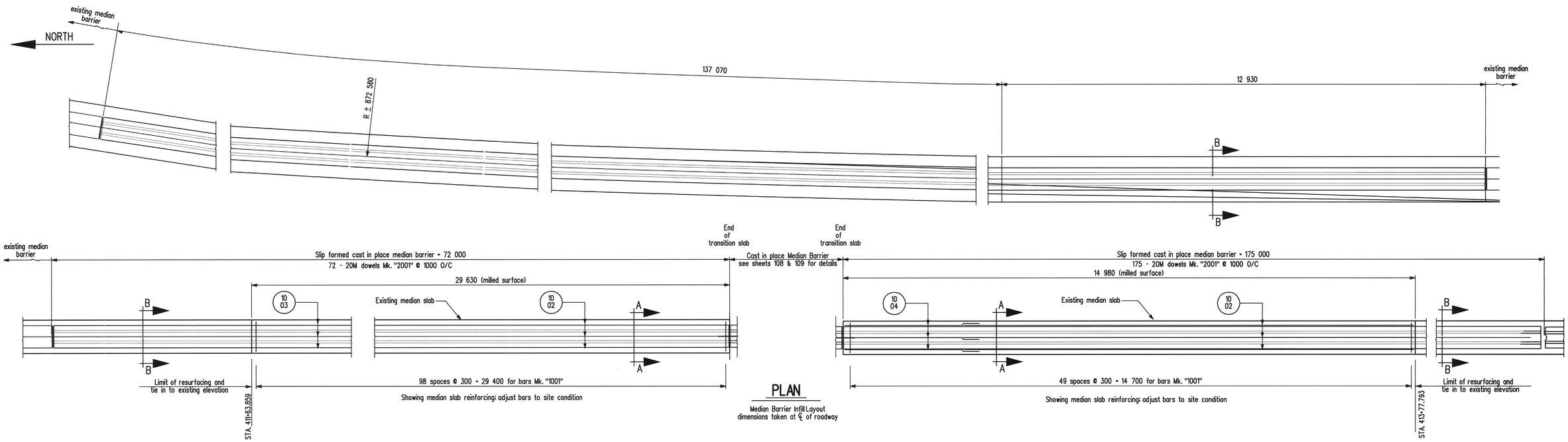
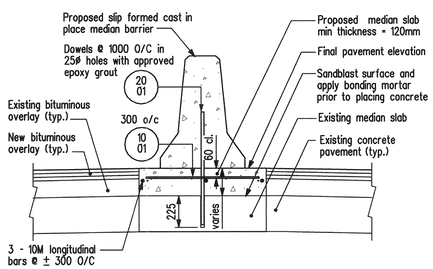


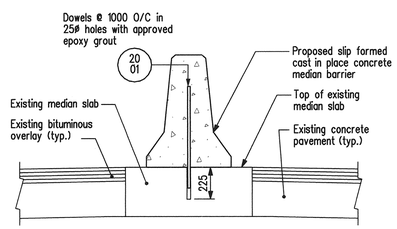
PLAN

Median Barrier Infill Layout
dimensions taken at ℄ of roadway



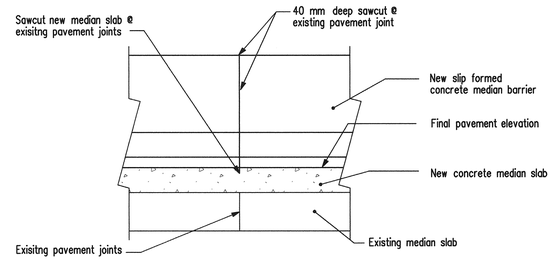
SECTION A-A

Typical proposed slip formed concrete barrier within limits of pavement resurfacing
Scale 1:20



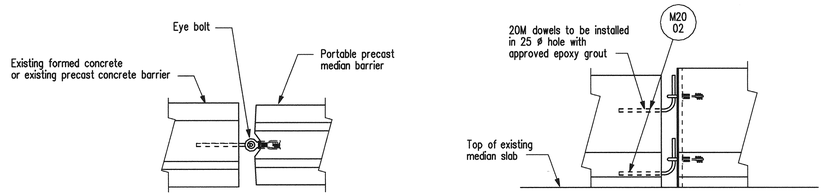
SECTION B-B

Typical proposed slip formed concrete barrier installation at traffic crossover locations
Scale 1:20



JOINT DETAIL

Typical for proposed slip formed median barrier
Scale 1:20



PLAN

ELEVATION

PROPOSED CONNECTION DETAILS

Showing proposed end butt connection detail between existing slip formed cast in place concrete median barrier or existing precast concrete barrier and precast concrete median barrier at traffic crossover locations.

BILL OF REINFORCING

FOR STAGE 3 MEDIAN BARRIER INFILL

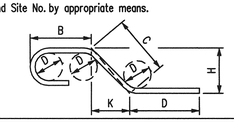
SITE No. 2924-00

MARK	TYPE	PIN DIAMETER	LENGTH	No.	MASS	BENDING DIAGRAM
1001	STR		800	150	94.20	
1002	STR		12 000	9	84.78	
1003	STR		6 330	3	14.91	
1004	STR		3 600	3	8.48	
2001	STR		800	397	747.95	
2002	BENT	100	710	4	6.69	260 / 450

Total mass of reinforcing steel	957.00	kg
Total volume of structural concrete	107.81	m³

NOTES:

1. All dimensions given in bending diagram are out to out, except radii and extensions on 90°, 135° & 180° hooks. Extensions on 90°, 135° & 180° hooks are the "A" or "G" dimensions for the standard 90°, 135° & 180° hooks referenced from the RSIC "Manual of Standard Practice". Radii are inside dimensions. All reinforcing steel bends and hooks shall conform to Clause 6.6.2 of C.S.A. A23.1-04, 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 reinforcing steel shall conform to CSA G30.18-M92 "Billet Steel Bars for Concrete Reinforcement" Grade 400W, unless noted otherwise in the BILL OF REINFORCING STEEL.
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. Bars marked with the suffix "P" shall be plain undeformed bars in accordance with CAN/CSA G40.21-M92 Grade 300W.
6. All bars shall be bent in accordance with the following detail:



REVISIONS		

DATE	BY	DESCRIPTION

PROVINCE OF MANITOBA
mar 15/10
S.S RIHAL
REGISTERED PROFESSIONAL ENGINEER

MEDIAN BARRIER INFILL -STAGE 3- CONCRETE AND REINFORCING DETAILS

RECONSTRUCTION AND STRENGTHENING OF EXISTING BRIDGE
OVER ASSINIBOINE RIVER - CONTRACT THREE
ON P.T.H. No. 100 IN R.L.'S 72, 73 & 94
PARISH OF ST. CHARLES

CITY OF WINNIPEG

Manitoba
Infrastructure and Transportation
Water Control & Structures

DESIGN	BY: MBC	
	CHECKED: SSR	
DETAILS	BY: MP	
	CHECKED: S.S.R./J.J.	

RELEASED FOR CONSTRUCTION BY:
Ruth Eden March 15/10
DIRECTOR — DATE
STRUCTURES, DESIGN AND CONSTRUCTION BRANCH

SCALE: 1:50 unless noted
SHEET No. 110
SITE No. 2924-00

...\292400_Contract3_Infill_Barrier_dtl.dgn 2010-03-15 10:37:41 AM