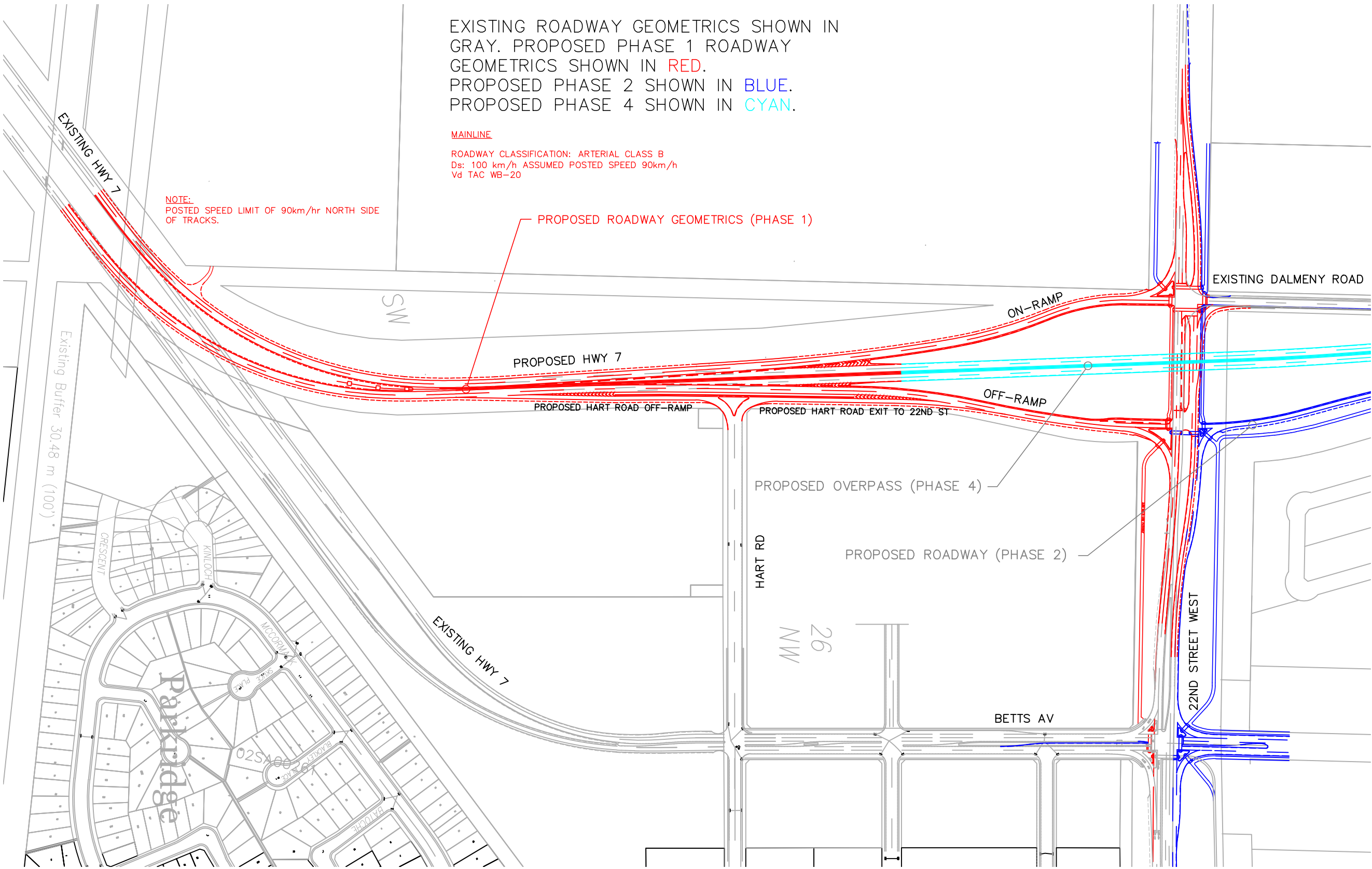


NOTE:  
EXISTING ROADWAY GEOMETRICS SHOWN IN GRAY. PROPOSED PHASE 1 ROADWAY GEOMETRICS SHOWN IN RED.  
PROPOSED PHASE 2 SHOWN IN BLUE.  
PROPOSED PHASE 4 SHOWN IN CYAN.

MAINLINE  
ROADWAY CLASSIFICATION: ARTERIAL CLASS B  
Ds: 100 km/h ASSUMED POSTED SPEED 90km/h  
Vd TAC WB-20

NOTE:  
POSTED SPEED LIMIT OF 90km/hr NORTH SIDE OF TRACKS.

PROPOSED ROADWAY GEOMETRICS (PHASE 1)



FUNCTIONAL

PROJECT NO. 504-0017-100r001

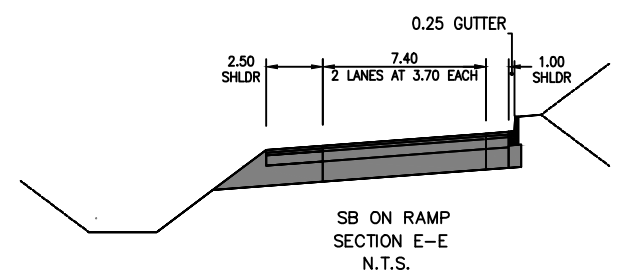
TRANSPORTATION BRANCH – FUNCTIONAL		
ENGINEER	BRANCH MGR	DATE
ENGINEER		DATE
ENGINEER		DATE
ENGINEER		DATE
DRAWN BY	RDY	DATE 2011-MAY-18



HWY 7 & 14 INTERCHANGE + HART ROAD ACCESS

SITE PLAN

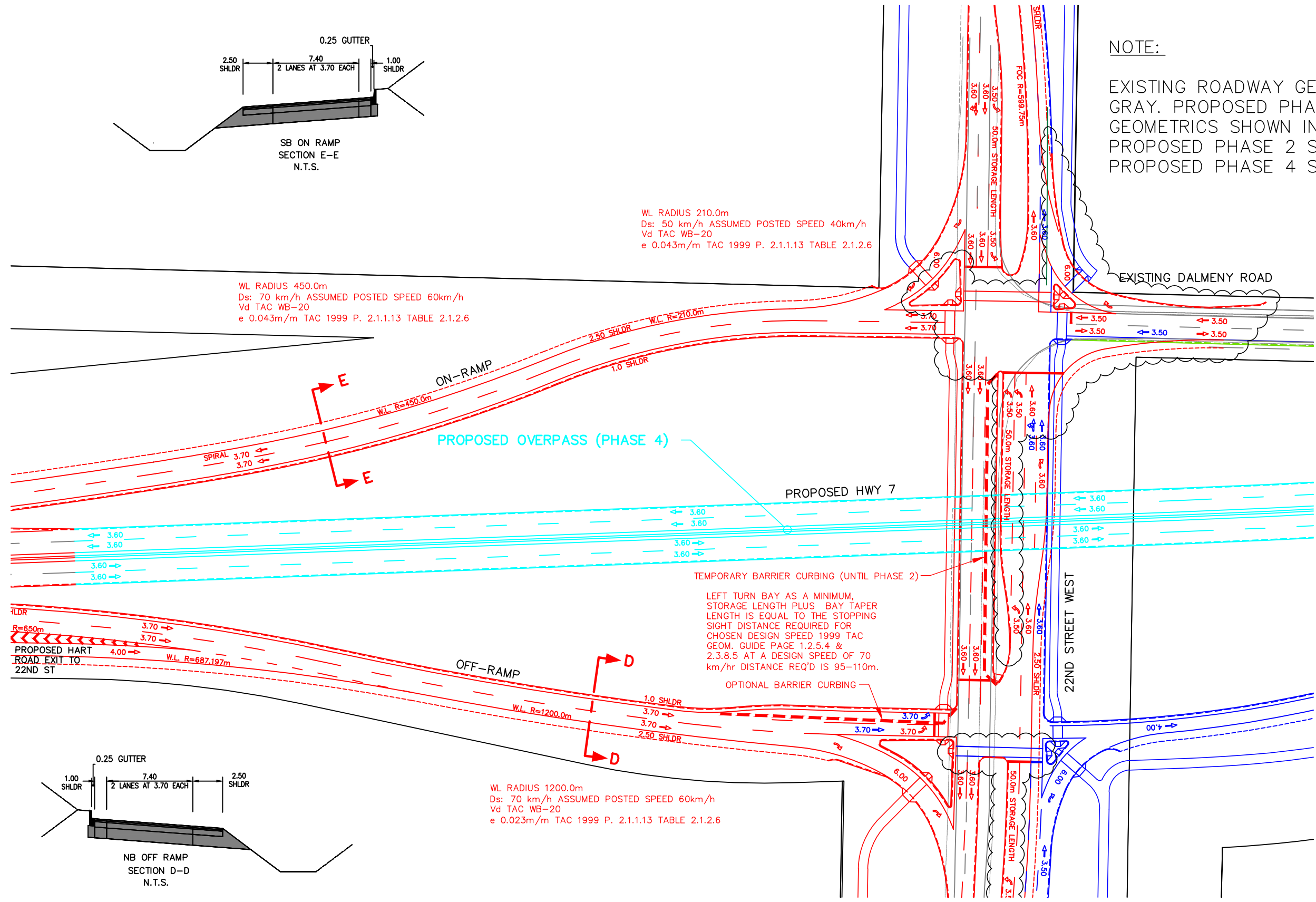
GENERAL MANAGER	
SCALES :	DATE
HOR. 1:4000	
VERT.	
SHEET NO.	PLAN NO.
	249-0017-100r001



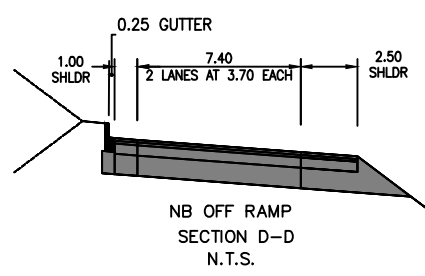
NOTE:  
EXISTING ROADWAY GEOMETRICS SHOWN IN GRAY. PROPOSED PHASE 1 ROADWAY GEOMETRICS SHOWN IN RED.  
PROPOSED PHASE 2 SHOWN IN BLUE.  
PROPOSED PHASE 4 SHOWN IN CYAN.

WL RADIUS 210.0m  
Ds: 50 km/h ASSUMED POSTED SPEED 40km/h  
Vd TAC WB-20  
e 0.043m/m TAC 1999 P. 2.1.1.13 TABLE 2.1.2.6

WL RADIUS 450.0m  
Ds: 70 km/h ASSUMED POSTED SPEED 60km/h  
Vd TAC WB-20  
e 0.043m/m TAC 1999 P. 2.1.1.13 TABLE 2.1.2.6



LEFT TURN BAY AS A MINIMUM, STORAGE LENGTH PLUS BAY TAPER LENGTH IS EQUAL TO THE STOPPING SIGHT DISTANCE REQUIRED FOR CHOSEN DESIGN SPEED 1999 TAC GEOM. GUIDE PAGE 1.2.5.4 & 2.3.8.5 AT A DESIGN SPEED OF 70 km/hr DISTANCE REQ'D IS 95-110m.



WL RADIUS 1200.0m  
Ds: 70 km/h ASSUMED POSTED SPEED 60km/h  
Vd TAC WB-20  
e 0.023m/m TAC 1999 P. 2.1.1.13 TABLE 2.1.2.6

**FUNCTIONAL**  
PROJECT NO. 504-0017-100r002

JAN. 31, 2012.....RBY  
REVISED MEDIANS FOR DEDICATED LEFT TURN BAYS,  
ADDED AND REMOVED ISLANDS FOR TURNING  
MOVEMENTS.

TRANSPORTATION BRANCH -- FUNCTIONAL		
ENGINEER	BRANCH MGR	DATE
ENGINEER		DATE
ENGINEER		DATE
ENGINEER		DATE
DRAWN BY	RBY	DATE 2011-MAY-18



HWY 7 & 14 INTERCHANGE + HART ROAD ACCESS		GENERAL MANAGER	
HART RD EXIT NB TO 22ND ST. W		SCALES :	DATE
		HOR. 1:1250	
		VERT.	
SHEET NO.	PLAN NO.		
	249-0017-103r002		