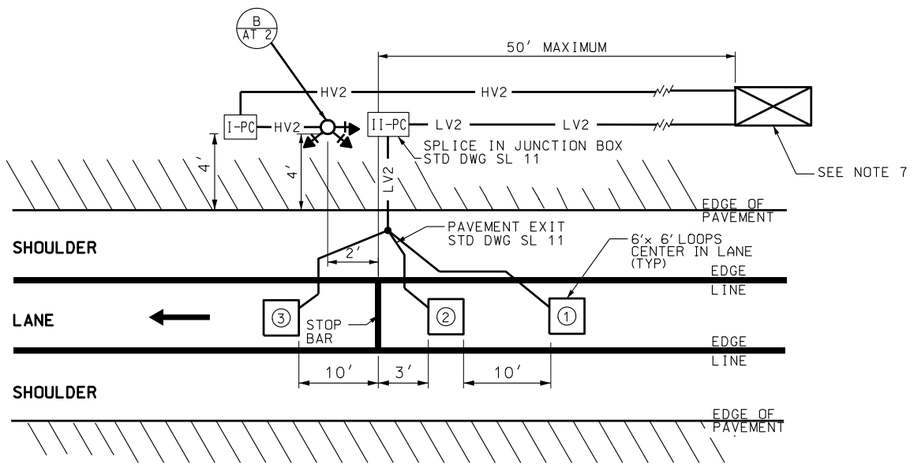
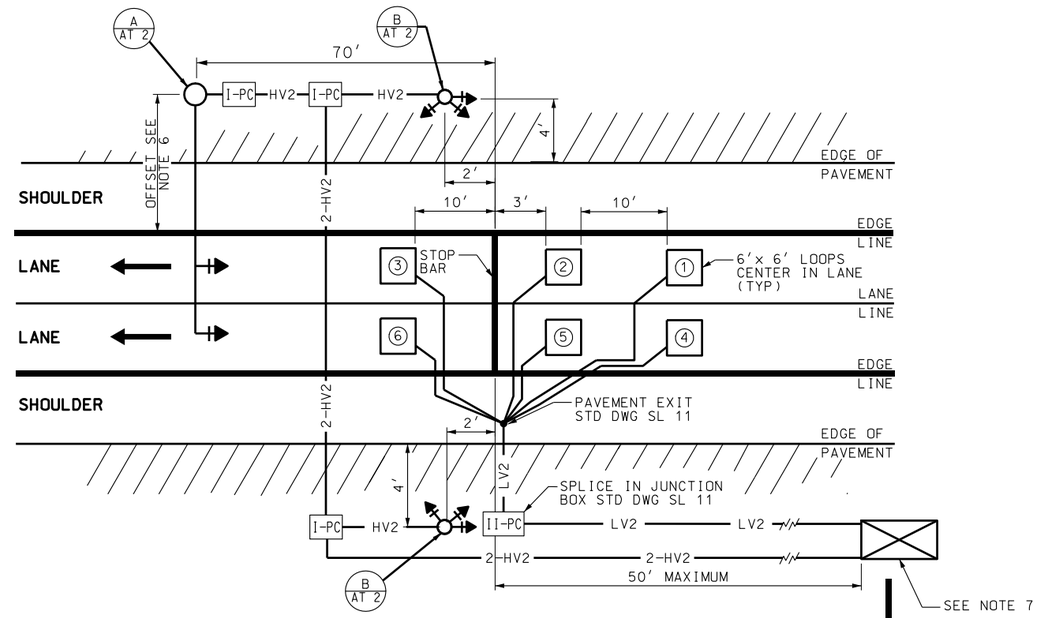
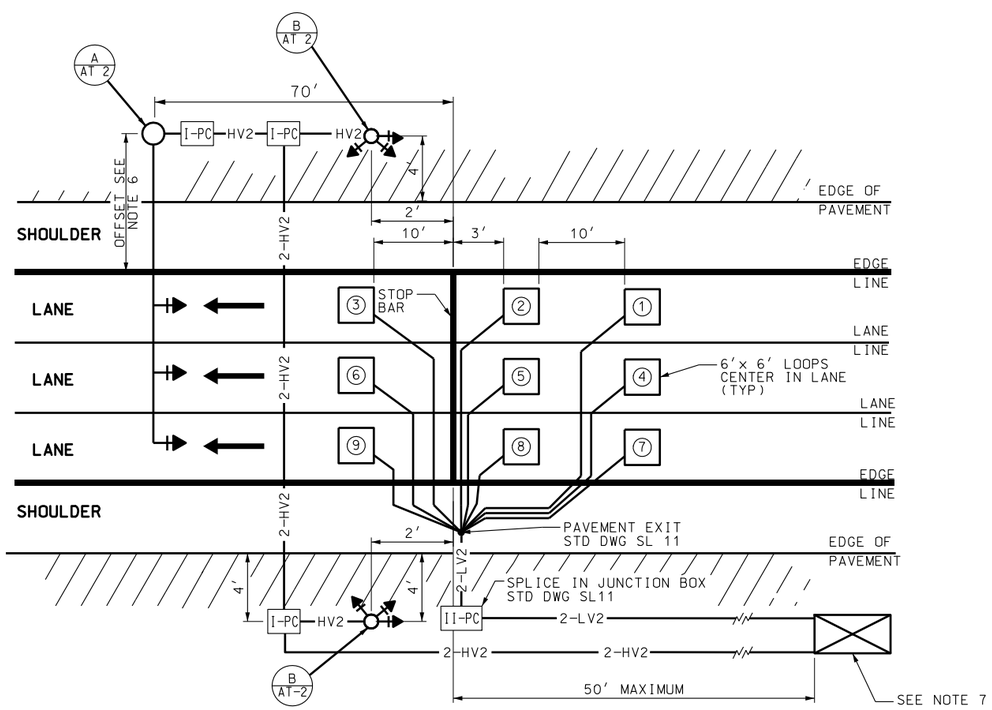


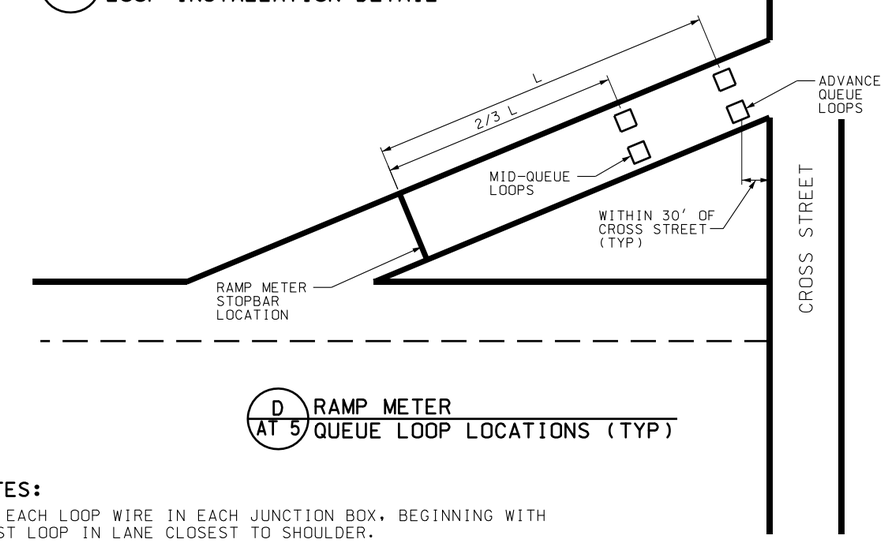
A AT 5 ONE LANE RAMP METER LOOP INSTALLATION DETAIL



B AT 5 TWO LANE RAMP METER LOOP INSTALLATION DETAIL



C AT 5 THREE LANE RAMP METER LOOP INSTALLATION DETAIL



D AT 5 RAMP METER QUEUE LOOP LOCATIONS (TYP)

NOTES:

1. TAG EACH LOOP WIRE IN EACH JUNCTION BOX, BEGINNING WITH FIRST LOOP IN LANE CLOSEST TO SHOULDER.
2. PLACE JUNCTION BOXES PER AT 7. REFER TO SL 11 AND SL 12 FOR DETECTION.
3. USE THE CURRENT EDITION OF AASHTO ROADSIDE DESIGN GUIDE FOR CLEAR ZONE REQUIREMENTS. CLEAR ZONE MAY EXTEND INTO CUT OR FILL SLOPES.
4. USE PREFORMED LOOPS IN NEW PAVEMENT.
5. USE SEPARATE CONDUCTOR HOME RUN TO CABINET FOR EACH LOOP.
6. PLACE RAMP METER MAST ARM ASSEMBLY 1.2 TIMES THE AASHTO CLEAR ZONE DISTANCE AWAY FROM THE TRAVELED WAY, OR SHIELD AS PER THE CURRENT EDITION OF THE AASHTO ROADSIDE DESIGN GUIDE.
7. PLACE CABINET ON EITHER SIDE OF TRAFFIC.

SUPPLEMENTAL DRAWING

REVISIONS

NO.	DATE	APPR.	REMARKS
1	2/24/05	S.S.	ADDED QUEUE LOOP LOCATION DETAIL AND 3 LANE METER LOOP DETAIL. TITLE CHANGED.
2	6/21/06	TJM	ADDED AND REVISED NOTES.
3	02/22/07	TJM	ADDED NOTE 2 AND 7. RENUMBERED NOTES. UPDATED ALL DETAILS FOR NOTE CALLOUTS.

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

RECOMMENDED FOR APPROVAL — FEB.22,2007 DATE
CHAIRMAN STANDARDS COMMITTEE APPROVED — FEB.22,2007 DATE
DEPUTY DIRECTOR

RAMP METER LOOP INSTALLATION

STANDARD DRAWING TITLE

STD DWG AT 5

DGN File: L:\Standard_Drawings\Imperial\2005Approved\xSupplApproved\at05.dgn
06-MAR-2007