

SIGNAL REPLACEMENT WITH APS EXAMPLE PLAN

Only one intersection per sheet

Include (x,y) for the center of all proposed push button, pedestal, and signal pole locations. The point numbers will cross reference with the Signal Plan.

Distances from push button to front and back of landing included to provide for the 6 ft MAR (Maintenance Access Route), or the 4 ft minimum PAR, and to emphasize the MN MUTCD criteria that push buttons should be adjacent to a landing (and not at ramp grade breaks).

SIGNAL CONTROL POINTS			DISTANCE TO FRONT OF LANDING (FT)	DISTANCE TO BACK OF LANDING (FT)
POINT NO.	X	Y		
PB8-1	555973.5471	186473.9606	2	6
PB2-2	555916.2765	186470.6450	2	6
PB2-1	555930.3865	186471.5934	9	1
PB4-2	ON POLE 3	ON POLE 3	8	2
PB4-1	555986.7955	186457.9452	1	4
PB6-2	555986.7955	186457.9452	2	7.5
PB6-1	555986.7955	186457.9452	2	4
PB8-2	ON POLE 6	ON POLE 6	2	2
POLE 1	573198.8601	253778.9766		
POLE 2	573089.5181	253699.4266		
POLE 3	573175.1256	253599.9369		
POLE 4	555986.7955	186457.9452		
POLE 5	573281.4871	253680.3494		
POLE 6	573198.8601	253778.9766		

CONTROL POINTS		
POINT NO.	X	Y
100	556067.9106	186373.7930
101	556063.9194	186378.2730
102	555987.3742	186375.4952
103	555976.9660	186361.4794
104	555920.5656	186359.3100
105	555911.5503	186359.0742
106	555861.6673	186358.6566
107	555849.4321	186371.1055
108	555848.4949	186452.2368

For Level 2 quadrants, include only one Control Point on ramps. Locate this point at the outside edge of domes. Select the Trunk Highway side for depressed corner or fan ramps.

See MnDOT Standard Legend on ADA website

- PROPOSED SIGNAL POLE
- PROPOSED PEDESTAL
- PEDESTRIAN PUSH BUTTON STATION
- PEDESTRIAN PUSH BUTTON
- CONTROL POINTS AT GUTTER FLOW LINE
- TRUNCATED DOMES (SEE STANDARD PLATE 7038)
- CONSTRUCT CONCRETE CURB & GUTTER
- BITUMINOUS TREATMENT-SEE TABULATIONS
- CURB HEIGHT
- LANDING AREA - 4' X 4' MIN. DIMENSIONS AND MAX 2.0% SLOPE IN ALL DIRECTIONS
- INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE BETWEEN 5.0% MINIMUM AND 8.3% MAXIMUM IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%
- INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%
- DRAINAGE FLOW ARROW

LOCATION	TABULATED QUANTITIES							
	REMOVE CONC. WALK	REMOVE CONC. CURB & GUTTER	MILL AND PATCH BITUMINOUS PAVEMENT	CONCRETE WALK	CONCRETE CURB & GUTTER	CONCRETE CURB DESIGN V	TRUNCATED DOMES	
	SQ FT	LIN FT	LIN FT	SQ FT	LIN FT	LIN FT	SQ SF	35' RAD SECTION SF
NE QUAD	293	45	45	548	45	-	24	-
SE QUAD	110	-	-	-	-	-	-	40
S MEDIAN	59	-	-	-	-	-	-	-
SW QUAD	-	-	-	-	-	-	-	-
NW QUAD	275	-	-	-	-	-	-	-
N MEDIAN	60	20	-	29	10	-	-	-
TOTALS	797	168	983	1440	136	-	72	40

Quantity tabulation included only if it's a standalone signal project. ADA pay item quantities are otherwise included in the Plan Tabulations and SEQ.

GENERAL NOTES:

- PROVIDE A SAWCUT AT THE REMOVAL LIMIT OR THE NEAREST JOINT OF THE CONCRETE WALK AND CONCRETE CURB & GUTTER. ALL SAWCUTS SHALL BE INCIDENTAL.
- LANDINGS SHALL BE CONNECTED TO EXISTING SIDEWALKS MAINTAINING A 4' WIDE (MINIMUM) PEDESTRIAN ACCESS ROUTE WITH A CROSS SLOPE THAT DOES NOT EXCEED 2.0% AND A RUNNING SLOPE THAT DOES NOT EXCEED 8.3%.
- ALL PERPENDICULAR RAMPS ARE 4' LONG UNLESS OTHERWISE NOTED.
- LOCATE ALL NEW HANDHOLES OUTSIDE OF THE PAR.
- THE OUTSIDE EDGE OF CROSSWALK MARKINGS SHALL LINE UP WITH THE OUTSIDE EDGE OF TRUNCATED DOMES.

- ① SALVAGE AND INSTALL SIGN.
- ② SHORTEN MEDIAN NOSE TO MAKE ROOM FOR NEW CROSSWALK. CONSTRUCT CONCRETE NOSE - SEE STANDARD PLATE 7113.
- ③ CONSTRUCT CONCRETE PAVEMENT TO FILL THE AREA WHERE THE CONCRETE MEDIAN NOSE IS TO BE REMOVED. MATCH INPLACE PAVEMENT THICKNESS.

Draft ramp lengths to scale.

Always explain vertical tie-ins using contractor-friendly terms

BY	DATE	REVISIONS	SYSTEM ID: 20937	T.E. 5112	PEDESTRIAN CROSSWALK DETAILS TRAFFIC CONTROL SIGNAL SYSTEM T.H. 156 AT C.S.A.H. 14 (GRAND AVE.) IN SOUTH ST. PAUL, DAKOTA COUNTY	S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:	
			METER ADDRESS: 236 STATE HWY 156			CERTIFIED BY _____	LIC. NO. _____	DATE: _____		
			MASTER ID: 21720	T.E.		STATE PROJ. NO. XXXX-XX (T.H. XXX)	SHEET NO. X OF XX SHEETS			

DISTRICT #: INSERT DISTRICT NAME HERE
 IPLOT NAME: rebuild
 PATH & FILENAME: IP_PWP-d146403_SamplePlan.dgn
 PLOTTED/REVISED: 01-FEB-2013

APS UPGRADE EXAMPLE INTERSECTION DETAIL

Only one intersection per sheet

Include (x,y)s for the center of all proposed push button, pedestal, and signal pole locations. The point numbers will cross reference with the Signal Plan.

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SIGNAL CONTROL POINTS			DISTANCE TO FRONT OF LANDING (FT)	DISTANCE TO BACK OF LANDING (FT)
POINT NO.	X	Y		
PB8-1	ON POLE 1	ON POLE 1	5	3
PB2-2	555916.2765	186470.6450	2	6
PB2-1	555930.3865	186471.5934	9	1
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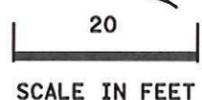
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Draft ramp lengths to scale.

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- INPLACE PEDESTAL
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PLOTTED/REVISED: 01-FEB-2013

DISTRICT #: INSERT DISTRICT NAME HERE
 IPLOT NAME: retro
 PATH & FILENAME: IP_PWP-d1446403vretrodgn

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