PROFILE No. 1 COPY No. ____

T.H. 169 VICINITY OF ST PETER

FROM UNION ST IN ST PETER TO 1000' NORTH

OF TH 22 & ROBART'S CREEK TO 3050' NORTH

Prepared MAY ______ 2013 Scale: Hor. 1 inch = 100 ft.

By ____ TOM HINZ ________ Vert. 1 inch = 10 ft.

The alignment and grades shown on this map are tentative and subject to change without notice.	Staff Approval Date: 6-28-2013 🟥

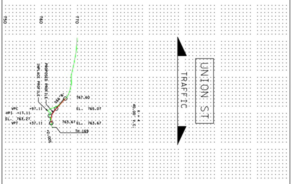
S.P. 5209-66 T.H. 169 A.J. T79944 PPMS Activity 1140

S.P. _______ T.H. ___ A.J. ____ PPMS Activity ____

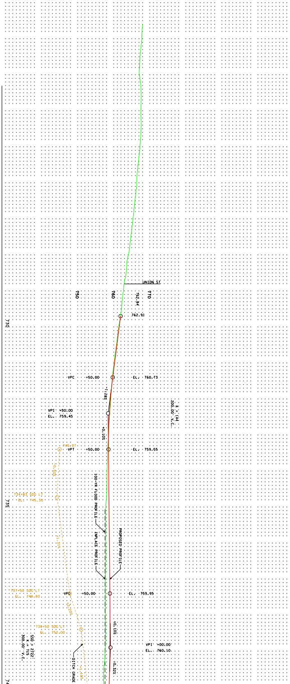
S.P. _______ T.H. ___ A.J. ____ PPMS Activity ____

DESIGN FILE: IP_PWP:d1019047\p520966_pr.dgn

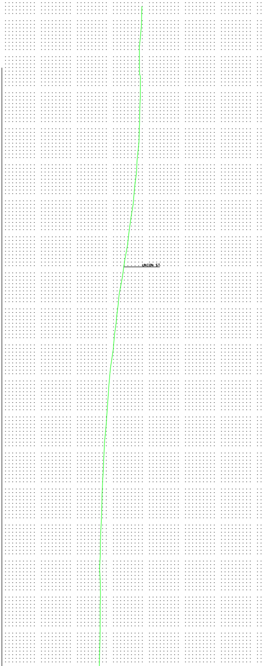
DATE: 28-JUN-2013 09:45



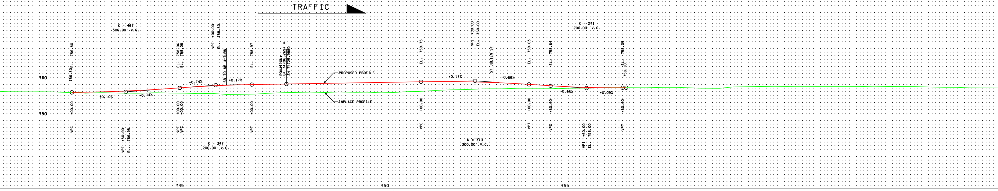
UNION ST
TRAFFIC
770
760
750
K = 4
40.00' V.C.
767.60
EL. 765.07
763.67 EL. 763.67
TH 169
PROPOSED PROFILE
INPLACE PROFILE
VPC +97.11
VPI +17.11
EL. 763.27
VPT +37.11
+2.00%



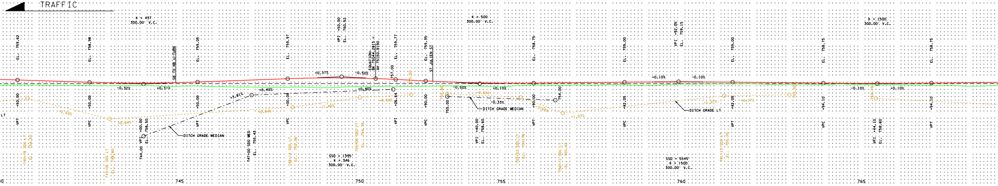
UNION ST
770
760
750
762.84
762.91
730
735
VPC +50.00 EL. 760.73
-1.28%
K = 144
200.00' V.C.
VPI +50.00
EL. 759.45
+0.10%
VPT +50.00 EL. 759.55
100-YR FLOOD PROFILE
INPLACE PROFILE
PROPOSED PROFILE
VPC +50.00 EL. 759.95
+0.10%
VPI +00.00
EL. 760.10
+0.32%
SSD = 2722
K = 745
300.00' V.C.
DITCH GRADE



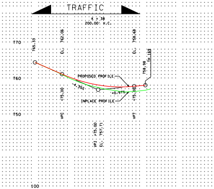
TH 169 NB


TRAFFIC
760
750
756.80 EL. 756.80
+00.00
VPC
+0.10%
VPI +50.00
EL. 756.95
K = 467
300.00' V.C.
+0.74%
EL. 758.06
EL. 758.06
+00.00
+00.00
VPT
VPC
+0.74%
VPI +00.00
EL. 758.80
SB TO NB U-TURN
+0.17%
K = 347
200.00' V.C.
EL. 758.97
+00.00
VPT
EQUATION:
BK 747796.2697 =
AH 747725.9880
PROPOSED PROFILE
INPLACE PROFILE
EL. 759.75
+00.00
VPC
+0.17%
VPI +50.00
EL. 760.00
K = 370
300.00' V.C.
ST JULIEN ST
-0.65%
EL. 759.03
+00.00
VPT
EL. 758.64
+60.80
VPC
-0.65%
VPI +60.00
EL. 758.00
K = 271
200.00' V.C.
+0.09%
EL. 758.09
758.10
+60.80
VPT
745
750
755

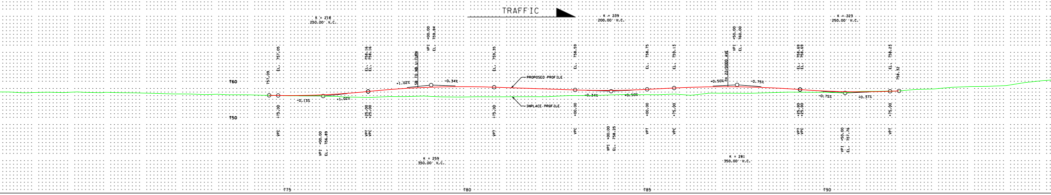
TH 169 SB


TRAFFIC
EL. 759.62
+50.00
VPT
LT
740+78 SDG LT
EL. 754.50
-2.50%
EL. 758.98
+50.00
VPC
743+06 SDG LT
EL. 748.80
+0.64%
K = 437
300.00' V.C.
-0.32%
VPI +00.00
EL. 758.50
744.00
+0.37%
SB TO NB U-TURN
EL. 759.05
+50.00
VPT
DITCH GRADE MEDIAN
+3.81%
747+00 SDG MED
EL. 755.43
+0.40%
+0.64%
EL. 759.97
+00.00
VPC
748+14 SDG LT
EL. 752.06
+0.37%
+1.46%
VPI +50.00
EL. 760.52
SSD = 1395'
K = 346
300.00' V.C.
-0.50%
+0.40%
750+00 SDG LT
EL. 754.78
EQUATION:
BK 75044.2815 =
AH 75150.9190
757.00
EL. 759.77
+06.64
VPT
+0.50%
755.50
EL. 759.35
+90.00
VPC
ST JULIEN ST
755.80
755.00
-0.50%
-0.60%
K = 500
300.00' V.C.
VPI +40.00
EL. 758.60
DITCH GRADE MEDIAN
-0.33%
+0.10%
755+53 SDG LT
EL. 754.78
EL. 758.75
+90.00
VPT
-3.69%
754.00
756+71 SDG LT
EL. 750.42
+1.07%
EL. 759.00
+42.05
VPC
+0.10%
VPI +92.05
EL. 759.15
SSD = 5545'
K = 1500
300.00' V.C.
-0.10%
DITCH GRADE LT
+1.07%
EL. 759.00
+42.05
VPT
761+19 SDG LT
EL. 755.20
+0.17%
755.50
EL. 758.75
+94.10
VPC
-0.10%
754.49
K = 1500
300.00' V.C.
VPI +44.10
EL. 758.60
+0.10%
EL. 758.75
+94.10
VPT
745
750
755
760
765

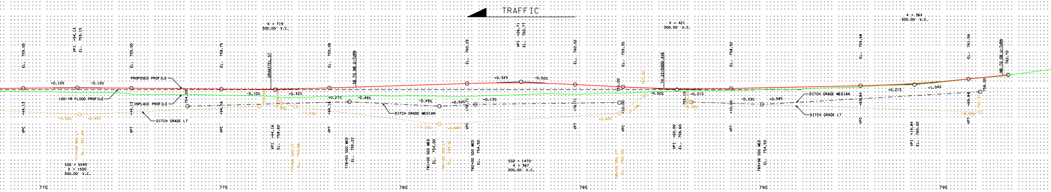
ST JULIEN ST


TRAFFIC
K = 38
200.00' V.C.
770
760
750
765.33
EL. 762.06
+75.00
VPC
-4.35%
VPI +75.00
EL. 757.71
PROPOSED PROFILE
INPLACE PROFILE
+0.97%
EL. 758.68
+75.00
VPT
758.98
TH 169
100

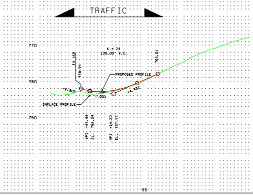
TH 169 NB

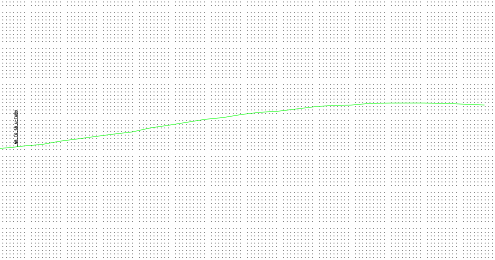

TRAFFIC
K = 218
250.00' V.C.
K = 239
200.00' V.C.
K = 223
250.00' V.C.
K = 259
350.00' V.C.
K = 281
350.00' V.C.
760
750
757.09
EL. 757.05
+75.00
VPC
VPI +00.00
EL. 756.89
EL. 758.16
EL. 758.16
+25.00
+25.00
VPT
VPC
SB TO NB U-TURN
VPI +00.00
EL. 759.94
EL. 759.35
+75.00
VPT
EL. 758.59
+00.00
VPC
VPI +00.00
EL. 758.25
EL. 758.75
+00.00
VPT
EL. 759.13
+75.00
VPC
TH 22/0000 AVE
VPI +50.00
EL. 760.00
EL. 758.69
EL. 758.69
+25.00
+25.00
VPT
VPC
VPI +50.00
EL. 757.76
EL. 758.23
+75.00
VPT
758.32
-0.13%
+1.02%
+1.02%
-0.34%
-0.34%
+0.50%
+0.50%
-0.75%
-0.75%
+0.37%
PROPOSED PROFILE
INPLACE PROFILE
775
780
785
790

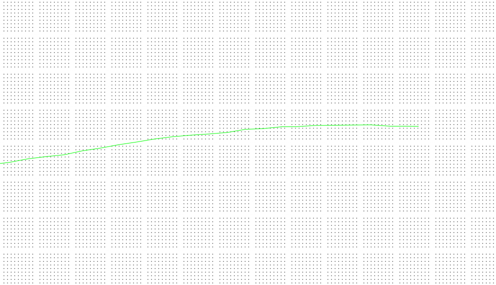
TH 169 SB

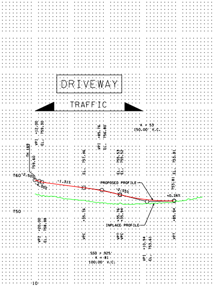

TRAFFIC
K = 719
300.00' V.C.
K = 421
300.00' V.C.
K = 364
300.00' V.C.
SSD = 5545'
K = 1500
300.00' V.C.
SSD = 1470'
K = 367
300.00' V.C.
EL. 759.00
+44.13
VPC
VPI +94.13
EL. 759.15
EL. 759.00
+44.13
VPT
754.00
EL. 758.75
+94.16
VPC
DRANTTEL ST
VPI +44.16
EL. 758.60
753.94
755.00
EL. 759.08
+94.16
VPT
SB TO NB U-TURN
778+50 SDG MED
EL. 755.22
781+00 SDG MED
EL. 754.00
EL. 760.29
+76.71
VPC
782+00 SDG MED
EL. 754.50
VPI +26.71
EL. 760.71
EL. 760.02
+76.71
VPT
755.00
EL. 759.35
+10.00
VPC
757.00
TH 22/0000 AVE
VPI +60.00
EL. 758.60
755.15
755.20
EL. 758.92
+10.00
VPT
789+96 SDG MED
EL. 754.50
EL. 759.68
+69.84
VPC
VPI +19.84
EL. 760.00
EL. 761.56
+69.84
VPT
758.00
752.37
NB TO SB U-TURN
762.70
771+00 SDG LT
EL. 751.69
777+00 SDG LT
EL. 753.86
781+00 SDG LT
EL. 749.01
786+00 SDG LT
EL. 752.00
+0.10%
-0.10%
-0.10%
+0.32%
+0.27%
-0.49%
-0.49%
+0.50%
+0.13%
+0.32%
-0.50%
-0.50%
+0.21%
-0.33%
+0.58%
+0.21%
+1.04%
-0.50%
+0.45%
-2.84%
-1.21%
-1.21%
+0.68%
+0.60%
+7.14%
-0.38%
-0.38%
PROPOSED PROFILE
100-YR FLOOD PROFILE
INPLACE PROFILE
DITCH GRADE LT
DITCH GRADE MEDIAN
DITCH GRADE MEDIAN
DITCH GRADE LT
770
775
780
785
790
795

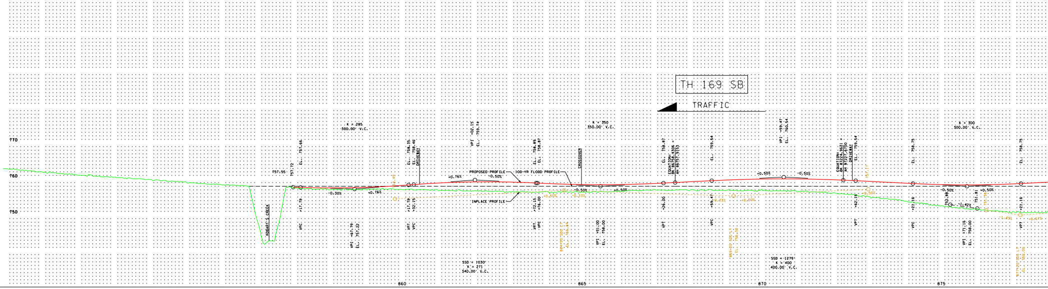
TH 22

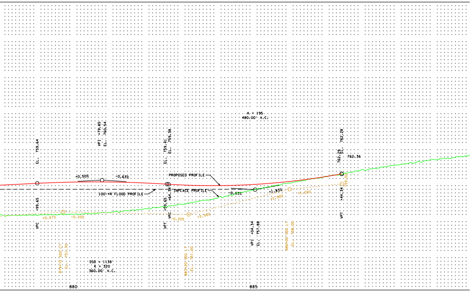

TRAFFIC
770
760
750
K = 24
130.00' V.C.
TH 169
758.94
763.01
-2.90%
-1.00%
+4.43%
PROPOSED PROFILE
INPLACE PROFILE
VPI +47.44
EL. 758.24
VPI +14.20
EL. 757.57
55








TH 169 SB
TRAFFIC
770
760
750
K = 285
300.00' V.C.
757.55
757.72
EL. 757.66
VPC +17.79
ROBART'S CREEK
-0.30%
+0.76%
VPI +67.79
EL. 757.22
754.49
EL. 758.35
EL. 758.46
DRIVEWAY
VPT +17.79
VPC +32.15
+0.76%
VPI +02.15
EL. 759.74
PROPOSED PROFILE
-0.50%
100-YR FLOOD PROFILE
INPLACE PROFILE
EL. 758.89
EL. 758.87
VPT +72.15
VPC +76.00
+0.50%
884+50 SDC LT
EL. 756.84
CROSSOVER
K = 350
350.00' V.C.
-0.50%
-0.33%
+0.50%
VPI +51.00
EL. 758.00
SSD = 1030'
K = 271
340.00' V.C.
860
865
EL. 758.87
EQUATION:
BK 86758.4306 =
AH 86757.9153
VPT +26.00
EL. 759.54
VPC +59.47
-0.33%
+0.50%
869+20 SDC LT
EL. 755.30
+0.50%
VPI +59.47
EL. 760.54
-0.50%
SSD = 1279'
K = 400
400.00' V.C.
EQUATION:
BK 87224.9631 =
AH 87227.6700
DRIVEWAY
EL. 759.54
VPT +62.10
757.17
+0.50%
EL. 758.75
VPC +27.16
-0.50%
752.88
-1.42%
751.81
+0.50%
751.36
K = 300
300.00' V.C.
VPI +71.16
EL. 758.00
-1.43%
EL. 758.75
VPT +27.16
+0.67%
877+20 SDC LT
EL. 750.00
870
875


VPC +99.65 EL. 759.64
VPI +79.65 EL. 760.54
+0.50%
-0.63%
VPT +59.65 EL. 759.41
VPC +64.34 EL. 759.38
PROPOSED PROFILE
100-YR FLOOD PROFILE
INPLACE PROFILE
K = 195
480.00' V.C.
-0.63%
+1.83%
VPI +04.34 EL. 757.88
VPT +44.34 EL. 762.29
762.28
762.36
+0.67%
-0.20%
-0.20%
+2.50%
+2.50%
+1.03%
879+72 SDG LT EL. 751.70
883+20 SDG LT EL. 751.00
886+00 SDG LT EL. 758.00
759.50
SSD = 1138'
K = 320
360.00' V.C.
880
885