

Sample Plan

STAGING PLAN ----- NARRATIVE

References:

Design Scene: Chapter 6 - Staging

Miscellaneous:

<http://ihub.metro/design/coordination.html> Materials Coordination

General Information:

Prepare the staging plan in consultation with the appropriate groups including Traffic, Construction, Water Resources, Materials, municipalities, Area Engineer, Business Liaison, etc.

If applicable, consider bus lanes on shoulders through construction bottlenecks.

If applicable, consider computing and showing earthwork by stages.

Designer should give special attention to the need for temporary items such as paving, drainage, utilities, lighting, signing, signals, TMS, Temporary Pedestrian Access Routes etc. and provide if necessary. Consider guardrail end treatments and connections to bridge rails (Design Specials) when traffic is diverted to the opposing traffic lanes when closing traffic in one direction.

Temporary erosion control measures may be shown on this sheet or on a separate erosion control plan. See Erosion Control Plan narrative and checklist.

Temporary traffic control devices may be shown on this sheet or on a separate traffic control plan. See Traffic Control Plan narrative and checklist.

Consider staging needs for other transportation modes, e.g. pedestrian, bicycle, etc.

Consideration should be given to providing temporary attenuators during staged construction of projects as required to protect all temporary concrete barriers, pier columns, or other blunt ends. For major projects with complex staging requiring attenuators, try to use attenuator systems that can be easily salvaged and reused (either on the project or by Maintenance). Generally, the Traffic Control Plan will address these issues.

Sample Plan

STAGING PLAN ----- CHECKLIST

- 1. Legend
- 2. Bar Scale
- 3. Arrows representing traffic flow
- 4. Cross-hatch construction and removal areas
- 5. Label all roadways
- 6. Represent Inplace roadways with dashes
- 7. Provide text when necessary
- 8. Provide Insets when necessary
- 9. North arrow
- 10. Label alignments
- 11. Temporary portable concrete median barrier and Impact Attenuator
- 12. See Erosion Control Checklist, if applicable
- 13. See Traffic Control Checklist, if applicable
- 14. Cross references to other sheets (as applicable)
- 15. Drawn by: and Checked by: Initials and Engineer's Signature

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STAGE 2 TRAFFIC

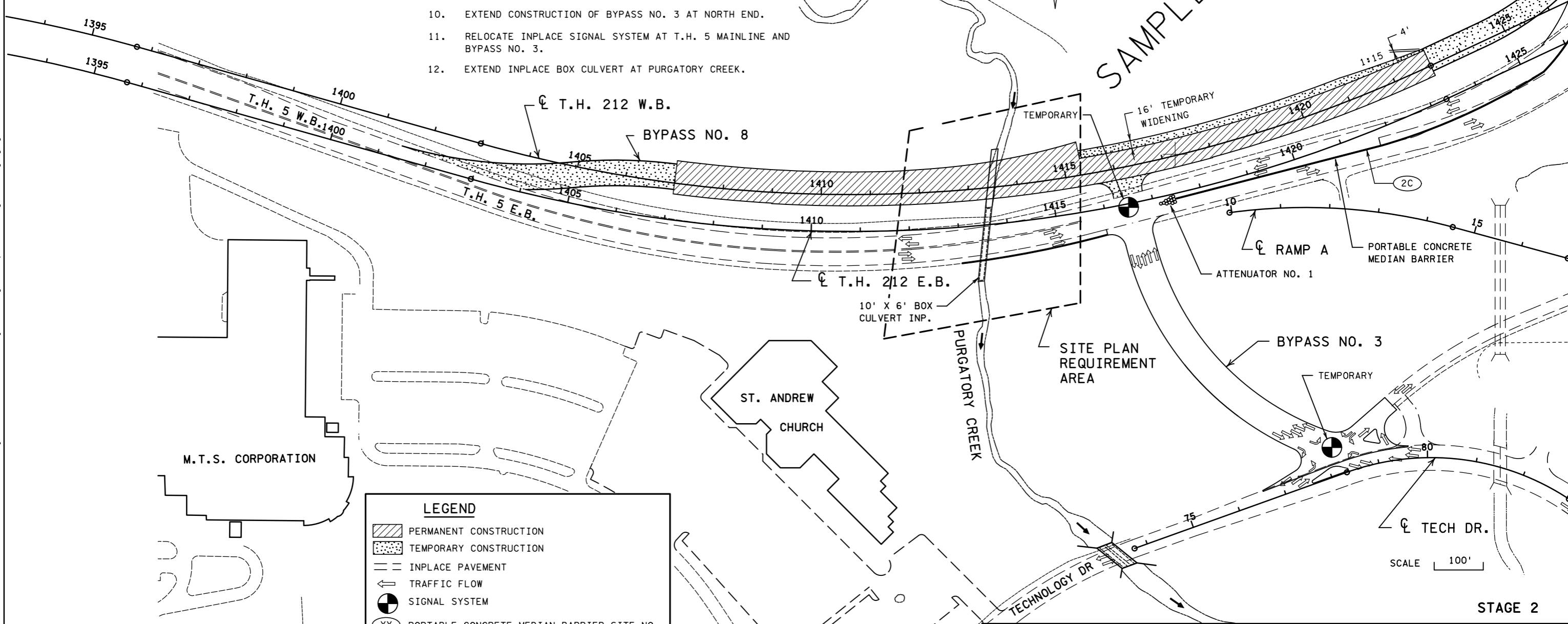
1. SWITCH INPLACE T.H. 5 E.B. AND W.B. TRAFFIC TO BYPASS NO. 6.
2. SWITCH INPLACE PRAIRIE CENTER DRIVE TRAFFIC TO TECHNOLOGY DRIVE, BYPASS NO. 3 AND PART OF BYPASS NO. 6.
3. OPEN ENTRANCE RIGHT OF PRAIRIE CENTER DRIVE STA. 55+50.
4. TECHNOLOGY DRIVE IS ALL OPEN TO TRAFFIC EXCEPT STA. 76+50 TO 80+00 WHICH WILL USE BYPASS NO. 3 SIGNALIZED INTERSECTION.
5. OPEN BYPASS NO. 7 TO RAMP D TRAFFIC.
6. ACCESS TO N.S.P. PROPERTY LT. W. 78TH ST. STA. 19+50 SHALL BE MAINTAINED DURING THE CONSTRUCTION.
7. RAMP A/RAMP A2 STA. 20+00 TO STA. 23+75 AND LOOPA STA. 20+00 TO 23+75 HAVE BEEN GRADED BY PREVIOUS CONTRACT, S.P. 2762-19.
8. ALL OTHER INPLACE ROADWAYS WITH TRAFFIC IN STAGE 1, PHASE 2 ARE TO REMAIN OPEN TO TRAFFIC DURING STAGE 2 CONSTRUCTION.

STAGE 2 CONSTRUCTION

1. BEGIN CONSTRUCTION OF BRIDGE NO. 27148.
2. CONSTRUCT T.H. 212 E.B. STA. 1428+00 TO 1445+00. OMIT SHOULDER LEFT OF STA. 1428+00 TO 1438+00. OMIT CURB AND GUTTER RIGHT OF STA. 1440+00 TO 1445+00.
3. CONSTRUCT T.H. 212 W.B. STA. 1407+00 TO 1422+80. CONSTRUCT 11' WIDE SHOULDER RIGHT OF STA. 1409+00 TO 1418+00.
4. CONSTRUCT TEMPORARY WIDENING LEFT OF T.H. 212 E.B. STA. 1428+00 TO 1438+00.
5. CONSTRUCT TEMPORARY WIDENING RIGHT OF T.H. 212 E.B. STA. 1437+00 TO 1445+00.
6. CONSTRUCT PRAIRIE CENTER DRIVE STA. 56+50 TO 70+00.
7. CONSTRUCT W. 78 ST. E.B. AND W.B. EMPHASIS SHALL BE ON COMPLETING THE PORTION FROM STA. 14+00 TO THE EAST SO THAT SECTION CAN BE OPENED TO TRAFFIC AS SOON AS POSSIBLE.
8. RESTORE PRAIRIE CENTER DRIVE MEDIAN SOUTH OF STA. 50+00.
9. CONSTRUCT BYPASS NOS. 8 AND 9, INCLUDING TEMPORARY WIDENING LEFT OF T.H. 212 W.B. STA. 1415+34 TO 1422+80.
10. EXTEND CONSTRUCTION OF BYPASS NO. 3 AT NORTH END.
11. RELOCATE INPLACE SIGNAL SYSTEM AT T.H. 5 MAINLINE AND BYPASS NO. 3.
12. EXTEND INPLACE BOX CULVERT AT PURGATORY CREEK.

STAGE 2 EROSION CONTROL

1. DAM CREEK UPSTREAM AT A TIME WHEN THE CREEK FLOW IS MINIMAL. MINIMIZE BOX CULVERT CONSTRUCTION TIME IN CREEK TO ONE DAY. REMOVE DAM IMMEDIATELY WHEN DONE.
2. RAPID STABILIZATION TO BE USED ON SLOPES WITHIN 200' OF CREEK UNTIL PERMANENT EROSION CONTROL IS IN PLACE.
3. ALL DEWATERING WILL REQUIRE A SITE PLAN.
4. CONTINGENCY PLAN FOR ACCIDENTAL RELEASE OF CHEMICALS MUST BE PREPARED PRIOR TO WORK IN SITE PLAN AREA.



LEGEND

- PERMANENT CONSTRUCTION
- TEMPORARY CONSTRUCTION
- INPLACE PAVEMENT
- TRAFFIC FLOW
- SIGNAL SYSTEM
- PORTABLE CONCRETE MEDIAN BARRIER SITE NO.

SAMPLE PLAN

STAGING PLAN