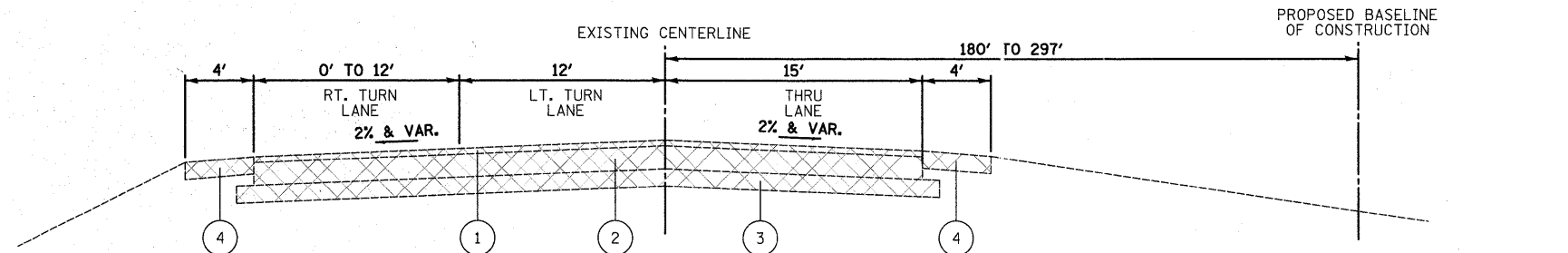
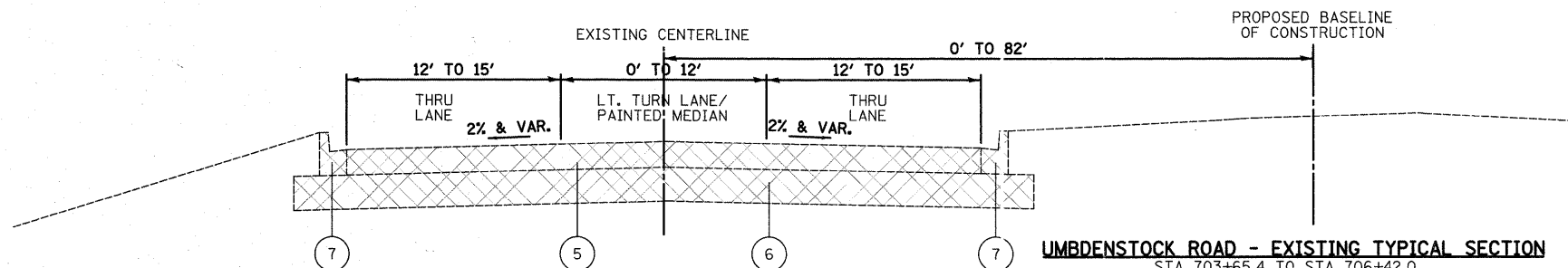


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| DATE | |
| BY | |
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| SURVEYED | |
| PLOTTED | |
| DATE | |
| NO. OF SHEETS | |
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| NO. | |

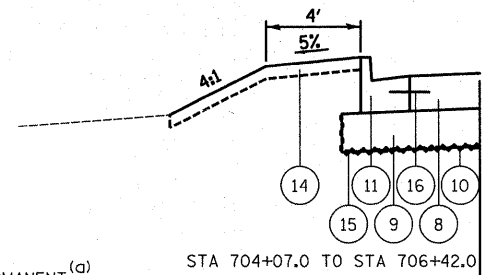
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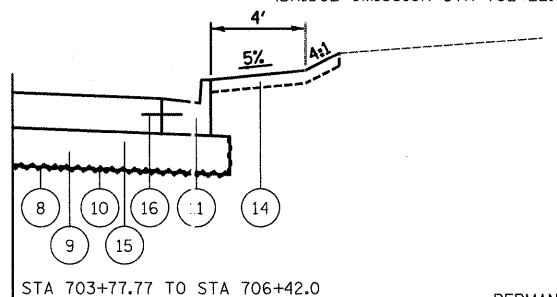
UMBENSTOCK ROAD - EXISTING TYPICAL SECTION
STA 700+19.9 TO STA 702+22.0
(BRIDGE OMISSION STA 702+22.0 TO STA 703+65.4)



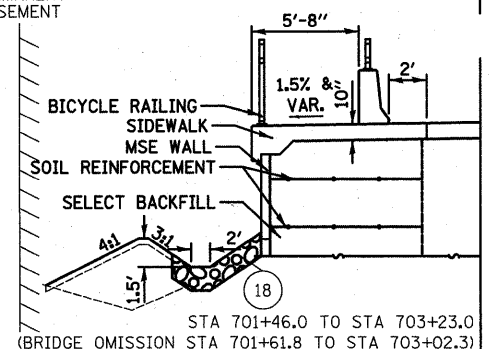
UMBENSTOCK ROAD - EXISTING TYPICAL SECTION
STA 703+65.4 TO STA 706+42.0
(BRIDGE OMISSION STA 702+22.0 TO STA 703+65.4)



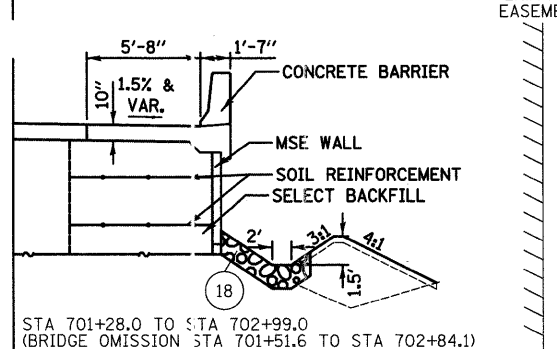
STA 704+07.0 TO STA 706+42.0



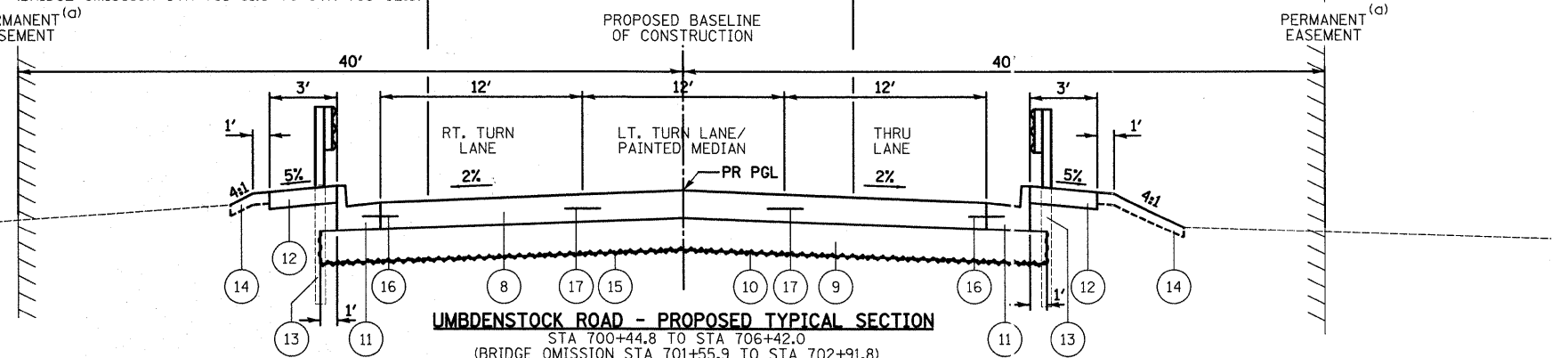
STA 703+77.77 TO STA 706+42.0



STA 701+46.0 TO STA 703+23.0
(BRIDGE OMISSION STA 701+61.8 TO STA 703+02.3)



STA 701+28.0 TO STA 702+99.0
(BRIDGE OMISSION STA 701+51.6 TO STA 702+84.1)



UMBENSTOCK ROAD - PROPOSED TYPICAL SECTION
STA 700+44.8 TO STA 706+42.0
(BRIDGE OMISSION STA 701+55.9 TO STA 702+91.8)

LEGEND

- 1 EXISTING HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N50, 2" TO 10"
- 2 EXISTING HOT-MIX ASPHALT, 8" TO 12"
- 3 EXISTING AGGREGATE BASE 8" TO 12"
- 4 EXISTING AGGREGATE SHOULDERS, TYPE B 6"
- 5 EXISTING HOT-MIX ASPHALT, 3" TO 12-1/2"
- 6 EXISTING AGGREGATE BASE, 5" TO 19"
- 7 EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- 8 PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
- 9 PROPOSED AGGREGATE SUBGRADE 12"
- 10 PROPOSED GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- 11 PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- 12 PROPOSED HOT-MIX ASPHALT SHOULDERS, 6"
- 13 PROPOSED TRAFFIC BARRIER POSTS WITH SONOTUBES (FURNISHING AND INSTALLING SONOTUBES INCLUDED IN THE COST OF TRAFFIC BARRIERS)
- 14 PROPOSED TOPSOIL FURNISH AND PLACE, 4"
- 15 PROPOSED BIAXIAL GEOGRID (TO BE INSTALLED BELOW AGGREGATE SUBGRADE, 12" - STA. 700+44.8 TO STA. 704+52.7)
- 16 PROPOSED 24" LONG NO. 6 EPOXY COATED TIE BARS AT 24" C-C (INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED))
- 17 PROPOSED 30" LONG NO. 6 EPOXY COATED TIE BARS AT 24" C-C (INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED))
- 18 PROPOSED STONE RIPRAP, CLASS A3 AND FILTER FABRIC

CONSTRUCTED AS
TEMPORARY PAVEMENT
- FALL 2010

REMOVAL

SOIL NOTES: (GEOTECHNICAL REPORT PREPARED BY TESTING SERVICE CORP. AND DATED NOVEMBER 20, 2006)

1. THE FOUR BORINGS PERFORMED ADJACENT TO THE ABUTMENT WALLS INDICATE THAT THE CLAY SOILS HAVING DEFICIENT STRENGTH VALUES EXTEND TO WELL BELOW THE PROPOSED FOOTER ELEVATION. THE CONTRACTORS PROVIDING THE MSE WALLS AND GROUND IMPROVEMENT MUST ALSO PROVIDE THEIR FINAL ANALYSIS FOR INTERNAL AND EXTERNAL STABILITY OF THEIR DESIGN.
2. ONE OF THE SOIL BORINGS ENCOUNTERED FREE GROUNDWATER WHILE DRILLING AT A DEPTH OF ONLY 2.0 FEET WITHIN THE COHESIVE FILL SOIL, WITH THE REMAINING BORINGS BEING "DRY" DURING THE DRILLING OPERATION. IT SHOULD BE EXPECTED THAT EXCAVATIONS FOR THE LEVELING PAD WILL ENCOUNTER GROUNDWATER SEEPAGE DURING CONSTRUCTION. THE CONTRACTOR SHOULD BE PREPARED TO DEWATER THESE ACCUMULATIONS.
3. GROUND SHALL BE IMPROVED TO ADEQUATELY SUPPORT MSE WALLS, ABUTMENTS, AND ROADWAY. IMPROVEMENTS SHALL SATISFY LONG TERM SETTLEMENT REQUIREMENTS OF LESS THAN 1 INCH.
4. POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES) HAS BEEN PROVIDED FOR SOILS THAT ARE UNSTABLE WHEN WET. THE NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT SUBGRADE MANUAL). IF UNSTABLE SOILS ARE ENCOUNTERED, THE SOILS SHALL BE REMOVED AND REPLACED WITH PGES. IF UNSTABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY WILL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.

| HOT-MIX ASPHALT MIXTURE REQUIREMENTS | |
|--|------------------|
| MIXTURE TYPE | AIR VOIDS @ Ndes |
| SHOULDERS | |
| HOT-MIX ASPHALT SHOULDER (HMA BINDER IL-19 mm); 6" (IN 2 LIFTS) | 2% @ 30 Gyr. |
| TEMPORARY PAVEMENT | |
| TEMP PAVEMENT (HMA BINDER IL-19mm), 8" (IN 3 LIFTS) | 4% @ 50 Gyr. |
| FULL DEPTH PAVEMENT | |
| POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL9.5mm), 2" | 4% @ 90 Gyr. |
| POYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 14" (IN 4 LIFTS) | 4% @ 90 Gyr. |

NOTES:
(a) PERMANENT EASEMENT ACROSS CC&P RAILROAD AND COMED STA 700+84.1 TO STA 704+19.9

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG-70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.