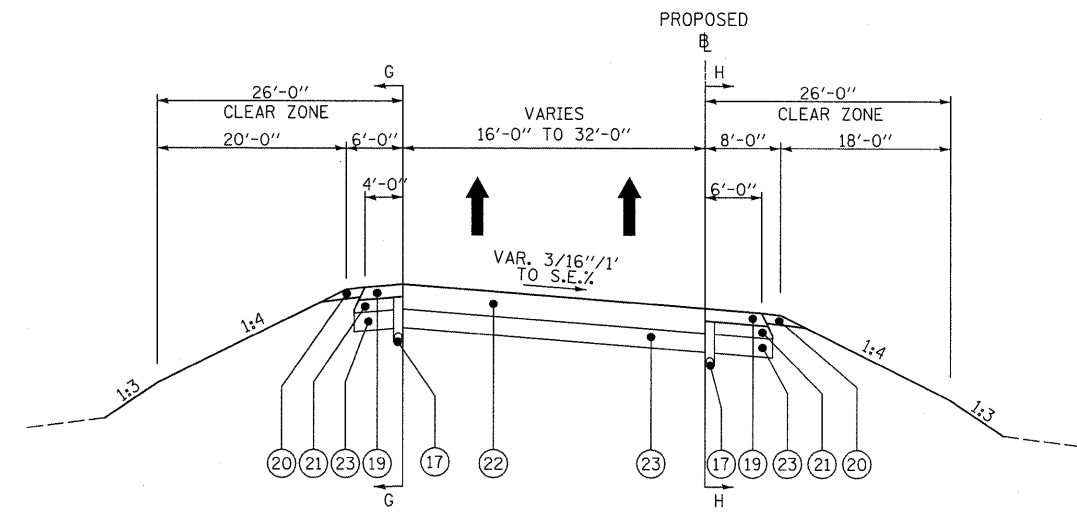
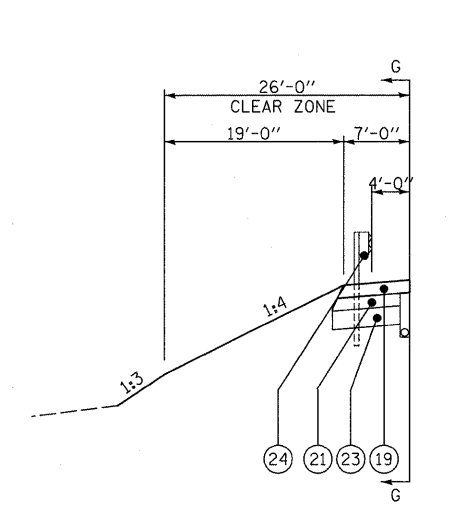


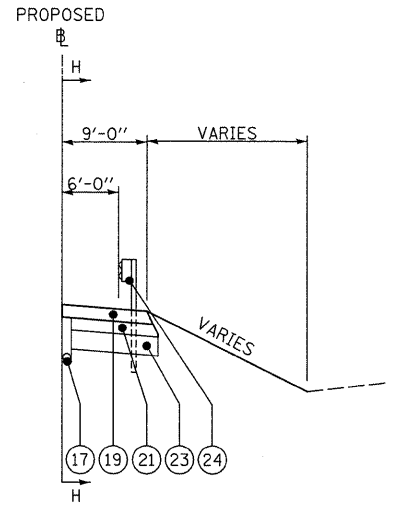
RAMP TYPICAL SECTION
RAMP P5
STA 31256+83 TO STA 31264+32
STA 31273+48 TO STA 31279+50



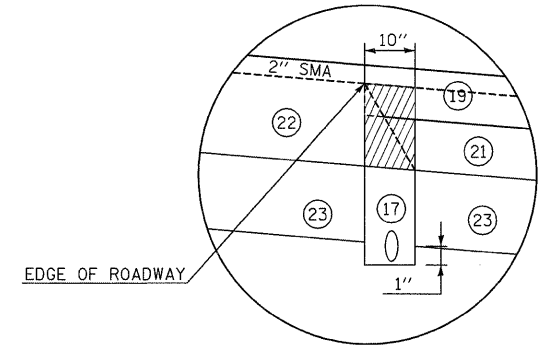
RAMP TYPICAL SECTION
RAMP P5
STA 31264+32 TO STA 31273+48



RAMP P5 SECTION G-G
GUARDRAIL SECTION
STA 31268+98 TO STA 31271+72



RAMP P5 SECTION H-H
GUARDRAIL SECTION
STA 31257+85 TO STA 31271+72



NOTES:
WHEN BACKFILLING THE PIPE UNDERDRAIN TRENCH, FILL MATERIAL SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER

- NOTES:
- SHOULDER SLOPE - LOW SIDE OF S.E. ; SLOPE SHALL BE THE SAME AS THE S.E. BUT NOT LESS THAN 4%.
 - SHOULDER SLOPE - HIGH SIDE OF S.E. ; WHEN THE S.E. RATE OF THE PAVEMENT IS BETWEEN 0% AND 4%, THE SHOULDER SHALL BE SLOPED AT 4%. WHEN THE S.E. RATE OF THE PAVEMENT EXCEEDS 4% THE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN PAVEMENT AND SHOULDER WILL NOT BE GREATER THAN 8%.
 - MAXIMUM 8% BREAKOVER

- SEQUENCE OF CONSTRUCTION FOR PIPE UNDERDRAINS
- CONSTRUCT THE PROPOSED FULL DEPTH ASPHALT PAVEMENT TO THE BOTTOM OF THE TOP LIFT
 - CONSTRUCT THE PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE C
 - CONSTRUCT THE PROPOSED HOT-MIX ASPHALT SHOULDERS TO THE BOTTOM OF THE TOP LIFT
 - REMOVE A PORTION OF THE NEWLY CONSTRUCTED SHOULDER AND PLACE THE UNDERDRAINS AND SAND BACKFILL
 - PLACE SUB-BASE GRANULAR MATERIAL, TYPE C
 - PLACE HOT-MIX ASPHALT SHOULDERS TO THE BOTTOM OF THE TOP LIFT
 - PLACE THE FINAL LIFT OF HMA SHOULDER

LEGEND

- | | | |
|--|---|--|
| ① EXISTING P.C.C. CONCRETE | ⑩ PROPOSED BITUMINOUS MATERIALS (PRIME COAT) | ⑱ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH |
| ② EXISTING SUB-BASE GRANULAR MATERIAL TYPE A | ⑪ PROPOSED AGGREGATE (PRIME COAT) | ⑲ PROPOSED HOT-MIX ASPHALT SHOULDERS 10 1/2" |
| ③ EXISTING HMA SHOULDERS | ⑫ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80 2" | ⑳ PROPOSED AGGREGATE SHOULDERS, TYPE B, 6" |
| ④ EXISTING HMA SURFACE | ⑬ PROPOSED PAVEMENT REMOVAL | ㉑ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE C |
| ⑤ EXISTING AGGREGATE SHOULDERS | ⑭ PROPOSED AGGREGATE SHOULDERS, TYPE B | ㉒ PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 13" |
| ⑥ EXISTING PIPE UNDERDRAIN | ⑮ PROPOSED HOT-MIX ASPHALT SHOULDERS, 2" | ㉓ PROPOSED LIME MODIFIED SOIL - 12" |
| ⑦ EXISTING GUARDRAIL | ⑯ PROPOSED HOT-MIX SURFACE REMOVAL, 2" | ㉔ PROPOSED GUARDRAIL (SEE PLANS FOR LOCATIONS) |
| | ⑰ PROPOSED PIPE UNDERDRAINS, 4" | ㉕ PROPOSED PAVED SHOULDER REMOVAL |
| | | ㉖ STRIP REFLECTIVE CRACK CONTROL TREATMENT |

LAST SAVED = 3/14/2010
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FILE NAME =	USER NAME = sdonahue	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HORNER & SHIFRIN, INC. ENGINEERS	TYPICAL SECTIONS RAMP P5		F.A.I. RTE. 270	SECTION 60-2RS-3	COUNTY MADISON	TOTAL SHEETS 231	SHEET NO. 12	
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		DATE -	REVISED -										