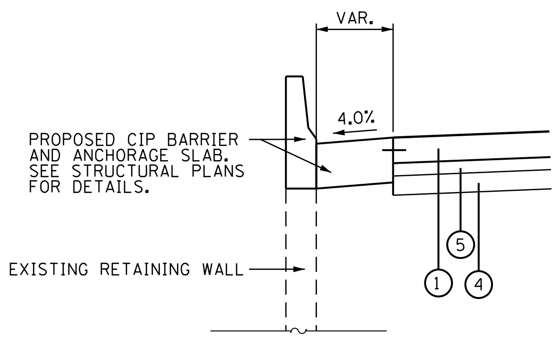
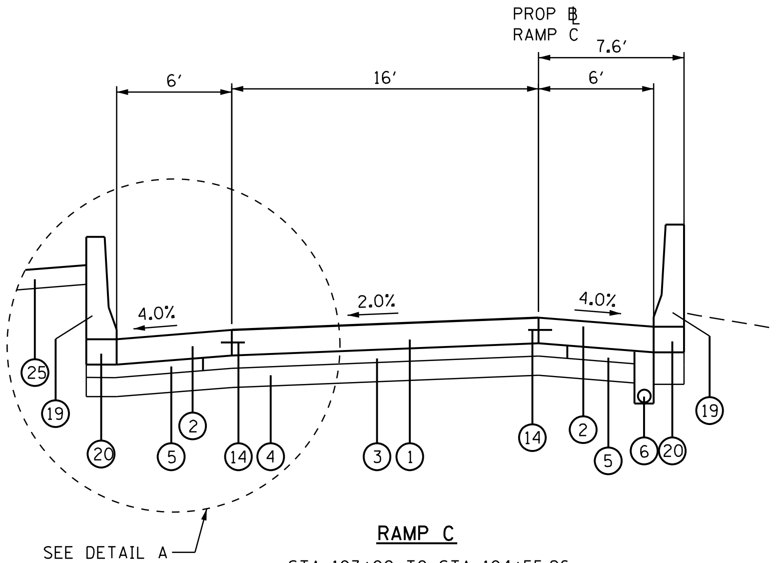


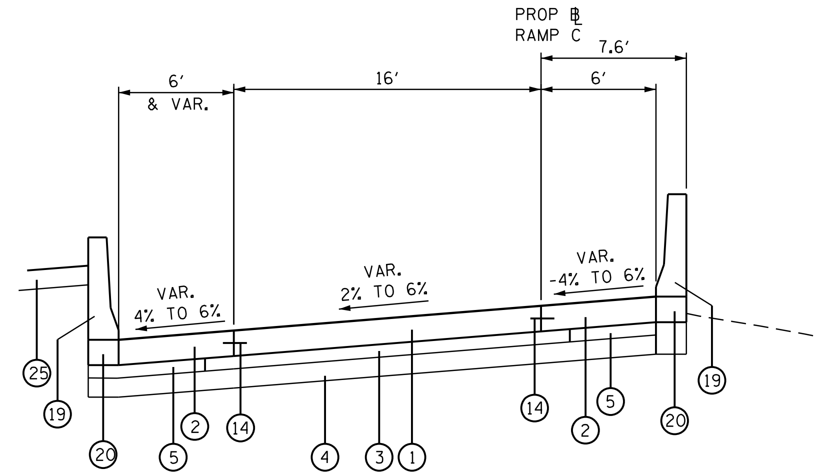
DETAIL A

STA 103+00 TO STA 103+95.88



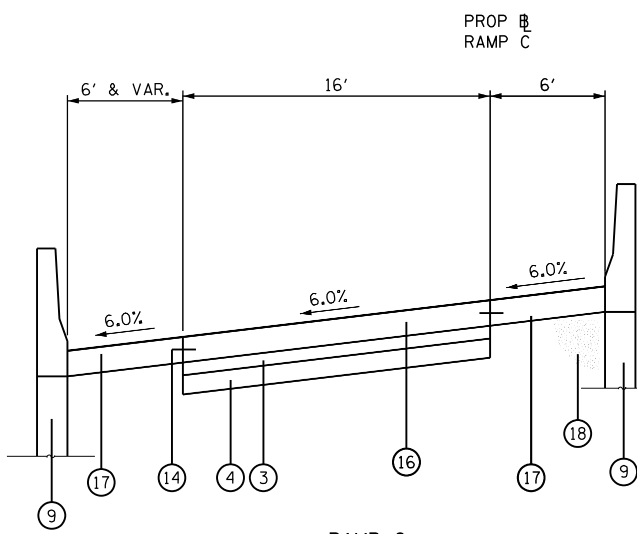
RAMP C

STA 103+00 TO STA 104+55.26



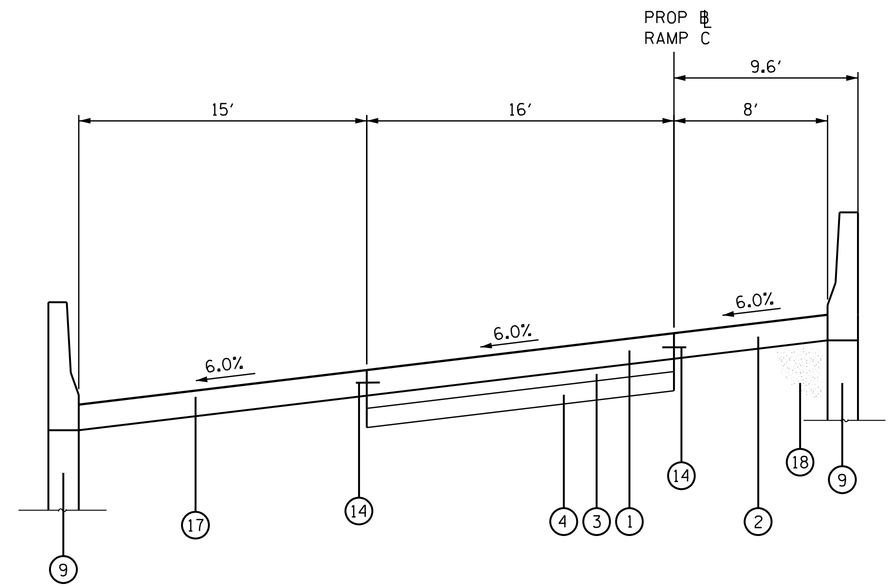
RAMP C

STA 104+55.26 TO STA 106+90.75



RAMP C

STA 106+90.75 TO STA 107+15.47 (LIMIT OF EAST APPROACH SLAB)



RAMP C

STA 112+27.29 (LIMIT OF WEST APPROACH SLAB) TO STA 113+14.95

PROPOSED LEGEND:

1. PORTLAND CEMENT CONCRETE PAVEMENT, 10-1/4" (JOINTED)
2. PORTLAND CEMENT CONCRETE SHOULDERS, 10-1/4"
3. STABILIZED SUBBASE, HOT-MIX ASPHALT, 4 1/2"
4. AGGREGATE SUBGRADE IMPROVEMENT, 12"
5. SUBBASE GRANULAR MATERIAL, TYPE C, 4 1/2"
6. PROPOSED PIPE UNDERDRAIN, 4"
7. AGGREGATE SHOULDERS, TYPE B, 10"
8. CONCRETE RETAINING WALL (PROPOSED)
9. MECHANICALLY STABILIZED EARTH RETAINING WALL (PROPOSED)
10. EROSION CONTROL BLANKET
11. TOPSOIL FURNISH AND PLACE, 4"
12. SEEDING, CLASS 2A
13. STEEL PLATE BEAM GUARDRAIL
14. LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 TIE BARS @ 24" CENTERS (INCLUDED IN THE COST OF PCC PAVEMENT)
15. LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 TIE BARS DRILL AND GROUT IN PLACE (INCLUDED IN THE COST OF PCC PAVEMENT)
16. BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)
17. ANCHORAGE SLAB (SEE STRUCT. PLANS)
18. REINFORCED SOIL MASS (SEE STRUCT. PLANS)
19. CONCRETE BARRIER, SINGLE FACE, 42" (SPECIAL), TYPE 1
20. CONCRETE BARRIER BASE (SPECIAL)
21. CONCRETE BARRIER, SINGLE FACE, 42" (SPECIAL), TYPE 2
22. PORTLAND CEMENT CONCRETE SHOULDERS, 12"
23. AGGREGATE SUBGRADE IMPROVEMENT, UNDERCUT
24. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
25. PROTECTIVE CONCRETE SLAB (SEE STRUCT. PLANS)
26. CONTINUOUSLY REINFORCED CONCRETE PAVEMENT, 12"

STRUCTURAL DESIGN TRAFFIC (RAMP C) YEAR = 2012

PV = 14080 SU = 1440 MU = 480

ROAD / STREET CLASSIFICATION: CLASS: I

PERCENT OF STRUCTURAL TRAFFIC IN DESIGN LANE:

PV = 100% SU = 100% MU = 100%

TRAFFIC FACTOR ACTUAL TF = 10.87

MINIMUM TF =

PG GRADE: BINDER: N/A SURFACE: N/A

SUBGRADE SUPPORT RATING:

SSR = POOR

BRIDGE OMISSION
RAMP C
STA 107+15.47 TO STA 112+27.29

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS
STABILIZED SUBBASE	
STABILIZED SUBBASE, HOT-MIX ASPHALT, 4 1/2"	3% @ 50 GYR.
TEMPORARY PAVEMENT (NON-INTERSTATE)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N50 (IL 9.5mm), 2"	4% @ 50 Gyr
TEMPORARY PAVEMENT (HMA BINDER IL-19 MM), 8"	4% @ 50 Gyr

1) THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN
2) THE "AC TYPE" FOR POLMERIZED HMA MIXTURES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
3) FOR USE OF RECYCLED MATERIALS, SEE SPECIAL PROVISIONS.
4) THE CONTRACTOR HAS THE OPTION TO USE PC TEMPORARY PAVEMENT. PC CONCRETE TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS"; TYPICALLY 8" THICK.
5) TEMPORARY PAVEMENT DOES NOT REQUIRE DOWEL BAR.

FILE NAME = \\collinsengr.com\il\data-il\Poseidon\DOCS\7000 - I94 at Ohio Street\CADD\CADD SHEETS\D160F63-sht-typ2.dgn

COLLINS ENGINEERS INC.

USER NAME = rgall	DESIGNED -	REVISED -
PLOT SCALE = 10.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 3/25/2013	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP C
PROPOSED TYPICAL SECTIONS

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	0303-474HB-R	COOK	368	28

CONTRACT NO. 60F63

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT