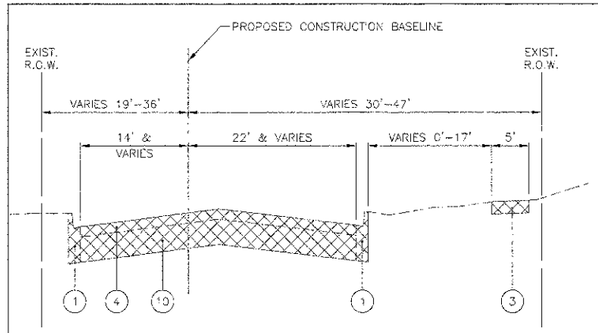
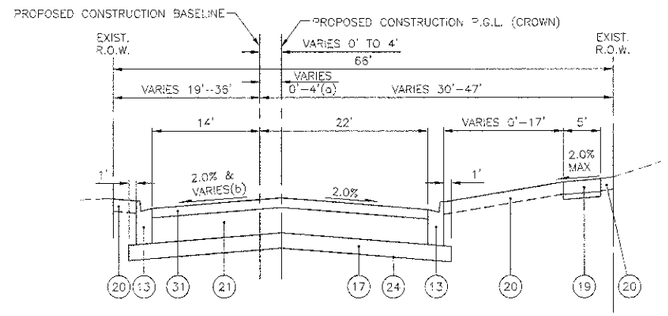


EXISTING TYPICAL SECTION

DAVIS STREET
STA. 13+52 TO STA. 17+71

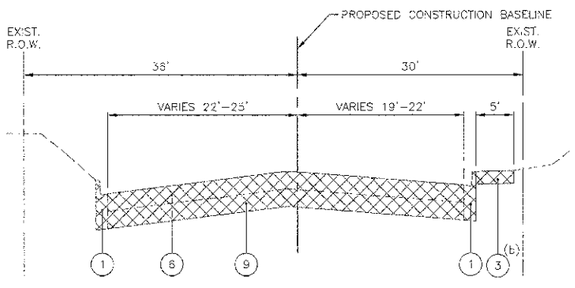


PROPOSED TYPICAL SECTION

DAVIS STREET
STA. 13+52 TO STA. 17+71

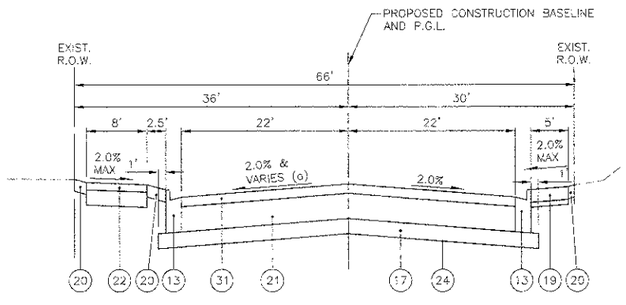
(a) 0' – STA. 15+34 TO STA. 17+71
4' – STA. 13+80 TO STA. 13+85

(b) VARIES FROM −2.0% TO +2.0% THROUGH RAILROAD INTERSECTION



EXISTING TYPICAL SECTION

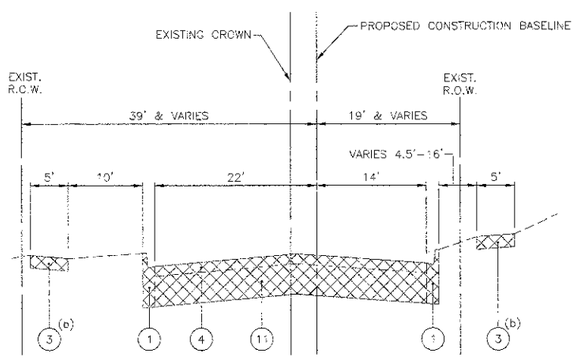
DAVIS STREET
STA. 17+71 TO STA. 22+17
(b) SEE PLAN AND PROFILE SHEETS FOR SIDEWALK REMOVAL LIMITS



PROPOSED TYPICAL SECTION

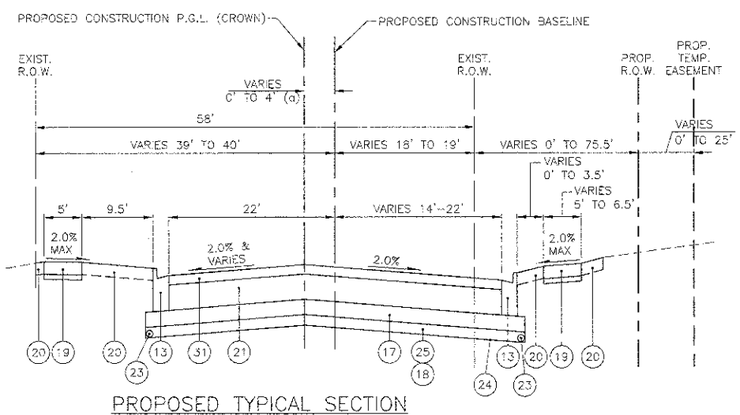
DAVIS STREET
STA. 17+71 TO STA. 22+17

(a) VARIES FROM −2.0% TO +2.0% THROUGH RAILROAD INTERSECTION



EXISTING TYPICAL SECTION

ARTHUR AVENUE
STA. 904+75 TO STA. 911+08.34
(b) SEE PLAN AND PROFILE SHEETS FOR SIDEWALK REMOVAL LIMITS



PROPOSED TYPICAL SECTION

ARTHUR AVENUE
STA. 904+75 TO STA. 911+08.33

(a) 0' – STA. 907+80 TO STA. 911+08.34
4' – STA. 904+75 TO STA. 905+00
(a) VARIES FROM −2.0% TO +2.5%

LEGEND

1. EXIST. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
2. NUMBER NOT USED ON THIS SHEET
3. EXIST. P.C.C. SIDEWALK
4. EXIST. BITUMINOUS PAVEMENT, 4" (±)
5. NUMBER NOT USED ON THIS SHEET
6. EXIST. BITUMINOUS PAVEMENT, 7" (±)
7. NUMBER NOT USED ON THIS SHEET
8. NUMBER NOT USED ON THIS SHEET
9. EXIST. AGGREGATE SUBBASE, 7" (±)
10. EXIST. AGGREGATE SUBBASE, 10" (±)
11. EXIST. AGGREGATE SUBBASE, 12" (±)
12. NUMBER NOT USED ON THIS SHEET
13. PROP. COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18
14. NUMBER NOT USED ON THIS SHEET
15. NUMBER NOT USED ON THIS SHEET
16. NUMBER NOT USED ON THIS SHEET
17. PROP. AGGREGATE SUBGRADE IMPROVEMENT 12"
18. *REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
19. PROP. P.C.C. SIDEWALK 5" WITH AGGREGATE BASE COURSE, TYPE B, 2"
20. FURNISHING AND PLACING TOPSOIL, 4" & SODDING, SALT TOLERANT
21. PROP. HOT-MIX ASPHALT BINDER COURSE, IL-19, N70 (6-1/4")
22. PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (3") OVER 8" AGGREGATE BASE COURSE
23. PROP. PIPE UNDERDRAINS, 4"
24. PROP. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
25. PROP. AGGREGATE SUBGRADE IMPROVEMENT
26. NUMBER NOT USED ON THIS SHEET
27. NUMBER NOT USED ON THIS SHEET
28. NUMBER NOT USED ON THIS SHEET
29. NUMBER NOT USED ON THIS SHEET
30. NUMBER NOT USED ON THIS SHEET
31. PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N70 2"
32. NUMBER NOT USED ON THIS SHEET

PAVEMENT DESIGN INFORMATION

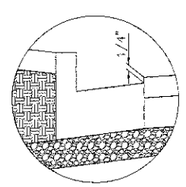
DAVIS STREET

ROADWAY CLASSIFICATION
CLASS II
STRUCTURAL DESIGN TRAFFIC
YEAR= 2019 PV= 6,755 VPD SU= 210 VPD MU= 35 VPD
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE
P= 50% S= 50% M= 50%
TRAFFIC FACTOR
ACTUAL TF= 0.46 MINIMUM TF= N/A
ILLINOIS BEARING RATIO
IBR= 2.2
AC TYPE & PG GRADE
SEE BITUMINOUS MIXTURE REQUIREMENT TABLE

PAVEMENT DESIGN INFORMATION

ARTHUR AVENUE

ROADWAY CLASSIFICATION
CLASS II
STRUCTURAL DESIGN TRAFFIC
YEAR=2019 PV=10,370 VPD SU= 270 VPD MU= 60 VPD
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE
P= 50% S= 50% M= 50%
TRAFFIC FACTOR
ACTUAL TF= 0.66 MINIMUM TF= N/A
ILLINOIS BEARING RATIO
IBR= 2.2
AC TYPE & PG GRADE
SEE BITUMINOUS MIXTURE REQUIREMENT TABLE



DETAIL A

REMOVAL

* REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL AND SUBGRADE TREATMENT AREAS:

STATION LIMITS		ESTIMATED THICKNESS
FROM	TO	
STA. 904+75	905+75	AGGREGATE SUBGRADE IMPROVEMENT 8 INCHES AND UNDERDRAIN

PLAN
PROFILE
DATE
BY
SURVEYED
PLOTTED
ALIGNMENT CHECKED
ELEV. NOTED
STRUCTURE NOTATIONS CHKD
FIELD BOOK
NOTE BOOK
NO.
CADD FILE NAME

CIVILTECH

USER NAME = $USER$	DESIGNED - RTM	REVISED -	
	DRAWN - JRR	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - RTM	REVISED -	
PLOT DATE = $DATE$	DATE - 10/22/12	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SHEET NO. 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	02-00177-00 WR	COOK	142	10
PROJECT NO. M-8003(426)		CONTRACT NO. 63514		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		