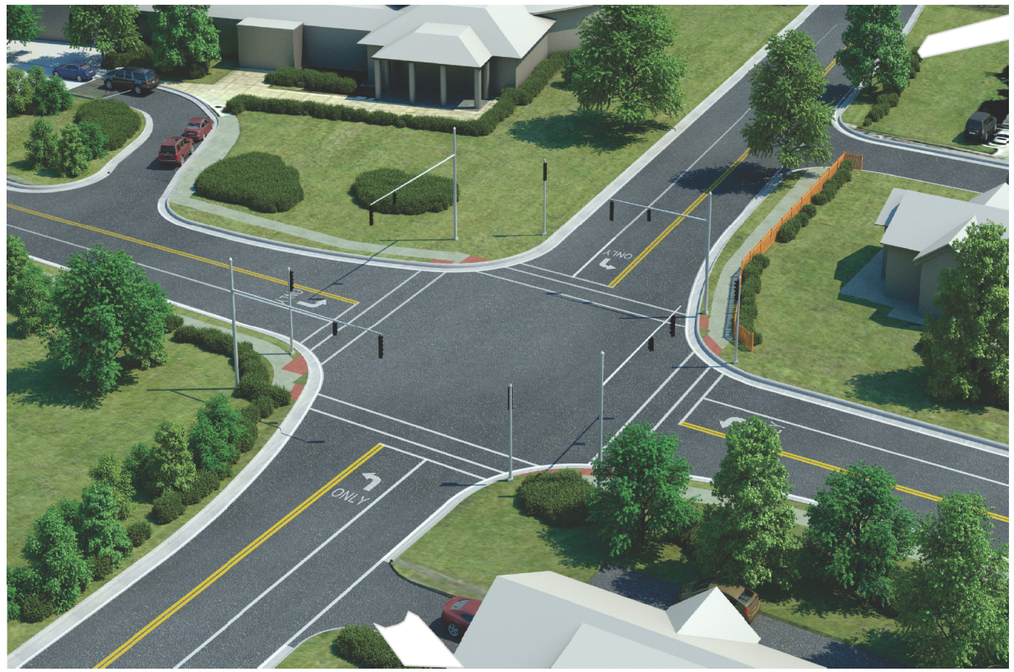
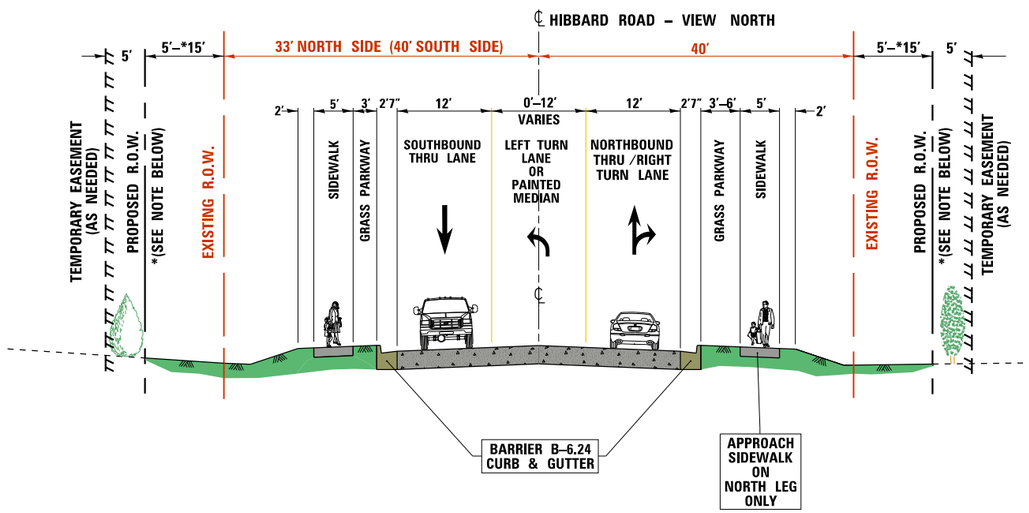
ALTERNATIVES CONSIDERED

Alternative 1: Traffic Signal Installation

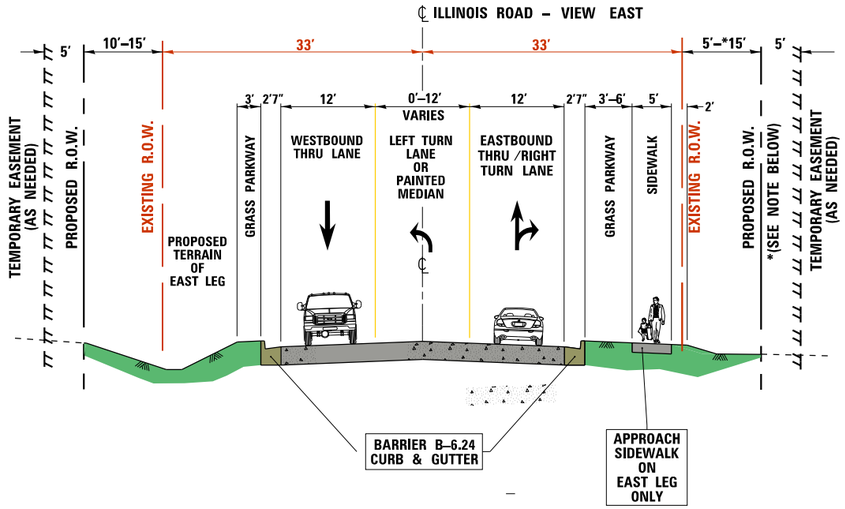
- Traffic signal installation
- Left turn lanes on each leg
- Tree/bush pruning and/or removal as needed
- Drainage improvements, profile modifications
- ±0.10 acres of Land Acquisition
- Drainage improvements with slight profile modifications
- Connect sidewalks and crosswalks
- Add pedestrian signals and push button countdown timers
- Cost: $2,700,000





*NOTE: A MAJORITY OF THE THE PROPOSED R.O.W. IS GENERALLY NEEDED DIRECTLY AT THE INTERSECTION.

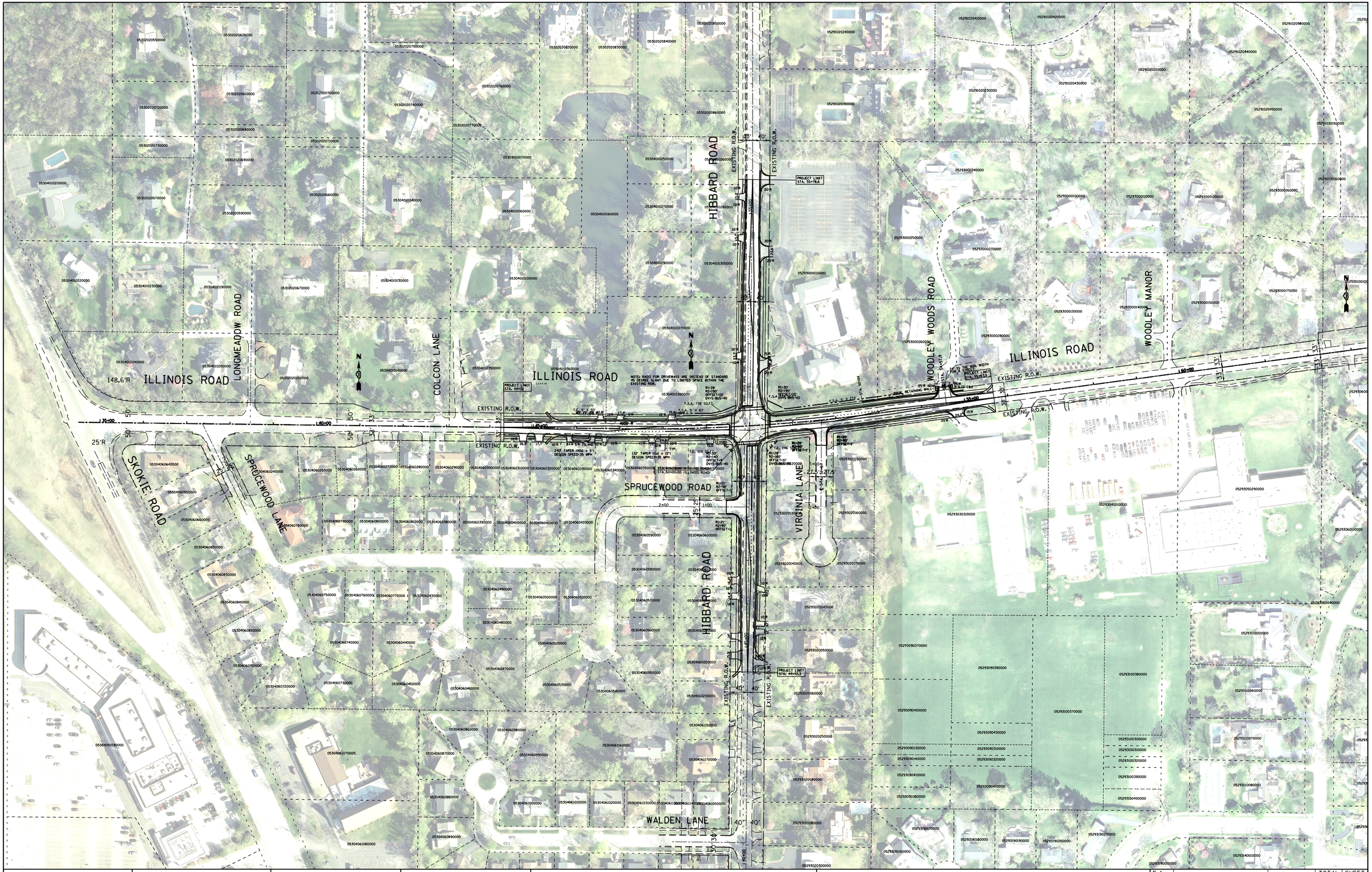
PROPOSED TYPICAL SECTION HIBBARD ROAD



*NOTE: A MAJORITY OF THE THE PROPOSED R.O.W. IS GENERALLY NEEDED DIRECTLY AT THE INTERSECTION.

PROPOSED TYPICAL SECTION ILLINOIS ROAD

P147009-planning3.dgn 4/



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.

CONTRACT NO.

ILLINOIS | FED. AID PROJECT

PLAN
SURVEYED
PLOTTED
CHANGES CHECKED
R/T. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
CHANGES CHECKED
BM. NOTED
STRUCTURE NO'S/TNS CHKD
NOTE BOOK
NO.
BY
DATE

COLCON LANE

ILLINOIS ROAD

PROJECT LIMIT STA. 44+32

EXISTING R.O.W.

STA.45+60

45+00

240' TAPER (40:1)

132' TAPER

150' STORAGE

4000' R

240' TAPER (40:1 x 6')
DESIGN SPEED=35 MPH

132' TAPER (11:1 x 12')
DESIGN SPEED=35 MPH

2' TYP.

CLOSED

NOTE: RADII FOR DRIVEWAYS ARE INSTEAD OF STANDARD 45 DEGREE SLANT DUE TO LIMITED SPACE WITHIN THE EXISTING ROW.

R1=28'
R2=190'
OFFSET=10'
DV=S-BUS-40

R1=30'
R2=190'
OFFSET=10'
DV=S-BUS-40

R1=30'
R2=140'
OFFSET=9'
DV=S-BUS-40

R1=28'
R2=180'
OFFSET=11'
DV=S-BUS-40

R1=20'
R2=90'
OFFSET=1'

R1=21'
R2=90'
OFFSET=1'

℄ STA 50+00.00 (HIBBARD ROAD)=
℄ STA 50+00.00 (ILLINOIS ROAD)

SPRUCEWOOD ROAD

VIRGINIA LANE

℄ STA. 51+67

STA. 52+XX

WOODLEY WO

STA. 54+57.9

24' IS THE MIN. WIDTH FOR A STREET

PROJECT LIMIT STA. 55+67.5

ILLINOIS R

EXISTING R.O.W.

PROP. RETAINING WALL

25'R (MIN)

25'R B-6.12 C&G

55+00

240' TAPER

132' TAPER

150' STORAGE

25'R

15'R

24.2'

PROJECT LIMIT STA. 44+32

PROJECT LIMIT STA. 55+67.5

℄ PROFILE FOR ILLINOIS RD.

℄ VIRGINIA LANE

℄ HIBBARD RD. ℄ STA. 50+00

VPI STA. 47+99.81
ELEVATION 625.28

VPI STA. 50+00.00
ELEVATION 625.78

VPI STA. 52+00.00
ELEVATION 625.52

VPI STA. 54+57.68
ELEVATION 625.75

ex = 0.04
K = 394
105.00' V.C.

ex = 0.03
K = 479
105.00' V.C.

SSD = 287'
ex = -0.03
K = 186
70.68' V.C.

+47.31 EL. 625.29
+52.31 FL. 625.41
+47.50 EL. 625.59
+52.50 EL. 625.50
+64.66 EL. 625.69
+35.34 EL. 625.73

625.34
625.69

-0.02%
+0.25%
-0.13%
0.13%
+0.09%
-0.05%

650 645 640 635 630 625 620 615 610

625.37 625.33 625.34 625.38 625.33 625.32 625.38 625.31 625.31 625.39 625.30 625.29 625.42 625.32 625.41 625.48 625.53 625.66 625.49 625.75 625.71 625.49 625.65 625.59 625.64 625.55 625.56 625.71 625.61 625.65 625.74 625.70 625.74 625.73 625.73 625.70 625.67 625.78

43+00 44+00 45+00 46+00 47+00 48+00 49+00 50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00

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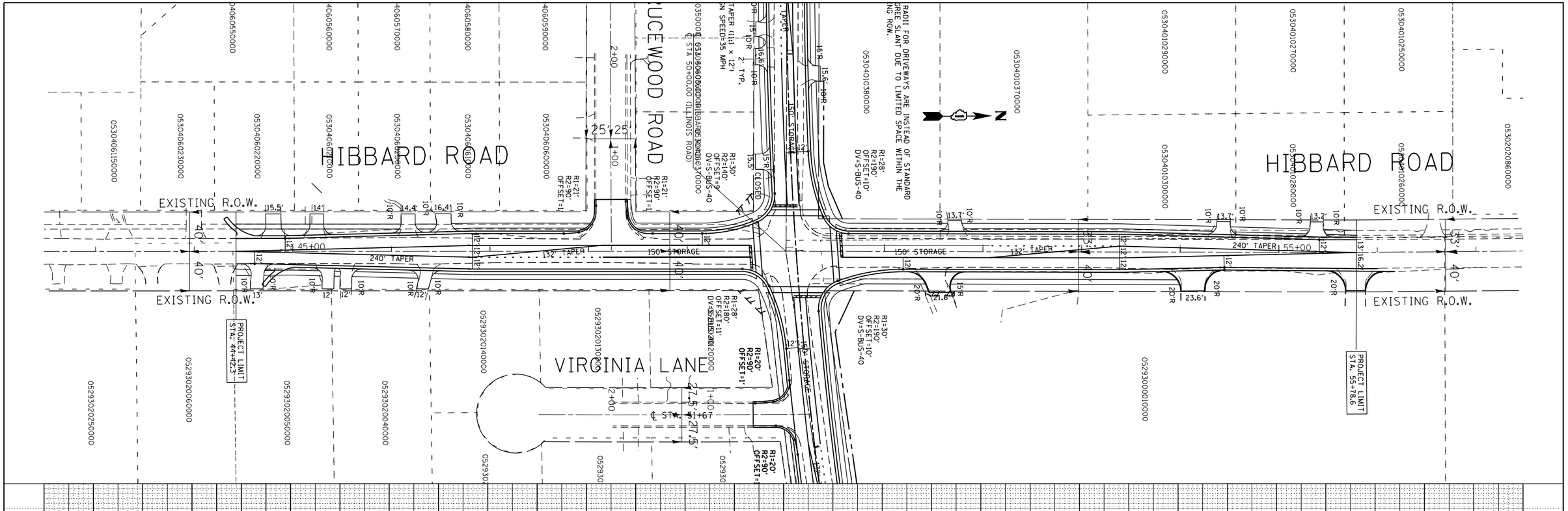
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN & PROFILE (ALTERNATIVE 1) SIGNALIZED INTERSECTION
HIBBARD ROAD AT ILLINOIS ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		


HIBBARD ROAD
SPRUCEWOOD ROAD
VIRGINIA LANE
EXISTING R.O.W.
EXISTING R.O.W.
EXISTING R.O.W.
EXISTING R.O.W.
PROJECT LIMIT STA. 44+42.3
PROJECT LIMIT STA. 55+78.6
240' TAPER
132' TAPER
150' STORAGE
45+00
55+00
40'
33'
25'
N
0406055000
0406056000
0406057000
0406058000
0406059000
0406060000
0406061000
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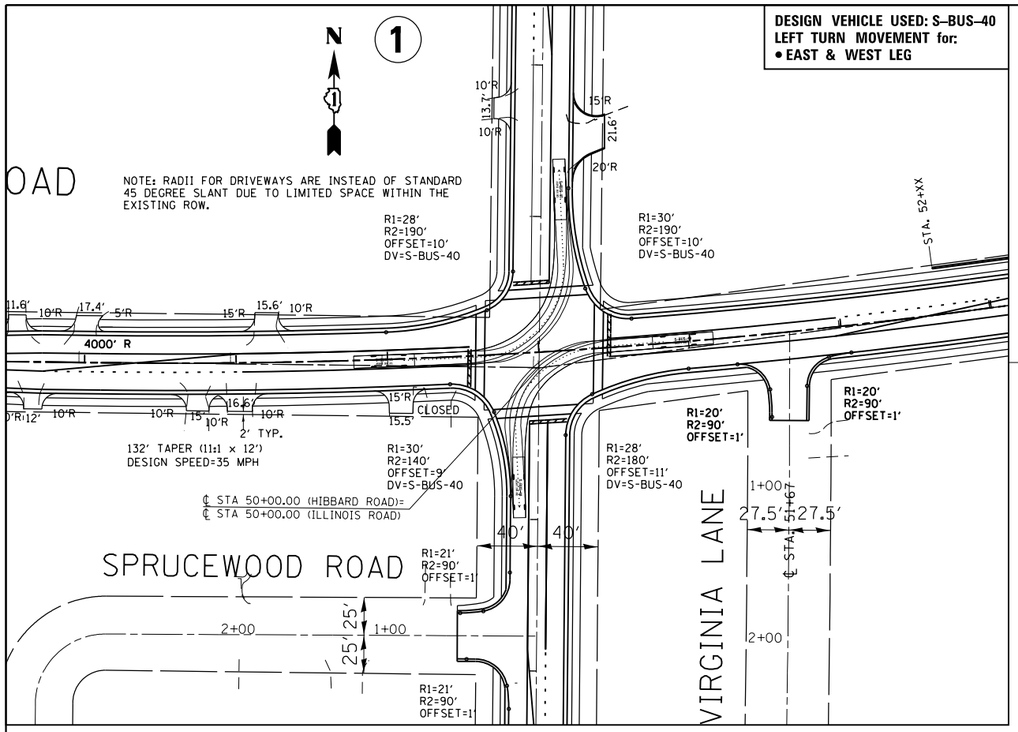

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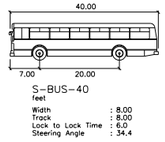
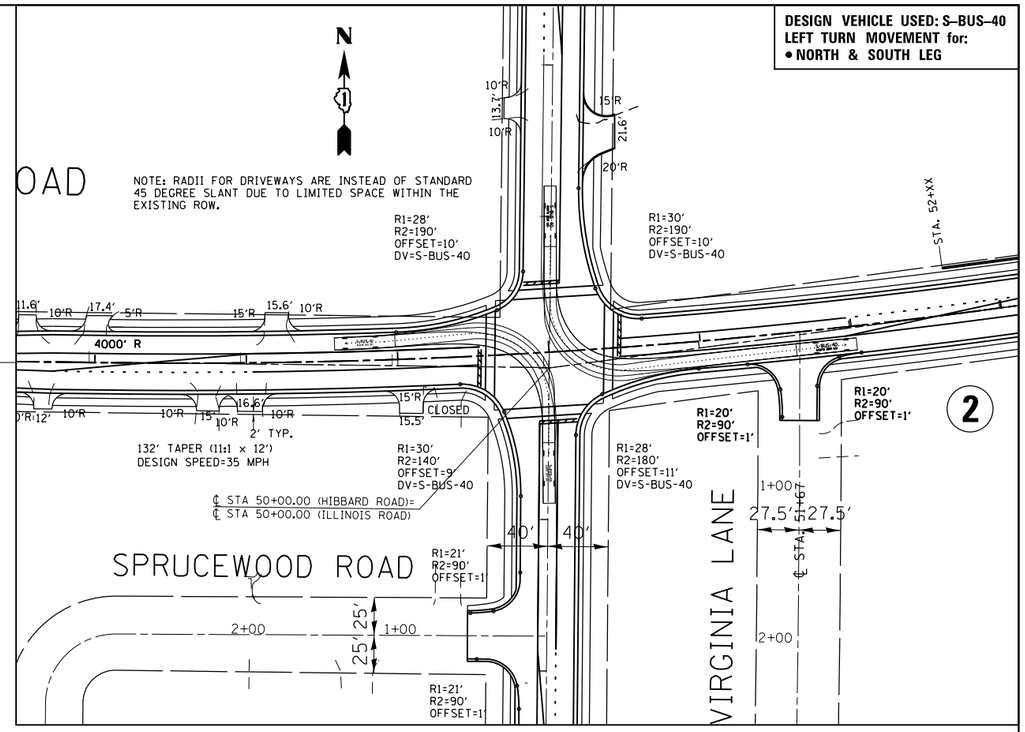
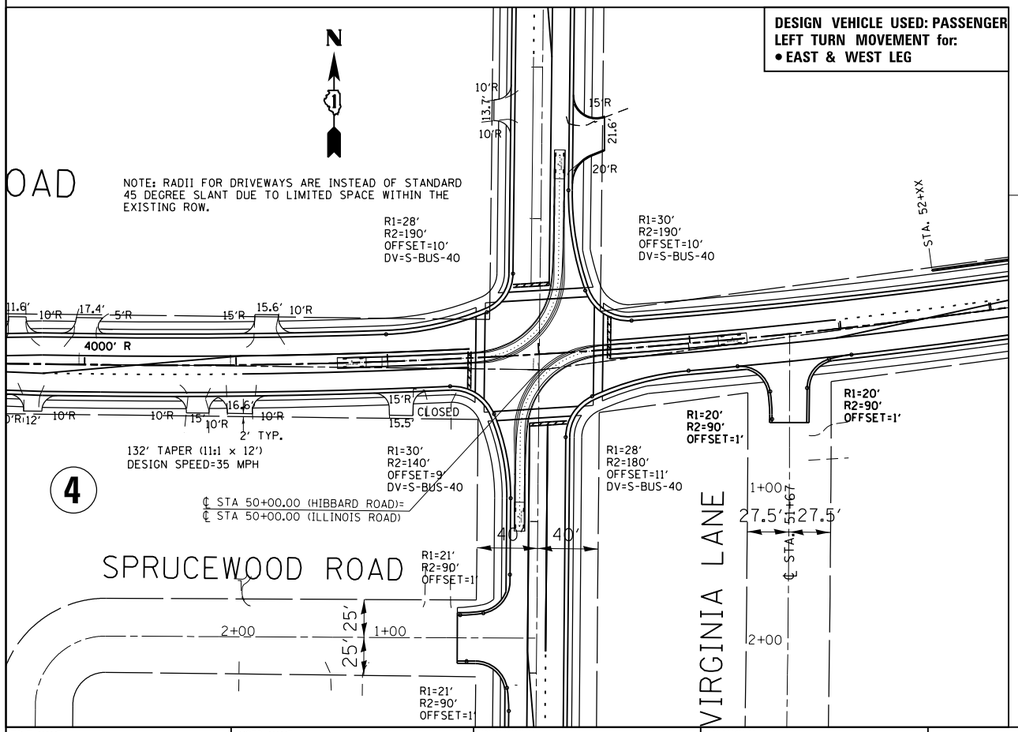
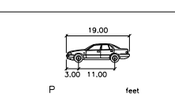


SCHOOL BUS LARGE 40–FOOT







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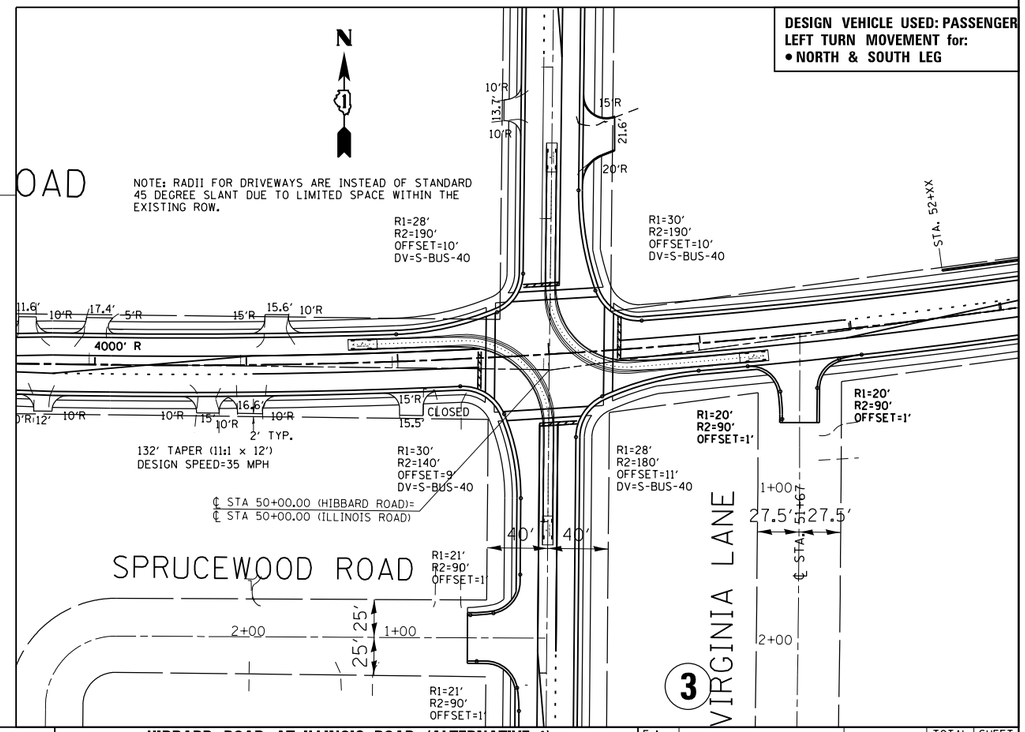

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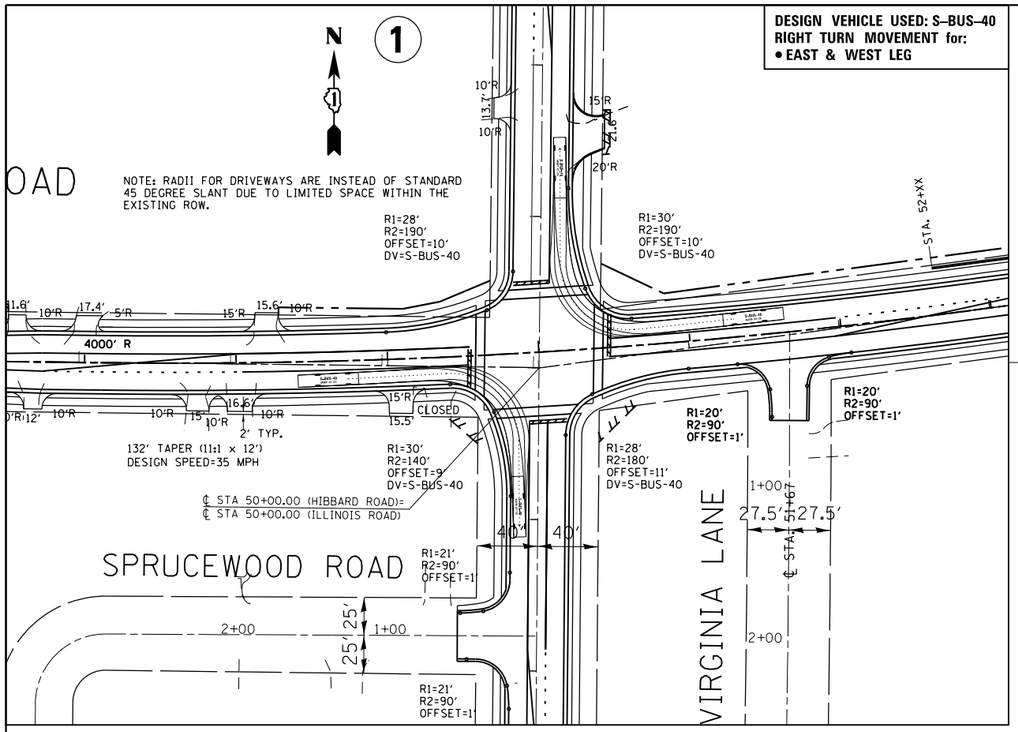
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HIBBARD ROAD AT ILLINOIS ROAD (ALTERNATIVE 1)
PROPOSED GEOMETRY AUTO TURN VEHICLE USED; S–BUS–40
LEFT TURN MOVEMENTS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



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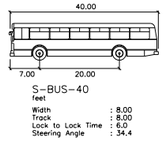
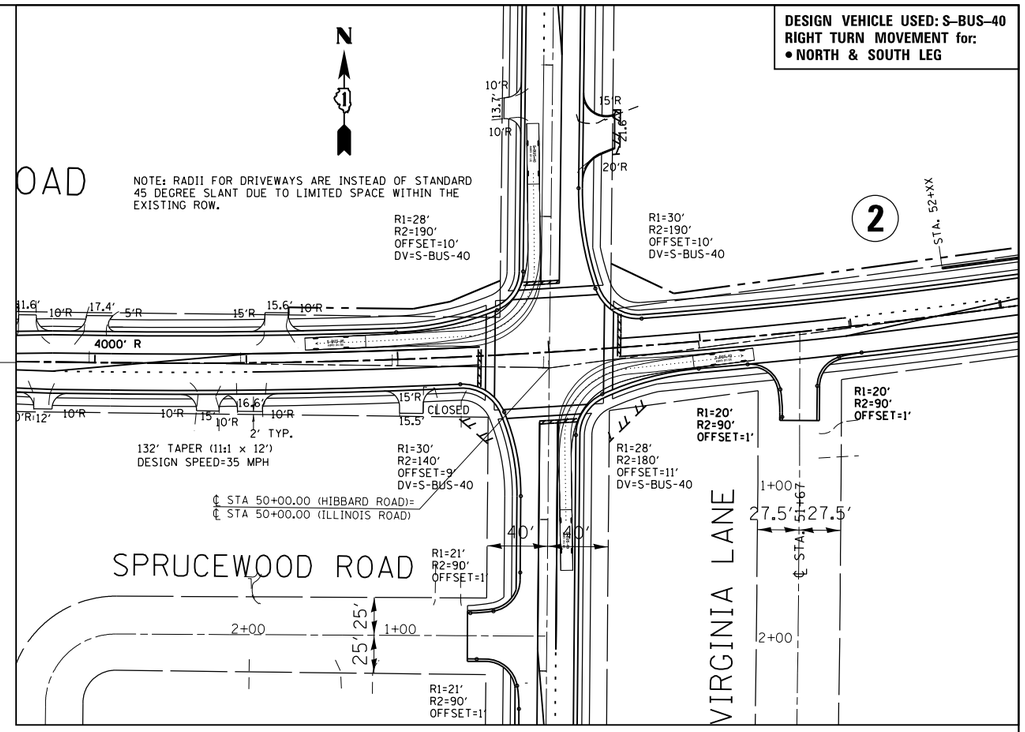
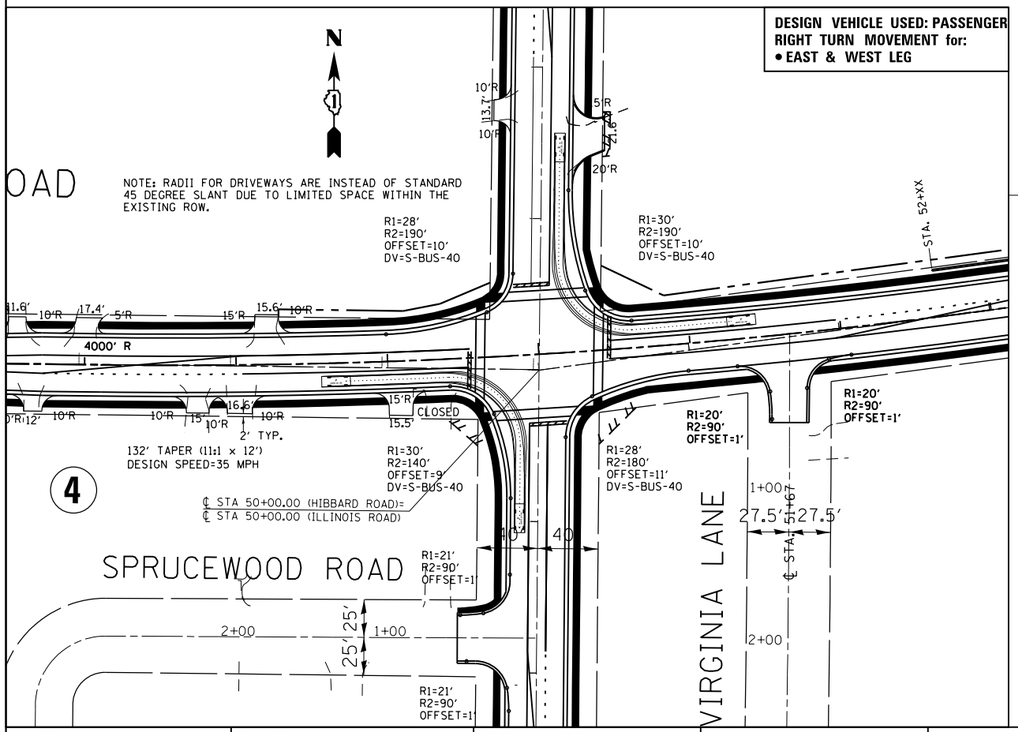
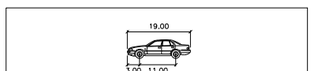


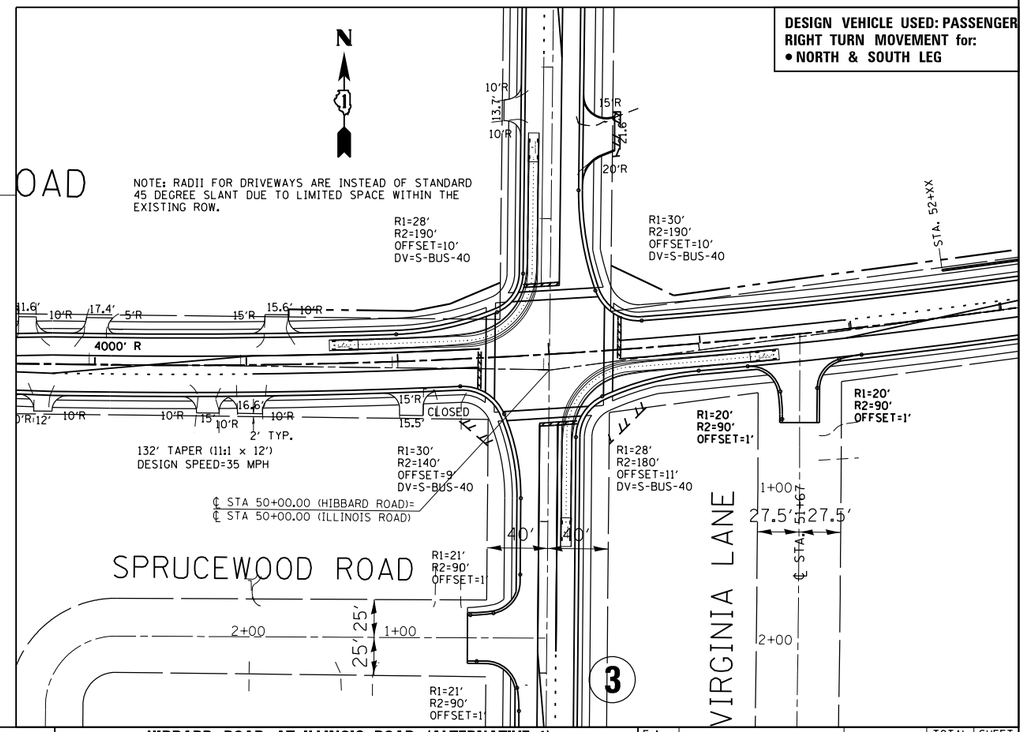
SCHOOL BUS LARGE 40–FOOT







PASSENGER CAR



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HIBBARD ROAD AT ILLINOIS ROAD (ALTERNATIVE 1)
PROPOSED GEOMETRY AUTO TURN VEHICLE USED; S–BUS–40
RIGHT TURN MOVEMENTS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			