I-55 CORRIDOR IMPROVEMENTS

MoDOT

JEFFERSON COUNTY

I-55 PROJECT LIMITS: STA 596+14 (0.56 MI NORTH OF ROUTE Z)
TO STA 997+61 (0.81 MI SOUTH OF US 67)
LENGTH OF I-55 PROJECT = 40,398 FT = 7.65 MI

EQUATIONS:
601+94.61 BK = 601+97.12
628+91.97 BK = 628+99.02
677+00.93 BK = 677+01.13
717+66.69 BK = 717+66.71
841+81.62 BK = 839+15.67
877+13.08 BK = 877+14.82
943+20.46 BK = 943+23.99

US 67 PROJECT LIMITS: STA 1090+55
(0.07 MI SOUTH OF US 61 INTERSECTION)
TO STA 1171+01 (0.32 MI SOUTH OF ROUTE CC INTERSECTION)
LENGTH OF US 67 PROJECT = 8,046 FT = 1.52 MI

EQUATIONS:
1116+55.64 BK = 1116+55.58
1163+79.13 BK = 1163+79.09

JOB NO. J6I3526B
PAVEMENT, GRADING, DRAINAGE, BRIDGES, RETAINING WALLS, LIGHTING, STRIPING, SIGNALS AND SIGNING
(7.65 MI)

VICINITY MAP

PAVEMENT DESIGN:

I-55 (NEW LANES):
BASE: 12" BASE ROCK
SURFACE: 11" PCCP
SHOULDER:
8" PCCP SHOULDER (INSIDE)
A2 (OUTSIDE)

I-55 (MILL AND OVERLAY):
SURFACE: COLDMILL 2"
REPLACE WITH 2" SP125BSM W/ PG 76-22
SHOULDER: COLDMILL 2"
REPLACE WITH 2" BP-1 W/ PG 64-22

ROUTE Z (NEW):
BASE: 6" TYPE 5 AGG BASE
SURFACE:
2" SP125CLP W/ PG 76-22
OVER 2" SP125C W/ PG 76-22
OVER 6.5" SP250C W/ PG 64-22
SHOULDER: A2

RTE Z
MILL AND OVERLAY:
COLDMILL 4" REPLACE WITH
2" SP125CLP W/ PG 76-22
OVER 2" SP125C W/ PG 76-22
SHOULDER:
COLDMILL 4" REPLACE WITH
4" BP-1 W/ PG 64-22

CURVE DATA - ROUTE Z SB ON RAMP

PC	PI	PT	DELTA	DEGREE	R	L	T	SE
2+08.99	2+50.04	2+86.22	48.100°	62° 16′ 48.00″	92	77.235	41.057	2.00%
5+11.79	6+20.89	7+28.93	13.824°	6° 22′ 12.00″	900	217.139	109.099	3.20%
8+61.75	10+43.35	12+23.93	10.454°	2° 53′ 24.00″	1985	362.180	181.594	5.00%

CURVE DATA - I-55 PROPOSED CENTERLINE

PC	PI	PT	DELTA	DEGREE	R	L	T	SE
571+79.20	587+68.48	601+97.12	44.738°	1° 28′ 47.99″	3,861.83	3,015.41	1,589.28	5.00%
609+88.68	619+57.31	628+99.02	26.239°	1° 22′ 47.99″	4,156.00	1,903.29	968.64	4.30%
664+89.41	670+97.38	677+01.13	11.963°	0° 59′ 23.99″	5,802.50	1,211.52	607.97	3.06%
707+08.05	712+38.21	717+66.71	7.896°	0° 45′ 00.00″	7,681.49	1,058.64	530.16	2.50%
790+26.00	794+52.87	798+79.34	4.267°	0° 30′ 00.00″	11,459.13	853.33	426.86	1.80%
832+77.48	837+30.77	839+15.67	10.295°	1° 08′ 23.99″	5,031.97	904.14	453.29	4.00%
854+14.62	865+79.02	877+14.82	22.628°	0° 58′ 47.99″	5,820.00	2,298.46	1,164.41	2.50%
930+13.00	936+78.32	943+23.99	26.148°	2° 00′ 00.00″	2,864.90	1,307.47	665.32	5.50%

CURVE DATA - WEIER ROAD TO ROUTE Z

PC	PI	PT	DELTA	DEGREE	R	L	T	SE
0+69.11	2+05.25	3+38.15	21.620°	8° 02′ 23.99″	713	269.039	136.139	2.00%
3+58.02	3+98.68	4+38.24	22.980°	28° 38′ 59.99″	200	80.215	40.654	2.00%

HORIZ SCALE
0 100 200 300 400 500

VERT SCALE
0 10 20 30 40 50

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEED
I-55	INTERSTATE	70 MPH
US 67	EXPRESSWAY	55 MPH
ROUTE Z	MINOR ARTERIAL	35 MPH
McNUTT (61 SPUR)	PRINCIPAL ARTERIAL	35 MPH
ROUTE A	PRINCIPAL ARTERIAL	40 MPH
ROUTE CC	MAJOR COLLECTOR	30 MPH

AVERAGE DAILY TRAFFIC (AADT)	I-55	US 67
2044	86,340	48,727

NOTE: ALL COORDINATES ARE BASED ON THE MISSOURI STATE PLANE COORDINATE SYSTEM, NAD 83, EAST ZONE, NAVD 83 (GEOID09) AND ADJUSTED TO SURFACE USING A SCALE FACTOR OF 1.0000878.

PRELIMINARY NOT FOR CONSTRUCTION

Bartlett & West
WILSON & COMPANY
ENGINEERS & ARCHITECTS

UPDATED: 11/9/2023

PC	PI	PT	DELTA	DEGREE	R	L	T	SE
0+00.00	1+09.49	2+16.69	20.287°	9° 21′ 35.99″	612	216.694	109.494	7.2%
2+55.77	3+01.20	3+46.35	10.812°	11° 56′ 23.99″	480	90.582	45.426	7.2%
3+46.35	4+38.06	5+28.14	18.666°	10° 16′ 11.99″	558	181.784	91.705	7.2%

MAINTAIN EXISTING PROFILE

I-55 CORRIDOR IMPROVEMENTS

MoDOT

JEFFERSON COUNTY

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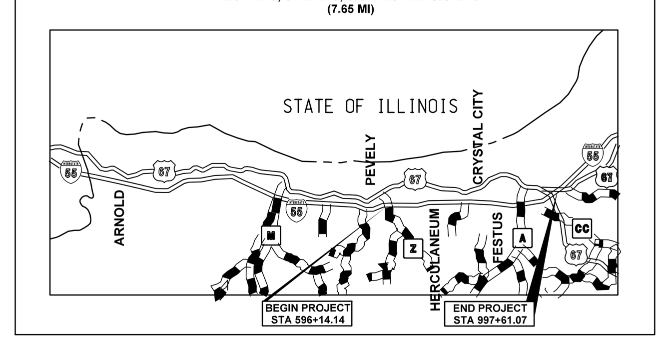
JOB NO. J6I3526B
PAVEMENT, GRADING, DRAINAGE, BRIDGES, RETAINING WALLS, LIGHTING, STRIPING, SIGNALS AND SIGNING
(7.65 MI)



VICINITY MAP

HORIZ SCALE
0 100 200 300 400 500

VERT SCALE
0 10 20 30 40 50

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEED
I-55	INTERSTATE	70 MPH
US 67	EXPRESSWAY	55 MPH
ROUTE Z	MINOR ARTERIAL	35 MPH
McNUTT (61 SPUR)	PRINCIPAL ARTERIAL	35 MPH
ROUTE A	PRINCIPAL ARTERIAL	40 MPH
ROUTE CC	MAJOR COLLECTOR	30 MPH

AVERAGE DAILY TRAFFIC (AADT)	I-55	US 67
2044	86,340	48,727

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SHEET 3 OF 11

PRELIMINARY NOT FOR CONSTRUCTION

Bartlett&West
WILSON &COMPANY ENGINEERS & ARCHITECTS

UPDATED: 11/9/2023

I-55 CORRIDOR IMPROVEMENTS

JEFFERSON COUNTY

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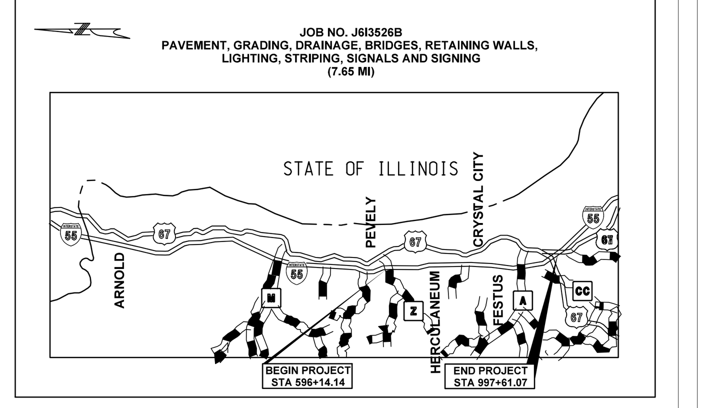

VICINITY MAP

HORIZ SCALE

VERT SCALE

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEED
I-55	INTERSTATE	70 MPH
US 67	EXPRESSWAY	55 MPH
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ROUTE CC	MAJOR COLLECTOR	30 MPH

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PRELIMINARY NOT FOR CONSTRUCTION

Bartlett & West
WILSON & COMPANY ENGINEERS & ARCHITECTS

UPDATED: 11/9/2023

I-55 CORRIDOR

INTERSTATE MISSOURI 55

IMPROVEMENTS

MoDOT

JEFFERSON COUNTY

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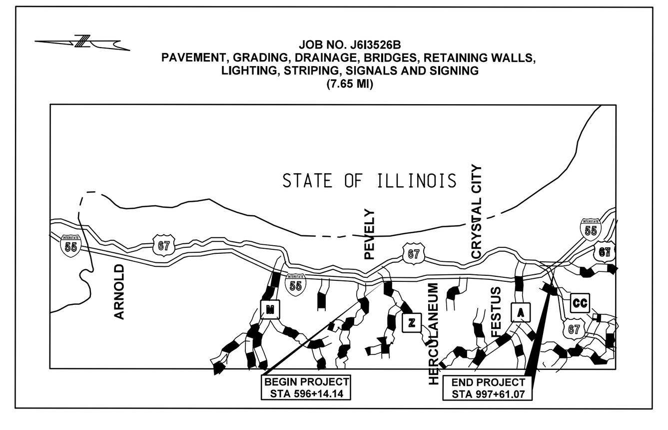

VICINITY MAP

HORIZ SCALE
0 100 200 300 400 500

VERT SCALE
0 10 20 30 40 50

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEED
I-55	INTERSTATE	70 MPH
US 67	EXPRESSWAY	55 MPH
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SHEET 5 OF 11

PRELIMINARY NOT FOR CONSTRUCTION

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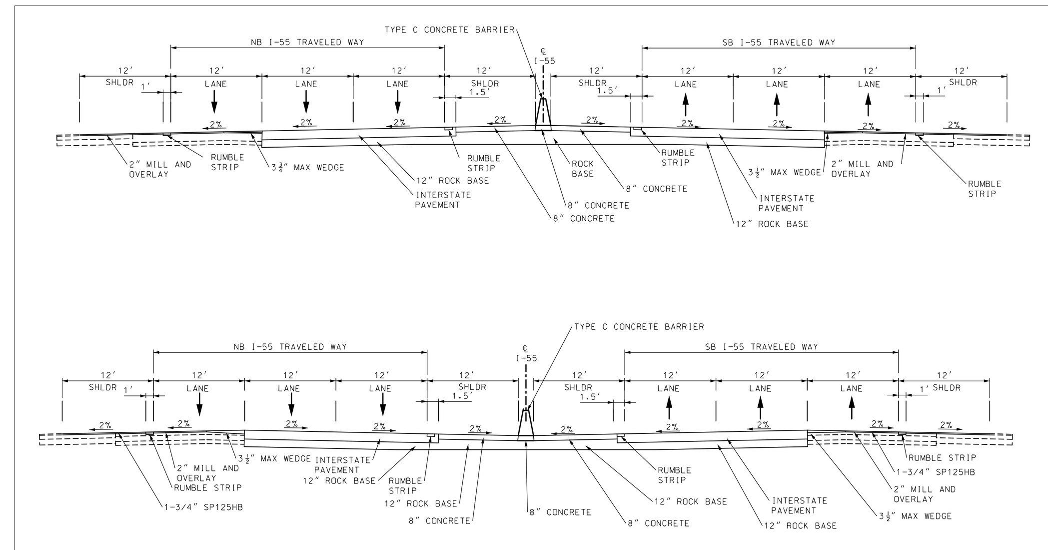
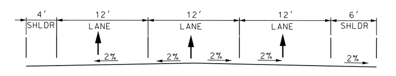
UPDATED: 11/9/2023



TYPICAL SECTION
BARRIER WITH NO MEDIAN DRAINAGE
I-55
70 MPH

TYPICAL SECTION
BARRIER WITH MEDIAN DRAINAGE
I-55
70 MPH

THREE LANE RAMP

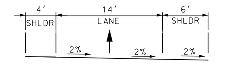


PROPOSED TYPICAL SECTION
I-55 NB OFF RAMP
40 MPH
I-55 SB OFF RAMP
40 MPH

AUX LANE

PROPOSED TYPICAL SECTION
I-55 NB AUX LANE
I-55 SB AUX LANE

SINGLE LANE RAMP



PROPOSED TYPICAL SECTION
I-55 NB ON RAMP
50 MPH
I-55 SB OFF RAMP
50 MPH
I-55 SB ON RAMP
40 MPH

DUAL LANE RAMP

PROPOSED TYPICAL SECTION
I-55 NB ON RAMP
50 MPH
I-55 NB OFF RAMP
35 MPH
I-55 SB ON RAMP
50 MPH
I-55 SB OFF RAMP
50 MPH

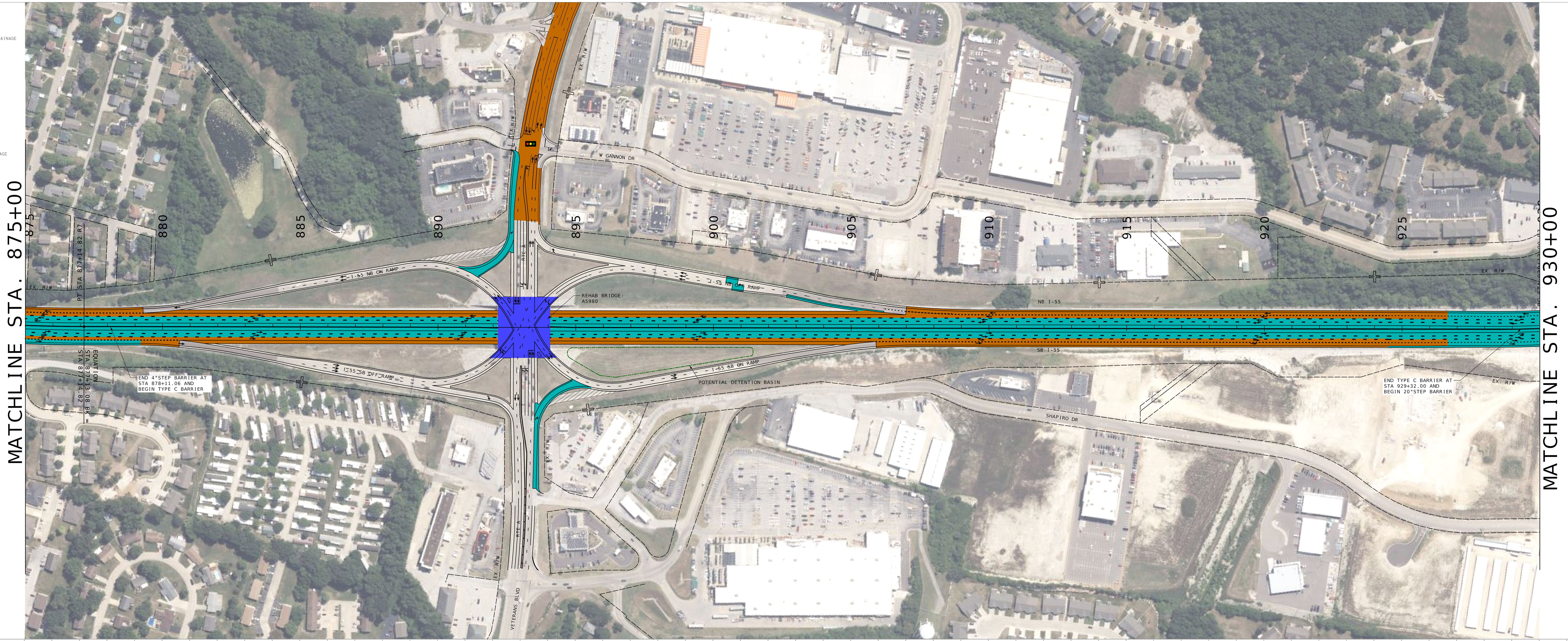
PAVEMENT DESIGN:

I-55 (NEW LANES):
BASE: 12" BASE ROCK
SURFACE: 11" PCCP
SHOULDER:
8" PCCP SHOULDER (INSIDE)
A2 (OUTSIDE)

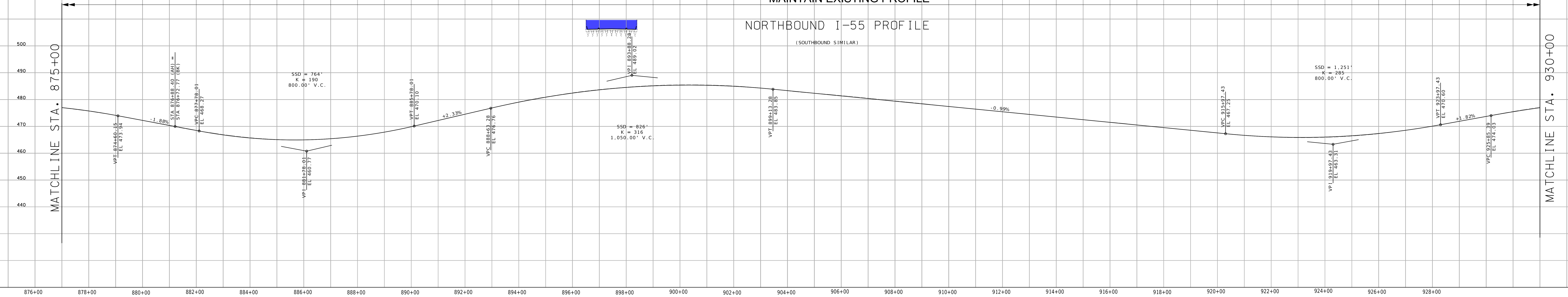
I-55 (MILL AND OVERLAY):
SURFACE: COLDMILL 2"
REPLACE WITH 2" SP125BSM W/ PG 76-22
SHOULDER: COLDMILL 2"
REPLACE WITH 2" BP-1 W/ PG 64-22

RTE A
BASE: 6" TYPE 5 AGG BASE
SURFACE: 9" PCCP
SHOULDER: A2 SHOULDER

RTE A
MILL AND OVERLAY:
SURFACE:
3/4" TYPE B UBAWS OVERLAY
SHOULDER:
3/4" TYPE B OVERLAY



MAINTAIN EXISTING PROFILE



ROADWAY LEGEND

PAVEMENT REHABILITION
NEW PAVEMENT
PAVEMENT DEMOLITION
TRUCK APRONS/ISLANDS
PROPOSED SIDEWALK/MULTI-USE PATH
EXISTING R/W
PROPOSED RETAINING WALL
PROPOSED GUARDRAIL
EXISTING GUARDRAIL
PROPOSED TRAVEL LANE
NEW BRIDGE
SUPERSTRUCTURE REPLACEMENT
BRIDGE REHAB
SIGNAL HEAD

I-55 CORRIDOR IMPROVEMENTS

MoDOT

JEFFERSON COUNTY

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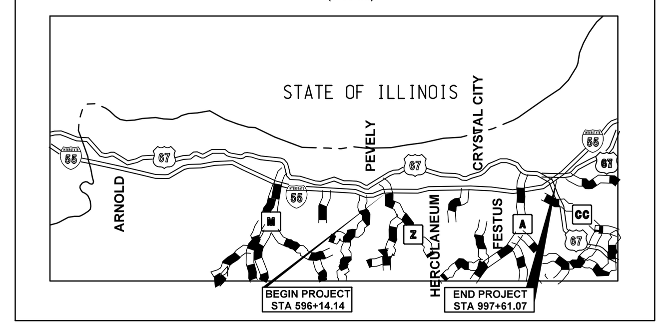

VICINITY MAP

HORIZ SCALE
0 100 200 300 400 500

VERT SCALE
0 10 20 30 40 50

ROADWAY	FUNCTIONAL CLASSIFICATION	DESIGN SPEED
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SHEET 6 OF 11

PRELIMINARY NOT FOR CONSTRUCTION

Bartlett&West
WILSON & COMPANY ENGINEERS & ARCHITECTS

UPDATED: 11/9/2023

I-55 CORRIDOR

INTERSTATE MISSOURI 55

IMPROVEMENTS

MoDOT

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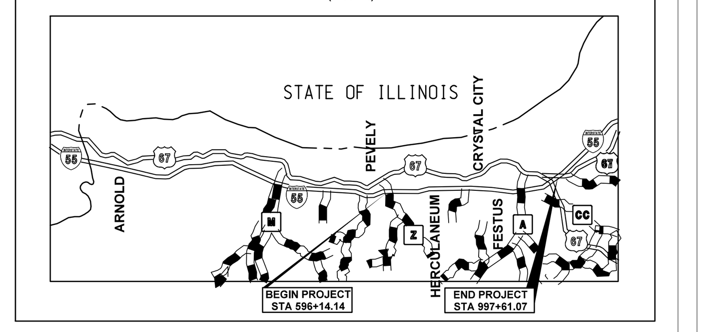

VICINITY MAP

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SHEET 7 OF 11

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(7.65 MI)

STATE OF ILLINOIS

VICINITY MAP

HORIZ SCALE

0 100 200 300 400 500

VERT SCALE

0 10 20 30 40 50

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