

DECATUR, ILLINOIS  
 ENGINEERS - CONSULTANTS  
 BLANK, WESSELINK, COOK & ASSOCIATES

**EARTHWORK**

LOCATION	EARTH EXCAVATION (CUT) (CU YD)	EARTH EXCAV. ADJUSTED FOR SHRINKAGE * (CU YD)	EMBANKMENT (FILL) (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	CHANNEL EXCAVATION (CUT) (CU YD)	EARTH EXCAVATION (ROCKFILL) (CUT) (CU YD)
W. FRONTAGE RD.	196	157	127	30	-	-
NBNXOVER	130	104	763	-659	-	745
NBSXOVER	119	95	861	-766	-	740
SBNXOVER	162	130	200	-70	-	930
SBSXOVER	134	107	204	-97	-	950
I-55 NORTH STAGE III	1816	-	1953	-1953	-	-
I-55 SOUTH STAGE III	1916	-	1605	-1605	-	-
I-55 NORTH STAGE IV	901	-	865	-865	-	-
I-55 SOUTH STAGE IV	1021	-	782	-782	-	-
MACOUPIN CREEK	-	-	-	-	600	-
<b>TOTAL</b>	<b>6395</b>			<b>-6767</b>	<b>600</b>	<b>3365</b>

\* An earth-shrinkage factor of 1.20 is applied

**TRENCH BACKFILL**

LOCATION	STATION TO	STATION	OFFSET	CU YD
W. FRONTAGE RD.	1057+45.00	1057+45.00	LT&RT	6
I-55	1058+70.00	1060+30.00	-	19
I-55	1073+70.00	1075+30.00	-	33
I-55	1072+81.00	1073+19.00	RT	8
<b>TOTAL</b>				<b>66</b>

**SEEDING, FERTILIZERS AND MULCH**

STATION TO	STATION	OFFSET	SEEDING CLASS 2A (ACRE)	NITROGEN FERTILIZER NUTRIENT (POUND)	PHOSPHORUS FERTILIZER NUTRIENT (POUND)	POTASSIUM FERTILIZER NUTRIENT (POUND)	MULCH, METHOD 2 (ACRE)	TEMPORARY EROSION CONTROL SEEDING (POUND)
1054+20.00	1079+50.00	LT	1.00	90.0	90.0	90.0	1.00	100
1054+20.00	1079+50.00	LT&RT	4.25	382.5	382.5	382.5	4.25	425
1054+20.00	1079+50.00	RT	2.75	248.0	248.0	248.0	2.75	275
1056+40.00	1075+00.00	RT	1.25	112.5	112.5	112.5	1.25	125
<b>TOTAL</b>			<b>9.25</b>	<b>833.0</b>	<b>833.0</b>	<b>833.0</b>	<b>9.25</b>	<b>925</b>

**TEMPORARY DITCH CHECKS**

STATION	OFFSET	EACH
1062+00.00	RT	1
1062+50.00	-	1
1076+50.00	RT	1
<b>TOTAL</b>		<b>3</b>

**PERIMETER EROSION BARRIER**

LOCATION	STATION TO	STATION	OFFSET	FOOT
I-55	1054+20.00	1064+60.00	LT	1040
I-55	1065+60.00	1079+50.00	LT	1390
W. FRONTAGE RD.	1067+40.00	-	LT	10
W. FRONTAGE RD.	1068+20.00	-	RT	10
<b>TOTAL</b>				<b>2450</b>

**INLET AND PIPE PROTECTION**

STATION	OFFSET	EACH
1057+42.62	-	1
1057+45.00	RT	1
1065+15.00	-	1
1066+14.00	RT	1
1071+51.79	RT	1
1072+26.27	-	1
1076+45.67	-	1
1077+51.44	RT	1
1072+85.00	-	1
1073+56.00	-	1
1073+00.00	RT	1
<b>TOTAL</b>		<b>11</b>

**SUB-BASE GRANULAR MATERIAL, TYPE A**

LOCATION	STATION TO	STATION	TON
NBNXOVER	10+00.00	19+00.00	707
NBSXOVER	30+00.00	39+00.00	707
SBNXOVER	20+50.00	28+06.68	578
SBSXOVER	40+00.00	48+00.00	600
<b>TOTAL</b>			<b>2592</b>

**BITUMINOUS MATERIALS (PRIME COAT)**

LOCATION	STATION TO	STATION	OFFSET	TON
W. FRONTAGE RD.	1050+90.00	1074+55.00	LT&RT	2.33
W. FRONTAGE RD.	1042+52.58	1075+00.00	LT&RT	3.34
W. FRONTAGE RD.		1051+46.14	RT	0.07
		1056+14.63	RT	0.06
		1059+85.92	RT	0.06
		1074+07.79	RT	0.05
I-55 STAGE I	1054+50.00	1079+50.00	LT	0.92
I-55 STAGE I	1054+20.00	1078+85.00	RT	1.99
I-55	1054+20.00	1079+50.00	LT	6.50
I-55	1054+20.00	1079+50.00	RT	6.51
<b>TOTAL</b>				<b>21.8</b>

**LEVELING BINDER (MACHINE METHOD), N50**

LOCATION	STATION TO	STATION	OFFSET	TON
W. FRONTAGE RD.	1050+90.00	1051+00.00	LT&RT	1.3
	1051+00.00	1059+50.00	LT&RT	126.9
<b>TOTAL</b>				<b>128.2</b>

**POLYMERIZED LEVELING BINDER (MACHINE METHOD), N105**

LOCATION	STATION TO	STATION	OFFSET	TON
W. FRONTAGE RD.	1059+50.00	1067+12.80	LT&RT	459.3
	1067+77.80	1074+55.00	LT&RT	339.8
<b>TOTAL</b>				<b>799.1</b>

**PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT**

LOCATION	STATION TO	STATION	OFFSET	SQ YD
W. FRONTAGE RD.	1074+55.00	1075+00.00	LT&RT	120

**TEMPORARY RAMPS**

LOCATION	STATION TO	STATION	OFFSET	SQ YD
I-55	1054+20.00	1054+25.00	LT	13
I-55	1054+20.00	1054+25.00	RT	13
I-55	1079+45.00	1079+50.00	LT	13
I-55	1079+45.00	1079+50.00	RT	13
W. FRONTAGE RD.	1042+52.58	1042+57.58	LT&RT	36
	1050+95.00	1051+00.00	LT&RT	13
<b>TOTAL</b>				<b>101</b>

**HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50**

LOCATION	STATION TO	STATION	OFFSET	TON
W. FRONTAGE RD.	1042+52.58	1043+50.00	LT&RT	32.5
	1043+50.00	1059+50.00	LT&RT	358.4
<b>TOTAL</b>				<b>390.9</b>

**POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N105**

LOCATION	STATION TO	STATION	OFFSET	TON
I-55 NB	1054+20.00	1067+87.19	LT	438.3
I-55 NB	1066+09.61	1079+50.00	LT	550.5
I-55 SB	1054+20.00	1065+96.75	RT	483.3
I-55 SB	1067+19.17	1079+50.00	RT	505.5
<b>TOTAL</b>				<b>1977.6</b>

**HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N30**

LOCATION	STATION TO	STATION	OFFSET	TON
I-55 NB	1054+20.00	1079+50.00	LT	299.7
I-55 NB	1054+20.00	1075+00.00	RT	112.2
I-55 SB	1054+20.00	1079+50.00	LT	111.9
I-55 SB	1059+60.00	1079+50.00	RT	177.9
<b>TOTAL</b>				<b>701.7</b>

**HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50**

LOCATION	STATION TO	STATION	OFFSET	TON
W. FRONTAGE RD.	1042+52.58	1043+50.00	LT&RT	32.5
	1043+50.00	1059+50.00	LT&RT	358.4
<b>TOTAL</b>				<b>390.9</b>

**POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX E, N105**

LOCATION	STATION TO	STATION	OFFSET	TON
W. FRONTAGE RD.	1059+50.00	1075+00.00	LT&RT	357.0
I-55 STAGE I	1054+50.00	1079+50.00	LT	202.7
I-55 STAGE I	1054+20.00	1078+85.00	RT	440.1
I-55	1054+20.00	1079+50.00	LT	539.3
I-55	1054+20.00	1079+50.00	RT	539.3
<b>TOTAL</b>				<b>2078.4</b>

**HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 11"**

LOCATION	STATION TO	STATION	OFFSET	SQ YD
I-55	1054+50.00	1079+50.00	LT	603
I-55	1054+20.00	1078+85.00	RT	1695
NBNXOVER	10+76.04	18+30.26	LT&RT	1490
NBSXOVER	30+84.18	38+38.59	LT&RT	1497
SBNXOVER	21+63.00	28+06.68	LT&RT	1182
SBSXOVER	40+00.00	46+47.39	LT&RT	1197
<b>TOTAL</b>				<b>7664</b>

**INCIDENTAL HOT-MIX ASPHALT SURFACING**

LOCATION	STATION	OFFSET	TON
W. FRONTAGE RD.	1051+46.14	RT	61.3
	1056+14.63	RT	51.9
	1059+85.92	RT	55.7
	1074+07.79	RT	47.9
<b>TOTAL</b>			<b>216.8</b>

**PROTECTIVE COAT**

LOCATION	STATION TO	STATION	OFFSET	SQ YD
I-55	1064+87.19	1065+17.19	LT	158
I-55	1065+79.61	1066+09.61	LT	158
I-55	1065+96.75	1066+26.75	RT	158
I-55	1066+89.17	1067+19.17	RT	158
<b>TOTAL</b>				<b>632</b>

**BRIDGE APPROACH PAVEMENT (SPECIAL)**

LOCATION	STATION TO	STATION	OFFSET	SQ YD
I-55	1064+87.19	1065+17.19	LT	133
I-55	1065+79.61	1066+09.61	LT	133
I-55	1065+96.75	1066+26.75	RT	133
I-55	1066+89.17	1067+19.17	RT	133
<b>TOTAL</b>				<b>532</b>

**BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)**

LOCATION	STATION TO	STATION	OFFSET	SQ YD
I-55	1064+81.19	1064+87.19	LT	27
I-55	1066+09.61	1066+15.61	LT	27
I-55	1065+90.75	1065+96.75	RT	27
I-55	1067+19.17	1067+25.17	RT	27
<b>TOTAL</b>				<b>108</b>

**PAVEMENT REMOVAL**

LOCATION	STATION TO	STATION	OFFSET	SQ YD
NBNXOVER	10+76.04	18+30.26	LT&RT	1490
NBSXOVER	30+84.18	38+38.59	LT&RT	1497
SBNXOVER	21+63.00	28+06.68	LT&RT	1043
SBSXOVER	40+00.00	46+47.39	LT&RT	1051
<b>TOTAL</b>				<b>5081</b>

**HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"**

LOCATION	STATION TO	STATION	OFFSET	SQ YD
W. FRONTAGE RD.	1042+52.58	1043+50.00	LT&RT	387
	1043+50.00	1051+00.00	LT&RT	2000
I-55 STAGE I	1054+50.00	1059+05.00	LT	1213
	1075+00.00	1079+50.00	LT	1200
	1054+20.00	1064+50.00	RT	2747
	1069+50.00	1078+85.00	RT	2493
<b>TOTAL</b>				<b>10,040</b>

**HOT-MIX ASPHALT SURFACE REMOVAL, 2"**

LOCATION	STATION TO	STATION	OFFSET	SQ YD
I-55 NB	1054+20.00	1079+50.00	LT	3676.8
I-55 SB	1054+20.00	1079+50.00	RT	2584.2
<b>TOTAL</b>				<b>6261</b>

**HOT-MIX ASPHALT SURFACE REMOVAL, 4 1/4"**

LOCATION
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