

CONTRACT	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95930	21-00129-00-RS	WAYNE	13	1
		ILLINOIS		

**INDEX OF SHEETS: 04-28-2023 LETTING ITEM 098**

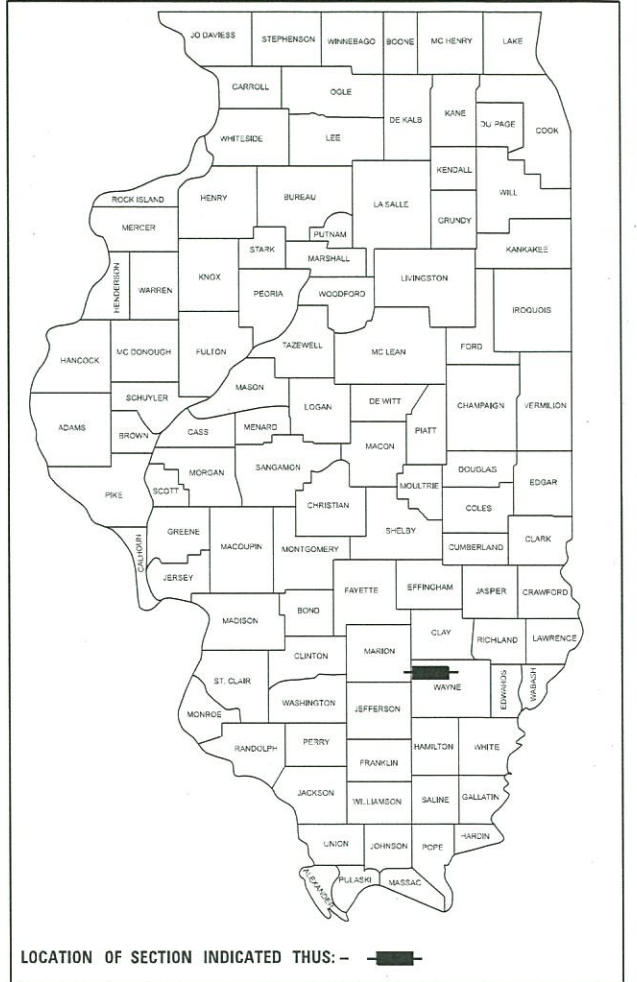
- | SHEET NO. | DESCRIPTION                                                |
|-----------|------------------------------------------------------------|
| 1.        | COVER SHEET                                                |
| 2.        | TYPICAL SECTIONS, SUMMARY OF QUANTITIES, AND GENERAL NOTES |
| 3.-9.     | MISCELLANEOUS DETAILS AND SCHEDULES                        |
| 10.-13.   | DETAILS OF INTERSECTIONS AND SIDE ROADS                    |

HIGHWAY STANDARDS: SEE SHEET 2

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

# PLANS FOR PROPOSED SURFACE TRANSPORTATION RURAL PROJECT

ILLINOIS ROUTE 161 (C.H. 16)  
SECTION 21-00129-00-RS  
RESURFACING  
WAYNE COUNTY  
C-97-073-23  
TMPW(352)



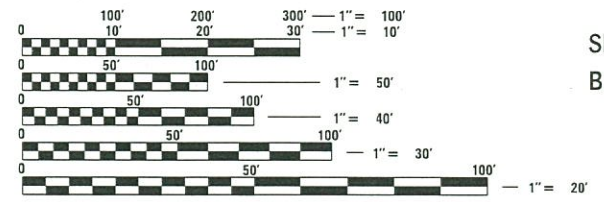
**UTILITIES:**

**TRUNKLINE GAS**  
1582 CR 775 E; JOHNSONVILLE, IL. 62850  
PHONE: (618)-835-2251

**WABASH COMMUNICATIONS**  
14415 US HWY 45; LOUISVILLE, IL. 62858  
PHONE: (618)-665-3311

**WAYNE-WHITE RURAL CO-OP**  
1501 W. MAIN ST; FAIRFIELD, IL. 62837  
PHONE: (618)-842-2196

**WESTERN WAYNE WATER DISTRICT**  
RR2; WAYNE CITY, IL. 62895  
PHONE: (618)-695-2813



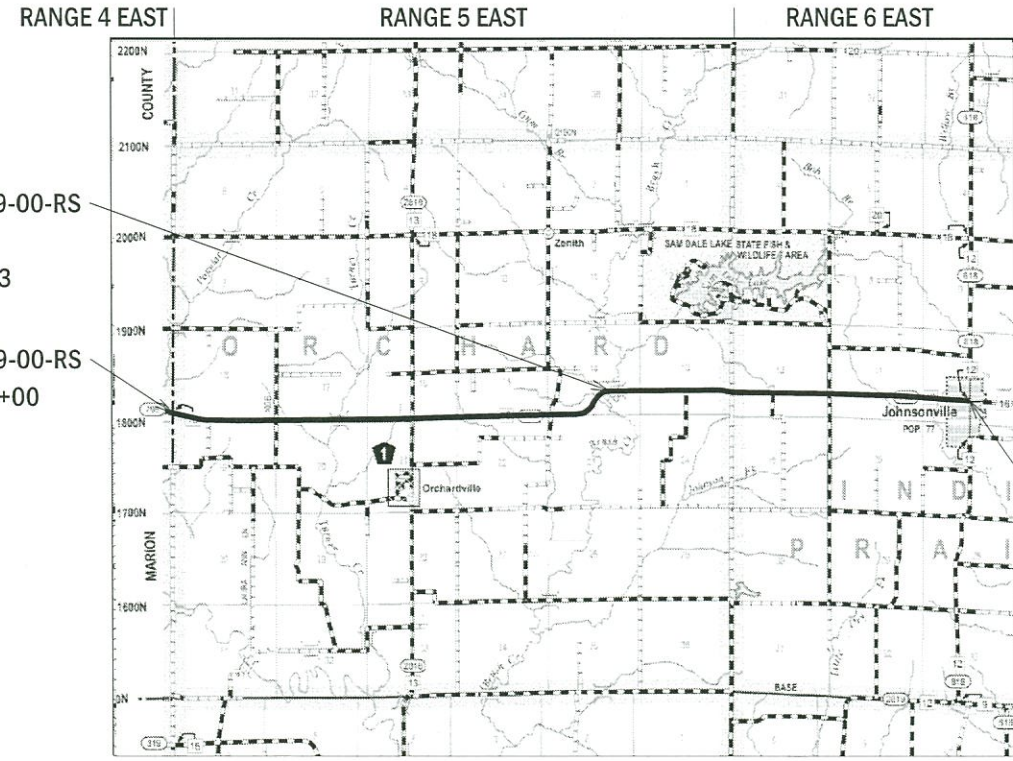
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

PROJECT ENGINEER: BEN BLAND  
PROJECT MANAGER: BEN BLAND

SECTION 21-00129-00-RS  
OMISSION  
264+50 TO 265+83

SECTION 21-00129-00-RS  
BEGINS STATION 0+00



**LOCATION MAP:**

OMISSION FROM STATIONS 264+50 TO 265+83 = 133 FT.  
GROSS LENGTH = 47011 FT. = 8.90 MILE  
NET LENGTH = 46878.00 FT = 8.88 MILE

APPROVED 1/26/23  
*[Signature]*  
COUNTY ENGINEER

PASSED 02/16 2023  
*[Signature]*  
DISTRICT SEVEN ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW 02/16 2023  
*[Signature]*  
REGION FOUR ENGINEER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DATE: 12/20/2022

EXPIRES: 11/30/2023

**HAMPTON, LENZINI AND RENWICK, INC.**  
323 WEST THIRD STREET, P.O. BOX 160  
MT. CARMEL, ILLINOIS 62863  
ILLINOIS PROFESSIONAL DESIGN FIRM  
LS / PE / SE CORP. 184.000959

# HIGHWAY STANDARDS

- 00001-08 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 442201-03 CLASS C AND D PATCHES
- 542301-03 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-04 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701311-03 LANE CLOSURE 2L, 2W MOVING OPERATIONS- DAY ONLY
- 701901-08 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS
- BLR 21-9 TYPICAL APPLICATION ON TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

# GENERAL NOTES:

DESIGN SPEED 55 MPH  
 CURRENT ADT 1150 VPD  
 DESIGN ADT (20 YEAR) 1400 VPD  
 ROAD CLASSIFICATION MAJOR COLLECTOR

THE FOLLOWING RATES HAVE BEEN USED TO CALCULATE PLAN QUANTITIES:

AGGREGATE SHOULDERS TYPE B 1.8 T / CU YD  
 HOT-MIX ASPHALT 112 LBS / SQ YD \* IN  
 BITUMINOUS MATERIALS (TACK COAT) 0.05 LBS / SQ FT  
 RIPRAP 1.5 TONS / CU YD  
 AGGREGATE FOR TEMPORARY ACCESS 0.05833 TONS/SQYD/INCH

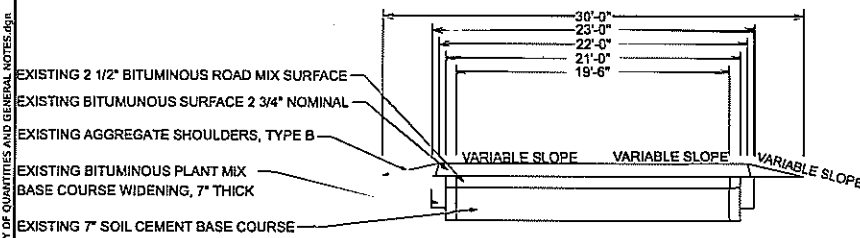
HOT-MIX ASPHALT MIXTURES SHALL BE PG64-22 ASPHALT ACCORDING TO THE TABLE BELOW.

LOCATIONS	MIXTURE USE	PG	DESIGN AIR Voids	MIXTURE COMPOSITION	FRICTION AGGREGATE	MIXTURE WEIGHT	QUALITY MANAGEMENT PROGRAM
MAINLINE	HMA SURFACE COURSE, IL-9.5, MIX "C", N70 (1 1/2")	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	N70	QC/QA
MAINLINE	HMA BINDER COURSE, IL-9.5FG, N70 (1 1/2")	PG 64-22	4.0% @ N=70	IL - 9.5FG	N/A	N70	QC/QA
MAINLINE	CLASS D PATCHES	PG 64-22	4.0% @ N=70	IL - 19.0	N/A	N70	QC/QA

# SUMMARY OF QUANTITIES

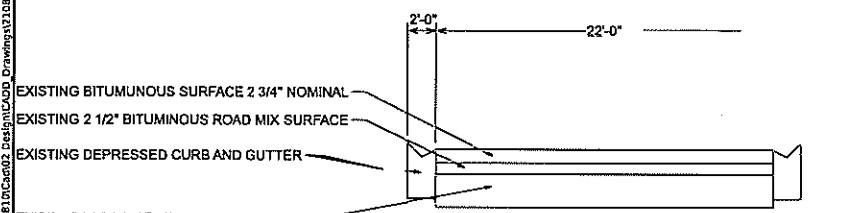
CODE NO.	ITEM	UNIT	TOTAL QUANTITY
28000500	INLET AND PIPE PROTECTION	EACH	4.0
28100205	STONE RIPRAP, A3	TON	460.0
28100207	STONE RIPRAP, CLASS A4	TON	65.0
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	783.0
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	8.0
40600290	BITUMUNOUS MATERIALS (TACK COAT)	POUND	78299.0
40600982	HOT MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1501.0
40600990	TEMPORARY RAMP	SQ YD	122.0
40602970	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70	TON	9652.0
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 MIX "C", N70	TON	9932.0
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	175.0
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	3590.0
44201721	CLASS D PATCHES TYPE III, 6 INCH	SQ YD	17.0
48101200	AGGREGATE SHOULDERS, TYPE B	TON	4076.0
50105220	PIPE CULVERT REMOVAL	FOOT	74.0
542A0235	PIPE CULVERTS, CLASS A, TYPE 1 30"	FOOT	64.0
542A1081	PIPE CULVERTS, CLASS A, TYPE 2 36"	FOOT	12.0
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	2.0
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	1.0
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	26.0
67100100	MOBILIZATION	L SUM	1.0
70300100	SHORT TERM PAVEMENT MARKINGS	FOOT	9376.0
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1563.0
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	137202.0
78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	68.0
78300200	RAISED REFLECTIVE PAVEMENT MARKING REMOVAL	EACH	712.0
X5012650	CONCRETE HEADWALL REMOVAL SPECIAL	EACH	1.0
Z0070200	SURVEY MONUMENTS	EACH	1.0

TYPICAL CROSS SECTION EXISTING



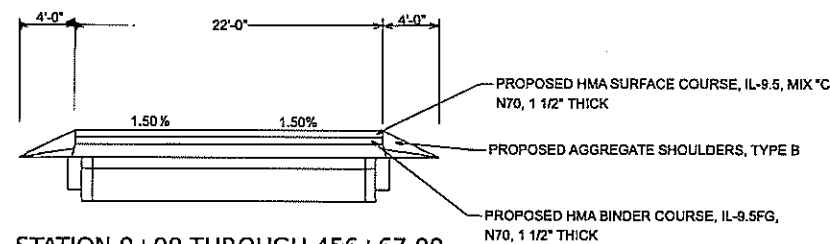
STATION 0+00 THROUGH 456+67.00

TYPICAL CROSS SECTION EXISTING



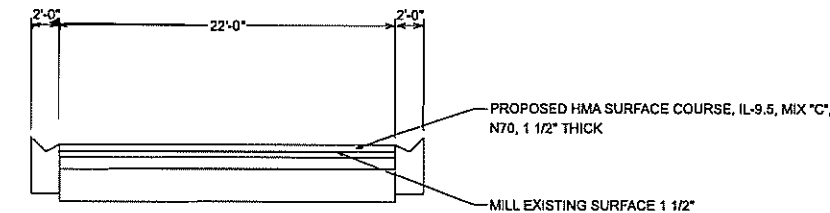
STATION 456+67.00 THROUGH 470+11.00

TYPICAL CROSS SECTION PROPOSED



STATION 0+00 THROUGH 456+67.00

TYPICAL CROSS SECTION PROPOSED



STATION 456+67.00 THROUGH 470+11.00

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HAMPTON, LENZINI AND RENWICK, INC. 303 SHEPARD DRIVE ELGIN, ILLINOIS 60120 ILLINOIS PROFESSIONAL DESIGN FIRM 15 / PE / SE CORP. 194.002954	USER NAME = lhahn	DESIGNED - LTH	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - LTH	REVISIONS -	
PLOT DATE = 1/25/2023	CHECKED -	REVISIONS -	
	DATE -	REVISIONS -	

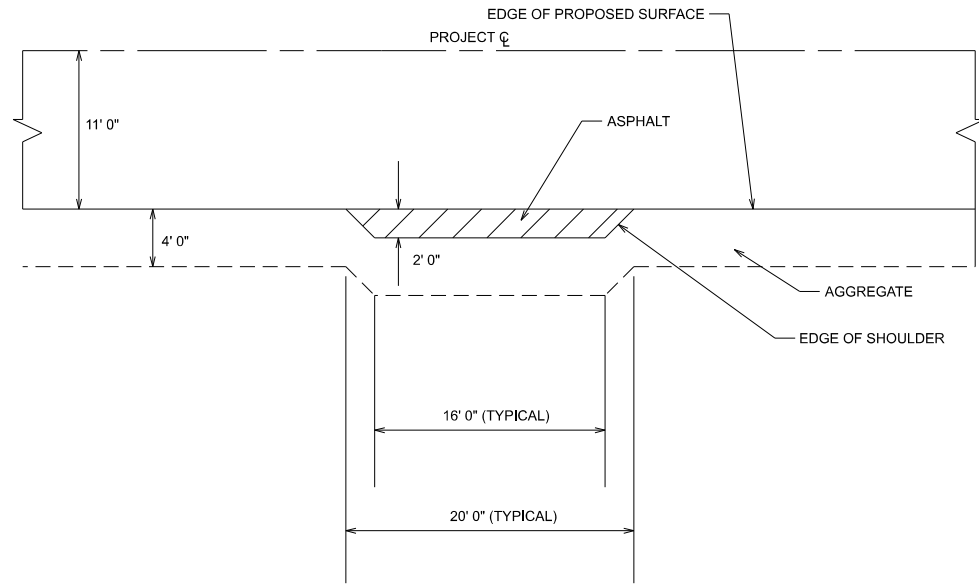
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS, SUMMARY OF QUANTITIES,  
AND GENERAL NOTES

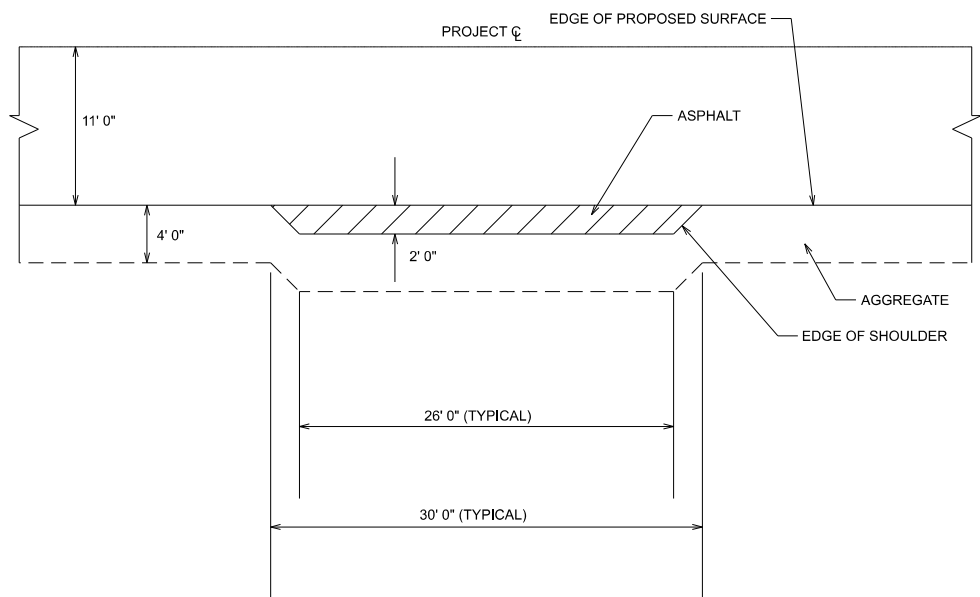
SCALE:	SHEET 1 OF 1 SHEETS	STA. TO STA.	SECTION 21-00129-00-R5	COUNTY WAYNE	TOTAL SHEETS 13	SHEET NO. 2
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CONTRACT NO. 95930 | ILLINOIS | FED. AID PROJECT

**DETAIL OF PRIVATE ENTRANCE**

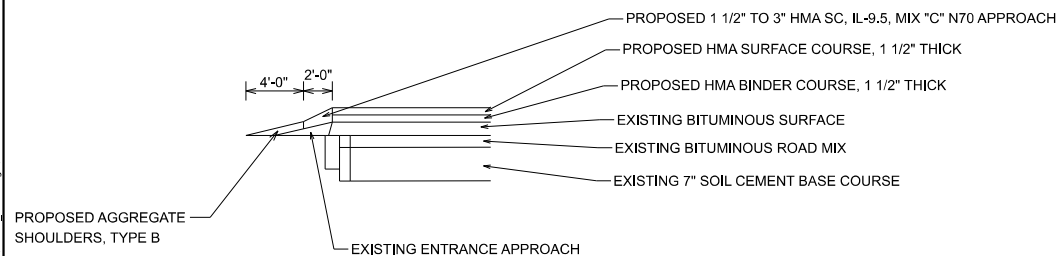


**DETAIL OF FIELD ENTRANCE**



NOTE: GRAVEL FIELD ENTRANCES AND/OR PRIVATE ENTRANCES ARE TO BE INCLUDED IN AGGREGATE SURFACE COURSE, TYPE B QUANTITIES

**PRIVATE & FIELD ENTRANCE APPROACH DETAIL**



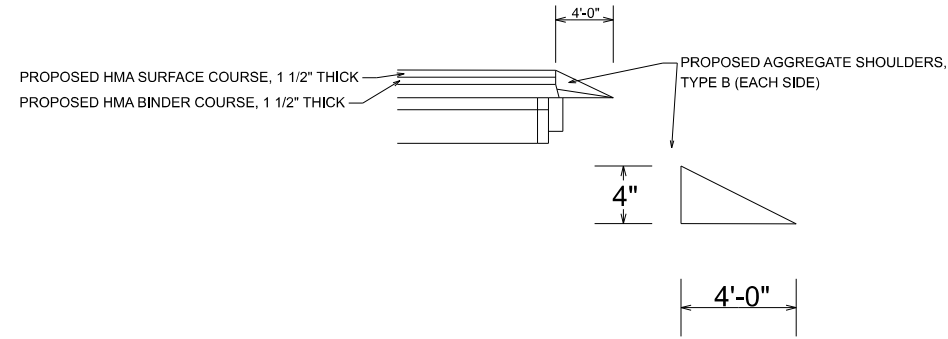
NOTE: THE 2' AREA FROM THE EDGE OF SURFACE, AS SHOWN ABOVE, SHALL BE HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70 FOR THE PRIVATE ENTRANCES AND THE FIELD ENTRANCES. THIS QUANTITY IS INCLUDED IN QUANTITY FOR HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70.

**PRIVATE & FIELD ENTRANCE AGGREGATE SURFACE COURSE, TYPE B SCHEDULE**

STATION	LOCATION	AREA AGG (SF)	VOLUME (CU YD)	QUANTITY (TON)	STATION	LOCATION	AREA AGG (SF)	VOLUME (CU YD)	QUANTITY (TON)
3+33.00	RT	301.01	1.86	3.81	205+10.00	LT	459.14	2.83	5.82
12+65.00	LT	519.75	3.21	6.58	205+64.00	RT	617.70	3.81	7.82
13+53.00	LT	591.81	3.65	7.49	213+57.00	RT	371.18	2.29	4.70
20+79.00	LT	328.53	2.03	4.16	228+42.00	RT	424.10	2.62	5.37
23+52.00	LT		0.00	0.00	230+75.00	RT	969.69	5.99	12.28
22+03.00	LT	290.18	1.79	3.68	230+90.00	LT	543.22	3.35	6.88
22+74.00	LT	1644.46	10.15	20.81	233+44.00	LT	397.34	2.45	5.03
23+36.00	LT	374.81	2.31	4.75	238+18.00	RT	253.75	1.57	3.22
25+85.00	LT	232.63	1.44	2.95	242+86.00	LT	401.53	2.48	5.09
27+23.00	RT	593.81	3.67	7.52	247+30.00	RT	789.72	4.87	10.00
31+59.00	LT	529.72	3.27	6.71	256+90.00	LT	679.38	4.19	8.60
32+47.00	LT	331.66	2.05	4.20	263+27.00	LT	302.79	1.87	3.84
33+38.00	LT	289.32	1.79	3.67	263+71.00	RT	470.65	2.91	5.96
38+32.00	LT	374.95	2.31	4.75	266+53.00	RT	508.78	3.14	6.44
40+07.00	LT	313.71	1.94	3.97	275+69.00	RT	344.01	2.12	4.36
41+12.00	RT	356.49	2.20	4.52	275+72.00	LT	769.18	4.75	9.74
41+43.00	LT	755.53	4.66	9.57	288+96.00	RT	329.17	2.03	4.17
44+01.00	LT	617.21	3.81	7.82	289+47.00	LT	263.30	1.63	3.34
47+54.00	RT	789.50	4.87	10.00	296+52.00	LT	290.64	1.79	3.68
47+75.00	LT	584.32	3.61	7.40	299+49.00	RT	352.00	2.17	4.46
49+15.00	LT	369.70	2.28	4.68	303+45.00	RT	416.20	2.57	5.27
52+43.00	LT	436.57	2.69	5.53	304+66.00	LT	531.26	3.28	6.73
59+33.00	LT	486.02	3.00	6.16	319+57.00	LT	304.55	1.88	3.86
62+47.00	RT	383.53	2.37	4.86	325+78.00	LT	378.74	2.34	4.80
62+94.00	LT	449.33	2.77	5.69	327+33.00	LT	305.85	1.89	3.88
81+04.00	LT	440.78	2.72	5.58	334+65.00	LT	422.21	2.61	5.35
81+90.00	RT	801.72	4.95	10.15	336+47.00	LT	261.18	1.61	3.31
83+22.00	RT	426.93	2.64	5.41	337+07.00	LT	739.46	4.56	9.36
88+25.00	LT	583.44	3.60	7.39	346+05.00	RT	445.14	2.75	5.64
88+51.00	RT	524.64	3.24	6.64	348+83.00	LT	739.61	4.57	9.36
106+54.00	LT	340.75	2.10	4.32	351+11.00	LT	247.19	1.53	3.13
111+18.00	LT	507.80	3.13	6.43	354+54.00	LT	370.20	2.29	4.69
111+25.00	RT	579.20	3.58	7.33	357+18.00	LT	467.68	2.89	5.92
112+91.00	LT	885.59	5.47	11.21	367+62.00	LT	295.33	1.82	3.74
115+40.00	RT	CONC		0.00	375+17.00	LT	1035.48	6.39	13.11
116+46.00	LT	AGG		0.00	378+91.00	LT	495.18	3.06	6.27
115+60.00	LT	378.92	2.34	4.80	378+95.00	RT	553.06	3.41	7.00
116+10.00	LT	601.31	3.71	7.61	384+23.00	RT	1238.54	7.65	15.68
117+84.00	LT	314.07	1.94	3.98	391+27.00	LT	689.48	4.26	8.73
118+43.00	RT	676.19	4.17	8.56	391+30.00	RT	476.55	2.94	6.04
118+87.00	LT	508.91	3.14	6.44	392+12.00	RT	501.62	3.10	6.35
119+63.00	LT	470.95	2.91	5.94	397+78.00	LT	316.94	1.96	4.02
123+45.00	RT	1163.86	7.18	14.73	398+96.00	LT	305.98	1.89	3.88
124+82.00	RT	353.39	2.18	4.48	401+63.00	LT	832.62	5.14	10.54
126+06.00	RT	355.55	2.19	4.50	401+75.00	RT	408.39	2.52	5.17
131+25.00	RT	414.69	2.56	5.25	405+58.00	LT	526.45	3.25	6.67
133+71.00	RT	1479.32	9.13	18.72	406+76.00	LT	705.48	4.35	8.93
135+24.00	RT	1245.48	7.69	15.77	415+30.00	LT	607.08	3.75	7.69
135+24.00	LT	377.09	2.33	4.78	415+61.00	RT	345.89	2.14	4.38
135+87.00	LT	414.41	2.56	5.25	427+90.00	LT	239.40	1.48	3.03
140+14.00	RT	810.01	5.00	10.26	428+66.00	LT	381.29	2.35	4.83
140+22.00	LT	315.22	1.95	3.99	440+69.00	LT	715.62	4.42	9.06
141+59.00	RT	879.11	5.43	11.13	440+71.00	RT	637.98	3.94	8.08
142+87.00	RT	583.31	3.60	7.39	441+88.00	LT	478.25	2.95	6.06
144+36.00	RT	330.79	2.04	4.19	447+64.00	LT	574.13	3.54	7.27
149+62.00	LT	344.27	2.13	4.36	447+75.00	RT	418.65	2.58	5.30
149+73.00	RT	750.26	4.63	9.50	456+50.00	LT	304.08	1.88	3.85
151+93.00	RT	485.77	3.00	6.15	458+93.00	RT	81.71	0.50	1.04
158+66.00	LT	457.75	2.83	5.80	458+94.00	LT	62.24	0.38	0.79
165+55.00	LT	463.91	2.86	5.88	463+66.00	RT	317.26	1.96	4.02
165+60.00	RT	431.33	2.66	5.46					
171+65.00	LT	483.56	2.98	6.12					
178+54.00	LT	357.22	2.21	4.53					
178+67.00	RT	328.69	2.03	4.16					
192+20.00	RT	270.52	1.67	3.43					
		<b>TOTAL</b>		<b>783.0</b>					

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### AGGREGATE SHOULDER DETAIL AND SCHEDULE



START STA	END STA	LOCATION	OMISSION (FT)	LENGTH (FT)	WIDTH (FT)	LENGTH (FT)	AREA (SY)	QUANTITY (TON)
<b>MAINLINE</b>								
0+0.00	60+28.00	LT	0.0	6028.0	4.0		149.6	269.3
0+0.00	20+75.00	RT	0.0	2075.0	4.0		51.5	92.7
21+57.00	60+25.00	RT	0.0	3868.0	4.0		96.0	172.8
60+95.00	138+81.00	RT	0.0	7786.0	4.0		193.2	347.8
61+02.00	138+97.00	LT	0.0	7795.0	4.0		193.4	348.2
140+35.00	220+48.00	LT	0.0	8013.0	4.0		198.8	357.9
140+63.00	220+44.00	RT	0.0	7981.0	4.0		198.0	356.5
220+94.00	304+31.00	RT	133.0	8204.0	4.0		203.6	366.4
221+19.00	330+76.00	LT	133.0	10824.0	4.0		268.6	483.5
305+11.00	330+79.00	RT	0.0	2568.0	4.0		63.7	114.7
331+26.00	387+57.00	LT	0.0	5631.0	4.0		139.7	251.5
331+41.00	354+42.00	RT	0.0	2301.0	4.0		57.1	102.8
355+10.00	387+60.00	RT	0.0	3250.0	4.0		80.6	145.2
388+34.00	456+67.00	RT	0.0	6833.0	4.0		169.6	305.2
388+38.00	456+67.00	LT	0.0	6829.0	4.0		169.5	305.0
<b>INTERSECTIONS</b>								
	20+75	RT			4.00	50.0	1.2	2.2
	21+57	RT			4.00	47.0	1.2	2.1
	60+25	RT			4.00	41.0	1.0	1.8
	60+28	LT			4.00	39.0	1.0	1.7
	60+95	RT			4.00	43.0	1.1	1.9
	61+02	LT			4.00	46.0	1.1	2.1
	138+81	RT			4.00	65.0	1.6	2.9
	138+97	LT			4.00	61.0	1.5	2.7
	140+35	LT			4.00	70.0	1.7	3.1
	140+63	RT			4.00	92.0	2.3	4.1
	220+44	RT			4.00	35.0	0.9	1.6
	220+48	LT			4.00	36.0	0.9	1.6
	220+94	RT			4.00	38.0	0.9	1.7
	221+19	LT			4.00	49.0	1.2	2.2
	304+31	RT			4.00	43.0	1.1	1.9
	305+11	RT			4.00	45.0	1.1	2.0
	330+76	LT			4.00	33.0	0.8	1.5
	330+79	RT			4.00	38.0	0.9	1.7
	331+26	LT			4.00	38.0	0.9	1.7
	331+41	RT			4.00	45.0	1.1	2.0
	354+42	RT			4.00	43.0	1.1	1.9
	355+10	RT			4.00	42.0	1.0	1.9
	387+57	LT			4.00	42.0	1.0	1.9
	387+60	RT			4.00	41.0	1.0	1.8
	388+34.00	RT			4.00	42.0	1.0	1.9
	388+38.00	LT			4.00	45.0	1.1	2.0
	470+00	LT			4.00	24.0	0.6	1.1
	470+00	RT			4.00	23.0	0.6	1.0
<b>TOTAL</b>								<b>4076.0</b>

### AGGREGATE FOR TEMPORARY ACCESS SCHEDULE

AGGREGATE FOR TEMPORARY ACCESS					
STATION	LOCATION	LENGTH	WIDTH	DEPTH	TEMPORARY AGGREGATE
		(IN)	(FT)	(INCH)	(TONS)
180+05	AR	73	30	6	7.10
<b>TOTAL</b>					<b>8.0</b>

NOTE: AGG FOR TEMPORARY ACCESS = 0.05833 TONS/SQYD/INCH

### STONE RIPRAP, CLASS A4 (SPECIAL) SCHEDULE

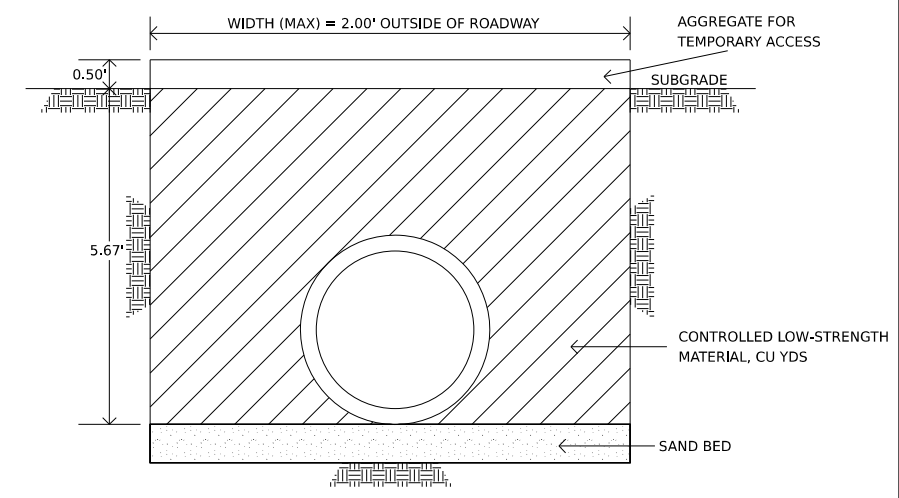
A4 RIP RAP		
STATION	LOCATION	TON
169+49	RT	5.00
169+49	LT	5.00
180+05	RT	50.00
180+05	LT	5.00
<b>TOTAL</b>		<b>65</b>

### STONE RIPRAP A3 SCHEDULE

A3 RIP RAP		
STATION	LOCATION	TON
1+06	RT	5.00
1+06	LT	5.00
10+56	RT	5.00
10+56	LT	5.00
13+73	RT	5.00
13+73	LT	5.00
19+54	RT	5.00
19+54	LT	5.00
35+38	RT	5.00
35+38	LT	5.00
50+69	RT	5.00
50+69	LT	5.00
58+61	RT	5.00
58+61	LT	5.00
61+25	RT	5.00
61+25	LT	5.00
70+22	RT	5.00
70+22	LT	5.00
74+98	RT	5.00
74+98	LT	5.00
76+56	RT	5.00
76+56	LT	5.00
86+59	RT	5.00
86+59	LT	5.00
86+62	RT	5.00
96+62	LT	5.00
102+96	RT	5.00
102+96	LT	5.00
111+16	RT	5.00
111+16	LT	5.00
129+36	RT	5.00
129+36	LT	5.00
176+35	RT	5.00
176+35	LT	5.00
178+99	RT	5.00
178+99	LT	5.00
183+74	RT	5.00
183+74	LT	5.00
191+66	RT	5.00
191+66	LT	5.00
204+34	RT	5.00
204+34	LT	5.00
212+26	RT	5.00
212+26	LT	5.00
222+82	RT	5.00
222+82	LT	5.00
234+96	RT	5.00
234+96	LT	5.00
247+10	RT	5.00
247+10	LT	5.00
252+38	RT	5.00
252+38	LT	5.00
255+55	RT	5.00
255+55	LT	5.00
264+47	RT	5.00
264+47	LT	5.00
279+84	RT	5.00
279+84	LT	5.00
<b>TOTAL</b>		<b>460</b>

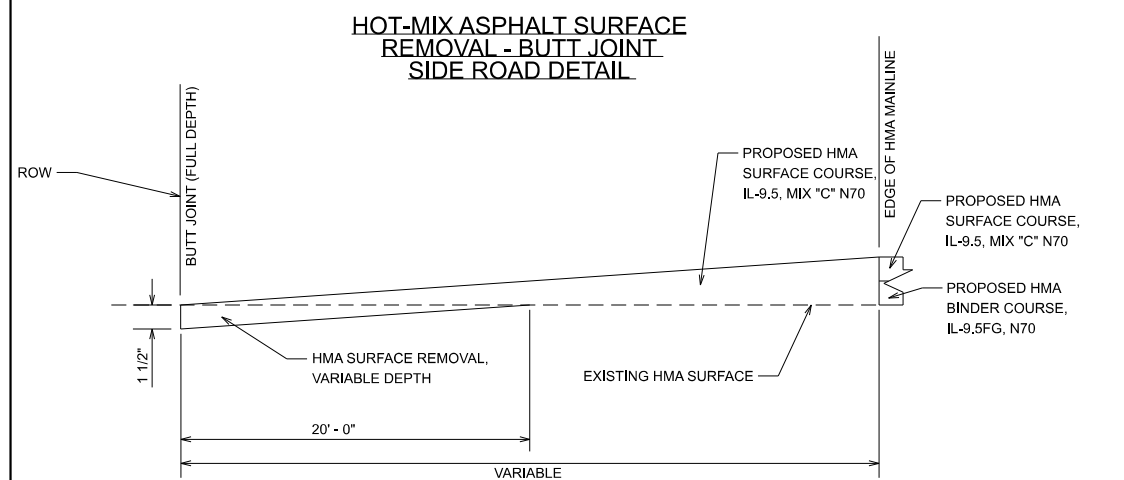
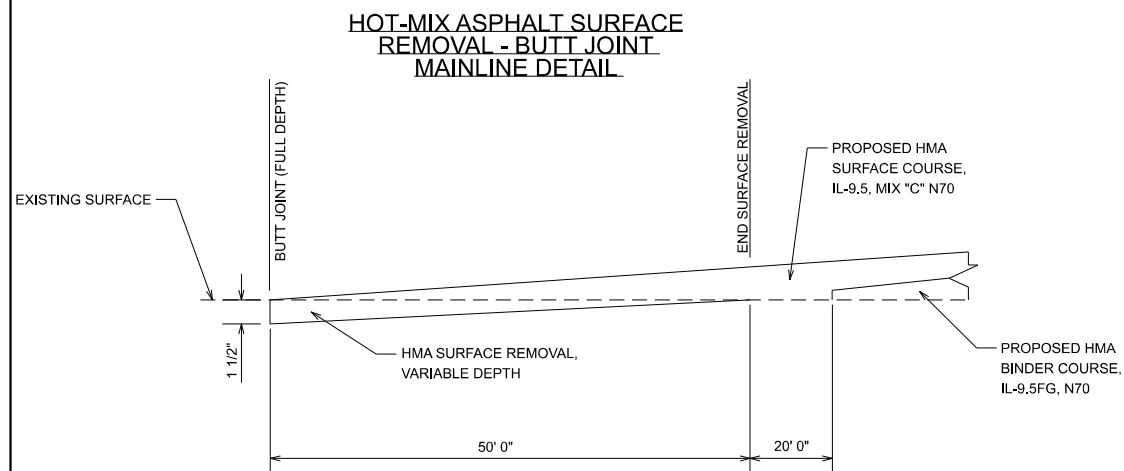
### CONTROLLED LOW-STRENGTH MATERIAL SCHEDULE

CONTROLLED LOW-STRENGTH MATERIAL		
STATION	LOCATION	CONTROLLED LOW-STRENGTH MATERIAL (CU YD)
180+05	AR	25.91
<b>TOTAL</b>		<b>26.0</b>



MODEL: Default; FILE NAME: 2312021010810Cadd\_DesignCADD\_Drawing1210810-2\_Miscellaneous Details and Schedules.dgn

# HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT DETAIL AND SCHEDULE



HMA REMOVAL - BUTT JOINTS						
STATION	STATION BEGIN	STATION END	LOCATION	LENGTH	WIDTH	SURFACE REMOVE
				(FT)	(FT)	(SQ YD)
<b>MAINLINE</b>						
	0+00	50+00	AR	50	22	122.2
	264+00	264+50	AR	50	22	122.2
	265+83	266+33	AR	50	22	122.2
	456+15	456+65	AR	50	VARIES	133.5
	469+61	470+11	AR	50	VARIES	143.2
<b>INTERSECTIONS</b>						
21+78.00			RT	20	VARIES	51.21
60+59.00			RT	20	VARIES	57.98
60+61.00			LT	20	VARIES	63.89
139+56.00			RT	20	VARIES	141.76
139+61.00			LT	20	VARIES	96.23
220+67.00			RT	20	VARIES	40.30
220+75.00			LT	20	VARIES	56.02
304+69.00			RT	20	VARIES	66.85
330+96.00			LT	20	VARIES	45.12
331+06.00			RT	20	VARIES	47.33
354+76.00			RT	20	VARIES	50.38
387+95.00			LT	20	VARIES	73.18
387+96.00			RT	20	VARIES	66.45
<b>TOTAL</b>						<b>1501.0</b>

# CLASS D PATCHES SCHEDULE

CLASS D PATCHES, TYPE III, 6 INCH					
STATION	LOCATION	LENGTH	WIDTH	DEPTH	PATCH
		(FT)	(FT)	(FT)	(SQ YD)
180+05	AR	13.84	22	0.5	16.92
<b>TOTAL</b>					<b>17.0</b>

# INLET AND PIPE PROTECTION SCHEDULE

STATION	LOCATION	INLET AND PIPE PROTECTION (EACH)
461+44	RT	1
461+44	LT	1
466+56	RT	1
466+56	LT	1
<b>TOTAL</b>		<b>4</b>

# RAISED REFLECTIVE PAVEMENT MARKINGS TO BE REMOVED SCHEDULE

RAISED REFLECTIVE PAVEMENT MARKINGS TO BE REMOVED				
START STATION	END STATION	TANGENT (FEET)	CURVES (FEET)	RAISED REFLECTIVE PAVEMENT MARKINGS TO BE REMOVED (EACH)
0+0.00	11+85.92	1185.92		15
11+85.92	25+16.81		1330.89	34
25+16.81	117+48.26	9231.45		116
117+48.26	129+87.26		1239.00	31
129+87.26	162+15.60	3228.34		41
162+15.60	168+46.72		631.12	16
168+46.72	217+75.39	4928.67		62
217+75.39	223+60.79		585.40	15
223+60.79	235+75.15	1214.36		16
235+75.15	245+87.85		1012.70	26
245+87.85	250+23.53	435.68		6
250+23.53	260+31.80		1008.27	26
260+31.80	264+50.00	418.20		6
265+83.00	321+57.50	5574.50		70
321+57.50	327+69.60		612.10	16
327+69.60	330+18.44	248.84		4
330+18.44	336+63.92		645.48	17
336+63.92	382+68.41	4604.49		58
382+68.41	393+21.73		1053.32	27
393+21.73	439+61.27	4639.54		58
439+61.27	446+96.39		735.12	19
446+96.39	466+38.44	1942.05		25
466+38.44	468+32.54		194.10	5
468+32.54	470+11.00	178.46		3
<b>TOTAL</b>				<b>712</b>

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 HAMPTON, LENZINI AND RENWICK, INC.  
 380 SHEPARD DRIVE  
 ELGIN, ILLINOIS 60123  
 ILLINOIS PROFESSIONAL DESIGN FIRM  
 LS / PE / SE CORP. 154-000959

## SCHEDULE OF PAVEMENT MARKINGS

PAVEMENT MARKING SCHEDULE					
LOCATION			PAINT PAVEMENT MARKING - LINE 4"		
			SOLID		SKIP DASH
STA START	STA END	LOCATION	WHITE FOOT	YELLOW FOOT	YELLOW FOOT
<b>EDGE LINES - WHITE</b>					
0+0.00	60+28.00	LT	6,028.0		
0+0.00	20+75.00	RT	2,075.0		
21+57.00	60+25.00	RT	3,868.0		
60+95.00	138+81.00	RT	7,786.0		
61+02.00	138+97.00	LT	7,795.0		
140+35.00	220+48.00	LT	8,013.0		
140+63.00	220+44.00	RT	7,981.0		
220+94.00	264+50.00	RT	4,356.0		
221+19.00	264+50.00	LT	4,331.0		
265+83.00	304+31.00	RT	3,848.0		
265+83.00	330+76.00	LT	6,493.0		
305+11.00	330+79.00	RT	2,568.0		
331+26.00	387+57.00	LT	5,631.0		
331+41.00	354+42.00	RT	2,301.0		
355+10.00	387+60.00	RT	3,250.0		
388+34.00	469+91.00	RT	8,157.0		
388+38.00	469+91.00	LT	8,153.0		
469+91.00	470+11.00	LT	24.0		
469+91.00	470+11.00	RT	23.0		
<b>NO PASSING ZONE - YELLOW</b>					
0+0	1+04	LT		104.0	
1+04	5+09	BOTH		810.0	
5+09	16+82	LT		1,173.0	
16+82	25+09	BOTH		1,654.0	
25+09	34+31	LT		922.0	
36+06	45+58	RT		952.0	
46+10	56+75	LT		1,065.0	
72+04	80+34	RT		830.0	
82+58	90+07	LT		749.0	
101+09	111+86	RT		1,077.0	
111+86	115+61	BOTH		750.0	
115+61	127+71	LT		1,210.0	
137+07	147+09	RT		1,002.0	
147+09	152+62	BOTH		1,106.0	
152+62	162+67	LT		1,005.0	
181+84	187+87	RT		603.0	
192+37	198+64	LT		627.0	
220+05	231+33	RT		1,128.0	
231+33	286+54	BOTH		11,042.0	
286+54	296+93	LT		1,039.0	
296+93	297+82	BOTH		178.0	
297+82	302+04	RT		422.0	
306+56	313+04	LT		648.0	
434+44	444+67	RT		1,023.0	
444+67	445+75	BOTH		216.0	
445+75	456+54	LT		1,079.0	
456+84	470+11	BOTH		2,654.0	
<b>SKIP DASH - YELLOW</b>					
0+0	1+04				26.0
5+09	16+82				293.3
25+09	111+86				2,169.3
115+61	147+09				787.0
152+62	231+33				1,967.8
286+54	296+96				260.5
297+82	444+67				3,671.3
445+75	456+84				277.3
<b>TOTAL</b>			<b>92,681.0</b>	<b>35,068.0</b>	<b>9,453.0</b>
<b>TOTAL</b>			<b>137,202.0 FT</b>		

## SCHEDULE OF PAVEMENT MARKINGS

PAVEMENT MARKING SCHEDULE		
PAINT PAVEMENT MARKING - LINE 24"		
LOCATION		SOLID WHITE FOOT
<b>INTERSECTING ROAD</b>	<b>LOCATION</b>	<b>FOOT</b>
<b>STOP BARS - WHITE</b>		
COUNTY ROAD 040 E	RT	10.0
COUNTY ROAD 410E	LT	10.0
COUNTY ROAD 550E	RT	11.0
COUNTY ROAD 600E	RT	9.0
COUNTY ROAD 640E	RT	9.5
COUNTY ROAD 700E	RT	11.0
3RD ST IN JOHNSONVILLE	RT	7.5
<b>TOTAL</b>		<b>68.0</b>

## SCHEDULE OF TEMPORARY RAMPS

TEMPORARY RAMP				
STATION	LOCATION	LENGTH	WIDTH	TEMPORARY RAMP
		(FT)	(FT)	(SQ YD)
VARIABLE	AR	5	22	12.2
VARIABLE	AR	5	22	12.2
VARIABLE	AR	5	22	12.2
VARIABLE	AR	5	22	12.2
VARIABLE	AR	5	22	12.2
VARIABLE	AR	5	22	12.2
VARIABLE	AR	5	22	12.2
VARIABLE	AR	5	22	12.2
VARIABLE	AR	5	22	12.2
VARIABLE	AR	5	22	12.2
<b>TOTAL</b>				<b>122.0</b>

## SCHEDULE OF SHORT TERM PAVEMENT MARKINGS

CONSTRUCTION PHASES =	2	
STRIPE LENGTH =	4	FT
STRIPE WIDTH =	4	IN
STRIPE SPACING =	40	FT

STA START	STA END	OMISSION	LENGTH (FT)	MARKING LENGTH (FT)	REMOVAL (SQ FT)
0+0	470+11	133.00	46878.00	9375.60	1562.60
<b>TOTALS</b>				<b>9376.00</b>	<b>1563.00</b>

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 HAMPTON, LENZINI AND RENWICK, INC.  
 300 SHEPARD DRIVE  
 ELGIN, ILLINOIS 60123  
 ILLINOIS PROFESSIONAL DESIGN FIRM  
 LS / PE / SE CORP. 154-000055

## SCHEDULE OF BITUMINOUS MATERIALS (TACK COAT)

START STA	END STA	OMISSION (FT)	LENGTH (FT)	WIDTH (FT)	AREA (SF)	APPLICATION RATE (LB/SQ FT)	QUANTITY (GAL)
<b>MAINLINE</b>							
0+0.00	456+65.00	133.00	45532.00	11.0	500852.0	0.050	25042.6
0+0.00	456+65.00	133.00	45532.00	11.0	500852.0	0.050	25042.6
456+65.00	470+11.00	0.00	1346.00	12.0	16152.0	0.050	807.6
456+65.00	470+11.00	0.00	1346.00	12.0	16152.0	0.050	807.6
0+0.00	456+65.00	133.00	45532.00	11.0	500852.0	0.025	12521.3
0+0.00	456+65.00	133.00	45532.00	11.0	500852.0	0.025	12521.3
456+65.00	470+11.00	0.00	1346.00	12.0	16152.0	0.025	403.8
456+65.00	470+11.00	0.00	1346.00	12.0	16152.0	0.025	403.8
<b>INTERSECTIONS</b>							
			21+78.00	RT	987.49	0.050	49.4
			60+59.00	RT	1005.96	0.050	50.3
			60+61.00	LT	1052.46	0.050	52.6
			139+56.00	RT	2445.48	0.050	122.3
			139+61.00	LT	1712.44	0.050	85.6
			220+67.00	RT	690.24	0.050	34.5
			220+75.00	LT	937.92	0.050	46.9
			304+69.00	RT	1170.22	0.050	58.5
			330+96.00	LT	712.59	0.050	35.6
			331+06.00	RT	818.42	0.050	40.9
			354+76.00	RT	891.37	0.050	44.6
			387+95.00	LT	1231.61	0.050	61.6
			387+96.00	RT	1154.13	0.050	57.7
			470+00.00	LT	110.52	0.050	5.5
			470+00.00	RT	37.14	0.050	1.9
<b>TOTAL</b>							<b>78299.0</b>

## SCHEDULE OF HMA SURFACE REMOVAL

START STATION	END STATION	OMISSION (FT)	LENGTH (FT)	LOCATION	WIDTH (FT)	AREA (SY)
456+65.00	470+11.00	0.00	1346.00	RT	12.00	1795.0
456+65.00	470+11.00	0.00	1346.00	LT	12.00	1795.0
<b>TOTAL</b>						<b>3590.0</b>

## HOT-MIX ASPHALT MAINLINE SCHEDULE

### HMA SURFACE COURSE, IL-9.5, MIX "C", N70

START STA	END STA	OMISSION (FT)	LENGTH (FT)	LOCATION	WIDTH (FT)	THICKNESS (FT)	AREA (SY)	QUANTITY (TON)
0+0.00	456+65.00	133.00	45532.00	RT	11.00	1.500	55650.22	4675.0
0+0.00	456+65.00	133.00	45532.00	LT	11.00	1.500	55650.22	4675.0
456+65.00	470+11.00	0.00	1346.00	RT	12.00	1.500	1794.67	151.0
456+65.00	470+11.00	0.00	1346.00	LT	12.00	1.500	1794.67	151.0
<b>TOTAL</b>								<b>9652.0</b>

### HMA BINDER COURSE, IL-9.5FG, N70

START STA	END STA	OMISSION (FT)	LENGTH (FT)	LOCATION	WIDTH (FT)	THICKNESS (FT)	AREA (SY)	QUANTITY (TON)
0+0.00	456+65.00	133.00	45532.00	RT	11.00	1.500	55650.22	4675.0
0+0.00	456+65.00	133.00	45532.00	LT	11.00	1.500	55650.22	4675.0
456+65.00	470+11.00	0.00	1346.00	RT	12.00	1.500	1794.67	151.0
456+65.00	470+11.00	0.00	1346.00	LT	12.00	1.500	1794.67	151.0
<b>TOTAL</b>								<b>9652.0</b>

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 HAMPTON, LENZINI AND RENWICK, INC.  
 300 SHEPARD DRIVE  
 ELGIN, ILLINOIS 60123  
 ILLINOIS PROFESSIONAL DESIGN FIRM  
 LS / PE / SE CORP. 154-000055





### DRAINAGE SCHEDULE

STATION	LOCATION	UPSTREAM ELEVATION	DOWNSTREAM ELEVATION	PIPE CULVERTS CLASS A TYPE 2 36" (FEET)	PIPE CULVERTS CLASS A TYPE 1 30" (FEET)	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"  (EACH)	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"  (EACH)	CONCRETE HEADWALL REMOVAL SPECIAL  (EACH)	PIPE CULVERT REMOVAL  (FEET)
180+05	AR	478.84	478.02		64	2			64
191+66	RT								5
317+33	RT								5
351+65	LT	495.88	495.29	12			1	1	
<b>TOTAL</b>				<b>12</b>	<b>64</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>74</b>

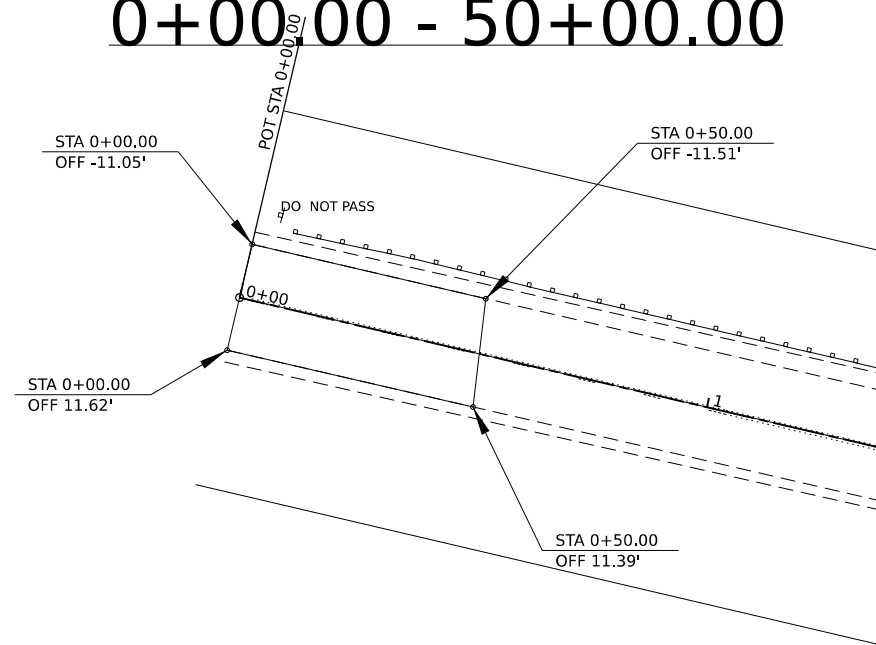
### SURVEY MONUMENT SCHEDULE

STATION	LOCATION	SURVEY MONUMENT (EACH)
139+59	CL	1
<b>TOTAL</b>		<b>1</b>

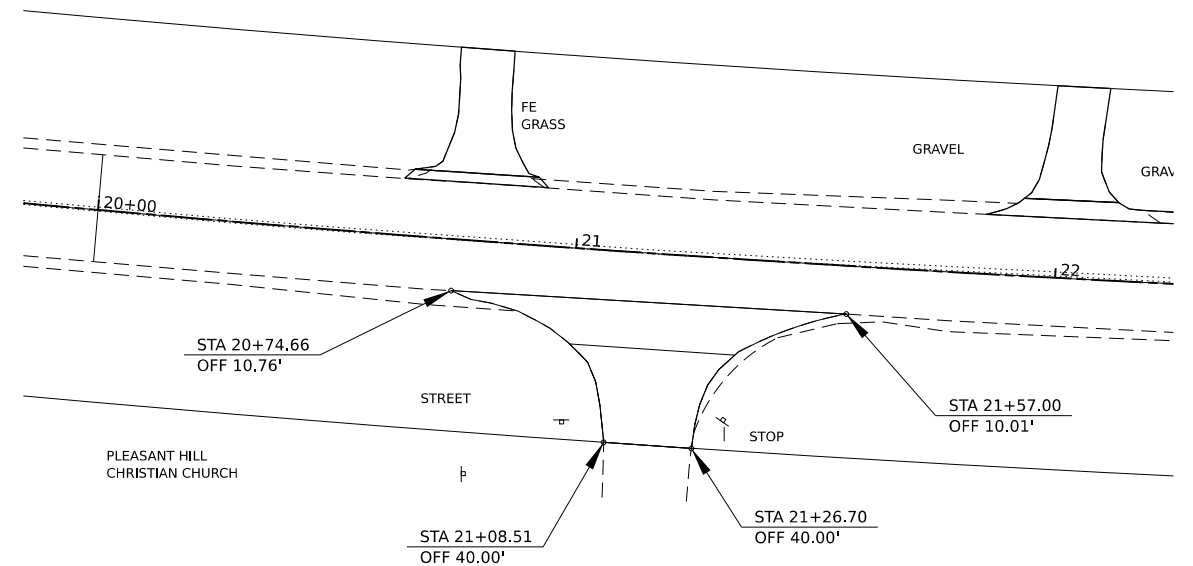
NOTE: THE NORTHEAST CORNER  
OF THE NORTHWEST 1/4  
OF SECTION 21  
SEE DISTRICT 7 DETAIL NO. Z0070202

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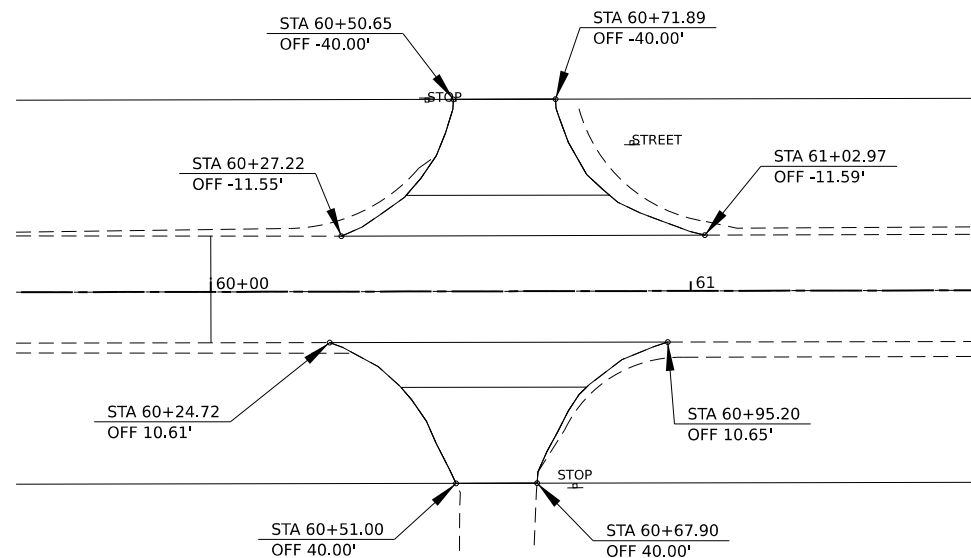
# BEGGINING OF PROJECT DETAIL OF BUTT JOINT 0+00.00 - 50+00.00



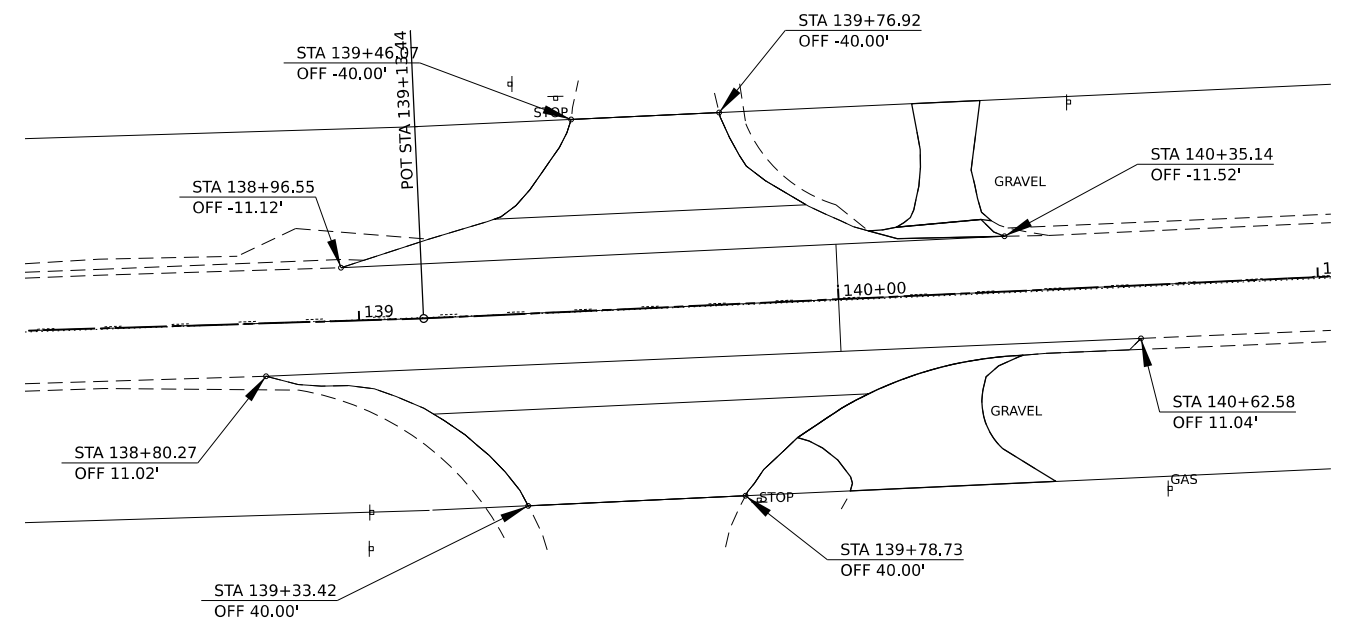
# DETAIL OF INTERSECTION 21+78.00 RT



# DETAIL OF INTERSECTIONS 60+59.00 RT AND 60+61.00 LT



# DETAIL OF INTERSECTIONS 139+56.00 RT AND 139+61.00 LT



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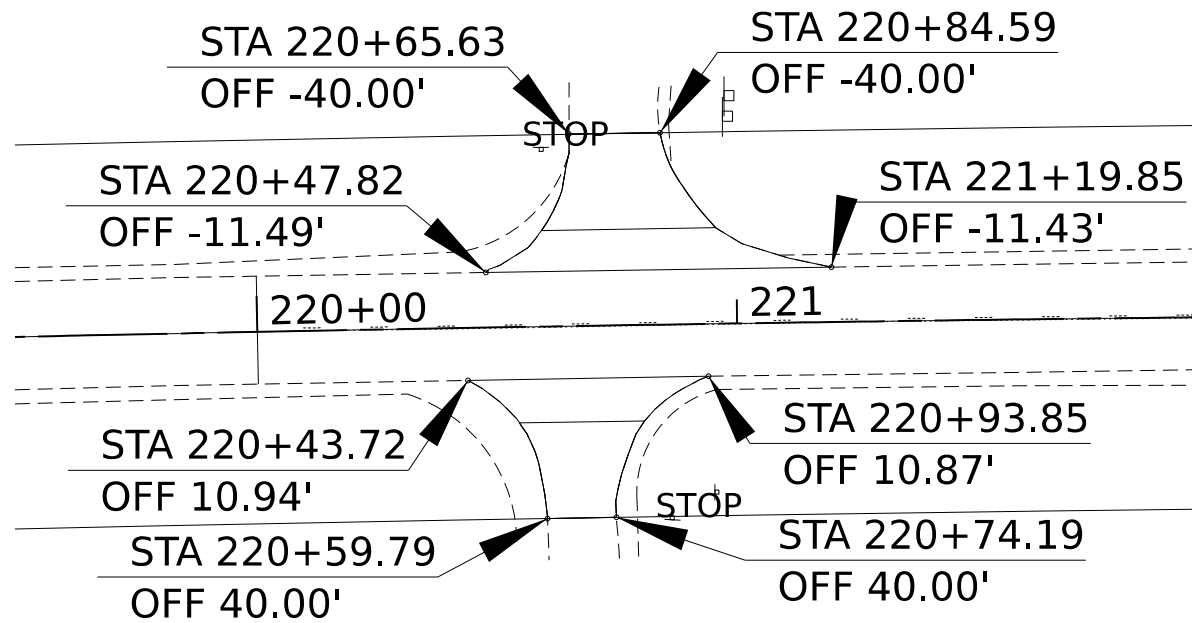
<p><b>HAMPTON, LENZINI AND RENWICK, INC.</b> 390 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184-000059</p>	USER NAME = lhahn	DESIGNED - LTH	REVISED -
	PLOT SCALE = 40.0000' / in.	DRAWN - LTH	REVISED -
	PLOT DATE = 1/25/2023	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETAILS OF INTERSECTIONS, SIDE ROADS, AND BUTT JOINTS</b>				SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE:	SHEET 1	OF 4 SHEETS	STA.	21-00129-00-RS	WAYNE	13	10
			TO STA.	CONTRACT NO. 95930   ILLINOIS   FED. AID PROJECT			

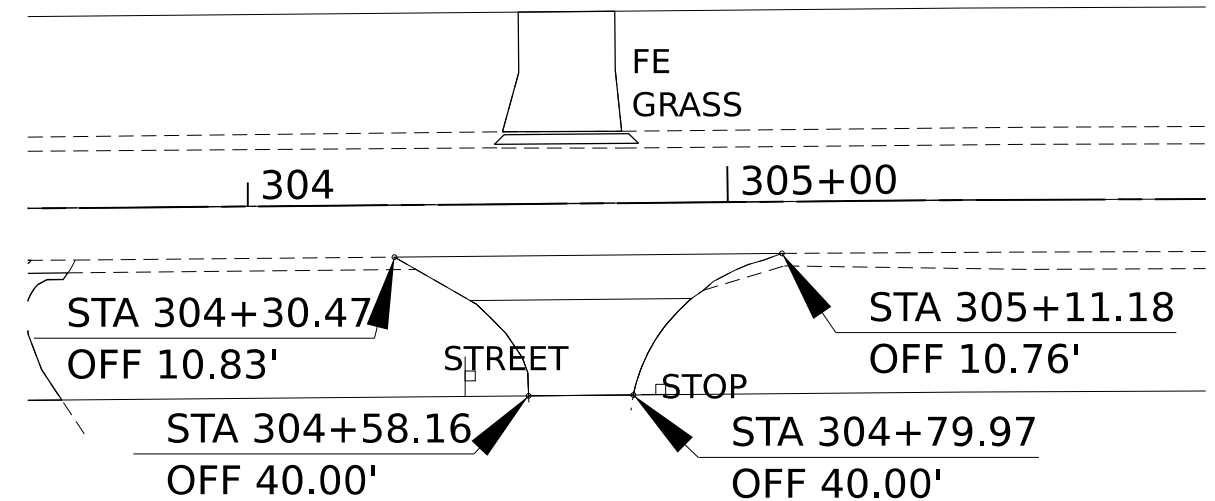
# DETAIL OF INTERSECTIONS

## 220+67.00 RT AND 220+75.00 LT



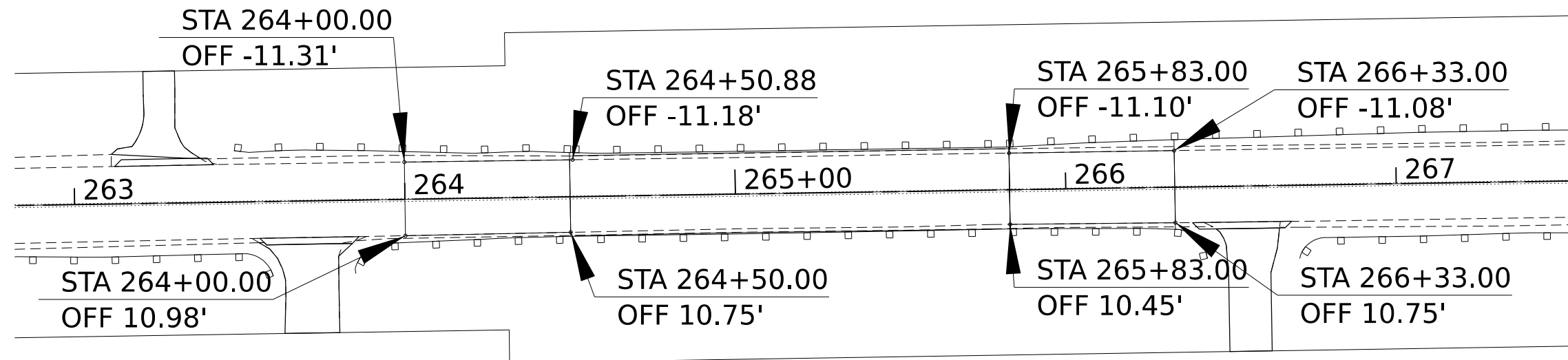
# DETAIL OF INTERSECTION

## 304+69.00 RT



# DETAIL OF BUTT JOINTS

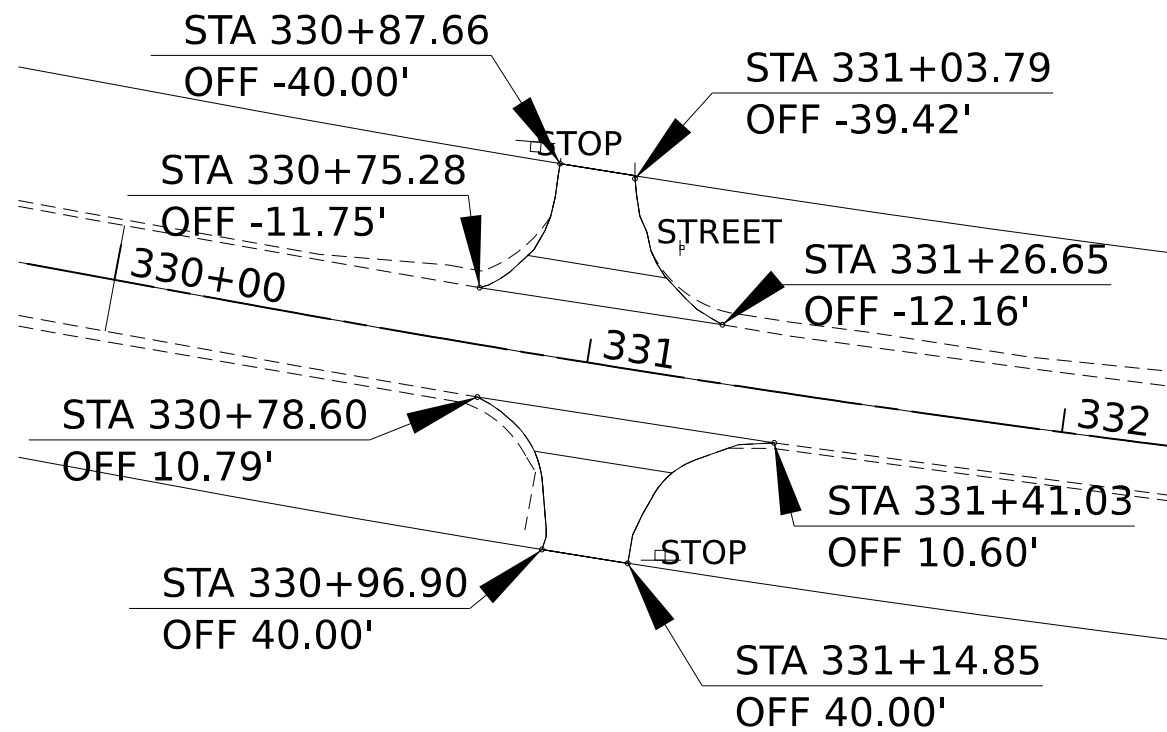
## 264+00.00 - 264+50.00 AND 265+83.00 - 266+33.00



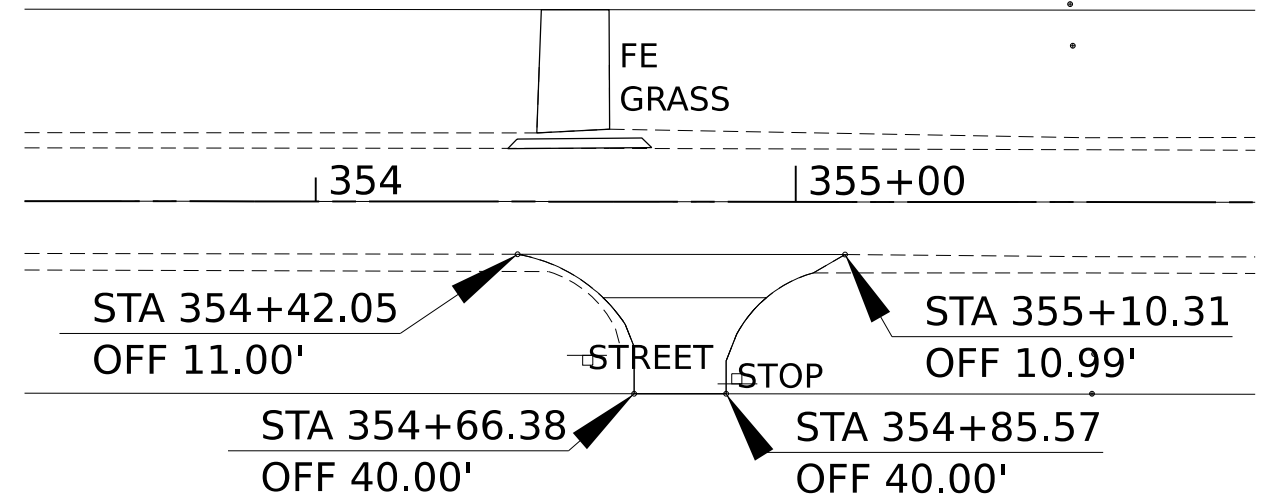
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<b>HAMPTON, LENZINI AND RENWICK, INC.</b> 390 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 154-000055	USER NAME = lhahn	DESIGNED - LTH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS OF INTERSECTIONS, SIDE ROADS, AND BUTT JOINTS			SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / in.	DRAWN - LTH	REVISED -					21-00129-00-R5	WAYNE	13	11
PLOT DATE = 1/25/2023	CHECKED -	REVISED -	SCALE:		SHEET 2	OF 4	SHEETS	STA.	TO STA.	CONTRACT NO. 95930   ILLINOIS   FED. AID PROJECT	
	DATE -	REVISED -									

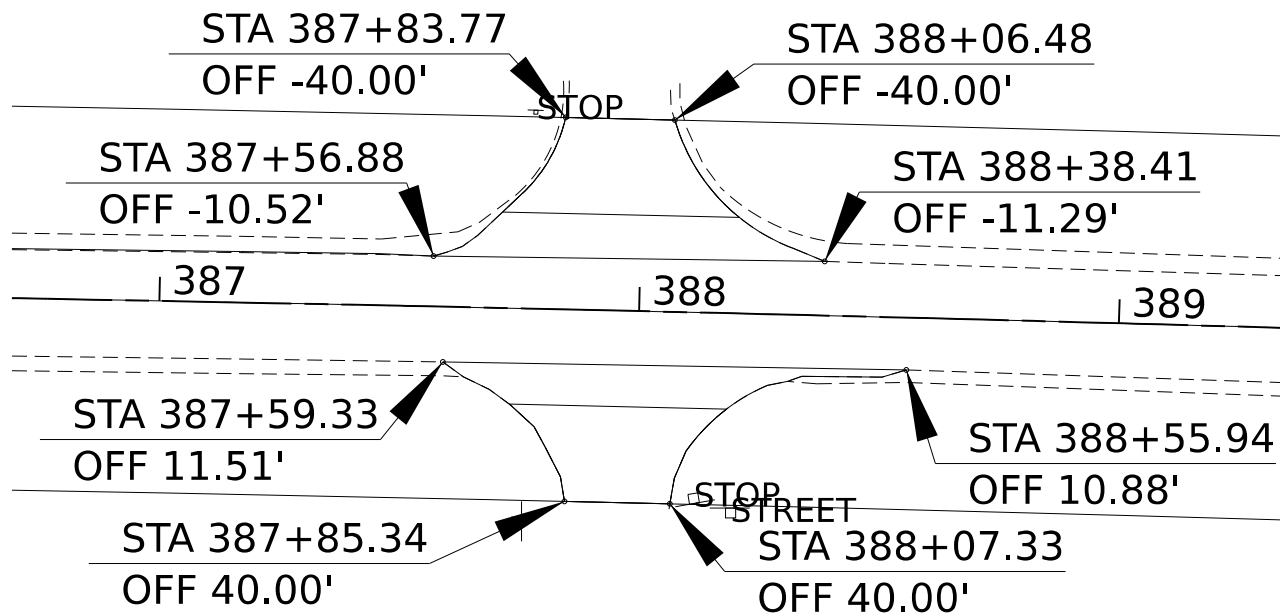
## DETAIL OF INTERSECTIONS 330+96.00 LT AND 331+06.00 RT



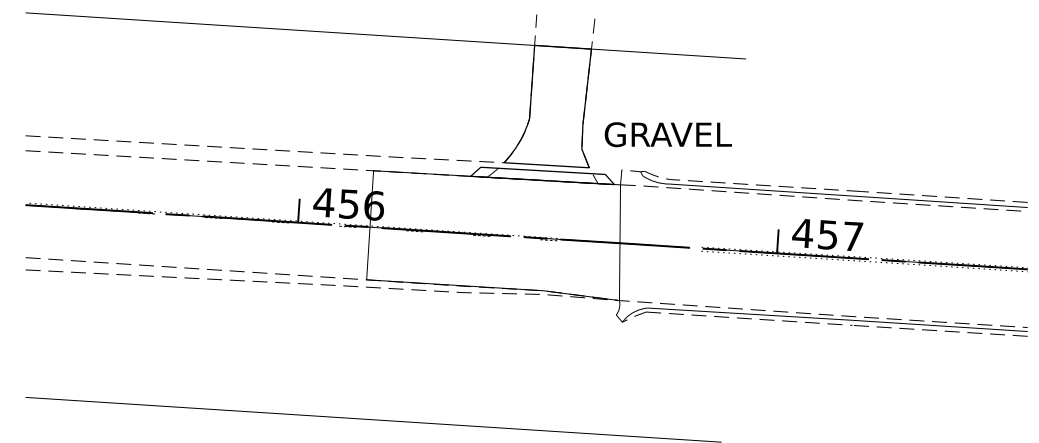
## DETAIL OF INTERSECTION 354+76.00 RT



## DETAIL OF INTERSECTIONS 387+95.00 LT AND 387+96.00 RT



## DETAIL OF BUTT JOINT 456+16.00 - 456+65.00



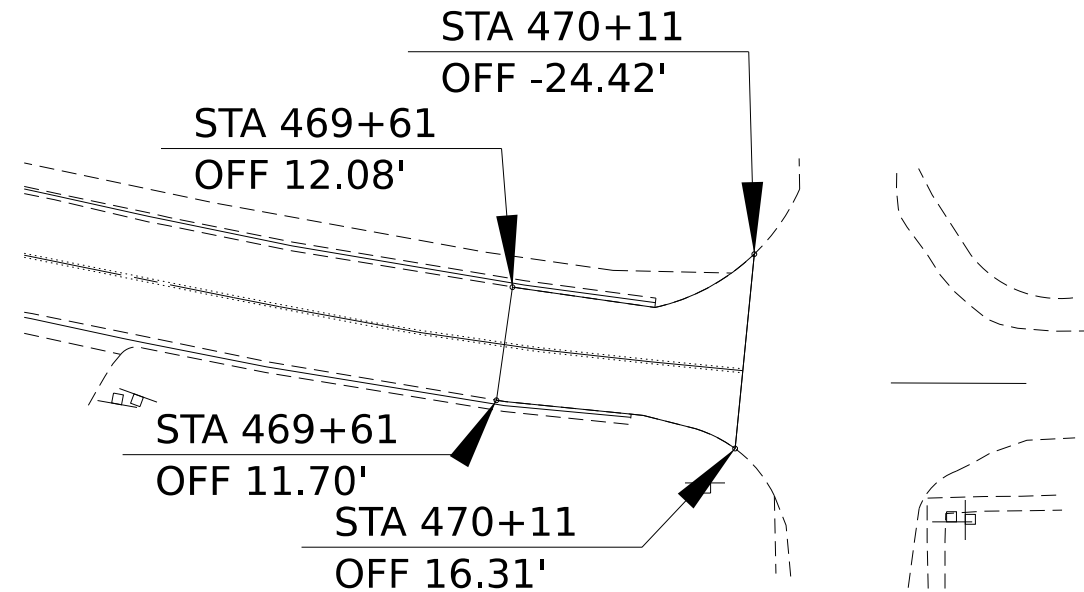
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	USER NAME = lhahn DESIGNED - LTH DRAWN - LTH CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -
	HAMPTON, LENZINI AND RENWICK, INC. 390 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 154-000055	PLOT SCALE = 40.0000' / in. PLOT DATE = 1/25/2023

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETAILS OF INTERSECTIONS, SIDE ROADS, AND BUTT JOINTS</b>		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE:	SHEET 3 OF 4 SHEETS	21-00129-00-R5	WAYNE	13	12
		CONTRACT NO. 95930   ILLINOIS   FED. AID PROJECT			

# END OF PROJECT DETAIL OF BUTT JOINT 469+61.00 - 470+11.00



MODEL: Default  
 FILE NAME: Z:\2021\210810\Cad02\_Design\CADD\_Drawings\210810-4\_Detail of Intersections and Side Roads.dgn  
 HLR  
 HAMPTON, LENZINI AND RENWICK, INC.  
 300 SHEPARD DRIVE  
 ELGIN, ILLINOIS 60123  
 ILLINOIS PROFESSIONAL DESIGN FIRM  
 LS / PE / SE CORP. 154-000555

USER NAME	lhahn	DESIGNED	LTH	REVISED	-
DRAWN	LTH	CHECKED	-	REVISED	-
PLOT SCALE	40.0000' / in.	DATE	-	REVISED	-
PLOT DATE	1/25/2023				

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS OF INTERSECTIONS, SIDE ROADS,  
AND BUTT JOINTS**

SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21-00129-00-R5	WAYNE	13	13

CONTRACT NO. 95930 | ILLINOIS | FED. AID PROJECT