

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
932	(8,9,11)WRS-1	*	401	20
STA.		TO STA.401		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* JOHNSON & POPE				

### CULVERT HYDRAULICS INFORMATION

CULVERT LOCATION STATION	DRAINAGE AREA ACRES	DESIGN DISCHARGE		CULVERT SIZE AND TYPE	HEADWATER DEPTH		HEADWATER ELEVATION		CULVERT LOCATION STATION	DRAINAGE AREA ACRES	DESIGN DISCHARGE		CULVERT SIZE AND TYPE	HEADWATER DEPTH		HEADWATER ELEVATION										
		50 YEAR	100 YEAR		50 YEAR	100 YEAR	50 YEAR	100 YEAR			50 YEAR	100 YEAR		50 YEAR	100 YEAR											
		CFS	CFS		FEET	FEET	FEET	FEET			FEET	FEET		FEET	FEET											
JOHNSON CO.																										
10+57.21	1.3	4.3	5	RCP, TY 2, 24"	0.57	0.61	467.98	468.08	403+90.00	0.7	2.5	2.9	RCP, TY 1, 24"	0.42	0.46	382.38	382.44									
15+20.14	1.4	4.6	5.4	RCP, TY 2, 24"	0.59	0.64	478.47	478.58	404+55.63	1.2	3.9	4.6	RCP, TY 2, 24"	0.54	0.59	381.44	381.54									
18+09.92	2.8	7.5	8.7	RCP, TY 2, 24"	0.77	0.84	482.06	482.2	407+42.47	1	3.3	3.8	RCP, TY 2, 24"	0.49	0.53	379.61	379.69									
23+94.34	1.4	4.6	5.4	RCP, TY 2, 24"	0.59	0.64	484.73	484.84	409+48.84	0.9	2.9	3.4	RCP, TY 2, 24"	0.46	0.5	379.11	379.2									
29+27.24	2	6.6	7.6	RCP, TY 2, 24"	0.72	0.78	487.32	487.44	423+30.63	45.9	33.1	38.7	EX. DOUBLE 9' X4' RC BOX	0.22	0.25	373.01	373.11									
40+72.06	4.9	13.2	15.3	RCP, TY 1, 24"	1.07	1.17	491.68	491.89	440+24.25	5.5	10.1	11.8	RCP, TY 1, 24"	0.92	1.01	452.42	452.6									
50+87.16	3.2	8.6	10	RCP, TY 2, 24"	0.83	0.91	505.81	505.97	445+58.63	18.9	36.1	43	RCP, TY 1, 42"	0.85	0.81	455.35	455.23									
56+56.84	4.5	10.8	12.6	RCP, TY 2, 24"	0.96	1.05	503.58	503.77	465+77.62	16.4	44.1	51.2	4' X4' RC BOX	0.91	1	447.71	447.99									
66+06.45	1.8	4.8	5.6	RCP, TY 2, 24"	0.6	0.65	500.57	500.68	478+62.55	40.9	75.3	82.3	3' X3' RC BOX	3.85	4.43	449.87	451.02									
71+68.67	1.2	4.3	5	RCP, TY 2, 24"	0.57	0.61	497.35	497.45	485+94.17	39.6	64	74.6	3' X3' RC BOX	2.54	3.15	442.24	443.47									
84+17.63	21.7	71.1	82.9	LINER 32"	1.5	1.8	450.29	451.04	497+51.30	1.2	3.9	4.6	RCP, TY 1, 24"	0.54	0.59	464.37	464.47									
91+54.10	3.4	8.2	9.5	RCP, TY 2, 24"	0.81	0.89	458.86	459.01	502+48.25	9.6	15.5	18.1	RCP, TY 1, 24"	1.2	1.33	451.37	451.63									
92+31.10	5.7	13.7	15.9	RCP, TY 2, 24"	1.11	1.22	460.52	460.75	506+11.84	5	12	0.4	EXIST 24" RCP	1.02	1.12	445.64	445.85									
94+44.43	5.7	13.7	15.9	RCP, TY 2, 24"	1.11	1.22	464.81	465.04	515+31.62	5.8	13.9	16.2	RCP, TY 2, 24"	1.12	1.24	434.11	434.35									
98+78.80	24.2	58.2	67.7	7' X4' PRECAST BOX	0.56	0.62	470.59	470.85	518+16.04	2.8	5.2	6	EXIST 24" RCP	0.63	0.68	432.21	431.31									
122+08.91	4.6	12.4	14.4	RCP, TY 2, 24"	1.04	1.15	514.2	514.41	522+61.07	2.1	5.6	6.6	RCP, TY 2, 24"	0.65	0.72	427.81	427.93									
133+80.17	5	16.4	19.1	RCP, TY 2, 18"	2.91	3.72	512.04	513.34	526+76.83	1.8	4.8	5.6	RCP, TY 2, 24"	0.6	0.65	427.23	427.34									
140+15.21	2.8	10	11.8	RCP, TY 2, 18"	1.47	1.8	522.8	523.3	531+18.16	43.4	75	87.3	LINER 32"	4.67	6.14	386.69	390.38									
154+88.28	4.8	6.7	7.8	RCP, TY 1, 24"	0.72	0.79	516.46	516.59	POPE CO.																	
165+52.13	2.8	9.2	10.7	RCP, TY 2, 24"	0.87	0.95	508.45	508.61	544+89.97	10.2	24.5	28.5	10' X4' RC BOX	0.25	0.28	380.55	380.66									
167+85.33	14.6	35.1	40.8	RCP, TY 2, 48"	0.69	0.75	503.05	503.3	560+65.33	0.4	1.4	1.7	RCP, TY 2, 24"	0.31	0.34	434.92	434.99									
193+08.45	47.7	101.3	117.7	6' X5' RC BOX	0.72	0.8	508.41	508.79	563+14.68	0.8	2.9	3.4	RCP, TY 1, 24"	0.46	0.5	444.73	444.82									
200+26.46	14.6	26.9	31.3	RCP, TY 1, 42"	0.72	0.78	507.81	508.04	570+98.99	4.3	11.6	13.4	LINER 16"	3.49	4.44	439.71	440.9									
206+74.19	3.1	7.5	8.7	RCP, TY 1, 15"	1.85	2.26	513.65	514.17	575+56.60	12.9	23.7	27.6	5' X5' RC BOX	0.31	0.34	420.61	420.77									
209+55.05	5.1	10.8	12.6	RCP, TY 1, 24"	0.96	1.05	511.84	512.03	583+43.71	4.06	5.96	7.12	RCP, TY 4, 15"	1.41	1.73	433.26	433.66									
215+35.64	9.3	16.1	18.7	RCP, TY 2, 36"	0.67	0.73	495.81	495.99	585+86.70	5	12	14	RCP, TY 3, 15"	4.03	6.06	435.18	437.71									
221+03.26	19.9	34.4	40	RCP, TY 3, 48"	0.83	0.91	491.33	491.6	589+06.57	2.4	7.9	9.2	EXIST 15" RCP	1.96	2.43	434.73	435.32									
226+78.57	3.8	9.1	10.6	RCP, TY 2, 24"	0.86	0.95	496.14	496.3	593+36.25	2.5	8.2	9.6	RCP, TY 2, 24"	0.81	0.89	432.91	433.07									
255+45.86	2.8	9.2	10.7	RCP, TY 1, 24"	0.87	0.95	471.79	471.95	595+08.32	1.7	4.6	5.3	RCP, TY 2, 15"	1.17	1.29	439.6	439.75									
256+75.36	2.7	9.6	11.3	RCP, TY 1, 24"	0.89	0.98	476.45	476.64	597+82.20	9.2	19.5	22.7	LINER 42"	0.75	0.81	431.89	432.09									
274+50.81	2.2	5.3	6.2	RCP, TY 2, 18"	0.96	1.06	486.99	487.14	604+58.54	6	14.4	16.8	RCP, TY 2, 18"	2.4	3.04	445.01	445.97									
305+61.10	136.3	167	167	8.5' X4.5' RC BOX	1.03	1.03	451.57	451.57	607+58.17	4.5	16.1	18.9	RCP, TY 3, 15"	2.85	3.68	446.08	447.33									
314+02.38	154.8	189.6	189.6	10' X7' RC BOX	0.56	0.56	438.14	438.14	615+34.31	69.2	49.9	58.4	5' X4' RC BOX	0.85	0.94	428.7	428.98									
318+92.00	15.3	32.5	37.8	RCP, TY 2, 36"	1.01	1.11	434.69	434.99	621+20.59	22.3	33.6	39.1	RCP, TY 2, 36"	1.03	1.13	430.53	430.84									
329+80.22	22.8	42	48.8	RCP, TY 2, 36"	1.19	1.32	427.16	427.54	631+65.86	55	132.2	153.8	5' X4' RC BOX	1.63	1.88	424.82	425.59									
337+95.30	78.3	56.5	66	8' X6' RC BOX	0.33	0.37	413.45	413.67	637+80.00	1.25	2.54	3.02	RCP, TY 1, 24"	0.4	0.47	442.08	442.22									
344+52.79	48	66.9	77.8	4' X4' RC BOX	1.2	1.33	425.6	425.98	646+86.80	5.6	13.5	15.7	RCP, TY 1, 30"	0.78	0.86	429.86	430.04									
355+78.99	98.9	71.3	83.4	6' X5' RC BOX	0.57	0.64	406.28	406.59	652+31.20	28.9	61.4	71.3	5' X5' RC BOX	0.58	0.64	408.58	408.88									
386+00.00	4.19	7.69	8.89	RCP, TY 1, 24"	0.78	0.85	425.3	425.43	657+67.24	20.6	31	36.1	3' X3' RC BOX	1.31	1.44	408.24	408.52									
393+52.04	4.8	15.7	18.3	RCP, TY 2, 24"	1.21	1.35	378.65	378.92	671+01.31	89.7	125	145.4	EXIST 6' X6' RC BOX	0.69	0.77	389.35	389.79									
398+32.93	1.7	5.6	6.5	RCP, TY 1, 24"	0.65	0.71	381.13	381.24																		
399+75.24	2.7	8.8	10.3	RCP, TY 2, 24"	0.85	0.93	380.13	380.3																		

PLOT DATE = 8/7/2008  
 FILE NAME = c:\prowork\mca\prowork\98542\98542.dwg  
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