

RESOLUTION NO. 2009-342

SPONSOR Mr. Pry

DATE September 28, 2009

COMMITTEE Public Works

**A Resolution authorizing the County Executive to enter into a Water Pollution Control Loan Fund ("WPCLF") Agreement, and any other documents necessary to apply for and receive a WPCLF loan, in an amount not to exceed \$247,550.00 for the Q-947 Project rehabilitation and repair of various manholes owned and operated by the County of Summit through its Department of Environmental Services ("DOES"), for the Executive's Department of Environmental Services, and declaring an emergency.**

WHEREAS, various manholes owned and operated by the County of Summit through the Executive's DOES are in need of rehabilitation and repair; and

WHEREAS, the County intends to apply for WPCLF funds, in an amount not to exceed \$247,550.00 for the planning, design and/or construction of the wastewater facilities, namely the Q-947 Project for rehabilitation and repair of certain manholes owned and operated by the County of Summit through DOES; and

WHEREAS, the Ohio WPCLF requires the government authority to pass legislation for application of a loan and the execution of an agreement as well as designating a dedicated repayment source; and

WHEREAS, this Council finds and determines, after reviewing all pertinent information, that it is necessary and in the best interest of the County to authorize the Executive to execute the aforementioned WPCLF Agreement;

NOW, THEREFORE, BE IT RESOLVED by the Council of the County of Summit, State of Ohio, that:

#### SECTION 1

The County Executive be and is hereby authorized to apply for a WPCLF loan, and execute a WPCLF Agreement and any documents necessary to apply for and receive a WPCLF loan, in an amount not to exceed \$247,550.00, with the Ohio Environmental Protection Agency and the Ohio Water Development Authority for planning, design and/or construction of wastewater facilities on behalf of the County of Summit, namely the Q-947 Project for rehabilitation and repair of certain manholes owned and operated by the County of Summit through the Executive's DOES.

#### SECTION 2

It is estimated that the total cost of Project will not exceed \$247,550.00. The interest rate for the 20-year loan shall not exceed six percent per year. The dedicated source of repayment will be the Sanitary Sewer Enterprise Fund.

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SECTION 3

This Resolution is hereby declared an emergency in the interest of the health, safety, and welfare of the citizens of the County of Summit, and for the further reason that it will immediately allow the County to obtain funds to make needed repairs to certain manholes in the County's sanitary sewer system.

SECTION 4

Provided this Resolution receives the affirmative vote of eight members, it shall take effect immediately upon its adoption and approval by the Executive; otherwise, it shall take effect and be in force at the earliest time provided by law.

SECTION 5

It is found and determined that all formal actions of this Council concerning and relating to the adoption of this Resolution were adopted in an open meeting of this Council, and that all deliberations of this Council and any of its committees that resulted in such formal action, were in meetings open to the public, in compliance with all legal requirements, including Section 121.22 of the Ohio Revised Code.

INTRODUCED September 14, 2009

ADOPTED September 28, 2009

  
CLERK OF COUNCIL

  
PRESIDENT OF COUNCIL

APPROVED September 28, 2009

  
EXECUTIVE

ENACTED EFFECTIVE September 28, 2009

Voice Vote: 8-0 YES: Comunale, Crawford, Crossland, Feeman, Kostandaras  
Prentice, Schmidt, Smith ABSENT: Shapiro, Poda, Rodgers



MANHOLE REHABILITATION  
(2009)

09-342

GREEN (pg.3) - Pickle Road

Manhole ID	Top	Lowest Invert	Line Direction	Lines	mat	invert-ft	depth to invert-ft	Location	In Road	In Road	Estm
GBSA	1156.50	1135.43	NSE	2-24"	PVC	21.07	04-608	road	X		
GBRZ	1159.50	1134.38	S/NW	2-24"	PVC	25.12	04-608	road	X		
GBRY	1160.50	1133.33	W/SE	2-24"	PVC	27.17	04-605	3' west of		60'	X
GBRX	1145.00	1130.51	E/W	2-24"	PVC	14.49	04-605	backyard of Backch Circle		30'	X
GBRW	1138.00	1115.07	E/W	2-24"	PVC	22.93	04-605	backyard of 3205 Dunbar Ave			X
GDCQ	1123.42	1110.64	E/W	2-24"	PVC	12.78	04-606	6' south of 1100 South			X
	1111.97		N	1-8"		11.45					

PICKLE ROAD

GREEN (pg.13) - Steese/Massillon

Manhole ID	Top	Lowest Invert	Line Direction	Lines	mat	invert-ft	depth to invert-ft	Location	In Road	In Road	Estm
GAMJ	1220.95	1211.14	E	18"	VSP	9.81	04-150	off road in front of 400 Steese Rd		60'	X
		1214.95	W	12"	Fmain	6.00		off road in front of 400 Steese Rd			
GAMK	1222.80	1210.36	E/W	2-18"	VSP	12.54	04-150	off road by home	X		
GAML	1219.99	1209.20	E/W	2-18"	VSP	10.79	04-150	off road by home	X		
GALV	1219.96	1207.56	N	24"	VSP	12.40	04-150	off road by home	X		
		1207.72	W	18"		12.24	04-150	off road by home			
		1208.96	S	8"		11.00	04-150	off road by home			
		1209.91	S	10"	Fmain	10.09	04-150	off road by home			
GALW	1226.11	1206.46	S	24"	RCP	19.65	04-148	off road	X		
		1207.81	E	8"	stab	18.30					
GALX	1227.27	1206.33	S/N	2-24"	RCP	21.94	04-148	off road	X		
GALY	1226.37	1204.27	NS	2-24"	RCP	22.10	04-148	in road intersection with 400 Steese Rd	X		
		1204.10	E	8"	PCV	22.27					
		1205.55	W	8"	PVC	20.82					

1800 STEESE Rd.

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# MANHOLE REHABILITATION

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# 09-342

**GREEN (pg.13) - Steese/Massillon**

MANHOLE	3 - Manholes		
	Line Direction	Line	Depth to Top of Invert
<b>GALZ</b>	N/S	2-24" RCP	24.54
<b>GAMA</b>	N/S	2-24" RCP	22.58
<b>GAMB</b>	N/S	2-24" RCP	21.29

**SPRINGFIELD (pg.2) - Cheney/Edgebrook**

MANHOLE	1 - manhole		
	Line Direction	Line	Depth to Top of Invert
<b>KADW</b>	E	24" VCP	17.99
	W	30" VCP	18.44
	N	15" VCP	
	S	8" VCP	

**TALLMADGE (p15) - Washburn Rd.**

MANHOLE	6 - Manholes		
	Line Direction	Line	Depth to Top of Invert
<b>ZANL</b>	N	1-12" ABS	9.65
	S	1-10"	2.80
<b>ZANM</b>	N/S	2-12" ABS	8.77
<b>ZANN</b>	N/S	2-12" ABS	15.43
<b>ZANP</b>	N/S	2-12" ABS	11.87
	E	8" PVC	11.89
<b>ZANQ</b>	N/S	2-12" ABS	10.88
<b>ZANB</b>	W/S	2-12" ABS	13.84
	N	8"	13.02

**Problems (As of)**

Field View	H2S Top	H2S Bottom	Hole in Lid	Lid above ground	Max Dish	Castling	Max Chim Seal	Grade Rings	Concrete Riser	Showing	Leaks
4-09	no	solid	--	no	ok	no	no	ok	scaling	ok	no
4-09	no	solid	--	no	ok	no	no	ok	scaling	ok	no
4-09	no	solid	--	no	ok	no	no	ok	scaling	ok	no

**Problems (As of)**

Field View	H2S Top	H2S Bottom	Hole in Lid	Lid above ground	Max Dish	Castling	Max Chim Seal	Grade Rings	Concrete Riser	Showing	Leaks
4-09	no	solid	Yes	2 ft above	no	ok	no	no	brick	ok	X

**Problems (As of)**

Field View	H2S Top	H2S Bottom	Hole in Lid	Lid above ground	Max Dish	Castling	Max Chim Seal	Grade Rings	Concrete Riser	Showing	Leaks
11-08	solid	solid	--	3 in above	yes	no	no	3-4	scaling gasket	X-1	X-1
11-08	solid	solid	--	level to 1 in above	no	no	no	2-3	scaling gasket	X-1	X-1
11-08	solid	solid	--	level	no	no	no	1	gasket	X-1	X
11-08	solid	solid	--	1 in above	no	no	no	2-3	gasket	X-1	X
11-08	solid	solid	--	level	no	no	no	2-3	gasket	X-1	X

**Repair Required**

Grade	Repair
3	Grou/Foam= Gasket Patching= Coating= Liner / Inserts= - Full interior wash down - Full interior cementitious coating - Full interior polyurea coating - Full interior wash down - Full interior cementitious coating - Full interior polyurea coating - Full interior wash down - Full interior cementitious coating - Full interior polyurea coating - Full interior wash down - Full interior cementitious coating - Full interior polyurea coating

**Repair Required**

Grade	Repair
3	Grou/Foam= Gasket Patching= Coating= Liner / Inserts= - Full interior wash down - Foam sealant at leaks - Full interior cementitious coating - Full interior primer coating - Full interior polyurea coating

**Repair Required**

Grade	Repair
3	Grou/Foam= Gasket Patching= Coating= Liner= - Full interior wash down - Full seam gasket patching - Full interior cementitious coating - Full interior primer coating - Full interior polyurea coating - Full interior wash down - Foam sealant at leaks - Full seam gasket patching - Full interior cementitious coating - Full interior primer coating - Full interior polyurea coating - Full interior wash down - Foam sealant at leaks - Full seam gasket patching - Full interior cementitious coating - Full interior primer coating - Full interior polyurea coating - Full interior wash down - Foam sealant at leaks - Full seam gasket patching - Full interior cementitious coating - Full interior primer coating - Full interior polyurea coating

MANHOLE REHABILITATION  
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TALLMADGE (p15) - Washburn Rd.

Manhole	Line Direction	Lines	mat	invert	depth to invert	Location	in Road
ZANC	EW	2-12"	ABS	1127.93	10.67	28-205	25'
ZAND	EW	2-12"	ABS	1125.39	12.11	28-205	X
ZANE	N	8"	STUB	1124.96	18.88	28-204	X
ZANF	EW	2-12"	ABS	1121.20	11.80	28-204	X

WASHBURN Rd. Easement (west)

NORTHAMPTON (pg 16) - State/Graham

Manhole	Line Direction	Lines	mat	invert	depth to invert	Location	in Road
NAPH	W	12"	VSP	959.48	7.52	20-032	X
NAMF	NSW	2-36"	drop	965.00	2.00	20-023	X
	E	12"	CI	953.00	14.13	20-024	
	W	8"	PVC Drop	953.56	13.57	21-213	

43 GRAHAM ( Behind )

HUDSON (pg 8) - Granby/Weymouth

Manhole	Line Direction	Lines	mat	invert	depth to invert	Location	in Road
HDVA	W	12"	ABS	1060.65	16.79	40-474	X
	E	8"	ABS	1062.94	14.50	40-474	
	S	8"	ABS	1060.98	16.46	40-474	
HDUP	NW/S	2-12"	ABS	1060.27	13.18	40-474	X
HDUS	E/S	2-12"	PVC	1059.10	25.30	40-474	X

Off of Stonington Drive

Field view	H2S smell	Top Lid	Hole in Lid	Lid above ground	Inv. Dish	Coating	Inv. Chim Seal	Grade Rings	Concrete Riser	Bench	Showing scale gasket	Leaks	Notes
11-08	X	solid	Yes	6 in above	NO	NO	NO	1	scaling				H2S problem associated with 10" force main from PST into manhole ZANI. PS79 repairs a 6" force main PS80. PS80 receives 6" from PS84. -locking lid broken -H2S, wall crumbling creates 45deg effect on bench -white scales 5' up from bench
11-08		solid	..	level to 1 in below	NO	NO	NO	3-4	scaling			X	-leaking (flowing in) around W 12" pipe -white scales 5' up from bench
11-08		lock solid	Yes	2 in above	NO	NO	NO	1	scaling				-locking lid broken -white corrosion 5' up from bench -no scaling
11-08		lock solid	Yes	2 in above	NO	NO	NO	3-4				X	-locking lid broken -leaking in at top of West 12" pipe

Field view	H2S smell	Top Lid	Hole in Lid	Lid above ground	Inv. Dish	Coating	Inv. Chim Seal	Grade Rings	Concrete Riser	Bench	Showing scale gasket	Leaks	Notes
2-09	NO	locking	Yes	2 in above	NO	poor	NO	brick missing	brick	iron	no		-brick manhole with grout missing between brick -by creek -outside concrete casing cracked-broken brick -in very poor condition
2-09	NO	locking	Yes	2 in above	NO	poor	NO	NO	see notes	?	no	X	-manholes interior may have a coating could not tell -leaking at or around pipe coming from west

Field view	H2S smell	Top Lid	Hole in Lid	Lid above ground	Inv. Dish	Coating	Inv. Chim Seal	Grade Rings	Concrete Riser	Bench	Showing scale gasket	Leaks	Notes
2-09	no	solid	..	level	no	ok	NO	brick	brick	iron orange stained		X	-has 1" stream of water leaking in on SE side of bench -iron droppings out on bench
2-09	no	locking	Yes	1 in below	no	ok	YES	ok	iron stained	iron wet		X	-leaking in at 1" barrel joint 4' above bench (iron droppings out) -roots coming in under chimney seal
3-09	no	locking	Yes	2 in above	no	ok	YES	ok	wet iron orange stain	well iron stain		X	-1" barrel ring up from bench has heavy iron stain and minor leak -2" ring up has a little iron stain

Repair Required	Grade
Grou/Foam= Gasket Patching= Coating= Liner / Inserts=	
- Full interior wash down - Full interior cementitious coating - Full interior primer coating - Full interior polyurea coating	3
- Full interior wash down - Foam sealant at leaks - Full interior cementitious coating - Full interior primer coating - Full interior polyurea coating	3
- Full interior wash down - Full interior cementitious coating - Full interior primer coating - Full interior polyurea coating	2
- Full interior wash down - Foam sealant at leaks - Full interior cementitious coating - Full interior primer coating - Full interior polyurea coating	3

Repair Required	Grade
Grou/Foam= Gasket Patching= Coating= Liner / Inserts=	
- Full interior and exterior wash down - Full interior and exposed exterior calcium aluminate cementitious coating - Full interior and exposed exterior primer coating - Full interior and exposed exterior polyurea coating	3
- Full interior wash down - Foam sealant at leaks - Full interior cementitious coating - Full interior primer coating - Full interior polyurea coating	3

Repair Required	Grade
Grou/Foam= Gasket Patching= Coating= Liner / Inserts=	
- Full interior wash down - Foam sealant at leaks - Full interior cementitious coating - Full interior primer coating - Full interior polyurea coating	3
- Full interior wash down - Foam sealant at leaks - Full interior cementitious coating - Full interior primer coating - Full interior polyurea coating	3
- Full interior wash down - Foam sealant at leaks - Full interior cementitious coating - Full interior primer coating - Full interior polyurea coating	3

TOTAL= 735.68 VF. AVG. DEPTH= 16.35 FT. MEDIAN DEPTH= 15.43 FT.