



ENGINEERING
RESOURCE ASSOCIATES

PRIMARY CONTACT:

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HOURS AND FEES SUMMARY FOR:

Stormwater Master Plan Phase I

PREPARED FOR:

Ken Dado
Utilities Operations Manager
Village of Orland Park
15655 S. Ravinia Avenue
Orland Park, IL 60462

DUE:

June 28, 2021 at NOON

EXHIBIT F-1

COST ESTIMATE FOR CONSULTANT SERVICES

ROUTE: _____
 PROJECT: Stormwater Master Plan Phase 1
 Municipal Detention Basin Evaluation
 SECTION: _____
 COUNTY: Village of Orland Park
 JOB NO.: _____

CONSULTANT: Engineering Resource Associates, Inc.

DATE: 06/28/2021

OVERHEAD RATE: Overhead and Profit Included in Hourly Rates COMPLEXITY FACTOR: 0

ITEM	MANHOURS (A)	FEE (B)	OVERHEAD & FRINGE BENEFIT (C)	IN-HOUSE DIRECT COSTS (D)	FIXED FEE (E)	SERVICES BY OTHERS (F)	TOTAL (G)	% OF GRAND TOTAL (H)
1. Meetings and Coordination	36	\$5,400.00	-		-		\$5,400.00	2.9%
2. Review of Available Data/Data Collection	112	\$10,240.00	-		-		\$10,240.00	5.6%
3. Site Inspections	700	\$60,120.00	-		-		\$60,120.00	32.6%
4. Deficiency Matrix	76	\$7,720.00	-		-		\$7,720.00	4.2%
5. Resolution Alternatives	248	\$30,480.00	-		-		\$30,480.00	16.5%
6. Prioritization Matrix	60	\$6,960.00	-		-		\$6,960.00	3.8%
7. Estimate of Costs	160	\$17,120.00	-		-		\$17,120.00	9.3%
8. GIS & Asset Management	108	\$11,200.00	-		-		\$11,200.00	6.1%
9. Basin Technical Reports	296	\$32,640.00	-		-		\$32,640.00	17.7%
Printing, Postage, Mileage				\$2,500.00			\$2,500.00	1.4%
<i>Future Phase 2 Master Plan Estimated Engineering Budget (Not included in Phase 1 Fee)</i>		\$400,000						
PHASE 1 MASTER PLAN TOTALS	1796	\$181,880.00	-	\$2,500.00	-	\$0.00	\$184,380.00	100.0%

EXHIBIT F-2
AVERAGE HOURLY RATES

CONSULTANT: Engineering Resource Associates, Inc.

ROUTE: _____

PROJECT: Stormwater Master Plan Phase 1

Municipal Detention Basin Evaluation

DATE: 06/28/2021

SECTION: _____

COUNTY: Village of Orland Park

JOB NO.: _____

SHEET 1 OF 3

PAYROLL CLASSIFICATION	HOURLY RATE	Meetings and Coordination			Review of Available Data/Data Collection			Site Inspections			Deficiency Matrix		
		HOURS	% PART	WGTD RATE	HOURS	% PART	WGTD RATE	HOURS	% PART	WGTD RATE	HOURS	% PART	WGTD RATE
PROJECT DIRECTOR	\$175.00												
PROJECT MANAGER	\$160.00	12	33.3%	\$53.33	8	7.1%	\$11.43	16	2.3%	\$3.66	4	5.3%	\$8.42
SENIOR PROJECT ENGINEER	\$140.00	12	33.3%	\$46.67				24	3.4%	\$4.80	16	21.1%	\$29.47
STRUCTURAL ENGINEER	\$155.00												
PROJECT ENGINEER	\$110.00							60	8.6%	\$9.43			
DESIGN ENGINEER	\$90.00												
ENVIRONMENTAL DIRECTOR	\$150.00	12	33.3%	\$50.00				40	5.7%	\$8.57			
SENIOR CAD TECHNICIAN	\$105.00												
CAD/GIS TECHNICIAN	\$90.00				24	21.4%	\$19.29				16	21.1%	\$18.95
PROFESSIONAL LAND SURVEYOR	\$120.00												
SURVEY CREW CHIEF	\$85.00												
ENGINEER TECHNICIAN	\$55.00							200	28.6%	\$15.71			
STAFF ENGINEER/INSPECTOR	\$85.00				80	71.4%	\$60.71	360	51.4%	\$43.71	40	52.6%	\$44.74
TOTALS		36	100.0%	\$150.00	112	100.0%	\$91.43	700	100.0%	\$85.89	76	100.0%	\$101.58

EXHIBIT F-2
AVERAGE HOURLY RATES

CONSULTANT: Engineering Resource Associates, Inc.

ROUTE: _____

PROJECT: Stormwater Master Plan Phase 1

Municipal Detention Basin Evaluation

DATE: 06/28/2021

SECTION: _____

COUNTY: Village of Orland Park

JOB NO.: _____

SHEET 2 OF 3

PAYROLL CLASSIFICATION	HOURLY RATE	Resolution Alternatives			Prioritization Matrix			Estimate of Costs			GIS & Asset Management		
		HOURS	% PART	WGTD RATE	HOURS	% PART	WGTD RATE	HOURS	% PART	WGTD RATE	HOURS	% PART	WGTD RATE
PROJECT DIRECTOR	\$175.00												
PROJECT MANAGER	\$160.00	8	3.2%	\$5.16	4	6.7%	\$10.67	8	5.0%	\$8.00	4	3.7%	\$5.93
SENIOR PROJECT ENGINEER	\$140.00	40	16.1%	\$22.58	16	26.7%	\$37.33	16	10.0%	\$14.00	24	22.2%	\$31.11
STRUCTURAL ENGINEER	\$155.00												
PROJECT ENGINEER	\$110.00	160	64.5%	\$70.97	24	40.0%	\$44.00	40	25.0%	\$27.50			
DESIGN ENGINEER	\$90.00												
ENVIRONMENTAL DIRECTOR	\$150.00	40	16.1%	\$24.19				16	10.0%	\$15.00			
SENIOR CAD TECHNICIAN	\$105.00												
CAD/GIS TECHNICIAN	\$90.00				16	26.7%	\$24.00				80	74.1%	\$66.67
PROFESSIONAL LAND SURVEYOR	\$120.00												
SURVEY CREW CHIEF	\$85.00												
ENGINEER TECHNICIAN	\$55.00												
STAFF ENGINEER/INSPECTOR	\$85.00							80	50.0%	\$42.50			
TOTALS		248	100.0%	\$122.90	60	100.0%	\$116.00	160	100.0%	\$107.00	108	100.0%	\$103.70

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CONSULTANT: Engineering Resource Associates, Inc.
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Municipal Detention Basin Evaluation

DATE: 06/28/2021

SHEET 3 OF 3

PAYROLL CLASSIFICATION	HOURLY RATE	Basin Technical Reports			0			Printing, Postage, Mileage			0		
		HOURS	% PART	WGTD RATE	HOURS	% PART	WGTD RATE	HOURS	% PART	WGTD RATE	HOURS	% PART	WGTD RATE
PROJECT DIRECTOR	\$175.00												
PROJECT MANAGER	\$160.00	8	2.7%	\$4.32									
SENIOR PROJECT ENGINEER	\$140.00	24	8.1%	\$11.35									
STRUCTURAL ENGINEER	\$155.00												
PROJECT ENGINEER	\$110.00	160	54.1%	\$59.46									
DESIGN ENGINEER	\$90.00												
ENVIRONMENTAL DIRECTOR	\$150.00	24	8.1%	\$12.16									
SENIOR CAD TECHNICIAN	\$105.00												
CAD/GIS TECHNICIAN	\$90.00												
PROFESSIONAL LAND SURVEYOR	\$120.00												
SURVEY CREW CHIEF	\$85.00												
ENGINEER TECHNICIAN	\$55.00												
STAFF ENGINEER/INSPECTOR	\$85.00	80	27.0%	\$22.97									
TOTALS		296	100.0%	\$110.27	0	0.0%	\$0.00	0	0.0%	\$0.00	0	0.0%	\$0.00