



June 5, 2023
2312068.18

Hemant Patel, PE
City Engineer
City of Parma
6611 Ridge Road
Parma, Ohio 44129

Snow Road Rehabilitation – PID 113151 – Ridge Road to State Road (Revised Scope and Fee Proposal)

Attn: Scott Wangler, PE
Assistant City Engineer

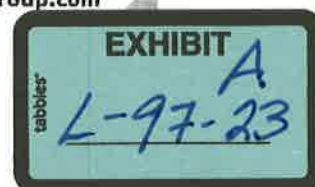
Dear Mr. Wangler,

GPD Group is pleased to provide this fee proposal for engineering design services for plan development for the Snow Road Rehabilitation project, PID 113151. We have developed a project scope and fee estimate, including a probable construction cost estimate, based upon our familiarity with the project needs and goals. This proposal is for engineering services to provide necessary survey, geotech, preliminary and final plan preparation, probable cost estimating, assistance during the bidding process, and LPA coordination efforts on an as requested basis during construction of the project. The following is a summary of the proposed project scope and our associated fee proposal.

The intent of this project is to repair and resurface Snow Road (CR-87) from Ridge Road to State Road. The existing asphalt overlay will be removed to the concrete base, partial and full depth base repairs will be performed, and two courses of asphalt pavement will be paved upon the repaired base. Existing utilities will be adjusted or reconstructed to grade as necessary. Additionally, the project will install new ADA compliant curb ramps (as well as provide survey and exhibits, as needed, for any required easements to construct the curb ramps), replace curb and sidewalk associated with curb ramp construction, replace defective curb, and project impacted drive aprons, and replace loop detectors damaged during the resurfacing process. Pavement markings will be reestablished to match existing conditions, and traffic control signs will be replaced in-kind only as necessary to comply with retro-reflectivity requirements. It is anticipated that traffic will be maintained during construction via part-width, phased construction, and the utilization of flaggers.

The project is currently estimated with a probable construction cost of \$2,932,807. A ten percent contingency amount is included in the probable cost estimate. It is our understanding that the City has obtained funding through NOACA in the amount of \$2,098,826 and wishes to obtain additional funding for this project through sources such as Cuyahoga County Public Works and OPWC. Selling and construction of the project will be administered through ODOT's LPA program by the County. Per conversations with the County, the OPWC funding application will be prepared on the City's behalf by the County. As such, this item of work is not included in our revised fee proposal.

In order to prepare construction documents for the above-described improvements in compliance with current ODOT and County standards/requirements, we propose the following scope of services:



A. Survey / Basemapping / Data Collection / Geotechnical Report / NEPA Clearance

1. Existing Plan Research – Available record plans will be reviewed and utilized in preparation of field work activities. GPD is currently in receipt of record plans dated February 2008 as provided by the County.
2. Utility Notification, Data and Coordination – A preplanning request will be called in to OUPS prior to any field activities. Data received from utility owner responses will be processed and incorporated into the project basemapping. In addition, GPD Group will transmit Stage 1 and Stage 3 plans to the utilities for review of facility adjustments. Development of utility Exhibit B form and Utility Note will be completed from correspondence received from utility companies as part of the PS&E plan package.
3. Existing Curb Ramp ADA Compliance Inspection – All existing ramps within the project limits will be inspected for ADA compliance utilizing ODOT's ramp inspection forms and will be replaced. ADA Waivers will be sought from ODOT for curb ramps that cannot meet ADA compliance.
4. Survey (As Needed for ADA Ramp Design) – A two-man survey crew will be utilized to locate top and bottom of curb elevations, locate utility structures, locate all existing topographic features to assist with ADA compliance requirements for curb ramps at all locations per task 3 above. Field location of property pins, in order to establish property lines/existing right-of-way, and assist with any potential required easements, are included in the project scope.
5. Basemapping Production – Existing conditions mapping will be established from a combination of field survey, OGRIPS orthographic imagery, and provided utilities responses (including OUPS). Mapping will be sufficient to provide background for the entirety of the project limits.
6. Pavement Corings, Report and Analysis – Cores will be taken at 400 foot intervals with a total of 17 anticipated core, which will penetrate the entire pavement structure (including subbase), to the subgrade. The resultant report will be reviewed and used by GPD in preparation of the feasibility analysis. Existing pavement composition, thickness, and condition will be examined and documented with core and pavement photo logs.
7. Meeting with the City – A meeting with the City will be scheduled upon completion of the feasibility analysis to discuss the next steps in moving the project forward.
8. Environmental Document – GPD anticipates that this project will meet the thresholds of a Level C1 Categorical Exclusion. It is not anticipated that additional right-of-way will be required to construct ADA compliant curb ramps. However, if right-of-way takes are required, GPD anticipates that this project will meet the threshold of a Level C2 Categorical Exclusion. Environmental efforts will be performed and completed during the Stage 1 process.

B. Stage 1 Design

1. Cuyahoga County Standard Title Sheet – Preliminary title sheet to include project location, limits, description, design designations and exceptions, standard construction drawing table, 2023 Specifications paragraph, plan endorsement note, Earth Disturbed Area list, OUPS ticket numbers, an index of sheets, and Cuyahoga County and City of Parma signatures.
2. Horizontal Alignment and Schematic Plan – The geometric location of the proposed project will be provided including existing roadway alignment data, start work and stop work stations, location of pavement cores, existing culverts, and bridges. Anticipated sheet scale is 1" = 100'.
3. Existing Typical Sections – Sections will be developed from record plan information, field survey, and results of the pavement coring report.

4. Pavement Design, Proposed Typical and Pavement Repair Details – The proposed pavement composition will be identified along with recommended pavement base repair details.
5. General Notes – Cuyahoga County Notes will be included for the purpose of utilities correspondence and coordination.
6. Preliminary Roadway Plan Sheets – Plan sheets will be developed from record plans, aerial imagery, and field survey data at a scale of 1" = 20'. The upper portion of the sheet will contain the roadway plan view while the lower portion of the sheet will provide space for quantity summary tables relative to that sheet (similar to the Ridge Road and West Ridgewood Road Resurfacing plans) Existing utility structures will be provided with dispositions, along with roadway dimensions, existing Right-of-Way, and proposed work limits.
7. ADA Curb Ramp Detailed Design – All curb ramps within the project corridor will be designed in sufficient detail to satisfy ADA, ODOT, and PROWAG requirements. ADA Waivers will be sought from ODOT for curb ramps that cannot meet ADA compliance. ODOT requires this significant level of design during the Stage 1 submittal to identify potential utility impacts, including the need to accommodate traffic signal system adjustments that may be necessary, such as the inclusion of pedestrian pushbuttons and new ped poles, and to verify that all work is within the existing right-of-way limits.
8. Estimated Quantities – A general summary with cross-referenced subsummaries will be provided. These quantities will be utilized to provide the updated construction cost.
9. Conceptual MOT – Typical Section phasing details, along with sequence of construction and MOT notes will be provided.
10. Signing Inventory and Preliminary Recommendations – All existing traffic control signs will be inspected and identified. Recommendations will be made for existing signs to remain, to be removed and replaced, or to be removed and not replaced.
11. Environmental Document – GPD anticipates that this project will meet the thresholds of a Level C1 Categorical Exclusion. It is not anticipated that additional right-of-way will be required to construct ADA compliant curb ramps. However, if right-of-way takes are required, GPD anticipates that this project will meet the threshold of a Level C2 Categorical Exclusion. Environmental efforts will be performed and completed during the Stage 1 process.
12. Probable Construction Cost Update – An updated construction cost will be provided with the Stage 1 plan submittal. The County's standardized itemized estimate will be used.
13. Stage 1 Plan Submittal – Two (2) sets of half-sized plans will be delivered to the City, County and ODOT for review and comment. A digital pdf copy of the entire plan set, including the cost estimate, will also be provided with this submittal. Hard copies of the entire plan set will also be submitted to all utility owners identified in the General Notes section of the plan document.
14. Progress Meetings – One (1) meeting is anticipated.
15. External Funding – It is understood per our conversations that the County will apply for external funding through OPWC on behalf of the City. GPD will provide assistance to the County and City as necessary and as requested during this process.
16. Response to Comments – GPD will provide a Disposition Letter to any preliminary meeting (feasibility analysis) comments, as necessary.

C. Stage 3 Design

1. Title Sheet – This sheet will be updated and finalized to reflect the completed plan sheet components. A full-sized mylar copy (or bond paper copy is acceptable) will be delivered to the City and then will be sent to the County for signatures upon completion and prior to bidding.
2. Schematic Plan – This plan sheet will be updated and finalized based upon the final roadway plan.
3. Typical Sections – The typicals will be updated and finalized accordingly based upon the final plan. "As per plan" details for curb replacement, base repairs, and edge of pavement resurfacing details will be completed and provided as required.
4. General Notes – Cuyahoga County Notes will be completed for all general, roadway, erosion control, drainage, and pavement plan components, including the provision of any necessary "As Per Plan" or environmental notes. Utilities contact list information will be updated as needed.
5. MOT Typical Section Phasing Details and Cuyahoga County Notes – Construction sequence and phasing, restrictions and notes will be updated and finalized based upon owner input, ie police, fire, service, etc.
6. MOT Quantities – All MOT proposed work will be itemized in Cuyahoga County General Notes and carried to the General Summary. MOT items are anticipated to at least consist of LEO with patrol car, traffic compacted surface, asphalt concrete walk, portable changeable message sign, work-zone pavement markings, water and calcium chloride for dust control, roads for maintaining traffic, and asphalt concrete for maintaining traffic.
7. Estimated Quantities – All subsummaries will be updated based upon the final plan components. Subsummaries will be carried to the General Summary. Any items of work that require a breakdown between "Project" versus "Local" participation will be identified and quantified on the final General Summary.
8. Roadway Plan Sheets – The roadway plan sheets will be finalized to reflect all proposed improvements. The following will be included on the plan sheets: plan (top portion of sheet, quantities identified via balloon reference (table at bottom of sheet), centerline identification, curve data, vertical information (as necessary), proposed and existing drainage, construction limits, existing right-of-way and easement lines, and miscellaneous notes and cross references.
9. ADA Compliant Curb Ramp Detailed Design – ODOT and County review comments from Stage 1 will be addressed. Any ramps that are not able to meet design criteria will be filed for an exception through ODOT's waiver process. Individual ODOT waiver forms will be executed for each ramp deemed unable to meet compliance requirements. All existing curb ramps not requiring a waiver will be replaced.
10. Traffic Control Signing Plan – This plan will identify all existing signs to remain, existing signs to be removed, and proposed signs all referenced by station and offset. Signs will only be replaced to meet retroreflectivity requirements as the scope of the project does not include modification to existing traffic controls. Proposed pavement markings will match existing markings in location and type and will be the contractor's responsibility per the general notes. The anticipated plan sheet scale is 1" = 40'.
11. Traffic Control Signing Inventory – See item 10 above.
12. Traffic Control Notes and Details – Cuyahoga County Notes will be provided for all "As Per Plan" items of work as required. Details will be in accordance with ODOT's standard construction drawings.
13. Traffic Control Quantities – Subsummary sheets will be provided identifying all traffic control quantities per plan sheets and carrying the same to the General Summary.

14. Miscellaneous Details – Any project details not covered via state or county standard construction drawings will be provided in the "Miscellaneous Details" section of the plan.

15. Probable Construction Cost Update – The construction cost will be updated to reflect the final plan design and adjusted for inflation to reflect the sale date cost. Project and local amounts will be identified and summarized. The County's standardized itemized estimate will be used.

16. Project Bid Specifications – It is our understanding that this task will be administered through the County. GPD will provide Cuyahoga County's itemized unit price bid sheets and utility proposal note for incorporation into the bid documents.

17. Plan Submittal – Two (2) sets of half-sized plans will be delivered to the City, County, and ODOT for review and comment. A digital pdf copy of the entire plan set, including the cost estimate and Cuyahoga County's itemized unit price bid sheets will also be provided with this submittal. Stage 3 plans will be delivered to the City, County, ODOT and all utility owners identified in the General Notes section of the plan.

18. Disposition Letter to Review Comments – A written letter with disposition to all Stage 1 review comments will be provided with the Stage 3 plan submittal.

19. Progress Meetings – One (1) meeting is anticipated.

20. Exhibit B Form – ODOT's Utility Exhibit B form will be completed and included with the final plan submittal.

D. Final Plan Submittal

1. Disposition Letter to Review Comments – All comments from the Stage 3 plan submittal will be addressed and responded to formally.

2. Final Plan Submittal – Three (3) half-sized hard copy sets and digital files of the Final plans (sign and sealed by a licensed professional engineer), Cuyahoga County's standardized itemized estimate, ODOT and Cuyahoga County standard construction drawings, and updated probable construction cost estimate (signed and sealed by a licensed professional engineer) will be submitted to the City and County. The County will compile and send PS&E submittal to ODOT.

3. Exhibit B Form – ODOT's Utility Exhibit B form will be completed and included with the final plan submittal.

4. AutoCADD Drawing Files – All CADD files will be included with the final plan submittal.

5. Design Assumption List – All design assumptions will be included with the final plan submittal.

E. Bidding Assistance (If Authorized)

1. Pre-Bid Meeting Attendance – Cuyahoga County will host a pre-bid meeting as part of the contract sale process.

2. Assist with RFIs, Clarifications, and Addenda – GPD will be available to assist the County with responses to prebid questions, providing clarifications where necessary, and assisting in the production of Addenda to the bid documents as may be required. The County will perform the contract sale of this project.

F. Ongoing Construction Services (If Authorized)

1. ODOT LPA Assistance – Cuyahoga County is the LPA and will administer construction for this project. Assistance will be provided to the County on an as-requested basis during construction of the project.

G. Schedule

The following is an anticipated schedule for this project:

- Consultant contract and ODOT Scope meeting completion – July 7, 2023
- Stage 1 Submittal for Review – October 27, 2023
- Receipt of Stage 1 Comments – December 15, 2023
- Stage 3 Submittal for Review – April 19, 2024
- Receipt of Stage 3 Comments – May 31, 2024
- Revised Stage 3 Plan Submittal (Pre PSE) – June 28, 2024
- Environmental Document Approval – June 28, 2024
- PSE to ODOT – August 9, 2024
- D12 R/W Certification – August 23, 2024
- Plan Package to Central Office – September 6, 2024
- Federal Authorization – September 20, 2024
- Start Project Sale/Bidding Process – October 11, 2024
- Bid Opening – December 13, 2024
- Construction – April 1 to October 1, 2025

Fee Summary

GPD's Lump Sum Fee proposal for the items of work described herein is estimated to be \$215,328 (see attached "Fee Estimate Proposal" for reference).

The above fee includes all sub-consultant fees and direct reimbursable expenses that may be incurred by GPD. Excluded from the fee are any significant changes to the scope of work that the City may deem necessary as the project progresses.

Thank you for the opportunity to provide this scope and fee proposal. If you have any questions, please do not hesitate to give me a call. We look forward to working with you towards successful completion of this project.

Very truly yours,

GPD Group

Nicholas J. Fini

Digitally signed by Nicholas
J. Fini

Reason: I am the author of
this document

Date: 2023.06.05

14:18:48-04'00'

Nick Fini, PE

Project Manager

Cc: Michael A. Hobbs, PE, PTOE, Principal

Erik Mack, P.E., Cuyahoga County Department of Public Works
Project File

Enclosures:

Fee Estimate Proposal

PID 113151 - Snow Road Rehabilitation - Phase 1 (Ridge to State)

City of Parma, Ohio

1 June 2023

Fee Estimate Proposal



#	ITEM / TASK	PRINCIPAL	PROJECT MANAGER	SENIOR ENGINEER	DESIGN ENGINEER	STAFF ENGINEER	CLERICAL	GEOTECH PM	3 MAN DRILL CREW	SURVEY PM	SURVEYOR	TOTAL HOURS	SUBTOTAL	DIRECT COSTS	SUBCONSULTANTS	TOTAL FEE PROPOSAL
A. Survey / Batemapping / Data Collection / Geotechnical																
1	Existing Plan Research			2		4						5	\$558			\$558
2	Utility Notification, OUPS Call, Data Gathering, and Coordination			2		8						10	\$1,050			\$1,050
3	ADA Curb Ramp Compliance Inspections		2	8	8	16	16					50	\$5,154	\$70		\$5,224
4	Survey (As Needed for ADA Ramp Design)		2							16	60	78	\$8,554	\$140		\$8,694
5	Base Mapping Production		2			40				16	8	66	\$7,378			\$7,378
6	Pavement Corings & Geotechnical Report and Analysis		2	16				8	21		4	51	\$10,746	\$300		\$11,046
7	Boring, Geotechnical Report & Subgrade Recommendations (As Needed)											0	\$0			\$0
8	Progress Meetings (1 Each)	2	2									4	\$760	\$10		\$770
9	Project Administration		8									8	\$1,352			\$1,352
Subtotal Hours =													\$35,652	\$720	\$0	\$36,372

B. Stage 1 Design																
1	Title Sheet			1	2	4						7	\$747			\$747
2	Horizontal Alignment & Schematic Plan			1	6	12						19	\$1,975			\$1,975
3	Existing Typical Sections			1	6	12						19	\$1,975			\$1,975
4	Pavement Design, Proposed Typical Sections & Pavement Repair Details		1	2	6	8						17	\$1,885			\$1,885
5	General Notes - Preliminary for Utilities Coordination			2		8						10	\$1,050			\$1,050
6	Preliminary Roadway Plan Sheets		2	8	20	60						90	\$9,502			\$9,502
7	ADA Compliant Curb Ramp Detail Design: Sheets		4	20	40	140						204	\$21,496			\$21,496
8	Estimated Quantities		1	4	10	40						55	\$5,731			\$5,731
9	Conceptual MOT - Sequence of Construction Notes		2	8	16							26	\$3,178			\$3,178
10	Signing Inventory and Preliminary Recommendations		2	8	16	32						58	\$6,314			\$6,314
11	Preliminary Pavement-Grading Recommendations		6	0	0							0	\$0			\$0
12	Environmental Document (C1)											0	\$0		\$10,000	\$10,000
13	Probable Construction Cost Estimate		2	4	8							14	\$1,758			\$1,758
14	Plan Submittal		2			2	2					6	\$656	\$250		\$906
15	Utilities Correspondence		1				2					3	\$331	\$600		\$931
16	Progress Meetings (1 Each)	2	2									4	\$760	\$20		\$780
17	External Funding - OPWC Application											0	\$0			\$0
18	Project Administration		10									10	\$1,690			\$1,690
Subtotal Hours =													\$89,000	\$070	\$10,000	\$99,998

C. Stage 3 Design																
1	Title Sheet			1		2						3	\$329			\$329
2	Schematic Plan			2		4						6	\$658			\$658
3	Typical Sections			1	4	8						13	\$1,361			\$1,361
4	General Notes		1	2	15	40						59	\$6,131			\$6,131
5	Maintenance of Traffic - Plan		4	20	80							104	\$12,216			\$12,216
6	Maintenance of Traffic Quantities		4	4	20							28	\$3,428			\$3,428
7	Estimated Quantities - Sub and General Summaries		2	6	20	40						70	\$7,542			\$7,542
8	Roadway Plan Sheets with Summaries		2	4	20	60						86	\$8,970			\$8,970
9	ADA Compliant Curb Ramp Detail Design Sheets		4	15	80							100	\$11,684			\$11,684
10	ADA Ramp Easements and Exhibits, As Needed		4							8	15	52	\$5,764			\$5,764
11	ADA Waiver Forms for Non-Compliant Ramps (As Needed)		4	8	16							28	\$3,516			\$3,516

PID 113151 - Snow Road Rehabilitation - Phase 1 (Ridge to State)

City of Parma, Ohio

1 June 2023

Fee Estimate Proposal

GPD GROUP

#	ITEM / TASK	PRINCIPAL	PROJECT MANAGER	SENIOR ENGINEER	DESIGN ENGINEER	STAFF ENGINEER	CLERICAL	GEOTECH PM	3 MAN DRILL CREW	SURVEY PM	SURVEYOR	TOTAL HOURS	SUBTOTAL	DIRECT COSTS	SUBCONSULTANTS	TOTAL FEE PROPOSAL
12	Traffic Control - Signing Plan	\$211	\$159	\$133	\$111	\$58	\$81	\$146	\$320	\$146	\$98.00	96	\$10,372			\$10,372
13	Traffic Control - Signing Inventory		2	4	8	20						34	\$3,718			\$3,718
14	Traffic Control - Notes & Details		2	4	12	24						42	\$4,554			\$4,554
15	Traffic Control - Subsuminaries		2	4	16	24						46	\$4,998			\$4,998
16	Miscellaneous Details		1	2	8	20						31	\$3,283			\$3,283
17	Updated Probable Construction Cost		2	8								11	\$1,613			\$1,613
18	Bid Specification Book (LPA Criteria to be met)											0	\$0			\$0
19	Plan Submittal		2			2	4					8	\$858	\$300		\$1,158
20	Utilities Correspondence		1				2					3	\$331	\$650		\$981
21	Disposition Letter to Review Comments		1	2	8		4					15	\$1,647			\$1,647
22	Progress Meetings (1 Each)		2									4	\$760	\$20		\$780
23	Project Administration		16									16	\$2,704			\$2,704
Subtotal Hours =		3	60	102	328	328	10	0	0	8	16	855	\$96,437	\$970	\$0	\$97,407

D. Final Plan Submittal

1	Disposition Letter to Review Comments		1	2			2					5	\$597			\$597
2	Updated Probable Construction Cost		1	1								2	\$302			\$302
3	Bid Set Plan Submittal (Full and Half Size Sets)					2	2					4	\$558	\$750		\$1,308
4	Bid Set Specification Book Submittal											0	\$0	\$100		\$100
5	Electronic Copy of Entire Final Doc Submittal		1				2					3	\$331			\$331
6	Project Administration		4									5	\$887			\$887
Subtotal Hours =		1	7	3	0	2	6	0	0	0	0	19	\$2,475	\$850	\$0	\$3,325

E. Bidding Assistance

1	Attendance at the pre-bid meeting		4	4			4					12	\$1,532			\$1,532
2	Assist with pre-bid RFI's, clarifications, and issue Addenda as required		4	8			8					20	\$2,388			\$2,388
Subtotal Hours =		0	8	12	0	0	12	0	0	0	0	32	\$3,920	\$0	\$0	\$3,920

F. Ongoing Construction Services

1	OOOT LPA Assistance (As Needed)		2	8	16	4						30	\$4,346			\$4,346
Subtotal Hours =		2	8	16	4	0	0	0	0	0	0	30	\$4,346	\$0	\$0	\$4,346

Total =		10	130	220	470	716	48	6	21	40	88	1,751	\$201,918	\$3,410	\$10,000	\$215,328
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PROBABLE CONSTRUCTION COST (W/O INFLATION) = \$ 2,600,000

FEE (% OF CONSTRUCTION) = 8.3%