Stantec

City of Bayard
FY2022 Transportation Project Fund

N. Foy Roadway and Drainage Design Improvements

Project Scope of Work and Projected Fee

EXISTING CONDITIONS:

The N. Foy Street roadway width varies and has a cumulative length of approximately 1,350 feet. The proposed improvements will be constructed within the corporate limits of the City of Bayard. No additional right-of-way is anticipated for this project and there are no relocations, or right-of-way encroachments. The City of Bayard has no knowledge of hazardous materials usage or contamination of soils or groundwater contamination by hazardous materials within the project area.

There are existing buried utilities within the project area that should remain free and clear as the proposed construction will not have deep soil disturbances in excess of 18 inches.

PROJECT DESIGN / CONSTRUCTION INTENT:

The projected scope of work for the N. Foy Street design will consist of vertical curb and gutter along both sides of the roadway to include new asphalt surfacing from the Housing Authority to N. Foy Street north to City Limits and ~~the west end of Alta Vista Drive to City Limits. Please see attached project aerial highlighting the project~~ area. No ADA ramps or sidewalks will be constructed on this project due to the steep terrain/grades, but drive pads will be constructed.

The goal of the design phase, and ultimate construction, is to enhance safety and quality of vehicular and pedestrian traffic movements within the route and termini, as well as addressing existing drainage issues.

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PROJECT READINESS:

The City of Bayard has issued a Work Order (executed April 9, 2021) to Stantec through a current General Services Agreement to complete the following professional services associated with the N. Foy Street Design project: (1) Project Development/Scoping, (2) Topographic/Utility Location Survey, (3) NMDOT Environmental Certification, and (4) Preliminary Design (to an approximate 30% effort.

Local Government Road Fund Cooperative Agreement, New Mexico Department of Transportation (NMDOT), Control No. HW2L100450 in the amount of $40,000 (NMDOT share 75%, City of Bayard share 25%) for "Engineering services for roadway and drainage improvements within the City limits for paving, drainage, curb and gutter, ADA, and sidewalk improvements for N. Foy Street" is being utilized to pay the professional services identified above.

The City of Bayard is aware that CN HW2L100450 ***cannot*** be utilized as a Match to the Transportation Project Fund project and will be contributing City funds to satisfy the required 5% Match in the amount $3,270.00, if awarded FY2022 TPF funding.

The above services will be completed prior to FY2022 TPF awards being announced, and the City will issue an additional Work Order to Stantec immediately upon execution of a FY2022 TPF Grant Agreement, so that funding can be disbursed immediately. It is projected, that if a TPF Grant Agreement is executed in September 2021; that the Final Design will be completed prior to the end of December 2021 and all TPF funds expended by that timeframe as well.

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FY2022 TPF SUMMARIZED SCOPE OF WORK: Engineering services projected for this project include, may consist of but not limited to, Project Management Assistance, Geotechnical Investigation, Final Drainage Analysis, and Final Design. Following is a brief description of each of these services.

- **Project Management Assistance -** This task includes project management activities necessary to manage and coordinate work towards the completion of the project, including establishing and maintaining the project budget and schedule, preparing monthly invoices and associated project status reports, ensuring quality assurance and quality control reviews occur for each deliverable, coordinating with **City of Bayard** and the funding agency, assisting with the disbursement of project funds for payment for professional services, and providing project close-out assistance.
- **Geotechnical Investigation** – This task will consist of a geotechnical lab conducting field and laboratory analysis of the geotechnical characterization of the existing soils present within the project area to assist in the design phase for subgrade preparation, base course and asphalt thickness requirements.
- **Final Drainage Analysis** – This task will consist of providing a stamped engineering memo that demonstrates the proposed improvements post-development drainage (after construction) will convey storm water flows in same general direction as the pre-development drainage (prior to construction), will identify the flow rate(s), and will also identify any new infrastructure that may be required.
- **Final Design -** This task will include preparing construction drawings, specifications, an opinion of probable construction cost, and front-end documents for the roadway and drainage improvements to a 75% and 100% design effort. Stantec will submit the 75% deliverable to the City of Bayard for review and will facilitate a design review meeting with the City of Bayard to review and discuss any comments received from the City of Bayard. Stantec will address any comments received from the City of Bayard and re-submit the bid documents, plans, and specifications for approval. The Final Design phase will be considered complete upon the City of Bayard's approval.

ESTIMATED FEES:

Below is a summarized breakdown of the proposed engineering Design fee:

1.	Project Management Assistance	$ 2,818.00	
2.	Geotechnical Investigation	$ 4,999.00	
3.	Final Drainage Analysis	$ 10,218.00	
4.	Final Design	$ 42,471.00	
	Subtotal:	$ 60,506.00	
	NMGRT @ 8.0%	$ 4,840.48	(% subject to change)
	City of Bayard FY2022 Total Project Budget:	**$ 65,400.00**	**(rounded)**

City of Bayard FY2022 TPF 95% Grant Amount	$ 62,130.00
City of Bayard FY2022 TPF 5% Matching Requirement	$ 3,270.00



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3400 HIGHWAY 180 EAST SUITE A
SILVER CITY, NEW MEXICO 88061

(575) 538-5395 (OFFICE)
(575) 538-5410 (FAX)

REVISIONS	DRAWING	DWG BY: WDH	SHEET
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DATE MAY 2021	PROJECT N. FOY STREET IMPROVEMENTS		