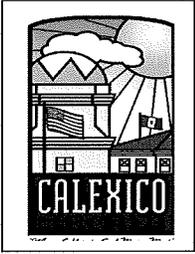


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AGENDA STAFF REPORT

DATE: September 7, 2016

TO: Mayor and City Council

APPROVED BY: Armando G. Villa, City Manager *Armando G. Villa*

PREPARED BY: Nick Fenley, Public Works Manager *Nick Fenley*

SUBJECT: Adopt a Resolution of the City Council of the City of Calexico Authorizing City Manager to Execute Grant Application, Master Agreement and/or any Documentation Pertaining to California Natural Resources Agency and State Water Resources Control Board for the New River Improvement Project – Calexico Area Project Plan.

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Recommendation:

Adopt a Resolution of the City Council of the City of Calexico Authorizing City Manager to Execute Grant Application, Master Agreement and/or any Documentation Pertaining to California Natural Resources Agency and State Water Resources Control Board for the New River Improvement Project – Calexico Area Project Plan.

Background:

In December 2011, the "Strategic Plan: New River Improvement Project" ("Strategic Plan") was submitted by the NRIP Technical Advisory Committee (TAC) to the California-Mexico Border Relations Council (Council), pursuant to AB 1079 (Perez, 2009). The recommendations of the TAC were both regulatory and structural in nature. The Strategic Plan envisions a River Parkway along the New River in the Calexico area. The original structural recommendations for the New River in the Calexico area were a trash collection screen immediately downstream of the Border, a conveyance system, and a disinfection facility. The conveyance system would capture the average flow of the New River immediately downstream from the Border and pipe it to the disinfection facility. On February 1, 2016, the California-Mexico Border Relations Council accepted from the TAC revised recommendations for the Calexico area. Under the revised approach for Calexico, the trash screen and conveyance system remain; and the main changes were to (1) forego the disinfection facility, and (2) use the conveyance system to bypass the proposed Parkway and substantively bypass Calexico so that the water would be discharged at a point that significantly minimizes threat to

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public health (e.g., near Highway 98). This approach would also include re-routing (e.g., by pumping and piping) up to 4 mgd of treated wastewater from the City of Calexico Wastewater Treatment Plant back to the River channel at the Border.

Discussion & Analysis:

The proposed New River Improvement Project (NRIP) for the Calexico area will consist of two (2) phases. Phase 1 will consist of conducting the environmental CEQA/NEPA studies for the construction of and the design of the revised recommended structural components for the New River in the Calexico area:

1. Trash screen for the New River downstream from the Border with Mexico.
2. Conveyance system to pipe the New River wastewater from the Border with Mexico to a point immediately downstream from the crossing of the New River and the All-American Canal.
3. Booster pumping station and associated piping (hereafter "booster pump-back system") to pump treated wastewater from the City of Calexico Wastewater Treatment Plant back to the New River immediately downstream from the Border.

Phase 2 will consists of the installation and construction of the trash screen, booster pump-back system, and the conveyance system.

For Phase 1, staff is proposing to submit grant application through the California Natural Resources Agency and State Water Resources Control Board under Proposition 1 funding. Proposition 1, the Water Quality, Supply, and Infrastructure Improvement Act of 2014 was approved by California voters on November 4, 2014. Proposition 1 authorized \$510 million in Integrated Regional Water Management (IRWM) funding. The Proposition 1 IRWM Grant Program, provides funding for projects that help meet the long term water needs of the state.

Staff recommends that the City Council of the City of Calexico adopt the attached resolution and authorize the City Manager to execute grant application, master agreement and/or any documentation pertaining to California Natural Resources Agency and State Water Resources Control Board for the New River Improvement Project – Calexico Area Project Plan.

Fiscal Impact:

Estimated Project Cost:	
Phase 1	\$1,200,000.00
Phase 2	<u>\$22,100,000.00</u>
Total	\$23,300,000.00

Coordinated With:

California Natural Resources Agency and State Water Resources Control Board

Attachment:

1. Resolution of the City Council of the City of Calexico Authorizing City Manager to Execute Grant Application, Master Agreement and/or any Documentation Pertaining to California Natural Resources Agency and State Water Resources Control Board for the New River Improvement Project – Calexico Area Project Plan.
2. Project Narrative

RESOLUTION NO. 2016-____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CALEXICO AUTHORIZING THE CITY MANAGER TO EXECUTE GRANT APPLICATION, MASTER AGREEMENT AND/OR ANY DOCUMENTATION PERTAINING TO CALIFORNIA NATURAL RESOURCES AGENCY AND STATE WATER RESOURCES CONTROL BOARD FOR THE NEW RIVER IMPROVEMENT PROJECT – CALEXICO AREA PROJECT PLAN

WHEREAS, the City of Calexico is eligible to receive Proposition 1 funding through the California Natural Resources Agency and State Water Resources Control Board for the New River Improvement Project – Calexico Area Project Plan; and

WHEREAS, Grant application, master agreement and/or any documentation need to be executed with the California Natural Resources Agency and State Water Resources Control Board before such funds could be claimed; and

WHEREAS, the City Council of the City of Calexico wishes to delegate authorization to the City Manager be authorized to execute grant application, master agreement and any documentation pertaining to California Natural Resources Agency and State Water Resources Control Board for the New River Improvement Project – Calexico Area Project Plan.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF CALEXICO DOES HEREBY RESOLVE, DECLARE, AND DETERMINE AND ORDER AS FOLLOWS:

1. The City Manager is authorized to execute grant application, master agreement and/or any documentation pertaining to California Natural Resources Agency and State Water Resources Control Board for the New River Improvement Project – Calexico Area Project Plan.

PASSED, APPROVED AND ADOPTED this 7th day of September, 2016.

Luis J. Castro, Mayor

Attest:

Gabriela Garcia, Deputy City Clerk

Approved as to Form:

Carlos Campos, Interim City Attorney

State of California)
County of Imperial) ss.
City of Calexico)

I, Gabriela Garcia, Deputy City Clerk of the City of Calexico do hereby certify the above Resolution No. 2016-__ was approved at a regular City Council meeting held on the 7th day of September 2016, by the following vote to-wit:

AYES:

NOES:

ABSTAIN:

Gabriela Garcia, Deputy City Clerk

NEW RIVER IMPROVEMENT PROJECT – CALEXICO AREA PROJECT PLAN

PROJECT NAME: New River Improvement Project Calexico Area – Phase 1

PROJECT APPLICANTS: City of Calexico

GOALS: The overall goal of this project is to improve water quality in the New River and address the public health threat it poses to California. This project will also assist the City of Calexico—an economically disadvantaged community—develop and implement its River Parkway project and deal with the public health threat that the New River poses to its residents.

SUMMARY PROJECT DESCRIPTION: The New River Improvement Project (NRIP) for the Calexico area has two (2) phases. Phase 1 consists of conducting the environmental California Environmental Quality Act (CEQA) documentation for the construction of and the design of the revised recommended structural components for the New River in the Calexico area: (1) a trash screen for the New River downstream from the Border with Mexico; (2) a conveyance system to pipe the New River wastewater from the Border with Mexico to a point immediately downstream from the crossing of the New River and the All-American Canal; and (3) a booster pumping station and associated piping (hereafter “booster pump-back system”) to pump treated wastewater from the City of Calexico Wastewater Treatment Plant back to the New River immediately downstream from the Border. Phase 2 consists of the installation and construction of the trash screen, booster pump-back system, and the conveyance system. The attached memorandum dated January 11, 2016, from the Colorado River Basin Regional Water Quality Control Board (Regional Water Board) provides more details on the revised recommendations and the NRIP. If awarded, the grant will be used by the City to pay for the design of the trash screen, conveyance system, and pump-back system. It is expected that the cost for preparing the CEQA documentation will be covered by financial contributions from the CMBRC and moneys from Supplemental Environmental Projects.

PROJECT DIRECTOR: Armando Villa, City Manager.

GRANT CONTACT: Armando Villa, City Manager (760) 768-2010; Nick Fenley, Public Works Manager (760) 768-2160, Liliana Falomir, Project Coordinator (760) 768-2160.

PROJECT LOCATION: City of Calexico, Imperial County

SCOPE OF WORK: The City of Calexico will be issuing Request for Proposals for the design of the proposed water quality improvement infrastructure and to assist the City to prepare the CEQA documents for this project. It is expected that three RFPs will be issue: (1) an RFP for the design of the trash screen, (2) an RFP for the design of the conveyance and pump-back systems, and (3) an RFP for the CEQA documentation. The grant will be used for the first two RFPs. The proposed scope of work is as follows:

1. Project Management – Calexico will be lead for all technical and administrative aspect of the project. It will monitor, supervise, and review all work performed; and coordinate budgeting and scheduling to ensure the project is completed within budget, on schedule, and in accordance with approved procedures, applicable laws, and regulations.
 - a. Calexico will notify the Division of Financial Assistance (DFA) staff contact at least fifteen (15) working days in advance of upcoming public meetings, workshops, or trainings related to Technical Assistance Project implementation.
 - b. Calexico will conduct monthly status meetings and quarterly Technical Assistance roundtable meetings with the Regional Water Board and will provide quarterly written progress reports to the Board and DFA.
 - c. Calexico will prepare a Draft Project Summary Report and submit it to DFA on December 1, 2017.
 - d. Calexico will submit a Final Project Summary Report to Region 7 and DFA on April 15, 2018.
2. Technical Assistance
 - a. Infrastructure Design

- i. Pre-planning to identify key stakeholders, field conditions, and field hazards;
- ii. Trash Screen Preliminary Engineering Plans and Specifications
- iii. Conveyance System Engineering Plans and Specifications
- iv. Booster pump-back System Engineering Plans and Specifications
- v. Draft Contracts for installation and construction of infrastructure

BACKGROUND: In December 2011, the “Strategic Plan: New River Improvement Project” (“Strategic Plan”) was submitted by the NRIP Technical Advisory Committee (TAC) to the California-Mexico Border Relations Council, pursuant to AB 1079 (Perez, 2009). The recommendations of the TAC were both regulatory and structural in nature. The Strategic Plan envisions a River Parkway along the New River in the Calexico area¹. The original structural recommendations for the New River in the Calexico area were a trash collection screen immediately downstream of the Border, a conveyance system, and a disinfection facility. The conveyance system would capture the average flow of the New River immediately downstream from the Border and pipe it to the disinfection facility. The TAC prepared and the CMBRC accepted on February 1, 2016, revised recommendations for the Calexico area. Under the revised approach for Calexico, the trash screen and conveyance system remain; and the main changes were to (1) forego the disinfection facility, and (2) use the conveyance system to bypass the proposed Parkway and substantively bypass Calexico so that the water would be discharged at a point that significantly minimizes threat to public health (e.g., near Highway 98). This approach would also include re-routing (e.g., by pumping and piping) up to 4 mgd of treated wastewater from the City of Calexico WWTP back to the River channel at the Border.

PROJECT COSTS: The total projected cost for Phase 1 of this project is projected at \$1.2M. The City of Calexico has been designated by CalEPA as an economically disadvantaged community. Calexico is seeking \$500,000 under Proposition 1 to carry out the design of infrastructure recommended for Calexico. The City will enter into competitive bidding contracts to hire a consulting firm for the design of the infrastructure and to complete the environmental documentation for Phase 1. The CMBRC is exploring funding options to make up for the remaining \$700,000 to cover the additional anticipated costs for Phase 1, including financial contributions from members of the CMBRC and funds from Supplemental Environmental Project. The Regional Water Board and the Department of Toxic Substances Control El Centro CUPA Office will each provide \$50,000 in in-kind services to complete Phase 1. Table 1, below, shows the overall costs for Phases 1 and 2. Attachment 1 provides Concept Proposal Summary Budget. Attachment 2 provides the City’s costs to manage the grant and the environmental documentation.

Table 1 – New River Improvement Project Calexico Area			
Phase	Project	Location	Projected Cost
Phase 1: Planning and Design	Design for Trash Screen, Conveyance System, and booster pump-back system	City of Calexico	\$800,000
	CEQA Documentation	City of Calexico	\$400,000
Phase 2: Construction	Trash Screen	Calexico, immediately downstream of US-Mexico Border	\$4,000,000

¹ Construction of the essential components of the River Parkway—a pedestrian and bicycle pathway—is under way and being funded by a \$4.2M federal grant and \$800,000 from Prop 84.

Table 1 – New River Improvement Project Calexico Area			
Phase	Project	Location	Projected Cost
	New River Conveyance System	Calexico, from the Border to approximately City of Calexico WWTP	\$17,000,000 ²
	Pump-back system for Treated Wastewater from Calexico WWTP	City of Calexico WWTP booster pump, plus piping back to the Border	\$1,100,000
Total for Calexico			\$23,300,000

PROJECT DELIVERABLES, MILESTONES AND SCHEDULE: The proposed Project will start immediately right after the grant is awarded and Agreements for the disposition of the grant and contributions from the CMBRC are finalized. The Project will be completed with the requested grant, the financial contribution from the CMBRC, and the above-mentioned in-kind services by April 2018. Table 2, below, shows the key milestones and deadlines to complete the project.

Table 2 – Project Milestones and Deadlines		
Task	Start	Finish
Pre-Planning	10/01/2016	11/31/2016
Encasement Preliminary Plans	4/06/2017	9/20/17
Trash Rack Preliminary Plans	4/06/2017	9/20/2017
Pump-Back System Preliminary Plans	4/06/2017	7/05/2017
Final Plans, Specifications and Estimate	7/06/2017	11/30/2017
Draft Construction Contracts	11/1/2017	12/1/2017
Draft Project Summary Report	12/1/2017	2/28/2018
Final Project Report	3/16/2018	4/15/2018

² The \$17M cost was originally calculated by Caltrans using a design flow of 200 cfs and 0.0006 slope for the conveyance system. This cost may actually be up to \$7M less, depending on the actual slope of the proposed conveyance system and a lower design flow.