

AGENDA

**ENGINEERING COMMITTEE MEETING
LEUCADIA WASTEWATER DISTRICT
Wednesday, July 2, 2014 – 8:30 a.m.
1960 La Costa Avenue, Carlsbad, CA 92009**

- 1. Call to Order**
- 2. Roll Call**
- 3. Public Comment**
- 4. New Business**
 - A. Authorize the General Manager to execute an agreement with Infrastructure Engineering Corporation for engineering design services for the Fiscal Year 2015 Gravity Pipeline Rehabilitation Project in an amount not to exceed \$48,841. (Pages 2 - 10)
 - B. Adoption of the Batiquitos (B2) Force Main Mitigated Negative Declaration and authorize Staff to proceed with project alignment Option C, using the abandoned portion of southbound Carlsbad Boulevard, for the installation of the replacement B2 Force Main. (Pages 11 - 22)
- 5. Information Items**
 - A. Potential Amendment to the Wave Crest (Hilton) Agreement. (verbal)
 - B. Leucadia Generator Replacement Project Status. (verbal)
 - C. Recycled Water Effluent Line & Creek Crossing Repair Project Status. (verbal)
- 6. Director's Comments**
- 7. General Manager's Comments**
- 8. Adjournment**

MEMORANDUM

DATE: June 26, 2014
TO: Engineering Committee
FROM: Paul J. Bushee, General Manager 
SUBJECT: Fiscal Year 2015 Gravity Pipeline Rehabilitation Project Engineering Design Services

RECOMMENDATION:

Staff requests that the Engineering Committee recommend that the Board of Directors:

1. Authorize the General Manager to execute an agreement with Infrastructure Engineering Corporation (IEC) for engineering design services for the Fiscal Year 2015 Gravity Pipeline Rehabilitation Project in an amount not to exceed \$48,841.
2. Discuss and take other action as appropriate.

DISCUSSION:

The Gravity Pipeline Rehabilitation project is included as a goal in the Fiscal Year 2015 (FY15) Tactics & Action Plan.

The District's 2013 Asset Management Plan (AMP) included a 5 year Capital Improvement Program for each of the five District asset categories – gravity sewers, manhole, pump stations, force mains, and jointly-owned facilities. The gravity sewer pipeline category included an annual gravity pipeline project for the programmatic replacement of vitrified clay pipe (VCP). This programmatic replacement was intended to replace the older VCP lines, starting with the older Leucadia area, which have been noted to have root intrusion.

The shift in Field Service focus from hydro-cleaning to Closed Circuit Television (CCTV) Inspection has resulted in the discovery of significant pipe defects throughout the collection system that are of a high priority for repair. Staff developed and maintains a prioritized list of pipelines with defects, Repair Priority List, as a result of CCTV inspections. Defects discovered include major sags, severe cracks, offset joints, broken pipe and major deterioration of asbestos cement pipe. Staff believes the repair of pipelines with defects on the Repair Priority List take precedence over the programmatic replacement of VCP lines due to root intrusion. Therefore, the Gravity Pipeline Rehabilitation Project (Project) for FY15 and subsequent fiscal years will focus on the repair of prioritized collection system defects on the Repair Priority List.

Infrastructure Engineering Corporation (IEC) has submitted a proposal, attached, to complete the design phase of the FY 15 Project. The Scope of Services includes:

Task 1 – Project Management and Administration

- Two meetings – discuss preliminary engineering assessment and 90% design review
- Project schedule and schedule updates

Task 2 – Preliminary Engineering Assessment

- Prepare a preliminary engineering assessment composed of an overview map and a spreadsheet of recommendations.
- Preliminary engineering assessment will consist of:
 - Review CCTV records of facilities recommended for repair
 - Obtain and review record drawings for facilities recommended for repair
 - Perform a limited site reconnaissance for each facility to assess site constraints

Task 3 – Final Design

- Prepare two bid packages.
- Cured-in-Place Pipe (CIPP) Lining/Trenchless Bid Package
 - CIPP Lining of 12 facilities
 - Installation of CIPP short liners on two facilities
 - Rehabilitation of two manholes
- Excavated Repairs Bid Package
 - Installation of one new sewer manhole
 - Repair of two existing facilities with sewer sags
 - Repair of two cleanouts.

The proposed cost for these design services is \$48,841. Staff has reviewed and discussed the scope of work and proposed fee with IEC. Staff believes the proposal is fair and reasonable.

FISCAL IMPACT:

Staff appropriated funds in the FY 2015 Budget in anticipation of this project. The budget contains sufficient funds to cover the design services under this agreement.

PJB:rym

Attachment



June 19, 2014

Mr. Robin Morishita
Leucadia Wastewater District
1960 La Costa Avenue
Carlsbad, California 92009

RE: Proposal for Engineering Services for FY 15 Gravity Sewer Repairs Project

Dear Mr. Morishita:

Infrastructure Engineering Corporation (IEC) is pleased to provide the Leucadia Wastewater District with this proposal for Engineering Services for the FY 15 Gravity Sewer Repairs Project. The proposed scope of services and fee is based on discussions with District staff and review of the District's Repair Priority FY 2015 spreadsheet.

PROJECT BACKGROUND AND APPROACH

As documented in the District's Asset Management Master Plan prepared by Dexter Wilson Engineering, Inc., dated January 2013, the District systematically inspects its gravity sewer system via closed circuit television (CCTV). As District staff performs these CCTV sections gravity main sections in need of repair are flagged for repair within the District's sewer maintenance and operation software system. On an annual basis, these facilities flagged for repair are compiled into a capital improvement project for potential repair or rehabilitation.

IEC is in receipt of the District's Fiscal Year 2015 gravity sewer main repair and rehabilitation list. Per discussions with District staff, the District would like to move forward with assessing the facilities noted as repair priority 3. Please see the attached spreadsheet that includes the level 3 facilities included in this scope and fee. IEC has prepared this scope and approach to provide a preliminary review of repair priority level 3 facilities, repair and rehabilitation recommendations, and two bid packages for the FY 2015 Gravity Sewer Repair Project. One bid package will be for cured-in-place pipe lining (CIPPL) and other trenchless rehabilitation methods and one bid package will be for excavated repairs and replacements. There are 12 facilities recommended by the District for CIPPL, two facilities for trenchless point repair, two recommended manhole rehabilitations, two excavated point repairs and two excavated sewer sag repairs. The two sewer sags needing repair were previously designed under the FY14 Gravity Sewer Mains Repairs and do not require additional design or analysis.

Preliminary Engineering Assessment

Per the request of District staff, in lieu of a formal preliminary design report, IEC proposes to perform a preliminary engineering assessment composed of an overview map and a spreadsheet of recommendations to be discussed in a review meeting with District staff and documented in meeting minutes. The Preliminary Engineering Assessment will consist of the following:

- Review CCTV records of facilities recommended for repair. In general, IEC will review the CCTV records for suitability of proposed repair methods. Of particular concern are limiting conditions that may preclude the use of trenchless repair methods such as an



offset joint or protruding object that may require excavation and repair prior to application of a trenchless rehabilitation method.

- Obtain and review record drawings for facilities recommended for repair.
- Perform a limited site reconnaissance for each facility to assess site constraints including paving requirements, traffic control, access conditions, and identification of the City of jurisdiction and bypass requirements. It is anticipated that the majority of site reconnaissance will be performed utilizing Google Street View, however, nine of the facilities on the District's Repair Priority spreadsheet are indicated to be located within easements. IEC has included a day of site visits to document conditions within these easements. It is anticipated that the District will notify property owners and escort IEC staff to these site visits located on private property.

In addition to the above general review of proposed repairs, IEC has identified several facilities that may require additional assessment.

- Facility 04-2730_04-2630. This facility was indicated in the Repair Priority spreadsheet with the defect description 'Easement – Asbestos pipe – is there another 1,000 feet upstream?' IEC will coordinate with District staff to identify the extent of work required for this facility.
- Facility 04-2630_04-0220. This facility was indicated to be flowing under Interstate 5 and requiring a trucked bypass to complete a lining repair. IEC will review available record drawings, site constraints and conduct a feasibility assessment for a conceptual bypass plan for this facility.
- Facility 05-0433_05-0432. This facility includes a tee connection between two sewer mains. The District requires a manhole to properly maintain the sewer main on the tee side of the connection. IEC has visited the site and based on markouts existing at the site at the time of the visit recommends a slot trench pothole be performed at the proposed manhole site in order to document an existing utility corridor to assess the feasibility of a new manhole installation.

Final Design

Final design is expected to consist of two bid packages: one for CIPPL and other trenchless methods and one for repairs and replacements requiring excavation. These bid packages are discussed in further detail below.

CIPPL/Trenchless Bid Package

This bid package is proposed to include the CIPPL of 12 facilities, installation of CIPP short liners on two facilities and manhole rehabilitation of two facilities. It is anticipated that this bid package will consist D-sized sheets, CSI format specifications and a cost estimate. The D-sized sheets are anticipated to consist of a title sheet, a general notes sheet and a sheet containing an overview map of the District's system indicating location of facilities to be repaired or rehabilitated and a corresponding table documenting facility length, District segment number, existing pipe size and material and required repairs. Site specific details will not be included in this limited plan set.



Mr. Robin Morishita
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Excavated Repairs Bid Package

This bid package is proposed to include the installation of one new sewer manholes, repair of two existing facilities with sewer sags, and repair of two cleanouts. It is anticipated that this bid package will consist of D-sized sheets, CSI format specifications and a cost estimate. The D-sized sheets are anticipated to consist of a title sheet, a general notes sheet, a sheet containing an overview map of the District's system indicating location of facilities to be repaired and a corresponding table documenting facility length, District segment number, existing pipe size and material and required repairs, and two site specific sheets. Site specific sheets will include existing utility data plotted over a Google earth image. At this point it is anticipated that this will be sufficient to convey design intent and site parameters such as traffic control needs (detailed traffic control plans are to be prepared by the Contractor), paving requirements, and adjacent buried utilities. Site specific sheets do not include a detailed survey or horizontal or vertical control. IEC will conduct a Dig Alert design request, contact utility owners indicated to have buried facilities in the area and plot utilities based on data received from utility owners, County parcel data and Google Earth images.

IEC's below scope is crafted to be responsive to the above approach and does not include CEQA determination of the proposed project(s), environmental support, survey services, manhole inspection, flow monitoring, or a detailed preliminary design report or memorandum. Site visits for additional facilities located in easements, and additional site specific details for excavated repairs other than as specifically listed herein may be provided for additional scope and fee.

SCOPE OF SERVICES

The following detailed scope of services describes the specific tasks and deliverables that will be performed.

Task 1 – Project Management and Administration

In order to expedite the project, we anticipate two coordination meetings will be required during the project, one to discuss the results of the preliminary engineering assessment and one to review the 90% bid package during final design. Additional coordination, project status reports and schedule updates will be addressed via e-mail and telephone.

Task 2 – Preliminary Engineering Assessment

IEC will prepare a preliminary engineering assessment composed of an overview map and a spreadsheet of recommendations. The Preliminary Engineering Assessment will consist of the following:

- Review CCTV records of facilities recommended for repair. In general, IEC will review the CCTV records for suitability of proposed repair methods.
- Obtain and review record drawings for facilities recommended for repair.
- Perform a limited site reconnaissance for each facility to assess site constraints including paving requirements, traffic control, access conditions, identification of the City of jurisdiction and bypass requirements. It is anticipated that the majority of site reconnaissance will be performed utilizing Google Street View, however, four of the facilities on the District's Repair Priority spreadsheet are indicated to be located within easements. IEC has included site visits to document conditions within these easements.



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Leucadia Wastewater District
June 19, 2014
Page 4 of 5

It is anticipated that the District will notify property owners and escort IEC staff to these site visits located on private property.

- Facility 04-2730_04-2630. IEC will coordinate with District staff to identify the extent of work required for this facility.
- Facility 04-2630_04-0220. This facility was indicated to be flowing under Interstate 5 and requiring a trucked bypass to complete a lining repair. IEC will review available record drawings, site constraints and conduct a feasibility assessment for a conceptual bypass plan for this facility.
- Facility 05-0433_05-0432. IEC will complete a slot trench pothole and assess the feasibility of installing a new manhole at the existing sewer tee location.

Task 3 – Final Design

IEC will prepare two bid packages.

CIPPL/Trenchless Bid Package

This bid package is proposed to include the CIPPL of 12 facilities, installation of CIPP short liners on two facilities and manhole rehabilitation of two facilities. It is anticipated that this bid package will consist D-sized sheets, CSI format specifications and a cost estimate. The D-sized sheets are anticipated to consist of a title sheet, a general notes sheet and a sheet containing an overview map of the District's system indicating location of facilities to be repaired or rehabilitated and a corresponding table documenting facility length, District segment number, existing pipe size and material and required repairs. Site specific details will not be included in this limited plan set.

Excavated Repairs Bid Package

This bid package is proposed to include the installation of one new sewer manholes, repair of two existing facilities with sewer sags, and repair of two cleanouts. It is anticipated that this bid package will consist of D-sized sheets, CSI format specifications and a cost estimate. The D-sized sheets are anticipated to consist of a title sheet, a general notes sheet, a sheet containing an overview map of the District's system indicating location of facilities to be repaired and a corresponding table documenting facility length, District segment number, existing pipe size and material and required repairs, and two site specific sheets. Site specific sheets will include existing utility data plotted over a Google earth image. At this point it is anticipated that this will be sufficient to convey design intent and site parameters such as traffic control needs (detailed traffic control plans are to be prepared by the Contractor), paving requirements, and adjacent buried utilities. Site specific sheets do not include a detailed survey or horizontal or vertical control. IEC will conduct a Dig Alert design request, contact utility owners indicated to have buried facilities in the area and plot utilities based on data received from utility owners, County parcel data and Google Earth images.

This scope does not include right-of-way permit coordination, traffic control or surveying.

SCHEDULE

It is anticipated IEC will attend a preliminary engineering feasibility assessment meeting at the District four weeks following the notice to proceed. Following the meeting IEC will prepare meeting minutes documenting the results of the meeting within one week. Following the meeting, IEC will prepare a 90% level bid package within four weeks. Following a two week



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review period by the District IEC will prepare a final signed bid package incorporating District comments within three weeks. Additional drafts or a change in scope from the scope proposed herein will require additional time and budget.

FEE

The proposed level of effort and fee is indicated on the attached table. Billing will be in accordance with our current agreement for as-needed engineering services. We sincerely appreciate the opportunity to provide this proposal and assist the District with this project. Please contact me at (858) 413-2400 should you have any questions or need further information.

Sincerely,

Robert S. Weber, P.E.
Senior Project Manager

cc: Jamie Fagnant, P.E., IEC

FEE ESTIMATE
LEUCADIA WASTEWATER DISTRICT
FY 15 Gravity Sewer Mains Repairs

Task/ Subtask	Task/Subtask Description	Sr. Project Manager (Rob Weber)	Project Engineer (Jamie Fagnant)	Engineer II/ CAD I Designer (Anthony Sahvani)	Word Processor (Annette Moore)	Subtask Labor-Hours	Subtask Labor Cost	Direct Cost	Subcontract	Total Cost
		\$180.00	\$135.00	\$110.00	\$65.00					
TASK 1	Project Management and Administration									
	Design Meetings (2)	4	8			12	\$1,800	\$250	\$0	\$3,580
	Project Status Reports/Coordination	4	6			10	\$1,530	\$0	\$0	\$2,050
										\$1,530
TASK 2	Preliminary Engineering Feasibility Assessment									
	Review CCTV (18 sites)	2	6	18		26	\$3,150	\$0	\$0	\$23,131
	Review rec dwgs/site conditions/bypass requirements	2	16	6		24	\$3,180	\$0	\$0	\$3,180
	Site Visits	6	6	6		12	\$1,470	\$100	\$0	\$1,570
	04-2730 04-2630	2	12	4		18	\$2,420	\$0	\$0	\$2,420
	04-2630 04-0220	4	16	8		28	\$3,760	\$0	\$0	\$3,760
	05-0433 05-0432	2	12	4		18	\$2,420	\$0	\$6,631	\$9,051
TASK 3	Final Design									
	Excavation package utility research	1	4	12		17	\$2,040	\$0	\$0	\$2,040
	90% submittal lining package (16 sites)	4	16	24		44	\$5,520	\$0	\$0	\$5,520
	90% submittal excavation package (3 sites plus 2 sags)	4	16	30		50	\$6,180	\$0	\$0	\$6,180
	Final Submittal lining package	2	12	16	8	38	\$4,260	\$0	\$0	\$4,260
	Final Submittal excavation package	2	12	16	6	36	\$4,130	\$0	\$0	\$4,130
		33	142	144	14	333				
		\$5,940	\$19,170	\$15,840	\$910		\$41,860	\$350	\$6,631	\$48,841

TOTAL NOT-TO-EXCEED FEE: \$48,841

Repair Priority FY 2015

Date Found	Line Segment	Street	Segment Footage	Defect(s)	Pipe Type	Repair Type	Repair Priority	Depth (in feet)	Pipe Size (in inches)	Estimated Cost to Repair
1/28/2014	11-6065_11-5000	Luciernaga St.	330	Major sag	VCP	Dig up	3	7.5	8	\$ 39,600
2/3/2014	11-5010_11-5000	Luciernaga St.	339	Major sag	VCP	Dig up	3	8.5	8	\$ 40,680
2/3/2014	MH 11-5000	Luciernaga St.	NA	Rehab Manhole	NA	Rehab	3	6.5	8	\$ 6,000
1/8/2014	11-6015_11-1805	Unicornio Easement	53	Roots and multiple cracks throughout	VCP	Reline	3	10	8	\$ 2,650
3/11/2014	04-2730_04-2630	Leucadia Scenic	529	Easement - Asbestos pipe - is there another 1,000 feet upstream?	Asbestos	Reline	3	20	12	\$ 95,220
3/11/2014	04-2630_04-0220	Leucadia Scenic	374	Easement flowing under I-5 Freeway at head to Piraeus - Asbestos pipe - Trucked Bypass	Asbestos	Reline	3	17	12	\$ 67,320
6/19/2012	04-1640_04-1635	Capri Rd.	138	Majority of line is cracked	VCP	Reline	3	18	8	\$ 6,900
10/31/2012	06-0230_06-0220	Encinitas Blvd.	250	Entire line is cracked	VCP	Reline	3	18	12	\$ 12,500
3/14/2013	08-9350_08-9340	14 St.	349	Entire line is cracked - root intrusion	VCP	Reline	3	14	6	\$ 17,450
9/4/2013	05-0433_05-0432	Encinitas Blvd. / McDonald's Plaza	218	Broken pipe at lateral 133' DS	VCP	Short liner & New MH	3	13	6 & 8	\$ 15,000
3/18/2014	08-0550_08-0140	Jacaranda St.	72	Cracks - Roots in joint - offset joint	VCP	Reline	3	8	8	\$ 3,600
3/18/2014	08-0560	Jacaranda St.	NA	Rehab Manhole	NA	Rehab	3	11	8	\$ 7,500
6/18/2012	04-1300_04-1260	Caudor St.	180	Continuous multiple cracks from 137' - 180' downstream	VCP	Reline	3	21	8	\$ 9,000
1/8/2013	08-2490_08-2480	Camino Lindo	328	Mainline cracked - holes in 2 different spots	PVC	2-Short-Liners-Reline	3	8	8	\$ 16,400
3/6/2014	04-1570_04-1560	Easement #88	175	Offset Joint - heavy roots in joint	VCP	Short liner	3	9.5	6	\$ 10,000
2/6/2014	11-0590_11-0580	Estrella Del Mar	333	Roots - offset joint	VCP	Reline	3	8	8	\$ 16,650
11/5/2012	11-4035_11-4025	Cebu St.	321	Broken pipe at joint 230' downstream - heavy scale	VCP	Reline	3	13	8	\$ 16,050
2/6/2012	04-1540_04-1530	Caudor St.	281	Cracks - offset joints	VCP	Reline	3	16.5	8	\$ 14,050
12/4/2013	10-12080_10-12090	Easement #17	90	Cleanout lost - major roots growing from possible broken cap	PVC	Dig up	3	6	8	\$ 12,000
6/10/2013	11-2015_11-2010	Argonauta	175	Broken Cleanout with major roots growing from break	VCP	Dig up	3	6.5	8	\$ 12,000
6/6/2012	04-1960_04-1950	Urania Ave.	298	Broken pipe 218' Downstream by joint, which also has roots growing from slight offset	VCP	Reline	3	15	8	\$ 14,900

MEMORANDUM

Ref: 14-4133

DATE: June 26, 2014
TO: Engineering Committee
FROM: Paul J. Bushee, General Manager 
SUBJECT: Batiquitos (B2) Force Main Replacement Project - Adoption of the Mitigated Negative Declaration

RECOMMENDATION:

Staff requests that the Engineering committee recommend that the Board of Directors:

1. Adopt the Mitigated Negative Declaration (MND) for the Batiquitos (B2) Force Main Replacement Project.
2. Authorize Staff to proceed with project alignment Option C, using the abandoned portion of southbound Carlsbad Boulevard, for the installation of the replacement B2 Force Main.
3. Discuss and take other action as appropriate.

DISCUSSION:

In February 2014 the Board of Directors (Board) received and filed the B2 Force Main Preliminary Design Report completed by Infrastructure Engineering Corporation (IEC). Additionally, the Board authorized the execution of an agreement with Wave Crest Oceanfront, LLC (Wave Crest) pertaining to the realignment of the three District force mains (B1, B2, and B3) into the north bound lanes of Highway 101 in front of the Hilton Carlsbad Resort & Spa (Hilton) as part of the B2 Force Main Replacement Project.

To construct this realignment, the three force mains will be placed in previously undisturbed soil under Highway 101. As a result, the project is required to satisfy California Environmental Quality Act of 1970 (CEQA) standards. Meeting these standards requires an environmental impact assessment of the entire project alignment. IEC was tasked to conduct the assessment. During the assessment, Coastal Sage Scrub (California Gnatcatcher habitat) was discovered over the current B2 alignment in the vacant area (Ponto Area) bordered by Ponto Drive on the north and east, Carlsbad Boulevard (Highway 101) on the west and Avenida Encinas on the south, establishing the Ponto Area as environmentally sensitive. It should be noted that the area previously contained the Ponto Drive off ramp from north bound Highway 101. The ramp was demolished and the area was re-vegetated with Coastal Sage Scrub. However, the City of Carlsbad (Carlsbad) still owns the right-of-way through the area in which B2 is located. The assessment resulted in the completion of an Initial Study (IS) and development of a Mitigated Negative Declaration (MND) by IEC.

With the Ponto Area designated as environmentally sensitive, the design team considered relocating B2 adjacent to the south bound lanes of Carlsbad Boulevard north of Avenida Encinas to prevent disturbance of the Ponto Area. Avoiding the Ponto Area would remove the required mitigation measures of re-vegetation of the construction zone, the purchase of a

mitigation land bank and construction restrictions due to the Gnatcatcher nesting season. As a result, the MND was developed to include three B2 alignment options as follows:

1. Option A – Dig and replace B2 in its current alignment except for the 800 feet in front of the Hilton which would be relocated into north bound Carlsbad Boulevard. (Figure 1a)
2. Option B – Realign B2 into the east shoulder of south bound Carlsbad Boulevard from north of Avenida Encinas to Ponto Road. The remaining B2 sections will be replaced in the current alignment. (Figure 1b)
3. Option C – Realign B2 into the west shoulder of south bound Carlsbad Boulevard from north of Avenida Encinas to Ponto Road and continue north in the abandoned section of south bound Carlsbad Boulevard to Breakwater Road. The remaining B2 sections will be replaced in the current alignment. (Figure 1c)

Including the three alignment options in the MND enabled the CEQA process to advance while staff worked with Carlsbad and the California Department of Parks and Recreation (State Parks) to reach consensus on Options B and C. Option C is the preferred alignment for the following reasons:

- Avoids the environmentally sensitive Ponto Area
- Relocates B2 away from residential development and the Hilton
- Reduces traffic control requirements and associated restrictive construction periods due to construction in the abandoned section of south bound Carlsbad Boulevard

The CEQA process for adoption of a MND includes a 30 day public comment period. This period commenced on May 27, 2014 and concluded on June 25, 2014. Having previously obtained Carlsbad concurrence on Option C, on June 8th staff received State Parks' concurrence, establishing Option C as the project alignment. Subsequently, written comments on the IS-MND were received from Carlsbad, State Parks, California Coastal Commission and California Department of Fish and Wildlife, attached for your review. Implementing Option C for the B2 alignment and the Mitigation, Monitoring and Reporting Program (MMRP) developed for the project will mitigate the concerns raised in the written comments.

In summary, the majority of impacts identified in the MND are construction related and can be mitigated through the use of best management practices and compliance with the MMRP. Overall, the MND states that no long-term significant impacts will result from the B2 Replacement Project. Therefore, Staff recommends that the Board adopt the draft MND for the project and authorize Staff to proceed with project alignment Option C, using the abandoned portion of southbound Carlsbad Boulevard, for the installation of the replacement B2 Force Main.

Additionally, the Secondary Effluent (B1) Force Main between the Encina Water Pollution Control Facility and the Gafner Advanced Water Treatment Plant was installed circa 1970 and will require eventual replacement to enable the District to continue production of recycled water. The replacement of the B2 Force Main presents a unique opportunity to simultaneously replace the section of B1 in Carlsbad Boulevard. B1 can be placed in the same trench as B2, significantly reducing the construction costs of replacing B1 as a separate project. Therefore, the replacement of B1 will be incorporated into the B2 Replacement Project.

PJB:rym

Attachments



Legend

--- Project Alignment Option A

Note: This figure is a schematic and does not represent the actual width of the alignment.

Infrastructure
ENGINEERING CORPORATION

**Leucadia Wastewater District
 B2 Force Main Replacement Project**

Figure 1a: Option A Location

Source: Esri, DigitalGlobe, GeoEye, IGN, GeoEye, USDA, USGS, Aero, Geomatics, AeroGRID, IGN, Esri, and the GIS User Community



0 500 1,000 Feet

Legend

--- Project Alignment Option B

Note: This figure is a schematic and does not represent the actual width of the alignment.

Infrastructure
INFRASTRUCTURE CORPORATION

**Leucadia Wastewater District
 B2 Force Main Replacement Project**

Figure 1b: Option B Location





CITY OF
CARLSBAD

Community & Economic Development



www.carlsbadca.gov

June 13, 2014

Mr. Robin Morishita
Technical Services Manager
Leucadia Wastewater District
1960 La Costa Avenue
Carlsbad, CA 92009

RE: OAJ 14-03 – LEUCADIA WASTEWATER DISTRICT (COMMENTS ON THE INITIAL STUDY FOR THE B2 FORCE MAIN REPLACEMENT PROJECT)

Dear Mr. Morishita,

Thank you for the opportunity to review the Draft Initial Study for the B2 Force Main Replacement project. Although the Leucadia Wastewater District (“District”) has stated their preference would be for Option C, realigning a portion of the B2 force main into the disused former southbound lanes of Carlsbad Boulevard, three Options are analyzed in the Draft Initial Study. Therefore, the comments and concerns stated below are based on analysis of Option A, B and C alignments.

Planning:

The following comments were provided by me. If you have any questions about the following section, please contact me at (760) 602-4644 or pam.drew@carlsbadca.gov.

Description of Project - Construction Schedule and Hours

1. The construction schedule states that the project completion date is anticipated to be in February/March 2015. However, the Biological Resources section states that construction is planned to occur entirely outside of the bird nesting season (February 1 – September 15). Please change the construction schedule to be consistent with the Biological Resources section; otherwise, additional mitigation and potentially recirculation would be necessary.
2. Since the Option A alignment requires the wildlife agencies’ approval of a restoration management and monitoring plan, these agencies should also be identified.

Environmental Factors Potentially Affected

3. The Option A alignment would have impacts to sensitive habitat, therefore, Biological Resources and Mandatory Findings of Significance should be checked.



Planning Division

1635 Faraday Avenue, Carlsbad, CA 92008-7364 T 760-602-4600 F 760-602-8559



Biological Resources

4. Under the Option A alignment, please include as a mitigation measure a five (5) year restoration management and monitoring plan for all areas where sensitive habitat would be removed and revegetated per the city's Guidelines for Habitat Creation and Restoration, dated July 20, 2009. Also, please make sure the mitigation measures are clearly identified.
5. Considering vegetation impacts of Option A and the related discussion, IV.a. should be checked as "less than significant with mitigation incorporated."

General

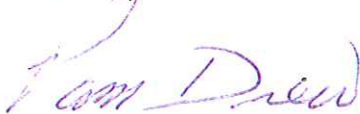
6. Statements regarding environmental impacts note impacts are "less than significant" or "would not degrade the quality of the environment" (see pages 21, 47 and 48 for examples). These statements should also note impacts are less than significant because mitigation measures have been incorporated.

Engineering (Design Division):

The following comments were provided by Mark Biskup, Associate Engineer. If you have any questions about the following section, please contact him at (760) 602-2763 or mark.biskup@carlsbadca.gov.

7. Please provide copies of the sequential design packages for the city's review and comment when they are available. Staff will review the proposed alignment for utility conflicts and any potential operational issues, including sewer odor, along the new alignment and its discharge point.

Sincerely,



PAM DREW

Associate Planner

- c: Scott Donnell, Senior Planner
Mark Biskup, Associate Engineer
Anna Buising, Ph.D, P.G., Principal-Environmental Services, Infrastructure Engineering Corporation, Suite K, 39221 Paseo Padre Parkway, Fremont, CA 94538



DEPARTMENT OF PARKS AND RECREATION
San Diego Coast District
4477 Pacific Highway
San Diego, CA 92110
(619) 688-3260 FAX (619) 688-3229

Major General Anthony L. Jackson, USMC (Ret), Director

June 23, 2014

Robin Morishita
Leucadia Wastewater District
1960 La Costa Avenue
Carlsbad, CA 92009
rmorishita@lwwd.org

RE: Initial Study for B2 Force Main Replacement Project (SCH 2014051077)

Dear Mr. Morishita,

Thank you for the opportunity to comment on the Force Main Replacement Project Initial Study (May 2014) located in Carlsbad, CA. California State Parks (CSP) is a Trustee Agency and is mandated by law to protect the natural, cultural and recreational resources found within the State Park system. We submit the following comments to assist you in developing project alternatives which avoid impacts to CSP Property and park visitors. The Proposed Alternative "C" Alignment is within the City of Carlsbad's (City's) Right-of-Way but in close proximity to the South Carlsbad Beach Campground (Campground). CSP is concerned with two issues should the project be developed as proposed in Alternative "C": Interruption of access or services to campground users during construction and potential impacts to Cultural resources.

CSP provides beach access to Carlsbad State Beach for both day use visitors and overnight campers. This ingress and egress must be maintained during construction without interruption. Additionally, any construction related activities shall not interrupt CSP utility service (water, sewer, communications, and electricity) to the campground or day use facilities during construction.

CSP understands that all of the proposed work will occur within the City's Right-of-Way but it's possible that there may be impacts to a site that may extend to CSP land. Due to the potential for subsurface cultural resources in the area, it is recommended that all ground disturbing work, not only initial shallow ground-disturbing activities (as stated under Mitigation Measure CUL-1, page 24), require an archaeological monitor and a California Indian monitor for sections of pipeline that would fall outside of the "replace-in-place" strategy and for trenching realignments. It is unclear if the Native American Heritage Commission (NAHC) or a Luiseño representative has been consulted. If not, this consultation should be included as part of the project. It is also requested that all project related archaeological and paleontological reports, including confidential Isolate record documented during cultural resources survey (referenced on page 20 of *Cultural Resources Survey Report for the Leucadia Wastewater District B2 Force main Replacement Project, City of Carlsbad, California* (Pigniolo 2014) be submitted to San

Diego Coast District (SDCD) Archaeologist Nicole Turner
(Nicole.Turner@parks.ca.gov).

In conclusion, we appreciate the opportunity to comment on the MND and hope that our comments contribute to a better project. Please contact me or Darren Smith if you have any questions or comments.

Sincerely,



Robin Greene
State Park Superintendent III

Cc Clay Phillips, San Diego Coast District Superintendent
Darren Smith, District Services Manager
Reading File

Robin Morishita

From: Casswell, Rick@Coastal <Rick.Casswell@coastal.ca.gov>
Sent: Wednesday, June 18, 2014 12:31 PM
To: Robin Morishita
Subject: Re: B2 Force Main Replacement Project (SCH#2014051077)

Hello Robin,

Having reviewed the initial study referenced within the subject line of this email, I would like to provide you with the following comments:

Option A appears to have the most potential for environmental impacts, so I would strongly advise against this option. Option B appears to have the least potential for environmental impacts, and, consequently, this would be my preferred option for the proposed project.

Please let me know if you have any questions or comments.

Sincerely,

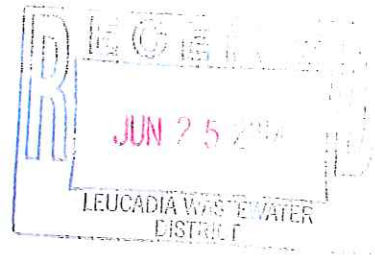
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EDMUND G. BROWN JR., Governor
 CHARLTON H. BONHAM, Director



June 23, 2014

Mr. Robin Morishita, Technical Services Manager
 Leucadia Wastewater District
 1960 La Costa Avenue
 Carlsbad, California 92009
 rmorishita@lwwd.org

Subject: Comments on the Draft Mitigated Negative Declaration for the B2 Force Main Replacement Project, Leucadia Wastewater District, City of Carlsbad, California

Dear Mr. Morishita:

The California Department of Fish and Wildlife (Department) has reviewed the above-referenced Draft Mitigated Negative Declaration (DMND) for the B2 Force Main Replacement Project (Project) for the Leucadia Wastewater District (District) in the City of Carlsbad (City). The following statements and comments have been prepared pursuant to the Department's authority as Trustee Agency with jurisdiction over natural resources affected by the project (California Environmental Quality Act, [CEQA] Guidelines § 15386) and pursuant to our authority as a Responsible Agency under CEQA Guidelines section 15381 over those aspects of the proposed project that come under the purview of the California Endangered Species Act (Fish and Game Code § 2050 *et seq.*) and Fish and Game Code section 1600 *et seq.* The Department also administers the Natural Community Conservation Planning (NCCP) program. The City is participating in the Department's NCCP by implementing its approved Multiple Habitat Conservation Program (MHCP) Subarea Plan (SAP) and Habitat Management Plan (HMP).

The project alignment extends in a generally north-south direction along the Carlsbad coast near Carlsbad State Beach, beginning just north of Batiquitos Lagoon and terminating near 6500 Ponto Drive. The DMND analyzes three options. Under the first option, B1, B2 and B3 force mains would be replaced at existing diameters and realigned along an approximately 800-foot section in front of the Carlsbad Hilton Hotel. Under the second option a section would be abandoned and the B2 force main would be realigned in a new trench along the eastern edge of the southbound lanes of Carlsbad Boulevard. Under the third option, a new force main would be installed in the former and now abandoned southbound lanes of Carlsbad Boulevard. Pipeline installation would be primarily accomplished using conventional open trench methods. In this method, pavement is removed, heavy equipment is used to open a trench and the trench is backfilled after placement of the new pipeline. Single pipeline trenches are expected to be four feet wide and joint pipeline trenches would be six feet wide. Both types would be 8 to 13 feet deep.

The Department offers the following comments and recommendations to assist the District in avoiding or minimizing potential project impacts on biological resources:

Mr. Robin Morishita, Technical Services Manager
Leucadia Wastewater District
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The Initial Study (IS) dated May 2014 states that mitigation for impacts under the first option (Option A) would be developed based on the HMP for the City. The Department recommends that all impacts for each option be analyzed and appropriately mitigated according to the HMP, including standards and measures not currently included in the DMND. Inclusion of a table enumerating habitat acreage impacts and mitigation formulae in compliance with Table 11 on page D-113 of the HMP would facilitate analysis of project impacts. The Department recommends that in the Final MND, in addition to coastal sage scrub (CSS), the potential for impacts to all habitat types indicated on DMND maps, such as coyote brush scrub, goldenbush scrub, and non-native and disturbed habitats, be evaluated in the context of the HMP. Any impacts to these additional habitat types should be mitigated in accordance with the HMP.

We appreciate the opportunity to comment on the referenced DMND. Questions regarding this letter and further coordination on these issues should be directed to Eric Hollenbeck at (858-467-2720) or Eric.Hollenbeck@wildlife.ca.gov.

Sincerely,



Gail K. Sevens
Environmental Program Manager
South Coast Region

cc: Janet Stuckrath (U.S. Fish and Wildlife Service)
Scott Morgan (State Clearinghouse)