



PROJECT CHARTER

DEPARTMENT: **Regional Flood Control District**


PROJECT NAME: **Calle Agua Nueva (ROMP) Drainage Channel**

PROJECT ID: **5ROGRD**

Prepared By: Larry Robison

Date Prepared: February 14, 2017

Approval of this Project Charter indicates 1) approval of the constraining factor established for this project, 2) an understanding of the purpose and content as described in this document, and 3) agreement with the Scope, Schedule, Budget and Quality of the recommended alternative. By signing this document, each individual agrees that work should be initiated on this project with **all necessary resources allocated** and commits to fulfill his/her role and responsibilities as described herein.

Approver Name	Position	Signature	Date
Larry Robison	Project Manager		3/3/17
Suzanne Shields	Department Director	 for Suzanne	3/3/17
Nanette Slusser	County Administration		3/6/17

*Note: Not all sections of the Project Charter format are applicable to all projects. To insure all sections have been completed as needed, do not delete any sections from this document. If a section is not applicable to the project, simply type "Not Applicable". See "Guidance for Preparing a Project Charter" and "Checklists for Project Charter & Gates" for additional information.

Contents

PROJECT OVERVIEW	3
Background:	3
Need Statement:	3
Scope Statement:	3
Justification:	3
BUDGET MANAGEMENT	3
Cost Model Summary and Financial Schedule for Requested Budget	3
Requested Funding Sources	4
Map of Project Area with Polygon	4
ESTIMATED BENEFITS OF THIS PROJECT	4
SCHEDULE MANAGEMENT	4
Critical Path Tasks and Anticipated Completion Dates	5
QUALITY MANAGEMENT	5
Constraining Factor	5
ALTERNATIVES ANALYSIS	5
TEAM MEMBER MANAGEMENT	6
Roles and Responsibilities	6
Summary of Team Member Meeting	7
RISK MANAGEMENT	8
Assessment of Risks to Achieving Scope, Schedule, Budget and/or Quality	8
COMMUNICATION MANAGEMENT	8
Proposed Gate Meetings	8
PROCUREMENT MANAGEMENT	9
Proposed Project Delivery Method	9
APPENDIX A – Map with Polygon	9
APPENDIX B – Cost Model	9
APPENDIX C – Microsoft Project Schedule	9
APPENDIX D – Team Member Meeting Minutes	9
APPENDIX E - CIP Program/Phase Maintenance Request Form	9

PROJECT OVERVIEW

Background:

District requested and was approved to fund a CIP project for Gardener and I-10 drainage improvements in a memorandum from Suzanne Shields to John Bernal on December 8, 2010. The project was associated with the proposed new laboratory for the upgrade to the Roger Road Water Reclamation Campus. The Regional Wastewater Reclamation Department (RWRD) designing and construct certain roadway improvements for Calle Agua Nueva and provide the culverts under the Calle Agua Nueva and an unnamed road. The drainage channel that connects with the ADOT I-10 frontage road channel to the Santa Cruz River was not constructed at the time of the ROMP improvements. The District participating in the funding of the culvert improvements, and has completed plans for construction of the drainage channel from I-10 to the Santa Cruz River, and the outlet culverts at the Santa Cruz River.

Need Statement:

This project is needed as part of a larger overall project that includes drainage from the Ruthrauff Basin that drains to the Union Pacific Railroad. ADOT has improved culverts under I-10 and the I-10 frontage road, and finish a drainage channel that parallel the east-bound I01 frontage road from Calle Agua Nueva to Sweetwater Road. District needs to provide and enlarge culverts under UPRR; and complete the channel along Calle Agua Nueva to provide positive drainage from the Ruthrauff Basin east of Highway Drive to the Santa Cruz River.

Scope Statement:

This project will provide for the design and construction of the drainage channel from the I-10 frontage road channel (Camino Del Cerro to Sweetwater) to the Santa Cruz River and the construction of the outlet structure at the Santa Cruz River.

Justification:

Without this project, flow will continue to pond in the ADOT channel at Calle Agua Nueva potentially overflowing into the new RWRD WES Center and reducing the potential for future development of the Roger Road Water Reclamation Campus on City and County lands.

BUDGET MANAGEMENT

[Cost Model attached as Appendix B]

Cost Model Summary and Financial Schedule for Requested Budget

Phase	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	TOTAL	Soft Cost %
Land Acquisition	404,530	167,156	0	0	275,983		847,669	2.8%
Project Development	0	0	0	0	0		0	%
Design	0	74,844	0	42,900	182,231		299,975	21.4%
Construction	0	0	0	0	744,792	639,608	1,384,400	12.8%
Utility Relocation	0	0	0	0	0		0	%
Public Art	0	0	0	0	0		0	%
Contingency	0	0	0	0	0	200,000	200,000	0%
TOTAL PROJECT BUDGET	404,530	242,000	0	42,900	1,203,006	839,608	2,732,044	37.0%

Requested Funding Sources

Funding Summary			
Funding Sources		Amount	% of Total
A.	Flood Control District Tax Levy	\$2,732,044	100%
B.		\$	%
C.		\$	%
D.		\$	%
TOTAL FUNDING SOURCES		\$	%

Map of Project Area with Polygon

On the next page or attached as Appendix is a map of the area associated with this project. To meet certain Pima County requirements, any project that anticipates ground disturbance must show on this map a polygon of the limits of potential ground disturbance.

ESTIMATED BENEFITS OF THIS PROJECT

Benefit	Estimated Level of Benefit			
	High	Med	Low	None
Protects Health, Safety & Property	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Increases Capacity	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Meets Regulatory/Mandated Requirement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Promotes Economic Development	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Makes Use of Non-County Funding	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Reduces Long-Term Costs to the County	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rehabilitates/Preserves/Enhances Existing Asset	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Enhances Environment and/or Cultural Resource	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Improves System Continuity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Meets Master/Long-Range Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is Regionally Significant	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SCHEDULE MANAGEMENT

[Microsoft Project Schedule attached as Appendix C]

Critical Path Tasks and Anticipated Completion Dates

	Critical Path Task Description	Anticipated Completion Date
1	Secure ROW	1/19/17
2	Cultural Resources investigation and mitigation	12/16/16
3	Secure 404/ 401 Permit	12/7/16
4	Construct drainage channel and outlet improvements	December 2017
5		

QUALITY MANAGEMENT

Constraining Factor

For this project, the following one factor is understood by the project team and senior management to be the least flexible to change:

- Scope
 Schedule
 Budget
 Quality

Provide a brief explanation regarding criticality of chosen constraining factor:

The channel is required to provide positive drainage to the new WES center and to provide drainage channel capacity to handle other long-range drainage improvements from the Ruthrauff Basin.

ALTERNATIVES ANALYSIS

- Viable alternatives have been identified and are described below.
 OR
 Alternatives need to be developed and/or further evaluated. Alternative Summary and Recommendation to be presented at a 2.1 Gate.
 OR
 No alternatives are anticipated for this project.

Alternative 1: Developed hydrologic analysis for Ruthrauff Basin in immediate vicinity of contributing watersheds and determined that the ADOT I-10 flows were excessive. Redesigned channel and outlet structure to reduce earthwork and project costs.

Alternative 2:

Assumption & Constraint Analysis

1. <input checked="" type="checkbox"/> Constraint (Known) or <input type="checkbox"/> Assumption (Unknown)	Alternative(s) 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/>
Description: ADOT Right-of-way Use Permit to access project, construct improvements and make required modification within ADOT RoW.	

Impact Discussion: Submit design, drainage calculations and permit application to obtain conditional letter of approval. Once contractor is selected finalize permit requirements with contractor's information and traffic control plan.

2. Constraint (Known) or Assumption (Unknown) Alternative(s) 1 2

Description: Define and secure right of way from City of Tucson and from Arizona State Land.

Impact Discussion: Long lead item requiring extensive negotiations, property appraisal and deed restrictions.

3. Constraint (Known) or Assumption (Unknown) Alternative(s) 1 2

Description: 404/ 401 Permit and Cultural Resources

Impact Discussion: Define Jurisdictional Waters (JD) and determined that JD has minimal impact area, except where potential with cultural resources. Cultural Resource identified area as known resource area, further investigation and mitigation measures taken; results no significant cultural resource impacts within waters or in project area.

4. Constraint (Known) or Assumption (Unknown) Alternative(s) 1 2

Description: Utility Impacts

Impact Discussion: Known utility easement within and adjacent to project limits. Existing utilities discovered were relocated as part of the roadway work or as part of the right-of-way negotiations.

TEAM MEMBER MANAGEMENT

Roles and Responsibilities

Member's Name: Larry Robison	Affiliation: RFCD
Role: Project Manager	
Responsibility: take over design from Leo Smith who retired. Track project progress/ schedule, costs and scope modification in order to minimize construction costs.	
Member's Name: Deirdre Brosnihan	Affiliation: RFCD
Role: Construction PM	
Responsibility: To oversee construction and construction management. Track construction progress/ schedule, cost and scope changes.	
Member's Name: Courtney Rose	Affiliation: Cultural Resources
Role: Archeology	

Responsibility: Oversee cultural resource contracts and activities related to development of the project

Member's Name: Greg Foster	Affiliation: Pima County Real Property
Role: Real Property Agent	
Responsibility: To negotiate and secure right-of-way from State Land and City of Tucson.	

Member's Name: Evan Canfield	Affiliation: RFCD
Role: Hydrology & Hydraulics	
Responsibility: Evaluate Ruthrauff hydrology.	

Member's Name:	Affiliation:
Role:	
Responsibility:	

Member's Name:	Affiliation:
Role:	
Responsibility:	

Summary of Team Member Meeting

- Meeting Minutes are attached as Appendix.
- OR
- A summary of the Team Member meeting is as follows:

Date of Team Member Meeting:

Invitees:

Attendees:

Summary of Meeting Minutes:

Critical Issues and Action Items:

RISK MANAGEMENT

Assessment of Risks to Achieving Scope, Schedule, Budget and/or Quality

Risk Tables

1. Risk Name: Right-of-way							
Probability:	High <input checked="" type="checkbox"/>	Med <input type="checkbox"/>	Low <input type="checkbox"/>	Impact:	High <input checked="" type="checkbox"/>	Med <input type="checkbox"/>	Low <input type="checkbox"/>
Action:	Control <input checked="" type="checkbox"/>	Absorb <input checked="" type="checkbox"/>		Avoid <input type="checkbox"/>		Deflect <input type="checkbox"/>	
Mitigation Strategy: Limit foot print of area of disturbance and negotiate terms favorable to County, District and property owner.							

2. Risk Name: Cultural Resources							
Probability:	High <input checked="" type="checkbox"/>	Med <input type="checkbox"/>	Low <input type="checkbox"/>	Impact:	High <input checked="" type="checkbox"/>	Med <input type="checkbox"/>	Low <input type="checkbox"/>
Action:	Control <input checked="" type="checkbox"/>	Absorb <input checked="" type="checkbox"/>		Avoid <input type="checkbox"/>		Deflect <input type="checkbox"/>	
Mitigation Strategy: Conduct necessary investigations and mitigation to clear project of Archeological artifacts							

3. Risk Name: Utilities							
Probability:	High <input type="checkbox"/>	Med <input checked="" type="checkbox"/>	Low <input type="checkbox"/>	Impact:	High <input type="checkbox"/>	Med <input checked="" type="checkbox"/>	Low <input type="checkbox"/>
Action:	Control <input type="checkbox"/>	Absorb <input checked="" type="checkbox"/>		Avoid <input checked="" type="checkbox"/>		Deflect <input type="checkbox"/>	
Mitigation Strategy: Investigate and relocate as necessary.							

COMMUNICATION MANAGEMENT

Proposed Gate Meetings

For this project, the following gate meetings are proposed:

	Proposed Date
<input type="checkbox"/> Gate 1-1 Entry Gate	N/A
<input type="checkbox"/> Gate 2-1 Project Development	N/A
<input type="checkbox"/> Gate 3-1 Preliminary Design	N/A
<input type="checkbox"/> Gate 3-2 Construction Documents Ready for Contractor Selection	Febr. 2017
<input type="checkbox"/> Gate 4-1 Ready to Issue Letter of Construction Acceptance	Dec. 2017
<input type="checkbox"/> Gate 5-1 Close Out.....	Febr. 2017

PROCUREMENT MANAGEMENT

Proposed Project Delivery Method

The proposed project delivery method for this project is:

- Design-Bid-Build
- Construction Management at Risk
- Design-Build
- Design-Build-Own-Operate
- Job Order Contract
- Managed/Delivered by Others
- To be Determined

APPENDICES

[Attach legible pdf attachments after the Project Charter has been converted to pdf format.]

APPENDIX A – Map with Polygon

[Can be embedded in Charter or as Appendix]

APPENDIX B – Cost Model

[Attach legible Cost Model]

APPENDIX C – Microsoft Project Schedule

[Attach legible MSP Schedule]

APPENDIX D – Team Member Meeting Minutes

[Can be embedded in Charter or as Appendix]

APPENDIX E - CIP Program/Phase Maintenance Request Form

[AKA CAS form. The data on this form must match the data in the Project Charter]



MEMORANDUM

Director's Office
Regional Flood Control District



DATE: December 8, 2010

TO: John Bernal
Deputy County Administrator

FROM: Suzanne S. Slusser, P.E.
Director

SUBJECT: Request to Open New CIP Projects

The Regional Flood Control District (District) is partnering with several departments to advance capital improvement projects and we need to establish new projects as part of our CIP budget. Specifically:

funding only
funding only
Planning & land access only

1. Gardner Lane and I-10 drainage improvements associated with the proposed new laboratory proposed for the upgrade to the Roger Road Water Reclamation Campus. The Regional Wastewater Reclamation Department is designing and will construct certain roadway and drainage improvements. The District will be participating in the funding of drainage improvements from I-10 to the Santa Cruz River.

2. Magee Road and associated reclaimed water line installation. The District is preparing an Intergovernmental Agreement with Metro Water to fund the construction of a reclaimed water line that will provide reclaimed water to the newly constructed CDO River Park and Omni Golf Course. Construction of the reclaimed line is being coordinated with the Department of Transportation's Magee Road improvements.

3. El Corazon de los Tres Rios del Norte project planning and property acquisition. Mr. Huckelberry has directed us to acquire the CalPortland property along Santa Cruz River and Sunset Road. We are also conducting hydrologic studies along the Santa Cruz River in support of future roadway improvements to Silverbell and Sunset roads.

I respectfully request permission to open new project codes for these three projects.

SS/tj

c: Chris Cawein, Deputy Director – Regional Flood Control District
Bill Zimmerman, Division Manager – Planning & Development

APPROVED / DENIED

[Signature]
John Bernal
Deputy County Administrator – Public Works

12/8/10
Date

APPROVED / DENIED

[Signature]
Nanette Slusser
Assistant County Administrator for Public Works Policy

12/8/10
Date

5ROGRD

1	A	B	C	D	E	F	G	H	L
2		Cost Model							
3		Project Line Items							
4		5ROGRD - Calle Auga Nueva Drainage Channel	Original Budget	Current Budgeted/ Contracted	Paid Inception to Date	Remaining Balance	Soft Cost % of Hard Cost	Soft Cost Value	Notes
5		Land Acquisition (RWY)							
6		Contracted RWY Services (RWY)		\$0		\$0	0.0%		
7		Property Purchase (RWY)	\$1,438,114	\$646,639	\$371,453	\$275,186			*considered hard cost; but not in the % calculations-Purchased COT/ Tucson Water Easmt \$235,983. StateLand Easmt & ADOT RW permit.
8		Temporary Easements/Agreements (RWY)		\$0		\$0			*considered hard cost; but not in the % calculations
9		Other (RWY)		\$0		\$0	0.0%		
10		Internal Labor Rollup (RWY)	\$0	\$40,000	\$0	\$40,000	2.8%		
11		Real Prop (RWY)		\$40,000		\$40,000			
12		HP (RWY)		\$0		\$0			
13		DOT (RWY)		\$0		\$0			
14		FM (RWY)		\$0		\$0			
15		NRPR (RWY)		\$0		\$0			
16		RFCD (RWY)		\$0		\$0			
17		RWRD (RWY)		\$0		\$0			
18		Other Depts (RWY)		\$0		\$0			
19		Subtotal RWY	\$1,438,114	\$686,639	\$371,453	\$315,186	2.8%	\$40,000	
20		Project Development (PLN)							
21		Procurement (PLN)		\$0		\$0	0.0%		
22		A/E Services (PLN)	\$74,847			\$0	0.0%		Included in Ruthrauff Basin Management Study.
23		Site Studies (PLN)		\$0		\$0	0.0%		Includes Cultural, Environmental, other
24		Mapping/Survey (PLN)		\$0		\$0	0.0%		
25		IGA or agreements (PLN)		\$0		\$0	0.0%		
26		Other (PLN)		\$0		\$0	0.0%		
27		Internal Labor Rollup (PLN)	\$0	\$0	\$0	\$0	0.0%		
28		HP (PLN)		\$0		\$0			
29		DOT (PLN)		\$0		\$0			
30		FM (PLN)		\$0		\$0			
31		NRPR (PLN)		\$0		\$0			
32		RFCD (PLN)		\$0		\$0			
33		RWRD (PLN)		\$0		\$0			
34		Other Depts (PLN)		\$0		\$0			
35		Subtotal PLN	\$74,847	\$0	\$0	\$0	0.0%	\$0	
36		Design (DES)							
37		Procurement (DES)		\$0		\$0	0.0%		
38		A/E Services (DES)	\$223,000	\$137,918	\$119,440	\$18,478	9.8%		Stantec CT 13*402 authorized \$74,844. DO 16*10519 authorized \$63,074. Remaining \$18,478
39		Geotechnical Services (DES)		\$0		\$0	0.0%		Included in A/E Services for ROMP.
40		Site Mitigation Studies (DES)	\$300,000	\$149,690	\$95,998	\$53,692	10.7%		Includes Cultural, Environmental, Survey- Desert Arch Cultural Resources DO 16*11548
41		Community Relations (DES)		\$0		\$0	0.0%		
42		PM Services (Contracted) (DES)		\$0		\$0	0.0%		
43		CM Services (Contracted) (DES)		\$0		\$0	0.0%		
44		Permits (DES)		\$0		\$0	0.0%		
45		Procurement Bids, Advert & Printing (DES)		\$0		\$0	0.0%		*Construction Contract
46		Commissioning Agent (DES)		\$0		\$0	0.0%		*Construction Contract
47		Other (DES)		\$0		\$0	0.0%		
48		Internal Labor Rollup (DES)	\$47,627	\$12,367	\$10,367	\$2,000	0.9%		
49		HP (DES)		\$0		\$0			
50		DOT (DES)		\$0		\$0			
51		FM (DES)		\$0		\$0			
52		NRPR (DES)		\$0		\$0			
53		RFCD (DES)		\$0		\$0			
54		RWRD (DES)		\$0		\$0			
55		Other Depts (DES)	\$47,627	\$12,367	\$10,367	\$2,000			
56		Subtotal DES	\$570,627	\$299,975	\$225,805	\$74,170	21.4%	\$299,975	
57		Construction (CON)							
58		CM Services (CON)	\$300,000			\$0	0.0%		Either external or internal
59		A/E Services (CON)		\$0		\$0	0.0%		
60		Construction Rollup Costs (CON)	\$2,606,843	\$1,204,400	\$4,400	\$1,200,000			Designated CONSTRUCTION COST for soft cost calc's (varies by project)
61		Construction (CON)	\$2,606,843	\$1,204,400	\$4,400	\$1,200,000			
62		Substantial Completion Milestone (CON)		\$0		\$0			
63		Closeout Activities (CON)		\$0		\$0			
64		Demolition (CON)		\$0		\$0			
65		Construction Survey/Staking (CON)		\$0		\$0			
66		Equipment / Technology (CON)		\$0		\$0			
67		Furnishings (CON)		\$0		\$0			
68		Moving/Startup/Commissioning (CON)		\$0		\$0			
69		Establishment costs (post occupancy) (CON)		\$0		\$0			
70		Capital Equipment (CON)		\$0		\$0			
71		Materials Testing /Special Insp. (CON)		\$0		\$0	0.0%		*only use if not within the contractors bid
72		Site Monitoring (CON)		\$0		\$0	0.0%		Includes Cultural, Environmental
73		Project Commissioning (3rd Party) (CON)		\$0		\$0	0.0%		
74		Post Design/As-Builts (CON)		\$0		\$0	0.0%		
75		Other (CON)		\$0		\$0	0.0%		
76		Internal Labor Rollup (CON)	\$0	\$180,000	\$0	\$180,000	12.8%		
77		HP (CON)		\$0		\$0			
78		DOT (CON)		\$180,000		\$180,000			
79		FM (CON)		\$0		\$0			
80		NRPR (CON)		\$0		\$0			
81		RFCD (CON)		\$0		\$0			
82		RWRD (CON)		\$0		\$0			
83		Other Depts (CON)		\$0		\$0			
84		Subtotal CON	\$2,906,843	\$1,384,400	\$4,400	\$1,380,000	12.8%	\$180,000	
85		Utility Relocation (UTL)							
86		Electric (TEP, Trico)		\$0		\$0			*hard costs, included in calculation
87		Water (Tucson Water, Others)		\$0		\$0			*hard costs, included in calculation
88		Sewer (RWRD)		\$0		\$0			*hard costs, included in calculation
89		Gas (SW Gas, others)		\$0		\$0			*hard costs, included in calculation
90		Communications (UTL)		\$0		\$0			*hard costs, included in calculation
91		A/E Services (UTL)		\$0		\$0	0.0%		
92		Other (UTL)		\$0		\$0	0.0%		
93		Internal Labor Rollup (UTL)	\$0	\$0	\$0	\$0	0.0%		
94		HP (UTL)		\$0		\$0			
95		DOT (UTL)		\$0		\$0			
96		FM (UTL)		\$0		\$0			
97		NRPR (UTL)		\$0		\$0			
98		RFCD (UTL)		\$0		\$0			
99		RWRD (UTL)		\$0		\$0			
100		Other Depts (UTL)		\$0		\$0			
101		Subtotal UTL	\$0	\$0	\$0	\$0	0.0%	\$0	
102		Public Art (PRT)							
103		Artist Contract (PRT)	\$0	\$0	\$0	\$0	0		
104		Internal Labor (PRT) - By Division	\$0	\$0	\$0	\$0	0.0%		
105		Other (PRT)	\$0	\$0	\$0	\$0	0.0%		
106		Subtotal PRT	\$0	\$0	\$0	\$0	0.0%	\$0	
107		Contingency (CTG)							
108		Design Contingency (CTG)		\$0		\$0	0.0%		
109		Construction Contingency (CTG)	\$200,000	\$200,000	\$0	\$200,000			*hard costs, included in calculation
110		Subtotal CTG	\$200,000	\$200,000	\$0	\$200,000	0.0%	\$0	
111		Grand Total	\$5,190,431	\$2,571,014	\$601,658	\$1,969,356	37.0%	\$519,975	
112		Authorized Funding Sources							
113		Flood Control District Levee	\$5,190,431	\$2,571,014					
114		source 2		\$0					
115		source 3		\$0					
116		source 4		\$0					
117		source 5		\$0					
118		Subtotal Funding	\$5,190,431	\$2,571,014					
119		Project budget	\$5,190,431	\$2,571,014					
120		Balance	\$0	\$0					

ID	Task Name	Duration	Start	Finish	Predecessor	% Complete	Copy of %	Cost	Cost1	2016				2017				2018	
										Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4
1	5R0GRD Roger Road and I-10 Drainage Improvement	1733 days?	Fri 7/1/11	Tue 2/20/18		94%	94%	\$2,571,014.00	\$2,571,014.00										
2	Land Acquisition	1450 days	Fri 7/1/11	Thu 1/19/17		100%	100%	\$686,639.00	\$686,639.00										
3	Contracted RWY Services (RWY)	1450 days	Fri 7/1/11	Thu 1/19/17		100%	100%	\$0.00	\$0.00										
4	Property Purchase (RWY)	1450 days	Fri 7/1/11	Thu 1/19/17		100%	100%	\$646,639.00	\$646,639.00										
5	Temporary Easement / Agreement (RWY)	1450 days	Fri 7/1/11	Thu 1/19/17		100%	100%	\$0.00	\$0.00										
6	Other (RWY)	1 day	Fri 7/1/11	Fri 7/1/11		100%	100%	\$0.00	\$0.00										
7	Internal Labor Rollup (RWY)	1450 days	Fri 7/1/11	Thu 1/19/17		100%	100%	\$40,000.00	\$40,000.00										
8	Real Property (RWY)	1450 days	Fri 7/1/11	Thu 1/19/17		100%	100%	\$40,000.00	\$40,000.00										
9	CR (RWY)	1 day	Fri 7/1/11	Fri 7/1/11		100%	100%	\$0.00	\$0.00										
10	DOT (RWY)	1 day	Fri 7/1/11	Fri 7/1/11		100%	100%	\$0.00	\$0.00										
11	FM (RWY)	1 day	Fri 7/1/11	Fri 7/1/11		100%	100%	\$0.00	\$0.00										
12	NRPR (RWY)	1 day	Fri 7/1/11	Fri 7/1/11		100%	100%	\$0.00	\$0.00										
13	RFCD (RWY)	1450 days	Fri 7/1/11	Thu 1/19/17		100%	100%	\$0.00	\$0.00										
14	RWRD (RWY)	1 day	Fri 7/1/11	Fri 7/1/11		100%	100%	\$0.00	\$0.00										
15	Other Depts (RWY)	1 day	Fri 7/1/11	Fri 7/1/11		100%	100%	\$0.00	\$0.00										
16	Project Development (PLN)	1297 days?	Fri 7/1/11	Mon 6/20/16		100%	100%	\$0.00	\$0.00										
17	Procurement (PLN)	1 day?	Fri 7/1/11	Fri 7/1/11		100%	100%	\$0.00	\$0.00										
18	A/E Services (PLN)	1119 days?	Fri 7/1/11	Wed 10/14/15		100%	100%	\$0.00	\$0.00										
19	Site Studies (PLN)	1 day?	Fri 7/1/11	Fri 7/1/11		100%	100%	\$0.00	\$0.00										
20	Mapping Survey (PLN)	1 day?	Fri 7/1/11	Fri 7/1/11		100%	100%	\$0.00	\$0.00										
21	IGA or other agreement (PLN)	160 days?	Tue 11/10/15	Mon 6/20/16		100%	100%	\$0.00	\$0.00										
22	Other (PLN)	1 day?	Fri 7/1/11	Fri 7/1/11		100%	100%	\$0.00	\$0.00										
23	Internal Labor Rollup (PLN)	1119 days?	Fri 7/1/11	Wed 10/14/15		100%	100%	\$0.00	\$0.00										
24	CR (PLN)	1 day?	Fri 7/1/11	Fri 7/1/11		100%	100%	\$0.00	\$0.00										
25	DOT (PLN)	1 day?	Fri 7/1/11	Fri 7/1/11		100%	100%	\$0.00	\$0.00										
26	FM (PLN)	1 day?	Fri 7/1/11	Fri 7/1/11		100%	100%	\$0.00	\$0.00										
27	NRPR (PLN)	1 day?	Fri 7/1/11	Fri 7/1/11		100%	100%	\$0.00	\$0.00										
28	RFCD (PLN)	1119 days?	Fri 7/1/11	Wed 10/14/15		100%	100%	\$0.00	\$0.00										
29	RWRD (PLN)	1 day?	Fri 7/1/11	Fri 7/1/11		100%	100%	\$0.00	\$0.00										
30	Other Depts (PLN)	1 day?	Fri 7/1/11	Fri 7/1/11		100%	100%	\$0.00	\$0.00										
31	Design (DES)	1540 days?	Fri 7/1/11	Thu 5/25/17		92%	92%	\$299,975.00	\$299,975.00										
32	Procurement (DES)	1 day?	Fri 7/1/11	Fri 7/1/11		100%	100%	\$0.00	\$0.00										
33	A/E Services (DES)	320 days	Thu 10/15/15	Wed 1/4/17		100%	100%	\$137,918.00	\$137,918.00										
34	Geotechnical Services (DES)	1 day?	Fri 7/1/11	Fri 7/1/11		100%	100%	\$0.00	\$0.00										
35	Site Mitigation Services (DES)	307 days	Thu 10/15/15	Fri 12/18/16	35SS	100%	100%	\$149,690.00	\$149,690.00										
36	Community Relations (DES)	1 day?	Fri 7/1/11	Fri 7/1/11		100%	100%	\$0.00	\$0.00										
37	PM Services (Contracted) (DES)	1 day?	Fri 7/1/11	Fri 7/1/11		100%	100%	\$0.00	\$0.00										
38	CM Services (Contracted) (DES)	1 day?	Fri 7/1/11	Fri 7/1/11		100%	100%	\$0.00	\$0.00										
39	Permits (DES)	300 days	Thu 10/15/15	Wed 12/7/16	35SS	100%	100%	\$0.00	\$0.00										
40	Procurement Bids / Advert & Printing (DES)	90 days	Fri 12/01/17	Thu 5/25/17	4,33,35	0%	0%	\$0.00	\$0.00										
41	Commissioning Agent (DES)	1 day?	Fri 7/1/11	Fri 7/1/11		0%	0%	\$0.00	\$0.00										
42	Other (DES)	1 day?	Fri 7/1/11	Fri 7/1/11		0%	0%	\$0.00	\$0.00										
43	Internal Labor Rollup (DES)	1540 days?	Fri 7/1/11	Thu 5/25/17		94%	94%	\$12,367.00	\$12,367.00										
44	CR (DES)	307 days	Thu 10/15/15	Fri 12/18/16	35SS	100%	100%	\$12,367.00	\$12,367.00										
45	DOT (DES)	1 day?	Fri 7/1/11	Fri 7/1/11		100%	100%	\$0.00	\$0.00										
46	FM (DES)	1 day?	Fri 7/1/11	Fri 7/1/11		100%	100%	\$0.00	\$0.00										
47	NRPR (DES)	1 day?	Fri 7/1/11	Fri 7/1/11		100%	100%	\$0.00	\$0.00										
48	RFCD (DES)	421 days	Thu 10/15/15	Thu 5/25/17	35SS	90%	90%	\$0.00	\$0.00										
49	RWRD (DES)	1 day?	Fri 7/1/11	Fri 7/1/11		100%	100%	\$0.00	\$0.00										
50	Other Depts (DES)	1 day?	Fri 7/1/11	Fri 7/1/11		100%	100%	\$0.00	\$0.00										
51	Construction (CON)	1733 days	Fri 7/1/11	Tue 2/20/18		0%	0%	\$1,384,400.00	\$1,384,400.00										
52	CM Services (CON)	1 day	Fri 7/1/11	Fri 7/1/11		0%	0%	\$0.00	\$0.00										
53	A/E Services (CON)	1 day	Fri 7/1/11	Fri 7/1/11		0%	0%	\$0.00	\$0.00										
54	Construction Rollup costs (CON)	133 days	Fri 5/26/17	Tue 11/28/17		0%	0%	\$1,204,400.00	\$1,204,400.00										
55	Construction (CON)	132 days	Fri 5/26/17	Mon 11/27/17	40	0%	0%	\$1,204,400.00	\$1,204,400.00										
56	Substantial Completion Milestone (CON)	1 day	Tue 11/28/17	Tue 11/28/17	55	0%	0%	\$0.00	\$0.00										
57	Construction Closeout (CON)	10 days	Fri 5/26/17	Thu 6/8/17	40	0%	0%	\$0.00	\$0.00										
58	Demolition (CON)	1 day	Fri 5/26/17	Fri 5/26/17	40	0%	0%	\$0.00	\$0.00										
59	Construction Survey/Staking (CON)	1 day	Fri 5/26/17	Fri 5/26/17	40	0%	0%	\$0.00	\$0.00										
60	Equipment/Technology (CON)	1 day	Fri 5/26/17	Fri 5/26/17	40	0%	0%	\$0.00	\$0.00										
61	Furnishings (CON)	1 day	Fri 5/26/17	Fri 5/26/17	40	0%	0%	\$0.00	\$0.00										
62	Moving/Startup (CON)	1 day	Fri 5/26/17	Fri 5/26/17	40	0%	0%	\$0.00	\$0.00										
63	Establishment Costs (post occupancy) (CON)	1 day	Fri 5/26/17	Fri 5/26/17	40	0%	0%	\$0.00	\$0.00										
64	Capital Equipment (CON)	1 day	Fri 5/26/17	Fri 5/26/17	40	0%	0%	\$0.00	\$0.00										
65	Materials Testing/Special Inspections (CON)	1 day	Fri 5/26/17	Fri 5/26/17	40	0%	0%	\$0.00	\$0.00										
66	Site Monitoring (CON)	1 day	Fri 5/26/17	Fri 5/26/17	40	0%	0%	\$0.00	\$0.00										
67	Project Commissioning (3rd Party) (CON)	1 day	Fri 5/26/17	Fri 5/26/17	40	0%	0%	\$0.00	\$0.00										
68	Post Design/As-Built (CON)	60 days	Wed 11/29/17	Tue 2/20/18	56	0%	0%	\$0.00	\$0.00										
69	Other (CON)	1 day	Fri 5/26/17	Fri 5/26/17	40	0%	0%	\$0.00	\$0.00										
70	Internal Labor Rollup (CON)	132 days	Fri 5/26/17	Mon 11/27/17		0%	0%	\$180,000.00	\$180,000.00										
71	CR (CON)	1 day	Fri 5/26/17	Fri 5/26/17	40	0%	0%	\$0.00	\$0.00										
72	DOT (CON)	132 days	Fri 5/26/17	Mon 11/27/17	40	0%	0%	\$180,000.00	\$180,000.00										
73	FM (CON)	1 day	Fri 5/26/17	Fri 5/26/17	40	0%	0%	\$0.00	\$0.00										
74	NRPR (CON)	1 day	Fri 5/26/17	Fri 5/26/17	40	0%	0%	\$0.00	\$0.00										
75	RFCD (CON)	132 days	Fri 5/26/17	Mon 11/27/17	40	0%	0%	\$0.00	\$0.00										
76	RWRD (CON)	1 day	Fri 5/26/17	Fri 5/26/17	40	0%	0%	\$0.00	\$0.00										
77	Other Depts (CON)	1 day	Fri 5/26/17	Fri 5/26/17	40	0%	0%	\$0.00	\$0.00										
78	Utility Relocation (UTL)	1 day?	Fri 5/26/17	Fri 5/26/17		0%	0%	\$0.00	\$0.00										
79	Electric (TEP, Trico)	1 day	Fri 5/26/17	Fri 5/26/17		0%	0%	\$0.00	\$0.00										
80	Water (Tucson Water, Others)	1 day?	Fri 5/26/17	Fri 5/26/17		0%	0%	\$0.00	\$0.00										
81	Sewer (RWRD)	1 day?	Fri 5/26/17	Fri 5/26/17		0%													

CIP Project/Subproject Maintenance Request

Seq No.	Specification Attribute	Specification Value
1	BOND NO (IF APPLICABLE)	
2	CENTER NO (IF KNOWN)	4100 - X500033
3	PROJECT NO (IF KNOWN)	5ROGRD
10	CIP NUMBER (IF KNOWN)	FC-03-002
11	PROJECT NAME (TITLE)	Roger Road and I-10 Drainage Improvement
20	USE NOTES BELOW FOR SCOPE & BENEFIT	
21	PLN BUDGET (PLANNING)	\$300,000
22	DES BUDGET (DESIGN)	\$403,000
23	UTL BUDGET (UTILITY RELOC)	\$0
24	RWY BUDGET (LAND)	\$1,238,000
25	CON BUDGET (CONSTRUCTION)	\$2,956,000
26	PRT BUDGET (PUBLIC ART)	
30	SUPERVISOR, OR ENTER "CIP"	CIP
31	PROJECT MANAGER	Bill Zimmerman
32	TOTAL PROJECT BUDGET (PROJECT LIMIT)	\$5,000,000
33	PROJECT LOCATION (MAPPING & GIS)	Latitude: 32.289244; Longitude: 111.028410
34	SUPERVISOR DISTRICT	3 - Sharon Bronson
35	OTHER JURISDICTION TO MANAGE? YES/NO	No
36	% PIMA COUNTY OWNED	100%
37	CAPITAL ASSET OR NONCAPITAL?	Capital
38	SEE NOTES FOR MORE INFO. YES/NO	No
39	SPARE/NOT USED	

NOTE 1:

Scope & Benefit:

Roger Road and I-10 drainage improvements associated with proposed Roger Road Water Reclamation Campus. Pima County Regional Wastewater Reclamation Department to design and construct certain roadway and drainage improvements. Pima County Regional Flood Control District to participate in funding of drainage improvement from I-10 to Santa Cruz River through an Intergovernmental Agreement or Memorandum of Understanding.

NOTE 2: Project Manager will be informed when project is established in database by CIP Unit so budget/projections and project schedule can be entered.

Funding Sources

Seq No	Funding Source	Amount	Fiscal Year
1	Flood Control Tax Levy	\$500,000	11/12
2	Flood Control Tax Levy	\$1,441,000	12/13
3	Flood Control Tax Levy	\$2,956,000	13/14
4			
5			
6			

Total = \$4,897,000