Community Development Department Capital Project Status Report For

November 2011

MILESTONE EVENTS

10-01, Ph 2 Irrigation Rehabilitation Project	Council will accept construction contract on Dec. 6 th .
10-06, 2010/11 ADA Improvements	Council will accept construction contract on Dec. 6 th .
11-24, I-5 & CR-102 Landscaping	Consultant selection process underway for landscape designer
12-02, Oxidation Ditch Retrofit – Phase 1	Consultant selection process underway for designer

ADMINISTRATION

Project: Engineering Standards

Phase: Admin PM: Karoly

Description: Preparing an update to the Engineering Standards to add changes resulting from Caltrans

updated Standard Specifications and other misc. changes.

Status: • Final Draft Addendum #3 circulating for staff review.

DETAILED PROJECT LISTING

Project: 97-24, Interstate 5 & County Road 102 Interchange Improvement

Phase: Construction PM: Ayon

Description: This project consists of the construction of a southbound I-5 on-ramp, modifications to the

existing on-ramps and off-ramps, widening CR 102 from two to four lanes between the NB ramp terminal and the SB ramp terminal, and widening CR 102 to six lanes from the SB ramp

terminal to Maxwell Avenue.

Status: • Contractor started work during August 2010 and construction completion is

expected in December 2011.

Contractor grinding and paving CR-102 between Maxwell Avenue and East

Main Street.

Project: 98-01, Matmor and E. Gum Traffic Signal

Phase: Design PM: Camacho

Description: Install a new traffic signal at the intersection of E. Gum and Matmor. The project is a CEQA

requirement of the Parkside development project. Project will install turn pockets and make

any needed ADA improvements

Status: • Traffic Engineering staff's recommendation of the parking restriction was presented to the Traffic Safety Commission on May 2 and was unanimously approved 3-0.

Designing traffic signal using approved recommendation of the parking restriction.

Project: 00-04, Lemen, North and East Streets Realignment

Phase: Design PM: Ayon

Description: This is a Federal Aid project to realign Lemen Avenue opposite North Street, install a traffic

signal, and construct a median on East Street at Court Street to prevent left turns to and from Court Street. Signal interconnects between Main Street and North Street will be included.

Status:

- State Funding: Per Caltrans' and FHWA's request, City staff must complete utility relocation process for all project work that includes City utilities (new FHWA requirement) Once the utility relocation process is complete, Caltrans and FHWA will finish processing staff's request for construction funding authorization.
- Completing design documents and including plan review comments.
- <u>Undergrounding District:</u> Coordinating with PG&E to relocate underground facilities prior to construction.
- Staff plans to bid the project in winter 2012 and start construction in spring 2012.

Project: 00-06, I-5 and Highway 113 Interconnect, Phase 2

Phase: Design PM: Ayon

Description: This project includes the construction of the freeway to freeway connector from northbound

I-5 to southbound SR 113. This project is being designed and managed by Caltrans.

• Caltrans is managing Right of Way acquisition and utility relocation; 4 parcels left to acquire for right-of-way and utility relocations.

• City is considering delaying this project.

Project: 01-04, Traffic Model Update

Phase: Pre-Engineering **PM:** B. Meyer

Description: The project includes an update of the City's Traffic Model to reflect changes due to

development, and zoning of new growth areas and the update of the Streets Master Plan to

address changes in growth, zoning, and the general plan update.

• Council approval is planned for fall 2011.

Project: 05-09, Main Street widening (west bound), East to 6th Streets

09-18, East & Main Storm Drain Deficiency Replacement/Repair

Phase: Construction PM: Burnham

Description: The 05-09 project will widen the north side of Main Street from East Street to Sixth Street by

widening to allow two lanes of westbound traffic through the intersection.

The 09-18 project will construct new 18" storm main crossing of RR tracks to replace one of

two 6" pipe crossings.

Status: • The City Contractor has completed their contract work.

• PG&E installed a new underground conduit across East Street and will be installing new wires later in November. Upon completion of the PGE switch-over to the new wires, the City will remove a conflicting section of PGE conduit

that was left in place in the new storm drain pipe.

Project: 06-09, SCADA System - Water

Phase: Construction PM: Okupe/Heath

Description: The project includes the installation of the main operations SCADA system at the MSC, a

system-wide communications system, and PLCs and controls at the well sites.

• Auburn Constructors has completed the installation of the system equipment.

Stantec Consulting is proceeding with developing the programming. Project

expected to be fully operational by January 2012.

Project: 06-12, Springlake East Regional Pond

Phase: Construction PM: Cocke

Description: This project will landscape the center island and western portions of the existing Spring Lake

East Regional Pond. Native plants and grasses will be used to minimize future maintenance

and create/maintain a natural habitat.

Status:

• The Yolo County Resource Conservation District has been growing native plant

material for vegetating the site. Planting has begun, the fall rains have germinated

the non native plants so that they can be controlled.

Project: 08-07, Surface Water Project

Phase: Design PM: Baxter

Description: This project includes a regional water supply project jointly funded with the City of Davis

and UCD. It would provide 27 million gallons of water per day, including storage tanks and related water transmission lines to get the high quality water into the City. Existing wells

would be used to supplement peak hour and peak day water demands.

Status: • Final Request for Proposal documents for the Design Build Operate contract is

expected to be adopted by JPA in January 2012. Public involvement meetings and outreach is continuing. CEQA documents for amendment of water right

permit underway.

Project: 08-21, Annual Sewer Repair and Replacement

Phase: Design PM: Chavez

Description: Repair and/or replacement of existing sewer mains and laterals based on priorities as

determined during routine maintenance work and video surveys of facilities.

Status:

• Investigating sewer trunk mains from Beamer & CR 102 to SS lift station at E. Main Street for purposes of designing rehabilitation.

- CCTV to investigate and report on existing sewer mains in the Sycamore Ranch/South-East Area part of town. This is the area of town where the "sinkhole" occurred a few months ago. Investigation is complete and staff is **reviewing** the final report. A few cracks, breaks **and offsets** were found and staff will determine the best approach on dealing with these issues.
- Issuing RFP to video inspection companies to provide services to investigate and report on existing 'Orangeburg' laterals for future replacement.
- Designing sewer point repairs at various locations around town.
- Kentucky Ave Trunk Main east of Pioneer: Blackburn Consulting performed soils
 investigation work and provided a report. Determining location of utility (PGE,
 ATT, WAVE) facilities and proceeding with design to replace existing 30" concrete
 pipe.

Project: 08-28, Modify Well Casings

Phase: Design PM: Baxter

Description: Work to include modifications to well casings to extend life expectancy and reduce the level

of nitrates in the well water. Specific wells) to be modified will be determined the year before work is to be done. At this time the most likely of wells to be modified are Wells #5, 10, 11, 13, and 17. Work will also include video inspection, cleaning, doing minor repairs to pump

shaft and bearings and minor repairs to casing.

Status: • Video inspections of Wells 17 and 5 are underway. Work is being coordinated

with the Surface Water Project..

Project: 08-33, 1st Ground level Storage Tank

Phase: CEQA PM: Okupe

Description: This project would include building a new ground level 3 million gallon tank with a booster

pump station. Current probable location is at the west end of the holding pond at the comer of CR 98 and El Dorado. Pipeline work to connect to existing system at El Dorado and Ashley

is included.

• Council adopts initial study, pre-design report completed by West Yost, Consultant to proceed to preparation of bid documents.

• As requested by Council the visual impacts have been reduced by reducing the width of the tank, partially burying the tank deeper and adding more trees for screening. Landscaping will be reviewed by the Parks Commission.

Page 4 of 12 11/15/2011 CDD - Capital Project Status Report Dec 6, 2011 CC.docx **Project: 08-58, Downtown Beautification**

Phase: Design PM: Karoly

Description: Enhance downtown's role as the government, dining, entertainment, cultural and

retail/specialty center of the community. Also preserve, as appropriate, historic architectural features. Project limits are Main Street from East Street to Third Street. **Improvements** include curb bulb-outs at intersections, traffic signal at 5th and other features **in the public right of way** as appropriate or affordable. Funded by a SACOG 2010 Community Design

Grant.

Status: • Preliminary design work underway. Construction funding will not be available until

Federal FY 2013.

• Frontage improvement ideas from Freeman Park enhancements will be

incorporated into project as appropriate.

Project: 09-15, FloodSAFE Yolo

Phase: Pre-Design PM: Cocke

Description: This project engages local, regional state and federal agencies in the development of

comprehensive strategies to minimize the risk of flooding from Lower Cache Creek while enhancing water supply and the ecosystem in a manner that reflect community values. The FY 2011 focus areas will be on initiating studies in cooperation with the US Army Corps of Engineers, California Department of Water Resources and other regional agencies and

outreach that will inform the community of the conceptual solution.

• Due to a lack of federal funding, the state and local agencies are developing agreements to accelerate their studies and pay for the federal sponsor to provide QA/QC of their work so that when federal funding is available the federal portions

will proceed in a timely manned. In addition, A meeting wes held with John Garamendi, the new House Representative for Woodland, and he was given information that I-5 will flood and become impassable during a 30 year event.

Project: 09-21, Series Street Light Replacement, Phase 3

Phase: Design PM: Chavez

Description: Design and construct a replacement lighting system for about 1/3 of the Gibson-College

circuit.

• CDBG Funding approved for first part of Phase 3 replacement in the Gibson-

College circuit. Awaiting approval of 2011 CDBG plan by HUD.

Project: 09-22, Water Meter Phase 2

Phase: Construction PM: Heath

Description: Grant funded project to install water meters on existing unmetered water services throughout

the city. Project design was managed by PW; Construction is managed by CDD. Grant is primarily funded by American Reinvestment and Recovery Act (A.R.R.A.) funds.

Status: • Work started on September 28, 2009.

 The contractor has completed approximately <u>9,600</u> meter conversions. Contract work was completed on October 28, 2011.A contract to meter condominiums is

being prepared. This is being referred to as Phase 3 work.

Project: 09-24, Pioneer Avenue Widening from Gibson Avenue to Farmers Central Road

Phase: Design PM: Fong

Description: Widen Pioneer Avenue to ultimate width (4 lanes) from Gibson to the future Collector 4

intersection (also High School entrance). Includes installing Traffic Signal at

Pioneer/Collector 4, transitioning from full width road section north of Collector 4 to the existing two lanes south of Collector 4, and related sewer and storm drain improvements.

Status: • Project is under design; construction delayed until funding is resolved.

Project: 09-25, County Road 25A from County Road 101 to State Highway 113

Phase: Design PM: Fong

Description: Pavement rehabilitation and widening of County Road 25A between Highway 113 and

County Road 101. Final configuration will be a 2-lane roadway.

Status: • Design funding provided by Pulte (Centex) in January 2010.

Project is under design

Project: 09-27, Pioneer Widening from Farmers Central Road to Heritage Parkway

Phase: Construction PM: Heath

Description: Construct 2-lanes of future 4-lane roadway, including street lighting, along Pioneer Avenue,

south of Farmer's Central Road to Pioneer/Parkland to Parkland/Heritage Parkway, to

provide better connectivity within Springlake area.

Status: • Construction started on July 25th. Rough grading, sewer, water and storm drains,

joint trench, and the roadway base have been completed, currently working on

curb and gutter installation.

09-31, Storz Pond Maintenance Project:

PM: Cocke Phase: Construction

Description: This contract with the YCRCD will provide on-going maintenance of the pond for minimal

cost. Maintains Storz Pond to meet City and area-wide drainage needs. Funding is from

Storm Drain In-Lieu revenue already collected.

Status: Fall vegetation maintenance will begin after the early fall rains germinate the

broadleaf vegetation on the site.

Project: 10-01, Irrigation Rehabilitation Phases 2 and 3

Construction (ph 2) **PM:** Burnham (ph 2) Phase:

> Design (ph 3) Karoly (grant admin & ph 3)

Description: This project will upgrade existing irrigation systems to conserve on energy and water use.

> Proposition 50 Grant funds must be spent by December 2012. Project work includes installing centralized irrigation control, booster pumps, replacing in-ground irrigation systems

and turf repair/replacement.

Phase 2 work (2011) City, Harris, Cline, Douglass, and Schneider Parks is Status: scheduled for Council acceptance on December 6th.

> Phase 3 (2012) work will include complete replacement of the irrigation systems at Beamer Park (& Circle), Freeman, Tredway Parks, and Buchignani Field (depending on budget since County owned), and installation of controllers at Everman, Clark Field, Roddy, Traynham, Streng Pond and Woodland Cemetery. This work will be

constructed during summer 2012.

o Reviewed 50% plan submittal and returned comments to Callander

Associates.

Preparing Quarterly (Jul-Sept) report and invoice for submittal to State.

Project: 10-06, 2010/11 ADA Improvements

Completed PM: Camacho Phase:

Project will re-construct ADA required improvements such as curb ramps, driveways and **Description:**

sidewalk to improve existing pedestrian paths of travel in the public right of way.

Status: The construction contract was awarded to RSC and a notice to proceed was issued with a July 11th starting date. Construction was complete September 27th. Council

Final Acceptance and Notice of completion is scheduled for December 6th

Project: 10-07, East Kentucky Rehab (East to Harter)

Phase: Design PM: Karoly

Description: Project will rehabilitate E. Kentucky from East Street to Harter Avenue; including adding

bike lanes to close the bike system gap on Kentucky. The project will reconstruct the pavement, valley gutters and curb. This project is Federal-Aid funded by SACOG in 2012.

Local funds are being used for design.

Status:

• Design work proceeding. Determining location of utilities (PGE gas, ATT, WAVE,

City Water) during design process.

• Preparing NEPA and CEQA documentation.

• Scheduled for bidding Mar-Apr 2012.

Project: 10-08, Well 28 at Freeman Park

Status:

Phase: Construction PM: Olmedo

Description: The project will construct new water well to replace the existing Well # 1. The new well will

be constructed at Freeman Park.

• Phase I: Drilling of new well is currently underway. Expected to be completed

by mid December.

• **Design** for the above ground facilities **is almost complete**.

Project: 10-09, Gibson Ranch Landscaping; Spring Lake Ct. & Bourne Dr.

Phase: Design PM: Karoly

Description: Install landscaping along the south side of Spring Lake Court and at the north end of Bourne

Drive. These improvements are the last remaining portions of landscaping in the public right

of way to be completed in the Gibson Ranch development.

Status: • Construction will be coordinated with Phase 3 of the Parks Irrigation Rehab (10-01)

project. Work will be performed during Summer 2012.

• Reviewed 50% plan submittal and returned comments to designer.

10-11 Treatment Plant Expansion – Biosolids **Project:**

PM: Cocke Phase: Construction

Description: This project consists of the disposal of biosolids that have accumulated in the storage ponds

at the Water Pollution Control Facility (WPCF). To date, over twenty years of biosolids have been stored in approximately five storage ponds and the Regional Water Control Board requested that the City present a disposal plan during the application process for the waste discharge permit adopted in February 2009. The Regional Board will expect the City to begin the process for biosolids removal from the ponds in accordance with the submitted plan. The disposal plan includes removing one pond from service every other year, dry out the solids and have a disposal company contracted to remove the biosolids for either landfill disposal or farmland application. If the City does not follow through with the biosolids disposal plan by the end of the new NPDES permit cycle, which will be in 2014, then we can anticipate the Regional Board will give the City a biosolids requirement that may prove to be very costly to comply with in the next NPDES permit.

Status:

The North Ponds # 1 through #8 have been cleaned out and the bio-solids have been moved into Pond #9. This portion of the project was accelerated in order to allow the cleaned ponds to be available to the DBO contractor as a borrow area for construction of the new Water Treatment Plant for the woodland Davis Water Supply Project. The total volume of material moved was ~134,000 cubic yards of bio-solids. These bio-solids have been tested to be "Class A" which could facilitate their use as a soil amendment. Pond # 10 of the south pond is also being cleaned out to tests whether it is feasible to dry and haul a pond in a single summer without causing an odor problem offsite. Pond #10 was successfully dried this summer without causing an offsite odor problem. The materials in the pond also tested out as Class A.

Project: 11-14, 36" Water Main – East Street to Pioneer Avenue

Phase: Design PM: Olmedo

Description: Install a 36 inch water main instead of a 12 inch water main in the Spring Lake area to meet

the needs of the surface water project.

Status: Design and preparation of contract documents underway.

Scheduled for bidding in August 2012.

Project: 11-15, Community Center – Sports Park Frontage Landscaping

Design Phase: PM: Olmedo

Fronting landscape along the south side of Sports Park Drive as well as the 10' bike path of **Description:**

the Community Center/Sports Park Master Plan.

Status: Project will be managed concurrently with CIP 11-14, 36" Water Main from East to Pioneer.

Requesting design proposal from 36" Water main designer, Cunningham

Engineering for landscape design services.

Project: 11-24, I-5 & CR 102 Interchange Landscaping

Phase: Pre-Design PM: Ayon

Description: This project is the landscaping phase of the 1-5/CR-102 Interchange Improvements Project

(#97-24).

Status: • Received Statement of Qualifications (SOQ) from 13 firms to hire a landscape

designer. Staff is reviewing and scoring all submittals to create a short list. The short listed firms will be interviewed and will submit proposals. Staff expects to have a landscape designer on board and ready to begin design during the

first quarter of 2012.

Project: 11-27, Main St and Cleveland Traffic Signal Improvements

Phase: Pre-Design PM: Camacho

Description: This project will upgrade the existing intersection and traffic signal equipment and will install

vehicle detection on Cleveland St, new signal poles, new signal heads, pedestrian audible signals, and pedestrian signal heads. Project will also reconstruct the non-compliant ADA curb ramps at the intersection. This intersection is one of the top 10 accident locations, thus

its selection for grant use.

Status:
• Base survey has been completed.

• Authorization to begin design work was received from Caltrans.

Commencing design work.

Project: 12-02, Oxidation Ditch Retrofit – Phase 1

Phase: Pre-Design PM: Cocke

Description: During the analysis done by Carollo Engineers for the Woodland Davis Regionalization

Study, it was learned that the present ditch rotor system was not performing at a level to give the Water Pollution Control Facility (WPCF) its rated capacity for solids (Biological Oxygen Demand) of 8.0 MGD. The several rotor sets are reaching the end of their useful life and are scheduled to be replaced. Instead of replacing the inadequate rotor system, it is proposed that a new solids aeration system be retrofitted into the existing ditches to raise the solids capacity to match the existing hydraulic capacity (10.4 mgd). This project will result in increasing the solids capacity of the WPCF to match the hydraulic capacity of 10.4 mgd. It will also

improve "settling characteristics" in the clarifiers and better UV disinfection and save \$100K

per year in electric costs when the WPCF is operating at capacity.

• A RFP was sent to the three city on-call sewer consultants and Carollo Engineers for proposals for final design and construction management services. This will help refine budgets for the project and facilitate going out for construction. **The RFP is**

due on 11/10/2011.

Project: 12-03, WWTP Headworks Concrete Repair

Phase: Design PM: Cocke

Description: The concrete in the top of the screw pump lift station and inlet channel has deteriorated over

time from hydrogen sulfide corrosion. This has exposed the concrete aggregate and could expose the structural steel. Develop bid documents for repair, bid project, construction

management, repair concrete and bypass pump during repair.

Status: • The Headwork's concrete repair area and a void in the clarifier bottom will be

repaired using a high strength grout. The Headwork's grade beam will also be epoxy coated to reduce the potential for sulfide corrosion in the future. The trash compactor replacement with a JWC unit by staff will also be added to this project.

Project: 12-04, 2011/12 ADA Improvements

Phase: Pre-Design PM: Camacho

Description: Project will construct ADA required improvements such as compliant curb ramps, driveways

and sidewalks to improve existing pedestrian paths. The project will continue the W. Beamer St priority path (Ashley to West St.) that was started with the 2010/2011 ADA Improvement Project. It will also continue with the City's ADA curb ramp priority list, which has various

locations through out the City.

Status: • Processing CDBG (HUD) paper work.

Project: 12-05, Surface Water – Local Pipelines, Phase 1

Phase: Pre-Design **PM:** Baxter

Description: These pipeline projects are needed as part of the surface water project to improve water

quality and offset the declining water quality from the groundwater supplies. The pipeline

will be used to convey the surface water to all areas in the City. The pipelines for

improvement before surface water project is complete are Farmers Central Pipe from East St to Ashley Ave. Then pipe connections from Farmers Central to the distribution system and a

new Miekle Ave pipeline.

Status: • Staff received design proposal from Brown and Caldwell, design to commence soon.

Project: 12-06, 2nd Ground Level Storage Tank – Phase 1

Phase: Pre-Design PM: Okupe

Description: This project will build a new ground level 2 million gallon tank with a booster pump station.

The tank will be located in the northeast area of the City to improve water quality in the future. Pipeline improvements work to connect to existing system and regional pipeline from

the WTP are included.

Status: • Report on evaluation of Kamilos site 80% complete, Report to be completed by

week ending October 14, 2011.

12-07, 2012 Road Maintenance Project **Project:**

PM: Burnham Phase: Construction

Description: Project will perform pavement maintenance seals on the area bounded by CR102, SR113, I-5

and Gibson Road

Status: Construction was started in September and completion is expected by early

November

12-08, Freeman Park - Farmers Market **Project:**

Phase: Pre-Design PM: Shallit

Description: Prepare a plan to provide amenities for the Farmers Market at Freeman Park. Improvements

will be coordinated with the Parks Irrigation Rehabilitation Project (CIP 10-01) and the new

Water Well 28 (CIP 10-08).

Status: Indigo/Hammond & Playle Architects are preparing preliminary plans based on staff

and citizen input.

Council study session scheduled for Nov. 29th...

Project: 12-09, Water Meter Ph. 3

PM: Okupe, Heath Phase: Design

Description: Project will install water meters at common-ownership multi-family (MF) complexes and

other commercial properties using city only funds.

Status: Preparing designs for MF sites

> Preparing plans and specifications for changeover of condominium type properties (Phase 3). Final quantities and scope of work will be determined after completion of Phase 2 work. Bidding is scheduled for winter 2011.

> Researching and obtaining needed permissions to enter properties for installation and maintenance of city meters.

12-10, Water Meter Road Maintenance **Project:**

Phase: Design PM: Wurzel

Description: Project will perform pavement maintenance work on roadways with pavements cuts from the

Ph 2 Water Meter installation work.

Status: Commencing design work.