



City of Woodland

REPORT TO MAYOR AND CITY COUNCIL

AGENDA ITEM

TO: THE HONORABLE MAYOR
AND CITY COUNCIL

DATE: February 17, 2009

SUBJECT: Capital Budget Execution Status Report

Report in Brief

The procedures approved with the Capital Budget authorized the City Manager to award design/consultant service contracts and to issue Invitations for Bid for construction contracts within approved scope and budget. A Capital Budget Execution Status Report is attached showing recent actions taken relative to the Capital Budget.

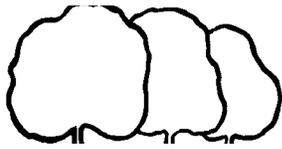
Staff is available to address any questions Council may have.

Prepared by: Michael Karoly
Sr. Civil Engineer

Reviewed by: Barry Munowitch, AICP
Assistant City Manager

Mark G. Deven
City Manager

Attachment: Capital Budget Status Report



MILESTONE EVENTS

00-04, Lemen & East Street Utilities	Construction for sewer done; installing larger meter to YCHA during January.
03-28, WWTP Chemical Facilities	Construction underway; completion by April 2009
07-44, 2008 Road Rehabilitation (Lincoln Ave)	Weather hold - slurry seal work scheduled for spring 2009.
07-18, Park Irrigation Rehab-Camarena/Christensen Parks	Construction underway, completion by March 2009
07-24, MPFP Update	Council adopted the 2008 Major Projects Financing Plan on December 16, 2008. Project is now complete.
08-08, Water Meter	Opened Bids on Jan. 20 th ; recommending Award Jan. 27 th CC.
08-55, Facilities Master Plan	Selected FEA (Facilities Engineering Associates) to negotiate services

DETAILED PROJECT LISTING

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

Phase: Design **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:**
- Completing design documents, including some redesign to match improvements constructed by Gateway.
 - Completing Right of Way certification request documents, including utility agreement with PG&E, for Caltrans review/approval. PG&E requirements delaying project schedule. PG&E is finalizing the tower relocation design, has recently revised the estimate, and has determined the limits of additional easement the City is required to obtain for the tower relocation. City is obtaining landowner signature (Petrovich) on the additional PGE easement deed. Also, PG&E has recently determined that the gas main that serves Gateway is in conflict with the tower relocation. The gas main will need to be relocated and the City has completed gas relocation forms required by PG&E. PG&E is currently working on the gas relocation design.
 - Anticipate bidding the project 1st quarter 2009.

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

Phase: Design **PM:** Camacho

Description: Construct a new traffic signal at the intersection of East Gum Avenue and Matmor Road.

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

- Status:**
- Developer (Parkside) started design; City will modify the design to allow additional on-street parking after Parkside turns over the plans to the City.
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Project: 00-04, Lemen, North and East Streets Realignment

Phase: Design & RW **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. Further modifications to North Street, Fifth Street, and Court Street may be identified after the signal is operational. The existing water and sewer lines along Lemen Avenue are in need of rehabilitation and the water line will be realigned to the proposed street.

- Status:**
- Right of Way acquisition: acquired RW from 2 property owners and are in escrow with another property owner.
 - Railroad Coordination: The City recently asked the railroad to update their prior estimate to synchronize the railroad crossing with the City's traffic signal. California Northern Railroad has a new process for completing this work. The railroad said the City must fill out an application and pay the application and design fees prior to the railroad beginning design and estimating the cost. Once the railroad completes their design and cost estimate, they will take up to three months to put together and execute a railroad agreement with the City. The City will need this railroad agreement executed prior to obtaining Right-of-Way Certification from Caltrans.
 - Completing design documents. In-house signal design is in process.
 - PG&E, ATT & Wave Broadband are preparing the Undergrounding District design. The Utility Companies plan to begin construction in March 2009 and complete during Summer 2009. PG&E has budgeted \$300,000 of Rule 20A funds for this project. The City is coordinating with PG&E to maintain lighting on the poles after they underground the utilities until new lights are installed by City's contractor. The City's project will remove and replace the lighting that is currently on the poles during construction of the City's project.
 - City sewer and water designed and bid separately from the roadwork; contract awarded September 16, 2008; construction for city water and sewer began October 13, 2008. Construction of the water and sewer is nearing completion.
 - Construction of roadwork is expected to begin Fall 2009 after Utility undergrounding work and railroad coordination is completed.
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Project: 00-06, I-5 and Highway 113 Interconnect, Phase 1

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.

Project: 00-06, I-5 and Highway 113 Interconnect, Phase 1

- Status:**
- Design is substantially complete. There are a few follow-up items regarding aesthetics and Right of Way coordination.
 - Caltrans is pursuing Right of Way acquisition and utility relocation. Right-of-Way from three parcels has been acquired; Caltrans is in negotiation with three other property owners and has rescinded an offer with another property owner. Utility relocation letters have been sent to utilities in conflict with the project. The City received a utility relocation letter for City utilities in conflict with this project. The letter from Caltrans says the City needs to provide plans to Caltrans for the utility relocations by March 31, 2009 so Caltrans can have time to acquire any necessary easements for the utility relocations. The City is currently reviewing proposals from Brown & Caldwell and West Yost Associates to complete the utility relocation design.
 - Staff is trying to negotiate advance funding with SACOG based on \$2.4 million in future STIP.
 - Staff is working with SACOG and others to try to fund the construction component of the project. There is a possibility of receiving project funding from Proposition 1B, federal reauthorization, or the proposed federal economic stimulus plan.

Project: 00-15, Community and Senior Center, Phase 1**Phase:** n/a**PM:** Mitchell (Ponticello Enterprises)

[Karoly, PW]

Description: The 40 acre site houses both the community center and senior center, and includes a banquet facility, gymnasium, numerous rooms for meetings, games, classes and crafts, kitchens, open space, and offices for Senior's and PR&CS Recreation Administration staff. The 40-acre site also includes an amphitheatre and parking. A synthetic soccer/softball field was constructed. The storm drain retention pond was placed on the adjacent property to the east, which will become the Springlake specific plan west regional detention pond. Off-site improvements included water and sewer systems extensions, a ped/bike path, traffic signal at East and Road 24A, and a Rule 20A utility undergrounding district.

- Status:**
- Record Drawings are nearly completed, which will be melded with the Phase 2 plans.
 - Seeking consultant to provide "2nd opinion" of Geothermal System performance.

Project: 01-01, County Well Acquisition**Phase:** Pre-Engineering**PM:** Baxter

Description: The City will lease and operate a groundwater well constructed and owned by Yolo County. The well was constructed in 1987 to municipal standards. The City will upgrade the well site to meet current City well site standards. The well is located adjacent to the County's Sheriff's administration building at East Gibson.

- Status:**
- City is continuing negotiations with the County to permanently operate and maintain the County well (at the Jail Facility) as a part of the City water system. Consultant has been hired to evaluate modifications needed to proceed with the public utilization of the well.

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.**Status:**

- The Street Master Plan is scheduled to go to the Planning Commission and Council this fall.

Project: 01-23, Gibson Road Overcrossing**Phase:** Pre-Engineering **PM:** Camacho**Description:** Construction of a Pedestrian/Bicycle Overcrossing on Gibson Road, connecting the north side of the Gibson Road Ped/Bike overcrossing to Brannigan Avenue. The proposed placement of the Overcrossing is located on the south side of Gibson Road at the property line of the Woodland Community College and Pioneer High School and on the north side, along the back of the proposed new Woodland Elementary School.**Status:**

- The City has received the preliminary design from Mark Thomas.
- The preliminary right of way needs have been determined and have been incorporated into the Tentative Map for the Gibson/Ogden development project.
- Project design is on hold pending further direction.

Project: 02-45, Cemetery Revitalization**Phase:** Construction **PM:** Gentry**Description:** The City Council adopted a Master Plan for the City Cemetery in September 2002. In that document a series of Capital improvement projects are outlined which will expand the number of grave sites, improve the appearance of the grounds and reduce the maintenance effort at the Cemetery. Projects include the abandoning of several roadways within the cemetery and converting these areas to grave sites, a new automatic irrigation system, a new landscape treatment for the "high" lots within the cemetery and the creation of a new columbarium niche garden area.**Status:**

- Phased sod installation is in progress and construction completion is anticipated in Spring 2009.

Project: 03-25, Springlake Fire Station**Phase:** Pre-Engineering **PM:** Mitchell (Ponticello Enterprises), [Karoly, Engineering]**Description:** Acquire property (1 acre), improve site and construct neighborhood station with two bays to protect southeast corner of city. (Spring Lake Specific Plan Area).**Status:**

- Design was completed ; Architect has been asked to provide a proposal to re-design based on new building code.
- Land acquisition underway, appraisal renewed and under consideration by City.

Project: 03-28, WWTP Tertiary Treatment – Chemical Feed

Project: 03-28, WWTP Tertiary Treatment – Chemical Feed**Phase:** Construction**PM:** Mitchell (Ponticello Enterprises)

[Karoly, Engineering]

Description: Additional items of work included in design: Polymer Feed Facility & Equipment, Filter Pump Electrical Disconnects and Landscaping.

- Status:**
- Construction commenced in October and slated to be completed in April 2009.
 - Contractor has requested reduction of retention, which may come to council in February.
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Project: 04-07, Kentucky Avenue widening and reconstruction**Phase:** Pre-Engineering**PM:** Wurzel**Description:** This project includes the widening of Kentucky Avenue from 2 lanes to 4 lanes between West Street and East Street. Project will include widening from two lanes to four lanes and median, drainage, right of way acquisition, environmental document, traffic signal installation at College Avenue and possibly Palm Avenue. Project will also include reconstruction of Roadway as identified in the road report. Project will include evaluation of need to signalize intersection of Palm Avenue and Kentucky Avenue with the widening of Kentucky Avenue or to defer the improvement.

- Status:**
- Ponticello Enterprises commenced preliminary design work in December 2004. The preliminary report will be completed 1st quarter 2009.
 - Environmental clearance (CEQA/NEPA) is scheduled for fall/winter of 2008 and ROW acquisition could begin in 2009.
 - The current 10 year capital budget nomination includes funding to complete an initial phase of the project in 2012 which would construct an improved two lanes and new two-way turn lane from West Street to Palm Avenue with minimal changes from Palm Avenue to East Street. The estimated cost of this construction is \$6 Million.
 - The second phase of the project is budgeted in 2018 and would construct four lanes with medians from College Street to East Street.
 - Delaying further design work due to budget considerations
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Project: 04-25, Springlake Backbone Improvements, Package A**Phase:** Construction**PM:** Heath**Description:** The Spring Lake Specific Plan Capital Improvements Plan (SLSP CIP), approved by City Council June 22, 2004, provides for public financing of backbone infrastructure improvements. These improvements include roadway improvements for arterial and collector streets, off street pathway improvements, greenbelts, water distribution, sewer collection, storm water conveyance, street lighting and landscaping. The project improvements will be constructed by developers and their contractors and acquired by the City.

- Status:**
- City water, sewer, storm drainage, roadway improvements and utility (PGE, Phone, CATV) are substantially complete.
 - Landscaping on County Road 102 from Farmers Central Road to Gibson Road is nearing completion.
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Project: 05-30, Kentucky and CR 98/SR 16 traffic signal**Phase:** Design **PM:** Camacho**Description:** This project consists of the construction of a new traffic signal at the intersection of Kentucky Avenue/State Route 16 and County Road 98. The project will also construct operational improvements to the intersection. This is a cooperative project between Woodland, Yolo County and Caltrans.

- Status:**
- Agreements between all parties, City, County and Caltrans have been approved.
 - Caltrans is designing the signal and preparing the bid documents. Caltrans has scheduled Bids for August 2009 with project award being scheduled for September 2009.
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Project: 05-34, Water Well 25**Phase:** Design **PM:** Chavez**Description:** This project will construct a new municipal groundwater well. The design capacity of the well is anticipated to be a minimum of 1,800 gallons per minute. The well will be located in the storm drain facility at the north-west corner of Gibson Road and Ashley Avenue. Schedule objective is for well to be operational Summer 2009.

- Status:**
- Construction of Test Hole and Monitoring Well completed August 2008.
 - Final water quality results delivered; final decision to use site is being coordinated with other groundwater master planning work.
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Project: 06-04, Storz Pond Water Quality Improvements**Phase:** Construction **PM:** Cocke**Description:** Modify the storm water detention pond behind Fire Station #3 to provide storm water quality treatment for in-fill development in-lieu of individual on site post construction storm drain water quality treatment facilities.

- Status:**
- A portion of the north planting was sprayed and will be re-established this fall. The pond is operational.
 - The design for modification of the inlet and outlet structures is in review.
 - The 36 inch RCP connection between pond and outlet has been installed.
 - Seeding and vegetation maintenance will begin after germination rain events.
 - Replanting and vegetation work is underway.
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Project: 06-05, Casa del Sol MH Public Improvements**Phase:** Design **PM:** Chavez**Description:** Installation of a new bus stop, shelter, and turnout for an existing Bus Route Service (Yolobus-Route 42A) in front of Casa del Sol Mobile Home Park. The project also includes the installation of curbs, gutters, sidewalks, and streetscape improvements. The project is located on the east side of East Street, between East Oak Avenue and Pendegast Street.

Project: 06-05, Casa del Sol MH Public Improvements

- Status:**
- City Council authorizing bidding in July contingent on Caltrans grant authorization.
 - Obtained Construction Authorization from Caltrans (& FHWA); will commence bidding and open bids on Mar. 3.
 - CHOC onsite construction underway.
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Project: 06-07, South Canal (SD) Pumping Plant & Yolo Bypass Outlet

Phase: Pre-Engineering **PM:** Cocke

Description: Environmental Documentation/CEQA Permitting and Engineering Design for South Canal Pumping Plant, Outfall Channel Outlet Improvements, and Yolo Bypass Interface Improvements or their alternatives.

- Status:**
- Alternative analysis has been prepared by Wood Rogers and is currently being reviewed along with Spring Lake and system-wide master planning considerations.
 - Further work may be deferred for coordination with a federal (WRDA) project.
 - Continuing to work with Conaway Ranch on R/W issues, report is expected on October 23rd.
 - Conaway is reviewing alternative easement option.
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Project: 06-09, SCADA for Water System

Phase: Design **PM:** Okupe

Description: This project is a continuation of PPSS 94-13 and is specifically for water wells. The project includes installation of the main operations SCADA (Supervisory Control And Data Acquisition) system at the MSC, a system-wide communication system, and PLCs (Programmable Logic Controllers) and controls at the well sites.

- Status:**
- Consultant submitted draft pre-design report
 - Consultant to submit final pre-design report by 10/30/08
 - Staff to communicate with the City of Windsor regarding the FCC license. A meeting will occur with Windsor on 12/16/08.
 - SCADA should be operational by March 2010.
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Project: 06-12, Springlake E. Regional Pond Landscaping

Phase: Bidding **PM:** Heath

Description: This project is a companion project to South Urban Growth Area Regional Storm Drain Facilities- SLSPA Phase 1, Project No. 02-36. Landscaping of the East Region Detention Ponds was deleted by change order from the construction contract with Teichert Construction Company. This new project will construct the landscaping of the East Regional Detention Ponds through a separate construction contract.

- Status:**
- Council approved PSE and authorized bidding on February 19, 2008.
 - Bidding to commence in December.
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Project: 06-14, Annual In-House Road Program Support**Phase:** Ongoing **PM:** Wurzel**Description:** This project has been re-identified as the Road Support Project which will complete preparatory work for the annual road program projects.**Status:**

- Preparatory work is being completed for projects planned for the summer of 2009.

Project: 07-18, Woodland Park Irrigation Rehabilitation**Phase:** Construction **PM:** Mitchell (Ponticello Enterprises)
[Gentry, Parks]**Description:** Project includes upgrading obsolete and inefficient manual sprinkler systems at 7 of the City's older parks, with weather-based irrigation systems, and converting a total of 27 parks to centralized irrigation control. This project is the first phase of a five-phase overall project.**Status:**

- Bids opened October 9th for City Park and Harris Park irrigation and turf renovation. Favorable Bid Opening; bids rejected due to revenue shortfall, contract will not be awarded. No action by Council required.
- Christiansen Park and Camerena/Pedroia Field irrigation and turf renovation commenced in October and the project will be completed by March 2009. Coordination with softball and little league schedules requires added attention to construction timelines.
- Sod was placed on both baseball fields so opening of baseball season should not be affected. Wet weather may affect sod-placement on remaining park site so that portion of the project may be delayed.

Project: 07-24, MPFP Update**Phase:** Pre-Engineering **PM:** Gatie**Description:** This project will update the 2006 MPFP. The revisions include the addition of several new projects, the deletion of completed projects, and the removal of some projects that will now be funded through other means.**Status:**

- Council adopted the 2008 Major Projects Financing Plan (MPFP) on December 16, 2008. This project is now complete.

Project: 07-31, Sewer Trunk Rehabilitation**Phase:** Design **PM:** Cocke**Description:** Beamer trunk and other trunk lines has been inspected by the collection system crew and it has been determined that sections of the pipeline are in need of repair. The lengths of the pipeline in question are variable. The segments have structural damages including longitudinal cracks and sags. This project would include an analysis to evaluate the types of repair needed such as in-situ repair or replacement.

Project: 07-31, Sewer Trunk Rehabilitation

- Status:**
- We are currently investigating the 36" and 48" trunk mains between E. Main and the WWTP.
 - We are anticipating bidding this project in early Fall when groundwater will be at a minimum.
 - Evaluation of studies and videoing has been done and the technical Memo is being reviewed.
 - Bid documents should be ready in late January 2009.
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Project: 07-32, Sanitary Sewer Management Plan

Phase: Pre-Engineering **PM:** Gedatus

Description: New regulation adopted by the State in May 2006 requires all sanitary sewer collection systems to have a sanitary sewer management plan (SSMP). This program replaces PPSS 00-48. The goal of the SSMP is to prevent sanitary sewer overflows by establishing a program to evaluate the current practice in maintaining the sanitary sewer, modify design and construction standards, provide legal authority, and develop capacity assurance plan. The goal of this study is to tie in the existing sewer video program with the Cityworks software.

- Status:**
- Council certified the development plan and schedule September 18, 2007 as required in State Water Resources Control Board's Statewide General Waste Discharge (WDR) Order No.2006-003.
 - The city is on schedule to have the SSMP completed and adopted by August, 2009.
 - Project is ~ 90% complete but waiting for finalization of sewer GIS layer to complete asset condition CIP module of SSMP.
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Project: 07-33, WPTP Sludge Disposal Study and Implementation Plan

Phase: Pre-Engineering **PM:** Hierholzer

Description: This project is to conduct a study to find the best way to remove the sludge in the wastewater ponds. Included in the study would be removal of sludge from one pond to assess the operational accessibility, sludge stability, drying time, odor concerns, and cost. Based on the outcome of the plan, the plan would develop a cost estimate and time schedule to remove sludge from the ponds or develop other methods for sludge removal.

- Status:**
- First phase bio-solids removal is complete.
 - Analyzing removal options for other ponds; may need to dredge. There are five more ponds still remaining with a solids accumulation.
 - Consultant will be doing an overall plan for treatment and bio-solids.
 - The south ponds will need to be modified, to allow for each pond to be individually isolated for solids removal. This will be a future capital project.
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Project: 07-34, WTP Permit Application Renewal (ROWD)**Phase:** Pre-Engineering **PM:** Hierholzer**Description:** The existing wastewater permit will be expired in march 2008 and by federal and state regulations the renewal application needs to be submitted at least 180 days in advance to allow for review. This project is to select consulting services to assist staff in writing and reviewing the application. The project would include data review and calculations. Anti-degradation analysis for Tule Canal and "Best Practical" groundwater assessments.

- Status:**
- The ROWD has been submitted to the Regional Water Quality Control Board and is currently under review. Awaiting RWQCB comments.
 - The Regional Board accepted the ROWD and just issued the new NPDES permit based on the ROWD's data.
 - The Hydrologic Ground Water Test report was submitted to the City for review on June 3rd, 2008. The report indicates the ponds are impacting the groundwater with EC and Boron.
 - Regional Board pulled the NPDES permit for legal review. The Board anticipates adopting the new NPDES permit at the December 2008 or January 2009 hearing.
 - The Regional Board has indicated that it plans to put the new NPDES permit up for adoption at the February 2009 hearing.
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Project: 07-39, Bike Master Plan**Phase:** Pre-Engineering **PM:** Wurzel**Description:** Update the Bike Master Plan

- Status:**
- Staff will begin work on this master plan update 2009 as time allows.
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Project: 07-42, 2008 Slurry Seal Project**Phase:** Warranty **PM:** Burnham**Description:** Construct pavement surface treatments citywide.

- Status:**
- Construction contract awarded on May 6, 2008.
 - Construction work has been completed and accepted by Council.
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Project: 07-44, 2008 Road Rehabilitation Project (Lincoln Ave)**Phase:** Construction **PM:** Burnham**Description:** Rehabilitation work on Lincoln Avenue from East Street to County Road 98. Grind and Overlay Lincoln Between 6th street and California Street, with water and sewer services renewed and upgraded. Micropave Lincoln between California and CR 98, minor utility work involved. Seal Coat cross streets between Main and Lincoln from 6th street to West Street.

- Status:**
- Council contract awarded on June 10, 2008.
 - All utility work and paving on Lincoln has been completed.
 - Delay of seal coat work until Spring due to inclement weather.
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Project: 07-47, Well 22 Replacement**Phase:** Pre-Engineering**PM:** Olmedo

Description: Project involves construction of a new municipal water supply well. The Design capacity of this well will be approximately 1800 gpm. This new well will effectively replace the anticipated lost capacity of Well 22. The well will include a backup power source. The well site improvements will be protected from a 100-year flood event. The new site has tentatively been located near well 17, near Sycamore Ranch.

- Status:**
- If we stay with the current well casing it will operate at about 65% of its original capacity.
 - Sand production continues to occur. Well is now set to pump only in emergency conditions. Well is planned to be redrilled by Spring 2009. Existing well will then be properly abandoned/demolished.
 - Engineering agreement has been prepared. Staff have decided to replace the existing well using the existing electrical accessories to minimize replacement cost. Due to persistent sand intrusion into the distribution system.
 - Report on recommended method of destruction and design completed.
 - Contract for design services has been signed.
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Project: 07-48, Well 17 Replacement**Phase:** Pre-Engineering**PM:** Baxter

Description: Project involves construction of a new municipal water supply well. The Design capacity of this well will be approximately 1800 gpm. This new well will effectively replace the anticipated lost capacity of Well 17. The well will include a backup power source. The well site improvements will be protected from a 100-year flood event. The new site has tentatively been located near well 17, adjacent to Rd. 98.

- Status:**
- Multiple steps have been taken to reduce this well's nitrate levels.
 - Pump to waste line has been installed at the well site and the well is back in operation.
 - Well is being monitored to see if replacement can be deferred or less costly modifications can be made.
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Project: 07-49, Water Tank Replacement**Phase:** Design**PM:** Okupe

Description: A tank assessment report indicated that the elevated tank is unsafe due to seismic concerns. The tank was constructed in 1952 and is not in compliance with existing building code for seismic safety. The tank is at the end of its designed useful life. The tank's age renders it too old for retrofit which would be more costly than a new tank. This project would study other tank sizes and types to accommodate future City growth and needs.

- Status:**
- Armory building has been removed.
 - Project bid authorization was obtained in November 2008. Price for steel is rapidly falling so we will likely hold off on bidding until February 2009.
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Project: 07-50, Water Focused Study**Phase:** Pre-Engineering**PM:** Baxter**Description:** This project is to evaluate and analyze existing water supply issues, such as well replacement, new well locations, system pressure, water tank, and distribution piping systems. Also, this project would develop a five to ten year project in order to better address water fund impact.

- Status:**
- Staff received draft chapters of the water focus study; consultant had initiated calibration of the existing model that was developed for the CEC study.
 - Consultant submitted a report that stipulate the wells that should be operated at peak times to meet flow requirements, this will be programmed into the SCADA software.
 - A CIP list of needed water projects is being prepared as part of this study.
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Project: 07-51, Water Meter Implementation Plan**Phase:** Pre-Engineering**PM:** Okupe**Description:** This project is to study and determine the type of water meters, the rate structure, and the approach necessary to roll out a water meter implementation program. Currently, the exact number and types of meters installed are unknown and by January 1, 2010, all service connections established after 1992 must be billed according to their meter reading.

- Status:**
- Authorization to award the meter materials contract is planned for 12/16/08.
 - Bid opening for the meter installation work is planned for Jan. 20, 2009.
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Project: 07-52, Flood Plain Management, North Dev Area Emergency Response Model**Phase:** Pre-Engineering**PM:** Cocke**Description:** The present floodplain mapping uses hydrology based on the worst-case storm scenario developed by the Army Corps of Engineers during the 2003 Feasibility Study and is based on a surface analysis using a 1,000 foot grid system. This proposal will replace the hydrology with a peer reviewed Storm Centering analysis to be developed by David Ford Consulting, Inc. and replaces the 1,000 foot grid analysis with a 10 meter grid.

Project: 07-52, Flood Plain Management, North Dev Area Emergency Response Model

- Status:**
- David Ford Inc has finished the evaluation of the hydrology and storm centering for Cache Creek. The study results indicate the 1% (~100 yr) event estimate of flow at Road 94B should be reduced from 63,500± cfs to 55,000± cfs.
 - These results need to be reviewed and accepted by FEMA and the Corps, as a new basin probability curve set is developed for the Cache Creek Basin.
 - A new flood model has been developed for the Southern Cache Creek floodplain using a 15 meter grid by Wood Rodgers. These models, if accepted by FEMA, could result in changes to the FIRM map. In addition, the new model improves the ability of City staff to respond in a flood Emergency with improved knowledge of floodplain depths and velocities.
 - A meeting will be scheduled with the City, Yolo County, YCFC&WCD, Corps, CVFCA and FEMA to review the hydrology and modeling results and begin the discussions of the future floodplain management needs for all parties in the Cache Creek Floodplain.
 - The City is working the WRA and FloodSafe Yolo to obtain approx. \$100,000 to develop a finalized Hydrology Study for presentation to the USACOE and to FEMA for their concurrence.
 - Wood Rodgers has begun the hydrology study. Hydraulic modeling and storm study should be submitted to FEMA/Corps by March 2009.
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Project: 08-01, Community Senior Center, Phase 2

Phase: Construction

PM: Mitchell (Ponticello Enterprises) [Gentry, Parks]

Description: The Phase 2 project will add the dance/aerobics room and complete the parking lot and landscaping around the Community & Senior Center. The project includes a dog park which was originally slated for Phase 1. The original project included the amphitheater, gymnasium, outside basketball courts, youth center and a synthetic turf soccer/softball field all of which were constructed with Phase 1.

- Status:**
- Construction is continuing and is slated for completion in February 2009.
 - The significant items of work this month are misc. Comm Ctr. improvements, A/V, and Punchlist.
 - An RFP for Management and Operation of the Fitness center was issued and proposals are due on January 23rd. Based on favorable results from a qualified group, award of a contract may come to council in March.
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Project: 08-03, Community Sports Fields, Phase 1

Phase: Construction

PM: Mitchell (Ponticello Enterprises) [Gentry, Parks]

Description: Project includes design and construction for Phase 1 of the Sports Park. The Phase 1 project includes three or four synthetic multi-use soccer/softball fields with parking lighting, site furnishings, a portable restroom facility, and a pathway and landscaping along Road 24A.

Project: 08-03, Community Sports Fields, Phase 1

- Status:**
- Construction is completed and final change orders and closeout documents are being prepared..
 - Grand Opening held November 8th.
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Project: 08-05, Fire Stations 2 and 3 Repairs

Phase: Design **PM:** Chavez

Description: Fire Station No. 2: Concrete driveway is failing and in need of replacement.

Fire Station No. 3: Building has 4 problem areas: 1) exterior columns are leaning, 2) concrete driveway between street and equipment bays is sinking & separating from the building, 3) roof needs replacing and 4) concrete slab in kitchen is cracking/displacing tiles. A professional engineer will be hired to investigate and report on the causes and remedies for these problems before undertaking repairs or maintenance work.

- Status:**
- Driveway replacements at station 2 and 3 have been completed.
 - Seeking consultant proposal from MFDB for roof replacement design services (bid document preparation) at Fire Station No. 3.
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Project: 08-06, Series Street Light Replacement, Phase 1

Phase: Design **PM:** Chavez

Description: This project will replace old unsafe "series" type street light wiring and install new lights. The first phase segments are on Main Street from 3rd Street to 6th Street and from Elm Street to about Walnut Street. Project extents will match existing street lighting circuitry.

- Status:**
- Resolving CDBG budget funds; \$252,000 combined available from CDBG and Workforce Housing Grant.
 - Design is being performed by engineering staff; anticipate bidding the project in March.
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Project: 08-07, Surface Water

Phase: Pre-Engineering **PM:** Baxter

Description: This project is in the early stages of procuring surface water to mix with our ground water to improve overall water quality. This higher water quality water is needed to meet both expected future water and wastewater water quality standards.

Project: 08-07, Surface Water

- Status:**
- EIR approved by City Council.
 - Pre-design continuing to resolve challenges to the 1994 water right application.
 - An independent study requested by the Davis City Council was prepared by the National Water Research Institute, dated July 18, 2008 and it confirmed the need to go to surface water to meet water quality state mandates. This is consistent with previous separate studies done by Woodland and Davis.
 - Predesign report has been completed for the river intake structure.
 - Wastewater discharge permit requires improved source water. Woodland City Council approved proceeding with the project at their 9/30/08 Council Mtg.
 - A series of meetings have been held with the State Dept. of Fish and Game to resolve their water right protest.
-

Project: 08-08, Water Meters

Phase: Bidding

PM: Okupe

Description: The purpose of this project is to comply with the provision of AB 2572 which stipulates that development built after January 1st, 1992 must be metered and billed volumetrically by January 1st, 2010 and development built prior to 1992 must be metered and billed volumetrically by January 1st 2025. The project has thus been divided into two phases; development built after January 1st 1992 to be retrofitted have been categorized as phase 1, while development built prior to 1992 have been categorized as phase 2. This project is aimed at completing the phase 1 portion of the project.

- Status:**
- Authorization to award the meter materials contract is planned for 12/16/08.
 - Bid opening for the meter installation work is planned for Jan. 20, 2009..
-

Project: 08-19, Sanitary Sewer Model Update

Phase: Pre-Engineering

PM: Cocke

Description: Develop new calibrated sewer model with GIS linkages to existing city system GIS and install permanent data loggers in City to document and calibrate model and investigate for Infiltration and inflow (I&I) problems. This model will help develop solutions for these and other development impacts.

- Status:**
- Contract has begun and initial results are expected in January 2009.
-

Project: 08-22, Preliminary Odor Abatement at WWTP

Phase: Pre-Engineering

PM: Hierholzer

Description: Draft a report of the Odor Abatement Plan will list several options and costs for odor control to the WPCF headwork's and Erskine pond. These options are intended to prevent odor detection at the proposed Gateway II development project.

- Status:**
- A draft of the odor abatement plan being finalized for CDD and legal review.
 - The report was submitted to CDD in August 2008.
-

Project: 08-23, Main Street SS Slip Line**Phase:** Pre-Engineering **PM:** Cocke**Description:** This project will slip line 750-1500 feet of sewer trunk line on Main St that has been identified as having serious inflow and infiltrations (I&I) problems. I & I impacts wastewater treatment plant capacity.**Status:**

- This Project will be needed for repairs on the Trunk Lines to the WWTP.

Project: 08-24, New Calibrated Cache Creek Storm**Phase:** Pre-Engineering **PM:** Cocke**Description:** This project will recalculate the Cache Creek Basin Response Curves in an attempt to remove an estimated 4,000 parcels from the FEMA defined floodplain.**Status:**

- Project is being coordinated with Flood Safe Yolo and results are expected to be peer reviewed by the Corps in March 2009.

Project: 08-26, Safe Routes to School**Phase:** Design **PM:** Camacho**Description:** This project will improve safe access to Maxwell Elementary, Dingle Elementary, Freeman Elementary, Zamora Elementary, Tafoya Elementary, and Beamer Park Elementary. The project will include installation of traffic calming mid block crossings with medians and in pavement lights at three schools. It will also include installation of in pavement lights at two existing mid block crossings and installation of speed bumps and ADA ramps.**Status:**

- Funding allocation notification was recently received from Caltrans.
- A State Master Agreement for State-Funded Projects and a Program Supplement has been approved by Council. No invoices for reimbursement can be processed until the agreement and the supplement are fully executed.
- Fully executed copies of the State Master Agreement and the Program Supplement were recently received from Caltrans.
- Project design has been started.

Project: 08-27, Pedestrian Signals & ADA Improvements**Phase:** Design **PM:** Camacho**Description:** This project is being funded by the Workforce Housing Grant, which will improve pedestrian signals in the downtown core.**Status:**

- It was determined that project improvements can be performed by City crews. Improvement locations are currently being determined by staff.

Project: 08-28, Modify Well Casings**Phase:** Pre-Engineering **PM:** Baxter**Description:** This project will modify well casings as wells 6, 11, 13, and 21. Work will include sealing off nitrate bearing aquifers by sealing those well screens and/or gravel pack.

Project: 08-28, Modify Well Casings

- Status:**
- The work proposed will be clarified in the Water Focus Study which should be prepared by January 2009.
-

Project: 08-29, Groundwater Monitoring Wells

Phase: Pre-Engineering **PM:** Okupe

Description: This project will install groundwater monitoring wells to sample water from separate aquifers to provide key data in minimizing nitrate levels in our water supply.

- Status:**
- First of three wells was installed in pond at Ashley and Gibson. This well was done in conjunction with the work for Well 25. Water sampling is underway.
 - Groundwater management plan will identify the location for the remaining two wells.
 - Work is being coordinated with YCFCWCD.
-

Project: 08-30, Construct Well Improvements

Phase: Pre-Engineering **PM:** Baxter

Description: This project will add an air vent to well 1; modify piping and elevate well base above flood level at well 4; reconstruct well 5 shed and piping, add a vent to the well, and provide a new meter; and raise well 12 above flood level and raise the electrical panel above flood levels.

- Status:**
- Electrical panel work will be done to prepare the pump sites to be able to safely utilize SCADA for the well's operation.
-

Project: 08-31, Backup Power for Wells

Phase: Bidding **PM:** Olmedo

Description: Three back-up portable generators will be installed at 3 different well sites that will be retrofitted to accept portable back-up power generation. These generators will be able to be unplugged and moved to other sites when necessary to other retrofitted sites.

- Status:**
- Bids were received and are within budget. Bid for the generators is planned to be awarded this week.
 - Site work design is being completed for the improvements needed at the 3 well sites to be able to secure and receive use of the generators.
-

Project: 08-32, Well Replacements

Phase: Pre-Engineering **PM:** Baxter

Description: This project will replace wells 3 and 6 initially and well 13 in the next 6 years.

- Status:**
- Well 15 has major well screen failures. We are waiting for a report before proceeding with a well replacement.
-

Project: 08-33, 1st Groundwater Storage Tank**Phase:** Pre-Engineering **PM:** Baxter**Description:** This project will build a new, 3 million gallon, ground level water tank with a booster pump station to handle peak hour water demands.

- Status:**
- Options for siting the tank are now underway.
 - Budget constraints will delay work 2 years.
-

Project: 08-35, New Calibrated Sewer Model**Phase:** Pre-Engineering **PM:** Cocke**Description:** This project will develop a new calibrated sewer model with GIS linkages to existing City GIS data. Permanent data loggers will be installed to document and calibrate the model to assist with investigations into infiltration and inflow problems.

- Status:**
- Work will commence after new sewer model is developed in Project 08-19.
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Project: 08-55, Facilities Master Plan**Phase:** Pre-Engineering **PM:** Karoly**Description:**

- Status:**
- RFQ process underway to seek consultant.
 - Responses received from 5 firms; reviewed and ranked, calling references on top ranked firms, will interview top ranked firms.
 - Selected FEA (Facilities Engineering Associates) for negotiation of services.
-

Project: 08-62, KB Greenbelt**Phase:** Design **PM:** TBD (Norris)**Description:** The Spring Lake Specific Plan Capital Improvements Plan (SLSP CIP), approved by City Council June 22, 2004, provides for public financing of backbone infrastructure improvements. These improvements include greenbelts adjacent to the KB Homes developments. The project improvements will be constructed by the City.

- Status:**
- Establishing project budget codes and funding.
 - Obtain design drawings from developer.
 - Incorporate greenbelt design into Springlake Park N2 (05-27) plans and construct concurrently.
-

Project: 08-66, Russell Ranch Greenbelt**Phase:** Construction **PM:** Heath (Norris)**Description:** The Spring Lake Specific Plan Capital Improvements Plan (SLSP CIP), approved by City Council June 22, 2004, provides for public financing of backbone infrastructure improvements. These improvements include greenbelts adjacent to the KB Homes developments. The project improvements will be constructed by the City.

Project: 08-66, Russell Ranch Greenbelt

- Status:**
- Establishing project budget codes and funding.
 - Plans approved and construction underway.
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