

FedEx
TRK# 8728 2781 4247
0200

MON - 28 FEB AA
PRIORITY OVERNIGHT

86 EUGA

97477
OR-US PDX



82268154 02/28 98081/02C2/7BFB

Align top of FedEx Express® Shipping Label here.



JUN
2:28/11
10 AM

FedEx. US Airbill
Express

8728 2781 4247

0200

Recipient's Copy

1 From
Date 2/26/2011

Sender's Name Christian Steintvedt Phone 503 297-4627

Company Union Engineering, Inc

Address 5310 SW Westgate Dr, #225

City Portland State OR ZIP 97221

2 Your Internal Billing Reference

3 To Recipient's Name Jayne McMahon Phone

Company City of Springfield, Finance Dept

Address 225 FIFTH ST Finance Dept

Address
City Springfield State OR ZIP 97417

City Springfield State OR ZIP 97417



8728 2781 4247

4a Express Package Service
 FedEx Priority Overnight
 FedEx Standard Overnight
 FedEx First Overnight
 FedEx 2Day
 FedEx Express Saver

4b Express Freight Service
 FedEx 1Day Freight
 FedEx 2Day Freight
 FedEx 3Day Freight

5 Packaging
 FedEx Envelope
 FedEx Pak
 FedEx Box
 FedEx Tube
 Other

6 Special Handling and Delivery Signature Options
 SATURDAY Delivery
 No Signature Required
 No Signature Required
 Signature Required

Does this shipment contain dangerous goods?
 No
 Yes
 Yes

7 Payment Method
 Sender Account
 Receipt
 Third Party
 Credit Card
 Cash/Check

Total Packages: 1 Total Weight: 10.00 Total Declared Value: \$100.00

Our liability is limited to \$100 unless you declare a higher value. See the general Terms of Service. ©2011 FedEx Corp.

Rev. Date 2/10 - Part of 8226 - 0784 - 2011 FedEx - PRINTED IN U.S.A. 071

Pre Seal
1800.Go.FedEx 1.800.463.3339

Sender: Please seal before shipping.

Align bottom of Peel and Stick Airbill or Pouch here.

Utah Engineering, Inc

5319 SW Westgate Drive, Suite 225
Portland, Oregon 97221

RFP:
Engineering Services for Scoping, Design,
and Installation of the 58th Street Relief
Sanitary Sewer Line & Bypass Manhole
P12046

Civil Engineering that Works for You

The logo for Ukiah Engineering, Inc. is written in a large, bold, italicized sans-serif font, oriented vertically on the left side of the page.

February 25, 2011

Ms Jayne McMahan
Management Analyst
Finance Department
City of Springfield
225 Fifth St
Springfield, OR 97477

Subject: RFP: Engineering Services for Scoping, Design and Installation of the 58th St Relief Sanitary Sewer Line & Bypass Manhole P21046

Dear Ms McMahan,

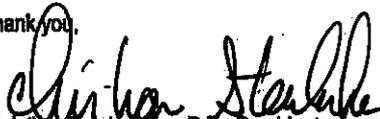
Attached please find our proposal for the 58th St Relief Sanitary Sewer Line & Bypass Manhole. Ukiah Engineering, Inc., makes available a first rate team that brings with it a knowledge of the project; familiarity with issues impacting sewer construction and expertise from a variety of other projects. This proposal combines to provide both you and the City that they a first rate design backed up by exceptional professional engineers. This team brings to the project over 450,000 linear feet of sewer design experience. We know sewers.

Along with our professional and personal expertise and integrity, we will make use of some of the latest in proven technological advances to insure that your project receives the best design possible. Our use of CAD Civil 3D, ground penetrating radar for underground utilities and LIDAR for surface features to project specific websites for communications, will deliver a cost effective design that will exceed your expectations as well as those of the public.

We acknowledge that all aspects of the work will be completed as outlined in, and per the schedule in the RFP including the three addenda.

We look forward to being your next engineer.

Thank you,



Christian Steinbrecher, P.E., President
(CFS@UkiahEngineering.com; 503-297-4827)

Introduction to Uklah Engineering, Inc.

Uklah Engineering, Inc. (UEI) is a professional services firm offering civil engineering, construction engineering, construction management and project management services to municipalities, agencies, state government, utilities, consultants, contractors, and others involved in the expenditure of capital dollars. It's President, Christian F. Steinbrecher is a registered engineer and was formerly the Chief Engineer for the Portland Development Commission.

The scope of our design services includes roadways, drainage systems, minor structures, sewer, water and storm systems; water quality detention facilities, and site grading. In addition, we expedite permits and provide long-term planning. If a project calls for a specialist's expertise, our resources include a number of exceptional subconsultants who augment our expert in-house staff. In addition to basic civil engineering, the Uklah Team has capacity in the areas of structural engineering, environmental assessments, hazmat management, surveying, landscape architecture, archeological, and cultural matters.

Our civil engineering services target both your vision and your reality with well thought out designs that can be constructed without breaking the budget or the schedule. This proposal includes the services of PBS, Right of Way Associates, HBH Engineering and Roberts Surveying, Inc. Roberts surveying was chosen as it has a long term presence in the Eugene Springfield area. As an added bonus, this proposal provides an opportunity for a state certified Emerging Small Business.

The UEI Team has exceptional qualifications and experience in local city projects. Our team members have familiarized themselves with the project context as well as the specific project site. UEI offers only the most experienced personnel for the City's consideration.

The following table lists representative projects completed by the Uklah Engineering, Inc. team. Additional projects are available upon request.

RELEVANT PROJECTS	LOCATION	Project Type
SW Lesser and Capitol Highway Sanitary Sewer System, 20,000 LF 8" pipe plus laterals	Portland	City of Portland BES Sanitary Sewer
Murray Barrows Medical Site grading and utility plans, flood hazard analysis, surface water management plan and report, and offsite sanitary and water utility plans. Obtained City of Beaverton Site Development and Cleanwater Services 1200c Permits	City of Beaverton	Private Development
Woodhaven Development - Sherwood, Multi-year, multi-phase residential development project including 1,000 single family residences on 300 acres, and associated public water, storm, and sewer lines.	Sherwood	Large Scale Development
Forest Heights Development - 900 Lot planned community for three phases. Prepared street improvement plans, storm and sanitary sewer plans, water plans and grading plans for each phase of the development.	Portland	Planned Community
SW 39th and Pomona Sanitary Sewer System, 8,000 LF 8" pipe plus laterals	Portland	Sanitary Sewer Project
NE 135th and Shaver Sanitary Sewer System 10,000 LF 8" pipe plus laterals	Portland	Sanitary Sewer Project
SE 45th and Harney Sanitary Sewer System 10,000 LF 8" pipe plus laterals	Portland	Sanitary Sewer Project
South Airport Sanitary Sewer System, Phase 3 14,000 LF 12", 10", 8" pipe plus laterals	Portland	Sanitary Sewer Project
South Airport Sanitary Sewer System, Phase 2A 2,200 LF 12" pipe plus laterals	Portland	Sanitary Sewer Project
South Airport Sanitary Sewer System, Phase 5, 4,200 LF 8" pipe plus laterals	Portland	Sanitary Sewer Project
Insley Parallel Trunk Sewer, 4,600 LF 96", 72", 60", 48", 36", 30", 10" pipe plus laterals and connecting structures	Portland	Sanitary Sewer Project
Alder Basin Relief and Reconstruction, Phase 3, Unit 2 500 LF 84" pipe plus connecting structures, 2,200 LF of liner pipe in old brick outfall sewer	Portland	Sanitary Sewer Project
SE Oak Sewer Replacement, 10th Ave. to 16th Ave. 1,300 LF 24" pipe plus laterals	Portland	Sanitary Sewer Project
Columbia Blvd. Treatment Plant Outfall Modification 1,000 LF 72" pipe plus connecting structures	Portland	Sanitary Sewer Project



RELEVANT PROJECTS	LOCATION	Project Type
Garibaldi Boat Basin Dredging and In-Water Disposal Permit and Sediment Sampling: Permit applications for replacement of existing pilings and maintenance dredging	Garibaldi	Fed & State Funding
Roads and Drainage for Planned Unit Development: Provided mapping and schematic design for a 400 acre planned unit development.	Wheeler	Roadway, Drainage, Local Funding
Roads and Drainage for Morning Woods Subdivision: Prepared construction plans for a 16 lot subdivision located within the City of Rockaway Beach.	Rockaway Beach	Roadway, Drainage, Local Funding
Road Improvements and Utilities for Wheeler Condos: Prepared preliminary plans and construction documents, including street design and stormwater management.	Wheeler	Roadway, Drainage, Local Funding
Roads and Drainage for Astoria Apartments: Prepared construction documents, including surrounding drainage.	Astoria	Drainage, Local Funding
Roads and Drainage for Dream Harbor Phase 1: Designed 20 lot subdivision including water sewer and sewer pump stations.	Waldport	Roadway, Drainage, Local Funding
Grading and Storm Improvements for Pioneer Grocery Store: Designed grading, drainage, and private road improvements in 100 yr floodplain and in a location affected by tidal influences.	Willapa Bay, WA	Roadway, Drainage, Local Funding
Managed Species Supplemental Environmental Impact Statement: Project Planner for preparation of the Final Supplemental Environmental Impact Statement .	Oregon and Washington	Fed & State Funding, NEPA
State Route 213 Widening at I-205 Performed construction engineering function for Oregon City and ODOT.	Oregon City	Roadway, Drainage, Fed & State Funding
Midtown Blocks Street Improvements	Portland	Roadway, Local Funding
Portsmouth Force Main Project, City of Portland BES	Portland	Sanitary Sewer
Ash Creek Sewer Project, City of Portland BES	Portland	
City of Sweet Home water line installation, replacement and new treatment plant	Sweet Home	Water lines
City of Astoria for water line installation and replacement	Astoria	Water lines
City of Colton for water line installation and replacement	Colton	Water lines
City of Dillard for water line installation, replacement and treatment plant	Dillard	Water lines
City of Brownsville for water line installation and replacement	Brownsville	Water lines
Junction City for Eugene Sand & Gravel that included performing running control traverse and construction layout for new water line and new force main sanitary sewer line	Junction City	Water and Sanitary Sewer
NE Sewer Project	Milwaukie	Sewer Project
N. Beltline Water and Sewer Project	Ontario	Sewer Project
97th Avenue Sanitary Sewer	Tigard	Sewer Project
100th Avenue Sanitary Sewer	Tigard	Sewer Project
Fairhaven St. Sanitary Sewer	Tigard	Sewer Project
Fern Street Sanitary Sewer	Tigard	Sewer Project
South Waldport Sewer	Waldport	Sewer Project
Sewer Treatment Plant & Sanitary Sewer Pipeline	Netarts	Sewer Project
Springwater Trail Interceptor	Gresham	Sewer Project
Clackamas County Service District No. 1 – Sunnyside and Mt. Scott Interceptor, area	Oregon City	Sewer Project
West Main Sewers	Sheridan	Sewer Project
Jefferson St. Sewer	Sheridan	Sewer Project
Rosemont Sewers	West Linn	Sewer Project
Updated Sewerage Facilities Plan	Yamhill	Sewer Project
Columbia City Sewer Study	St Helens	Sewer Project



RELEVANT PROJECTS	LOCATION	Project Type
Bay Bimp Base Bio-Swale Drainage	Port of Tillamook Bay	Drainage, Local Funding
Sand Lake Galloway Road Reconstruction (Federal Hwy Project)	South Tillamook City	Roadway, Fed & State Funding
Port of Tillamook Bay Railroad Restoration: Geotechnical engineering damage assessments of identification and an evaluation of local, state, and federal permits	Tillamook	Fed & State Funding
Tillamook Stream Channel and Stormwater Compliance: Engineering and environmental compliance assistance, including stormwater treatment facilities.	Tillamook	Drainage, Fed & State Funding
Tillamook City Flood Gates Replacement and FEMA Coordination: Subsurface study and FEMA coordination for two tide gate replacements.	Tillamook City	Fed & State Funding
Scaling Yard Pavement Design (Adjacent to 3 rd): Technical review, technical documents, and client interface for pavement design and drainage of compromised subgrade.	Tillamook	Roadway, Drainage, Local Funding
In-Water Disposal Evaluation, Sampling Analysis Plan, and Regulatory Permitting in Tillamook Bay for Disposing Dredged Sediments from the boat moorage areas.	Tillamook	Fed & State Funding
Nantucket Shores Subdivision: Provided technical guidance and review.	Tillamook	Roadway, Drainage, Local Funding
Tillamook Bay and Nehalem Bay Dredge Material Disposal Site Inventory and Study: GIS Analyst for current Tillamook City Comprehensive Plan.	Tillamook	Roadway, Fed & State Funding
Roads and Drainage for Ocean Lake Subdivision: Planning and construction documents for the first phase of a 20 acre site adjacent to the City of Rockaway Beach.	Tillamook City	Roadway & Drainage, Local Funding
Sewer Construction in Evergreen Drive, between Third and Twelfth Street	Tillamook	Drainage, Local Funding
Tillamook City Long Prairie Road / US 101 Improvement Project	Tillamook City	Roadway, Fed & State Funding
ODOT Tillamook Fawcett Creek Culvert Replacement	Tillamook City	Roadway, Fed & State Funding
Tillamook Front Street / Del Monte Avenue Local Street Network Improvement Project	Tillamook	Roadway, Fed & State Funding
Road Construction Staking for Subdivision Road Systems	Tillamook, Pacific City Rockaway Beach	Roadway
ODOT/City of Newport US 101 / 52 nd Street Improvements	Newport	Roadway Fed & State Funding
ODOT US 101 Aisea Bay Bridge Streetscape: Roadway and streetscape improvements along US 101.	Waldport	Roadway, Fed & State Funding
Coos City Road Stabilization Contracts: On-call engineering and environmental consulting services.	Coos City	Roadway, Fed & State Funding
Halsey Half-Street Improvements: Providing design services for sidewalk improvements along Halsey Street frontage of the ODOT Region 1 shop.	Troutdale	Roadway, NEPA
I-5 Widening Lombard to Victory: Drainage sub-consultant on ODOT's I-5 widening project. Responsible for sewer and stormwater management design.	Portland	Drainage, Fed & State Funding
Riverdrive Roadway Improvements Performed construction engineering functions for an urban street to include extensive storm sewer work.	Portland	Roadway, Drainage, Fed & State Funding
National Environmental Policy Documentation: NEPA environmental categorical exclusions, environmental assessments, and environmental impact statements	Oregon, Washington, Alaska	NEPA, Fed & State Funding
Bay St. Stillwater Condo Construction Services: Provided geotechnical explorations and design recommendations.	Florence	Roadway, Drainage, Local Funding
Eastbank Esplanade Construction Program, Phases 1 through 5: Cost estimating, planning, and construction management services for public bikeway and waterfront park.	Portland	Roadway, Drainage, Fed & State Funding
South Waterfront Park Improvements	Portland	Roadway, Drainage, Fed & State
Cove Beach Rd. Residence Ocean Bluff Stabilization: Coastal stabilization design services.	Clatsop City	Roadway, Drainage, Local Funding
MLK and Grand Street Improvements, Phases 1-4	Portland	Roadway, Drainage, Fed & State Funding
Coos City Road Re-Alignment: Assessments funding from FEMA and FHWA.	Coos City	Roadway, Drainage, Fed & State



DAN MILLER, PE - Project Engineer

Availability: 100%. **Education:** BS, Civil Engineering, Oregon State University. **Certification / Registration:** Prof. Engineer, OR. **Area of Expertise:** 25+ years of storm sewer design. He spent the majority of his career with the city of Portland's Bureau of Environmental Services where he executed numerous projects very similar to this one. His expertise includes: Storm Water Management; Sewer Infrastructure, Roads and Streets, Wastewater. Experience includes over 100,000 lf of sanitary and storm sewer design. **Relevant Projects:** I-5 Victory to Lombard Improvements, Drainage and Treatment Design - Portland, Drainage Design, Saturday Market Relocation - Portland, Authored additions to Sewer Construction Specifications and Sewer Design Manual for

KENT BAKER - PLS - Construction Surveying - Roberts Surveying

Availability: 100% **Education:** Oregon State University. **Certification / Registration:** Prof. Land Surveyor, OR **Area of Expertise:** Specializes in construction layout and cadastral surveying, topographic surveys, boundary surveys, foundation surveys, property line adjustment surveys and FEMA elevation certificates. Kent also has experience in land partitions, subdivisions, ALTA/ACSM surveys property descriptions and exhibit drawings. **Relevant Projects:** Sweet Home for water line installation, replacement and new treatment plant, City of Astoria for water line installation and replacement, City of Colton for water line installation and replacement, City of Dillard for water line installation, replacement and treatment plant, City of Brownsville for water line installation and replacement, Atuzen Stadium Expansion

RICK THRALL, PhD, PE - Geotech - PBS Environmental

Availability: 90%. **Education:** PhD, Geotechnical Engineering, Oregon State University, BS, Civil Engineering, Oregon State University. **Certification / Registration:** Prof Engineer, OR, WA. **Area of Expertise:** Mr. Thrall has over 20 years of geotechnical and civil engineering experience in the Pacific Northwest. He has served as a project manager and design engineer on projects involving transportation routes, water supply and pumping facilities, bridges, and park facilities. **Relevant Projects:** Coos City Roadway Failures Emergency Response, Elk Creek Design Build Hwy 38 Geotechnical Engineering - Elkton, Scaling Yard Pavement Design and Drainage - Tillamook, Geotechnical Work on Roadways and Utilities, Burtshell Residential Development - Coos Bay.

MICHAEL MONICAL, PE - Storm Sewer Designer

Availability: 90%. **Education:** Civil Engineering, West Point. **Certification / Registration:** Prof. Engineer, OR; WA, Certified LEED AP; VP CAD Civil 3D User's Group **Area of Expertise:** Mr. Monical has 25 years of experience designing and managing public works projects throughout the Northwest, including the Oregon coast. His roles include Drainage Engineering, Design, Permit Acquisition, Agency and Team Coordination. Experience Includes over 10,000 lf of sanitary and storm sewer design. **Relevant Projects:** Murray Barrows Subdivision roads and streets, Hale Berry Industrial site work, Forest Heights Subdivision roads and infrastructure, Woodhaven Development Multiphase residential development, King Road & 145th Intersection Improvements, Center

CHRISTIAN STEINBRECHER, MSCE, PE - Project Manager / Principal In Charge - Cost and Scheduling

Availability: 30% **Education:** BS, Civil Engineering, University of Maryland, MS, Construction Management, Georgia Institute of Technology. **Certification / Registration:** Prof. Engineer, OR & WA. **Area of Expertise:** 25 years of experience in the design, construction, costing and management of major infrastructure programs and projects. His particular area of expertise will be developing the engineer's estimate. He spent a number of years with the Kiewit Companies and therefore has a good knowledge of costs and how to assemble credible estimates. **Relevant Projects:** State Route 213 Widening at I-205 - Oregon City; MLK & Grand St. Improvements - Portland; I-5 Widening Lombard to Victory - Portland; Halsey Half-Street Improvements - Troutdale

MIKE HENRY, PE - Project QA - Peer Review and Expert Resource - HBH Consulting Engineering

Availability: 50%. **Education:** Oregon State University **Certification / Registration:** Prof. Engineer OR **Area of Expertise:** Senior Engineer with extensive experience. Serves as City Engineer for Rockaway Beach and Wheeler. Formerly served as City Engineer for Willamina, Dayton, Yamhill, Gervais, Carlton, Lafayette and Amity. Experience includes over 100,000 lf of sanitary and storm sewer design. **Relevant Projects:** City of Sublimity - Wastewater Collection System (completely new system), Clackamas City Service District No. 1 - Sunnyside and Mt. Scott Interceptor, area wide collection system, City of West Linn - Rosemont Sewers, City of Sheridan - West Main Sewers, City of Sheridan - Jefferson St. Sewer, City of Portland - Stevens Slough Sanitary Sewer Reconstruction, City of Redmond - Wastewater Collection System, Lagoons (completely new system)

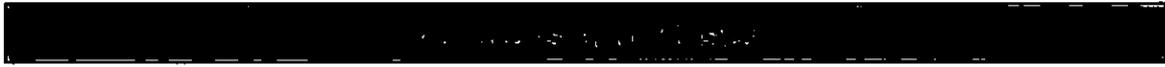
DEAN COPPAGE - Site Inspection

Availability: 50%. **Location:** Lincoln City. **Education:** Civil & Architectural Engineering Programs, University of Oklahoma **Area of Expertise:** Mr. Coppage has over 30 years of experience in construction project management, including extensive work on coastal projects. His skills include: Road Building, Development, Construction Coordination Sitework. **Relevant Projects:** Hwy 101 Streetscape Improvements - Lincoln City, Roadway and Utility Relocation, Oregon Coast Aquarium - Newport, DEQ Site Cleanup and Hwy 101 Improvements, Waters Edge Condos - Lincoln City, Planning of Municipal Utilities and Infrastructure, Southshore Oceanfront/Mixed-Use Development - Newport



R. DAVID FEINAUER - Certified General Appraiser - ROW Acquisitions - Right of Way Associates

Availability: 50%. **Education:** UCLA; MS, Public Administration Certification / **Registration:** Real Estate Broker, OR **Area of Expertise:** Appraisal, negotiation, acquisition and relocation services, Uniform Act the ORS regulations that guide public acquisition in the State of Oregon, has acquired a large number of sites for water reservoirs, wastewater treatment plants, pump stations and associated pipelines. **Relevant Projects:** City of Tigard 97th Avenue Sanitary Sewer LID, City of Tigard 100th Avenue Sanitary Sewer LID, City of Tigard Fairview Street Sanitary Sewer LID, City of Milwaukie NE Sewer, City of Junction City S. Industrial Corridor Water & Sewer Infrastructure, City of Klamath Falls Klamath Falls Water Reservoir Site Acquisition Project.



Title	Hourly Rates				
Principal	\$125				
Sr Proj Designer	\$115				
Sr Proj Designer	\$105				
Field Inspection/Admin.	\$75				
Admin.	\$55				
Summary					
Phase	Staff Hours	Subtotal Fees	Est'd Overhead	Subconsultants	Grand Total
Pre-design	245	27,969	1,398		29,367
Field Data Collection	52	6,180	308	73,023	79,512
Design	1,049	116,632	5,832	11,000	133,464
Easement Acquisition	103	10,800	540	41,822	53,162
Permit Application	69	7,200	360		7,560
Bid Documents	179	16,250	2,438		18,688
Construction Administration	2,571	210,000	21,000	23,880	254,880
Post Construction	300	29,357	1,468		30,825
Totals	4,568	424,388	33,344	149,825	\$626,722
				Less 1,000 lf. of Replacement Sewer	-50,000
				Net Not to Exceed	\$576,722

Overhead Explanation

Overhead expenses are billed at cost plus ten percent in addition to the hourly fees noted above include suppliers, outside copying, internal copies at \$.07/copy, collating, presentation materials, reprographics, field office expenses, travel, lodging, meals, blueprinting, final plots, clerical and administrative services, project dedicated equipment lease or rental costs, postage, mileage @ current IRS rate, delivery services, transportation, legal fees, as required by the project or requested by the client.

Explanatory Comments

The price proposal assumes six takings. That number may vary depending on the route chosen for final design.



Project Understanding

The City of requires professional engineering services for the 58th Street Relief Sanitary Sewer Line & Bypass Manhole project. The sewer will be designed and installed along East Main and 58th Streets. The engineering services will include sewer route determination, for a 4,900-foot long, 20 to 10-foot deep, 15-inch relief sanitary sewer line and bypass manhole. The project may include replacement of an existing 1,000 feet of 8-inch diameter concrete sanitary sewer pipe including residential laterals.

The objective will be to provide a complete, functioning public relief sanitary sewer line and bypass manhole to serve as a relief sewer for the Thurston Trunk Sewer. The sewer project shall include the evaluation of at least two alternate routes for the bypass sanitary sewer alignment. The evaluation shall consider project feasibility, project duration, and an economic analysis that includes all project costs. The project costs shall include the cost of construction, easement and/or right-of-way acquisition, surveying, permitting, operation, engineering, design, and construction administration including construction inspection.

We have read and understand the sanitary master plan the and need for a bypass sewer. Our design solution will meet the city's need.

The city's pre selected route along East Main and 58th has the advantage of having sufficient right-of-way and a direct route. It's disadvantages include traffic disruption and conflict with utilities. Alternate routes will likely be along residential streets and include additional right of way takings. We will look at all alternatives and with the city make the selection that most benefits the city.

General

Sewer improvement projects in an urban environment typically involve a much more detailed and constrained design environment than that of new construction. This project will construct improvements that must match with existing improvements of the adjoining landowners with minimal impacts. Access and traffic flow must be maintained in a reasonable manner for the adjoining properties. Existing utilities already in place must be accounted for in the design. New construction and utilities will need to be coordinated with existing utilities to avoid conflicts.

It will be essential to identify controlling design elements at the beginning of the project such as existing street sections. The proposed design must incorporate the existing street locations, elevation and slopes. The arterial uses of the street must be accommodated and driveways need to be adequate for these existing uses. Recycling of the roadway will be included in the project.

As the design moves forward there will be potholing to confirm the horizontal and vertical location of existing utilities at critical locations. If utilities need to be relocated, coordination with all affected utility companies will start as soon as possible.

Other controlling elements may include improvements within the right-of-way that must be retained.



Development Process

The UEI team will apply its expertise and implement an approach that simplifies the project. UEI will organize the project tasks into discrete and manageable components to insure that our design meets the City's objectives. We pride ourselves on the quality of our work and our ability to meet your schedules and budget.

Survey Data Collection

As requested in the RFP we will prepare a topographic survey. It will determine property and rights-of-way lines to ensure improvements are properly located. When easement or right of way acquisition is involved, the survey will be the basis for writing legal descriptions for acquisitions. We will rely on the City for preliminary survey information. Our on-site vertical control will be based on City approved datum. We will field locate all public utilities and franchised utilities as marked on the ground and from visible components, including those located in the abutting street right-of-ways. We will show all rim and invert elevations for storm and sanitary manholes, curb inlets, utility vaults and catch basins. We will also take surface spot elevations to the nearest 0.1-foot at 50 foot intervals along the length of the proposed sewer. Trees sized two inches and larger in diameter having a tree canopy within 30 feet of the proposed construction will be noted and shown on the drawings. All other above ground permanent man-made features (buildings, signs, posts, poles, landscaped areas, etc) within 15 feet on either side of the right-of-way or easement will be shown. As noted in the RFP we will rely on the city for digitized aerial maps and as built construction drawings.

Preliminary Design

UEI thrives at the preliminary design stage by bringing our team together to collaborate in an inclusive and transparent manner that fosters teamwork and trust. This stage is the ideal time to creatively and collaboratively review the project and develop innovative solutions that incorporate sustainability and livability issues into the project at a core level, mitigate known issues, and maximize project opportunities. This may include: materials, construction techniques, traffic control, minimizing impacts to neighborhoods, aesthetics and beautification, planning to maintain and residential access, cost savings, and minimized environmental impacts.





We will investigate, collect data, and perform pre-design in sufficient detail to determine sewer routing, permitting and easement needs, and project cost estimating for each option. Rick Thrall of the Ukiah

Team will perform soil explorations of the proposed sewer route. They will be made by means of auger borings and test pits in order to determine the depth of bedrock, adverse ground such as muck, and groundwater conditions that would influence the design or construction. The results of the soil explorations shall be documented in a geotechnical engineering report prepared and stamped by Mr Thrall. We will rely on the city's definition of rock excavation. When the soil exploration program is approved by the City. We will order and pay for testing/borings necessary for the project.

Route location engineering will include investigations to determine the minimum sewer depths, the required permits, determination of bedrock and water table elevation, and cost estimates of alternate sewer routes to determine the most economically feasible route.

We will present the results of our work along with a sewer route recommendation to City staff. With the input of City staff, we will prepare a sewer route selection report that includes a report of the background, investigations, data collection, pre-design tasks, cost estimates, and the selected sewer route with justifications for that selection. We will present and/or assist the City Engineer with the project presentation to City Council as requested.

Distinguishing Factors of UEI Team During Preliminary Design

UEI evaluates available technical materials and looks for opportunities to streamline delivery and advance schedule. As an example UEI accelerated design services on the Vancouver Bridge project for the City of Portland. As major infrastructure elements were designed, we continued to look for ways to revise the storm drainage to insure that the most efficient and cost effective designs were placed on the plans. We never stopped designing but continued to generate interim plans to advance the schedule while managing the client's budget and schedule risk.

UEI identifies where non-standard approaches to project delivery can be used to accelerate project delivery. Example: On the Eastbank Esplanade project we developed an innovative methodology to allow two contractors to cooperatively use the same access point and shaved six months off the project.

UEI integrates sustainability at every level of project delivery. During pre-design we will evaluate the feasibility of specific sustainable design concepts such as: tunneling and boring. We will also evaluate sustainable construction means and methods including recycling.

The Preliminary Design Deliverables

Preliminary design concludes at approximately the 10 to 15 percent design level with development of a project narrative that documents all known project issues, potential solutions, and the work necessary to complete the design. Included are base maps and preliminary plans and profiles. Our use of CAD Civil 3D will provide accurate profiles early in the process.

Public Process

We will participate in the public process associated with the project by preparing plan view designs for the public review early in the design process. We anticipate marking alternative routes in the field to show the property owners their locations. UEI shall attending meetings with the general public regarding the sewer design to receive public testimony. Additional meetings with the individual property owners may be necessary to properly coordinate the easement needs with the affected property owners.

30% Design

During 30% design our team will translate the design narrative into initial designs and preliminary costs, and ground-truth the feasibility of the solutions and innovations identified during pre-design. We will also identify all project impacts, stakeholder issues, and agency requirements that affect the resulting project limits. We will establish the total area disturbance based on of our understanding of key issues. The care we take at this step will ensure that we achieve timely project completion and avoid surprises. .

Distinguishing factors of UEI team during 30% design

We take the time to educate stakeholders regarding the feasibility of design concepts. This approach fosters trust and on-going project support. We relate with project partners in a highly positive and constructive way that keeps them engaged and focused on the project.

The 30% Deliverables

The 30% design milestone results in a set of project exhibits and a plan and profiles to scale that address mitigation requirements, shows all project impacts, identifies the potential property needs, and proposed environmental mitigation. This level of design supports effective public engagement. Feedback on design will be addressed during subsequent design.



60% Design

The 60% design set is an intermediate step between the 30 and 90 % documents. The details are further developed and an outline set of specifications is produced. Potential conflicts are discussed and resolved with the client

90% Design

Throughout this phase, our team will focus on project refinement and look closely at design details and integrating sustainability features. This is where we will follow through and implement what we agreed to deliver during pre-design and 30% design.

Distinguishing factors of UEI team during 90% phase

We'll consider technological advances to evaluate applicability to this project. At each design stage within this step we will refine our cost estimate and contingency. Example; our cost estimating lead, Mr. Steinbrecher, has a track record of developing cost estimates within 5% of the actual bid results.

90% Deliverables

The deliverables will include a set of drawings and specifications that lay out the requirements of construction. The documents are fully dimensioned and the materials specified. Permit conditions are included in this set. They can be priced by contractors. All known conflicts are worked out by this stage. A reasonably complete set of specifications is included.

Property Acquisition

Right of Way Associates is part of the UEI team to assist in acquiring sewer easements in locations outside of existing rights of way. They will work with City Engineering staff regarding communications and interactions with City residents or property owners. ROW Associates has a long history of this work and will coordinate with City Survey staff regarding preparation of easement documents. The team will prepare maps and legal descriptions for easement acquisition. Their scope includes a certified and City approved property appraiser will establish the value of the proposed acquisition. Coordination with title companies, ordering and reviewing title reports, and setting up closing at the title company are all areas that ROW Associates is expert in. Any compensation offer will be made only with prior City approval. The final executed easements will be recorded and executed documents presented to the City.

100% Plans and Specifications and Bidding

After review of the 95% drawings, comments from the city are incorporated in the plans and specifications. These comments plus other revisions result in 100% construction documents. UEI then prepares bid packages which include drawings, special provisions, and bid forms. The documents will meet the applicable State laws, City

codes, City of Springfield Engineering Design Standards and Procedures, and the City of Springfield Standard Construction Specifications, 1994 Edition. UEI generally assists and provides bid documents prepared in the Clients bidding format. We'll send letters notifying utility companies and affected parties of the pre-bid meeting, attend and record pre-bid meetings. UEI makes itself available to answer project questions presented by bidders during the bidding for the project.



Construction Engineering

Our Construction Engineering services work to assure the successful construction and completion of the project. UEI is prepared to:

- Coordinate with property owners, contractors, subcontractors.
- Manage utilities, ODOT, LTD, School District relationships.
- Work with USPS and any assigned engineering firms.
- Manage pre-construction meetings.
- Keep the City Project Manager updated when issues develop.
- Provide a pre-construction e-record of the construction site.
- Monitor schedule.
- Monitor temporary and permanent traffic control.
- Provide timely construction inspections.
- Coordinate construction material testing.
- Review testing results for conformance with the project.
- Maintain daily and weekly inspection e-reports of the work.
- Conduct regular construction meetings with City and Contractor.
- Verify and document pay quantities.
- Endorse construction progress payments.
- Prepare and administers the change orders process.
- Endorse and verify quantities for final payment.

Special Resources

Within the team, we have all of the resources and equipment necessary to carry out the work. The UEI Team has the software programs and our primary surveying consultant has in its inventory the laser surveying equipment. We are prepared to assist the City in achieving its goals of an upgraded sewer. This preparation will assure that the City receives the first work product that it is entitled to.

In addition we may utilize ground penetrating radar to verify underground utilities without the need for extensive potholing.

We will also include in the specifications a live webcam that will record the worksite while under construction and allow posting to a project website.





We will set up a project website that will support a project ftp site for easy exchange of drawings. The website will allow for cyber sharing of information with both the client and within the team. This will insure that the design can receive extensive review and approval before allowing the drawings to get too far along.

We will open an office in Springfield to assure that the project staff is easily accessible and readily available to the City.

Project Management - How We See It

Background

Ukiah Engineering, Inc. grew out of a project management firm, Capital Project Consultants. The philosophy that guided that firm is a strong project management presence that keeps the major areas of scope, quality, cost, and schedule clearly out in front of the design team. UEI has adopted that philosophy. Using skilled management techniques, we manage the communications, risk and human element to insure that there are no surprises. We also keep in mind the procurement strategies that the City prefers to insure that our design documents product support the City's desired methods.

Unique Focus - Balancing Design, Cost, and Schedule

Our designers will look for solutions that cost-effectively meet the City's vision while also anticipating the complexities inherent in construction. We take a constructor's view of project design. We call this approach constructability-oriented design. Challenges on construction projects often include access and staging issues, material supply concerns, and overall cost and schedule constraints. Each of our designers develops a project outline that clearly defines client expectations, then meets weekly for cross-disciplinary discussions and reviews. We conduct peer review of the design at the preliminary and final engineering stages to ensure that the construction documents meet and exceed professional standards. By including experienced

construction engineers in the process, we're able to forestall many of the problems you might otherwise experience.

On Budget: We Keep a Firm Grip on Costs

We will regularly compare actual and planned expenditures for each phase of the project. These analyses are incorporated in a variance review that pinpoints differences from the anticipated expenditures. We determine the reasons for differences and identify cost underruns or budget surpluses that can be used to offset overruns - or, if not needed, can be returned to you for use in other projects. We not only want to avert crises, but also crisis management: we believe owners, consultants, and contractors should always have the benefit of making proactive decisions.

Our experience also tells us that there will invariably be changes as the project is designed. It is impossible to be able to anticipate every eventuality at the project's outset. Therefore we have developed a proprietary process that reviews changes and prioritizes them in accordance with the project's objectives to insure that all aspects are reviewed before decisions are made.

On Time: We Treat Time Like Money

Not surprisingly, our process for reviewing the schedule is similar to that for reviewing the budget. But before our work ever begins, we lay the groundwork for being on time. We don't just estimate durations as part of schedule management. Instead we start with a project element list, sequence the activities, and make certain the design team has thought through and coordinated the design phases, permit acquisitions, and approvals that must be executed.

We compare work accomplished with that expected, then perform a variance analysis to ensure that the most cost-effective product is being delivered. We promptly identify problems, develop corrective plans, and make sure the follow-through is immediate and well-managed. We realize that clients will need to make modifications, and we build flexibility into our work plans to accommodate your changes



Ukiah Engineering, Inc. has the capabilities to perform the City's work.

We have the qualified professionals to provide the civil engineering service requested by Lincoln City. Detailed resumes are enclosed.

We have a project resume of programs and projects that include all of the elements necessary for a successful LID. The project resume includes government and institutional owners. The detailed list is attached.

We have the skill set to provide civil engineering services. This skill set includes an in depth understanding of engineering principals including a thorough knowledge of the major products that are currently used. We understand how to assemble projects and how budgets are essential to managing projects.

We are expert in Civil Engineering. We understand how to design civil engineering projects to insure that they meet the clients objectives in scope, quality, cost and schedule.

We have an understanding of the tasks that make up the services that are being requested. This task list comes from years of successful experience in the delivery of projects for owners.

We stay current on construction costs. UEI accesses numerous national data bases to maintain currency on costs. In addition we stay in touch with the local contracting community to keep our hand on the pulse of the costs in the local area.

We have the equipment necessary to perform the work. We equip our project engineers with state of the art mobile computing facilities, cell phones, blackberry devices as well as graphics and such reproduction support as required to ensure that the necessary information required for a successful project is easily disseminated. We have on staff the VP of the CAD Civil 3D user's group. CAD Civil 3D is the latest in Civil Engineering Design software.

We are an Oregon based ESB business. This proposal is an Emerging Small Business based proposal.

We have the interest in performing this work. Many of us are regular visitors to Springfield - Eugene.

We have a focus on this work. In the strategic plan that has been adopted by Ukiah Engineering, Inc, small jurisdictions are a key element. This focus provides the basis for determining which projects Ukiah Engineering, Inc pursues.

We stay current on matters related to cutting edge civil engineering developments.

We have been recognized by government agencies for our work. In particular the Portland Development Commission has awarded us several awards of appreciation for work. The PDC has for many years been a repeat customer.

We have a well developed quality control program to ensure that Ukiah Engineering, Inc provides superior services. This quality control program consists of ensuring that the latest in civil engineering, scheduling and costing programs are in use, as well as peer review of work product.

We are keenly aware of the need for successful delivery of our services. Successful delivery of services includes superior quality services as well as services meeting the client's cost and schedule objectives. Using a program called Timeslips we are able to closely track and manage the cost of our services, as well as the schedule. In this way we can consult with the client to ensure that the appropriate level of services is being delivered for the expected price. The objective of this effort is to ensure that our services are delivered without any surprises.

We select our opportunities carefully. Knowing that even in today's economy there are many opportunities for firms to deliver services, we avoid being opportunistic. We carefully evaluate the client's needs and their schedule requirements. If we have the skill set and the resources available, we will submit a proposal to the client. This decision making process is critical to ensuring the delivery of our services is successful. We are careful about determining which projects to pursue. We know that when times improve, and they will, it will be essential that we have delivered a high-quality, first-rate service.

We keep our overhead low to maintain a reasonable cost structure. In comparison with the competition our fees are lower. We are able to attract high-quality project managers and pay them well by insuring that our overhead is minimal, and only what is necessary to effectively service our client base. This low overhead includes reasonable office space at outlying areas, bulk purchasing at discount prices for consumables, online purchase of computers and related peripherals, and keeping our office decor in a workmanlike manner. The savings are passed on to our clients in the form of lower rates; allowing them to take advantage of a larger number of hours and a higher quality of service.



Linda Birth (For ROWA)
R/W Project Manager for Bureau of Environmental Services Projects
City of Portland, Bureau of Transportation
(503-823-7461)

John Deyo (for ROWA)
R/W Project Manager for Bureau of Environmental Services Projects
City of Portland, Bureau of Transportation
(503-823-4285)

Gary Parkin (For ROWA)
Engineering Director
City of Milwaukie
(503-786-7601)
Projects: NE Sewer, SE Lake Road

Coos County Public Works (For PBS)
Mr. John Rowe
1281 W. Central, Coquille, OR 97423
(541) 396-3121

University of Oregon (For PBS)
Mr. Doug Brooke
1276 University of Oregon, Eugene, OR 97403
(541) 346-2272

Ms Liane Welch (For Ukiah Engineering)
Tillamook County
203 Marolf Rd
Tillamook, OR 97141
503-842-3419

Mike Day (For Ukiah Engineering)
DAY CPM
8196 Hall Blvd
Beaverton, OR 97008
503-351-4050

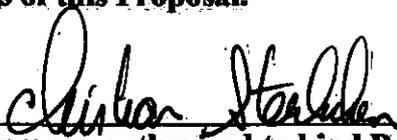




ATTACHMENT 2

Authorization to Legally Bind Proposer

The person executing this Proposal and the instruments referred to herein on behalf of the Proposer have the legal power, right, and actual authority to submit this Proposal, and to bind the Proposer to the terms and conditions of this Proposal.

 2-25-2011
(Signature of person authorized to bind Proposer) Dated

Christian Steinbrecher
Print Name of Person Signing as authorized to bind Proposer

<u>Ukiah Engineering, Inc.</u>	<u>503-546-7059</u>
Firm Name	Phone
<u>5319 SW Westgate Dr., Ste 225</u>	<u>866-334-1952</u>
Address	Fax
<u>Portland, OR 972212</u>	<u>cfs@UkiahEngineering.com</u>
City, State, Zip	email address

