

E-Construction update

2020 Winter Workshop

Feb 17, 2020

Polytech Adult Education

Oracle Unifier - Construction Usage

- ▶ Currently have 12 Main BPs
 - ▶ Contracts, IDRs, Price Approvals, Quantity Adjustments, Change Orders, Pencil Estimates, Progress Estimates, Submittals, RFIs, Progress Meeting, Project Request, Contractor Evaluations
- ▶ 9 Support BPs
 - ▶ These BPs provide information used by the main BPs in some way
- ▶ Most of the Main BPs are workflow based and used existing forms or processes
- ▶ Started using IDR BP in March 2017, and Estimates/Change Orders in May 2019
- ▶ 190+ Projects, 50,000+ IDRs, 675 Price Approvals, 175 Change Orders, 170 estimates (40 projects since May 2019)



State of Delaware Department of Transportation

Contract No: T201701108 - Limestone Road (SR7) and Kirkwood Highway (SR2) ADA Improvements

Date	Cumulative Days	Time	Weather	Temp	Unusual Weather Notes
Tuesday, July 02, 2019	50	07:00 pm	Cloudy	88	RAIN FROM 19:35 TO 22:10
	1	12:00 am	Clear	72	
	51	03:00 am	Clear	72	

Personnel & Time Charges	Time In	Time Out
Joe Kimber	07:00 pm	08:00 am

Personnel	Rate	Hours	Amount

Contractor: Grass Busters LandScaping Co., Inc. Cre
 Remarks:

Equipment	Rate	Hours	Amount
Dozer			
Excavator			
Paver			
Backhoe			
Roller			
Front End Loader			
Pickup Truck			

Contractor: Grass Busters LandScaping Co., Inc.	Act	Idle
	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0
Total Act:	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0
Total Idle:	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0

Material Name	Rate	Hours	Amount
ARROW PANELS TYPE C	802003	1.0000	EADY
PLASTIC DRUMS	805001	34.0000	EADY

IDR-00085 1

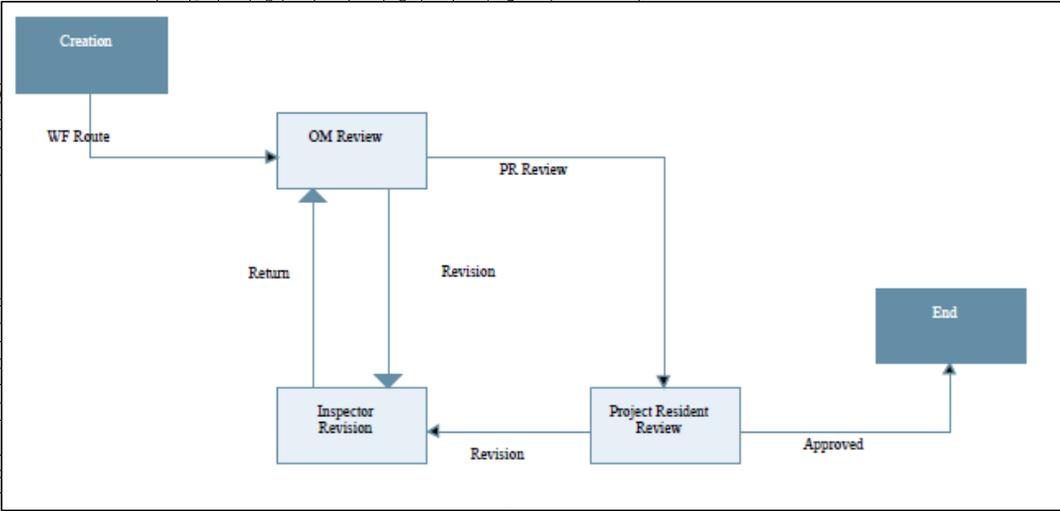


State of Delaware Department of Transportation

Contract No: T201701108 - Limestone Road (SR7) and Kirkwood Highway (SR2) ADA Improvements

Location & Description	Rate	Hours	Amount
Foreman: GABRIEL JAQUEZ Location: KIRKWOOD Remarks: 20:30-23:30 BARNETT 20:30-7:00 ALI 23:30-7:00 SNOOK	806001	21.0000	HOUR

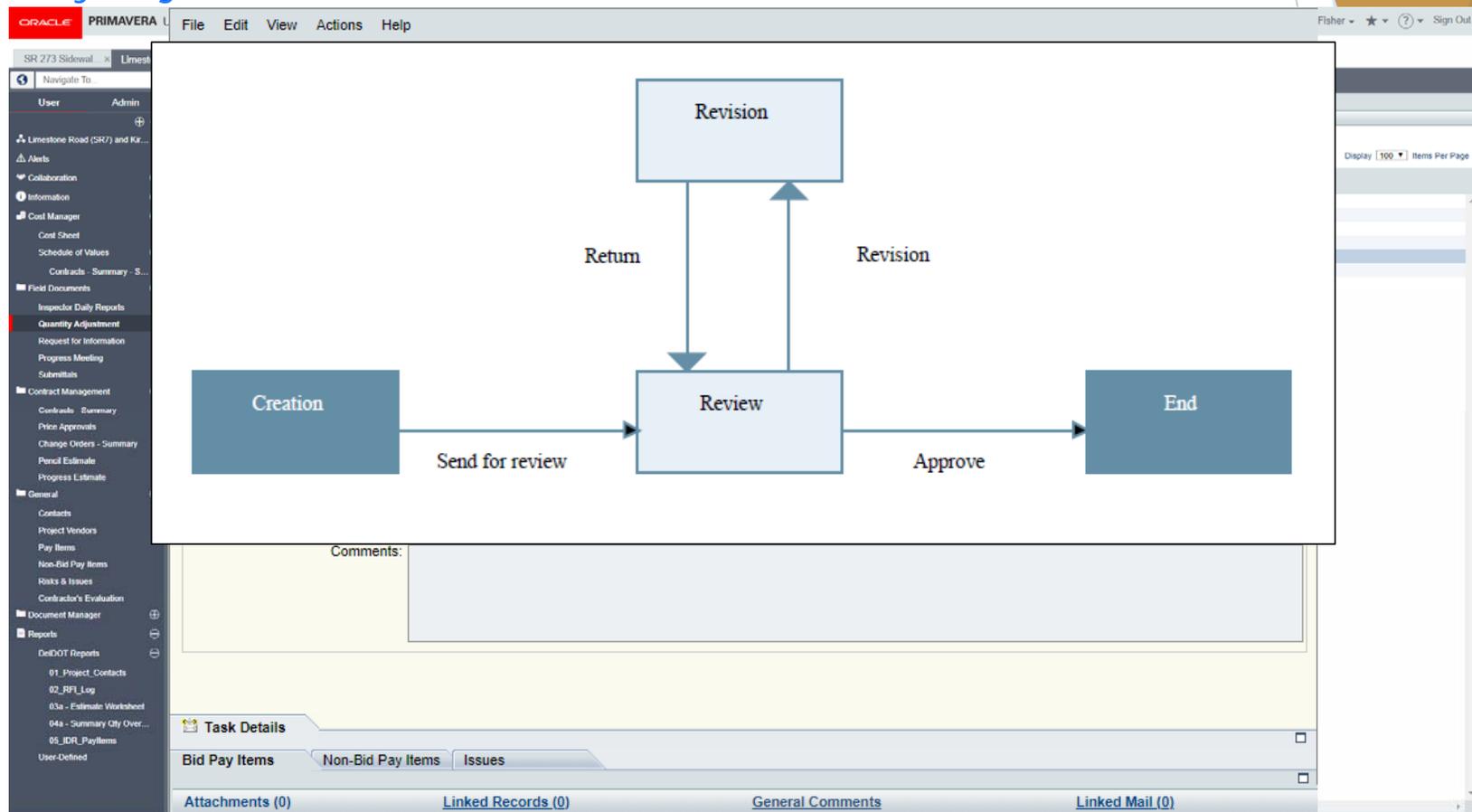
Foreman: GABRIEL JAQUEZ Location: KIRKWOOD HWY Remarks: IN ORDER AND HAS AN ARROW LIGHT AS WELL	Rate	Hours	Amount
	808001	1.0000	EADY
	810001	26.0000	EADY
	811001	18.0000	HOUR
	813001	6.0000	LFDY
20:25 DEVON 6:55			



IDR-00085 2

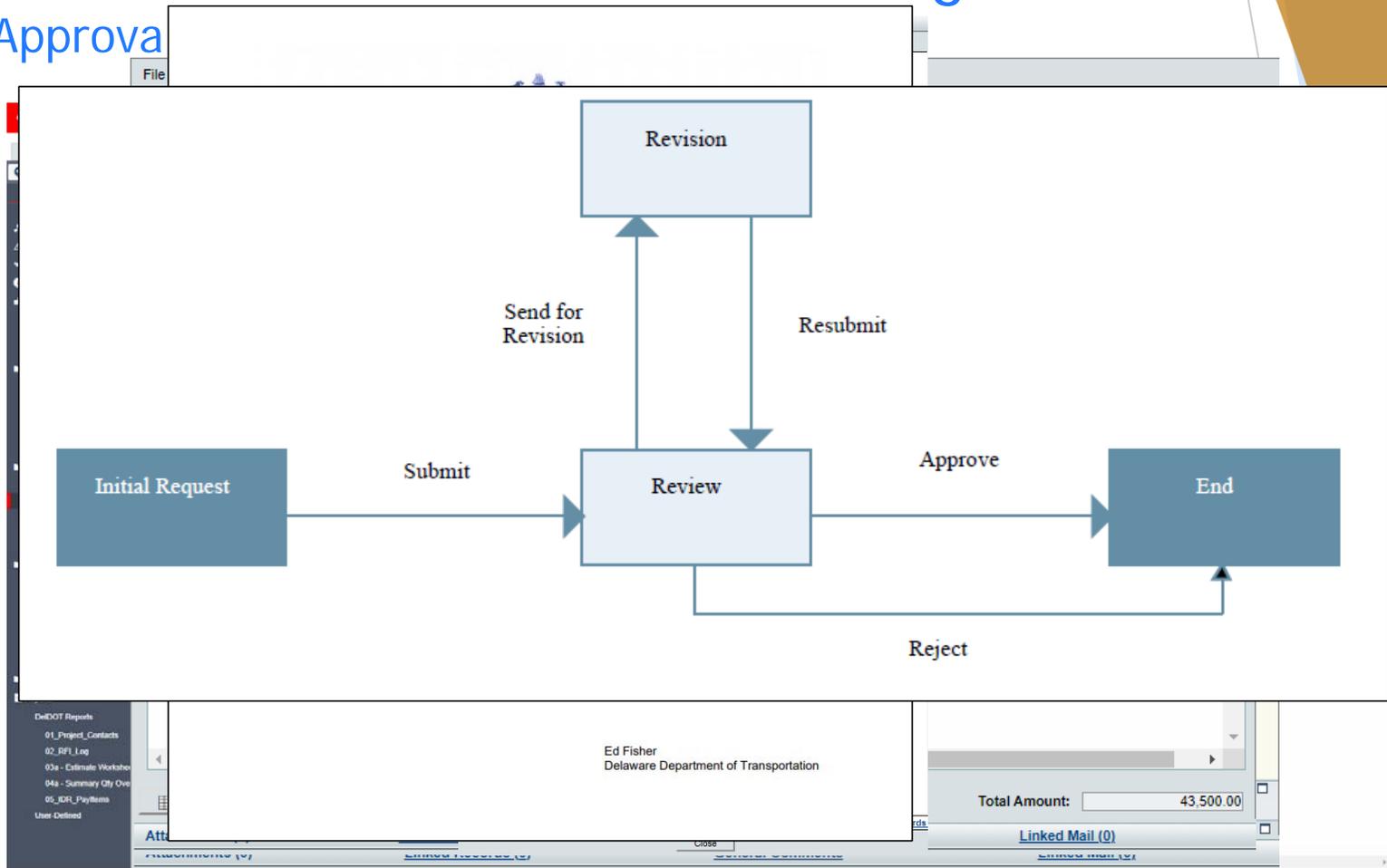
Oracle Unifier - Construction Usage

Quantity Adjustments



Oracle Unifier - Construction Usage

Price Approval



Oracle Unifier - Construction Usage

Change Orders

The screenshot displays the Oracle Primavera Unifier interface. A central workflow diagram illustrates the process for Change Orders:

- Creation** leads to **Review** via the **Submit** action.
- Review** can lead to **Revision** via **Send for Revision**.
- Review** can lead to **End** via **Approve**.
- Review** can lead back to **Review** via **Resubmit**.
- Review** can lead back to **Creation** via **Reject**.
- Revision** can lead back to **Review** via **Resubmit**.
- Revision** can lead to **End** via **Cancel**.

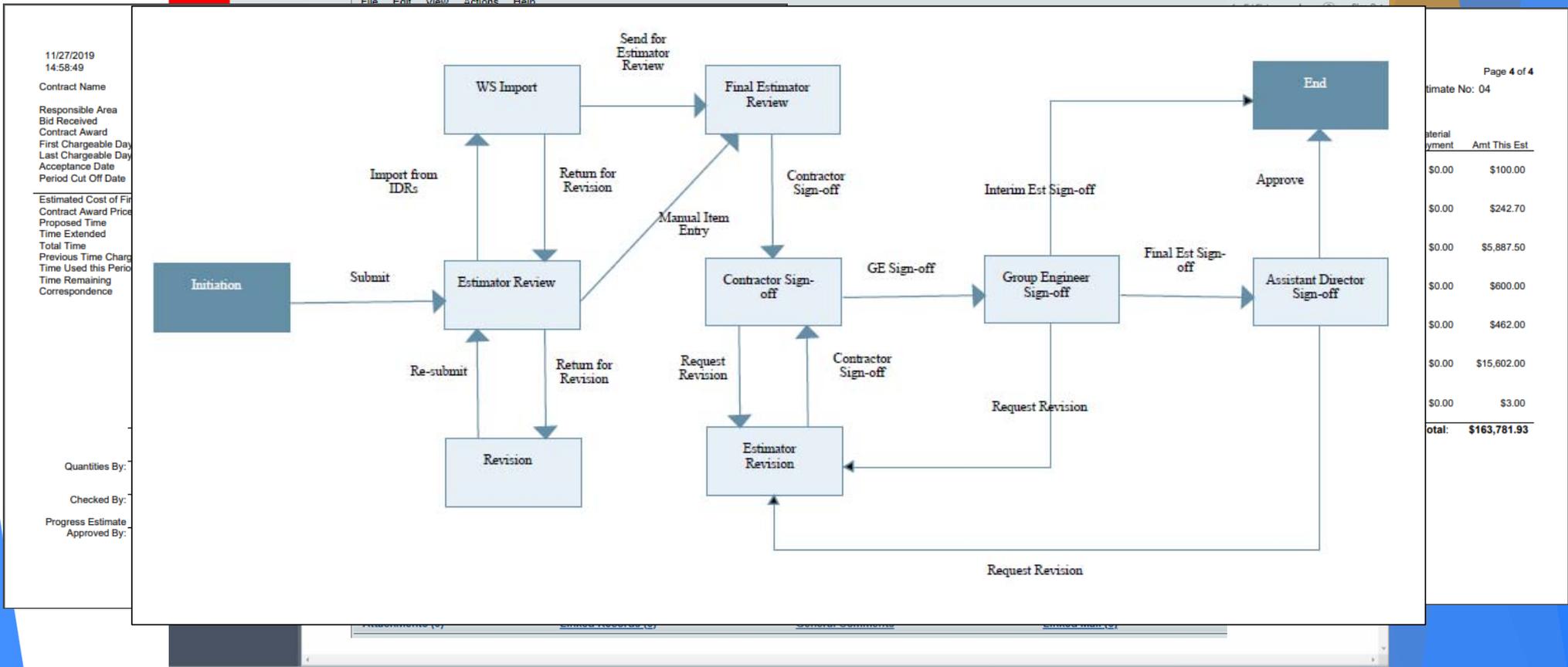
Below the diagram, a summary table shows the following data:

Cost Information	Attachments (0)	Total Amount:	\$5,193.00
Not Costed Amount:	\$0.00	Costed Amount:	\$5,193.00
Attachments (0)	Linked Records (0)	General Comments	Linked Mail (0)

The interface also includes a sidebar with navigation options such as 'Change Orders - Summary', 'Pencil Estimate', and 'Progress Estimate'. A 'Total Amount' field is set to \$5,193.00, and there are links for 'Attachments (0)', 'Linked Records (0)', 'General Comments', and 'Linked Mail (0)'.

Oracle Unifier - Construction Usage

Progress Estimate



11/27/2019
14:58:49
Contract Name
Responsible Area
Bid Received
Contract Award
First Chargeable Day
Last Chargeable Day
Acceptance Date
Period Cut Off Date
Estimated Cost of Fir
Contract Award Price
Proposed Time
Time Extended
Total Time
Previous Time Chrg
Time Used this Perio
Time Remaining
Correspondence

Quantities By:
Checked By:
Progress Estimate
Approved By:

Material	Payment	Amt This Est
	\$0.00	\$100.00
	\$0.00	\$242.70
	\$0.00	\$5,887.50
	\$0.00	\$600.00
	\$0.00	\$462.00
	\$0.00	\$15,602.00
	\$0.00	\$3.00
Total:		\$163,781.93



STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
 800 BAY ROAD
 P.O. BOX 778
 DOVER, DELAWARE 19903

JENNIFER COHAN
 SECRETARY

Subject: Contract Number: T201109001
 FAP Number: IM-N056(041)
 SR 141 Improvements, I-95 Interchange to Jay Drive
 Job Progress Meeting No. 2

Date: October 11, 2019

Time: 9:30 am

Location: 38 Reads Way, New Castle Delaware

Attendees:

Nick Hetrick	Richard E Pierson Construction Co Inc
Kevin Lindell	DelDOT
Alison Pedigo	DelDOT
Jeff Leonard	DelDOT
Tom Brooks	DelDOT
Charlie Gabel	JMT
Chris Strawder	DelDOT

Brad Herb	JMT
Herbert Monsalud	DelDOT

Mike Salerno	R. E. Pierson
Gary Riordan	R. E. Pierson
Evan Brodsky	KCI
Marvin Pedigo	DelDOT

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christopher.strawder@delaware.gov
bherb@jmt.com
herbert.monsalud@delaware.gov
msalerno@repierson.com
griordan@repierson.com
evan.brodsky@kci.com
marvin.pedigo@delaware.gov

Interchange to Jay Drive
 #2

(on regular days)
 October 19, 2019

Structure modules (DelDOT replied
 and by REP)
 double barrier face at ramps H and K

double barrier face (JMT clarify)

(DelDOT replied)
 and)

(JMT replied)
 made revisions)
 structural steel fabrication

replied)
 and)

Revised grade

for ramp M and L

has been approved)
 double barrier at Retaining Wall #3.

Accessories (Approved by DelDOT)
 provided by DelDOT)
 attached as Material supply)
 sheet (Submitted as material

generator (Approved by DelDOT)

Shop Drawing NO. 009 - Underdrain fabric cut sheet (Submitted as Material supply)
 Shop Drawing NO. 012 - Single face barrier rebar cut sheet (JMT supplied rebar cutsheet)
 Shop Drawing NO. 013 - Rebar on retaining wall 1 and 2 (Same as the plan no need for release)
 Shop Drawing NO. 014 - Electrical components (submitted as source of

SR 141 Improvements, I-95 Interchange to Jay Drive
 Job Progress Meeting # 2
 10/11/2019

rain.
 improvements on ramp H and K.
 footer.
 Ramp K
 silt run

to.1

at slab

to. 2

at slab

excavation entrance
 using Borrow type F material

ATE **9/13/2019**
 schedule draft #3 for baseline was submitted to Cathy Groove.
 that CPM update is ready until Oct. 1.
 released and processed.

10/11/2019

excavation are being performed every Wednesday
 that dated 10/9/19 was non compliant.
 is ongoing.
 line slip lane at the bottom of ramp K to relocate silt fence.

person needs to submit material certification "Buy America" product.
 ask inspector to release hot-mix from the plant.
 board will communicate will the signal lights according to Will Newcomb. Herb
 r plan.

submit the shop drawing for bridge demo and excavation temporary support

meeting has been scheduled for Friday, November 8, 2019.

- File E
- Rev
- Me
- Gener
- Contr
- RFI L
- Shop
- The foll
- Sourc

Task D

Business Items Attendees

Attachments (0) Linked Records (0)

Attachments (0) Linked Records (0) General Comments Linked Mail (0)

Oracle Unifier - Construction Usage

Reports using IDR info

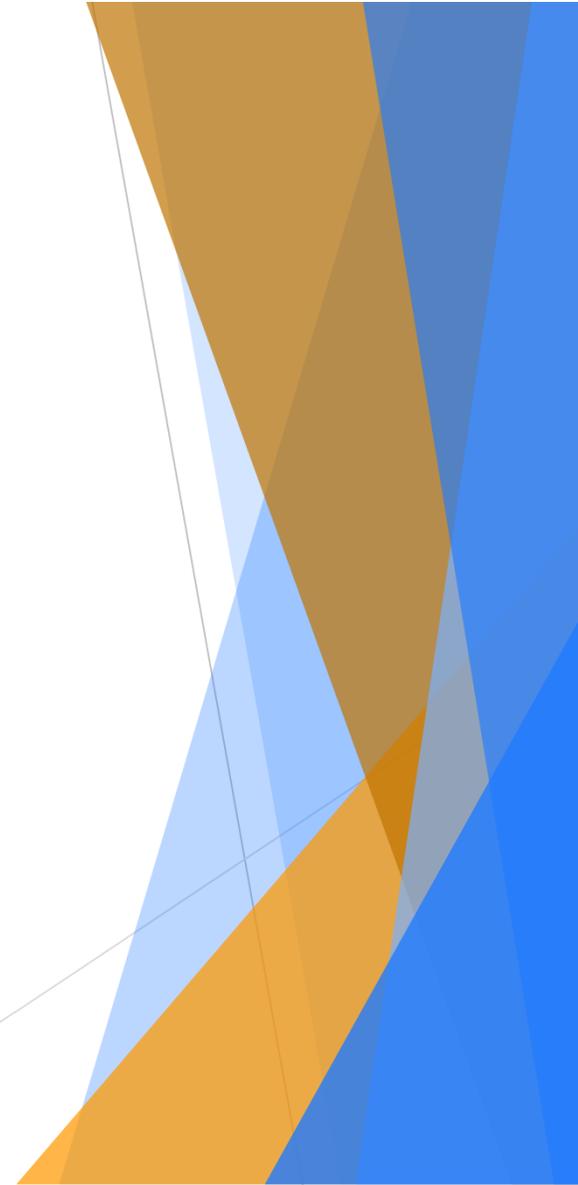
PAY ITEM		SE	DATE		QTY	UOM	TOTAL QTY	OVER RUN	REMARKS
201000	00		07/28/2019	07/28/2019	5.000	EACH	5.000	5.000	Pay item 710002- Adjust water valve box, was added to the contract but no Adjust gas valve box was added. All valve box adjustments are being paid as water valve boxes.
211001	00		07/28/2019	07/28/2019	5.000	EACH	10.000	10.000	Pay item 710002- Adjust water valve box, was added to the contract but no Adjust gas valve box was added. All valve box adjustments are being paid as water valve boxes.
301002	00		08/29/2019	08/29/2019	2.000	EACH	12.000	12.000	
401029	00		08/29/2019	08/29/2019	2.000	EACH	14.000	14.000	
401030	00		09/03/2019	09/03/2019	2.000	EACH	16.000	16.000	
401031	00		09/03/2019	09/03/2019	2.000	EACH	18.000	18.000	
602130	00		09/04/2019	09/04/2019	QA	-11.000	EACH	7.000	7.000
701012	00		09/04/2019	09/04/2019	QA	-11.000	EACH	-4.000	
701014	00		09/04/2019	09/04/2019	2.000	EACH	-2.000		
702000	00		09/04/2019	09/04/2019	2.000	EACH	0.000		
705001	00		Pay Item: 710002-01		Desc: Adjust Water Valve Boxes		Price: \$200.00	Qty: 11.000	Total: \$2,200.00
705002	00		Date		Qty	UOM	Total Qty	Over Run	Remarks
705007	00		09/04/2019	09/04/2019	QA	11.000	EACH	11.000	
710002-01	00		Pay Item: 711500		Desc: Adjust And Repair Existing Sanitary Manhole		Price: \$750.00	Qty: 1.000	Total: \$750.00
711500	00		Date		Qty	UOM	Total Qty	Over Run	Remarks
760012	00		06/26/2019	06/26/2019	1.000	EACH	1.000		Manhole in curb ramp CR-18
762000	00		Pay Item: 760012		Desc: Pavement Milling, Bituminous Concretepavement, Variable Depth		Price: \$10.00	Qty: 2,207.000	Total: \$22,070.00
762001	00		Date		Qty	UOM	Total Qty	Over Run	Remarks
763000	00		08/07/2019	08/07/2019	197.920	SYIN	197.920		MILLING OCCURED AT STATION: 103+00 BY PEPBOYS 104+50 BY E.O.N. 108+50 AND 109+50
763000-01	00		08/08/2019	08/08/2019	542.180	SYIN	740.100		DRIVEWAYS AT ENTERPRISE
763501	00		08/26/2019	08/26/2019	0.000	SYIN	740.100		Excavating existing hot mix at ingress side of NTB entrance (Sta 1+60 to 1+95 Limestone BL) and ingress side of Wawa entrance (Sta 8+25 to 9+25 Limestone BL). Areas are being excavated instead of milled and are being paid by template when overlay is completed. See IDR remarks #1.

* - denotes pay item from a non-approved IDR
QA - denotes pay item from Quantity Adjustment

CON/CO UNIT PRICE	IDR QTY	IDR AMT
\$75.00	511.000	\$38,325.00
\$100.00	34.000	\$3,400.00
\$1.00	2,353.000	\$2,353.00
\$58.00	873.500	\$50,663.00
\$0.25	1,506.000	\$376.50
\$10.00	746.380	\$7,463.80
\$5.00	687.000	\$3,435.00
\$75.00	68.000	\$5,100.00
\$0.01	645.400	\$6.45
\$0.01	645.400	\$6.45
ESTIMATE TOTAL:		\$546,230.20

Oracle Unifier - Additional Process

- ▶ Spring 2020
 - ▶ Updated Request for Information and Submittal
 - ▶ General Notices (NTP, FCD, Time Suspend/Resume, etc...)
 - ▶ Subcontractor Approval
 - ▶ E&S Weekly/Rainfall Event Site Inspection
 - ▶ Environmental Permit Request
 - ▶ Project Funding Increase Request
- ▶ Summer 2020 thru Spring 2021
 - ▶ Preconstruction Meeting Minutes
 - ▶ PNR Process (with P6 integration)
 - ▶ Non-construction related NTP
 - ▶ Source Document storage/creation
 - ▶ E&S Liaison processes
 - ▶ Project Closeout processes
 - ▶ Many others...



Questions?

