



PO# 165957

AMS Rec 471417

INVOICE NO. FBC2018 LUDWIG-1002

NOVEMBER 16, 2018

INVOICE TO:
 RICHARD W. STOLLEIS, P.E.
 COUNTY ENGINEER
 FORT BEND COUNTY
 301 JACKSON STREET
 RICHMOND, TEXAS 77469

REFERENCE PROJECT:
 FORT BEND COUNTY
 LUDWIG LANE
 LIMITS: DULLES TO BRAND
 FBC PROJECT NUMBER 13208
 PURCHASE ORDER NUMBER 165957

SERVICE PERIOD: AUGUST 30, 2018 TO NOVEMBER 12, 2018

DESCRIPTION: CONSTRUCTION MANAGEMENT AND CONSTRUCTION INSPECTION SERVICES

SCOPE OF WORK	CONTRACT MAXIMUM FEE TOTAL	AMOUNT AUTHORIZED TO DATE	PERCENT COMPLETE TO DATE	AMOUNT INVOICED TO DATE	AMOUNT PREVIOUSLY INVOICED	AMOUNT PAID TO DATE	AMOUNT DUE THIS INVOICE
CONSTRUCTION MANAGEMENT AND CONSTRUCTION INSPECTION SERVICES	\$113,010.00	\$113,010.00	60.67%	\$68,565.00	\$31,710.00	\$31,710.00	\$36,855.00
SUBTOTAL	\$113,010.00	\$113,010.00		\$68,565.00	\$31,710.00	\$31,710.00	\$36,855.00
SUBTOTAL AMOUNT DUE THESE INVOICE							\$36,855.00
TOTAL AMOUNT DUE THESE INVOICE							\$36,855.00

I CERTIFY THIS INVOICE TO BE TRUE AND CORRECT:

E. E. Salazar, Jr., P.E.

EPIFANIO E. SALAZAR, JR., P.E.
 PRINCIPAL

*OK, JSS
 11/26/18*



INVOICE NO. FBC2018 LUDWIG-1002

NOVEMBER 16, 2018

**INVOICE TO:
RICHARD W. STOLLEIS, P.E.
COUNTY ENGINEER
FORT BEND COUNTY
301 JACKSON STREET
RICHMOND, TEXAS 77469**

**REFERENCE PROJECT:
FORT BEND COUNTY
PRECINCT 2 - MOBILITY PROJECTS
LUDWIG LANE
LIMITS: DULLES TO BRAND
PURCHASE ORDER NUMBER 165957**

SERVICE PERIOD: AUGUST 30, 2018 TO NOVEMBER 12, 2018

TIME SUMMARY

EMPLOYEE: EDUARDO RODRIGUEZ

CLASSIFICATION: CONSTRUCTION INSPECTOR

LOADED HOURLY RATE (REGULAR) = \$105.00

LOADED HOURLY RATE (OVERTIME) = \$157.50

CONSTRUCTION INSPECTION	REGULAR HOURS	OVERTIME HOURS	
DAILY LOG HOURS	351.00	0.00	
TOTAL	351.00	0.00	
TOTAL AMOUNT BILLABLE	\$36,855.00	\$0.00	\$36,855.00



**PROGRESS REPORT NUMBER 3
PROJECT STATUS**

Reference Project:

Fort Bend County

Precinct 2 – Mobility Projects

Ludwig Lane – From Dulles To Brand

Fort Bend County Project No. 13208

P.O. Number: 165957

Project Status From August 30, 2018 To November 12, 2018:

- A. Conrad Construction Co., Ltd. (CONRAD), initiated construction of this project on May 14, 2018 (Start Date).
- B. SES Consulting Engineers, Inc. (SES) has prepared the agenda for and attended the pre-construction meeting, all field meetings and monthly construction progress meetings for this project. Meetings have been conducted with FBC and FBCWCID#2.
- C. SES has reviewed and approved all contractor submittals to date for this project.
- D. SES has assisted CONRAD, with all existing private utility coordination (Comcast/CPE/Verizon), Jones And Carter and FBCWCID#2 water/sanitary utilities (existing and proposed).
- E. SES has assisted FBC and CONRAD, with the coordination of material testing and scheduling with PSIUSA.
- F. SES has assisted FBC and CONRAD, with request for information (RFI's) and any required design changes.
- G. SES has provided construction inspection services for FBC for this project.
- H. SES has assisted FBCWCID#2 with construction inspection services for this project.

Planned Activities For Next 30 Days:

- 1. SES will continue to perform items B. thru H. above for this project, as required by FBC.

Action Items from FBC Next 30 Days:

- 2. None.



FORT BEND COUNTY
 LUDWIG LANE
 LIMITS: DULLES AVENUE TO BRAND LANE
 FORT BEND COUNTY PROJECT NUMBER 13208
 SES HORIZON PURCHASE ORDER 166987
 DAILY CONSTRUCTION ACTIVITY LOG
 SERVICE PERIOD: AUGUST 30, 2018 TO NOVEMBER 12, 2018

DATE	INSPECTOR ON-SITE	NUMBER OF CONTRACTORS EMPLOYEES ON-SITE	WEATHER CONDITIONS	CONSTRUCTION ACTIVITY	GEO/LAB PRESENT	CHECKED SW/3P	CHECKED TCP	INSPECTOR HOURS ON-SITE
Thursday, August 30, 18	ER	7	Sunny (91°)	Contractor (Conrad) installed 34' of 48" pipe on the southside of Ludwig Ln.	YES	YES	YES	8.5
Friday, August 31, 18	ER	7	Sunny (93°)	Contractor (Conrad) installed 42.5' of 48" pipe on the southside of Ludwig Ln.	YES	YES	YES	8
Saturday, September 1, 18	N-O-S	0	N/A	SES Horizon Consulting Engineers, Inc. - Did Not Make Site Visit On This Date, Contractor was Not On Site	NO	NO	NO	0
Sunday, September 2, 18	N-O-S	0	N/A	SES Horizon Consulting Engineers, Inc. - Did Not Make Site Visit On This Date, Contractor was Not On Site	NO	NO	NO	0
Monday, September 3, 18	N-O-S	0	N/A	SES Horizon Consulting Engineers, Inc. - Did Not Make Site Visit On This Date, Contractor was Not On Site	NO	NO	NO	0
Tuesday, September 4, 18	ER	7	Mostly Cloudy (88°)	Contractor (Conrad) excavated looking for sanitary service line	NO	YES	YES	8
Wednesday, September 5, 18	ER/ES	7	Mostly Cloudy (89°)	Contractor (Conrad) lowered sanitary line (2'-3"); installed 34' of 48" pipe	YES	YES	YES	8
Thursday, September 6, 18	ER	7	Cloudy (89°)	Contractor (Conrad) installed 32' of 48" pipe; installed MH at STA. 14+60.00	YES	YES	YES	8.5
Friday, September 7, 18	ER	7	Cloudy (90°)	Contractor (Conrad) installed 26' of 48" pipe on the southside of Ludwig Ln.; Housekeeping	YES	YES	YES	8
Saturday, September 8, 18	N-O-S	0	N/A	SES Horizon Consulting Engineers, Inc. - Did Not Make Site Visit On This Date, Contractor was Not On Site	NO	NO	NO	0
Sunday, September 9, 18	N-O-S	0	N/A	SES Horizon Consulting Engineers, Inc. - Did Not Make Site Visit On This Date, Contractor was Not On Site	NO	NO	NO	0
Monday, September 10, 18	ER	7	Cloudy (80°)	Contractor (Conrad) excavated at STA. 14+25.00 on the southside of Ludwig Ln. looking for gas service line	NO	YES	YES	4.5
Tuesday, September 11, 18	ER	0	Rain (79°)	Contractor (Conrad) Not-On-Site due to bad weather; Checked site in the morning and afternoon	NO	YES	YES	1
Wednesday, September 12, 18	ER	3	Partly Cloudy (80°)	Contractor (Conrad) received a delivery for concrete inlets; No work done due to wet conditions	NO	YES	YES	2.5
Thursday, September 13, 18	ER	6	Cloudy (80°)	Contractor (Conrad) installed 16' of 24" pipe at MH located at STA. 14+60.00; Housekeeping	YES	YES	YES	5.5
Friday, September 14, 18	ER	0	Rain Shower (77°)	Contractor (Conrad) Not-On-Site due to bad weather; Checked site in the morning and afternoon	NO	YES	YES	1
Saturday, September 15, 18	N-O-S	0	N/A	SES Horizon Consulting Engineers, Inc. - Did Not Make Site Visit On This Date, Contractor was Not On Site	NO	NO	NO	0
Sunday, September 16, 18	N-O-S	0	N/A	SES Horizon Consulting Engineers, Inc. - Did Not Make Site Visit On This Date, Contractor was Not On Site	NO	NO	NO	0



Civil Structural Transportation

FORT BEND COUNTY

LUDWIG LANE

LIMITS: DULLES AVENUE TO BRAND LANE

FORT BEND COUNTY PROJECT NUMBER 13208

SES HORIZON PURCHASE ORDER 163957

DAILY CONSTRUCTION ACTIVITY LOG

SERVICE PERIOD: AUGUST 30, 2018 TO NOVEMBER 12, 2018

DATE	INSPECTOR ON-SITE	NUMBER OF CONTRACTORS EMPLOYEES ON-SITE	WEATHER CONDITIONS	CONSTRUCTION ACTIVITY	GEO/LAB PRESENT	CHECKED SW3P	CHECKED TCP	INSPECTOR HOURS ON-SITE
Monday, September 17, 18	ER	7	Sunny (98*)	Contractor (Conrad) excavated looking for utility service lines (sanitary); pumped water out of storm pipe	NO	YES	YES	9
Tuesday, September 18, 18	ER	7	Sunny (97*)	Contractor (Conrad) installed 68' of 48" pipe on the southside of Ludwig Ln.	YES	YES	YES	8.5
Wednesday, September 19, 18	ER	7	Partly Cloudy (100*)	Contractor (Conrad) installed 111' of 48" pipe on the southside of Ludwig Ln.	YES	YES	YES	9
Thursday, September 20, 18	ER	7	Partly Cloudy (98*)	Contractor (Conrad) installed 43' of 48" pipe on the southside of Ludwig Ln.	YES	YES	YES	9
Friday, September 21, 18	ER	7	Partly Cloudy (91*)	Contractor (Conrad) installed 34' of 48" pipe on the southside of Ludwig Ln.; excavated looking for utility service line (sanitary)	YES	YES	YES	8.5
Saturday, September 22, 18	N-O-S	0	N/A	SES Horizon Consulting Engineers, Inc. - Did Not Make Site Visit On This Date, Contractor was Not On Site	NO	NO	NO	0
Sunday, September 23, 18	N-O-S	0	N/A	SES Horizon Consulting Engineers, Inc. - Did Not Make Site Visit On This Date, Contractor was Not On Site	NO	NO	NO	0
Monday, September 24, 18	ER	7	Sunny (95*)	Contractor (Conrad) relocated utility line (sanitary)	YES	YES	YES	8.5
Tuesday, September 25, 18	ER	7	Partly Cloudy (85*)	Contractor (Conrad) relocated utility line (sanitary)	YES	YES	YES	8.5
Wednesday, September 26, 18	ER	7	Cloudy (86*)	Contractor (Conrad) installed inlet at STA. 12+25.00	NO	YES	YES	5.5
Thursday, September 27, 18	ER	7	Cloudy (84*)	Contractor (Conrad) installed stabilized construction access; Housekeeping	NO	YES	YES	7
Friday, September 28, 18	ER	7	Cloudy (85*)	Contractor (Conrad) conducted housekeeping at site	NO	YES	YES	6
Saturday, September 29, 18	N-O-S	0	N/A	SES Horizon Consulting Engineers, Inc. - Did Not Make Site Visit On This Date, Contractor was Not On Site	NO	NO	NO	0
Sunday, September 30, 18	N-O-S	0	N/A	SES Horizon Consulting Engineers, Inc. - Did Not Make Site Visit On This Date, Contractor was Not On Site	NO	NO	NO	0
Monday, October 1, 18	ER	7	Partly Cloudy (82*)	Contractor (Conrad) relocated utility line (sanitary); installed crushed gravel @ 4403 Ludwig	NO	YES	YES	9
Tuesday, October 2, 18	ER	7	Partly Cloudy (84*)	Contractor (Conrad) excavated looking for utility service line	NO	YES	YES	8
Wednesday, October 3, 18	ER	7	Partly Cloudy (86*)	Contractor (Conrad) excavated looking for utility service line	NO	YES	YES	8
Thursday, October 4, 18	ER	7	Sunny (82*)	Contractor (Conrad) relocated utility service line (sanitary)	NO	YES	YES	7.5



FORT BEND COUNTY
 LUDWIG LANE
 LIMITS: DULLES AVENUE TO BRAND LANE
 FORT BEND COUNTY PROJECT NUMBER 13208
 SES HORIZON PURCHASE ORDER 468987
 DAILY CONSTRUCTION ACTIVITY LOG
 SERVICE PERIOD: AUGUST 30, 2018 TO NOVEMBER 12, 2018

DATE	INSPECTOR ON-SITE	NUMBER OF CONTRACTORS EMPLOYEES ON-SITE	WEATHER CONDITIONS	CONSTRUCTION ACTIVITY	GEO/LAB PRESENT	CHECKED SW3P	CHECKED TCP	INSPECTOR HOURS ON-SITE
Friday, October 5, 18	ER	7	Sunny (90°)	Contractor (Conrad) installed culvert pipe at 4320 Ludwig	NO	YES	YES	6.5
Saturday, October 6, 18	N-O-S	0	N/A	SES Horizon Consulting Engineers, Inc. - Did Not Make Site Visit On This Date, Contractor was Not On Site	NO	NO	NO	0
Sunday, October 7, 18	N-O-S	0	N/A	SES Horizon Consulting Engineers, Inc. - Did Not Make Site Visit On This Date, Contractor was Not On Site	NO	NO	NO	0
Monday, October 8, 18	ER	7	Sunny (90°)	Contractor (Conrad) pumped water out from ditches; Housekeeping	NO	YES	YES	6
Tuesday, October 9, 18	ER	7	Sunny (89°)	Contractor (Conrad) cored existing MH at STA. 11+30.00 ; relocated utility service line (sanitary)	NO	YES	YES	7
Wednesday, October 10, 18	ER	7	Sunny (88°)	Contractor (Conrad) installed 64' of 48" pipe	YES	YES	YES	7
Thursday, October 11, 18	ER	7	Sunny (85°)	Contractor (Conrad) installed 8' of 48" pipe and 51' of 42" pipe	YES	YES	YES	8.5
Friday, October 12, 18	ER	7	Sunny (83°)	Contractor (Conrad) installed 64' of 42" pipe; installed MH @ STA. 10+11.44	YES	YES	YES	8
Saturday, October 13, 18	N-O-S	0	N/A	SES Horizon Consulting Engineers, Inc. - Did Not Make Site Visit On This Date, Contractor was Not On Site	NO	NO	NO	0
Sunday, October 14, 18	N-O-S	0	N/A	SES Horizon Consulting Engineers, Inc. - Did Not Make Site Visit On This Date, Contractor was Not On Site	NO	NO	NO	0
Monday, October 15, 18	ER	7	Cloudy (65°)	Contractor (Conrad) installed 16' of 36" pipe; Housekeeping	YES	YES	YES	5.5
Tuesday, October 16, 18	ER	7	Cloudy (62°)	Contractor (Conrad) installed inlet at STA. 10+11.44 and STA. 11+20.00	YES	YES	YES	8.5
Wednesday, October 17, 18	ER	7	Cloudy (65°)	Contractor (Conrad) installed 72' of 36" pipe	YES	YES	YES	8
Thursday, October 18, 18	ER	7	Cloudy (72°)	Contractor (Conrad) installed 72' of 36" pipe	YES	YES	YES	8
Friday, October 19, 18	ER	7	Partly Cloudy (82°)	Contractor (Conrad) installed 40' of 36" pipe; installed MH @ STA. 8+04.00	YES	YES	YES	7
Saturday, October 20, 18	N-O-S	0	N/A	SES Horizon Consulting Engineers, Inc. - Did Not Make Site Visit On This Date, Contractor was Not On Site	NO	NO	NO	0
Sunday, October 21, 18	N-O-S	0	N/A	SES Horizon Consulting Engineers, Inc. - Did Not Make Site Visit On This Date, Contractor was Not On Site	NO	NO	NO	0
Monday, October 22, 18	ER	7	Cloudy (70°)	Contractor (Conrad) installed 80' of 30" pipe	YES	YES	YES	9.5



FORT BEND COUNTY
 LUDWIG LANE
 LIMITS: DULLES AVENUE TO BRAND LANE
 FORT BEND COUNTY PROJECT NUMBER 13208
 SES HORIZON PURCHASE ORDER 185987
 DAILY CONSTRUCTION ACTIVITY LOG
 SERVICE PERIOD: AUGUST 30, 2018 TO NOVEMBER 12, 2018

DATE	INSPECTOR ON-SITE	NUMBER OF CONTRACTORS EMPLOYEES ON-SITE	WEATHER CONDITIONS	CONSTRUCTION ACTIVITY	GEO/LAB PRESENT	CHECKED SH&SP	CHECKED TCP	INSPECTOR HOURS ON-SITE
Tuesday, October 23, 18	ER	0	Rain (65*)	Contractor (Conrad) Not-On-Site due to bad weather; Checked site in the morning and afternoon	NO	YES	YES	1
Wednesday, October 24, 18	AS	7	Partly Cloudy (68*)	Contractor (Conrad) installed 24" pipe @ STA. 11+20.00	YES	YES	YES	3.5
Thursday, October 25, 18	ER	7	Cloudy (72*)	Contractor (Conrad) excavated looking for service utility line; Housekeeping	NO	YES	YES	6.5
Friday, October 26, 18	ER	7	Sunny (84*)	Contractor (Conrad) installed 72" of 30" pipe	YES	YES	YES	9.5
Saturday, October 27, 18	ES	7	Sunny (84*)	Contractor (Conrad) installed 40' of 30" pipes; relocated service utility line (sanitary)	YES	YES	YES	7
Sunday, October 28, 18	N-O-S	0	N/A	SES Horizon Consulting Engineers, Inc. - Did Not Make Site Visit On This Date, Contractor was Not On Site	NO	NO	NO	0
Monday, October 29, 18	ER	7	Sunny (86*)	Contractor (Conrad) installed 72' of 30" pipes; installed MH @ STA. 5+37.76	YES	YES	YES	8.5
Tuesday, October 30, 18	ER	7	Sunny (84*)	Contractor (Conrad) installed 80' of 30" pipe	YES	YES	YES	9
Wednesday, October 31, 18	ER	7	Scattered Thunderstorms (73*)	Contractor (Conrad) installed MH at STA. 3+98.00; Stopped construction early due to bad weather	YES	YES	YES	4
Thursday, November 1, 18	ER	6	Partly Cloudy (65*)	Housekeeping; Contractor (Conrad) Stopped work early due to wet conditions	NO	YES	YES	3
Friday, November 2, 18	ER	7	Sunny (76*)	Contractor (Conrad) installed inlet and 24" pipe @ STA. 3+98.00	YES	NO	NO	6
Saturday, November 3, 18	N-O-S	0	N/A	SES Horizon Consulting Engineers, Inc. - Did Not Make Site Visit On This Date, Contractor was Not On Site	NO	NO	NO	0
Sunday, November 4, 18	N-O-S	0	N/A	SES Horizon Consulting Engineers, Inc. - Did Not Make Site Visit On This Date, Contractor was Not On Site	NO	NO	NO	0
Monday, November 5, 18	ER	7	Partly Cloudy (82*)	Contractor (Conrad) installed 24" pipe @ MH located at STA. 5+37.76 and STA. 8+04.00; Road excavation performed on the southside of Ludwig Ln.	YES	YES	YES	8
Tuesday, November 6, 18	ER	7	Partly Cloudy (84*)	Contractor (Conrad) installed 24" pipe @ MH located at STA. 8+04.00 and STA. 11+20.00	YES	YES	YES	7
Wednesday, November 7, 18	ER	7	Sunny (88*)	Contractor (Conrad) excavated at STA. 2+60.20 looking for service utility lines	YES	YES	YES	5
Thursday, November 8, 18	ER	10	Cloudy (75*)	Contractor (Conrad) continued road excavation at southside of Ludwig Ln.; Housekeeping	NO	YES	YES	4
Friday, November 9, 18	ER	0	Rain (61*)	Contractor (Conrad) Not-On-Site due to bad weather; Checked site in the morning and afternoon	NO	YES	YES	1



FORT BEND COUNTY
 LUDWIG LANE
 LIMITS: DULLES AVENUE TO BRAND LANE
 FORT BEND COUNTY PROJECT NUMBER 13208
 SES HORIZON PURCHASE ORDER 165957
 DAILY CONSTRUCTION ACTIVITY LOG
 SERVICE PERIOD: AUGUST 30, 2018 TO NOVEMBER 12, 2018

DATE	INSPECTOR ON-SITE	NUMBER OF CONTRACTORS EMPLOYEES ON-SITE	WEATHER CONDITIONS	CONSTRUCTION ACTIVITY	GEO/LAB PRESENT	CHECKED SW3P	CHECKED TCP	INSPECTOR HOURS ON-SITE
Saturday, November 10, 18	N-O-S	0	N/A	SES Horizon Consulting Engineers, Inc. - Did Not Make Site Visit On This Date, Contractor was Not On Site	NO	NO	NO	0
Sunday, November 11, 18	N-O-S	0	N/A	SES Horizon Consulting Engineers, Inc. - Did Not Make Site Visit On This Date, Contractor was Not On Site	NO	NO	NO	0
Monday, November 12, 18	ER	4	Rain (59')	Contractor (Conrad) Not-On-Site due to bad weather. Checked site in the morning and afternoon	NO	YES	YES	1
				SUBTOTAL OF MANHOURS				351