

AGREEMENT

**AGREEMENT FOR PROJECT MANAGEMENT, CONSTRUCTION MANAGEMENT, AND CONSTRUCTION COST REIMBURSEMENT TO COUNTY IN CONJUNCTION WITH THE MIDDLEFIELD ROAD UNDERGROUND UTILITY DISTRICT (PHASE II) AND MIDDLEFIELD ROAD IMPROVEMENT PROJECT IN THE NORTH FAIR OAKS AREA OF SAN MATEO COUNTY
COUNTY PROJECT NO.: E4931
PROJECT FILE NO.: OD420**

THIS AGREEMENT, made and entered into this _____ day of _____, 2021, by and between the **COUNTY OF SAN MATEO**, a political subdivision of the State of California, hereinafter called "County", and the **MENLO PARK HIGHWAY LIGHTING DISTRICT**, a Lighting District administered by the County; **PACIFIC GAS AND ELECTRIC COMPANY (PG&E)**, a California Corporation; **AT&T**, a Telecommunication Company; **COMCAST**, a Telecommunication Company; **VERIZON**, a Telecommunication Company; and **WAVE BROADBAND**, a Telecommunication Company hereinafter collectively called "Utilities".

W I T N E S S E T H :

WHEREAS, the County of San Mateo Board of Supervisors (Board of Supervisors) adopted Resolution No. 065657 on November 5, 2002, which established the Middlefield Road Underground Utility District (Phase II) from Fifth Avenue to MacArthur Avenue in the North Fair Oaks Area as an Underground Utility District in accordance with the California Public Utility Commission (CPUC) Rule 20A, in conjunction with the Middlefield Road Improvement Project, hereinafter called "Project";

and

WHEREAS, the Board of Supervisors adopted Resolution No. 074209 on November 17, 2015, which made modifications to the Middlefield Road Underground Utility District (Phase II) boundaries to better accommodate the proposed work and improvements on Middlefield Road; and

WHEREAS, the County has accepted the responsibility to prepare the plans, specifications, engineer's estimate, and Form B document, for the conversion of overhead facilities of Utilities to underground, which generally includes trenching, installing the joint trench, underground conduit, and appurtenances for the construction of the underground utility system within Project area; and

WHEREAS, the County has completed the plans, specifications, engineer's estimate, and Form B document for the trenching, joint trench, conduit placement, and underground facilities work for the Project area; and

WHEREAS, the County has developed plans and specifications for the Road Improvements in the Project area, which includes, but is not limited to: removal of existing sidewalks and installation of wider sidewalks; replacement of existing sewer lines; installation of street and pedestrian lights, public Wifi infrastructure, street trees, green infrastructure, street furniture and a traffic signal system; construction of the joint trenches and conduits for placing the Utilities' overhead wires underground; and reconstructing Middlefield Road between Fifth Avenue and MacArthur Avenue; and

WHEREAS, the County is responsible for all engineering design, construction, inspection, project management, and construction management costs associated with the sidewalk and road improvements, street lighting, landscaping, green infrastructure, WIFI, and traffic signal system portions of the work in the Project; and

WHEREAS, the Utilities, except for the Menlo Park Highway Lighting District are responsible for completing all underground facilities work associated with pulling cables through the conduits, and utility connections; and removing joint utility poles, restoring the adjacent concrete pavement and landscaping areas; and

WHEREAS, the County has agreed to administer the bidding, awarding, construction, inspection, project management, and construction management for road improvement, sanitary sewer replacement, joint trench and underground conduit placement construction work associated with the Project; and

WHEREAS, there are additional and separate costs to the County associated with managing the Undergrounding portion of the Project that should be shared among all joint trench participants (Utilities), based on their respective trench occupancy; and

WHEREAS, the Form B document estimates the percentage of trench occupancy for each Utility and generates the total construction cost estimate for the Underground portion of the Project; and

WHEREAS, the Form B document is agreed to by every participating agency (Utilities); and

WHEREAS, the Utilities agree to have the County act as Project Manager for the Undergrounding portion of the Project in accordance with California Public Utilities Commission (CPUC) Rule 20A for the installation of these substructures as shown on County Project Plans No. 1/4931; and

WHEREAS, the Utilities agree to reimburse the County for construction costs, based on their respective actual costs for construction including contract change orders, and to reimburse the County for project management and construction management costs, based on the Utilities' actual respective percentages for the Undergrounding

portion of the Project to be invoiced quarterly by the County during the Project's construction with final invoicing by the County at the Project's completion; and

WHEREAS, PG&E takes the position that it cannot reimburse the County for project management and construction management costs because it is legally impermissible and/or unauthorized by Rule 20A and therefore those specific costs will not be invoiced by the County to PG&E; and

WHEREAS, the Utilities agree to the County's terms and conditions for bidding the Project, awarding a contract, construction and inspection of the facilities, establishment of Project costs, contract payment, settlement of disputes, and ownership of the facilities, and as specifically stipulated in this Agreement;

NOW, THEREFORE, IT IS AGREED AS FOLLOWS:

1. GENERAL PROVISIONS

- A. The Utilities' facilities to be installed and constructed under the contract administered by the County in conjunction with and as part of the Project Plans, Project Specifications and Project Contract documents generally lie within the limits of the rights of way of Middlefield Road between Fifth Avenue and MacArthur Avenue.
- B. The County, as Project Manager for the Project, will install and construct the Utility facilities listed and described in the adopted Project Plans and Specifications. Bid items for the Underground portion of the Project have been included as Schedule B in the Project Contract documents and the specified work shall be performed by the County's Project Contractor in accordance with the approved Project Plans and Project Specifications. The bid items for the underground portion of the Project (Schedule B), Construction Cost Summary

Per Utility, and Form B Construction Cost Estimate are included in Exhibit I attached hereto. Bid items for road construction and the corridor improvement's portion of the Project have been included as Schedule A in the Project Contract documents and the specified work shall be performed by the County's Project Contractor in accordance with the approved Project Plans and Project Specifications.

- C. County shall provide within seven (7) calendar days of the day of bid opening, an updated Construction Cost Summary per Utility shown in Exhibit I and notice to Utilities of the lowest responsible bidder to whom the Contract will be recommended for award.
- D. Utilities shall provide within seven (7) calendar days of receiving the summary of bids, a written response to the County regarding their acceptance of the bid results. Upon receipt of written approval from every participating agency, the County shall, if determined, award a single inseparable Contract to the bidder who has submitted the lowest responsible bid proposal for the Project.
- E. Representatives of Utilities shall be available and ready, as required, to consult and advise the County representative regarding the acceptability, installation, construction of and final approval of the construction of Utility facilities. However, County shall have sole responsibility in all matters pertaining to Project administration, control and inspection for all the phases of construction and schedules of work included in the approved Project Specifications and Project Plans. In all matters of Project administration, control, inspection, and construction, the decision of the Director of Public Works of County shall be binding and final.

- F. The County shall require that the Contractor name each participating Utility as additional insureds on all insurance documents for said project.

2. PROJECT CONSTRUCTION

- A. The Project Plans and Specifications outline each Utility's responsibility for providing materials and performing work based on the direction provided by the Utilities. However, the County shall allow Utilities to accept or decline the responsibility of providing their own substructure materials, including conduits, vaults, service boxes, and pull tape to the County's Contractor for installation by the Contractor, as shown on the approved Project Plans and Specifications and as stipulated in this Agreement, provided such responsibilities does not increase costs incurred by the County for the Project. Project Specifications shall include separate bid items for purchase and placement of Utility substructures and for placement only of Utility substructures. County shall allow Utilities to perform work by their own forces to place their own materials, including transformers and conductors, to perform the splicing and cut-over, and to remove the utility poles as shown on the approved Project Plans and Specifications and as stipulated in this Agreement. The individual Utilities agree to their following respective responsibilities:

- (1) The Menlo Park Highway Lighting District shall allow the Contractor to purchase and place all substructure for their facilities required by the Project Plans and Project Specifications, including installation of the conductors and performing the splicing and connection.
- (2) PG&E shall allow the Contractor to purchase and place all substructures, including conduits and boxes for their facilities required by the Project Plans and Project Specifications. PG&E will use their own forces to place their own conductors and perform the splicing and cut-over.

- (3) AT&T shall allow the Contractor to purchase and place all substructures, including conduits and boxes for their facilities required by the Project Plans and Project Specifications. AT&T will use their own forces to place their own conductors and perform the splicing and cut-over.
- (4) Comcast shall allow the Contractor to purchase and place all substructures, including conduits and boxes for their facilities required by the Project Plans and Project Specifications. Comcast will use their own forces to place their own conductors and perform the splicing and cut-over.
- (5) Verizon shall allow the Contractor to purchase and place all substructures, including conduits and boxes (if necessary) for their facilities required by the Project Plans and Project Specifications. Verizon will use their own forces to place their own conductors, cables, and perform the splicing and cut-over.
- (6) Wave Broadband shall allow the Contractor to purchase and place all substructures, including conduits and boxes for their facilities required by the Project Plans and Project Specifications. Wave Broadband will use their own forces to place their own conductors, cables, and perform the splicing and cut-over.

B. Except as outlined above, where Utilities are accepting responsibility to provide their own materials and place their own facilities, the work done by County shall consist of and be limited to:

- (1) County shall provide all labor, materials, tools, equipment, and incidentals to be furnished and all work in connection with the trenching, placement of conduit, and installation of the substructure systems as shown on, described in, and to the extent required by the approved Project Plans and Project Specifications, and as directed by

the Engineer with approval of the Utilities to be completed.

- (2) All trench excavation, backfill, compaction, trench sawcutting, trench surface material replacement, and site repair for the substructure systems.
 - (3) Installation of ducting, conduits, boxes, transformer pads, grounds, conduit elbows and riser bends, end caps, conductor pull tape, street lights, foundations, base rock, and incidental, appurtenant materials.
 - (4) Ensuring that the Contractor installs all splice boxes and utility vaults, to final grades.
- C. The work involved in installing conduits and/or other Utility facilities outside the roadway rights of way shall be the responsibility of Utilities or others except as specifically shown on and/or described in the approved Project Plans and Project Specifications. Each Utility owner shall be responsible for the installation and maintenance of the conduit and termination box located on, under, or within any structure on the premises served.
- D. All conductor cable, except conductor cable to be used by the Menlo Park Highway Lighting District, new riser poles, relocation of existing poles and wires, relocation of existing equipment, new equipment, and appurtenances required by Utilities shall be furnished, installed, constructed, connected, and/or converted by Utilities or others by their separate forces concurrently with the work included under the approved Project Plans and Project Specifications.

3. CONSTRUCTION INSPECTION

- A. County shall furnish primary construction inspection services for all phases of the Project work. The Director of Public Works or their appointed representative shall be solely responsible for all phases of construction and inspection functions and liaison with the Project Contractor.

- B. All communications and directions of Utilities to the Project Contractor shall be directed through the County representative.
- C. Utilities' inspectors and/or representatives shall have access to the work on Utilities' facilities at all times, and without restriction for purposes of construction and inspection of such facility.
- D. The County's and Utilities' representatives shall cooperate and confer to facilitate the performance of inspection duties incident to expeditious completion and acceptance of Utility facilities.

4. PROJECT COSTS AND PAYMENTS

A. Project Management and Construction Management Costs

- (1) Utilities and County agree that there are additional and separate costs incurred by the County for project management, which shall include consolidation of the Project Plans and Specifications, advertisement for bids, and awarding the Project and for construction management. The construction management may include inspection services, surveying services, and trench compaction testing, of the undergrounding portion of the Project. These costs shall be shared among all trench participants, based on their respective trench occupancy.
- (2) The project management and construction management costs associated with the undergrounding portion of the Project shall be defined as ten percent (10%) of the actual construction costs. The estimated construction costs, excluding project and construction management costs, per Utility are included in Exhibit I.
- (3) Project management and construction management costs to be paid by the Utilities shall be pro-rated to each Utility based on the respective

percentages of the actual construction costs for each Utility as shown in Exhibit I, including change orders, billed quarterly during the Project's construction with final billing at Project completion.

B. Construction Costs

Utilities agree to reimburse County for construction expenses based on the actual costs to County for applicable Contract bid items. Exhibit I contains an estimate of the total cost for all underground work and a construction cost summary segregated by utility. Each Utility's estimated share of the construction costs is based on the trench participation percentages as shown in Exhibit I.

C. Other Costs

- (1) Costs associated with utility relocation work due to the discovery of a conflict with existing unknown or unmarked facilities shall be divided among all trench participants based on the respective percentages of the overall trench occupation and included in the quarterly and final invoices to the Utilities.
- (2) Costs associated with delays due to a particular trench participant causing the delay of construction shall not be divided among all Utilities, but rather be absorbed by the Utility causing such delay. A delay of this nature is inclusive of a situation whereby a Utility fails to have the materials they have agreed to provide onsite and ready for placement.
- (3) The responsibility to reimburse the County for Contract Change Orders for additional bid items or for additional unforeseen work shall be absorbed by the specific Utility or Utilities requesting such changes.

D. Payments

- (1) Throughout the duration of construction, quarterly payments will be requested from each of the Utilities. Quantities will be measured in the field by the County construction inspectors and approved by the Utilities' representatives prior to preparing invoices to the Utilities. Amounts for billing will be calculated by the Director of Public Works or their appointed representative.
- (2) Upon completion of the Utility work included under this Agreement and mutual acceptance thereof by County and Utilities' representatives, a final billing will be submitted to each Utility for the cost of project management, construction management, and remaining construction costs.
- (3) Utilities agree to be responsible for and shall reimburse the County, within thirty-five calendar (35) days after receipt of all invoices.

5. OTHER CONDITIONS

Construction of underground facilities shall be limited to the extent of existing building foundations and County Right of Way. The exact termination point for underground facilities at or near the proposed riser and connection location may be modified in the field to avoid conflicts with existing foundations. Property owners shall be responsible for any construction that would involve demolition of an existing building foundation.

The Utilities accept the responsibility to install curb, gutter, and sidewalk sections where utility poles require removal, should the County's road and sidewalk construction portion of the Project be completed prior to the Utilities being able to energize the underground facilities, disconnect the overhead

system, and remove the poles. The Utility responsible for pole removal and curb, gutter, and sidewalk replacement shall notify the County at least five (5) working days prior to the beginning of any new curb, gutter, or sidewalk construction work. Any curb, gutter, or sidewalk replaced due to pole removal shall meet the County of San Mateo Standards, be constructed to match the specifications, plans, slopes, grades, color, and finish of the existing conforming curbs, gutters, and sidewalks to the satisfaction of the County.

6. PROJECT WARRANTY

The County, in its agreement with the Project Contractor, will require that the Contractor shall guarantee all materials and workmanship performed by the Project Contractor or his subcontractors for a period of one (1) year from date of acceptance of the Project by the Director of Public Works. Any defects due to faulty materials, method of installation or workmanship within that period shall be repaired by the Contractor promptly, upon notice by the Engineer, at the expense of the Contractor. County will cooperate with Utilities in the enforcement of such guarantee. This guarantee shall be operative in lieu of all other guarantees or warranties.

7. SETTLEMENT OF DISPUTE

In the event a dispute occurs between the participating agencies arising out of either the interpretation or performance of the terms of this Agreement, and suit is filed thereon by either party, the prevailing party shall be entitled to proper costs of suit as the court may award. Any and all claims for money or damages arising out of the interpretation or performance of this Agreement and made by Utilities against County shall comply with the procedures and time

limitations as set forth in Section 810 et. Seq. of the California Government Code.

8. OWNERSHIP OF FACILITIES

Upon completion of the work specified under this Agreement, and mutual acceptance thereof by County and Utilities' representatives, all facilities so installed and constructed shall become the property of and vest in Utilities.

9. HOLD HARMLESS AND INDEMNIFICATION

To the full extent permitted by law, the Utilities shall defend, indemnify and hold harmless the County, its officers, agents and employees from all claims, damages, suits, or actions of every name, kind, and description, arising out of or relating to the matters covered by this Agreement to the extent that such claims, damages, suits or actions are due to the negligence or willful misconduct of the Utilities or the Utilities' failure to perform obligations required of the Utilities under this Agreement.

Likewise, to the full extent permitted by law, the County shall defend, indemnify and hold harmless the Utilities, its officers, agents and employees from all claims, damages, suits or actions of every name, kind, and description, arising out of or relating to the matters covered by this Agreement to the extent such claims, damages, suits or actions are due to the negligence or willful misconduct of the County or the County's failure to perform obligations required of the County under this Agreement.

The duty to defend, indemnify and hold harmless includes the obligations as set forth in California Civil Code 2778. The County shall require the Contractor to name the County and each participating Utility and their officers, agents, and

employees as additional insureds on all insurance documents, which Contractor is required to provide for this Project, and to include all work performed on behalf of the Utilities in the bonds, warranties and guaranties to be furnished by the County's Contractor according to the specifications. The benefits arising under this Section 9 shall apply to the respective directors, officers, employees and agents of the parties thereto.

10. TERMS OF AGREEMENT

Unless otherwise set forth in this Agreement or unless this paragraph is subsequently modified by written amendment to this Agreement, the term of this Agreement shall be three (3) years, beginning on the Effective Date of this Agreement, or three (3) years, beginning on the Effective Date of the construction contract for said work, whichever occurs later.

The Director of Public Works shall be able to execute Project contract amendments to modify the County's fiscal obligations under the Form B document, the Project Schedule B work, contract change orders, and/or modify the contract terms, if necessary, to accommodate any constraints, or changes during construction.

11. AMENDMENTS

No modification, waiver, termination, or amendment of this Agreement is effective unless made in writing signed by all parties. The Director of Public Works is authorized to execute Amendments on behalf of the County. Amendments may include, but not be limited to additional joint trench participants identified subsequent to execution of the Agreement, said participants would be required to comply with the Agreement requirements outlined herein.

12. COUNTERPARTS

This Agreement may be executed in any number of counterparts, each of which, when executed and delivered, shall be deemed to be an original, and all of which, when taken together, shall be deemed to be one and the same instrument.

13. SUCCESSORS AND ASSIGNS

This Agreement shall be binding upon the respective successors and assigns of the parties hereto.

IN WITNESS WHEREOF, the parties hereto, by their duly authorized representatives, have affixed their hands on the day and year first above written.

"County"

COUNTY OF SAN MATEO
A Political Subdivision of the
State of California

By: _____
David J. Canepa
President, Board of Supervisors, San Mateo County

Date: _____

ATTEST:

By: _____
Clerk of Said Board

"Utilities"

PACIFIC GAS AND ELECTRIC CO.

BY: _____

SIGNATURE SHEET for the Agreement entitled, "Agreement for Project Management, Construction Management, and Construction Cost Reimbursement to County in Conjunction with the Middlefield Road Underground Utility District (Phase II) and Corridor Improvements Project in the North Fair Oaks Area of San Mateo County."

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COUNTY OF SAN MATEO
A Political Subdivision of the
State of California

By: _____
David J. Canepa
President, Board of Supervisors, San Mateo County

Date: _____

ATTEST:

By: _____
Clerk of Said Board

"Utilities"

AT&T

BY _____

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A Political Subdivision of the
State of California

By: _____
David J. Canepa
President, Board of Supervisors, San Mateo County

Date: _____

ATTEST:

By: _____
Clerk of Said Board

"Utilities"

COMCAST

BY _____

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COUNTY OF SAN MATEO
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By: _____
David J. Canepa
President, Board of Supervisors, San Mateo County

Date: _____

ATTEST:

By: _____
Clerk of Said Board

"Utilities"

WAVE BROADBAND

BY _____

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COUNTY OF SAN MATEO
A Political Subdivision of the
State of California

By: _____
David J. Canepa
President, Board of Supervisors, San Mateo County

Date: _____

ATTEST:

By: _____
Clerk of Said Board

"Utilities"

VERIZON

BY _____

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"County"

COUNTY OF SAN MATEO
A Political Subdivision of the
State of California

By: _____
David J. Canepa
President, Board of Supervisors, San Mateo County

Date: _____

ATTEST:

By: _____
Clerk of Said Board

"Utilities"

MENLO PARK HIGHWAY LIGHTING DISTRICT

By: _____
David J. Canepa
President, Board of Supervisors, San Mateo County

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SCHEDULE B (JOINT TRENCH):

Item No.	Section No.	Estimated Quantity	Unit of Measure	Item Description	Item Price (In Figures)	Total (In Figures)
1	10	1	LS	Construction Waste Management	\$ 200000	\$ 200000
2	11	1	LS	Mobilization	\$ 50000	\$ 50000
3	11-3	1	LS	Water Pollution Control	\$ 25000	\$ 25000
4	12	1	LS	Maintaining Traffic	\$ 30000	\$ 30000
5	15-2	26,675	LF	Sawcut Asphalt Concrete and Portland Cement Concrete	\$ 2	\$ 53350
6	103-1 (S)	<u>6</u>	EA	Electric Utility box - 4'6" x 8'6" x 6" #7-Box	\$ 14000	\$ 84000
7	103-1 (S)	8	EA	Electric Utility box - 54" x 102" x 72" #7TR Box	\$ 15000	\$ 120000
8	103-1 (S)	1	EA	Electric Utility box - 54" x 102" x 72" #7S Box	\$ 14000	\$ 14000
9	103-1 (S)	6	EA	Electric Utility box - 54" x 78" x 60" #6S Box	\$ 12000	\$ 72000
10	103-1 (S)	1	EA	Electric Utility box - 54" x 78" x 60" #6J Box	\$ 12000	\$ 12000
11	103-1 (S)	2	EA	Electric Utility box - 54" x 78" x 60" #6I Box	\$ 12000	\$ 24000
<u>11A</u>	<u>103-1</u> (S)	<u>1</u>	<u>EA</u>	<u>Electric Utility box - 36" x 60" x 30" #5 Box</u>	\$ 7000	\$ 7000
<u>11B</u>	<u>103-1</u> (S)	<u>1</u>	<u>EA</u>	<u>Electric Utility box - 36" x 60" x 54" #5S Splice Box</u>	\$ 8000	\$ 8000
12	103-1 (S)	<u>17</u>	EA	Electric Utility box - 24" x 36" x 36" #3F Splice Box Full Traffic	\$ 3500	\$ 59500

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PROPOSAL (SCHEDULE B) – Continued from Previous Page

Item No.	Section No.	Estimated Quantity	Unit of Measure	Item Description	Item Price (In Figures)	Total (In Figures)
13	103-1 (S)	<u>14</u>	EA	Electric Utility box - 24" x 36" x <u>26"</u> #3 Splice Box	\$ 1200-	\$ 16800-
14	103-1 (S)	4	EA	Electric Utility box - <u>24" x 36" x 26"</u> #2-Box	\$ 1000-	\$ 4000-
<u>14A</u>	<u>103-1</u> (S)	<u>1</u>	<u>EA</u>	<u>Electric Utility box - 17" x 36" x 30" #2F Box</u>	\$ 3500-	\$ 3500-
<u>14B</u>	<u>103-1</u> (S)	<u>2</u>	<u>EA</u>	<u>Electric Utility box - 17" x 30" x 30" #2F Box</u>	\$ 3500-	\$ 7000-
15	103-1 (S)	7	EA	Telephone Utility box - 48" x 78" x 48" T8-Box	\$ 9000-	\$ 63000-
16	103-1 (S)	7	EA	Telephone Utility box - 30" x 48" x 36" T4-Box	\$ 2000-	\$ 14000-
17	103-1 (S)	9	EA	Telephone Utility box - 17" x 30" x 24" T3-Box	\$ 1500-	\$ 13500-
18	103-1 (S)	13	EA	Fiber Utility box - 30" x 48" x 24" B-48 Box	\$ 1500-	\$ 19500-
19	103-1 (S)	21	EA	Fiber Utility box - 24" x 36" x 14" B-40 Box	\$ 1300-	\$ 27300-
20	103-1 (S)	33	EA	CATV Utility Box - 20" x 42" x 24" B-44 Box	\$ 1200-	\$ 39600-
21	103-1 (S)	2	EA	Telephone Utility box - 30" x 60" x 36" T2-Box	\$ 3000-	\$ 6000-
22	103-1 (S)	392	LF	Utility Trench Section D - 24x60	\$ 320-	\$ 125440-
23	103-1 (S)	25	LF	Utility Trench Section D1 - 36x60	\$ 370-	\$ 9250-
24	103-1 (S)	90	LF	Utility Trench Section D2 - 24x53	\$ 320-	\$ 28800-
25	103-1 (S)	46	LF	Utility Trench Section D3 - 42x63	\$ 405-	\$ 18630-
26	103-1 (S)	19	LF	Utility Trench Section D4 - 42x63	\$ 405-	\$ 7695-

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PROPOSAL (SCHEDULE B) – Continued from Previous Page

Item No.	Section No.	Estimated Quantity	Unit of Measure	Item Description	Item Price (In Figures)	Total (In Figures)
27	103-1 (S)	332	LF	Utility Trench Section D5 - 24x58	\$ 310-	\$ 102920-
28	103-1 (S)	45	LF	Utility Trench Section D6 - 36x58	\$ 415-	\$ 18675-
29	103-1 (S)	30	LF	Utility Trench Section D7 - 36x64	\$ 390-	\$ 11700-
30	103-1 (S)	22	LF	Utility Trench Section D8 - 42x62	\$ 410-	\$ 9020-
31	103-1 (S)	17	LF	Utility Trench Section D9 - 36x65	\$ 415-	\$ 7055-
32	103-1 (S)	133	LF	Utility Trench Section D10 - 18x56	\$ 305-	\$ 40565-
33	103-1 (S)	15	LF	Utility Trench Section D11 - 36x65	\$ 400-	\$ 6000-
33A	103-1 (S)	78	LF	Utility Trench Section D12 - 24x60	\$ 350-	\$ 27300-
34	103-1 (S)	58	LF	Utility Trench Section D14 - 42x62	\$ 420-	\$ 24360-
35	103-1 (S)	116	LF	Utility Trench Section D15 - 42x62	\$ 420-	\$ 48720-
36	103-1 (S)	24	LF	Utility Trench Section D16 - 18x52	\$ 310-	\$ 7440-
37	103-1 (S)	93	LF	Utility Trench Section D17 - 30x65	\$ 360-	\$ 33480-
38	103-1 (S)	230	LF	Utility Trench Section D18 - 36x60	\$ 410-	\$ 94300-
39	103-1 (S)	67	LF	Utility Trench Section D19 - 42x62	\$ 430-	\$ 28810-
40	103-1 (S)	95	LF	Utility Trench Section D20 - 24x60	\$ 340-	\$ 32300-
41	103-1 (S)	35	LF	Utility Trench Section D21 - 30x58	\$ 340-	\$ 11900-
42	103-1 (S)	16	LF	Utility Trench Section D22 - 30x60	\$ 380-	\$ 6080-
43	103-1 (S)	67	LF	Utility Trench Section D23 - 30x63	\$ 370-	\$ 24790-

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PROPOSAL (SCHEDULE B) – Continued from Previous Page

Item No.	Section No.	Estimated Quantity	Unit of Measure	Item Description	Item Price (In Figures)	Total (In Figures)
44	103-1 (S)	431	LF	Utility Trench Section D24 - 24x56	\$ 330-	\$ 142,230- 142,000-
45	103-1 (S)	198	LF	Utility Trench Section D25 - 36x64	\$ 400-	\$ 79,200-
46	103-1 (S)	14	LF	Utility Trench Section D26 - 30x60	\$ 380-	\$ 5,320-
47	103-1 (S)	32	LF	Utility Trench Section D28 - 30x58	\$ 360-	\$ 11,520-
48	103-1 (S)	63	LF	Utility Trench Section D29 - 42x63	\$ 410-	\$ 25,830-
49	103-1 (S)	32	LF	Utility Trench Section D30 - 30x58	\$ 350-	\$ 11,200-
50	103-1 (S)	83	LF	Utility Trench Section D31 - 24x55	\$ 320-	\$ 26,560-
51	103-1 (S)	135	LF	Utility Trench Section D32 - 30x60	\$ 380-	\$ 51,300-
52	103-1 (S)	67	LF	Utility Trench Section D33 - 30x60	\$ 370-	\$ 24,790-
53	103-1 (S)	72	LF	Utility Trench Section D34 - 30x54	\$ 350-	\$ 25,200-
54	103-1 (S)	203	LF	Utility Trench Section D35 - 24x58	\$ 330-	\$ 66,990-
55	103-1 (S)	40	LF	Utility Trench Section D36 - 36x70	\$ 410-	\$ 16,400-
56	103-1 (S)	60	LF	Utility Trench Section D37 - 36x65	\$ 390-	\$ 23,400-
57	103-1 (S)	21	LF	Utility Trench Section D38 - 24x58	\$ 330-	\$ 6,930-
58	103-1 (S)	36	LF	Utility Trench Section D39 - 18x58	\$ 330-	\$ 11,880-
59	103-1 (S)	33	LF	Utility Trench Section D40 - 24x53	\$ 310-	\$ 10,230-
60	103-1 (S)	10	LF	Utility Trench Section D41 - 36x70	\$ 440-	\$ 4,400-
61	103-1 (S)	55	LF	Utility Trench Section D42 - 36x65	\$ 410-	\$ 22,550-

PROPOSAL (SCHEDULE B) – Continued on Next Page

PROPOSAL (SCHEDULE B) - Continued from Previous Page

Item No.	Section No.	Estimated Quantity	Unit of Measure	Item Description	Item Price (In Figures)	Total (In Figures)
62	103-1 (S)	42	LF	Utility Trench Section D43 - 36x64	\$ 380-	\$ 15960-
63	103-1 (S)	66	LF	Utility Trench Section D44 - 36x65	\$ 400-	\$ 26400-
64	103-1 (S)	23	LF	Utility Trench Section D45 - 42x55	\$ 400-	\$ 9200-
65	103-1 (S)	17	LF	Utility Trench Section D46 - 30x65	\$ 380-	\$ 6460-
66	103-1 (S)	25	LF	Utility Trench Section D48 - 30x58	\$ 350-	\$ 8750-
67	103-1 (S)	36	LF	Utility Trench Section D49 - 24x58	\$ 350-	\$ 12600-
68	103-1 (S)	18	LF	Utility Trench Section D50 - 18x58	\$ 310-	\$ 5580-
69	103-1 (S)	60	LF	Utility Trench Section D51 - 42x63	\$ 390-	\$ 23400-
70	103-1 (S)	31	LF	Utility Trench Section D52 - 42x63	\$ 390-	\$ 12090-
71	103-1 (S)	31	LF	Utility Trench Section D53 - 42x54	\$ 380-	\$ 11780-
72	103-1 (S)	28	LF	Utility Trench Section D54 - 24x62	\$ 340-	\$ 9520-
73	103-1 (S)	46	LF	Utility Trench Section D55 - 30x53	\$ 340-	\$ 15640-
74	103-1 (S)	19	LF	Utility Trench Section D56 - 30x55	\$ 370-	\$ 7030-
75	103-1 (S)	17	LF	Utility Trench Section D57 - 30x61	\$ 370-	\$ 6290-
76	103-1 (S)	39	LF	Utility Trench Section D58 - 36x65	\$ 410-	\$ 15990-
77	103-1 (S)	74	LF	Utility Trench Section D59 - 18x56	\$ 320-	\$ 23680-
78	103-1 (S)	11	LF	Utility Trench Section D60 - 30x64	\$ 400-	\$ 4400-
79	103-1 (S)	17	LF	Utility Trench Section D61 - 36x60	\$ 380-	\$ 6460-

PROPOSAL (SCHEDULE B) - Continued on Next Page

PROPOSAL (SCHEDULE B) – Continued from Previous Page

Item No.	Section No.	Estimated Quantity	Unit of Measure	Item Description	Item Price (In Figures)	Total (In Figures)
<u>79A</u>	<u>103-1</u> <u>(S)</u>	<u>57</u>	<u>LF</u>	<u>Utility Trench Section</u> <u>D62 – 36x64</u>	\$ <u>390-</u>	\$ <u>22230-</u>
80	103-1 <u>(S)</u>	7	LF	Utility Trench Section D63 - 24x58	\$ <u>320-</u>	\$ <u>2240-</u>
81	103-1 <u>(S)</u>	39	LF	Utility Trench Section D64 - 42x54	\$ <u>380-</u>	\$ <u>14820-</u>
82	103-1 <u>(S)</u>	7	LF	Utility Trench Section D65 - 24x57	\$ <u>330-</u>	\$ <u>2310-</u>
83	103-1 <u>(S)</u>	32	LF	Utility Trench Section D66 - 30x56	\$ <u>360-</u>	\$ <u>11520-</u>
84	103-1 <u>(S)</u>	62	LF	Utility Trench Section F - 24x59	\$ <u>330-</u>	\$ <u>20460-</u>
85	103-1 <u>(S)</u>	32	LF	Utility Trench Section D67 - 42x63	\$ <u>420-</u>	\$ <u>13440-</u>
86	103-1 <u>(S)</u>	<u>38</u>	LF	Utility Trench Section D68 - 30x60	\$ <u>390-</u>	\$ <u>14820-</u>
87	103-1 <u>(S)</u>	<u>45</u>	LF	Utility Trench Section <u>D70 42x48</u>	\$ <u>400-</u>	\$ <u>18000-</u>
<u>87A</u>	<u>103-1</u> <u>(S)</u>	<u>38</u>	<u>LF</u>	<u>Utility Trench Section</u> <u>D71 30x52</u>	\$ <u>330-</u>	\$ <u>12540-</u>
88	103-1 <u>(S)</u>	57	LF	Utility Trench Section F1 - 42x54	\$ <u>390-</u>	\$ <u>22230-</u>
89	103-1 <u>(S)</u>	11	LF	Utility Trench Section F2 - 42x54	\$ <u>390-</u>	\$ <u>4290-</u>
90	103-1 <u>(S)</u>	25	LF	Utility Trench Section F5 - 30x59	\$ <u>350-</u>	\$ <u>8750-</u>
91	103-1 <u>(S)</u>	51	LF	Utility Trench Section F6 - 18x52	\$ <u>290-</u>	\$ <u>14790-</u>
92	103-1 <u>(S)</u>	58	LF	Utility Trench Section F7 - 12x52	\$ <u>280-</u>	\$ <u>16240-</u>
<u>92A</u>	<u>103-1</u> <u>(S)</u>	<u>20</u>	<u>LF</u>	<u>Utility Trench Section</u> <u>F8 – 30x46</u>	\$ <u>320-</u>	\$ <u>6400-</u>
<u>92B</u>	<u>103-1</u> <u>(S)</u>	<u>10</u>	<u>LF</u>	<u>Utility Trench Section</u> <u>F9– 18x46</u>	\$ <u>280-</u>	\$ <u>2800-</u>
<u>92C</u>	<u>103-1</u> <u>(S)</u>	<u>754</u>	<u>LF</u>	<u>Utility Trench Section</u> <u>F10 – 18x46</u>	\$ <u>280-</u>	\$ <u>21120-</u>

PROPOSAL (SCHEDULE B) – Continued on Next Page

PROPOSAL (SCHEDULE B) – Continued from Previous Page

Item No.	Section No.	Estimated Quantity	Unit of Measure	Item Description	Item Price (In Figures)	Total (In Figures)
93	103-1 (S)	181	LF	Utility Trench Section G - 36x59	\$ 390-	\$ 70590-
94	103-1 (S)	28	LF	Utility Trench Section G1 - 24x50	\$ 320-	\$ 8960-
95	103-1 (S)	45	LF	Utility Trench Section G2 - 24x56	\$ 320-	\$ 14400-
96	103-1 (S)	59	LF	Utility Trench Section G3 - 30x58	\$ 340-	\$ 20060-
97	103-1 (S)	30	LF	Utility Trench Section G4 - 12x50	\$ 280-	\$ 8400-
98	103-1 (S)	56	LF	Utility Trench Section G7 - 30x60	\$ 350-	\$ 19600-
99	103-1 (S)	196	LF	Utility Trench Section H - 12x43	\$ 150-	\$ 29400-
100	103-1 (S)	106	LF	Utility Trench Section H1 - 18x43	\$ 160-	\$ 16960-
101	103-1 (S)	49	LF	Utility Trench Section H2 - 30x43	\$ 210-	\$ 10290-
102	103-1 (S)	113	LF	Utility Trench Section H3 - 18x41	\$ 150-	\$ 16950-
103	103-1 (S)	167	LF	Utility Trench Section H5 - 30x43	\$ 200-	\$ 33400-
104	103-1 (S)	363	LF	Utility Trench Section H6 - 12x41	\$ 150-	\$ 54450-
105	103-1 (S)	50	LF	Utility Trench Section H7 - 30x41	\$ 200-	\$ 10000-
106	103-1 (S)	41	LF	Utility Trench Section H8 - 24x49	\$ 180-	\$ 7380-
107	103-1 (S)	67	LF	Utility Trench Section H9 - 18x48	\$ 160-	\$ 10720-
108	103-1 (S)	111	LF	Utility Trench Section H10 - 18x43	\$ 150-	\$ 16650-
109	103-1 (S)	598	LF	Utility Trench Section H11 - 18x37	\$ 160-	\$ 95680-
110	103-1 (S)	94	LF	Utility Trench Section H12- 30x53	\$ 230-	\$ 21620-

PROPOSAL (SCHEDULE B) – Continued from Previous Page

PROPOSAL (SCHEDULE B) – Continued from Previous Page

Item No.	Section No.	Estimated Quantity	Unit of Measure	Item Description	Item Price (In Figures)	Total (In Figures)
111	103-1 (S)	17	LF	Utility Trench Section <u>H13 – 72x47</u>	\$ 180-	\$ 3060-
112	103-1 (S)	31	LF	Utility Trench Section <u>H14 – 42x42</u>	\$ 180-	\$ 5580-
113	103-1 (S)	129	LF	Utility Trench Section <u>H15 – 24x53</u>	\$ 180-	\$ 23220-
114	103-1 (S)	47	LF	Utility Trench Section <u>H16- 30x53</u>	\$ 180-	\$ 8460-
115	103-1 (S)	16	LF	Utility Trench Section <u>H17 – 24x51</u>	\$ 200-	\$ 3200-
<u>115A</u>	<u>103-1</u> (S)	<u>69</u>	<u>LF</u>	<u>Utility Trench</u> <u>Section H18 – 42x52</u>	\$ 260-	\$ 17940-
116	103-1 (S)	39	LF	Utility Trench Section <u>H19- 30x53</u>	\$ 330-	\$ 12870-
117	103-1 (S)	<u>20</u>	LF	Utility Trench Section <u>H20 – 18x48</u>	\$ 150-	\$ 3000-
<u>117A</u>	<u>103-1</u> (S)	<u>140</u>	<u>LF</u>	<u>Utility Trench</u> <u>Section L-18x41</u>	\$ 170-	\$ 23800-
118	103-1 (S)	201	LF	Utility Trench Section <u>L1 – 18x36</u>	\$ 160-	\$ 32160-
119	103-1 (S)	136	LF	Utility Trench Section <u>L2 – 18x41</u>	\$ 170-	\$ 23120-
120	103-1 (S)	69	LF	Utility Trench Section <u>L3 – 12x50</u>	\$ 280-	\$ 19320-
121	103-1 (S)	184	LF	Utility Trench Section <u>L5 – 12x36</u>	\$ 150-	\$ 27600-
122	103-1 (S)	<u>246</u>	LF	Utility Trench Section <u>L6 – 18x41</u>	\$ 180-	\$ 44280-
123	103-1 (S)	137	LF	Utility Trench Section <u>L7 – 18x35</u>	\$ 160-	\$ 21920-
124	103-1 (S)	38	LF	Utility Trench Section <u>L8 – 18x29</u>	\$ 150-	\$ 5700-
125	103-1 (S)	176	LF	Utility Trench Section L9 - 12x33	\$ 150-	\$ 26400-
126	103-1 (S)	54	LF	Utility Trench Section L10 - 18x35	\$ 160-	\$ 8640-

PROPOSAL (SCHEDULE B) – Continued on Next Page

PROPOSAL (SCHEDULE B) – Continued from Previous Page

Item No.	Section No.	Estimated Quantity	Unit of Measure	Item Description	Item Price (In Figures)	Total (In Figures)
127	103-1 (S)	46	LF	Utility Trench Section L11 - 24x39	\$ 150-	\$ 6900-
128	103-1 (S)	173	LF	Utility Trench Section L12 - 18x51	\$ 280-	\$ 48440-
129	103-1 (S)	73	LF	Utility Trench Section L13 - 12x38	\$ 160-	\$ 11680-
130	103-1 (S)	18	LF	Utility Trench Section L14 - 18x39	\$ 170-	\$ 3060-
131	103-1 (S)	164	LF	Utility Trench Section L15 - 12x37	\$ 150-	\$ 24600-
131A	103-1 (S)	74	LF	Utility Trench Section L16 - 18x36	\$ 170-	\$ 12580-
131B	103-1 (S)	9	LF	Utility Trench Section L19 - 18x36	\$ 170-	\$ 1530-
132	103-1 (S)	<u>771</u>	LF	Utility Trench Section P - 12x54	\$ 300-	\$ 231300-
133	103-1 (S)	13	LF	Utility Trench Section P1 - 18x54	\$ 300-	\$ 3900-
134	103-1 (S)	61	LF	Utility Trench Section P2 - 12x56	\$ 280-	\$ 17080-
135	103-1 (S)	82	LF	Utility Trench Section P3 - 24x52	\$ 310-	\$ 25420-
136	103-1 (S)	83	LF	Utility Trench Section P4 - 24x58	\$ 310-	\$ 25730-
137	103-1 (S)	139	LF	Utility Trench Section P5 - 12x50	\$ 300-	\$ 41700-
138	103-1 (S)	40	LF	Utility Trench Section P6 - 12x55	\$ 290-	\$ 11600-
139	103-1 (S)	39	LF	Utility Trench Section P7 - 18x51	\$ 300-	\$ 11700-
140	103-1 (S)	17	LF	Utility Trench Section P8 - 18x53	\$ 310-	\$ 5270-
141	103-1 (S)	22	LF	Utility Trench Section P9 - 18x56	\$ 320-	\$ 7040-

PROPOSAL (SCHEDULE B) – Continued on Next Page

PROPOSAL (SCHEDULE B) – Continued from Previous Page

Item No.	Section No.	Estimated Quantity	Unit of Measure	Item Description	Item Price (In Figures)	Total (In Figures)
142	103-1 (S)	25	LF	Utility Trench Section P10 - 18x49	\$ 290-	\$ 7250-
143	103-1 (S)	81	LF	Utility Trench Section P11 - 18x58	\$ 320-	\$ 25920-
144	103-1 (S)	102	LF	Utility Trench Section P12 - 12x51	\$ 290-	\$ 29580-
145	103-1 (S)	82	LF	Utility Trench Section P14 - 18x52	\$ 300-	\$ 24600-
146	103-1 (S)	338	LF	Utility Trench Section P15 - 12x52	\$ 300-	\$ 101400-
147	103-1 (S)	40	LF	Utility Trench Section P17 - 18x53	\$ 300-	\$ 12000-
148	103-1 (S)	<u>381</u>	LF	Utility Trench Section P18 - 12x54	\$ 280-	\$ 106680-
149	103-1 (S)	50	LF	Utility Trench Section P19 - 18x52	\$ 300-	\$ 15000-
150	103-1 (S)	83	LF	Utility Trench Section P20 - 18x57	\$ 320-	\$ 26560-
151	103-1 (S)	<u>69</u>	LF	Utility Trench Section P21 - 12x52	\$ 290-	\$ 20010-
152	103-1 (S)	55	LF	Utility Trench Section P22 - 18x53	\$ 300-	\$ 16500-
153	103-1 (S)	72	LF	Utility Trench Section P23 - 12x52	\$ 300-	\$ 21600-
154	103-1 (S)	12	LF	Utility Trench Section P24 - 12x30	\$ 300-	\$ 3600-
<u>154A</u>	<u>103-1</u> (S)	<u>56</u>	<u>LF</u>	<u>Utility Trench Section P25 - 12x50</u>	\$ 300-	\$ 16800-
155	103-1 (S)	12	LF	Utility Trench Section R - 24x49	\$ 270-	\$ 3240-
156	103-1 (S)	34	LF	Utility Trench Section R1 - 18x50	\$ 290-	\$ 9860-
<u>156A</u>	<u>103-1</u> (S)	<u>36</u>	<u>LF</u>	<u>Utility Trench Section R2 - 18x44</u>	\$ 280-	\$ 10080-

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PROPOSAL (SCHEDULE B) – Continued from Previous Page

Item No.	Section No.	Estimated Quantity	Unit of Measure	Item Description	Item Price (In Figures)	Total (In Figures)
156B	103-1 (S)	55	LF	Utility Trench Section R3 – 18x42	\$ 280-	\$ 15400-
157	103-1 (S)	26	LF	Utility Trench Section S - 12x49	\$ 290-	\$ 7540-
158	103-1 (S)	45	LF	Utility Trench Section S1 - 12x49	\$ 280-	\$ 12600-
158A	103-1 (S)	74	LF	Utility Trench Section S2 – 18x50	\$ 280-	\$ 20720-
159	103-1 (S)	208	LF	Utility Trench Section U - 18x41	\$ 150-	\$ 31200-
160	103-1 (S)	130	LF	Utility Trench Section U1 - 12x50	\$ 160-	\$ 20800-
161	103-1 (S)	48	LF	Utility Trench Section U2 - 24x52	\$ 160-	\$ 7680-
162	103-1 (S)	178	LF	Utility Trench Section U3 - 24x58	\$ 150-	\$ 26700-
163	103-1 (S)	32	LF	Utility Trench Section U4 - 12x50	\$ 160-	\$ 5120-
164	103-1 (S)	36	LF	Utility Trench Section U5 - 18x50	\$ 160-	\$ 5760-
165	103-1 (S)	59	LF	Utility Trench Section U6 - 18x51	\$ 150-	\$ 8850-
166	103-1 (S)	94	LF	Utility Trench Section U7 - 18x53	\$ 150-	\$ 14100-
166A	103-1 (S)	28	LF	Utility Trench Section U8 – 12x35	\$ 150-	\$ 4200-
166B	103-1 (S)	19	LF	Utility Trench Section U9 – 12x41	\$ 150-	\$ 2850-
167	103-1 (S)	187	LF	Utility Trench Section V - 18x56	\$ 150-	\$ 28050-
168	103-1 (S)	72	LF	Utility Trench Section V1 - 18x36	\$ 150-	\$ 10800-
169	103-1 (S)	32	LF	Utility Trench Section V2 - 18x58	\$ 150-	\$ 4800-

PROPOSAL (SCHEDULE B) – Continued on Next Page

PROPOSAL (SCHEDULE B) – Continued from Previous Page

Item No.	Section No.	Estimated Quantity	Unit of Measure	Item Description	Item Price (In Figures)	Total (In Figures)
170	103-1 (S)	55	LF	Utility Trench Section V3 - 12x51	\$ 170-	\$ 9350-
<u>170A</u>	<u>103-1</u> (S)	<u>21</u>	<u>LF</u>	<u>Utility Trench Section</u> <u>V4 - 18x36</u>	\$ 150-	\$ 3150-
171	103-1 (S)	1,380	LF	Utility Trench Section W - 6x35	\$ 150-	\$ 207000-
172	103-1 (S)	920	LF	Utility Trench Section W1 - 12x35	\$ 150-	\$ 138000-
173	103-1 (S)	38	LF	Utility Trench Section W2 - 18x35	\$ 150-	\$ 5700-
174	103-1 (S)	37	LF	Utility Trench Section W3 - 18x49	\$ 200-	\$ 7400-
175	103-1 (S)	25	LF	Utility Trench Section W4 - 18x41	\$ 150-	\$ 3750-
176	103-1 (S)	144	LF	Utility Trench Section W5 - 12x51	\$ 150-	\$ 21600-
177	103-1 (S)	24	LF	Utility Trench Section W6 - 12x34	\$ 150-	\$ 3600-
178	103-1 (S)	6	LF	Utility Trench Section W7 - 12x33	\$ 150-	\$ 900-
179	103-1 (S)	5	LF	Utility Trench Section W8 - 12x36	\$ 150-	\$ 750-
180	103-1 (S)	<u>49</u>	LF	Utility Trench Section W9 - 24x34	\$ 160-	\$ 7840-
181	103-1 (S)	10	LF	Utility Trench Section W10 - 18x35	\$ 160-	\$ 1600-
182	103-1 (S)	333	LF	Utility Trench Section W11 - 18x39	\$ 160-	\$ 53280-
183	103-1 (S)	14	LF	Utility Trench Section W12 - 12x35	\$ 150-	\$ 2100-
184	103-1 (S)	20	LF	Utility Trench Section W13 - 12x35	\$ 160-	\$ 3200-
185	103-1 (S)	<u>150</u>	LF	Jack and Bore Utility Crossing - Trench Section H16 - 36" DIA Casing	\$ 140-	\$ 21000-

PROPOSAL (SCHEDULE B) – Continued on Next Page

PROPOSAL (SCHEDULE B) - Continued from Previous Page

Item No.	Section No.	Estimated Quantity	Unit of Measure	Item Description	Item Price (In Figures)	Total (In Figures)
186	103-1 (S)	<u>150</u>	LF	Jack and Bore Utility Crossing - Trench Section V3 - <u>30"</u> Casing	\$ 120-	\$ 18000-
187	103-1 (S)	<u>150</u>	LF	Jack and Bore Utility Crossing - Trench Section W - 24" DIA Casing	\$ 80-	\$ 12000-
188	103-1 (S)	90	LF	Jack and Bore Utility Crossing - Trench Section U7 - 18" DIA Casing	\$ 60-	\$ 5400-
189	103-1 (S)	90	LF	Jack and Bore Utility Crossing - Trench Section V - 12" DIA Casing	\$	\$
<u>189</u>	103-1 (S)	90	LF	Jack and Bore Utility Crossing - Trench Section H6 - 10" DIA Casing	\$ 60-	\$ 5400-
191	103-1 (S)	2	LS	Jack and Bore Preparation - Pits - Jacking Pit	\$	\$
192	103-1 (S)	2	LS	Jack and Bore Preparation - Pits - Receiving Pit	\$	\$
193	103-1 (S)	2,667	CY	Jack and Bore Preparation - Backfill and Compaction of Pits - Middlefield Road	\$	\$
194	103-1 (S)	160	LF	Jack and Bore Preparation - Dewatering - Middlefield Road	\$	\$
195	103-1 (S)	160	LF	Jack and Bore Preparation - Pavement Restoration - Middlefield Road	\$	\$

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PROPOSAL (SCHEDULE B) – Continued from Previous Page

Item No.	Section No.	Estimated Quantity	Unit of Measure	Item Description	Item Price (In Figures)	Total (In Figures)
196	103-1 (S)	160	LF	Jack and Bore Preparation – Shoring – Middlefield Road	\$	\$
197	103-1 (S)	1,500	CY	Jack and Bore Preparation – Backfill and Compaction of Pits – UP R/W	\$	\$
198	103-1 (S)	90	LF	Jack and Bore Preparation – Dewatering – UP R/w	\$	\$
199	103-1 (S)	90	LF	Jack and Bore Preparation – Shoring – UP RW	\$	\$
190	113 (S)	450	LF	Jack and Bore Crossing #1 (Middlefield Road): One 36", one 30" and one 24" Steel Casings (150 LF Each)	\$ 807-	\$ 363150-
191	113 (S)	180	LF	Jack and Bore Crossing #2 (Redwood Junction): One 10" and one 18" Steel Casing (90 LF Each)	\$ 906-	\$ 163080-
192	105-3	1	LS	Trench Safety	\$ 40000-	\$ 40000-
SCHEDULE B SUB-TOTAL						\$ 5 944 850-

PROPOSAL SUMMARY	
A BID IS REQUIRED FOR THE ENTIRE WORK DESCRIBED HEREIN FOR SCHEDULE A AND SCHEDULE B. THE AWARD OF CONTRACT, IF AWARDED, WILL BE MADE ON THE BASIS OF THE LOWEST SUM TOTAL OF BOTH SCHEDULE A AND SCHEDULE B.	
SCHEDULE A SUB-TOTAL	\$ 13 186 529-
SCHEDULE B SUB-TOTAL	\$ 5 944 850-
TOTAL BASE BID (SCHEDULE A + B)	\$ 19 131 379-



X

EXHIBIT I – CONSTRUCTION COST SUMMARY PER UTILITY

Utility	Estimated Trench Participation Percentages from "Form B"	Estimated Construction Cost based on Lowest Bid
PG&E	41%	\$2,423,643.50
AT&T	16%	\$967,408.28
Comcast	13%	\$795,688.71
Wave	11%	\$681,016.59
CLEC (County Fiber)	11%	\$670,140.34
Verizon	2%	\$89,420.18
Menlo Park Highway Lighting District	5%	\$317,532.41
TOTAL	100%	\$5,944,850



7901 Stoneridge Drive, Suite 200, Pleasanton, CA 94588
(925) 682-1114

FORM B

VIZION JOB# **15-646**
ELECTRIC PG&E PM # **74004302**
NOTIFICATION # **111471274**
Project Name: **Middlefield**

Project Location: **San Mateo County/Redwood City**

Applicant: County of San Mateo
Address: 555 County Center 5th Floor
Redwood City, CA 94063

Contact: 650-363-4100

Form B Date: **6/1/2020**
Vizion Plans Date: **4/24/2020**
Author: **M. Webb**

Tentative Trench Date:

PG&E TO TRENCH

APPLICANT TO TRENCH

AT&T OR OTHER AGENCY TO TRENCH

BOX EXCAVATION DETAIL		Utility	Furnish & Install	Excavation Cost	Cost \$/Box	Occupants respective share of total estimated costs						Total	
QTY	BOX SIZE					Electric	AT&T	Comcast	WAVE B.B.	C.L.E.C.	Verizon		SL
5	4'6" x 8'6" x 6' #7-Box	Electric	\$5,606.25	\$1,868.75	\$7,475.00	\$37,375.00							\$37,375.00
8	5'4" x 10'2" x 7'2" #7TR Box	Electric	\$5,175.00	\$2,300.00	\$7,475.00	\$59,800.00							\$59,800.00
1	5'4" x 10'2" x 7'2" #7S Box	Electric	\$5,175.00	\$2,300.00	\$7,475.00	\$7,475.00							\$7,475.00
6	5'4" x 7'8" x 6'0" #6S Box	Electric	\$4,600.00	\$1,610.00	\$6,210.00	\$37,260.00							\$37,260.00
1	5'4" x 7'8" x 6'0" #6J Box	Electric	\$5,175.00	\$1,610.00	\$6,785.00	\$6,785.00							\$6,785.00
2	5'4" x 7'8" x 6'0" #6I Box	Electric	\$5,175.00	\$1,610.00	\$6,785.00	\$13,570.00							\$13,570.00
19	2'4" x 3'6" x 1'8" #3F Splice Box Full Traffic	Electric	\$230.00	\$396.75	\$626.75	\$11,908.25							\$11,908.25
15	2'4" x 3'6" x 1'8" #3 Splice Box	Electric	\$230.00	\$345.00	\$575.00	\$8,625.00							\$8,625.00
4	1'7" x 3'0" x 1'8" #2-Box	Electric	\$414.00	\$138.00	\$552.00	\$2,208.00							\$2,208.00
7	4'8" x 7'8" x 4'8" T8-Box	Telephone	*	*	\$1,380.00		\$9,660.00						\$9,660.00
TOTAL						\$185,006.25	\$9,660.00						\$194,666.25

SUMMARY	Electric	AT&T	Comcast	Wave B.B.	C.L.E.C.	Verizon	SL	Total
BOX EXCAVATION TOTALS	\$185,006.25	\$26,616.75	\$29,601.00	\$29,601.00	\$24,725.00			\$295,550.00
TRENCHING TOTALS	\$1,824,613.64	\$745,455.77	\$646,666.05	\$546,419.37	\$541,222.22	\$82,817.45	\$133,173.06	\$4,520,367.56
JACK AND BORE TOTALS	\$235,063.40	\$123,902.98	\$60,668.54	\$54,710.41	\$54,710.41		\$160,912.97	\$689,968.71
TOTAL COST	\$2,244,683.29	\$895,975.50	\$736,935.59	\$630,730.78	\$620,657.63	\$82,817.45	\$294,086.03	\$5,505,886.27



7901 Stoneridge Drive, Suite 200, Pleasanton, CA 94588
(925) 682-1114

FORM B

VIZION JOB# **15-646**
ELECTRIC PG&E PM # **74004302**
NOTIFICATION # **111471274**

Project Name: **Middlefield**
Project Location: **San Mateo County/Redwood City**

Applicant: County of San Mateo
Address: 555 County Center 5th Floor
Redwood City, CA 94063
Contact: 650-363-4100

Form B Date: **6/1/2020**
Vizion Plans Date: **4/24/2020**
Author: **M. Webb**

Tentative Trench Date:

PG&E TO TRENCH

APPLICANT TO TRENCH

AT&T OR OTHER AGENCY TO TRENCH

BOX EXCAVATION DETAIL		Utility	Furnish & Install	Excavation Cost	Cost \$/Box	Occupants respective share of total estimated costs						Total
QTY	BOX SIZE					Electric	AT&T	Comcast	WAVE B.B.	C.L.E.C.	Verizon	
7	30" x 48" x 36" T4-Box	Telephone	*	*	\$1,006.25		\$7,043.75					\$7,043.75
9	17" x 30" x 24" T3-Box	Telephone	*	*	\$805.00		\$7,245.00					\$7,245.00
13	30" x 48" x 24" B-48 Box	FIBER	NA	*	\$954.50					\$12,408.50		\$12,408.50
21	24" x 36" x 14" B-40 Box	FIBER	NA	*	\$586.50					\$12,316.50		\$12,316.50
33	20" x 42" x 24" B-44 Box	C.A.T.V.	NA	*	\$897.00			\$29,601.00	\$29,601.00			\$59,202.00
2	30" x 60" x 36" T2-Box	Telephone	*		\$1,334.00		\$2,668.00					\$2,668.00
					TOTAL		\$16,956.75	\$29,601.00	\$29,601.00	\$24,725.00		\$100,883.75

Approved By: _____

Agency: _____

Date: _____



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FORM B

VISION JOB# **15-646**
ELECTRIC PG&E PM # **74004302**
NOTIFICATION # **111471274**
Project Name: **Middlefield**
Project Location: **San Mateo County/Redwood City**

Applicant: County of San Mateo
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Form B Date: **6/1/2020**
Vizion Plans Date: **4/24/2020**
Author: **M. Webb**

Tentative Trench Date:

PG&E TO TRENCH

APPLICANT TO TRENCH

AT&T OR OTHER AGENCY TO TRENCH

Trench Section	Length (ft)	W x D (in)	Surface	Unit Cost	Electric		AT&T		Comcast		Wave B.B.		C.L.E.C.		Verizon		SL		TOTAL	
					\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%
D	392	24 x 60	Asphalt	\$402.50	\$36,604.96	23.2%	\$30,293.76	19.2%	\$30,293.76	19.2%	\$30,293.76	19.2%	\$30,293.76	19.2%						\$157,780.00
D1	25	36 x 60	Asphalt	\$603.75	\$8,694.00	57.6%	\$1,599.94	10.6%	\$1,599.94	10.6%	\$1,599.94	10.6%	\$1,599.94	10.6%						\$15,093.75
D2	90	24 x 53	Asphalt	\$355.54	\$12,031.53	37.6%			\$6,655.74	20.8%	\$6,655.74	20.8%	\$6,655.74	20.8%						\$31,998.75
D3	46	42 x 63	Asphalt	\$739.59	\$18,235.42	53.6%	\$3,946.47	11.6%	\$3,946.47	11.6%	\$3,946.47	11.6%	\$3,946.47	11.6%						\$34,021.31
D4	19	42 x 63	Asphalt	\$739.59	\$7,532.02	53.6%	\$1,630.06	11.6%	\$1,630.06	11.6%	\$1,630.06	11.6%	\$1,630.06	11.6%						\$14,052.28
D5	332	24 x 58	Asphalt	\$389.08	\$29,968.75	23.2%	\$24,801.73	19.2%	\$24,801.73	19.2%	\$24,801.73	19.2%	\$24,801.73	19.2%						\$129,175.67
D6	45	36 x 58	Asphalt	\$583.63	\$14,077.04	53.6%	\$3,046.52	11.6%	\$3,046.52	11.6%	\$3,046.52	11.6%	\$3,046.52	11.6%						\$26,263.13
D7	30	36 x 64	Asphalt	\$644.00	\$10,857.84	56.2%			\$2,820.72	14.6%	\$2,820.72	14.6%	\$2,820.72	14.6%						\$19,320.00
D8	22	42 x 62	Asphalt	\$727.85	\$5,044.03	31.5%	\$3,090.47	19.3%	\$2,626.10	16.4%	\$2,626.10	16.4%	\$2,626.10	16.4%						\$16,012.79
D9	17	36 x 65	Asphalt	\$654.06	\$7,149.56	64.3%			\$1,323.17	11.9%	\$1,323.17	11.9%	\$1,323.17	11.9%						\$11,119.06
D10	133	18 x 56	Asphalt	\$281.75	\$8,693.68	23.2%	\$7,194.77	19.2%	\$7,194.77	19.2%	\$7,194.77	19.2%	\$7,194.77	19.2%						\$37,472.75
D11	15	36 x 65	Asphalt	\$654.06	\$6,308.43	64.3%			\$1,167.50	11.9%	\$1,167.50	11.9%	\$1,167.50	11.9%						\$9,810.94
D14	58	42 x 62	Asphalt	\$727.85	\$20,770.05	49.2%	\$5,361.37	12.7%	\$5,361.37	12.7%	\$5,361.37	12.7%	\$5,361.37	12.7%						\$42,215.54
D15	116	42 x 62	Asphalt	\$727.85	\$45,592.79	54.0%	\$9,709.57	11.5%	\$9,709.57	11.5%	\$9,709.57	11.5%	\$9,709.57	11.5%						\$84,431.08
D16	24	18 x 52	Asphalt	\$261.63	\$1,456.73	23.2%	\$1,205.57	19.2%	\$1,205.57	19.2%	\$1,205.57	19.2%	\$1,205.57	19.2%						\$6,279.00
TOTAL					\$233,016.82		\$91,880.24		\$103,383.00		\$103,383.00		\$103,383.00							\$635,046.05



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FORM B

VISION JOB # **15-646**
ELECTRIC PG&E PM # **74004302**
NOTIFICATION # **111471274**
Project Name: **Middlefield**
Project Location: **San Mateo County/Redwood City**

Applicant: County of San Mateo
Address: 555 County Center 5th Floor
Redwood City, CA 94063
Contact: 650-363-4100

Form B Date: **6/1/2020**
Vizion Plans Date: **4/24/2020**
Author: **M. Webb**
Tentative Trench Date:

PG&E TO TRENCH

APPLICANT TO TRENCH

AT&T OR OTHER AGENCY TO TRENCH

Trench Section	Length (ft)	W x D (in)	Surface	Unit Cost	Electric		AT&T		Comcast		Wave B.B.		C.L.E.C.		Verizon		TOTAL	
					\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$	
D17	93	30 x 65	Asphalt	\$545.05	\$26,054.58	51.4%	\$8,211.75	16.2%	\$8,211.75	16.2%	\$8,211.75	16.2%						\$50,689.84
D18	230	36 x 60	Asphalt	\$603.75	\$59,988.60	43.2%	\$22,218.00	16.0%	\$18,885.30	13.6%	\$18,885.30	13.6%	\$18,885.30	13.6%				\$138,862.50
D19	67	42 x 62	Asphalt	\$727.85	\$22,968.89	47.1%	\$7,217.40	14.8%	\$6,193.31	12.7%	\$6,193.31	12.7%	\$6,193.31	12.7%				\$48,766.23
D20	95	24 x 60	Asphalt	\$402.50	\$14,989.10	39.2%	\$5,812.10	15.2%	\$5,812.10	15.2%	\$5,812.10	15.2%	\$5,812.10	15.2%				\$38,237.50
D21	35	30 x 58	Asphalt	\$486.35	\$3,813.02	22.4%	\$3,710.88	21.8%	\$3,166.17	18.6%	\$3,166.17	18.6%	\$3,166.17	18.6%				\$17,022.40
D22	16	30 x 60	Asphalt	\$503.13	\$4,161.85	51.7%			\$1,296.05	16.1%	\$1,296.05	16.1%	\$1,296.05	16.1%				\$8,050.00
D23	67	30 x 63	Asphalt	\$528.28	\$19,891.90	56.2%			\$5,167.65	14.6%	\$5,167.65	14.6%	\$5,167.65	14.6%				\$35,394.84
D24	431	24 x 56	Asphalt	\$375.67	\$31,572.91	19.5%	\$26,067.89	16.1%	\$26,067.89	16.1%	\$26,067.89	16.1%	\$26,067.89	16.1%	\$26,067.89	16.1%		\$161,912.33
D25	198	36 x 64	Asphalt	\$644.00	\$35,065.80	27.5%	\$18,489.24	14.5%	\$18,489.24	14.5%	\$18,489.24	14.5%	\$18,489.24	14.5%	\$18,489.24	14.5%		\$127,512.00
D26	14	30 x 60	Asphalt	\$503.13	\$1,584.84	22.5%	\$1,310.14	18.6%	\$1,310.14	18.6%	\$1,310.14	18.6%	\$1,528.49	21.7%				\$7,043.75
D28	32	30 x 58	Asphalt	\$486.35	\$4,684.56	30.1%	\$2,583.51	16.6%	\$2,583.51	16.6%	\$3,128.23	20.1%	\$2,583.51	16.6%				\$15,563.33
D29	63	42 x 63	Asphalt	\$739.59	\$17,938.85	38.5%	\$5,731.11	12.3%	\$5,731.11	12.3%	\$5,731.11	12.3%	\$5,731.11	12.3%	\$5,731.11	12.3%		\$46,594.41
D30	32	30 x 58	Asphalt	\$486.35	\$3,610.69	23.2%	\$2,988.16	19.2%	\$2,988.16	19.2%	\$2,988.16	19.2%	\$2,988.16	19.2%				\$15,563.33
D31	83	24 x 55	Asphalt	\$368.96	\$13,321.24	43.5%	\$3,460.46	11.3%	\$3,460.46	11.3%	\$3,460.46	11.3%	\$3,460.46	11.3%	\$3,460.46	11.3%		\$30,623.54
D32	135	30 x 60	Asphalt	\$503.13	\$19,969.03	29.4%	\$12,973.08	19.1%	\$11,003.34	16.2%	\$11,003.34	16.2%	\$12,973.08	19.1%				\$67,921.88
D33	67	30 x 60	Asphalt	\$503.13	\$7,348.64	21.8%	\$7,112.68	21.1%	\$6,067.69	18.0%	\$6,067.69	18.0%	\$7,112.68	21.1%				\$33,709.38
D34	72	30 x 54	Asphalt	\$452.81	\$14,997.15	46.0%			\$5,868.45	18.0%	\$5,868.45	18.0%	\$5,868.45	18.0%				\$32,602.50
TOTAL					\$301,961.66		\$127,886.40		\$132,302.32		\$132,847.04		\$127,323.65		\$53,748.70		\$876,069.76	



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Project Name: **Middlefield**
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Form B Date: **6/1/2020**
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PG&E TO TRENCH

APPLICANT TO TRENCH

AT&T OR OTHER AGENCY TO TRENCH

Trench Section	Length (ft)	W (in)	x D (in)	Surface	Unit Cost	Electric		AT&T		Comcast		Wave B.B.		C.L.E.C.		Verizon		SL		TOTAL
						\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$
D35	203	24	x 58	Asphalt	\$389.08			\$52,129.39	66.0%	\$26,854.53	34.0%									\$78,983.92
D36	40	36	x 70	Asphalt	\$704.38	\$13,354.95	47.4%	\$3,352.83	11.9%	\$2,873.85	10.2%	\$2,873.85	10.2%	\$2,873.85	10.2%	\$2,845.68	10.1%			\$28,175.00
D37	60	36	x 65	Asphalt	\$654.06	\$19,307.93	49.2%	\$4,983.96	12.7%	\$4,983.96	12.7%	\$4,983.96	12.7%	\$4,983.96	12.7%					\$39,243.75
D38	21	24	x 58	Asphalt	\$389.08	\$2,189.76	26.8%	\$1,201.10	14.7%	\$1,192.93	14.6%	\$1,192.93	14.6%	\$1,201.10	14.7%	\$1,192.93	14.6%			\$8,170.75
D39	36	18	x 58	Asphalt	\$291.81	\$3,004.50	28.6%			\$2,500.25	23.8%	\$2,500.25	23.8%	\$2,500.25	23.8%					\$10,505.25
D40	33	24	x 53	Asphalt	\$355.54	\$2,722.03	23.2%	\$2,252.71	19.2%	\$2,252.71	19.2%	\$2,252.71	19.2%	\$2,252.71	19.2%					\$11,732.88
D41	10	36	x 70	Asphalt	\$704.38	\$2,521.66	35.8%	\$1,218.57	17.3%	\$1,042.48	14.8%	\$1,042.48	14.8%	\$1,218.57	17.3%					\$7,043.75
D42	55	36	x 65	Asphalt	\$654.06	\$16,008.18	44.5%			\$6,655.09	18.5%	\$6,655.09	18.5%	\$6,655.09	18.5%					\$35,973.44
D43	42	36	x 64	Asphalt	\$644.00			\$10,819.20	40.0%			\$8,384.88	31.0%	\$7,843.92	29.0%					\$27,048.00
D44	66	36	x 65	Asphalt	\$654.06	\$22,620.10	52.4%	\$5,137.01	11.9%	\$5,137.01	11.9%	\$5,137.01	11.9%	\$5,137.01	11.9%					\$43,168.13
D45	23	42	x 55	Asphalt	\$645.68	\$8,553.93	57.6%	\$1,574.16	10.6%	\$1,574.16	10.6%	\$1,574.16	10.6%	\$1,574.16	10.6%					\$14,850.57
D46	17	30	x 65	Asphalt	\$545.05	\$4,734.87	51.1%			\$1,510.34	16.3%	\$1,510.34	16.3%	\$1,510.34	16.3%					\$9,265.89
D48	25	30	x 58	Asphalt	\$486.35	\$2,504.72	20.6%	\$2,431.77	20.0%	\$2,091.32	17.2%	\$2,091.32	17.2%					\$960.55	7.9%	\$12,158.85
D49	36	24	x 58	Asphalt	\$389.08	\$2,969.48	21.2%	\$2,479.24	17.7%	\$2,465.23	17.6%	\$2,465.23	17.6%	\$2,479.24	17.7%			\$1,148.57	8.2%	\$14,007.00
D50	18	18	x 58	Asphalt	\$291.81	\$1,355.18	25.8%			\$1,124.06	21.4%	\$1,124.06	21.4%	\$1,129.31	21.5%			\$520.01	9.9%	\$5,252.63
D51	60	42	x 63	Asphalt	\$739.59	\$25,560.36	57.6%	\$4,703.82	10.6%	\$4,703.82	10.6%	\$4,703.82	10.6%	\$4,703.82	10.6%					\$44,375.63
D52	31	42	x 63	Asphalt	\$739.59	\$13,206.19	57.6%	\$2,430.31	10.6%	\$2,430.31	10.6%	\$2,430.31	10.6%	\$2,430.31	10.6%					\$22,927.41
D53	31	42	x 54	Asphalt	\$633.94	\$12,695.23	64.6%			\$2,318.94	11.8%	\$2,318.94	11.8%	\$2,318.94	11.8%					\$19,652.06
D54	28	24	x 62	Asphalt	\$415.92	\$5,729.67	49.2%	\$1,479.00	12.7%	\$1,479.00	12.7%	\$1,479.00	12.7%	\$1,479.00	12.7%					\$11,645.67
D55	46	30	x 53	Asphalt	\$444.43	\$8,831.66	43.2%	\$2,903.00	14.2%	\$2,903.00	14.2%	\$2,903.00	14.2%	\$2,903.00	14.2%					\$20,443.65
D56	19	30	x 55	Asphalt	\$461.20	\$4,530.35	51.7%	\$1,410.80	16.1%	\$1,410.80	16.1%	\$1,410.80	16.1%	\$1,410.80	16.1%					\$8,762.76
D57	17	30	x 61	Asphalt	\$511.51	\$4,808.71	55.3%	\$1,295.66	14.9%	\$1,295.66	14.9%	\$1,295.66	14.9%	\$1,295.66	14.9%					\$8,695.68
D58	39	36	x 65	Asphalt	\$654.06	\$14,106.17	55.3%			\$3,800.76	14.9%	\$3,800.76	14.9%	\$3,800.76	14.9%					\$25,508.44
D59	74	18	x 56	Asphalt	\$281.75	\$4,837.08	23.2%	\$4,003.10	19.2%	\$4,003.10	19.2%	\$4,003.10	19.2%	\$4,003.10	19.2%					\$20,849.50
D60	64	30	x 64	Asphalt	\$536.67	\$25,416.53	74.0%	\$4,465.07	13.0%	\$4,465.07	13.0%									\$34,346.67
D61	17	36	x 60	Asphalt	\$603.75	\$5,768.23	56.2%	\$1,498.51	14.6%	\$1,498.51	14.6%	\$1,498.51	14.6%							\$10,263.75
D63	7	24	x 58	Asphalt	\$389.08	\$2,015.45	74.0%	\$354.07	13.0%	\$354.07	13.0%									\$2,723.58
D64	39	42	x 54	Asphalt	\$633.94	\$12,361.78	50.0%	\$5,439.18	22.0%	\$3,461.30	14.0%	\$3,461.30	14.0%							\$24,723.56
D65	7	24	x 57	Asphalt	\$382.38	\$1,980.70	74.0%	\$347.96	13.0%	\$347.96	13.0%									\$2,676.63
D66	32	30	x 56	Asphalt	\$469.58	\$11,119.73	74.0%	\$1,953.47	13.0%	\$1,953.47	13.0%									\$15,026.67
F	62	24	x 59	Asphalt	\$395.79	\$9,619.32	39.2%	\$3,729.94	15.2%	\$3,729.94	15.2%	\$3,729.94	15.2%	\$3,729.94	15.2%					\$24,539.08
D67	32	42	x 63	Asphalt	\$739.59	\$13,632.19	57.6%	\$2,508.70	10.6%	\$2,508.70	10.6%	\$2,508.70	10.6%	\$2,508.70	10.6%					\$23,667.00
D68	26	30	x 60	Asphalt	\$503.13	\$6,815.33	52.1%	\$2,276.14	17.4%	\$1,255.80	9.6%	\$1,255.80	9.6%	\$1,478.18	11.3%					\$13,081.25
D69	64	18	x 53	Asphalt	\$266.66	\$5,802.44	34.0%	\$5,631.78	33.0%	\$5,631.78	33.0%									\$17,066.00
TOTAL						\$290,684.41		\$134,010.42		\$111,809.89		\$77,869.28		\$75,513.03		\$4,038.60		\$2,629.13		\$696,554.76



7901 Stoneridge Drive, Suite 200, Pleasanton, CA 94588
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FORM B

VIZION JOB# **15-646**
ELECTRIC PG&E PM # **74004302**
NOTIFICATION # **111471274**
Project Name: **Middlefield**
Project Location: **San Mateo County/Redwood City**

Applicant: County of San Mateo
Address: 555 County Center 5th Floor
Redwood City, CA 94063
Contact:
650-363-4100

Form B Date: **6/1/2020**
Vizion Plans Date: **4/24/2020**
Author: **M. Webb**

Tentative Trench Date:

PG&E TO TRENCH

APPLICANT TO TRENCH

AT&T OR OTHER AGENCY TO TRENCH

Trench Section	Length (ft)	W x D (in)	Surface	Unit Cost	Electric		AT&T		Comcast		Wave B.B.		C.L.E.C.		Verizon		SL		TOTAL
					\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	
F1	57	42 x 54	Asphalt	\$633.94	\$25,980.66	71.9%	\$10,153.78	28.1%											\$36,134.44
F2	11	42 x 54	Asphalt	\$633.94	\$5,522.86	79.2%	\$1,450.45	20.8%											\$6,973.31
F5	25	30 x 59	Asphalt	\$494.74	\$4,836.08	39.1%	\$1,892.38	15.3%	\$1,880.01	15.2%	\$1,880.01	15.2%	\$1,880.01	15.2%					\$12,368.49
F6	51	18 x 52	Asphalt	\$261.63	\$7,285.21	54.6%			\$6,057.67	45.4%									\$13,342.88
F7	58	12 x 52	Asphalt	\$174.42	\$5,533.54	54.7%							\$4,582.62	45.3%					\$10,116.17
G	181	36 x 59	Asphalt	\$593.69	\$2,546.69	48.9%	\$13,754.55	12.8%	\$13,647.09	12.7%	\$13,754.55	12.8%	\$13,754.55	12.8%					\$107,457.44
G1	28	24 x 50	Asphalt	\$335.42	\$3,531.27	37.6%	\$1,465.10	15.6%	\$1,465.10	15.6%	\$1,465.10	15.6%			\$1,465.10	15.6%			\$9,391.67
G2	45	24 x 56	Asphalt	\$375.67	\$3,296.48	19.5%	\$2,721.71	16.1%	\$2,721.71	16.1%	\$2,721.71	16.1%	\$2,721.71	16.1%	\$2,721.71	16.1%			\$16,905.00
G3	59	30 x 58	Asphalt	\$486.35	\$20,287.29	70.7%									\$8,407.60	29.3%			\$28,694.90
G4	30	12 x 50	Asphalt	\$167.71	\$2,747.06	54.6%									\$2,284.19	45.4%			\$5,031.25
G7	56	30 x 60	Asphalt	\$503.13	\$22,399.13	79.5%			\$5,775.88	20.5%									\$28,175.00
H	130	12 x 43	Asphalt	\$144.23	\$18,749.79	100.0%													\$18,749.79
H1	106	18 x 43	Asphalt	\$216.34	\$22,932.44	100.0%													\$22,932.44
H2	49	30 x 43	Asphalt	\$360.57	\$17,668.07	100.0%													\$17,668.07
H3	113	18 x 41	Asphalt	\$206.28	\$23,309.78	100.0%													\$23,309.78
H5	122	30 x 43	Asphalt	\$360.57	\$43,989.90	100.0%													\$43,989.90
TOTAL					\$280,616.24		\$31,437.96		\$31,547.45		\$19,821.37		\$22,938.89		\$14,878.60				\$401,240.51



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FORM B

VIZION JOB# **15-646**
ELECTRIC PG&E PM # **74004302**
NOTIFICATION # **111471274**
Project Name: **Middlefield**
Project Location: **San Mateo County/Redwood City**

Applicant: County of San Mateo
Address: 555 County Center 5th Floor
Redwood City, CA 94063
Contact: 650-363-4100

Form B Date: **6/1/2020**
Vizion Plans Date: **4/24/2020**
Author: **M. Webb**

Tentative Trench Date:

PG&E TO TRENCH

APPLICANT TO TRENCH

AT&T OR OTHER AGENCY TO TRENCH

Trench Section	Length (ft)	W x D (in)	Surface	Unit Cost	Electric		AT&T		Comcast		Wave B.B.		C.I.E.C.		Verizon		SL		TOTAL	
					\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$	
H6	362	12 x 41	Asphalt	\$137.52	\$49,782.54	100.0%													\$49,782.54	
H7	50	30 x 41	Asphalt	\$343.80	\$17,190.10	100.0%													\$17,190.10	
H8	41	24 x 49	Asphalt	\$328.71	\$13,477.04	100.0%													\$13,477.04	
H9	67	18 x 48	Asphalt	\$241.50	\$16,180.50	100.0%													\$16,180.50	
H10	111	18 x 43	Asphalt	\$216.34	\$24,014.16	100.0%													\$24,014.16	
H11	605	18 x 37	Asphalt	\$186.16	\$112,624.53	100.0%													\$112,624.53	
H12	94	30 x 53	Asphalt	\$444.43	\$41,776.15	100.0%													\$41,776.15	
H13	17	24 x 47	Asphalt	\$315.29	\$5,359.96	100.0%													\$5,359.96	
H14	31	24 x 42	Asphalt	\$281.75	\$8,734.25	100.0%													\$8,734.25	
H15	129	24 x 53	Asphalt	\$355.54	\$45,864.88	100.0%													\$45,864.88	
H16	47	30 x 53	Asphalt	\$444.43	\$20,888.07	100.0%													\$20,888.07	
H17	16	24 x 51	Asphalt	\$342.13	\$5,474.00	100.0%													\$5,474.00	
H19	39	30 x 53	Asphalt	\$444.43	\$17,332.66	100.0%													\$17,332.66	
L	132	18 x 41	Asphalt	\$206.28			\$5,445.83	20.0%	\$5,445.83	20.0%	\$5,445.83	20.0%	\$5,445.83	20.0%				\$5,445.83	20.0%	\$27,229.13
L1	201	18 x 36	Asphalt	\$181.13			\$7,281.23	20.0%	\$7,281.23	20.0%	\$7,281.23	20.0%	\$7,281.23	20.0%				\$7,281.23	20.0%	\$36,406.13
L2	136	18 x 41	Asphalt	\$206.28			\$7,013.56	25.0%			\$7,013.56	25.0%	\$7,013.56	25.0%	\$7,013.56	25.0%			\$28,054.25	
L3	69	12 x 50	Asphalt	\$167.71			\$7,903.59	68.3%									\$3,668.28	31.7%	\$11,571.88	
L5	184	12 x 36	Asphalt	\$120.75			\$5,554.50	25.0%	\$5,554.50	25.0%	\$5,554.50	25.0%	\$5,554.50	25.0%					\$22,218.00	
L6	326	18 x 41	Asphalt	\$206.28			\$16,811.92	25.0%	\$16,811.92	25.0%	\$16,811.92	25.0%	\$16,811.92	25.0%					\$67,247.69	
L7	137	18 x 35	Asphalt	\$176.09			\$7,961.20	33.0%	\$7,961.20	33.0%	\$8,202.45	34.0%							\$24,124.84	
L8	38	18 x 29	Asphalt	\$145.91						\$2,772.22	50.0%	\$2,772.22	50.0%						\$5,544.44	
TOTAL					\$378,698.83		\$50,010.63		\$43,054.67		\$52,840.45		\$53,081.70		\$7,013.56		\$16,395.33		\$601,095.18	



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FORM B

VIZION JOB# **15-646**
ELECTRIC PG&E PM # **74004302**
NOTIFICATION # **111471274**
Project Name: **Middlefield**
Project Location: **San Mateo County/Redwood City**

Applicant: County of San Mateo
Address: 555 County Center 5th Floor
Redwood City, CA 94063
Contact: 650-363-4100

Form B Date: **6/1/2020**
Vizion Plans Date: **4/24/2020**
Author: **M. Webb**

Tentative Trench Date:

PG&E TO TRENCH

APPLICANT TO TRENCH

AT&T OR OTHER AGENCY TO TRENCH

Trench Section	Length (ft)	W x D (in)	Surface	Unit Cost	Electric		AT&T		Comcast		Wave B.B.		C.L.E.C.		Verizon		SL		TOTAL
					\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$
L9	176	12 x 33	Asphalt	\$110.69					\$6,428.73	33.0%	\$6,428.73	33.0%	\$6,623.54	34.0%					\$19,481.00
L10	54	18 x 35	Asphalt	\$176.09					\$3,137.99	33.0%	\$3,137.99	33.0%	\$3,233.08	34.0%	\$3,137.99	33.0%			\$9,509.06
L11	46	24 x 39	Asphalt	\$261.63			\$3,008.69	25.0%	\$3,008.69	25.0%	\$3,008.69	25.0%	\$3,008.69	25.0%					\$12,034.75
L12	173	18 x 51	Asphalt	\$256.59			\$11,097.68	25.0%	\$11,097.68	25.0%	\$11,097.68	25.0%	\$11,097.68	25.0%					\$44,390.72
L13	73	12 x 38	Asphalt	\$127.46			\$2,326.11	25.0%	\$2,326.11	25.0%	\$2,326.11	25.0%	\$2,326.11	25.0%					\$9,304.46
L14	18	18 x 39	Asphalt	\$196.22			\$882.98	25.0%	\$882.98	25.0%	\$882.98	25.0%	\$882.98	25.0%					\$3,531.94
L15	164	12 x 37	Asphalt	\$124.10			\$5,088.27	25.0%	\$5,088.27	25.0%	\$5,088.27	25.0%	\$5,088.27	25.0%					\$20,353.08
P	801	12 x 54	Asphalt	\$181.13	\$29,016.23	20.0%	\$29,016.23	20.0%	\$29,016.23	20.0%	\$29,016.23	20.0%	\$29,016.23	20.0%					\$145,081.13
P1	13	18 x 54	Asphalt	\$271.69	\$706.39	20.0%	\$706.39	20.0%	\$706.39	20.0%	\$706.39	20.0%	\$706.39	20.0%					\$3,531.94
P2	61	12 x 56	Asphalt	\$187.83	\$2,291.57	20.0%	\$2,291.57	20.0%	\$2,291.57	20.0%	\$2,291.57	20.0%	\$2,291.57	20.0%					\$11,457.83
P3	82	24 x 52	Asphalt	\$348.83	\$5,720.87	20.0%	\$5,720.87	20.0%	\$5,720.87	20.0%	\$5,720.87	20.0%	\$5,720.87	20.0%					\$28,604.33
P4	83	24 x 58	Asphalt	\$389.08	\$6,458.78	20.0%	\$6,458.78	20.0%	\$6,458.78	20.0%	\$6,458.78	20.0%	\$6,458.78	20.0%					\$32,293.92
P5	139	12 x 50	Asphalt	\$167.71					\$9,441.14	40.5%	\$9,441.14	40.5%	\$9,441.14	40.5%	\$4,429.18	19.0%			\$23,311.46
P6	40	12 x 55	Asphalt	\$184.48			\$1,844.79	25.0%	\$1,844.79	25.0%	\$1,844.79	25.0%	\$1,844.79	25.0%					\$7,379.17
P7	39	18 x 51	Asphalt	\$256.59	\$4,363.12	43.6%			\$2,822.02	28.2%	\$2,822.02	28.2%	\$2,822.02	28.2%					\$10,007.16
P8	17	18 x 53	Asphalt	\$266.66	\$1,269.28	28.0%	\$815.97	18.0%	\$815.97	18.0%	\$815.97	18.0%	\$815.97	18.0%					\$4,533.16
P9	22	18 x 56	Asphalt	\$281.75	\$1,735.58	28.0%	\$1,115.73	18.0%	\$1,115.73	18.0%	\$1,115.73	18.0%	\$1,115.73	18.0%					\$6,198.50
P10	25	18 x 49	Asphalt	\$246.53	\$1,725.72	28.0%	\$1,109.39	18.0%	\$1,109.39	18.0%	\$1,109.39	18.0%	\$1,109.39	18.0%					\$6,163.28
P11	81	18 x 58	Asphalt	\$291.81	\$6,618.31	28.0%	\$4,254.63	18.0%	\$4,254.63	18.0%	\$4,254.63	18.0%	\$4,254.63	18.0%					\$23,636.81
P12	102	12 x 51	Asphalt	\$171.06	\$4,885.55	28.0%	\$3,140.71	18.0%	\$3,140.71	18.0%	\$3,140.71	18.0%	\$3,140.71	18.0%					\$17,448.38
P14	82	18 x 52	Asphalt	\$261.63	\$7,358.46	34.3%			\$4,698.26	21.9%	\$4,698.26	21.9%	\$4,698.26	21.9%					\$21,453.25
TOTAL					\$72,149.85		\$78,878.78		\$90,005.77		\$105,406.92		\$105,696.82		\$3,137.99		\$4,429.18		\$459,705.31



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FORM B

VIZION JOB# **15-646**
ELECTRIC PG&E PM # **74004302**
NOTIFICATION # **111471274**
Project Name: **Middlefield**
Project Location: **San Mateo County/Redwood City**

Applicant: County of San Mateo
Address: 555 County Center 5th Floor
Redwood City, CA 94063
Contact: 650-363-4100

Form B Date: **6/1/2020**
Vizion Plans Date: **4/24/2020**
Author: **M. Webb**

Tentative Trench Date:

PG&E TO TRENCH

APPLICANT TO TRENCH

AT&T OR OTHER AGENCY TO TRENCH

Trench Section	Length (ft)	W x D (in)	Surface	Unit Cost	Electric		AT&T		Comcast		Wave B.B.		C.L.E.C.		Verizon		SL		TOTAL
					\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$
P15	338	12 x 52	Asphalt	\$174.42					\$23,934.85	40.6%	\$23,934.85	40.6%					\$11,083.13	18.8%	\$58,952.83
P17	40	18 x 53	Asphalt	\$266.66	\$2,474.57	23.2%	\$2,047.92	19.2%	\$2,047.92	19.2%	\$2,047.92	19.2%	\$2,047.92	19.2%					\$10,666.25
P18	351	12 x 54	Asphalt	\$181.13	\$12,714.98	20.0%	\$12,714.98	20.0%	\$12,714.98	20.0%	\$12,714.98	20.0%	\$12,714.98	20.0%					\$63,574.88
P19	50	18 x 52	Asphalt	\$261.63	\$3,741.24	28.6%	\$3,113.34	23.8%	\$3,113.34	23.8%	\$3,113.34	23.8%							\$13,081.25
P20	83	18 x 57	Asphalt	\$286.78	\$7,426.49	31.2%	\$4,094.09	17.2%	\$4,094.09	17.2%	\$4,094.09	17.2%	\$4,094.09	17.2%					\$23,802.84
P21	7	12 x 52	Asphalt	\$174.42	\$244.18	20.0%	\$244.18	20.0%	\$244.18	20.0%	\$244.18	20.0%	\$244.18	20.0%					\$1,220.92
P22	55	18 x 53	Asphalt	\$266.66	\$4,634.49	31.6%	\$2,507.90	17.1%	\$2,507.90	17.1%	\$2,507.90	17.1%	\$2,507.90	17.1%					\$14,666.09
P23	72	12 x 52	Asphalt	\$174.42	\$2,185.09	17.4%	\$2,185.09	17.4%	\$2,185.09	17.4%	\$2,185.09	17.4%	\$2,185.09	17.4%			\$1,632.54	13.0%	\$12,558.00
P24	12	12 x 30	Asphalt	\$100.63	\$217.35	18.0%	\$210.11	17.4%	\$210.11	17.4%	\$210.11	17.4%	\$210.11	17.4%			\$152.15	12.6%	\$1,207.50
R	12	24 x 49	Asphalt	\$328.71	\$1,972.25	50.0%			\$1,972.25	50.0%									\$3,944.50
R1	34	18 x 50	Asphalt	\$251.56	\$2,882.40	33.7%	\$4,327.88	50.6%									\$1,342.84	15.7%	\$8,553.13
S	26	12 x 49	Asphalt	\$164.35	\$2,136.60	50.0%	\$2,136.60	50.0%											\$4,273.21
S1	45	12 x 49	Asphalt	\$164.35	\$3,697.97	50.0%			\$3,697.97	50.0%									\$7,395.94
U	208	18 x 41	Asphalt	\$206.28			\$42,906.50	100.0%											\$42,906.50
U1	130	12 x 50	Asphalt	\$167.71			\$21,802.08	100.0%											\$21,802.08
U2	48	24 x 52	Asphalt	\$348.83								\$16,744.00	100.0%						\$16,744.00
U3	178	24 x 58	Asphalt	\$389.08			\$69,256.83	100.0%											\$69,256.83
U4	32	12 x 50	Asphalt	\$167.71			\$5,366.67	100.0%											\$5,366.67
U5	36	18 x 50	Asphalt	\$251.56			\$6,484.28	71.6%								\$2,571.98	28.4%	\$9,056.25	
U6	59	18 x 51	Asphalt	\$256.59			\$15,139.03	100.0%											\$15,139.03
U7	94	18 x 53	Asphalt	\$266.66			\$25,065.69	100.0%											\$25,065.69
V	261	18 x 56	Asphalt	\$281.75					\$73,536.75	100.0%									\$73,536.75
V1	72	18 x 36	Asphalt	\$181.13			\$8,737.47	67.0%	\$4,303.53	33.0%									\$13,041.00
V2	32	18 x 58	Asphalt	\$291.81								\$9,338.00	100.0%						\$9,338.00
V3	55	12 x 51	Asphalt	\$171.06			\$3,010.70	32.0%			\$3,198.87	34.0%	\$3,198.87	\$0.34					\$9,408.44
W	1380	6 x 35	Asphalt	\$58.70													\$81,003.13	100.0%	\$81,003.13
W1	920	12 x 35	Asphalt	\$117.40	\$108,004.17	100.0%													\$108,004.17
TOTAL					\$152,331.77		\$231,351.34		\$134,562.95		\$54,251.32		\$53,285.14				\$97,785.76		\$723,565.86



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FORM B

VIZION JOB# **15-646**
ELECTRIC PG&E PM # **74004302**
NOTIFICATION # **111471274**
Project Name: **Middlefield**
Project Location: **San Mateo County/Redwood City**

Applicant: County of San Mateo
Address: 555 County Center 5th Floor
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Form B Date: **6/1/2020**
Vizion Plans Date: **4/24/2020**
Author: **M. Webb**

Tentative Trench Date:

PG&E TO TRENCH

APPLICANT TO TRENCH

AT&T OR OTHER AGENCY TO TRENCH

Trench Section	Length (ft)	W (in)	x	D (in)	Surface	Unit Cost	Electric		AT&T		Comcast		Wave B.B.		C.I.E.C.		Verizon		SL		TOTAL		
							\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$		
W2	38	18	x	35	Asphalt	\$176.09	\$6,691.56	100.0%														\$6,691.56	
W3	37	18	x	49	Asphalt	\$246.53	\$6,631.44	72.7%													\$2,490.21	27.3%	\$9,121.66
W4	25	18	x	41	Asphalt	\$206.28	\$3,522.25	68.3%													\$1,634.78	31.7%	\$5,157.03
W5	144	12	x	51	Asphalt	\$171.06	\$16,824.34	68.3%													\$7,808.66	31.7%	\$24,633.00
W6	24	12	x	34	Asphalt	\$114.04	\$2,737.00	100.0%															\$2,737.00
W7	6	12	x	33	Asphalt	\$110.69	\$664.13	100.0%															\$664.13
W8	5	12	x	36	Asphalt	\$120.75	\$603.75	100.0%															\$603.75
W9	28	24	x	34	Asphalt	\$228.08	\$6,386.33	100.0%															\$6,386.33
W10	10	18	x	35	Asphalt	\$176.09	\$1,760.94	100.0%															\$1,760.94
W11	333	18	x	39	Asphalt	\$196.22	\$65,340.84	100.0%															\$65,340.84
W12	14	12	x	35	Asphalt	\$117.40	\$1,643.54	100.0%															\$1,643.54
W13	20	12	x	35	Asphalt	\$117.40	\$2,347.92	100.0%															\$2,347.92
TOTAL							\$115,154.05														\$11,933.65	\$127,087.70	



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APPLICANT TO TRENCH

AT&T OR OTHER AGENCY TO TRENCH

The cost estimates below are the total cost of jack and bore for each respective trench section that is RR crossing. The unit cost is comprised of the following: casing, mobilization, demobilization, vertical trench walls, imported backfill in the pipe zone, soil hauling to a local disposal site, temporary traffic pavement, and minor dewatering

Trench Section	Length (ft)	Casing Dia (in)	Unit Cost (\$/LF)	Electric		AT&T		Comcast		Wave B.B.		C.I.E.C.		Verizon		SL		TOTAL \$	
				\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%		
H16	160	36	\$633.45	\$101,352.00	100.0%													\$101,352.00	
V3	160	24	\$571.65			\$29,268.48	32.0%			\$31,097.76	34.0%	\$31,097.76	34.0%					\$91,464.00	
W	160	24	\$571.65														\$91,464.00	100.0%	\$91,464.00
U7	90	18	\$457.32			\$41,158.80	100.0%											\$41,158.80	
V	90	12	\$383.16					\$34,484.40	100.0%									\$34,484.40	
H6	90	10	\$358.44	\$32,259.60	100.0%													\$32,259.60	
TOTAL				\$133,611.60		\$70,427.28		\$34,484.40		\$31,097.76		\$31,097.76					\$91,464.00	\$392,182.80	

The cost estimates below are comprised of some remaining associated costs to jack and bore. They do not reflect the reuse of material or other additional work as a result of field conditions

Category	Description	Cost		Electric		AT&T		Comcast		Wave B.B.		C.I.E.C.		Verizon		SL		
		QTY	Unit	\$/Unit	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%
Pits	Jacking Pit	2	LS	80,000.00	\$54,509.93	34.1%	\$28,732.43	18.0%	\$14,068.70	8.8%	\$12,687.05	7.9%	\$12,687.05	7.9%			\$37,314.84	23.3%
	Receiving Pit	2	LS	25,000.00	\$17,034.35	34.1%	\$8,978.88	18.0%	\$4,396.47	8.8%	\$3,964.70	7.9%	\$3,964.70	7.9%			\$11,660.89	23.3%
Middlefield Rd	Backfill and Compaction	2667	CY	7.70	\$6,996.32	34.1%	\$3,687.79	18.0%	\$1,805.71	8.8%	\$1,628.37	7.9%	\$1,628.37	7.9%			\$4,789.34	23.3%
	Dewatering	160	LF	55.00	\$2,998.05	34.1%	\$1,580.28	18.0%	\$773.78	8.8%	\$697.79	7.9%	\$697.79	7.9%			\$2,052.32	23.3%
	Traffic Control	160	LF	45.00	\$2,452.95	34.1%	\$1,292.96	18.0%	\$633.09	8.8%	\$570.92	7.9%	\$570.92	7.9%			\$1,679.17	23.3%
	Pavement Restoration	160	LF	100.00	\$5,450.99	34.1%	\$2,873.24	18.0%	\$1,406.87	8.8%	\$1,268.70	7.9%	\$1,268.70	7.9%			\$3,731.48	23.3%
	Shoring	160	LF	75.00	\$4,088.24	34.1%	\$2,154.93	18.0%	\$1,055.15	8.8%	\$951.53	7.9%	\$951.53	7.9%			\$2,798.61	23.3%
Southern Pacific R/W	Backfill and Compaction	1500	CY	7.70	\$3,934.94	34.1%	\$2,074.12	18.0%	\$1,015.58	8.8%	\$915.85	7.9%	\$915.85	7.9%			\$2,693.67	23.3%
	Dewatering	90	LS	55.00	\$1,686.40	34.1%	\$888.91	18.0%	\$435.25	8.8%	\$392.51	7.9%	\$392.51	7.9%			\$1,154.43	23.3%
	Shoring	90	LF	75.00	\$2,299.64	34.1%	\$1,212.15	18.0%	\$593.52	8.8%	\$535.23	7.9%	\$535.23	7.9%			\$1,574.22	23.3%
TOTAL				\$101,451.80		\$53,475.70		\$26,184.14		\$23,612.65		\$23,612.65					\$69,448.97	