2024 Financial Assurance Estimate Form

(with pre-plat construction)

| | P | ROJECT | INFORMATIO | DN | | | | |
|--|---------------|--|--|---------------|--|---|--------------|--|
| randview Reserve Dual Force Main | | | 6/12/2024 | | | | | |
| roject Name Ensure all work is inclu | | | Date | | | | PCD File No. | PPR2421 - |
| | | | 11 | | | | | |
| escription from each set of CDs | yuanuiy | Units | Unit Cost | | | Total | % Complete | -Plat Construction) Remaining |
| ECTION 1 - GRADING AND EROSION CONTRO | | | | | | Total | /o complete | Reinding |
| Earthwork | • | | | | | | | |
| less than 1,000; \$5,300 min | | CY | \$ 8.00 | = | \$ | - | | \$ - |
| 1,000-5,000; \$8,000 min | | CY | \$ 6.00 | = | \$ | - | | \$ - |
| 5,001-20,000; \$30,000 min | | CY | \$ 5.00 | = | \$ | - | | \$ - |
| 20,001-50,000; \$100,000 min | | CY | \$ 3.50 | = | \$ | - | | \$ - |
| 50,001-200,000; \$175,000 min | | CY | \$ 2.50 | = | \$ | - | | \$ - |
| greater than 200,000; \$500,000 min | | CY | \$ 2.00 | = | \$ | - | | \$ - |
| Permanent Erosion Control Blanket | 27.02 | SY | \$ 9.00 | = | \$ | - | | \$ - |
| Permanent Seeding (inc. noxious weed mgmnt.) & Mulching | 27.93 | AC | \$ 2,018.00 | = | \$ | 56,362.74 | | \$ 56,362. |
| Permanent Pond/BMP (provide engineer's estimate) | | EA | ć 1 172 00 | = | \$ | - | | \$ - |
| Concrete Washout Basin Inlet Protection | 12 | EA | \$ 1,172.00 \$ 217.00 | = | \$ | | | 4 - |
| | 13 2 | | | = | \$ | 2,821.00 | | \$ 2,821. |
| Rock Check Dam Safety Fence | Z | EA LF | \$ 651.00 \$ 3.00 | | \$ | 1,302.00 | | \$ 1,302. |
| • | | EA | · | | | - | | \$ - |
| Sediment Basin Sediment Trap | | EA | \$ 2,294.00 \$ 538.00 | = | \$ \$ | | | \$ - \$ - |
| Sediment Trap | 1661 | LF | \$ 538.00 | = | \$ | 4,982.10 | | \$ - 4,982. |
| Sin Ferice Slope Drain | 1001 | LF | \$ 3.00 | = | \$ | 4,982.10 | | \$ 4,982. \$ - |
| Straw Bale | | EA | \$ 33.00 | = | \$ | | | \$ - |
| Straw Wattle/Rock Sock | | LF | \$ 8.00 | = | \$ | | | \$ - |
| Surface Roughening | | AC | \$ 269.00 | - | \$ | | | \$ - |
| Temporary Erosion Control Blanket | | SY | \$ 3.00 | = | \$ | - | | \$ - |
| Temporary Seeding and Mulching | | AC | \$ 1,793.00 | _ | \$ | - | | \$ - |
| Vehicle Tracking Control | 13 | EA | \$ 3,085.00 | = | \$ | 40,105.00 | | \$ 40,105.0 |
| Venicie Hadiang Control | 15 | <u>L</u> / (| \$ 5,005.00 | = | \$ | - | | \$ - |
| [insert items not listed but part of construction plans] | | | | = | \$ | - | | \$ - |
| | NTENANCE (35% | of Const | ruction BMPs) | | \$ | 17,223.54 | | \$ 17,223.5 |
| - Subject to defect warranty financial assurance. A minimum of 20% shall | (00 / | | | | Ψ | 17,220101 | | φ 1,722010 |
| | | | | | | | | |
| e retained until final acceptance (MAXIMUM OF 80% COMPLETE | | Section | on 1 Subtotal | = | \$ | 122,796.38 | | \$ 122,796.3 |
| LLOWED) | | Sectio | on 1 Subtotal | = | \$ | 122,796.38 | | \$ 122,796.3 |
| ECTION 2 - PUBLIC IMPROVEMENTS * | | Sectio | on 1 Subtotal | = | \$ | 122,796.38 | | \$ 122,796.3 |
| LOWED) ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS | | | on 1 Subtotal | | | 122,796.38 | | · · |
| LOWED) ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control | | LS | | = | \$ | 122,796.38 | | \$ - |
| LOWED) ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) | 409 | LS Tons | \$ 37.00 | | \$ | - | | \$ - \$ - |
| LOWED) ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) | 409 | LS Tons CY | \$ 37.00 \$ 66.00 | = | \$ \$ \$ | 122,796.38 | | \$ - \$ - \$ 26,971.0 |
| LOWED) ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) | | LS Tons | \$ 37.00 | = | \$ \$ \$ \$ | 26,971.01 | | \$ - \$ - \$ 26,971.0 \$ - |
| LOWED) ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) | 409 2452 | LS Tons CY SY | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 | = | \$ \$ \$ \$ \$ | - | | \$ - \$ - \$ 26,971.0 \$ - \$ 61,297.3 |
| LOWED) ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) | | LS Tons CY SY SY SY | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 | = | \$ \$ \$ \$ \$ \$ | 26,971.01 61,297.75 | | \$ - \$ 26,971.0 \$ - \$ 61,297 \$ - |
| LLOWED) SECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) | | LS Tons CY SY SY SY SY Tons | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 | = | \$ \$ \$ \$ \$ \$ \$ \$ | 26,971.01 61,297.75 | | \$ - \$ 26,971.0 \$ - \$ 61,297.3 \$ - \$ - |
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| LOWED) ECTION 2 - PUBLIC IMPROVEMENTS * DADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf) _" thick Raised Median, f This value seems low Regulatory Sign/. Guide/Street Nar based on work from all Epoxy Pavement CDs provided Barricade - Type 3 Delineator - Type 1 | 2452 | LS Tons CY SY SY Tons SF EA EA EA SF EA EA LF LF LF LF SY SY SY SY | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 11.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 38.00 \$ 39.00 \$ 30.00 \$ 30.00 | | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | - 26,971.01 - - - - - - - - - - - - - - - - - - - | | \$ |
| LOWED) ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS CONSTRUCTION TRAFIC CONTROI Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Guide/Street Nar DaSed On work from all Epoxy Pavement CDS provided Barricade - Type 3 Delineator - Type 1 Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type C (Ramp) 4" Sidewalk (common areas only) 5" Sidewalk Pedestrian Ramp Cross Pan, local (8" thick, 6' wide to include return) | 2452 | LS Tons CY SY SY SY Tons SF EA EA EA EA EA LF LF LF LF SY SY SY SY EA | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 114.00 \$ 114.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 31.00 \$ 38.00 \$ 39.00 \$ 30.00 \$ 30.0 | | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 26,971.01 - - 61,297.75 - - - - - - - - - - - - - - - - - - - | | \$ |
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| LOWED) ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf)" thick Raised Median, IThis value seems low Regulatory Sign/, Guide/Street Nar based on work from al Epoxy Pavement CDs provided Thermoplastic Pr Barricade - Type 3 Delineator - Type 1 Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type C (Ramp) 4" Sidewalk 6" Sidewalk 8" Sidewalk 8" Sidewalk 8" Sidewalk 8" Sidewalk 9" Sidewalk 9 | 2452 | LS Tons CY SY SY Tons FEA EA EA EA EA LF LF LF LF SY SY SY SY SY EA LF LF LF LF | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 114.00 \$ 114.00 \$ 392.00 \$ | | * * <t< td=""><td></td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td></t<> | | | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ |
| LOWED) ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf)" thick Raised Median, f This value seems low Regulatory Sign/ Guide/Street Nar based On work from all Epoxy Pavement CDs provided Barricade - Type 3 Delineator - Type I Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type C (Ramp) 4" Sidewalk 6" Sidewalk 6" Sidewalk 6" Sidewalk 8" Sidewalk 8" Sidewalk 9 Pedestrian Ramp Cross Pan, local (8" thick, 6' wide to include return) Curb Opening with Drainage Chase Guardrail Type 3 (W-Beam) Guardrail Type 7 (Concrete) | 2452 | LS Tons CY SY SY Tons SF EA EA EA EA EA EA LF LF LF SY SY SY SY SY EA LF LF LF EA LF LF EA | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 114.00 \$ 114.00 \$ 114.00 \$ 114.00 \$ 114.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 17.00 \$ 392.00 \$ 17.00 \$ 394.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 125.00 \$ 125.00 \$ 11,496.00 \$ 11,900 \$ 1926.00 \$ 1926.00 \$ 94.00 | | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | | | \$ |
| LOWED) ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS CONSTRUCTION Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf)" thick Raised Median, I This value seems low Regulatory Sign/. Guide/Street Nar DaSed On Work from all Barricade - Type 3 Delineator - Type I Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type C (Ramp) 4" Sidewalk 6" Sidewalk 8" Sidewalk 9 Edestrian Ramp Cross Pan, local (8" thick, 6' wide to include return) Curb Opening with Drainage Chase Guardrail Type 3 (W-Beam) Guardrail Type 7 (Concrete) Guardrail End Anchorage | 2452 | LS Tons CY SY SY SY EA EA EA EA EA LF LF LF LF SY SY SY SY SY EA LF LF LF LF LF LF LF LF LF LF EA | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 114.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 30.00 \$ 392.00 \$ 30.00 \$ 30.00 \$ 38.00 \$ 39.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 39.00 \$ 38.00 \$ 39.00 \$ | | \$ \$ <t< td=""><td>- 26,971.01 - - - - - - - - - - - - - - - - - - -</td><td></td><td>\$</td></t<> | - 26,971.01 - - - - - - - - - - - - - - - - - - - | | \$ |
| LOWED) ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS CONSTRUCTION TRAFIC CONTROL Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf)" thick Raised Median, [This value seems low Regulatory Sign/, Guide/Street Nar based on work from all Epoxy Pavement CDs provided Thermoplastic Pa Delineator - Type 3 Delineator - Type 1 Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type B (Median) Curb and Gutter, Type C (Ramp) 4" Sidewalk (common areas only) 5" Sidewalk Pedestrian Ramp Cross Pan, local (8" thick, 6' wide to include return) Curb Opening with Drainage Chase Guardrail Type 3 (W-Beam) Guardrail End Anchorage Guardrail End Anchorage Guardrail End Anchorage | 2452 | LS Tons CY SY SY SY EA EA EA EA EA LF LF LF SY SY SY SY EA LF LF LF LF LF LF LF EA LF LF EA | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 114.00 \$ 114.00 \$ 338.00 \$ 114.00 \$ 392.00 \$ 31.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 1496.00 \$ 1,926.00 \$ 94.00 \$ 2,731.00 \$ 4,902.00< | | \$ \$ <t< td=""><td>26,971.01 - - 61,297.75 - - - - - - - - - - - - - - - - - - -</td><td></td><td>\$</td></t<> | 26,971.01 - - 61,297.75 - - - - - - - - - - - - - - - - - - - | | \$ |
| LOWED) ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS CONSTRUCTION TRAFFIC CONTROI Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) CDS provided Barricade - Type 3 Delineator - Type 1 Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type C (Ramp) 4" Sidewalk Pedestrian Ramp Cross Pan, local (8" thick, 6' wide to include return) Curb Opening with Drainage Chase Guardrail Type 3 (W-Beam) Guardrail Type 7 (Concrete) Guardrail End Anchorage Guardrail Impact Attenuator Sound Barrier Fence (CMU block, 6' high) | 2452 | LS Tons CY SY SY Tons SF EA EA EA EA LF LF LF LF SY SY SY SY SY EA LF LF LF EA LF LF EA LF LF EA | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 114.00 \$ 114.00 \$ 114.00 \$ 114.00 \$ 114.00 \$ 114.00 \$ 114.00 \$ 114.00 \$ 114.00 \$ 1100 \$ 392.00 \$ 17.00 \$ 392.00 \$ 17.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 125.00 \$ 125.00 \$ 125.00 \$ 19.00 \$ 19.00 \$ 19.00 \$ 65.00 \$ 94.00 \$ 279.00 \$ 4,902.00 | | \$ \$ <t< td=""><td></td><td></td><td>\$</td></t<> | | | \$ |
| LOWED) ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS CONSTRUCTION TRAFIC CONTROI Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf)" thick Raised Median, f_This value seems low Regulatory Sign/, Guide/Street Nar based on work from all Epoxy Pavement CDs provided Thermoplastic Pa Delineator - Type 3 Delineator - Type 1 Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type C (Ramp) 4" Sidewalk (common areas only) 5" Sidewalk Pedestrian Ramp Cross Pan, local (8" thick, 6' wide to include return) Curb Opening with Drainage Chase Guardrail Type 3 (W-Beam) Guardrail Type 7 (Concrete) Guardrail End Anchorage Guardrail End Anchorage Guardrail Impact Attenuator | 2452 | LS Tons CY SY SY SY EA EA EA EA EA LF LF LF SY SY SY SY EA LF LF LF LF LF LF LF EA LF LF EA | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 114.00 \$ 114.00 \$ 338.00 \$ 114.00 \$ 392.00 \$ 31.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 1496.00 \$ 1,926.00 \$ 94.00 \$ 2,731.00 \$ 4,902.00< | | \$ \$ <t< td=""><td></td><td></td><td>\$</td></t<> | | | \$ |

| | | PROJECT I | NFORMATI | ON | | | |
|---|----------|-----------|------------------------|---------|---------------------|---------------------------|---------------------------------|
| Grandview Reserve Dual Force Main | | | 6/12/2024 | | _ | | |
| Project Name | | | Date | | | PCD File No. | |
| | | | | | | | |
| Description | Quantity | Units | Unit Cost | | Total | (with Pre-l % Complete | Plat Construction) Remaining |
| | | | | = | \$ - | | - |
| [insert items not listed but part of construction plans] | | | | = | \$- | 5 | \$ |
| STORM DRAIN IMPROVEMENTS Concrete Box Culvert (M Standard), Size (W x H) | | LF | | = | ¢ | | • |
| | 32 | | \$ 82.00 | = | \$ - \$ 2,624.00 | | 2,624.00 |
| 18" Reinforced Concrete Pipe 24" Reinforced Concrete Pipe | 16 | | \$ 98.00 | = | \$ 2,024.00 | | |
| 30" Reinforced Concrete Pipe | | LF | \$ 123.00 | = | \$ 1,506.00 | | , <i>,</i> |
| 36" Reinforced Concrete Pipe | - | LF | \$ 151.00 | = | \$ - | - | - - |
| 42" Reinforced Concrete Pipe | _ | LF | \$ 201.00 | = | \$ - | | |
| 48" Reinforced Concrete Pipe | | LF | \$ 245.00 | = | \$ - | | |
| 54" Reinforced Concrete Pipe | | | \$ 320.00 | = | \$ - | | |
| 60" Reinforced Concrete Pipe | | LA | \$ 374.00 | = | \$ - | | 5 - |
| 66" Reinforced Concrete Pipe | | LF | \$ 433.00 | = | \$ - | | 5 - |
| 72" Reinforced Concrete Pipe | | LF | \$ 495.00 | = | \$ - | | - - |
| 18" Corrugated Steel Pipe | | LF | ć 405.00 | | | 5 | , \$ - |
| 24" Corrugated Steel Pipe | | LF | <u>s</u> 2 - | 24" CIV | IP shown on | | - 5 - |
| 30" Corrugated Steel Pipe | | LF 🦯 | s plai | n | | | - |
| ^{36" Co} pote 2 op aboat C112 | | LF | \$ 101.00 | · | .Ψ. | 2 | - |
| ^{36" Co} 42" Co | | LF | \$ 212.00 | = | \$ - | 2 | - |
| ^{48" co} indicates 18" CMP, | | LF | \$ 223.00 | = | \$ - | 2 | \$ - |
| | | LF | \$ 327.00 | = | \$ - | | \$- |
| 60" Co include on FAE | | LF | \$ 353.00 | = | \$ - | | \$- |
| 66" Corrugated Steel Pipe | | LF | \$ 427.00 | = | \$ - | | \$- |
| 72" Corrugated Steel Pipe | | LF | \$ 502.00 | = | \$ - | 9 | - |
| 78" Corrugated Steel Pipe | | LF | \$ 578.00 | = | \$ - | 5 | \$ - |
| 84" Corrugated Steel Pipe | | LF | \$ 691.00 | = | \$ - | 5 | - |
| Flared End Section (FES) RCP Size = (unit cost = 6x pipe unit cost) | | = . | | = | \$ - | | |
| Flared End Section (FES) CSP Size = | | EA | | | 4 | | r |
| (unit cost = 6x pipe unit cost) | | EA | | = | \$ - | 5 | - |
| End Treatment- Headwall | | EA | | = | \$ - | | \$ - |
| End Treatment- Wingwall | | EA | | = | \$ - | 2 | - |
| End Treatment - Cutoff Wall | | EA | | = | \$ - | 2 | \$ - |
| Curb Inlet (Type R) L=5', Depth < 5' | | EA | \$ 7,212.00 | = | \$ - | 9 | - |
| Curb Inlet (Type R) L=5', 5'≤ Depth < 10' | | EA | \$ 9,377.00 | = | \$ - | 5 | \$ - |
| Curb Inlet (Type R) L =5', 10'≤ Depth < 15' | | EA | \$ 10,859.00 | = | \$ - | 2 | \$ - |
| Curb Inlet (Type R) L =10', Depth < 5' | | EA | \$ 9,925.00 | = | \$ - | 2 | \$- |
| Curb Inlet (Type R) L =10', 5'≤ Depth < 10' | | EA | \$ 10,230.00 | = | \$ - | | - |
| Curb Inlet (Type R) L =10', 10'≤ Depth < 15' | | EA | \$ 12,805.00 | = | \$ - | | - |
| Curb Inlet (Type R) L =15', Depth < 5' | | EA | \$ 12,907.00 | = | \$ - | | |
| Curb Inlet (Type R) L =15', 5'≤ Depth < 10' | | EA | \$ 13,835.00 | = | \$ - | | \$ - |
| Curb Inlet (Type R) L =15', 10'≤ Depth < 15' | | EA | \$ 15,130.00 | = | \$ - | | - |
| Curb Inlet (Type R) L =20', Depth < 5' | | EA | \$ 13,755.00 | = | \$ - | 2 | |
| Curb Inlet (Type R) L =20', 5'≤ Depth < 10' | | EA | \$ 15,181.00 | = | \$ - | | |
| Grated Inlet (Type C), Depth < 5' | | EA | \$ 6,037.00 | = | \$ - | | r |
| Grated Inlet (Type D), Depth < 5' | | EA | \$ 7,458.00 | = | \$ - | - | \$ |
| Storm Sewer Manhole, Box Base | | EA | \$ 15,130.00 | = | \$ - ¢ - | - | \$ |
| Storm Sewer Manhole, Slab Base | | EA SY | \$ 8,322.00 \$ 9.00 | = | Ψ | 2 | • |
| Geotextile (Erosion Control) Rip Rap, d50 size from 6" to 24" | | Tons | \$ 9.00 \$ 104.00 | = | \$ - \$ - | | P |
| Rip Rap, Grouted | | Tons | \$ 104.00 | = | \$ - \$ - | | • - 5 - |
| Drainage Channel Construction, Size (W x H) | | LF | γ 124.00 | = | \$ - \$ | | • |
| Drainage Channel Lining, Concrete | | CY | \$ 741.00 | = | \$ - | - | • - |
| Drainage Channel Lining, Rip Rap | | CY | \$ 145.00 | = | \$ - | | p - 5 - |
| Drainage Channel Lining, Grass | | AC | \$ 1,911.00 | = | \$ - | - | • - • - |
| Drainage Channel Lining, Other Stabilization | | ,10 | ÷ 1,511.00 | = | \$ - | | p - 5 - |
| | | | | = | \$ - | | , |
| [insert items not listed but part of construction plans] | | | | = | \$ - | - | \$ - |
| * - Subject to defect warranty financial assurance. A minimum of 20% shall | | | | _ | т | | |
| be retained until final acceptance (MAXIMUM OF 80% COMPLETE | | Sectio | n 2 Subtotal | = | \$ 92,460.80 | | \$ 92,460.76 |

| PROJECT INFORMATION | | | | | | | | | |
|-----------------------------------|--|-----------|--|--|------------------------------|--|--|--|--|
| Grandview Reserve Dual Force Main | | 6/12/2024 | | | | | | | |
| Project Name | | Date | | | PCD File No. | | | | |
| | | | | | | | | | |
| | | Unit | | | (with Pre-Plat Construction) | | | | |

| | | | | Unit | | | | (with Pro | e-Pla | t Construction) |
|---|----------------------|-----------------|--------|--------------|------------|--------|--------------|------------|-------|-----------------|
| Description | Quantity | Units | | Cost | | | Total | % Complete | | Remaining |
| SECTION 3 - COMMON DEVELOPMENT IMPRO | OVEMENTS (Pri | vate or D | istri | ict and N | IOT Main | ntaine | d by EPC)** | | | |
| ROADWAY IMPROVEMENTS | | | | | | | | | | |
| | | | | | = | \$ | - | | \$ | - |
| | | | | | = | \$ | - | | \$ | - |
| | | | | | = | \$ | - | | \$ | - |
| | | | | | = | \$ | - | | \$ | - |
| | | | | | = | \$ | - | | \$ | - |
| | | | | | = | \$ | - | | \$ | - |
| STORM DRAIN IMPROVEMENTS (Except | ion: Permanent Pon | d/BMP shall | be ite | emized und | er Section | 1) | | | | |
| | | | | | = | \$ | - | | \$ | - |
| | | | | | = | \$ | - | | \$ | - |
| | | | | | = | \$ | - | | \$ | - |
| | | | | | = | \$ | - | | \$ | - |
| | | | | | = | \$ | - | | \$ | - |
| | | | | | = | \$ | - | | \$ | - |
| WATER SYSTEM IMPROVEMENTS | | | | | | | | | | |
| Water Main Pipe (PVC), Size 8" | | LF | \$ | 84.00 | = | \$ | - | | \$ | - |
| Water Main Pipe (Ductile Iron), Size 8" | | LF | \$ | 98.00 | = | \$ | - | | \$ | - |
| Gate Valves, 8" | | EA | \$ | 2,418.00 | = | \$ | - | | \$ | - |
| Fire Hydrant Assembly, w/ all valves | | EA | \$ | 8,584.00 | = | \$ | - | | \$ | - |
| Water Service Line Installation, inc. tap and valves | | EA | \$ | 1,723.00 | = | \$ | - | | \$ | - |
| Fire Cistern Installation, complete | | EA | | | = | \$ | - | | \$ | - |
| | | | | | | | | | | |
| | | | | | = | \$ | - | | \$ | - |
| [insert items not listed but part of construction plans] | | | | | = | \$ | - | | \$ | - |
| SANITARY SEWER IMPROVEMENTS | | | | | | | | | | |
| Sewer Main Pipe (PVC), Size 8" | 17481 | LF | \$ | 84.00 | = | \$ | 1,468,404.00 | | \$ | 1,468,404.00 |
| Sanitary Sewer Manhole, Depth < 15 feet | 1 | EA | \$ | 5,708.00 | = | \$ | 5,708.00 | | \$ | 5,708.00 |
| Sanitary Service Line Installation, complete | | EA | \$ | 1,825.00 | = | \$ | - | | \$ | - |
| Sanitary Sewer Lift Station, complete | | EA | | | = | \$ | - | | \$ | - |
| Sewer Main Pipe (PVC), Size 14" | 17481 | LF | \$ | 123.00 | = | \$ | 2,150,163.00 | | \$ | 2,150,163.00 |
| IX IX | | | | | = | \$ | - | | \$ | - |
| [insert items not listed but part of construction clans] | | | | | = | \$ | - | | \$ | - |
| LANDSCAPING IMPROVEMENTS | (For subdivision spe | cific condition | n of a | approval, or | PUD) | | | | | |
| | | EA | | | = | \$ | - | | \$ | - |
| | | EA | | | = | \$ | - | | \$ | - |
| | | EA | | | = | \$ | - | | \$ | - |
| | | EA | | | = | \$ | - | | \$ | - |
| | | EA | | | = | \$ | - | | \$ | - |
| ** - Section 3 is not subject to defect warranty requirements | | Sectio | n 3 | Subtotal | = | \$ | 3,624,275.00 | | \$ | 3,624,275.00 |

Include all casing pipes needed with appropriate plan sets.

| | | DDOJECT 1 | NFORMATI | | | | |
|--|----------------------|----------------|--------------------|--------------|--------------------------------|--------------------------|-----------------------|
| Grandview Reserve Dual Force Main | | PROJECT | 6/12/2024 | | | | |
| Project Name | - | | Date | | - | PCD File No. | |
| roject Name | | | Date | | | reb me no. | |
| | | | Unit | | | (with Pre-Pla | t Construction) |
| Description | Quantity | Units | Cost | | Total | % Complete | Remaining |
| • | | • | 1 | | | • | - |
| AS-BUILT PLANS (Public Improvements inc. Permanent | WQCV BMPs) | | | = | \$- | \$ | - |
| POND/BMP CERTIFICATION (inc. elevations and volume | | LS | | = | \$ - | \$ | - |
| | | | | | | | |
| | | | | Total | Construction Finance | ial Assurance \$ | 3,839,532.18 |
| | | | (Sum of all se | | als plus as-builts and pond/ | | |
| | | | | | | | |
| | Total Remain | ing Constr | ruction Final | ncial Assu | urance (with Pre-Plat | Construction) <u></u> | 3,839,532.14 |
| | (Sum of all | section totals | less credit for i | tems comple | ete plus as-builts and pond/ | BMP certification) | |
| | | | | | | | |
| | | | | Total De | fect Warranty Financ | ial Assurance <u></u> \$ | 29,764.71 |
| | (2 | 0% of all item | ns identified as (| *). To be co | llateralized at time of prelim | inary acceptance) | |
| | | | | | | | |
| | | | | | | | |
| Approvals | | | | | | | |
| I harphy partify that this is an accurate and complete actimat | a of costs for the w | orly as shown | on the Creding | and Exercian | Control Dian and Construe | tion Drowings accorded | ad with the Droject |
| I hereby certify that this is an accurate and complete estimat | e of costs for the w | OFK as shown | on the Grading | and Erosior | Control Plan and Construc | tion Drawings associat | ted with the Project. |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Engineer (P.E. Seal Required) | | - | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Approved by Owner / Applicant | | - | Date | | | | |
| | | | | | | | |
| | | | | | | | |

Approved by El Paso County Engineer / ECM Administrator

Date

Dual Force Mains

- According to the MHFD Bid pricing data, a 15" sanitary sewer pipe was \$110/LF for a project in 2017, the following assumptions were made:
 - 14" PVC Sanitary Sewer Pipe at \$123/LF (Decreased to account for smaller pipe size and then increased to account for inflation)
- Asphalt Pavement and Aggregate Base Course:
 - Pavement thickness was assumed to be 4" thick
 - Base Course was assumed to be 6" thick based on minimum standards in El Paso County Criteria

2024 Financial Assurance Estimate Form

(with pre-plat construction)

| | P | ROJECT | INFORMATIC | DN | | | |
|---|---------------|---|---|--------|---|--------------|---|
| randview Reserve Interceptor Sewer | | | 6/12/2024 | | | | |
| roject Name | | | Date | | | PCD File No. | |
| | | | Unit | | | (with Pro | Plat Construction) |
| escription | Quantity | Units | Cost | | Total | % Complete | Remaining |
| ECTION 1 - GRADING AND EROSION CONTRO | | | | | | | |
| Earthwork | | | | | | | |
| less than 1,000; \$5,300 min | | CY | \$ 8.00 | = | \$ - | | \$- |
| 1,000-5,000; \$8,000 min | | CY | \$ 6.00 | = | \$ - | : | \$- |
| 5,001-20,000; \$30,000 min | | CY | \$ 5.00 | = | \$ - | | \$ - |
| 20,001-50,000; \$100,000 min | | CY | \$ 3.50 | = | \$ - | | \$ - |
| 50,001-200,000; \$175,000 min | | CY | \$ 2.50 | = | \$ - | | \$ - |
| greater than 200,000; \$500,000 min | | CY | \$ 2.00 | = | \$ - | | \$- |
| Permanent Erosion Control Blanket | | SY | \$ 9.00 | = | \$ - | | \$- |
| Permanent Seeding (inc. noxious weed mgmnt.) & Mulching | 18.92 | AC | \$ 2,018.00 | = | \$ 38,180.56 | - | \$ 38,180. |
| Permanent Pond/BMP (provide engineer's estimate) | | EA | | = | \$ - | - | \$ - |
| Concrete Washout Basin | | EA | \$ 1,172.00 | = | \$ - | - | , \$ - |
| Inlet Protection | | EA | \$ 217.00 | = | \$ - | | * \$- |
| Rock Check Dam | | EA | \$ 651.00 | = | \$ - | | |
| Safety Fence | | LF | \$ 3.00 | = | | - | |
| Salety Fence Sediment Basin | | EA | \$ 2,294.00 | = | Ψ | | |
| | | | | | Ψ | | |
| Sediment Trap | | EA | \$ 538.00 | = | \$ - | - | \$- + 1.007 |
| Silt Fence | 629 | LF | \$ 3.00 | = | \$ 1,887.19 | - | \$ 1,887.3 |
| Slope Drain | | LF | \$ 43.00 | | \$ - | | \$ - |
| Straw Bale | | EA | \$ 33.00 | = | \$ - | - | \$- |
| Straw Wattle/Rock Sock | | LF | \$ 8.00 | = | \$ - | - | \$- |
| Surface Roughening | | AC | \$ 269.00 | | \$ - | | \$- |
| Temporary Erosion Control Blanket | | SY | \$ 3.00 | = | \$ - | | \$- |
| Temporary Seeding and Mulching | | AC | \$ 1,793.00 | = | \$ - | | \$- |
| Vehicle Tracking Control | 4 | EA | \$ 3,085.00 | = | \$ 12,340.00 | ! | \$ 12,340.0 |
| | | | | = | \$ - | | \$ - |
| [insert items not listed but part of construction plans] | | | | = | \$ - | | \$ - |
| | | | | | | | |
| MAIN | NTENANCE (35% | of Constr | uction BMPs) | = | \$ 4,979.52 | | \$ 4,979.5 |
| | NTENANCE (35% | | - | = | \$ 4,979.52 | | \$ 4,979.5 |
| - Subject to defect warranty financial assurance. A minimum of 20% shall e retained until final acceptance (MAXIMUM OF 80% COMPLETE | ITENANCE (35% | | uction BMPs) n 1 Subtotal | = = | \$ 4,979.52 \$ 57,387.27 | | \$ 4,979.5 \$ 57,387.2 |
| - Subject to defect warranty financial assurance. A minimum of 20% shall a retained until final acceptance (MAXIMUM OF 80% COMPLETE LLOWED) | NTENANCE (35% | | - | | | | |
| - Subject to defect warranty financial assurance. A minimum of 20% shall e retained until final acceptance (MAXIMUM OF 80% COMPLETE LLOWED) SECTION 2 - PUBLIC IMPROVEMENTS * | NTENANCE (35% | | - | | | | |
| - Subject to defect warranty financial assurance. A minimum of 20% shall retained until final acceptance (MAXIMUM OF 80% COMPLETE LLOWED) ECTION 2 - PUBLIC IMPROVEMENTS * COADWAY IMPROVEMENTS | NTENANCE (35% | Sectio | - | = | \$ 57,387.27 | | \$ 57,387.2 |
| - Subject to defect warranty financial assurance. A minimum of 20% shall retained until final acceptance (MAXIMUM OF 80% COMPLETE LLOWED) SECTION 2 - PUBLIC IMPROVEMENTS * COADWAY IMPROVEMENTS Construction Traffic Control | NTENANCE (35% | Sectio | n 1 Subtotal | = | \$ 57,387.27 | | \$ 57,387.2 |
| - Subject to defect warranty financial assurance. A minimum of 20% shall retained until final acceptance (MAXIMUM OF 80% COMPLETE LLOWED) SECTION 2 - PUBLIC IMPROVEMENTS * COADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) | | Sectio LS Tons | n 1 Subtotal | = | \$ 57,387.27 \$ - \$ - | | \$ 57,387.2 \$ - |
| - Subject to defect warranty financial assurance. A minimum of 20% shall retained until final acceptance (MAXIMUM OF 80% COMPLETE LLOWED) SECTION 2 - PUBLIC IMPROVEMENTS * COADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) | NTENANCE (35% | Sectio LS Tons CY | \$ 37.00 \$ 66.00 | = | \$ 57,387.27 \$ - \$ 16,010.94 | | \$ 57,387.2 \$ \$ \$ 16,010.5 |
| - Subject to defect warranty financial assurance. A minimum of 20% shall a retained until final acceptance (MAXIMUM OF 80% COMPLETE LLOWED) SECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) | 243 | LS Tons CY SY | \$ 37.00 \$ 66.00 \$ 18.00 | = | \$ 57,387.27 \$ \$ \$ 16,010.94 \$ - | | \$ 57,387.2 \$ \$ \$ 16,010.3 \$ |
| - Subject to defect warranty financial assurance. A minimum of 20% shall a retained until final acceptance (MAXIMUM OF 80% COMPLETE LLOWED) SECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) | | LS Tons CY SY SY | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 | = | \$ 57,387.27 \$ - \$ 16,010.94 \$ - \$ 36,388.50 | | \$ 57,387.2 \$ \$ 16,010.9 \$ 36,388.5 |
| - Subject to defect warranty financial assurance. A minimum of 20% shall retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED) ECTION 2 - PUBLIC IMPROVEMENTS * COADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) | 243 | LS Tons CY SY | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 | = | \$ 57,387.27 \$ \$ \$ 16,010.94 \$ - | | \$ 57,387.2 \$ \$ 16,010.5 \$ |
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| - Subject to defect warranty financial assurance. A minimum of 20% shall retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED) ECTION 2 - PUBLIC IMPROVEMENTS * COADWAY IMPROVEMENTS CONStruction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) | 243 | LS Tons CY SY SY SY | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 | = | \$ 57,387.27 \$ - \$ 16,010.94 \$ - \$ 36,388.50 \$ - | | \$ 57,387.2 \$ - \$ 16,010.1 \$ - \$ 36,388.1 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - |
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| - Subject to defect warranty financial assurance. A minimum of 20% shall retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED) ECTION 2 - PUBLIC IMPROVEMENTS * COADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf)" thick Raised Median, Paved | 243 | LS Tons CY SY SY SY Tons SF | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 11.00 | | \$ 57,387.27 \$ - \$ - \$ 16,010.94 \$ - \$ 36,388.50 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - | | \$ 57,387.2 \$ - \$ 16,010.9 \$ 36,388.9 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - |
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| - Subject to defect warranty financial assurance. A minimum of 20% shall retained until final acceptance (MAXIMUM OF 80% COMPLETE LLOWED) SECTION 2 - PUBLIC IMPROVEMENTS * COADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf)" thick Raised Median, Paved Regulatory Sign/Advisory Sign Guide/Street Name Sign Epoxy Pavement Marking | 243 | Section LS Tons CY SY SY SY Tons SF EA EA EA SF | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 114.00 \$ 392.00 \$ 392.00 \$ 17.00 | = | \$ - \$ - \$ - \$ - \$ - \$ - \$ 36,388.50 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - | | \$ 57,387.2 \$ - \$ - \$ 16,010.9 \$ - \$ 36,388.9 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - |
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| - Subject to defect warranty financial assurance. A minimum of 20% shall retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED) SECTION 2 - PUBLIC IMPROVEMENTS * COADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf)" thick Raised Median, Paved Regulatory Sign/Advisory Sign Guide/Street Name Sign Epoxy Pavement Marking Barricade - Type 3 Delineator - Type I Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type B (Median) | 243 | Section LS Tons CY SY SY SY Tons SF EA EA EA EA EA EA EA LF LF | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 114.00 \$ 114.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 31.00 \$ 38.00 \$ 38.00 \$ 38.00 | | \$ - \$ - \$ - \$ 16,010.94 \$ - \$ 36,388.50 \$ - | | \$ 57,387.2 |
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| Subject to defect warranty financial assurance. A minimum of 20% shall retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED) ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Guide/Street Name Sign Epoxy Pavement Marking Barricade - Type 1 Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type C (Ramp) 4" Sidewalk (common areas only) 5" Sidewalk 6" Sidewalk | 243 | Section LS Tons CY SY SY SY Tons SF EA EA EA SF EA EA SF EA LF LF LF SY SY SY SY | x 1 Subtotal \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 11.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 38.00 \$ 394.00 \$ 94.00 \$ 94.00 \$ 394.00 \$ 394.00 | | \$ 57,387.27 \$ - \$ - | | \$ 57,387.2 5 6 5 5 5 5 5 5 5 5 5 5 5 |
| Subject to defect warranty financial assurance. A minimum of 20% shall retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED) ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Bearicade Addian, Paved Regulatory Sign/Advisory Sign Guide/Street Name Sign Epoxy Pavement Marking Barricade - Type 1 Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type B (Median) Curb and Gutter, Type C (Ramp) 4" Sidewalk 6" Sidewalk 8" Sidewalk 8" Sidewalk | 243 | Section LS Tons CY SY SY SY Tons SF EA EA EA EA SF SF EA EA LF LF LF LF SY SY SY SY SY | x 1 Subtotal \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 11.00 \$ 392.00 \$ 392.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 38.00 \$ 39.00 \$ 30.00 \$ 30 | | \$ 57,387.27 \$ - \$ - \$ 16,010.94 \$ - \$ 36,388.50 \$ - \$ 36,388.50 \$ - <td></td> <td>\$ 57,387.2 \$ - \$ - \$ 16,010.1 \$ - \$ 36,388.1 \$ - \$ 36,388.1 \$ -</td> | | \$ 57,387.2 \$ - \$ - \$ 16,010.1 \$ - \$ 36,388.1 \$ - \$ 36,388.1 \$ - |
| Subject to defect warranty financial assurance. A minimum of 20% shall retained until final acceptance (MAXIMUM OF 80% COMPLETE LOVED) COVEDD ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Barricade Aggregate Marking Barricade - Type 1 Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type C (Ramp) 4" Sidewalk 8" Sidewalk Pedestrian Ramp | 243 | Section LS Tons CY SY SY SY Tons SF EA EA EA EA EA LF LF LF LF SY SY SY SY EA | x 1 Subtotal \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 11.00 \$ 392.00 \$ 392.00 \$ 30.00 \$ 30 | | \$ - \$ - \$ - \$ 16,010.94 \$ - \$ 16,010.94 \$ - \$ 36,388.50 \$ - </td <td></td> <td>\$ 57,387.2 \$ - \$ - \$ 16,010.3 \$ - \$ 36,388.1 \$ - </td> | | \$ 57,387.2 \$ - \$ - \$ 16,010.3 \$ - \$ 36,388.1 \$ - |
| Subject to defect warranty financial assurance. A minimum of 20% shall retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED) SECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf) Epoxy Pavement Marking Delineator - Type 1 Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type C (Ramp) 4" Sidewalk (common areas only) 5" Sidewalk Pedestrian Ramp Cross Pan, local (8" thick, 6' wide to include return) | 243 | Section LS Tons CY SY SY SY Tons SF EA EA EA EA LF LF LF SY SY SY SY SY EA LF | x 1 Subtotal \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 11.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 30.00 \$ 392.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 77.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 30.00 \$ 11.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 11.00 \$ 30.00 \$ 30.00 | | \$ - \$ - \$ - \$ - \$ 16,010.94 \$ - \$ 16,010.94 \$ - < | | \$ 57,387.2 \$ - \$ - \$ 16,010.3 \$ - \$ 36,388.1 \$ - |
| Subject to defect warranty financial assurance. A minimum of 20% shall retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED) ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf) EDV 2 - "thick Raised Median, Paved Regulatory Sign/Advisory Sign Guide/Street Name Sign Epoxy Pavement Marking Barricade - Type 3 Delineator - Type I Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type C (Ramp) 4" Sidewalk (common areas only) 5" Sidewalk Pedestrian Ramp Cross Pan, local (8" thick, 6' wide to include return) | 243 | Section LS Tons CY SY SY SY Tons SF EA EA EA EA EA LF LF LF LF SY SY SY SY EA | x 1 Subtotal \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 11.00 \$ 392.00 \$ 392.00 \$ 30.00 \$ 30 | | \$ - \$ - \$ - \$ 16,010.94 \$ - \$ 16,010.94 \$ - \$ 36,388.50 \$ - </td <td></td> <td>\$ 57,387.2 5 5 5 5 5 5 5 5 5 5 5 5 5</td> | | \$ 57,387.2 5 5 5 5 5 5 5 5 5 5 5 5 5 |
| Subject to defect warranty financial assurance. A minimum of 20% shall retained until final acceptance (MAXIMUM OF 80% COMPLETE LIQWED) ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf) Epoxy Pavement Marking Barricade - Type 1 Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type C (Ramp) 4" Sidewalk 8" Sidewalk 8" Sidewalk Pedestrian Ramp | 243 | Section LS Tons CY SY SY SY Tons SF EA EA EA EA LF LF LF SY SY SY SY SY EA LF | x 1 Subtotal \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 11.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 30.00 \$ 392.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 77.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 30.00 \$ 11.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 11.00 \$ 30.00 \$ 30.00 | | \$ - \$ - \$ - \$ - \$ 16,010.94 \$ - \$ 16,010.94 \$ - < | | \$ 57,387.2 \$ - \$ - \$ 16,010.3 \$ - \$ 36,388.1 \$ - |
| Subject to defect warranty financial assurance. A minimum of 20% shall retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED) ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (3" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Raised Median, Paved Regulatory Sign Guide/Street Name Sign Epoxy Pavement Marking Barricade - Type 3 Delineator - Type I Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type C (Ramp) 4" Sidewalk 6" Sidewalk 8" Sidewalk 8" Sidewalk 8" Sidewalk 8" Sidewalk 8" Sidewalk 8" Sidewalk | 243 | LS Tons CY SY SY Tons SF EA EA EA EA EA EA LF LF LF SY SY SY SY EA LF LF | x 1 Subtotal \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 11.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 30.00 \$ 38.00 \$ 77.00 \$ 77.00 \$ 77.00 \$ 77.00 \$ 79.00 \$ 125.00 \$ 125.00 \$ 114.00 \$ 114.00 \$ 125.00 \$ 114.000 \$ 114.000 \$ 119.000 \$ 119.0000 \$ 119.0000 \$ 119.0000 \$ 119.0000 \$ 119.0000 \$ 119.0000 \$ 119.00000 \$ 119.0000 \$ 119.00000 \$ 119.00000 \$ 119.000000 \$ 119.00000000000000000000000000000000000 | | \$ 57,387.27 \$ - \$ - \$ - \$ 16,010.94 \$ - \$ 16,010.94 \$ - </td <td></td> <td>\$ 57,387.2 \$ -</td> | | \$ 57,387.2 \$ - |
| Subject to defect warranty financial assurance. A minimum of 20% shall retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED) ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Agsphalt Pavement (3" thick) Asphalt Pavement (1" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf)" thick Raised Median, Paved Regulatory Sign/Advisory Sign Guide/Street Name Sign Epoxy Pavement Marking Delineator - Type 1 Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type C (Ramp) 4" Sidewalk 6" Sidewalk 8" Sidewalk 8" Sidewalk 8" Sidewalk 8" Sidewalk 9" Pedestrian Ramp Cross Pan, collector (9" thick, 8" wide to include return) Curb Opening with Drainage Chase Guardrail Type 3 (W-Beam) | 243 | LS Tons CY SY SY SY Tons SF EA EA EA EA EA LF LF LF LF SY SY SY SY SY EA LF LF LF EA | x 1 Subtotal \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 114.00 \$ 392.00 \$ 38.00 \$ 39.00 \$ 125.00 \$ 119.00 \$ 1,926.00 \$ 1,926.00 | | \$ - \$ - \$ - \$ 16,010.94 \$ - \$ 36,388.50 \$ - \$ 36,388.50 \$ - \$ <td></td> <td>\$ 57,387.2 \$ - \$ - \$ 16,010.1 \$ - \$ 36,388.1 \$ - \$ 36,388.1 \$ -</td> | | \$ 57,387.2 \$ - \$ - \$ 16,010.1 \$ - \$ 36,388.1 \$ - \$ 36,388.1 \$ - |
| Subject to defect warranty financial assurance. A minimum of 20% shall retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED) ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Beautory Sign/Advisory Sign Guide/Street Name Sign Epoxy Pavement Marking Barricade - Type 1 Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type B (Median) Curb and Gutter, Type C (Ramp) 4" Sidewalk (common areas only) 5" Sidewalk 6" Sidewalk 8" Sidewalk 8" Sidewalk 8" Sidewalk 9 Pedestrian Ramp Cross Pan, local (8" thick, 6' wide to include return) Curb Opening with Drainage Chase Guardrail Type 3 (W-Beam) Guardrail Type 7 (Concrete) | 243 | LS Tons CY SY SY SY Tons SF EA EA EA SF EA EA LF LF LF SY SY SY SY SY EA LF LF LF LF EA LF | \$ 37.00 \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 18.00 \$ 11.00 \$ 392.00 \$ 11.00 \$ 11.00 \$ 11.00 \$ 392.00 \$ 392.00 \$ 31.00 \$ 30.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 125.00 \$ 125.00 \$ 125.00 \$ 194.00 \$ 19.00 \$ 19.00 \$ 19.00 \$ 19.00 \$ 94.00 | | \$ 57,387.27 \$ - \$ - \$ 16,010.94 \$ - \$ 16,0388.50 \$ - \$ 36,388.50 \$ - <td></td> <td>\$ 57,387.2 \$ - \$ - \$ - \$ - \$ 36,388. \$ -</td> | | \$ 57,387.2 \$ - \$ - \$ - \$ - \$ 36,388. \$ - |
| Subject to defect warranty financial assurance. A minimum of 20% shall retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED) ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement Marking Barricade - Type 3 Delineator - Type I Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type C (Ramp) 4" Sidewalk 6" Sidewalk 6" Sidewalk 8" Sidewalk Pedestrian | 243 | Section LS Tons CY SY SY SY Tons SF EA EA EA EA EA EA EA LF LF LF LF SY SY SY SY SY EA LF LF LF EA LF LF EA | A Subtotal \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 18.00 \$ 11.00 \$ 11.00 \$ 11.00 \$ 11.00 \$ 11.00 \$ 11.00 \$ 11.00 \$ 11.00 \$ 11.00 \$ 11.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 125.00 \$ 125.00 \$ 125.00 \$ 14,496.00 \$ 19.00 \$ 19.26.00 \$ 19.26.00 \$ 94.00 \$ 19.26.00 \$ 94.00 | | \$ 57,387.27 \$ - \$ - \$ 16,010.94 \$ - \$ 16,0388.50 \$ - \$ 36,388.50 \$ - <td></td> <td>\$ 57,387.2 \$ - \$ - \$ 16,010.1 \$ - \$ 36,388.1 \$ - </td> | | \$ 57,387.2 \$ - \$ - \$ 16,010.1 \$ - \$ 36,388.1 \$ - |
| Subject to defect warranty financial assurance. A minimum of 20% shall retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED) ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement Marking Barricade - Type 3 Delineator - Type 1 Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type C (Ramp) 4" sidewalk (common areas only) 5" Sidewalk 8" Sidewalk 9 Addit thick, 6' wide to include return) Curb Opening with Drainage Chase Guardrail Type 3 (W-Beam) Guardrail Type 7 (Concrete) Guardrail Type 7 (Concrete) | 243 | Section LS Tons CY SY SY SY Tons SF EA EA EA EA EA LF LF LF SY SY SY SY SY SY EA LF LF EA LF LF EA LF LF EA LF LF EA | A Subtotal \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 11.4.00 \$ 11.00 \$ 392.00 \$ 392.00 \$ 37.00 \$ 38.00 \$ 17.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 17.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 125.00 \$ 1,496.00 \$ 79.00 \$ 1,926.00 \$ 1,926.00 \$ 94.00 \$ 94.00 \$ 2,731.00 \$ 4,902.00 | | \$ - \$ - \$ - \$ 16,010.94 \$ - \$ 16,010.94 \$ - \$ 16,010.94 \$ - </td <td></td> <td>\$ 57,387.2 \$ - \$ - \$ 16,010.1 \$ - \$ 36,388.1 \$ - </td> | | \$ 57,387.2 \$ - \$ - \$ 16,010.1 \$ - \$ 36,388.1 \$ - |
| Subject to defect warranty financial assurance. A minimum of 20% shall retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED) ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Agsphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Courb and Gutter, Type A (6" Vertical) Curb and Gutter, Type B (Median) Curb and Gutter, Type B (Median) Curb and Gutter, Type C (Ramp) 4" Sidewalk 8" Sidewalk Curb and Call (6" thick, 6' wide to include return) Cross Pan, local (8" thick, 6' wide to include return) Curb Opening with Drainage Chase Guardrail Type 7 (Concrete) Guardrail Impact Attenuator Sound Barrier Fence (CMU block, 6' high) | 243 | LS Tons CY SY SY SY Tons SF EA EA EA EA EA EA LF LF LF SY SY SY SY SY SY SY EA LF LF LF EA LF LF EA LF LF LF EA | A Subtotal \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 18.00 \$ 125.00 \$ 38.00 \$ 114.00 \$ 114.00 \$ 11.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 30.00 \$ 38.00 \$ 125.00 \$ 125.00 \$ 192.00 \$ 394.00 \$ 2,731.00 \$ 4,902.00 \$ 102.00 | | \$ 57,387.27 \$ - \$ - \$ - \$ 16,010.94 \$ - \$ 16,010.94 \$ - </td <td></td> <td>\$ 57,387.2 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5</td> | | \$ 57,387.2 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 |
| Subject to defect warranty financial assurance. A minimum of 20% shall retained until final acceptance (MAXIMUM OF 80% COMPLETE LOWED) CONEDU CONEDU Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Barricade - Type 3 Delineator - Type 1 Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type C (Ramp) 4" Sidewalk 6" Sidewalk 8" Sidewalk 8" Sidewalk 8" Sidewalk 9 Aging and thick, 6' wide to include return) Curb Opening with Drainage Chase Guardrail Type 7 (Concrete) Guardrail Type 7 (Concrete) Guardrail Impact Attenuator | 243 | Section LS Tons CY SY SY SY Tons SF EA EA EA EA EA LF LF LF SY SY SY SY SY SY EA LF LF EA LF LF EA LF LF EA LF LF EA | A Subtotal \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 11.4.00 \$ 11.00 \$ 392.00 \$ 392.00 \$ 37.00 \$ 38.00 \$ 17.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 17.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 125.00 \$ 1,496.00 \$ 79.00 \$ 1,926.00 \$ 1,926.00 \$ 94.00 \$ 94.00 \$ 2,731.00 \$ 4,902.00 | | \$ - \$ - \$ - \$ 16,010.94 \$ - \$ 16,010.94 \$ - \$ 16,010.94 \$ - </td <td></td> <td>\$ 57,387.2 \$ - \$ - \$ 16,010.3 \$ - \$ 36,388.1 \$ - </td> | | \$ 57,387.2 \$ - \$ - \$ 16,010.3 \$ - \$ 36,388.1 \$ - |

| | | PROJECT 1 | INFORMATI | ON | | | |
|--|----------|------------|---------------|----|--------------|-------------------------|---------------------------------------|
| Grandview Reserve Interceptor Sewer | | | 6/12/2024 | | | | |
| Project Name | | | Date | | | PCD File No. | |
| | | | | | | 1 | |
| Description | Quantity | Units | Unit Cost | | Total | (with Pre % Complete | -Plat Construction) Remaining |
| | | | | = | \$ - | | \$ - |
| [insert items not listed but part of construction plans] | | | | = | \$ - | | \$- |
| STORM DRAIN IMPROVEMENTS | | | | | | | |
| Concrete Box Culvert (M Standard), Size (W x H) | | LF | | = | \$ - | | \$ - |
| 18" Reinforced Concrete Pipe | | LF | \$ 82.00 | = | \$ - | | \$- |
| 24" Reinforced Concrete Pipe | | LF | \$ 98.00 | = | \$ - | | \$ - |
| 30" Reinforced Concrete Pipe | | LF | \$ 123.00 | = | \$ - | | \$- |
| 36" Reinforced Concrete Pipe | | LF | \$ 151.00 | = | \$ - | | \$- |
| 42" Reinforced Concrete Pipe | | LF | \$ 201.00 | = | \$ - | | \$- |
| 48" Reinforced Concrete Pipe | | LF | \$ 245.00 | = | \$- | | \$- |
| 54" Reinforced Concrete Pipe | | LF | \$ 320.00 | = | \$ - | | \$- |
| 60" Reinforced Concrete Pipe | | LF | \$ 374.00 | = | \$- | | \$- |
| 66" Reinforced Concrete Pipe | | LF | \$ 433.00 | = | \$ - | | \$- |
| 72" Reinforced Concrete Pipe | | LF | \$ 495.00 | = | \$ - | | \$- |
| 18" Corrugated Steel Pipe | | LF | \$ 105.00 | = | \$ - | | \$- |
| 24" Corrugated Steel Pipe | | LF | \$ 121.00 | = | \$ - | | \$ - |
| 30" Corrugated Steel Pipe | | LF | \$ 154.00 | = | \$ - | | \$ - |
| 36" Corrugated Steel Pipe | | LF | \$ 184.00 | = | \$ - | | \$ - |
| 42" Corrugated Steel Pipe | | LF | \$ 212.00 | = | \$ - | | \$ - |
| 48" Corrugated Steel Pipe | | LF | \$ 223.00 | = | \$ - | | \$ - |
| 54" Corrugated Steel Pipe | | LF | \$ 327.00 | = | \$ - | | \$ - |
| 60" Corrugated Steel Pipe | | LF | \$ 353.00 | = | \$ - | | \$ - |
| 66" Corrugated Steel Pipe | | LF | \$ 427.00 | = | \$ - | | \$- |
| 72" Corrugated Steel Pipe | | LF | \$ 502.00 | = | \$ - | | \$- |
| 78" Corrugated Steel Pipe | | LF | \$ 578.00 | = | \$ - | | \$- |
| 84" Corrugated Steel Pipe | | LF | \$ 691.00 | = | \$ - | | \$ - |
| Flared End Section (FES) RCP Size = | | | | | | | |
| (unit cost = 6x pipe unit cost) | | EA | | = | \$ - | | \$ - |
| Flared End Section (FES) CSP Size = | | F A | | = | \$ - | | \$ - |
| (unit cost = 6x pipe unit cost) | | EA EA | | | | | · · · · · · · · · · · · · · · · · · · |
| End Treatment- Headwall | | | | = | \$ - \$ - | | Ψ |
| End Treatment- Wingwall | | EA EA | | = | Ψ | | Ψ |
| End Treatment - Cutoff Wall | | | ć 7,212,00 | = | Ψ | | Ψ |
| Curb Inlet (Type R) L=5', Depth < 5' | | EA | \$ 7,212.00 | = | \$ - | | \$ - |
| Curb Inlet (Type R) L=5', $5' \le \text{Depth} < 10'$ | | EA | \$ 9,377.00 | = | \$ - | | \$ - |
| Curb Inlet (Type R) L =5', $10' \le \text{Depth} < 15'$ | | EA | \$ 10,859.00 | = | \$ - | | \$ - |
| Curb Inlet (Type R) L =10', Depth < 5' | | EA | \$ 9,925.00 | = | \$ - | | \$ - |
| Curb Inlet (Type R) L =10', 5'≤ Depth < 10' | | EA | \$ 10,230.00 | = | \$ - | | \$ - |
| Curb Inlet (Type R) L =10', 10'≤ Depth < 15' | | EA | \$ 12,805.00 | = | \$ - | | \$ - |
| Curb Inlet (Type R) L =15', Depth < 5' | | EA | \$ 12,907.00 | = | \$ - | | \$ - |
| Curb Inlet (Type R) L =15', 5'≤ Depth < 10' | | EA | \$ 13,835.00 | = | \$ - | | \$ - |
| Curb Inlet (Type R) L =15', 10'≤ Depth < 15' | | EA | \$ 15,130.00 | = | \$ - | | \$ - |
| Curb Inlet (Type R) L =20', Depth < 5' | | EA | \$ 13,755.00 | = | \$ - | | \$ - |
| Curb Inlet (Type R) L =20', $5' \le \text{Depth} < 10'$ | | EA | \$ 15,181.00 | = | \$ - | | \$ - |
| Grated Inlet (Type C), Depth < 5' | | EA | \$ 6,037.00 | = | \$ - | | \$ - |
| Grated Inlet (Type D), Depth < 5' | | EA | \$ 7,458.00 | = | \$ - | | \$ - |
| Storm Sewer Manhole, Box Base | | EA | \$ 15,130.00 | = | \$ - | | \$ - |
| Storm Sewer Manhole, Slab Base | | EA | \$ 8,322.00 | = | \$ - | | \$- |
| Geotextile (Erosion Control) | | SY | \$ 9.00 | = | \$ - | | \$- |
| Rip Rap, d50 size from 6" to 24" | | Tons | \$ 104.00 | = | \$ - | | \$- |
| Rip Rap, Grouted | | Tons | \$ 124.00 | = | \$ - | | \$ - |
| Drainage Channel Construction, Size(W x H) | | LF | | = | \$ - | | \$- |
| Drainage Channel Lining, Concrete | | CY | \$ 741.00 | = | \$ - | | \$ - |
| Drainage Channel Lining, Rip Rap | | CY | \$ 145.00 | = | \$ - | | \$ - |
| Drainage Channel Lining, Grass | | AC | \$ 1,911.00 | = | \$ - | | \$ - |
| Drainage Channel Lining, Other Stabilization | | | | = | \$ - | | \$ - |
| | | | | = | \$ - | | \$ - |
| [insert items not listed but part of construction plans] | | | | = | \$ - | | \$ - |
| * - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE | | 04' - | m 0 Cultini-I | | ¢ 53.300.40 | | ¢ 53.300.44 |
| ALLOWED) | | Sectio | n 2 Subtotal | = | \$ 52,399.40 | | \$ 52,399.44 |

| | | KUJECT | INFORMATI | ON | | | | |
|---|----------------------|---------------|-----------------|----------|----------|--------------|--------------|------------------|
| Grandview Reserve Interceptor Sewer | | | 6/12/2024 | | | | | |
| Project Name | | | Date | | | | PCD File No. | |
| | | | | | | | (11 5 5 | |
| | | | Unit | | | | · · | at Construction) |
| Description | Quantity | Units | Cost | | | Total | % Complete | Remaining |
| SECTION 3 - COMMON DEVELOPMENT IMPI ROADWAY IMPROVEMENTS | KOVEMENTS (Pri | vate or D | istrict and r | NOT Mair | itained | By EPC)** | | |
| ROADWAT IMPROVEMENTS | | | | | | | | |
| | | | | = | \$ | - | \$ | - |
| | | | | = | \$ | | \$ | |
| | | | | = | \$ | - | \$ | - |
| | | | | = | \$ | - | \$ | - |
| | | | | = | \$ | - | \$ | - |
| STORM DRAIN IMPROVEMENTS (Exce | ption: Permanent Pon | | he itemized use | | \$ | - | \$ | - |
| STORM DRAIN IMPROVEMENTS (EXCe | puon. Permanent Pon | u/DIVIP Shall | be itemized und | | | - | t. | - |
| | | | | - | \$ \$ | - | \$ | - |
| | | | | | | - | | |
| | | | | = | \$ \$ | | \$ | - |
| | | | | - | \$ | - | \$ | |
| | | | | = | \$ \$ | - | \$ | - |
| WATER SYSTEM IMPROVEMENTS | | | | = | > | - | Þ | - |
| Water Main Pipe (PVC), Size 8" | | LF | \$ 84.00 | = | \$ | - | \$ | |
| Water Main Pipe (PVC), Size 8 | | IF | \$ 98.00 | = | э \$ | | \$ | |
| Gate Valves. 8" | | EA | \$ 2,418.00 | = | \$ | | \$ | |
| Fire Hydrant Assembly, w/ all valves | | EA | \$ 8,584.00 | - | \$ | _ | \$ | |
| Water Service Line Installation, inc. tap and valves | | EA | \$ 1,723.00 | = | ۶ ۶ | | \$ | - |
| Fire Cistern Installation, complete | | EA | \$ 1,725.00 | - | \$ | - | \$ | - |
| The distern histaliation, complete | | LA | | = | \$ | | \$ | |
| [insert items not listed but part of construction plans] | | | | - | ۶ ۶ | | \$ | |
| SANITARY SEWER IMPROVEMENTS | | | | _ | P | | ÷ | |
| Sewer Main Pipe (PVC), Size 8" | 40 | LF | \$ 84.00 | = | \$ | 3,360.00 | \$ | 3,360.00 |
| Sanitary Sewer Manhole, Depth < 15 feet | 17 | EA | \$ 5,708.00 | = | \$ | 97,036.00 | \$ | 97,036.0 |
| Sanitary Service Line Installation, complete | 17 | EA | \$ 1,825.00 | = | \$ | 57,050.00 | \$ | 57,050.0 |
| Sanitary Sewer Manhole, Depth 15 to 25 feet | 5 | L/ \ | \$ 24,000.00 | | \$ | 120,000.00 | \$ | 120,000.0 |
| Sanitary Sewer Manhole, Depth 25 to 35 feet | 4 | EA | \$ 35,000.00 | = | \$ | 140,000.00 | \$ | 140,000.0 |
| 18" PVC SDR 26 | 8208 | LF | \$ 150.00 | - | \$ | 1,231,200.00 | \$ | 1,231,200.0 |
| Sewer Main Pipe (PVC), Size 15" | 40 | LF | \$ 132.00 | | \$ | 5,280.00 | \$ | 5,280.0 |
| 30" PVC Steel Casing Pipe W/ cathodic Protection | 150 | LF | \$ 256.80 | = | \$ | 38,520.00 | \$ | 38,520.00 |
| | (For subdivision spe | | | | Ψ | 55,525.00 | Ψ | 55,52010 |
| | (casarriston opo | EA | | = | \$ | - | \$ | - |
| | | EA | | = | \$ | - | \$ | - |
| | | EA | | = | \$ | - | \$ | - |
| | | EA | | = | \$ | - | \$ | |

| | | PROJECT I | | ON | | | | | |
|---|--------------------|------------------|--------------------|--------------|-------------|-------------------------|-------------------|---------|-------------------|
| Grandview Reserve Interceptor Sewer | | | 6/12/2024 | | | | | | |
| Project Name | - | | Date | | | | PCD File No. | | |
| | | | | | | | | | |
| | | | Unit | | | | · · | 1 | onstruction) |
| Description | Quantity | Units | Cost | | | Total | % Complete | (| Remaining |
| tt. Casting 2 is not subject to defect warmach as subjects | | EA | | = | \$ | | | \$ | - |
| ** - Section 3 is not subject to defect warranty requirements | | Sectio | n 3 Subtotal | = | \$ | 1,635,396.00 | | \$ | 1,635,396.00 |
| AS-BUILT PLANS (Public Improvements inc. Permanent W | | | | = | \$ | | | \$ | - |
| POND/BMP CERTIFICATION (inc. elevations and volume of | , | LS | | = | ې \$ | | | \$ | - |
| | , alouiutiono, | | | | 4 | | | • | |
| | | | | Tota | l Cons | truction Financia | al Assurance | \$ | 1,745,182.67 |
| | | | (Sum of all se | ction subto | tals plus | as-builts and pond/B | MP certification) | | 1 -1 |
| | | | | | | | | | |
| | Total Remain | ning Constr | ruction Finar | icial Ass | urance | e (with Pre-Plat C | onstruction) | \$ | 1,745,182.71 |
| | (Sum of all | I section totals | less credit for it | ems compl | lete plus | as-builts and pond/B | MP certification |) | |
| | | | | | | | | | |
| | | | | | | arranty Financia | | | 18,115.99 |
| | (2 | 20% of all item | is identified as (| *). To be co | ollateraliz | zed at time of prelimir | ary acceptance |) | |
| | | | | | | | | | |
| | | | | | | | | | |
| Approvals | | | | | | | | | |
| I hereby certify that this is an accurate and complete estimate | of costs for the w | vork as shown | on the Grading | and Erosio | n Contro | l Plan and Constructi | on Drawings ass | ociated | with the Proiect. |
| - · · · · · · · · · · · · · · · · · · · | | | | | | | j | | |
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| | | | | | | | | | |
| | | _ | | | | | | | |
| Engineer (P.E. Seal Required) | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Approved by Owner / Applicant | | - | Date | | | | | | |
| Approved by Owner / Apprent | | | Date | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Approved by El Paso County Engineer / ECM Administrator | | - | Date | | | | | | |
| | | | | | | | | | |

Interceptor Sewer

- According to the MHFD Bid pricing data, a 15" sanitary sewer pipe was \$110/LF for a project in 2017, the following assumptions were made:
 - 15" PVC Sanitary Sewer Pipe at \$132/LF (Increased by 20% to account for inflation)
 - 18" PVC Sanitary Sewer Pipe at \$150/LF (Increased to account for larger pipe size and inflation)
- According to the MHFD Bid pricing data, a "Sanitary Sewer Manhole, Depth 25 feet" in 2019 for \$20,000/EACH the following assumption was made:
 - "Sanitary Sewer Manhole, Depth 15 25 feet" is \$24,000/EACH (Increased by 20% to consider inflation)
 - "Sanitary Sewer Manhole, Depth 25 35 feet" is \$35,000/EACH (Increased to account for larger depth factor and inflation)
- According to the MHFD Bid pricing data, a "30" Steel Casing Per Detail A (PD003)" in 2017 for \$214/LF the following assumption was made:
 - 30" PVC Steel Casing Pipe with Cathodic Protection at \$256.80/LF (Increased by 20% to consider inflation)
- Asphalt Pavement and Aggregate Base Course:
 - Pavement thickness was assumed to be 4" thick
 - Base Course was assumed to be 6" thick based on minimum standards in El Paso County Criteria

2024 Financial Assurance Estimate Form Provide an estimate for it.

PPR2421

(with pre-plat construction) Updated: 10/202. PROJECT INFORMATION Grandview Reserve Lift Station 6/12/2024 PCD File No. Project Name Date Unit (with Pre-Plat Construction) Description Quantity Units Cost Total % Complete Remaining SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs) Earthwork less than 1 000: \$5 300 min CY 8 00 = \$ \$ 4187 25,122.00 25,122.00 1.000-5.000: \$8.000 min CY \$ 6.00 = \$ \$ 5,001-20,000; \$30,000 min CY 5.00 \$ \$ \$ 20,001-50,000; \$100,000 min CY \$ 3.50 \$ \$ 50,001-200,000; \$175,000 min CY 2.50 \$ = \$ \$ greater than 200,000; \$500,000 min CY \$ 2 00 = \$ \$ Permanent Erosion Control Blanket SY \$ 9.00 = \$ \$ Permanent Seeding (inc. noxious weed mgmnt.) & Mulching 2.4 AC \$ 2.018.00 4,843.20 4,843.20 \$ \$ Permanent Pond/BMP (provide engineer's estimate) EA \$ \$ Concrete Washout Basin 1,172.00 1,172.00 ΕA \$ 1,172.00 1 = \$ \$ Inlet Protection EA Ś 217.00 = \$ \$ Rock Check Dam FA Ś 651.00 = \$ \$ Safety Fence LF Ś 3.00 Sediment Basin EA 2,294.00 \$ \$ Sediment Trap EA 538.00 = Ś \$ \$ 1127 Silt Fence LF 3.00 3,381.00 3.381.00 Ś = \$ \$ Slope Drain 1 F Ś 43 00 \$ \$ Straw Bale EA Ś 33.00 = \$ \$ Straw Wattle/Rock Sock LF 8.00 Ś \$ \$ Surface Roughening AC 269.00 \$ \$ \$ Temporary Erosion Control Blanket SY 3.00 = Ś \$ \$ Temporary Seeding and Mulching 1.793.00 AC Ś = \$ \$ 3,085.00 Vehicle Tracking Control FA Ś 3,085.00 3,085.00 = \$ \$ [insert items not listed but part of construction plans] \$ MAINTENANCE (35% of Construction BMPs) 2,263.10 2,263.10 = \$ \$ Subject to defect warranty financial assurance. A minimum of 20% shall Section 1 Subtotal \$ 39,866.30 \$ 39,866.30 retained until final acceptance (MAXIMUM OF 80% COMPLETE = SECTION 2 - PUBLIC IMPROVEMENTS * ROADWAY IMPROVEMENTS Construction Traffic Control LS = \$ \$ Aggregate Base Course (135 lbs/cf) 37.00 Tons Ś = \$ \$ Aggregate Base Course (135 lbs/cf) CY Ś 66.00 \$ _ \$ Asphalt Pavement (3" thick) SY 18.00 \$ \$ \$ Asphalt Pavement (4" thick) SY 25.00 \$ \$ Asphalt Pavement (6" thick) SY 38.00 \$ \$ \$ Asphalt Pavement (147 lbs/cf) " thick 114.00 Tons Ś = \$ \$ Raised Median, Paved SF Ś 11.00 = \$ \$ Regulatory Sign/Advisory Sign EA \$ 392.00 = \$ _ \$ Guide/Street Name Sign ΕA \$ Epoxy Pavement Marking SF 17.00 \$ = \$ \$ Thermoplastic Pavement Marking SF 30.00 \$ = \$ \$ Barricade - Type 3 259.00 EA = Ś \$ \$ Delineator - Type I ΕA \$ 31.00 = \$ _ \$ Curb and Gutter, Type A (6" Vertical) LF 38.00 \$ \$ _ Curb and Gutter, Type B (Median) LF 38.00 = \$ \$ Curb and Gutter, Type C (Ramp) LF 38.00 Ś = \$ \$ 4" Sidewalk (common areas only) SY Ś 62.00 = \$ \$ 5" Sidewalk SY \$ 77.00 = \$ \$ 6" Sidewalk SY 94.00 \$ _ \$ 8" Sidewalk SY 125.00 \$ \$ Pedestrian Ramp EA 1,496.00 = Ś \$ \$ Cross Pan, local (8" thick, 6' wide to include return) LF 79.00 \$ = \$ \$ Cross Pan, collector (9" thick, 8' wide to include return) LF Ś 119.00 \$ \$ Curb Opening with Drainage Chase EA 1,926.00 = \$ Ś \$ Guardrail Type 3 (W-Beam) LF 65.00 _ Ś \$. \$ Guardrail Type 7 (Concrete) LF 94.00 \$ = \$ \$ Guardrail End Anchorage EA Ś 2,731.00 = \$ \$ Guardrail Impact Attenuator EA 4,902.00 \$ = \$ \$ Sound Barrier Fence (CMU block, 6' high) LF 102.00 \$ Ś \$ _ Sound Barrier Fence (panels, 6' high) LF \$ 104.00 = \$ \$ -Electrical Conduit, Size = LF \$ 22.00 = \$. \$

Traffic Signal, (provide engineer's estimate)

=

\$

ΕA

| Cuandulaus Deseuse Lift Statis | | PROJEC | | FORMATION | | | | | | |
|--|----------|--------|--------|----------------------|---|--------|-------|--------------|----------------|---|
| Grandview Reserve Lift Station | _ | | | 2/2024 | | | | | | |
| Project Name | | | Dat | e | | | | PCD File No. | | |
| | | | - | | | | | | | |
| | | | | Unit | | | | | -Plat Construe | |
| Description | Quantity | Units | | Cost | | | Total | % Complete | Remai | - |
| | | | | | - | \$ | - | | \$ | - |
| [insert items not listed but part of construction plans] | | | | | = | \$ | - | | \$ | - |
| STORM DRAIN IMPROVEMENTS | | | | | | | | | | |
| Concrete Box Culvert (M Standard), Size (W x H) | | LF | - | | - | \$ | - | | \$ | - |
| 18" Reinforced Concrete Pipe | | LF | \$ | 82.00 | = | \$ | - | - | \$ | - |
| 24" Reinforced Concrete Pipe | | LF | \$ | 98.00 | = | \$ | - | - | \$ | - |
| 30" Reinforced Concrete Pipe | | LF | \$ | 123.00 | = | \$ | - | | \$ | - |
| 36" Reinforced Concrete Pipe | | LF | \$ | 151.00 | = | \$ | - | | \$ | - |
| 42" Reinforced Concrete Pipe | | LF | \$ | 201.00 | = | \$ | - | - | \$ | - |
| 48" Reinforced Concrete Pipe | | LF | \$ | 245.00 | = | \$ | - | | \$ | - |
| 54" Reinforced Concrete Pipe | | LF | \$ | 320.00 | = | \$ | - | | \$ | - |
| 60" Reinforced Concrete Pipe | | LF | \$ | 374.00 | = | \$ | - | | \$ | - |
| 66" Reinforced Concrete Pipe | | LF | \$ | 433.00 | = | \$ | - | | \$ | - |
| 72" Reinforced Concrete Pipe | | LF | \$ | 495.00 | = | \$ | - | | \$ | - |
| 18" Corrugated Steel Pipe | | LF | \$ | 105.00 | = | \$ | - | | \$ | - |
| 24" Corrugated Steel Pipe | | LF | \$ | 121.00 | = | \$ | - | | \$ | - |
| 30" Corrugated Steel Pipe | | LF | \$ | 154.00 | = | \$ | - | | \$ | - |
| 36" Corrugated Steel Pipe | | LF | \$ | 184.00 | = | \$ | - | | \$ | - |
| 42" Corrugated Steel Pipe | | LF | \$ | 212.00 | = | \$ | - | | \$ | - |
| 48" Corrugated Steel Pipe | | LF | \$ | 223.00 | = | \$ | - | | \$ | - |
| 54" Corrugated Steel Pipe | | LF | \$ | 327.00 | = | \$ | - | | \$ | - |
| 60" Corrugated Steel Pipe | | LF | \$ | 353.00 | = | \$ | - | | \$ | - |
| 66" Corrugated Steel Pipe | | LF | \$ | 427.00 | = | \$ | - | | \$ | - |
| 72" Corrugated Steel Pipe | | LF | \$ | 502.00 | = | \$ | - | | \$ | - |
| 78" Corrugated Steel Pipe | | LF | \$ | 578.00 | = | \$ | - | | \$ | - |
| 84" Corrugated Steel Pipe | | LF | \$ | 691.00 | = | \$ | - | | \$ | - |
| Flared End Section (FES) RCP Size = | | | | | _ | | | | | |
| (unit cost = 6x pipe unit cost) | | EA | | | = | \$ | - | | \$ | - |
| Flared End Section (FES) CSP Size = (unit cost = 6x pipe unit cost) | | EA | | | = | \$ | - | | \$ | - |
| | | EA | _ | | - | \$ | - | | \$ | |
| End Treatment- Headwall End Treatment- Wingwall | | EA | _ | | = | ۶ ۶ | | | э \$ | |
| | | EA | _ | | | | | | | |
| End Treatment - Cutoff Wall Curb Inlet (Type R) L=5', Depth < 5' | | EA | \$ | 7 212 00 | = | \$ | - | | \$ | |
| | | EA | \$ | 7,212.00 9,377.00 | | \$ | | | \$ | |
| | | | - | | = | | | | \$ | - |
| Curb Inlet (Type R) L =5', $10' \le \text{Depth} < 15'$ | | EA | \$ | 10,859.00 | | \$ | | | \$ | |
| Curb Inlet (Type R) L =10', Depth < 5' | | EA | \$ | 9,925.00 | = | \$ | - | | \$ | - |
| Curb Inlet (Type R) L =10', 5' ≤ Depth < 10' | | EA | \$ | 10,230.00 | = | \$ | - | | \$ | - |
| Curb Inlet (Type R) L =10', 10' ≤ Depth < 15' | | EA | \$ | 12,805.00 | = | \$ | - | | \$ | - |
| Curb Inlet (Type R) L =15', Depth < 5' | | EA | \$ | 12,907.00 | = | \$ | - | - | \$ | - |
| Curb Inlet (Type R) L =15', 5' ≤ Depth < 10' | | EA | \$ | 13,835.00 | = | \$ | - | | \$ | - |
| Curb Inlet (Type R) L =15', 10' ≤ Depth < 15' | | EA | \$ | 15,130.00 | = | \$ | - | | \$ | - |
| Curb Inlet (Type R) L =20', Depth < 5' | | EA | \$ | 13,755.00 | = | \$ | - | | \$ | - |
| Curb Inlet (Type R) L =20', 5' ≤ Depth < 10' | | EA | \$ | 15,181.00 | = | \$ | - | | \$ | - |
| Grated Inlet (Type C), Depth < 5' | | EA | \$ | 6,037.00 | = | \$ | - | | \$ | - |
| Grated Inlet (Type D), Depth < 5' | | EA | \$ | 7,458.00 | = | \$ | - | | \$ | - |
| Storm Sewer Manhole, Box Base | | EA | \$ | 15,130.00 | = | \$ | - | | \$ | - |
| Storm Sewer Manhole, Slab Base | | EA | \$ | 8,322.00 | = | \$ | - | | \$ | - |
| Geotextile (Erosion Control) | | SY | \$ | 9.00 | = | \$ | - | | \$ | - |
| Rip Rap, d50 size from 6" to 24" | | Tons | \$ | 104.00 | = | \$ | - | | \$ | - |
| Rip Rap, Grouted | | Tons | \$ | 124.00 | = | \$ | - | | \$ | - |
| Drainage Channel Construction, Size (W x H) | | LF | | | = | \$ | - | | \$ | - |
| Drainage Channel Lining, Concrete | | CY | \$ | 741.00 | = | \$ | - | | \$ | - |
| Drainage Channel Lining, Rip Rap | | CY | \$ | 145.00 | = | \$ | - | | \$ | - |
| Drainage Channel Lining, Grass | | AC | \$ | 1,911.00 | = | \$ | - | | \$ | - |
| Drainage Channel Lining, Other Stabilization | | | | | = | \$ | - | | \$ | - |
| | | | | | = | \$ | - | | \$ | - |
| [insert items not listed but part of construction plans] | | | | | = | \$ | - | | \$ | - |
| - Subject to defect warranty financial assurance. A minimum of 20% shall | | | | | | | | | | |
| e retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED) | | 9 | Sectio | on 2 Subtotal | = | \$ | - | | \$ | - |

| | | PROJEC | CT IN | IFORMATION | | | | | |
|---|----------------------|----------------|----------|--------------------|---------|----------|--------------|--------------|-----------------|
| Grandview Reserve Lift Station | | | 6/1 | 2/2024 | | | | | |
| Project Name | | | Da | te | | | | PCD File No. | |
| | | | | | | | | | |
| | | | | Unit | | | | • | t Construction) |
| Description | Quantity | Units | | Cost | | | Total | % Complete | Remaining |
| SECTION 3 - COMMON DEVELOPMENT IMPI | ROVEMENTS (Pri | vate or D | Distri | ct and NOT Ma | aintain | ed by | EPC)** | | |
| ROADWAY IMPROVEMENTS | | | | | | <i>.</i> | | | |
| | | | | | = | \$ | - | \$ | - |
| | | | | | = | \$ \$ | - | \$ | - |
| | | | | | _ | ۶ ۶ | | \$ | |
| | | | | | - | э \$ | | \$ | |
| | | | | | = | \$ | - | \$ | - |
| STORM DRAIN IMPROVEMENTS (Exce | ption: Permanent Pon | d/BMP shall | be ite | mized under Sectio | | 4 | | 4 | |
| <u> </u> | | | 1 | | = | \$ | - | \$ | - |
| | | | | | = | \$ | - | \$ | - |
| | | | | | = | \$ | - | \$ | - |
| | | | | | = | \$ | - | \$ | - |
| | | | | | = | \$ | - | \$ | - |
| | | | | | = | \$ | - | \$ | - |
| WATER SYSTEM IMPROVEMENTS | | | | | | | | | |
| Water Main Pipe (PVC), Size 8" | | LF | \$ | 84.00 | = | \$ | - | \$ | - |
| Water Main Pipe (Ductile Iron), Size 8" | | LF | \$ | 98.00 | = | \$ | - | \$ | - |
| Gate Valves, 8" | | EA | \$ | 2,418.00 | = | \$ | - | \$ | - |
| Fire Hydrant Assembly, w/ all valves | | EA | \$ | 8,584.00 | = | \$ | - | \$ | - |
| Water Service Line Installation, inc. tap and valves | | EA | \$ | 1,723.00 | = | \$ | - | \$ | - |
| Fire Cistern Installation, complete | | EA | | | = | \$ | - | \$ | - |
| | | | | | = | \$ | - | \$ | - |
| [insert items not listed but part of construction plans] | | | | | = | \$ | - | \$ | - |
| SANITARY SEWER IMPROVEMENTS Sewer Main Pipe (PVC), Size 8" | 221 | LF | ć | 84.00 | = | * | 18,555.60 | <i>t</i> | 18,555.6 |
| Sanitary Sewer Manhole, Depth < 15 feet | 3 | EA | \$ \$ | 5,708.00 | - | \$ | 18,555.60 | \$ | 17,124.00 |
| Sanitary Service Line Installation, complete | 5 | EA | \$ | 1,825.00 | = | \$ | 17,124.00 | \$ | 17,124.0 |
| Sanitary Service Life Installation, complete | 1 | EA | \$ | 7,465,000.00 | _ | ۶ ۶ | 7,465,000.00 | \$ | 7,465,000.0 |
| Sewer Main Pipe (PVC), Size 18" | 288 | LF | \$ | 150.00 | - | \$ | 43,260.00 | \$ | 43,260.0 |
| Sewer Main Pipe (PVC), Size 14" | 215 | LE | \$ | 123.00 | = | \$ | 26,445.00 | \$ | 26,445.0 |
| | 210 | | - | 0 | = | \$ | - | \$ | - |
| [insert items not listed but part of construction plans] | | | | | = | \$ | - | \$ | - |
| LANDSCAPING IMPROVEMENTS | (For subdivision spe | cific conditio | n of a | pproval, or PUD) | | | | | |
| | | EA | | | = | \$ | - | \$ | - |
| | | EA | | | = | \$ | - | \$ | - |
| | | EA | | | = | \$ | - | \$ | - |
| | | EA | | | - | \$ | - | \$ | - |
| | | EA | | | = | \$ | - | \$ | - |
| ** - Section 3 is not subject to defect warranty requirements | | 5 | Secti | on 3 Subtotal | = | \$ | 7,570,384.60 | \$ | 7,570,384.60 |

| | | PROJECT | INFORMATIO | N | | | |
|--|-------------------------|--------------------|-----------------------|---------------------|----------------------------|----------------------|-------------------|
| Grandview Reserve Lift Station | | 6 | 6/12/2024 | | | | |
| Project Name | | | Date | | | PCD File No. | |
| | | | | | | | |
| | | | Unit | | | | lat Construction) |
| Description | Quantity | Units | Cost | | Total | % Complete | Remaining |
| AS-BUILT PLANS (Public Improvements inc. Permaner | | | | - | ¢. | ¢ | |
| POND/BMP CERTIFICATION (inc. elevations and volum | | LS | | - | \$ - \$ | | - |
| FOND/BMF CERTIFICATION (Inc. elevations and volum | le calculations) | 77 | | - | ب - | Ψ | - |
| | | //` | | Total C | onstruction Financ | ial Assurance | \$ 7,610,250.90 |
| | | | (Sum of all | | plus as-builts and pond | | |
| | | | , | | | , | |
| Will need values for | Total R | emaining Co | nstruction Fina | ancial Assura | ance (with Pre-Plat | Construction) | \$ 7,610,250.90 |
| these two if it's decided | (Su | im of all section | totals less credit fo | r items complete | plus as-builts and pond | /BMP certification) | |
| | | | | | | | |
| that PBMP is required. | | | | Total Defe | ct Warranty Financ | ial Assurance | <u>\$5,993.04</u> |
| | | (20% of al | l items identified as | s (*). To be collat | eralized at time of prelin | ninary acceptance) | |
| | | | | | | | |
| | | | | | | | |
| Approvals | | | | | | | |
| I hereby certify that this is an accurate and complete estim | nate of costs for the w | work as shown or | the Grading and | Frosion Control F | Plan and Construction Dr | awings associated wi | th the Project |
| Thereby certify that this is an accurate and complete estin | | 011 03 3110 011 01 | T the ordering and | | | awings associated wi | ar the moject. |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | _ | | | | | |
| Engineer (P.E. Seal Required) | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Approved by Owner / Applicant | | | Date | | | | |

Date

Approved by Owner / Applicant

Approved by El Paso County Engineer / ECM Administrator

Sanitary Lift Station

- According to the MHFD Bid pricing data, a 15" sanitary sewer pipe was \$110/LF for a project in 2017, the following assumptions were made:
 - 14" PVC Sanitary Sewer Pipe at \$123/LF (Decreased to account for smaller pipe size and then increased to account for inflation)
 - 18" PVC Sanitary Sewer Pipe at \$150/LF (Increased to account for larger pipe size and inflation)
- Lift Station cost was estimated based on JHL Constructors budget estimates

2024 Financial Assurance Estimate Form

(with pre-plat construction)

| | P | ROJECT | INFORMATIO | N | | | | | |
|---|--------------|--|--|-----------------------|--|---|--------------------------|--|--|
| Frandview Reserve Onsite Sanitary Sewer | | | 6/12/2024 | | | | | | |
| roject Name | Date | | | | | PCD File No. | | | |
| | | | | | | | (with Due | | |
| escription | Quantity | Units | Unit Cost | | | Total | (with Pre- % Complete | Plat Construction) Remaining | |
| ECTION 1 - GRADING AND EROSION CONTRO | | | · · · · · · · · · · · · · · · · · · · | | - | Total | | Kennanning | |
| Earthwork | | | | | | | | | |
| less than 1,000; \$5,300 min | | CY | \$ 8.00 | = | \$ | - | | \$ - | |
| 1,000-5,000; \$8,000 min | | CY | \$ 6.00 | = | \$ | - | | \$- | |
| 5,001-20,000; \$30,000 min | | CY | \$ 5.00 | = | \$ | - | | \$- | |
| 20,001-50,000; \$100,000 min | | CY | \$ 3.50 | = | \$ | - | | ; \$- | |
| 50,001-200,000; \$175,000 min | | CY | \$ 2.50 | = | \$ | - | | \$- | |
| greater than 200,000; \$500,000 min | | CY | \$ 2.00 | = | \$ | - | | \$- | |
| Permanent Erosion Control Blanket | | SY | \$ 9.00 | = | \$ | - | | \$ - | |
| Permanent Seeding (inc. noxious weed mgmnt.) & Mulching | 8.90 | AC | \$ 2,018.00 | = | \$ | 17,958.18 | | \$ | |
| Permanent Pond/BMP (provide engineer's estimate) | 0.50 | EA | ¢ 2,010.00 | = | \$ | - | | \$ | |
| Concrete Washout Basin | | EA | \$ 1,172.00 | = | \$ | _ | | φ\$ | |
| Inlet Protection | | EA | \$ 217.00 | = | э \$ | | | թ - \$- | |
| | 2 | EA | \$ 651.00 | _ | | | | | |
| Rock Check Dam | 2 | | · · | | \$ | 1,302.00 | | \$ 1,302. | |
| Safety Fence | | LF | \$ 3.00 | = | \$ | - | | \$ - | |
| Sediment Basin | | EA | \$ 2,294.00 | = | \$ | - | | \$- | |
| Sediment Trap | | EA | \$ 538.00 | = | \$ | - | | \$- | |
| Silt Fence | 883 | LF | \$ 3.00 | = | \$ | 2,647.98 | | \$ 2,647. | |
| Slope Drain | | LF | \$ 43.00 | | \$ | - | | \$- | |
| Straw Bale | | EA | \$ 33.00 | = | \$ | - | | \$- | |
| Straw Wattle/Rock Sock | | LF | \$ 8.00 | = | \$ | - | | \$- | |
| Surface Roughening | | AC | \$ 269.00 | | \$ | - | | \$- | |
| Temporary Erosion Control Blanket | | SY | \$ 3.00 | = | \$ | - | | \$- | |
| Temporary Seeding and Mulching | | AC | \$ 1,793.00 | = | \$ | - | | \$- | |
| Vehicle Tracking Control | 1 | EA | \$ 3,085.00 | = | \$ | 3,085.00 | | \$ 3,085. | |
| C . | | | | = | \$ | - | | \$- | |
| [insert items not listed but part of construction plans] | | | | = | \$ | - | | - \$ | |
| | TENANCE (35% | of Constr | uction BMPs) | = | \$ | 2,462.24 | | \$ | |
| - Subject to defect warranty financial assurance. A minimum of 20% shall | | | | | 4 | 2, 10212 1 | - | ÷ _/.v | |
| e retained until final acceptance (MAXIMUM OF 80% COMPLETE | | Soctio | | | - | | | | |
| | | Jecho | n 1 Subtotal | = | \$ | 27,455.40 | | \$ 27,455.4 | |
| | | Sectio | n 1 Subtotal | = | \$ | 27,455.40 | | \$ 27,455.4 | |
| SECTION 2 - PUBLIC IMPROVEMENTS * | | Sectio | n 1 Subtotal | = | \$ | 27,455.40 | | \$ 27,455.4 | |
| SECTION 2 - PUBLIC IMPROVEMENTS * | | | n 1 Subtotal | | | · | | · · | |
| ECTION 2 - PUBLIC IMPROVEMENTS * COADWAY IMPROVEMENTS Construction Traffic Control | | LS | | = | \$ | 27,455.40 | | \$ - | |
| CONSTRUCTION 2 - PUBLIC IMPROVEMENTS * | | LS Tons | \$ 37.00 | | \$ | · | | \$ | |
| CONSTRUCTION 2 - PUBLIC IMPROVEMENTS * | | LS | \$ 37.00 \$ 66.00 | = | \$ \$ \$ | - - | | \$ | |
| Construction Traffic Control Aggregate Base Course (135 lbs/cf) | | LS Tons | \$ 37.00 | = | \$ | - | | \$ - \$ - \$ - | |
| COLON 2 - PUBLIC IMPROVEMENTS * COADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Course | | LS Tons CY | \$ 37.00 \$ 66.00 | = | \$ \$ \$ | - - - - | | \$ - \$ - \$ - \$ - | |
| ECTION 2 - PUBLIC IMPROVEMENTS * COADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) | | LS Tons CY SY | \$ 37.00 \$ 66.00 \$ 18.00 | = | \$ \$ \$ \$ | | | \$ - \$ - \$ - \$ - \$ - | |
| CODE CONTRACTOR OF CONTRACTOR | | LS Tons CY SY SY | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 | = | \$ \$ \$ \$ | - | | \$ | |
| SECTION 2 - PUBLIC IMPROVEMENTS * Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf) " thick | | LS Tons CY SY SY SY SY Tons | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 | = | \$ \$ \$ \$ \$ \$ \$ \$ | - - - - - - - - - - - - - - - - - - - | | \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - | |
| BECTION 2 - PUBLIC IMPROVEMENTS * CONSTRUCTION TRAFFIC CONTROL Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) | | LS Tons CY SY SY SY SY Tons SF | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 11.00 | = = = = | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | - - - - - - - - - - - - - - - - - - | | \$ | |
| BECTION 2 - PUBLIC IMPROVEMENTS * COADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf) _" thick Raised Median, Paved Regulatory Sign/Advisory Sign | | LS Tons CY SY SY SY SY Tons SF EA | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 | = | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | - - - - - - - - - - - - - - - - - - - | | \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - | |
| BECTION 2 - PUBLIC IMPROVEMENTS * COADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf) Raised Median, Paved Regulatory Sign/Advisory Sign Guide/Street Name Sign Guide/Street Name Sign | | LS Tons CY SY SY SY Tons SF EA EA | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 1100 \$ 392.00 | = = = = = | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | - - - - - - - - - - - - - - - - - - - | | \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - | |
| BECTION 2 - PUBLIC IMPROVEMENTS * COADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) | | LS Tons CY SY SY SY Tons SF EA EA SF | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 11.00 \$ 392.00 \$ 17.00 | = = = = = = = | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | | | \$ | |
| BECTION 2 - PUBLIC IMPROVEMENTS * CONSTRUCTION TRAFFIC CONTROL Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphat Pavement (3" thick) Asphat Pavement (4" thick) Asphat Pavement (6" thick) Asphat Pavement (147 lbs/cf) Asphat Pavement (147 lbs/cf) Raised Median, Paved Regulatory Sign/Advisory Sign Guide/Street Name Sign Epoxy Pavement Marking Thermoplastic Pavement Marking Thermoplastic Pavement Marking | | LS Tons CY SY SY SY Tons SF EA EA EA SF SF | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 11.00 \$ 392.00 \$ 17.00 \$ 30.00 | = = = = = = = = | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | | | \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - | |
| BECTION 2 - PUBLIC IMPROVEMENTS * CONSTRUCTION TRAFFIC CONTROL Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf) Asphalt Pavement (147 lbs/cf) Asgelatory Sign/Advisory Sign Guide/Street Name Sign Epoxy Pavement Marking Thermoplastic Pavement Marking Barricade - Type 3 1 | | LS Tons CY SY SY Tons SF EA EA SF SF EA | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 11.00 \$ 392.00 \$ 392.00 \$ 30.00 \$ 259.00 | | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | | | \$ | |
| BECTION 2 - PUBLIC IMPROVEMENTS * CONSTRUCTION TRAFFIC CONTROL Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (4" thick) Asphalt Pavement (147 lbs/cf) Asphalt Pavement (147 lbs/cf) Guide/Street Name Sign Epoxy Pavement Marking Farricade - Type 3 Delineator - Type I | | LS Tons CY SY SY Tons SF EA EA SF SF EA EA EA | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 11.00 \$ 392.00 \$ 392.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 31.00 | | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | | | \$ | |
| BECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (4" thick) | | LS Tons CY SY SY Tons SF EA EA SF EA EA EA LF | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 114.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 30.00 \$ 259.00 \$ 31.00 \$ 38.00 | | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | | | \$ | |
| BECTION 2 - PUBLIC IMPROVEMENTS * COADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) | | LS Tons CY SY SY Tons SF EA EA SF EA EA EA EA LF LF | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 114.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 31.00 \$ 38.00 \$ 38.00 | | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | | | \$ | |
| BECTION 2 - PUBLIC IMPROVEMENTS * COADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) | | LS Tons CY SY SY Tons SF EA EA SF EA EA EA LF | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 114.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 30.00 \$ 259.00 \$ 31.00 \$ 38.00 | | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | | | \$ | |
| ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) | | LS Tons CY SY SY Tons SF EA EA SF EA EA EA EA LF LF | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 114.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 31.00 \$ 38.00 \$ 38.00 | | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | | | \$ | |
| BECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) | | LS Tons CY SY SY Tons SF EA EA SF EA EA EA LF LF LF | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 392.00 \$ 11.00 \$ 392.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 31.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 | | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | | | \$ | |
| ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf) _" thick Raised Median, Paved Regulatory Sign/Advisory Sign Guide/Street Name Sign Epoxy Pavement Marking Thermoplastic Pavement Marking Thermoplastic Pavement Marking Barricade - Type 3 Delineator - Type I Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type C (Ramp) 4" Sidewalk (common areas only) 5" Sidewalk 5" Sidewalk 5" Sidewalk | | LS Tons CY SY SY Tons SF EA EA SF EA EA LF LF LF LF SY | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 11.00 \$ 11.00 \$ 392.00 \$ 17.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 38.00 \$ | | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | | | \$ | |
| ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Image: Colspan="2">" thick Raised Median, Paved Egulatory Sign/Guide/Street Name Sign Guide/Street Name Sign Image: Colspan="2">" thick Barricade - Type 3 Image: Colspan="2">Delineator - Type 1 Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type C (Ramp) 4" Sidewalk (common areas only) 5" Sidewalk 6" Sidewalk | | LS Tons CY SY SY Tons SF EA EA EA EA EA LF LF LF LF SY SY | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 114.00 \$ 11.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 30.00 \$ 30.00 \$ 38.00 \$ 38. | | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | | | \$ | |
| ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) | | LS Tons CY SY SY Tons SF EA EA EA EA EA EA LF LF LF LF SY SY SY | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 114.00 \$ 114.00 \$ 1100 \$ 38.00 \$ 11.00 \$ 392.00 \$ 392.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 77.00 \$ 94.00 | | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | | | \$ | |
| ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) | | LS Tons CY SY SY SY Tons SF EA EA EA EA EA LF LF LF LF SY SY SY SY EA | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 30.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 394.00 \$ 125.00 \$ 125.00 | | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | | | \$ | |
| ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf) Asphalt Pavement (147 lbs/cf) _" thick Raised Median, Paved Regulatory Sign/Advisory Sign Guide/Street Name Sign | | LS Tons CY SY SY Tons SF EA EA EA EA EA LF LF LF SY SY SY SY EA LF | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 125.00 \$ 1425.00 \$ 1,496.00 \$ 79.00 | | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | | | \$ | |
| ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) | | LS Tons CY SY SY Tons SF EA EA EA EA EA LF LF LF SY SY SY SY EA LF LF | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 39.00 \$ 11.00 \$ 392.00 \$ 392.00 \$ 37.00 \$ 392.00 \$ 392.00 \$ 30.00 \$ 38.00 \$ 394.00 \$ 125.00 \$ 79.00 | | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | | | \$ | |
| ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Agsphalt Pavement (3" thick) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf)" thick Raised Median, Paved Regulatory Sign Guide/Street Name Sign Epoxy Pavement Marking Thermoplastic Pavement Marking Encide - Type 3 Delineator - Type 1 Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type C (Ramp) 4" sidewalk 6" Sidewalk 8" Sidewalk 8" Sidewalk 8" Sidewalk Pedestrian Ramp Cross Pan, local (8" thick, 6' wide to include return) Cross Pan, collector (9" thick, 8' wide to include return) Cross Pan, collector (9" thick, 8' wide to include return) | | LS Tons CY SY SY Tons SF EA EA EA SF EA EA LF LF LF LF SY SY SY SY EA LF LF LF LF LF LF EA | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 392.00 \$ 392.00 \$ 30.00 \$ 30.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 125.00 \$ 1496.00 \$ 1926.00 | | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | | | \$ | |
| ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf) Asphalt Pavement (6" thick) | | LS Tons CY SY SY Tons F EA EA EA EA EA LF LF LF LF SY SY SY SY SY EA LF LF LF LF LF LF | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 30.00 \$ 30.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 77.00 \$ 1496.00 \$ 1496.00 \$ 149.00 \$ 14926.00 <t< td=""><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td></td><td></td><td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td></t<> | | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | | | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | |
| ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Image: Colspan="2">"""" Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Image: Colspan="2"">"""" Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement Marking Image: Colspan="2"">""""""""""""""""""""""""""""""""" | | LS Tons CY SY SY Tons SF EA EA EA EA EA EA LF LF LF SY SY SY SY SY EA LF LF LF LF LF EA LF | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 18.00 \$ 114.00 \$ 114.00 \$ 114.00 \$ 1100 \$ 38.00 \$ 1100 \$ 392.00 \$ 392.00 \$ 30.00 \$ 30.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 125.00 \$ 125.00 \$ 1,496.00 \$ 19.00 \$ 19.26.00 \$ 19.26.00 \$ 65.00 \$ 94.00 | | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | | | \$ | |
| ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) | | LS Tons CY SY SY Tons SF EA EA EA EA EA LF LF LF LF SY SY SY SY SY EA LF LF LF LF LF LF LF EA LF LF EA | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 392.00 \$ 392.00 \$ 30.00 \$ 392.00 \$ 30.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 34.00 \$ 34.00 \$ 34.00 \$ 34.00 \$ 34.00 \$ 34.00 \$ 34.00 \$ 34.00 \$ 125.00 \$ 1,496.00 \$ 79.00 \$ 1,926.00 \$ 94.00 \$ 94.00 \$ 2,731.00 | | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | | | \$ | |
| ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) | | LS Tons CY SY SY SY EA EA EA EA EA LF LF LF SY SY SY SY SY EA LF LF LF LF LF LF EA LF LF EA EA | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 11.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 119.00 \$ 1,496.00 \$ 79.00 \$ 119.00 \$ 1,926.00 \$ 94.00 \$ 2,731.00 \$ 4,902.00 | | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | | | \$ | |
| ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) | | LS Tons CY SY SY Tons SF EA EA EA EA EA LF LF LF LF SY SY SY SY SY EA LF LF LF LF LF LF LF EA LF LF EA | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 392.00 \$ 392.00 \$ 30.00 \$ 392.00 \$ 30.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 34.00 \$ 34.00 \$ 34.00 \$ 34.00 \$ 34.00 \$ 34.00 \$ 34.00 \$ 34.00 \$ 125.00 \$ 1,496.00 \$ 79.00 \$ 1,926.00 \$ 94.00 \$ 94.00 \$ 2,731.00 | | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | | | \$ | |
| ECTION 2 - PUBLIC IMPROVEMENTS * OADWAY IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf)" thick Raised Median, Paved Regulatory Sign Gouide/Street Name Sign Epoxy Pavement Marking Delineator - Type 3 Delineator - Type 1 Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type C (Ramp) 4" Sidewalk (common areas only) 5" Sidewalk 6" Sidewalk 8" Sidewalk 8" Sidewalk (common areas only) 5" Sidewalk 6" Sidewalk 6" Sidewalk 8" Sidewalk 6" Sidewalk 9" Sidewalk 6" wide to include return) Cross Pan, local (8" thick, 6' wide to include return) Curb and Gutter, Type 3 Curb and Gutter, Type 4 6" wide to include return) Cross Pan, local (8" thick, 6' wide to include return) Cross Pan, local (8" thick, 6' wide to include return)< | | LS Tons CY SY SY SY EA EA EA EA EA LF LF LF SY SY SY SY SY EA LF LF LF LF LF LF EA LF LF EA EA | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 11.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 119.00 \$ 1,496.00 \$ 79.00 \$ 119.00 \$ 1,926.00 \$ 94.00 \$ 2,731.00 \$ 4,902.00 | | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | | | \$ - \$ - | |
| BECTION 2 - PUBLIC IMPROVEMENTS * Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) | | LS Tons CY SY SY Tons SF EA EA EA EA EA LF LF LF SY SY SY SY SY EA LF LF LF EA LF LF EA LF LF EA LF | \$ 37.00 \$ 66.00 \$ 18.00 \$ 25.00 \$ 38.00 \$ 114.00 \$ 392.00 \$ 392.00 \$ 392.00 \$ 30.00 \$ 31.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 38.00 \$ 94.00 \$ 14.96.00 \$ 79.00 \$ 1.926.00 \$ 94.00 \$ 2.731.00 \$ 4.902.00 | | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | | | \$ | |

| | | PROJECT : | | ON | | | | | | |
|--|----------|-----------|--------------|----|--------------|-------------------------|-----------------------------------|--|--|--|
| Grandview Reserve Onsite Sanitary Sewer | <u> </u> | | 6/12/2024 | | | | | | | |
| Project Name | | | Date | | PCD File No. | | | | | |
| | | | | | | (| | | | |
| Description | Quantity | Units | Unit Cost | | Total | (with Pre % Complete | e-Plat Construction) Remaining | | | |
| | | | | = | \$- | | \$ - | | | |
| [insert items not listed but part of construction plans] | | | | = | \$ - | | \$- | | | |
| STORM DRAIN IMPROVEMENTS | | | | | | | | | | |
| Concrete Box Culvert (M Standard), Size (W x H) | | LF | | = | \$ - | | \$- | | | |
| 18" Reinforced Concrete Pipe | | LF | \$ 82.00 | = | \$ - | | \$- | | | |
| 24" Reinforced Concrete Pipe | | LF | \$ 98.00 | = | \$ - | | \$- | | | |
| 30" Reinforced Concrete Pipe | | LF | \$ 123.00 | = | \$ - | | \$ - | | | |
| 36" Reinforced Concrete Pipe | | LF | \$ 151.00 | = | \$ - | | \$- | | | |
| 42" Reinforced Concrete Pipe | | LF | \$ 201.00 | = | \$ - | | \$ - | | | |
| 48" Reinforced Concrete Pipe | | LF | \$ 245.00 | = | \$ - | | \$ - | | | |
| 54" Reinforced Concrete Pipe | | LF | \$ 320.00 | = | \$ - | | \$ - | | | |
| 60" Reinforced Concrete Pipe | | LF | \$ 374.00 | = | \$ - | | \$ - | | | |
| 66" Reinforced Concrete Pipe | | LF | \$ 433.00 | = | \$ - | | \$- | | | |
| 72" Reinforced Concrete Pipe | | LF | \$ 495.00 | = | \$ - | | \$ - | | | |
| 18" Corrugated Steel Pipe | | LF | \$ 105.00 | = | \$ - | | \$ - | | | |
| 24" Corrugated Steel Pipe | | LF | \$ 121.00 | = | \$ - | | \$ - | | | |
| 30" Corrugated Steel Pipe | | LF | \$ 154.00 | = | \$ - | | \$ - | | | |
| 36" Corrugated Steel Pipe | | LF | \$ 184.00 | = | \$ - | | \$ - | | | |
| 42" Corrugated Steel Pipe | | LF | \$ 212.00 | = | \$ - | | \$- | | | |
| 48" Corrugated Steel Pipe | | LF | \$ 223.00 | = | \$ - | | \$- | | | |
| 54" Corrugated Steel Pipe | | LF | \$ 327.00 | = | \$ - | | \$- | | | |
| 60" Corrugated Steel Pipe | | LF | \$ 353.00 | = | \$ - | | \$- | | | |
| 66" Corrugated Steel Pipe | | LF | \$ 427.00 | = | \$ - | | \$- | | | |
| 72" Corrugated Steel Pipe | | LF | \$ 502.00 | = | \$ - | | \$- | | | |
| 78" Corrugated Steel Pipe | | LF | \$ 578.00 | = | \$ - | | \$- | | | |
| 84" Corrugated Steel Pipe | | LF | \$ 691.00 | = | \$ - | | \$ - | | | |
| Flared End Section (FES) RCP Size = | | | | = | \$ - | | \$ - | | | |
| (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP Size = | | EA | | - | - P | | | | | |
| (unit cost = 6x pipe unit cost) | | EA | | = | \$ - | | \$ - | | | |
| End Treatment- Headwall | | EA | | = | \$ - | | \$- | | | |
| End Treatment- Wingwall | | EA | | = | \$ - | | \$- | | | |
| End Treatment - Cutoff Wall | | EA | | = | \$ - | | \$ - | | | |
| Curb Inlet (Type R) L=5', Depth < 5' | | EA | \$ 7,212.00 | = | \$ - | | \$- | | | |
| Curb Inlet (Type R) L=5', 5' ≤ Depth < 10' | | EA | \$ 9,377.00 | = | \$ - | | \$- | | | |
| Curb Inlet (Type R) L =5', $10' \le \text{Depth} < 15'$ | | EA | \$ 10,859.00 | = | \$ - | | \$ - | | | |
| Curb Inlet (Type R) L =10', Depth $< 5'$ | | EA | \$ 9,925.00 | _ | \$ - | | \$- | | | |
| Curb Inlet (Type R) L =10', $5' \le \text{Depth} < 10'$ | | EA | \$ 10,230.00 | _ | \$ - | | \$- | | | |
| Curb Inlet (Type R) L =10', $10' \le Depth < 15'$ | | EA | \$ 12,805.00 | = | \$ - | | \$ - | | | |
| Curb Inlet (Type R) L =15', Depth $< 5'$ | | EA | \$ 12,907.00 | = | \$ - | | \$ - | | | |
| Curb Inlet (Type R) L =15', $5' \le \text{Depth} < 10'$ | | EA | \$ 13,835.00 | = | \$ - | | - \$- | | | |
| Curb Inlet (Type R) L =15', $10' \le \text{Depth} < 15'$ | | EA | \$ 15,130.00 | = | \$ - | | \$ - | | | |
| Curb Inlet (Type R) L =20', Depth $< 5'$ | | EA | \$ 13,755.00 | = | \$ - | | \$ - | | | |
| Curb Inlet (Type R) L = $20'$, $5' \le \text{Depth} < 10'$ | | EA | \$ 15,181.00 | = | \$ - | | \$ - | | | |
| Grated Inlet (Type C), Depth < 5' | | EA | \$ 6,037.00 | | \$ - | | э s - | | | |
| Grated Inlet (Type D), Depth < 5' | | EA | \$ 7,458.00 | = | \$ - | | \$ - \$ | | | |
| Storm Sewer Manhole, Box Base | | EA | \$ 7,438.00 | _ | \$ - | | \$ - | | | |
| Storm Sewer Manhole, Slab Base | | EA | \$ 8,322.00 | = | \$ - | | \$ - | | | |
| Geotextile (Erosion Control) | | SY | \$ 9.00 | = | \$ - | | \$ - | | | |
| Rip Rap, d50 size from 6" to 24" | | Tons | \$ 104.00 | = | \$ - | | \$ - | | | |
| Rip Rap, Grouted | | Tons | \$ 104.00 | = | \$ - | | \$ - | | | |
| Drainage Channel Construction, Size (W x H) | | LF | φ 124.00 | = | \$ - | | \$ - | | | |
| Drainage Channel Lining, Concrete | | CY | \$ 741.00 | = | \$ - | | \$ - | | | |
| Drainage Channel Lining, Rip Rap | | CY | \$ 145.00 | = | \$ - | | \$ - | | | |
| Drainage Channel Lining, Rip Rap Drainage Channel Lining, Grass | | AC | \$ 1,911.00 | = | \$ - \$ - | | \$ - \$ - | | | |
| Drainage Channel Lining, Grass | | AU | Ş 1,911.00 | = | \$ - | | | | | |
| Dramaye Charmer Linning, Other Stabilization | | | | = | \$ - \$ - | | \$- \$- | | | |
| [insert items not listed but part of construction plans] | | | | | | | | | | |
| [Insert items not listed but part of construction plans] * - Subject to defect warranty financial assurance. A minimum of 20% shall | | | | = | \$ - | | \$- | | | |
| | | | | | | | | | | |

| | P | ROJECT | INFORMATI | ON | | | | |
|---|-----------------------|----------------|----------------------------|----------|----------|------------------------------|--------------|-----------|
| Grandview Reserve Onsite Sanitary Sewer | | | 6/12/2024 | | | | | |
| Project Name | | | | | | | PCD File No. | |
| | | | | | | | | |
| | | Unit | | | | (with Pre-Plat Construction) | | |
| Description | Quantity | Units | Cost | | | Total | % Complete | Remaining |
| SECTION 3 - COMMON DEVELOPMENT IMF | ROVEMENTS (Pri | vate or D | istrict and N | IOT Mair | ntained | by EPC)** | | |
| ROADWAY IMPROVEMENTS | | | | | | | | |
| | | | | = | \$ | - | 4 | |
| | | | | = | \$ | - | 4 | |
| | | | | = | \$ | - | 4 | |
| | | | | = | \$ | - | 4 | |
| | | | | = | \$ | - | 4 | |
| | | | | = | \$ | - | 4 | |
| STORM DRAIN IMPROVEMENTS (Exc | eption: Permanent Pon | d/BMP shall | be itemized und | | | | | |
| | | | | = | \$ | - | 4 | |
| | | | | = | \$ | - | 4 | |
| | | | | = | \$ | - | 4 | |
| | | | | = | \$ | - | 4 | |
| | | | | = | \$ | - | 4 | |
| | | | | = | \$ | - | 4 | ; - |
| | | LF | Ć 04.00 | | | | | |
| Water Main Pipe (PVC), Size 8" Water Main Pipe (Ductile Iron), Size 8" | | LF | \$ 84.00 \$ 98.00 | = | \$ | - | 4 | |
| Gate Valves, 8" | | EA | | = | \$ | | 4 | |
| Fire Hydrant Assembly, w/ all valves | | EA | \$ 2,418.00 \$ 8,584.00 | = | \$ | | 4 | |
| Water Service Line Installation, inc. tap and valves | | EA | \$ 8,584.00 | = | \$ | | 4 | |
| Fire Cistern Installation, complete | | EA | \$ 1,725.00 | = | \$ \$ | | 4 | |
| File Cistern Installation, complete | | EA | | = | \$ | | 4 | |
| [insert items not listed but part of construction plans] | | | | = | ⇒ \$ | | 4 | |
| SANITARY SEWER IMPROVEMENTS | | | | _ | P. | | 4 | - |
| Sewer Main Pipe (PVC), Size 8" | 1744 | LF | \$ 84.00 | = | \$ | 146,454.00 | 4 | 146,454.0 |
| Sanitary Sewer Manhole, Depth < 15 feet | 11 | EA | \$ 5,708.00 | = | \$ | 62,788.00 | 4 | , |
| Sanitary Service Line Installation, complete | | EA | \$ 1,825.00 | = | \$ | - | 4 | |
| Sewer Main Pipe (PVC), Size 12" | 1901 | LF | \$ 106.00 | = | \$ | 201,548.40 | 4 | |
| Sanitary Sewer Manhole, Depth 15 to 25 feet | 6 | EA | \$ 24,000.00 | | \$ | 144,000.00 | 4 | |
| Sanitary Sewer Manhole, Depth 25 to 35 feet | | EA | \$ 35,000.00 | = | \$ | - | 4 | |
| Sewer Main Pipe (PVC), Size 10" | 1727 | LF | \$ 90.00 | = | \$ | 155,385.00 | 4 | |
| ANDSCAPING IMPROVEMENTS | (For subdivision spe | cific conditio | n of approval, or | PUD) | | , | | |
| | | EA | | = | \$ | - | 4 | - |
| | | EA | | = | \$ | - | 4 | |
| | | EA | | = | \$ | - | 4 | |
| | | EA | | = | \$ | - | 4 | - |
| | | EA | | = | \$ | - | 4 | |

| | | PROJECT I | NFORMATIC | N | | | | | | | |
|--|---------------------------------------|------------------|---------------------|------------|-------------|---|------------------|-------|---------------|--|--|
| Grandview Reserve Onsite Sanitary Sewer | serve Onsite Sanitary Sewer 6/12/2024 | | | | | | | | | | |
| Project Name | | Date | | | | | PCD File No. | | | | |
| · | | | Unit | | | | (with Dr | Diat | Construction) | | |
| Description | Quantity | Units | Cost | | | Total | % Complete | r iai | Remaining | | |
| ** - Section 3 is not subject to defect warranty requirements | Quantity | | n 3 Subtotal | = | \$ | 710,175.40 | | \$ | 710,175.40 | | |
| | | | | | | | | | | | |
| AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs) | | | | = | \$ | - | _ | \$ | - | | |
| POND/BMP CERTIFICATION (inc. elevations and volume calculations) | | | | = | \$ | - | | \$ | - | | |
| | | | (Sum of all sec | | | truction Financia as-builts and pond/B | | | 737,630.80 | | |
| | Total Remain | ning Constr | uction Finan | cial Ass | urance | (with Pre-Plat C | construction) | \$ | 737,630.80 | | |
| | (Sum of all | l section totals | less credit for ite | ms comp | lete plus | as-builts and pond/B | MP certification |) | | | |
| | | | | Total D | efect W | arranty Financia | al Assurance | \$ | 3,591.64 | | |
| | (2 | 20% of all item | s identified as (*) | . To be co | ollateraliz | ed at time of prelimir | nary acceptance |) | | | |
| | | | | | | | | | | | |
| Approvals | | | | | | | | | | | |
| | | | | | | | | | | | |

I hereby certify that this is an accurate and complete estimate of costs for the work as shown on the Grading and Erosion Control Plan and Construction Drawings associated with the Project.

| Engineer (P.E. Seal Required) | |
|---|------|
| | |
| Approved by Owner / Applicant | Date |
| | |
| Approved by El Paso County Engineer / ECM Administrator | Date |

Onsite Sanitary

- According to the MHFD Bid pricing data, a 15" sanitary sewer pipe was \$110/LF for a project in 2017, the following assumptions were made:
 - 10" PVC Sanitary Sewer Pipe at \$90/LF (Decreased to account for smaller pipe size and then increased to account for inflation)
 - 12" PVC Sanitary Sewer Pipe at \$106/LF (Decreased to account for smaller pipe size and then increased to account for inflation)
- According to the MHFD Bid pricing data, a "Sanitary Sewer Manhole, Depth 25 feet" in 2019 for \$20,000/EACH the following assumption was made:
 - "Sanitary Sewer Manhole, Depth 15 25 feet" is \$24,000/EACH (Increased by 20% to consider inflation)