



Details: Joint separation, physical damage, and corrosion is present in each pipe.



Details:

Three (3) 84" metal pipes



| Project: | 120 Shoal Creek Road | Page |
|----------|----------------------|------|
| Date: | July 18, 2018 | 1 |

| Canaral In | farmatian | Mon |
|--|---|--|
| General In | TOTMATION | Map |
| Project ID | 420 Shaal Orgali Dil | / |
| Street Name | 120 Shoal Creek Rd. | |
| Site Visit Date | 5/21/13 Internal Local | *5 |
| Road Classification Project | | |
| Rural Typical Section | inotes | Signature of Rd |
| Field I | Notes | |
| Design (Existing | g Site Features) | Shoal Creek |
| Existing Road Laneage | 2-10' | -Way |
| Existing Shld Width (paved and g | | Carrotte Way |
| Existing Side Slopes | 2:1 | Dama Dr. |
| Existing Guardrail | None None | |
| Depth fm Pavement to Top of Cu Pipe Type and Size | 3-96" CMP | Pastwood D |
| Pipe Condition (1-5) (1 is new) | 3-96° CIVIP | |
| Condition Notes: |] 3 | |
| Pavement Type/Condition | Asphalt/Good | |
| . 270 mont Typoroonamon | AspiiaivGood | Stage Construction Options |
| Environmen | tal Features | Close Location to Traffic |
| Wetlands | Yes | Maintain One Lane - No Temp Pavement X |
| Ditches | None | Maintain One Lane - Temp Pavement |
| Contrib. Stream (2) | | Stage Construction Notes: |
| | | |
| Utilities (Visua | | |
| Electric | Aerial | |
| Cable | Buried | |
| Phone | Aerial | |
| Gas Water | None None | |
| Sewer | None | |
| | None | |
| Other | Propose | L I ed Design |
| Roadway Section | Replace in kind | eu Design |
| Proposed Design | Triple 8' x 8' box culvert | |
| Utility Relocations | Telephone and Cable | |
| Guardrail Replacement | Guardrail may be needed based of | |
| Miscellaneous Features | Zone A, Floodplain Analysis Requ | iired |
| | | |
| | 5 | Part Fathwata |
| Towns | | Cost Estimate |
| Type | Notes Includes 10% Construction Co | |
| Design Right of Way Cost | Assuming project extends 3 | |
| Utility Relocation Cost | Assuming project extends a Buried phone a | |
| Construction Cost | 1/3 acre clearing and gr | |
| Environmental Permits | Permits, Zone A Floo | |
| Liivii Oiiiileiitai Feiiiits | 1 Citilles, Zone A Flot | σαπαγ / πιαιγοίο ψ10,000 |
| | Total P | lanning Estimate \$380,630.36 |
| | | |







Photo 1:



Photo 2:

Photo Date:

5/21/2013

Taken By:

David King

Page:

1





Photo 3:

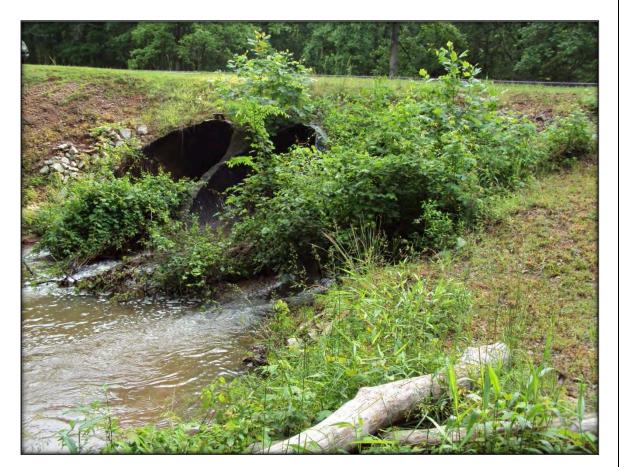


Photo 4:

Photo Date:

5/21/2013

Taken By:

David King

Page:

2

| | | • | | | | _ | |
|---|--|--|--|--|---|--|--|
| Roadway Construction | Removal Unit | | Installation Unit Co | | mount | | otal Cost |
| Pavement (SF) | \$ | 0.73 | | | ,040.00 | \$ | 5,829.55 |
| Curb and Gutter (LF) | \$ | 28.56 | | .60 | 0.00 | \$ | - |
| Drain Inlet (EA) | _ | | \$ 3,000 | | 0.00 | | - |
| 4" Sidewalk (SY) | | 13.56 | | .90 | 0.00 | | - |
| Guardrail (LF) | \$ | 4.88 | | .09 | 104.00 | | 5,613.50 |
| End Anchorage (EA) | | | \$ 1,380 | .00 | 4.00 | | 5,520.00 |
| Subtotal | | | | | | \$ | 16,963.05 |
| | | | | | | | |
| Grading Complete (5% of Rwy Items & Drng Total \$) | | | | | | \$ | 11,996.39 |
| | | | | | | | |
| Roadway Total | | | | | | \$ | 28,959.44 |
| 2 | D | ^ | 1 | | | _ | |
| Drainage | Removal Unit | Cost | Installation Unit Co | | mount | | otal Cost |
| Trench Excavation (CY) | • | 00.00 | \$ 10 | .38 | 755.56 | \$ | 7,842.67 |
| 96" CMP (LF) | \$ | 63.00 | Φ 455 | | 70.00 | | 13,230.00 |
| 96" RCP | | | \$ 455 \$ 892 | | 0.00 | | 164,929.87 |
| Class A Conc (CY) Steel (lb) | | | | | | | 28,237.87 |
| Pipe Bedding (CY) | | | | .60 | 50.10 | | 2,434.86 |
| Trench Backfill (CY) | | | | .99 | 778.79 | | 2,327.02 |
| Trench Compaction (CY) | | | | .36 | 623.03 | | 3,962.48 |
| Treneri Compaction (CT) | | | Ψ | .50 | 020.00 | Ψ | 3,302.40 |
| Drainage Total | | | | | | \$2 | 222,964.77 |
| Drainago Fotal | | | | | | Ψ. | , |
| Signing and Marking | | | Installation Unit Co | st A | mount | To | otal Cost |
| Permanent Striping (LF) | | | | .71 | 0.00 | \$ | - |
| Tomation outputg (2.) | | | • | | 0.00 | Ψ | |
| Signing and Marking Total | | | | | | \$ | - |
| gg | | | | | | _ | |
| Staging | | | Installation Unit Co | st A | mount | To | otal Cost |
| Clearing and Grubbing (Acre) | | | \$ 10,260 | .00 | 0.33 | \$ | 3,385.80 |
| Temporary Pavement | | | | | | \$ | - |
| Temporary Drainage (Stream Diversion) | | | \$ 4,428 | .00 | 2.00 | \$ | 8,856.00 |
| | | | | | | | |
| Staging Total | | | | | | \$ | 12,241.80 |
| | | | | | | | |
| | | | | | | | |
| Erosion Control | | | Installation Unit Co | st A | mount | To | otal Cost |
| Fine Grading and Seeding (SY) | | | \$ 4 | .39 | 86.67 | \$ | 380.64 |
| Temporary Grassing (AC) | | | \$ 855 | .60 | 0.00 | \$ | - |
| Type C Silt Fence (LF) | | | \$ 4 | .24 | E00 00 | • | 2 110 00 |
| | | | Ψ 7 | .24 | 500.00 | \$ | 2,118.00 |
| Check Dam Type C Silt Fence (LF) | | | | .79 | 500.00 | | 3,396.00 |
| | | | \$ 6 \$ 1 | | | \$ | |
| Check Dam Type C Silt Fence (LF) | | | \$ 6 \$ 1 \$ 3 | .79 | 500.00 | \$ | 3,396.00 |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) | | | \$ 66 \$ 1 \$ 3 \$ 1,402 | .79 .87 .58 .20 | 500.00 166.67 166.67 0.00 | \$ \$ \$ | 3,396.00 312.00 |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) | | | \$ 66 \$ 1 \$ 3 \$ 1,402 \$ 60 | .79 .87 .58 .20 | 500.00 166.67 166.67 0.00 69.33 | \$ \$ \$ \$ | 3,396.00 312.00 596.00 - 4,228.22 |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) | | | \$ 66 \$ 1,402 \$ 60 \$ 5 | .79 .87 .58 .20 .98 | 500.00 166.67 166.67 0.00 69.33 69.33 | \$ \$ \$ \$ \$ | 3,396.00 312.00 596.00 |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) | | | \$ 66 \$ 1,402 \$ 60 \$ 5 | .79 .87 .58 .20 | 500.00 166.67 166.67 0.00 69.33 | \$ \$ \$ \$ \$ | 3,396.00 312.00 596.00 - 4,228.22 |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) | | | \$ 66 \$ 1,402 \$ 60 \$ 5 | .79 .87 .58 .20 .98 | 500.00 166.67 166.67 0.00 69.33 69.33 | \$ \$ \$ \$ \$ \$ \$ | 3,396.00 312.00 596.00 - 4,228.22 396.86 |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) | | | \$ 66 \$ 1,402 \$ 60 \$ 5 | .79 .87 .58 .20 .98 | 500.00 166.67 166.67 0.00 69.33 69.33 | \$ \$ \$ \$ \$ \$ \$ | 3,396.00 312.00 596.00 - 4,228.22 |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total | | | \$ 66 \$ 1,402 \$ 60 \$ 5 | .79 .87 .58 .20 .98 | 500.00 166.67 166.67 0.00 69.33 69.33 | \$ \$ \$ \$ \$ \$ \$ \$ | 3,396.00 312.00 596.00 - 4,228.22 396.86 - 11,427.73 |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) | | | \$ 66 \$ 1,402 \$ 60 \$ 5 | .79 .87 .58 .20 .98 | 500.00 166.67 166.67 0.00 69.33 69.33 | \$ \$ \$ \$ \$ \$ \$ \$ | 3,396.00 312.00 596.00 - 4,228.22 396.86 |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total | | | \$ 66 \$ 1,402 \$ 60 \$ 5 | .79 .87 .58 .20 .98 | 500.00 166.67 166.67 0.00 69.33 69.33 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 3,396.00 312.00 596.00 4,228.22 396.86 - 11,427.73 275,593.74 |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total | | | \$ 66 \$ 1,402 \$ 60 \$ 5 | .79 .87 .58 .20 .98 | 500.00 166.67 166.67 0.00 69.33 69.33 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 3,396.00 312.00 596.00 - 4,228.22 396.86 - 11,427.73 |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) | | | \$ 66 \$ 1,402 \$ 60 \$ 5 | .79 .87 .58 .20 .98 | 500.00 166.67 166.67 0.00 69.33 69.33 | \$ \$ \$ \$ \$ \$ \$ \$ \$ | 3,396.00 312.00 596.00 - 4,228.22 396.86 - 11,427.73 275,593.74 |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total | | | \$ 66 \$ 1,402 \$ 60 \$ 5 | .79 .87 .58 .20 .98 | 500.00 166.67 166.67 0.00 69.33 69.33 | \$ \$ \$ \$ \$ \$ \$ \$ \$ | 3,396.00 312.00 596.00 4,228.22 396.86 - 11,427.73 275,593.74 |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) | Removal Unit | Cost | \$ 66 \$ 1,402 \$ 60 \$ 5 | 2.79 .87 .58 .20 .98 .72 .65 | 500.00 166.67 166.67 0.00 69.33 69.33 | \$ | 3,396.00 312.00 596.00 4,228.22 396.86 - 11,427.73 275,593.74 |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total | | Cost | \$ 66 \$ 1 \$ 3 \$ 1,402 \$ 60 \$ 5 \$ 54 | 2.79 .87 .58 .20 .98 .72 .65 | 500.00 166.67 166.67 0.00 69.33 69.33 0.00 | \$ | 3,396.00 312.00 596.00 4,228.22 396.86 - 11,427.73 275,593.74 22,047.50 297,641.24 |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation | \$ | Cost 11.00 | \$ 66 \$ 1 \$ 3 \$ 1,402 \$ 600 \$ 5 \$ 54 | 2.79 .87 .58 .20 .98 .72 .65 | 500.00 166.67 166.67 0.00 69.33 69.33 0.00 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 3,396.00 312.00 596.00 4,228.22 396.86 - 11,427.73 275,593.74 22,047.50 297,641.24 |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation Electric | \$ \$ | | \$ 66 \$ 1 \$ 3 \$ 1,402 \$ 60 \$ 5 \$ 54 | 3.79 .87 .58 .20 .98 .72 .65 | 500.00 166.67 166.67 0.00 69.33 69.33 0.00 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 3,396.00 312.00 596.00 4,228.22 396.86 - 11,427.73 275,593.74 22,047.50 297,641.24 |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation Electric Aerial | \$ \$ | 11.00 | \$ 66 \$ 1 \$ 3 \$ 1,402 \$ 600 \$ 5 \$ 54 | 2.79 .87 .58 .20 .98 .72 .65 | 500.00 166.67 166.67 0.00 69.33 0.00 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 3,396.00 312.00 596.00 4,228.22 396.86 - 11,427.73 275,593.74 22,047.50 297,641.24 |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation Electric Aerial Buried | \$ \$ | 11.00 16.50 | \$ 66 \$ 1 \$ 3 \$ 1,402 \$ 60 \$ 5 \$ 54 | 2.79 .87 .58 .20 .98 .72 .65 | 500.00 166.67 166.67 0.00 69.33 0.00 mount | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 3,396.00 312.00 596.00 4,228.22 396.86 - 11,427.73 275,593.74 22,047.50 297,641.24 |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial | \$ \$ \$ | 11.00 16.50 82.50 | \$ 66 \$ 1 \$ 3 \$ 1,402 \$ 600 \$ 5 \$ 54 Installation Unit Co \$ 55 \$ 82 \$ 605 | 2.79 .87 .58 .20 .98 .72 .65 | 500.00 166.67 166.67 0.00 69.33 0.00 mount 0.00 0.00 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 3,396.00 312.00 596.00 4,228.22 396.86 - 11,427.73 275,593.74 22,047.50 297,641.24 |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Buried | \$ \$ \$ \$ | 11.00 16.50 82.50 11.00 16.50 | \$ 66 \$ 1 \$ 33 \$ 1,402 \$ 600 \$ 55 \$ 54 | 3.79 .87 .58 .20 .98 .72 .65 .65 .00 .50 .00 | 500.00 166.67 166.67 0.00 69.33 0.00 mount | \$ | 3,396.00 312.00 596.00 4,228.22 396.86 - 11,427.73 275,593.74 22,047.50 297,641.24 |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Wooden Pole Wooden Pole | \$ \$ \$ \$ | 11.00 16.50 82.50 | \$ 66 \$ 1 \$ 33 \$ 1,402 \$ 600 \$ 55 \$ 54 | st A | 500.00 166.67 166.67 0.00 69.33 0.00 mount 0.00 0.00 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 3,396.00 312.00 596.00 4,228.22 396.86 - 11,427.73 2275,593.74 22,047.50 297,641.24 otal Cost |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable | \$ \$ \$ \$ \$ | 11.00 16.50 82.50 11.00 16.50 82.50 | \$ 66 \$ 1 \$ 3 \$ 1,402 \$ 600 \$ 5 \$ 54 Installation Unit Co \$ 55 \$ 82 \$ 605 \$ 55 \$ 605 | 3.79 .87 .58 .20 .98 .72 .65 .65 .00 .50 .00 .00 | 500.00 166.67 166.67 0.00 69.33 0.00 mount 0.00 0.00 | \$\$\$\$\$\$\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 3,396.00 312.00 596.00 4,228.22 396.86 - 11,427.73 2275,593.74 22,047.50 297,641.24 otal Cost |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Aerial | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 11.00 16.50 82.50 11.00 16.50 82.50 | \$ 66 \$ 1 \$ 3 \$ 1,402 \$ 60 \$ 5 \$ 54 Installation Unit Co \$ 55 \$ 82 \$ 605 \$ 55 \$ 605 | st A .00 .50 .00 .50 .00 | 500.00 166.67 166.67 0.00 69.33 69.33 0.00 mount 0.00 0.00 75.00 | \$\$\$\$\$\$\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 3,396.00 312.00 596.00 4,228.22 396.86 - 11,427.73 275,593.74 22,047.50 297,641.24 otal Cost |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 11.00 16.50 82.50 11.00 16.50 82.50 11.00 16.50 | \$ 66 \$ 1 \$ 3 \$ 1,402 \$ 600 \$ 5 \$ 54 Installation Unit Co \$ 55 \$ 82 \$ 605 \$ 55 \$ 605 \$ 55 \$ 55 \$ 55 \$ 55 | 3.79 .87 .58 .20 .98 .72 .65 .65 | 500.00 166.67 166.67 0.00 69.33 0.00 mount 0.00 0.00 | \$ | 3,396.00 312.00 596.00 4,228.22 396.86 - 11,427.73 2275,593.74 22,047.50 297,641.24 otal Cost |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 11.00 16.50 82.50 11.00 16.50 82.50 | \$ 66 \$ 1 \$ 3 \$ 1,402 \$ 60 \$ 5 \$ 54 Installation Unit Co \$ 55 \$ 82 \$ 605 \$ 55 \$ 605 | 3.79 .87 .58 .20 .98 .72 .65 .65 | 500.00 166.67 166.67 0.00 69.33 69.33 0.00 mount 0.00 0.00 75.00 | \$\$\$\$\$\$\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 3,396.00 312.00 596.00 4,228.22 396.86 - 11,427.73 275,593.74 22,047.50 297,641.24 otal Cost |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 11.00 16.50 82.50 11.00 16.50 82.50 11.00 16.50 82.50 | \$ 66 \$ 1 \$ 3 \$ 1,402 \$ 600 \$ 5 \$ 54 Installation Unit Co \$ 55 \$ 82 \$ 605 \$ 55 \$ 605 \$ 55 \$ 605 | st A | 500.00 166.67 166.67 0.00 69.33 69.33 0.00 mount 0.00 0.00 75.00 | \$ | 3,396.00 312.00 596.00 4,228.22 396.86 - 11,427.73 275,593.74 22,047.50 297,641.24 otal Cost |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Casle Aerial Buried Wooden Pole Casle | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 11.00 16.50 82.50 11.00 16.50 82.50 11.00 16.50 | \$ 66 \$ 1 \$ 3 \$ 1,402 \$ 600 \$ 5 \$ 54 Installation Unit Co \$ 55 \$ 82 \$ 605 \$ 55 \$ 605 \$ 55 \$ 605 | 3.79 .87 .58 .20 .98 .72 .65 .65 | 500.00 166.67 166.67 0.00 69.33 69.33 0.00 mount 0.00 0.00 75.00 | \$ | 3,396.00 312.00 596.00 4,228.22 396.86 |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 11.00 16.50 82.50 11.00 16.50 82.50 11.00 16.50 82.50 | \$ 66 \$ 1 \$ 3 \$ 1,402 \$ 600 \$ 5 \$ 54 Installation Unit Co \$ 55 \$ 82 \$ 605 \$ 55 \$ 605 \$ 605 \$ 605 | st A .00 .50 .00 .50 .00 .00 .00 | 500.00 166.67 166.67 0.00 69.33 69.33 0.00 mount 0.00 0.00 75.00 | \$ | 3,396.00 312.00 596.00 4,228.22 396.86 |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 11.00 16.50 82.50 11.00 16.50 82.50 11.00 16.50 82.50 | \$ 66 \$ 1 \$ 3 \$ 1,402 \$ 600 \$ 5 \$ 54 Installation Unit Co \$ 55 \$ 82 \$ 605 \$ 55 \$ 605 \$ 605 \$ 605 | 8.79 8.79 8.58 8.20 9.98 8.72 6.65 8.00 8.50 8.00 8.50 8.00 | 500.00 166.67 166.67 0.00 69.33 69.33 0.00 mount 0.00 0.00 75.00 | \$ | 3,396.00 312.00 596.00 4,228.22 396.86 |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main Relocate Fire Hydrant (EA) | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 11.00 16.50 82.50 11.00 16.50 82.50 11.00 16.50 82.50 | \$ 66 \$ 1 \$ 3 \$ 1,402 \$ 600 \$ 5 \$ 54 Installation Unit Co \$ 55 \$ 82 \$ 605 \$ 55 \$ 605 \$ 605 \$ 605 | 8.79 8.79 8.58 8.20 9.98 8.72 6.65 8.00 8.50 8.00 8.50 8.00 | 500.00 166.67 166.67 0.00 69.33 69.33 0.00 mount 0.00 75.00 75.00 | \$ | 3,396.00 312.00 596.00 4,228.22 396.86 |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 11.00 16.50 82.50 11.00 16.50 82.50 11.00 16.50 82.50 16.50 | \$ 66 \$ 1 \$ 3 \$ 1,402 \$ 600 \$ 5 \$ 54 Installation Unit Co \$ 55 \$ 82 \$ 605 \$ 55 \$ 605 \$ 605 \$ 605 \$ 605 \$ 605 \$ 605 | st A .00 .50 .00 .50 .00 .50 .00 .50 .00 .50 .00 | 500.00 166.67 166.67 0.00 69.33 69.33 0.00 mount 0.00 75.00 75.00 | \$ | 3,396.00 312.00 596.00 4,228.22 396.86 - 11,427.73 275,593.74 22,047.50 297,641.24 otal Cost |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main Relocate Fire Hydrant (EA) Sewer 12" main | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 11.00 16.50 82.50 11.00 16.50 82.50 11.00 16.50 82.50 | \$ 66 \$ 1 \$ 3 \$ 1,402 \$ 600 \$ 5 \$ 54 Installation Unit Co \$ 55 \$ 82 \$ 605 \$ 55 \$ 605 \$ 605 \$ 605 \$ 605 \$ 605 \$ 605 | 8.79 8.79 8.58 8.20 9.98 8.72 6.65 8.00 8.50 8.00 8.50 8.00 | 500.00 166.67 166.67 0.00 69.33 69.33 0.00 mount 0.00 75.00 75.00 | \$ | 3,396.00 312.00 596.00 4,228.22 396.86 - 11,427.73 2275,593.74 22,047.50 297,641.24 bital Cost - 5,362.50 - - 5,362.50 |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 11.00 16.50 82.50 11.00 16.50 82.50 11.00 16.50 82.50 16.50 | \$ 66 \$ 1 \$ 3 \$ 1,402 \$ 600 \$ 5 \$ 54 Installation Unit Co \$ 55 \$ 82 \$ 605 \$ 55 \$ 605 \$ 605 \$ 605 \$ 605 \$ 605 \$ 605 | st A .00 .50 .00 .50 .00 .50 .00 .50 .00 .50 .00 | 500.00 166.67 166.67 0.00 69.33 69.33 0.00 mount 0.00 75.00 75.00 | \$ | 3,396.00 312.00 596.00 4,228.22 396.86 - 11,427.73 275,593.74 22,047.50 297,641.24 otal Cost |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main Relocate Fire Hydrant (EA) Sewer 12" main Utility Relocation Total | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 11.00 16.50 82.50 11.00 16.50 82.50 11.00 16.50 82.50 16.50 | \$ 66 \$ 1 \$ 3 \$ 1,402 \$ 600 \$ 5 \$ 54 Installation Unit Co \$ 55 \$ 82 \$ 605 \$ 27 \$ 555 \$ 605 \$ 605 \$ 27 \$ 555 \$ 605 \$ 82 \$ 505 \$ 82 \$ 605 | st A 3.00 3.50 3.00 3.50 3.00 3.50 3.00 3.50 3.00 3.50 3.00 3.50 3.00 3.50 3.00 3.50 3.00 3.50 3.00 | 500.00 166.67 166.67 0.00 69.33 69.33 0.00 mount 0.00 75.00 75.00 0.00 0.00 0.00 | \$\$\$\$\$\$\$\$\$\$\$\$\$ \$ \$ \$ T \$\$\$\$ \$\$\$\$ \$\$\$\$ \$ | 3,396.00 312.00 596.00 4,228.22 396.86 - 11,427.73 275,593.74 22,047.50 297,641.24 otal Cost - - 5,362.50 - - 5,362.50 |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main Relocate Fire Hydrant (EA) Sewer 12" main Utility Relocation Total Right of Way (Sq Ft) | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 11.00 16.50 82.50 11.00 16.50 82.50 11.00 16.50 82.50 16.50 | \$ 66 \$ 1 \$ 3 \$ 1,402 \$ 600 \$ 5 \$ 54 Installation Unit Co \$ 55 \$ 82 \$ 605 \$ 27 \$ 55 \$ 605 \$ 605 \$ 27 \$ 55 \$ 605 \$ 32,609 \$ 32,609 \$ 32,609 | st A | 500.00 166.67 166.67 0.00 69.33 69.33 0.00 mount 0.00 75.00 75.00 | \$ | 3,396.00 312.00 596.00 4,228.22 396.86 |
| Check Dam Type C Silt Fence (LF) Erosion Control Mats (SY) Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total Construction Cost Total Traffic Control (8% of Construction Total \$) Construction Cost Grand Total Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main Relocate Fire Hydrant (EA) Sewer 12" main Utility Relocation Total | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 11.00 16.50 82.50 11.00 16.50 82.50 11.00 16.50 82.50 16.50 | \$ 66 \$ 1 \$ 3 \$ 1,402 \$ 600 \$ 5 \$ 54 Installation Unit Co \$ 55 \$ 82 \$ 605 \$ 27 \$ 55 \$ 605 \$ 605 \$ 27 \$ 55 \$ 605 \$ 32,609 \$ 32,609 \$ 32,609 | st A | 500.00 166.67 166.67 0.00 69.33 69.33 0.00 mount 0.00 75.00 75.00 0.00 0.00 0.00 | \$ | 3,396.00 312.00 596.00 4,228.22 396.86 - 11,427.73 275,593.74 22,047.50 297,641.24 otal Cost - - 5,362.50 - - 5,362.50 |