



## **Details:**

Stormwater pipe has joint separation and corrosion. The pipe is out of round and shows signs of failure under the road. The road side inlet is damaged.



## **Details:**

60" metal pipe

<b>FAYETTE</b>
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Project:	110 Mark Lane	Page
Date:	July 17, 2018	1

Project ID Street Name Site Visit Date Site Visit Date  Project Notes  Urban typical with Curb and Gutter  Field Notes  Design (Existing Site Features)  Existing Road Laneage Existing Shld Width (paved and grass) (feet)  Existing Side Slopes Existing Guardrail Depth fm Pavement to Top of Culvert (ft):  Size Visit Mark Lane Minor road  Minor road  Project Notes  Urban typical with Curb and Gutter  Field Notes  2 - 10' Existing Shld Width (paved and grass) (feet)  Flat Existing Guardrail None	House of the state
Site Visit Date  Road Classification  Project Notes  Urban typical with Curb and Gutter  Field Notes  Design (Existing Site Features)  Existing Road Laneage  Existing Shld Width (paved and grass) (feet)  Existing Side Slopes  Existing Guardrail  Depth fm Pavement to Top of Culvert (ft):  Simple Side Slopes  Flat  Existing Guardrail  Depth fm Pavement to Top of Culvert (ft):	Berkey Programme Dr. Johnson D
Road Classification  Project Notes  Urban typical with Curb and Gutter  Field Notes  Design (Existing Site Features)  Existing Road Laneage  Existing Shld Width (paved and grass) (feet)  Existing Side Slopes  Existing Guardrail  Depth fm Pavement to Top of Culvert (ft):  None	Berkey Programme Dr. Johnson D
Field Notes  Urban typical with Curb and Gutter  Field Notes  Design (Existing Site Features)  Existing Road Laneage  Existing Shld Width (paved and grass) (feet)  Existing Side Slopes  Existing Guardrail  Depth fm Pavement to Top of Culvert (ft):  None  Depth fm Pavement to Top of Culvert (ft):	Berkey Programme Dr. Johnson D
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Field Notes  Design (Existing Site Features)  Existing Road Laneage  Existing Shld Width (paved and grass) (feet)  Existing Side Slopes  Existing Guardrail  Depth fm Pavement to Top of Culvert (ft):  Side Slopes  Flat  Existing Guardrail  Depth fm Pavement to Top of Culvert (ft):	Bankby Pl of Joans Of
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Design (Existing Site Features)  Existing Road Laneage  Existing Shld Width (paved and grass) (feet)  Existing Side Slopes  Existing Guardrail  Depth fm Pavement to Top of Culvert (ft):  Description:	Berkhy Pl Come kV lew Tel S S S S S S S S S S S S S S S S S S S
Design (Existing Site Features)  Existing Road Laneage  Existing Shld Width (paved and grass) (feet)  Existing Side Slopes  Existing Guardrail  Depth fm Pavement to Top of Culvert (ft):  Description:	Berkhy Pl Come kV lew Tel S S S S S S S S S S S S S S S S S S S
Design (Existing Site Features)  Existing Road Laneage  Existing Shld Width (paved and grass) (feet)  Existing Side Slopes  Existing Guardrail  Depth fm Pavement to Top of Culvert (ft):  Description:	Berkky Programme Dr. John Dollar Rd. John Mark Labor Rd. John Mark Labor Rd. John Mark Labor Rd. John Mark Labor Rd. John Labo
Existing Road Laneage 2 - 10' Existing Shld Width (paved and grass) (feet) 4' Existing Side Slopes Flat Existing Guardrail None Depth fm Pavement to Top of Culvert (ft): 5	Certain Cabyley of Oak Rd
Existing Shld Width (paved and grass) (feet)  Existing Side Slopes  Existing Guardrail  Depth fm Pavement to Top of Culvert (ft):  5	Garago Da Ro
Existing Side Slopes  Existing Guardrail  Depth fm Pavement to Top of Culvert (ft):  5	Fernway Dr Bitmore Dr
Existing Guardrail  Depth fm Pavement to Top of Culvert (ft):  5	Fernway Dr Bitmore Dr
Depth fm Pavement to Top of Culvert (ft): 5	Bitmore Ur
	Bitmore Ur
Pipe Type and Size 60" CMP	Bitmore Ur
Pipe Condition (1-5) (1 is new)	Bitmore Ur
Condition Notes: Not straight, joint damage; downstream sediment	the last of
(4/Q) of andiment (Q) length)	
Name of the second	
Pavement Type/Condition Asphalt/Good	1 Housemental
Topinal Cook	Stage Construction Options
Environmental Features Close Location to	
	ne - No Temp Pavement X
Ditches None Maintain One Lar	ne - Temp Pavement
Stage Constructio	
Utilities (Visual Inspection)	
Electric Buried	
Cable Buried	
Phone Buried	
Gas	
Water Buried	
Sewer	
Other	
Proposed Design	
Roadway Section	
Culvert Size & Material Double 6x4' box, concrete, 90'	
Culvert Size & Material	
Utility Relocations Electric, cable, phone, water	
,	
Guardrail Replacement	
Miscellaneous Features	
miscenaneous realures	
Planning Cost Estimate	
Type Notes	Total
Design Includes 10% Construction Cost and surveying nee	
Right of Way Cost Assuming project extends 4,000 sf beyond ROW	
Utility Relocation Cost Buried utilities	\$17,600
Construction Cost Assuming 1/10 acre clearing and grubbing	\$175,397
Environmental Permits Assuming minimal environmental permitting require	
	, , , , , , , , , , , , , , , , , , ,
Total Planning Estin	nate \$249,037
Total Flaming Estin	



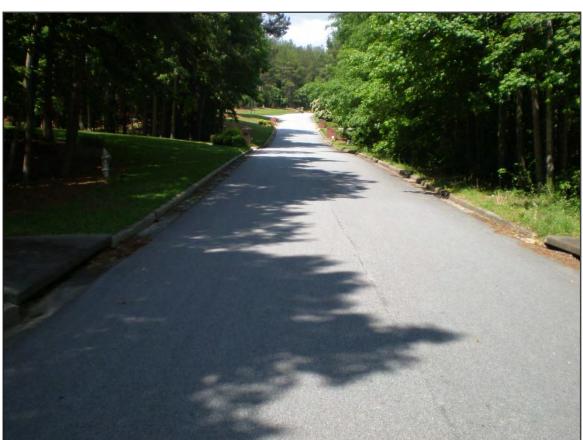




Photo 1:



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:

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Roadway Construction Pavement (SF) Curb and Gutter (LF) Drain Inlet (EA) 4" Sidewalk (SY) Guardrail (LF) End Anchorage (EA) Subtotal  Grading Complete (5% of Rwy Items & Drng Total \$)  Roadway Total  Drainage Trench Excavation (CY) 60" CMP (LF) 60" RCP Class A Conc (CY) Steel (lb)	Removal Unit \$ \$ \$ Removal Unit	0.73 28.56 13.56 4.88		Amount 513.33 90.00 0.00 107.46 11,682.00	\$ 3,312.96 \$ 6,000.00 \$ - \$ - \$ 10,882.45 \$ 7,106.65 \$ 17,989.10 Total Cost \$ 5,328.40 \$ 6,642.00 \$ - \$ 95,874.52 \$ 16,541.71
Pipe Bedding (CY) Trench Backfill (CY) Trench Compaction (CY)			\$ 48.60 \$ 2.99 \$ 6.36	562.86	\$ 1,681.81 \$ 2,863.81
Drainage Total					\$ 131,250.48
Signing and Marking Permanent Striping (LF)			\$ 0.71	Amount 56.00	Total Cost \$ 39.65
Signing and Marking Total					\$ 39.65
Staging Clearing and Grubbing (Acre) Temporary Pavement Temporary Drainage (Stream Diversion)			Installation Unit Cost \$ 10,260.00 \$ 4,428.00		Total Cost \$ 1,026.00 \$ - \$ 4,428.00
Temporary Dramage (Stream Diversion)			Ψ 4,420.00	1.00	Ψ 4,420.00
Staging Total					\$ 5,533.30
Erosion Control Fine Grading and Seeding (SY) Temporary Grassing (AC) Type C Silt Fence (LF) 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)			Installation Unit Cost	0.00 360.00 360.00 120.00 120.00 0.00 37.33 2.37.33	\$ 1,524.96 \$ 2,445.12 \$ 224.64 \$ 429.12 \$ - \$ 2,276.74 \$ 213.70
Erosion Control Total					\$ 7,592.51
Construction Cost Total					\$162,405.03
Traffic Control (8% of Construction Total \$)					\$ 12,992.40
Construction Cost Grand Total					\$ 175,397.43
Utility Relocation Electric Aerial Buried	Removal Unit	11.00 16.50	\$ 55.00 \$ 82.50	50.00	
Wooden Pole Phone Aerial Buried Wooden Pole	\$ \$ \$	82.50 11.00 16.50 82.50	\$ 605.00 \$ 27.50 \$ 55.00 \$ 605.00	50.00	\$ - \$ - \$ 3,575.00 \$ -
Cable Aerial Buried Wooden Pole	\$ \$ \$	11.00 16.50 82.50	\$ 27.50 \$ 55.00 \$ 605.00	50.00	\$ - \$ 3,575.00 \$ -
Gas 4" main Water	\$	16.50	\$ 66.00	)	\$ -
Relocate Fire Hydrant (EA) Sewer	\$	16.50	\$ 93.50 \$ 2,609.22		\$ 5,500.00 \$ -
12" main Utility Relocation Total	\$	16.50	\$ 82.50		\$ - \$ 17,600.00
Right of Way (Sq Ft) Permanent Easement ROW Total			Cost/ Sq Ft \$ 4.00	Sq Ft 4,000.00	Total Cost \$ 16,000.00 \$ 16,000.00