

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
TIA PROJECT CONCEPT REPORT**



Project Type: <u>TIA - Widening</u>	P.I. Number: <u>0008519</u>
GDOT District: <u>2</u>	County: <u>Jenkins</u>
Federal Route Number: <u>N/A</u>	MPO ID Number: <u>N/A</u>
State Route Number: <u>67</u>	

*Project to widen SR 67 from 2 lanes to 3 lanes undivided to provide a continuous left turn lane from Old Sylvania Road to Industrial Park Road. Typical section includes proposed curb and gutter and 5' sidewalk.*

**Submitted for approval:**

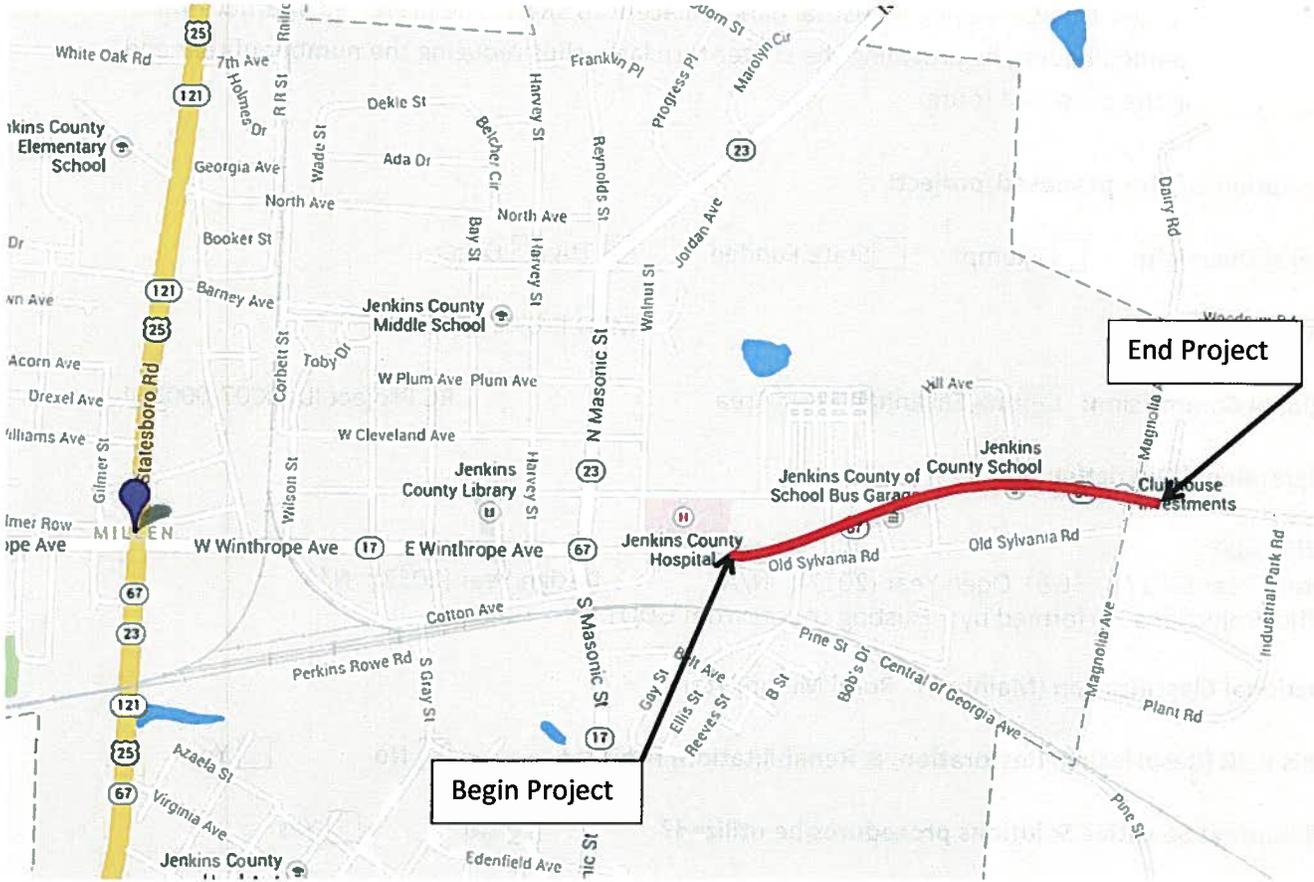
<u><i>[Signature]</i></u> Local Government Representative	<u>5/5/14</u> DATE
Alex Stone, P.E. – Mulkey Engineers and Consultants	<u>4/22/14</u> DATE
<u><i>[Signature]</i></u> District Engineer/Consultant & Firm	<u>5/5/14</u> DATE
<u><i>[Signature]</i></u> TIA Project Manager	<u>5/8/14</u> DATE
<u><i>[Signature]</i></u> GDOT TIA Regional Coordinator	<u>8 MAY 2014</u> DATE
<u><i>[Signature]</i></u> TIA Program Manager	<u>May 8 2014</u> DATE
<u><i>[Signature]</i></u> GDOT State TIA Administrator	<u>DATE</u>

**Approval:**

Concur: <u><i>[Signature]</i></u> GDOT Director of Engineering	<u>6/11/14</u> DATE
Approve: <u><i>[Signature]</i></u> GDOT Chief Engineer	<u>6/23/14</u> DATE

County: Jenkins

### PROJECT LOCATION MAP



**PLANNING & BACKGROUND DATA**

Project Intended Benefit: This project would benefit the public by improving mobility for traffic entering and exiting the town of Millen from the east side. Extra turn lanes would improve access and accommodate larger trucks entering industrial parks adjacent to SR 67. The preferred alternate will provide the intended benefit by providing the center turn lane, thus reducing the number of rear end accidents along the proposed route.

**Description of the proposed project:**

Federal Oversight:  Exempt  State Funded  TIA  Other

MPO: N/A

MPO Project ID

Regional Commission: Central Savannah River Area

RC Project ID RC07-000061

Congressional District(s): 12

Traffic: ADT

Current Year (2012): 5620 Open Year (2017): N/A

Design Year (2037): N/A

Traffic Projections Performed by: Existing counts from GDOT

Functional Classification (Mainline): Rural Minor Arterial

Is this a 3R (Resurfacing, Restoration, & Rehabilitation) Project?  No  Yes

Will Context Sensitive Solutions procedures be utilized?  No  Yes

**DESIGN AND STRUCTURAL DATA - Mainline Design Features: SR 67**

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes	2	N/A	3
- Lane Width(s)	12'	12'	11'
- Median Width & Type	None	Flush – 14'	Flush – 12'
- Outside Shoulder or Border Area Width	4' unpaved	10' Urban	10' Urban
- Outside Shoulder Slope	6%	2%	2%
- Inside Shoulder Width	N/A	N/A	N/A
- Sidewalks	None	5'	5' (North side)
- Auxiliary Lanes	None	None	None
- Bike Lanes	None	None	None
Posted Speed	35 / 45		35 / 45
Design Speed	45 mph	45 mph	45 mph
Min Horizontal Curve Radius	711'	711'	711'
Superelevation Rate	6%	4%	4%

County: Jenkins

<b>Grade</b>	<b>4%</b>	<b>5%</b>	<b>4%</b>
<b>Access Control</b>	<b>By Permit</b>	<b>By Permit</b>	<b>By Permit</b>
<b>Right-of-Way Width</b>	<b>60' to 100'</b>	<b>60' to 100'</b>	<b>60' to 100'</b>
<b>Maximum Grade – Crossroad</b>	<b>7%</b>	<b>7%</b>	<b>7%</b>
<b>Design Vehicle</b>	<b>WB-40</b>	<b>WB-40</b>	<b>WB-40</b>

**Major Structures:** None

**Major Interchanges/Intersections:** None

**Utility Involvements:**

- City of Millen – Water, Sewer and Gas
- Planters Rural Telephone – telephone
- AT&T – telephone / fiber
- Planters Electric Membership Co. – power
- Georgia Power – Electric / Power
- Comcast – Cable TV / Internet fiber

**Public Interest Determination Policy and Procedure recommended (Utilities)?**  No  Yes

**SUE Required:**  No  Yes

**Railroad Involvement:** None

**Complete Streets - Bicycle, Pedestrian, and/or Transit Warrants:**

Warrants met:  None  Bicycle  Pedestrian  Transit

**Right-of-Way:**

Required Right-of-Way anticipated:  No  Yes  Undetermined  
 Easements anticipated:  None  Temporary  Permanent  Utility  Other

Anticipated number of impacted parcels:	44
Displacements Anticipated:	0
Businesses:	0
Residences:	0
Other:	0

**Transportation Management Plan [TMP] Required:**  No  Yes  
 If Yes: Project classified as:  Non-Significant  Significant  
 TMP Components Anticipated:  TTC  TO  PI

**Design Exceptions to FHWA/AASHTO controlling criteria anticipated:** None.

**Design Variances to GDOT Standard Criteria anticipated:** 12' flush median is less than the 14' that is shown in Table 6.6 in the GDOT Design Guide. However, GDOT DPM Ch 6.1 refers to AASHTO for lane widths, and AASHTO p. 6-14 allows for a 10' – 16' width for a center turn lane. Thus, no variance is required.

## ENVIRONMENTAL DATA

### Anticipated Environmental Document:

GEPA:  Type A Letter

Type B Letter

NEPA:  CE

EA/FONSI

### Project Air Quality: *(On-system projects only)*

Is the project located in a PM 2.5 Non-attainment area?

No

Yes

Is the project located in an Ozone Non-attainment area?

No

Yes

Is a Carbon Monoxide hotspot analysis required?

No

Yes

**MS4 Compliance – Is the project located in an MS4 area?**

No

Yes

### Environmental Permits/Variations/Commitments/Coordination anticipated:

ACOE Nationwide 404 permit – impacts to jurisdictional waters

Section 106 – impacts to historic properties

### NEPA/GEPA Comments & Information:

GEPA Type B document will be required for this project.

Ecology: There are two streams on or near the project, three wetlands, and one non-buffered swale.

History: There are 11 eligible properties; 7 are included in a historic district, as well as 4 other properties.

Archeology: Will be confirmed during preliminary design.

Air/Noise: N/A

Public Involvement: Will be handled by locals. No public involvement is required as part of the GEPA process.

County: Jenkins

### PROJECT RESPONSIBILITIES

**Project Activities:**

Project Activity	Party Responsible for Performing Task(s)
Concept Development	Mulkey
Design	Mulkey
Right-of-Way Acquisition	TIA Program Manager
Utility Relocation	By owner / City of Millen
Letting to Contract	TIA Program Manager
Construction Supervision	TIA Program Manager
Providing Material Pits	Contractor
Providing Detours	Contractor
Environmental Studies, Documents, and Permits	Mulkey
Environmental Mitigation	TIA Program Manager
Construction Inspection & Materials Testing	TIA Program Manager

Lighting required:  No  Yes

Other projects in the area: None

**Other coordination to date:** Utility coordination, because of budgetary concerns, was started early in the conceptual process. Most of the utility coordination has focused on the primary utility owner, the City of Millen, who owns the gas, water and sanitary sewer facilities in the project corridor. As a result, the design has been adjusted to avoid some of the water line conflicts, and the City will adjust their facilities as necessary for a maximum of \$100,000 reimbursement.

**Project Cost Estimate and Funding Responsibilities:**

	Breakdown of PE	Breakdown of ROW	Breakdown of Reimbursable Utilities	Breakdown of CST	Breakdown of Environmental Mitigation	Total Cost
By Whom	TIA	TIA	N/A	TIA	TIA	
Date of Estimate	12/15/2013	4/16/2014	2/28/2014	3/15/2014	3/15/2014	
TIA Current Programmed Budget \$	\$246,078.00	\$402,947.00	\$0.00	\$1,423,172.00	\$0.00	\$2,072,197.00
Estimated \$ Amount	\$185,113.46	\$366,774.00	\$100,000.00	\$1,202,892.00	\$0.00	
Budget Contingency \$	\$7,764.78	\$24,176.47	\$0.00	\$135,085.88	\$0.00	
Total Estimated Cost	\$192,878.24	\$390,950.47	\$100,000.00	\$1,337,977.88	\$0.00	\$2,021,806.59

Note: 1. All phases contain 1% Department Management costs and calculated project risk contingency in the Budget Contingency \$ line item.

2. Construction phase contains 3% CEI in addition to other contingencies

County: Jenkins

**ALTERNATIVES**

Preferred Alternative: 34' roadway section with urban shoulders. Sidewalk on north side only. Alignment shifted to the south tapering from Tanglewood to Dixie Crescent, to Magnolia Drive, to minimize impacts to existing City of Millen water line.

<b>Estimated Property Impacts:</b>	<b>2.3 acres (esmt)</b>	<b>Estimated Total Cost:</b>	<b>\$1,854,749.46</b>
<b>Estimated ROW Cost:</b>	<b>\$366,774.00</b>	<b>Estimated CST Time:</b>	<b>15 months</b>

Rationale: Roadway section and sidewalk quantity was reduced for budgetary constraints. The alignment is adjusted to the south in order to reduce utility impacts and costs.

Alternative 1: 36' roadway section with curb and gutter and sidewalks on both sides of the road. The roadway would be widened symmetrically.

<b>Estimated Property Impacts:</b>	<b>2.3 acres (esmt)</b>	<b>Estimated Total Cost:</b>	<b>\$2,245,000.00</b>
<b>Estimated ROW Cost:</b>	<b>\$366,774.00</b>	<b>Estimated CST Time:</b>	<b>15 months</b>

Rationale: This alternative matched the original project description, but the utility impacts and construction costs were above budget.

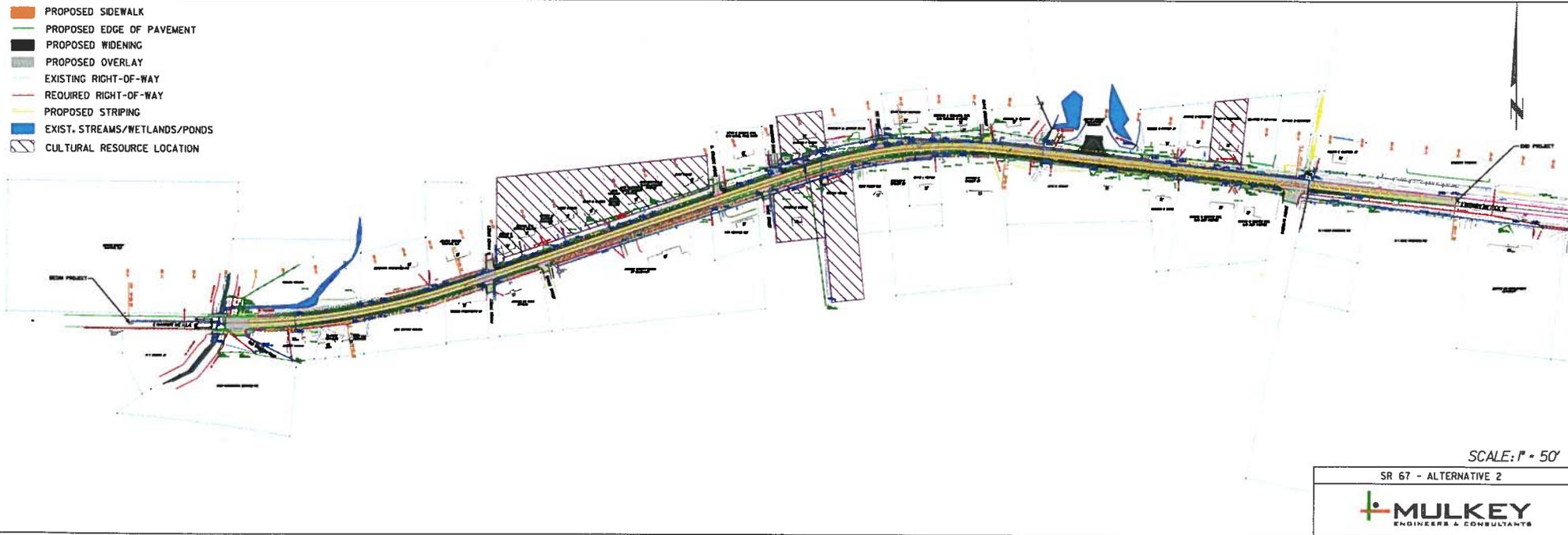
**Comments/additional information:**

**Attachments:**

1. Concept Layout
2. Typical sections
3. Cost Estimates
4. Meeting Minutes
5. TIA Project Fact Sheet

Item	Description	Quantity	Unit	Cost	Total
1	Right of Way	2.3	Acres	159,300.00	366,774.00
2	Construction			1,487,975.00	1,487,975.00
3	Professional Fees			19,800.00	19,800.00
4	Contingency			19,800.00	19,800.00
5	Construction			1,487,975.00	1,487,975.00
6	Professional Fees			19,800.00	19,800.00
7	Contingency			19,800.00	19,800.00
8	Construction			1,487,975.00	1,487,975.00
9	Professional Fees			19,800.00	19,800.00
10	Contingency			19,800.00	19,800.00
11	Construction			1,487,975.00	1,487,975.00
12	Professional Fees			19,800.00	19,800.00
13	Contingency			19,800.00	19,800.00
14	Construction			1,487,975.00	1,487,975.00
15	Professional Fees			19,800.00	19,800.00
16	Contingency			19,800.00	19,800.00
17	Construction			1,487,975.00	1,487,975.00
18	Professional Fees			19,800.00	19,800.00
19	Contingency			19,800.00	19,800.00
20	Construction			1,487,975.00	1,487,975.00
21	Professional Fees			19,800.00	19,800.00
22	Contingency			19,800.00	19,800.00
23	Construction			1,487,975.00	1,487,975.00
24	Professional Fees			19,800.00	19,800.00
25	Contingency			19,800.00	19,800.00
26	Construction			1,487,975.00	1,487,975.00
27	Professional Fees			19,800.00	19,800.00
28	Contingency			19,800.00	19,800.00
29	Construction			1,487,975.00	1,487,975.00
30	Professional Fees			19,800.00	19,800.00
31	Contingency			19,800.00	19,800.00
32	Construction			1,487,975.00	1,487,975.00
33	Professional Fees			19,800.00	19,800.00
34	Contingency			19,800.00	19,800.00
35	Construction			1,487,975.00	1,487,975.00
36	Professional Fees			19,800.00	19,800.00
37	Contingency			19,800.00	19,800.00
38	Construction			1,487,975.00	1,487,975.00
39	Professional Fees			19,800.00	19,800.00
40	Contingency			19,800.00	19,800.00
41	Construction			1,487,975.00	1,487,975.00
42	Professional Fees			19,800.00	19,800.00
43	Contingency			19,800.00	19,800.00
44	Construction			1,487,975.00	1,487,975.00
45	Professional Fees			19,800.00	19,800.00
46	Contingency			19,800.00	19,800.00
47	Construction			1,487,975.00	1,487,975.00
48	Professional Fees			19,800.00	19,800.00
49	Contingency			19,800.00	19,800.00
50	Construction			1,487,975.00	1,487,975.00
51	Professional Fees			19,800.00	19,800.00
52	Contingency			19,800.00	19,800.00
53	Construction			1,487,975.00	1,487,975.00
54	Professional Fees			19,800.00	19,800.00
55	Contingency			19,800.00	19,800.00
56	Construction			1,487,975.00	1,487,975.00
57	Professional Fees			19,800.00	19,800.00
58	Contingency			19,800.00	19,800.00
59	Construction			1,487,975.00	1,487,975.00
60	Professional Fees			19,800.00	19,800.00
61	Contingency			19,800.00	19,800.00
62	Construction			1,487,975.00	1,487,975.00
63	Professional Fees			19,800.00	19,800.00
64	Contingency			19,800.00	19,800.00
65	Construction			1,487,975.00	1,487,975.00
66	Professional Fees			19,800.00	19,800.00
67	Contingency			19,800.00	19,800.00
68	Construction			1,487,975.00	1,487,975.00
69	Professional Fees			19,800.00	19,800.00
70	Contingency			19,800.00	19,800.00
71	Construction			1,487,975.00	1,487,975.00
72	Professional Fees			19,800.00	19,800.00
73	Contingency			19,800.00	19,800.00
74	Construction			1,487,975.00	1,487,975.00
75	Professional Fees			19,800.00	19,800.00
76	Contingency			19,800.00	19,800.00
77	Construction			1,487,975.00	1,487,975.00
78	Professional Fees			19,800.00	19,800.00
79	Contingency			19,800.00	19,800.00
80	Construction			1,487,975.00	1,487,975.00
81	Professional Fees			19,800.00	19,800.00
82	Contingency			19,800.00	19,800.00
83	Construction			1,487,975.00	1,487,975.00
84	Professional Fees			19,800.00	19,800.00
85	Contingency			19,800.00	19,800.00
86	Construction			1,487,975.00	1,487,975.00
87	Professional Fees			19,800.00	19,800.00
88	Contingency			19,800.00	19,800.00
89	Construction			1,487,975.00	1,487,975.00
90	Professional Fees			19,800.00	19,800.00
91	Contingency			19,800.00	19,800.00
92	Construction			1,487,975.00	1,487,975.00
93	Professional Fees			19,800.00	19,800.00
94	Contingency			19,800.00	19,800.00
95	Construction			1,487,975.00	1,487,975.00
96	Professional Fees			19,800.00	19,800.00
97	Contingency			19,800.00	19,800.00
98	Construction			1,487,975.00	1,487,975.00
99	Professional Fees			19,800.00	19,800.00
100	Contingency			19,800.00	19,800.00

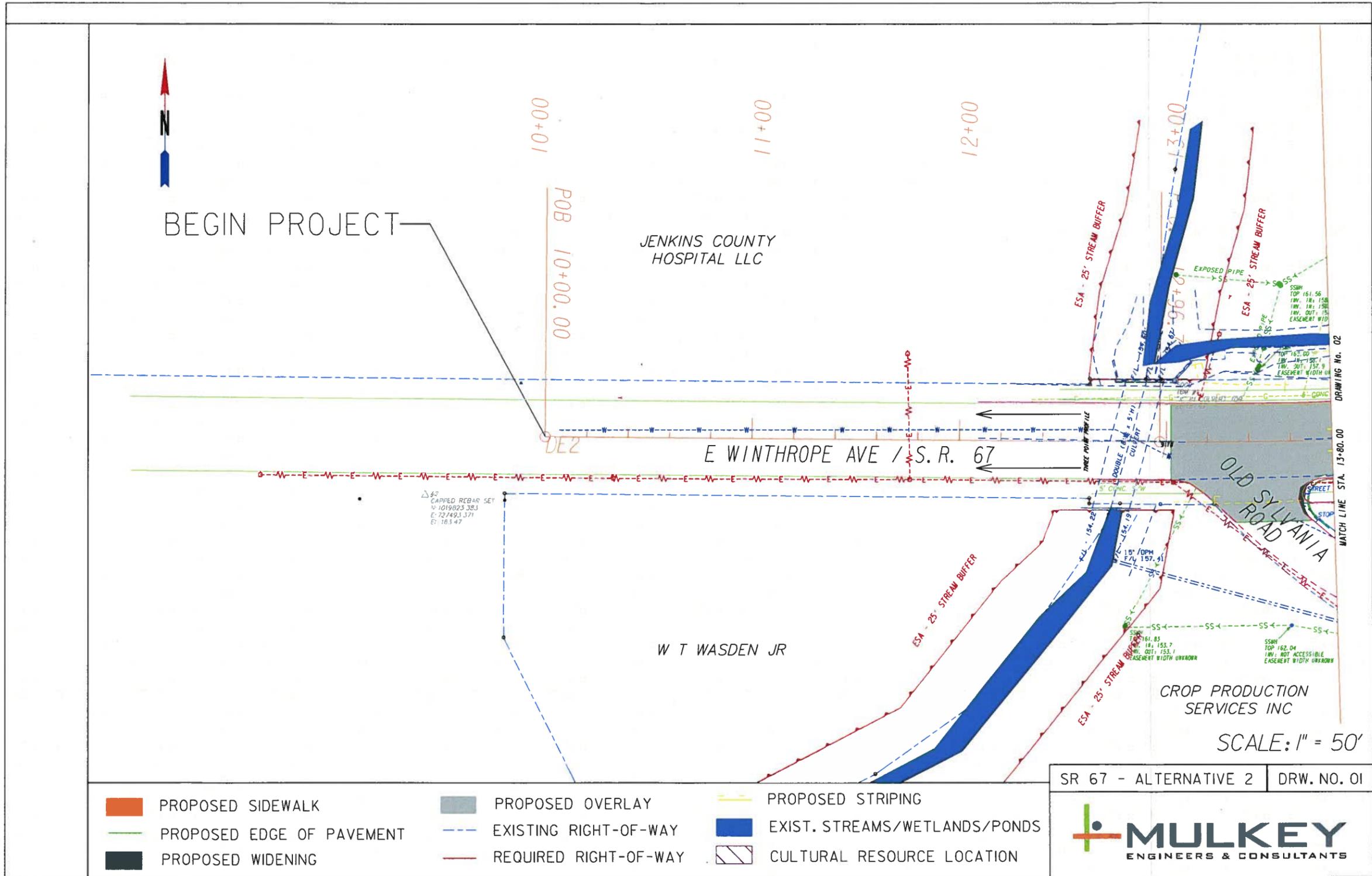
- PROPOSED SIDEWALK
- PROPOSED EDGE OF PAVEMENT
- PROPOSED WIDENING
- PROPOSED OVERLAY
- EXISTING RIGHT-OF-WAY
- REQUIRED RIGHT-OF-WAY
- PROPOSED STRIPING
- EXIST. STREAMS/WETLANDS/PONDS
- CULTURAL RESOURCE LOCATION



SCALE: 1" = 50'

SR 67 - ALTERNATIVE 2

**MULKEY**  
ENGINEERS & CONSULTANTS



BEGIN PROJECT

JENKINS COUNTY HOSPITAL LLC

W T WASDEN JR

E WINTHROPE AVE / S. R. 67

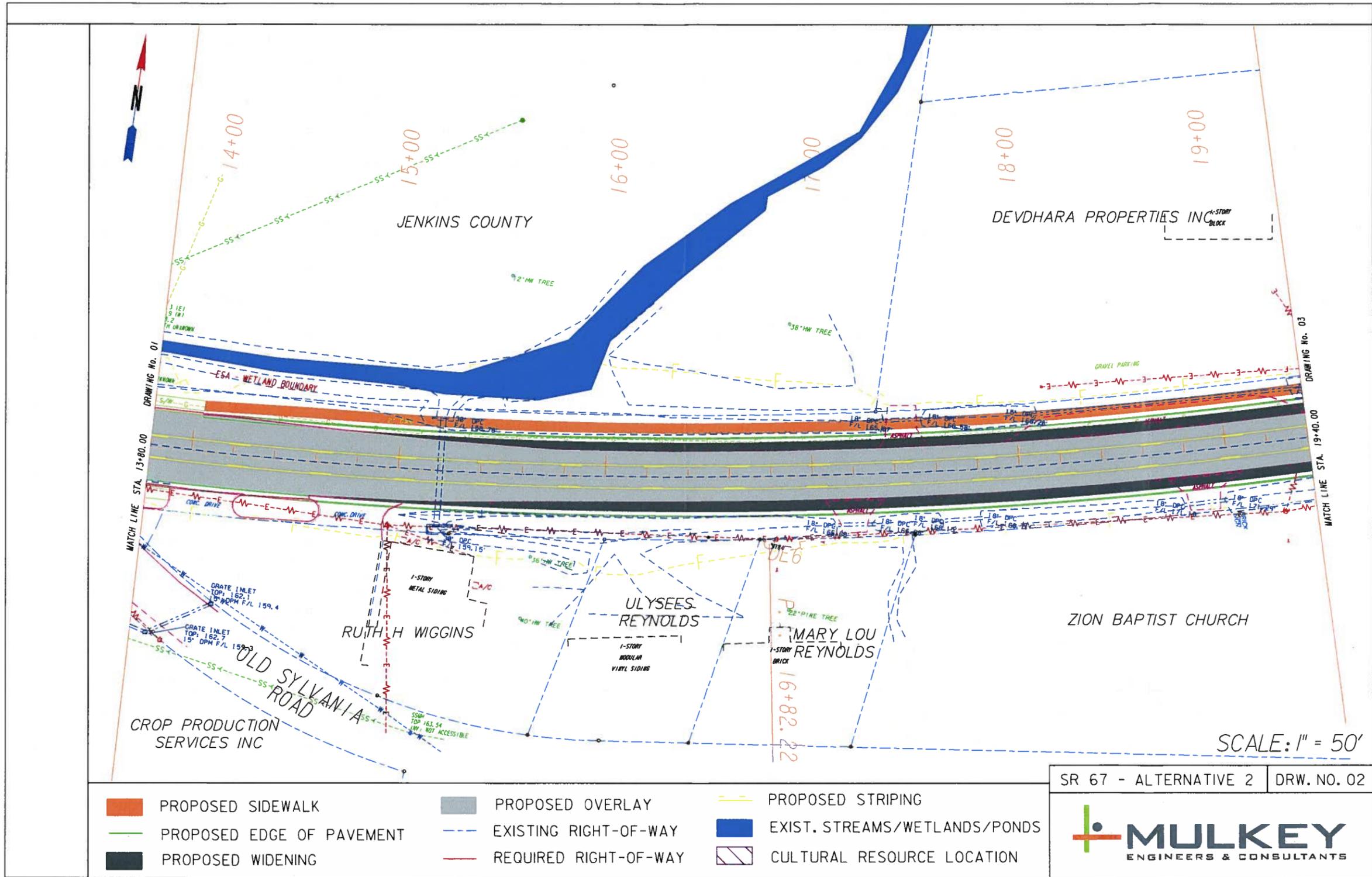
SCALE: 1" = 50'

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|---|---|---|
|  PROPOSED SIDEWALK         |  PROPOSED OVERLAY      |  PROPOSED STRIPING             |
|  PROPOSED EDGE OF PAVEMENT |  EXISTING RIGHT-OF-WAY |  EXIST. STREAMS/WETLANDS/PONDS |
|  PROPOSED WIDENING         |  REQUIRED RIGHT-OF-WAY |  CULTURAL RESOURCE LOCATION    |

SR 67 - ALTERNATIVE 2 | DRW. NO. 01



DRAWING NO. 02  
MATCH LINE STA. 13+80.00



MATCH LINE STA. 13+80.00 DRAWING No. 01

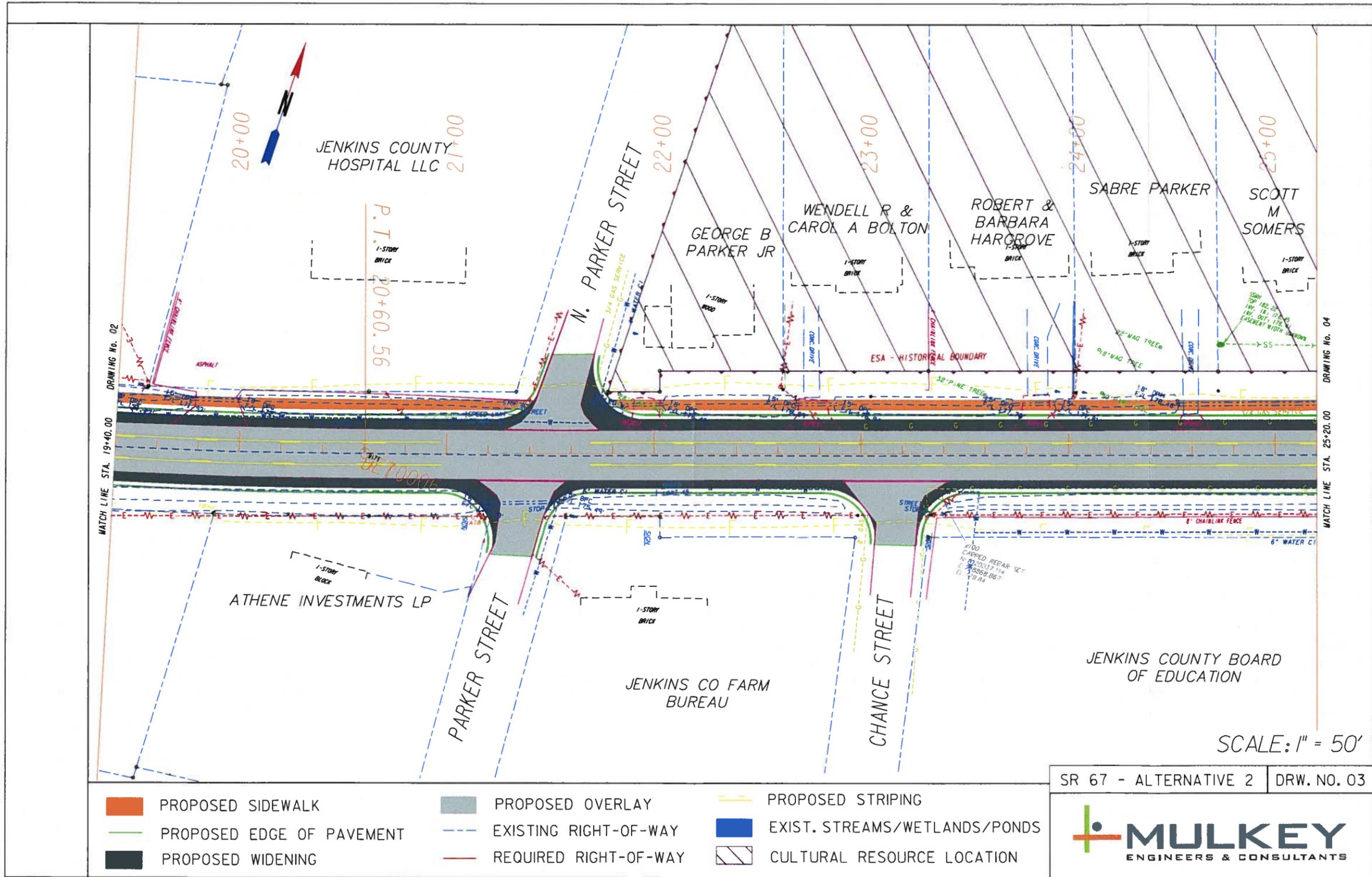
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|  PROPOSED EDGE OF PAVEMENT |  EXISTING RIGHT-OF-WAY |  EXIST. STREAMS/WETLANDS/PONDS |
|  PROPOSED WIDENING         |  REQUIRED RIGHT-OF-WAY |  CULTURAL RESOURCE LOCATION    |

SR 67 - ALTERNATIVE 2 | DRW. NO. 02



SCALE: 1" = 50'



	PROPOSED SIDEWALK		PROPOSED OVERLAY		PROPOSED STRIPING
	PROPOSED EDGE OF PAVEMENT		EXISTING RIGHT-OF-WAY		EXIST. STREAMS/WETLANDS/PONDS
	PROPOSED WIDENING		REQUIRED RIGHT-OF-WAY		CULTURAL RESOURCE LOCATION

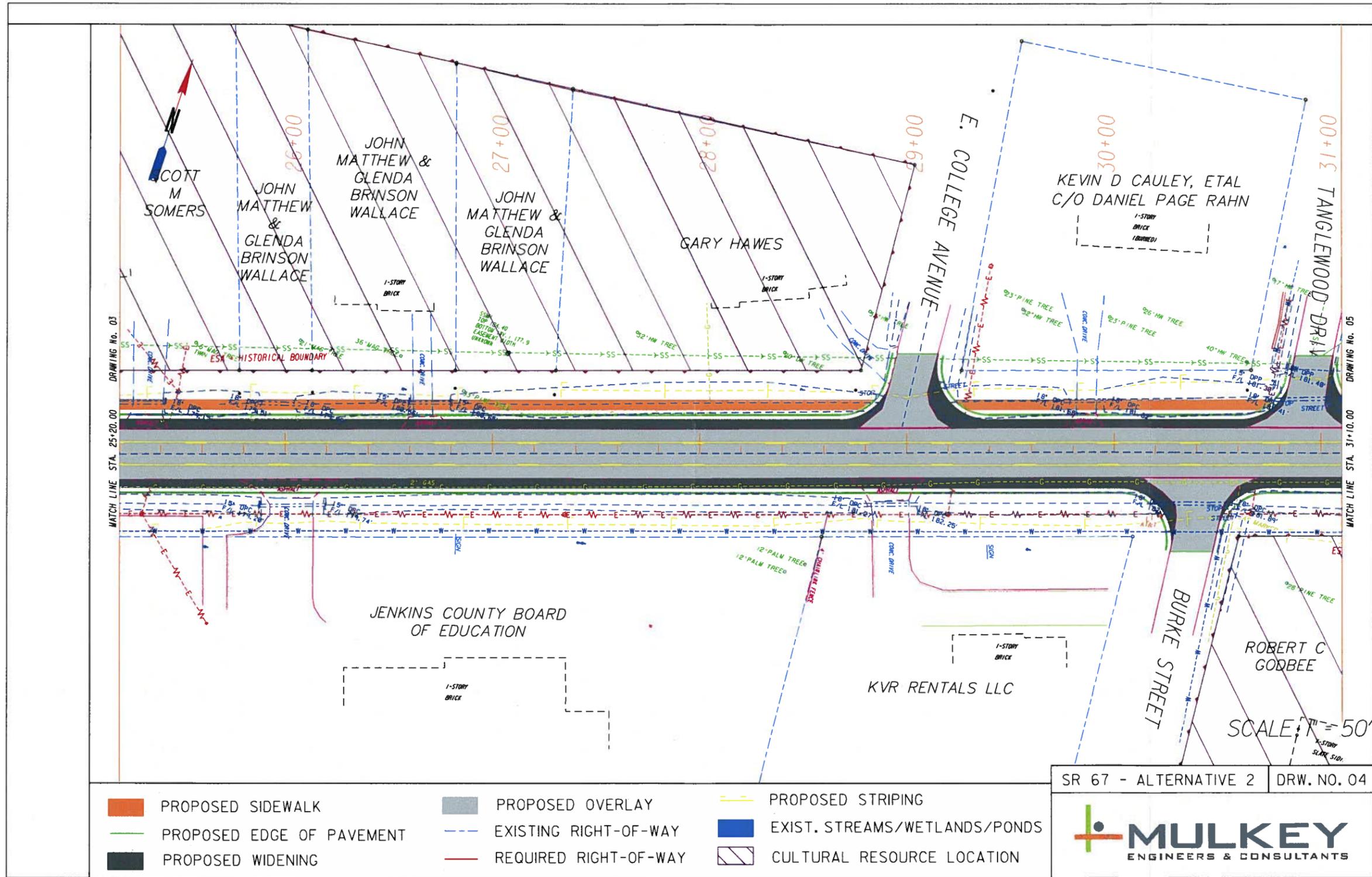
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SCALE: 1" = 50'

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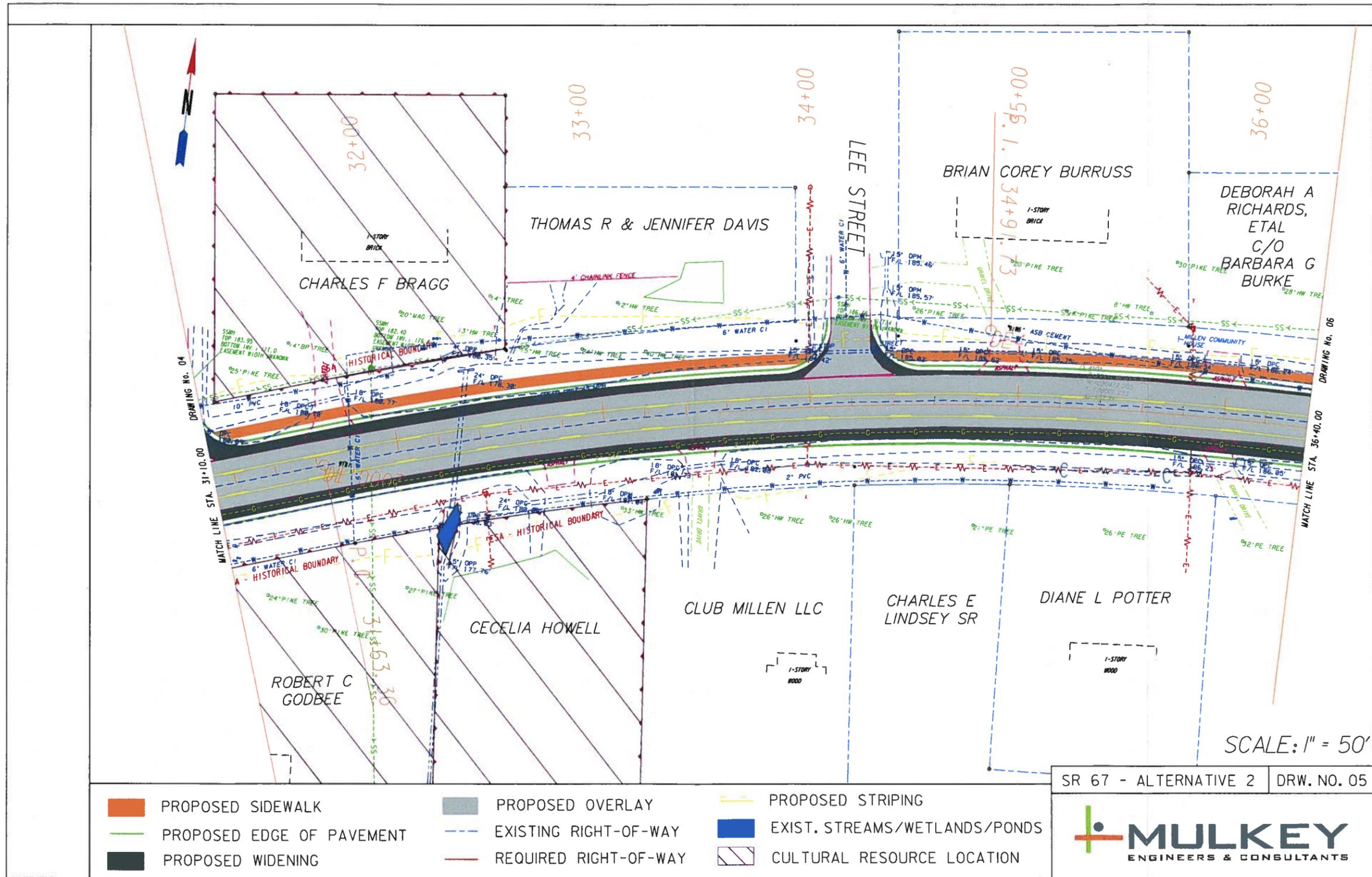
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MATCH LINE STA. 25+20.00



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|  PROPOSED EDGE OF PAVEMENT |  EXISTING RIGHT-OF-WAY |  EXIST. STREAMS/WETLANDS/PONDS |
|  PROPOSED WIDENING         |  REQUIRED RIGHT-OF-WAY |  CULTURAL RESOURCE LOCATION    |

SR 67 - ALTERNATIVE 2 | DRW. NO. 04





DRAWING NO. 04

MATCH LINE STA. 31+10.00

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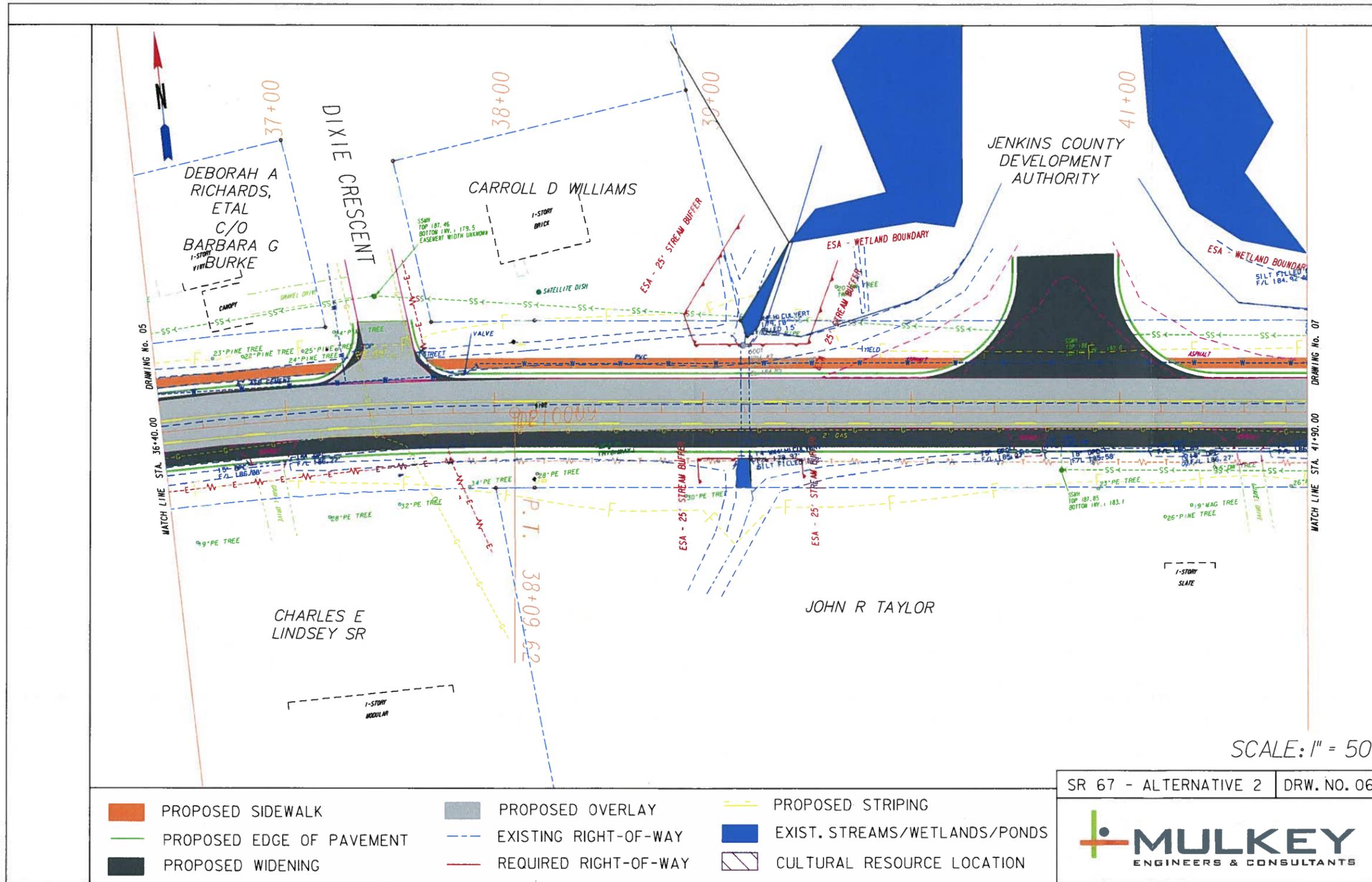
MATCH LINE STA. 36+40.00

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|  PROPOSED EDGE OF PAVEMENT |  EXISTING RIGHT-OF-WAY |  EXIST. STREAMS/WETLANDS/PONDS |
|  PROPOSED WIDENING         |  REQUIRED RIGHT-OF-WAY |  CULTURAL RESOURCE LOCATION    |

SR 67 - ALTERNATIVE 2 | DRW. NO. 05



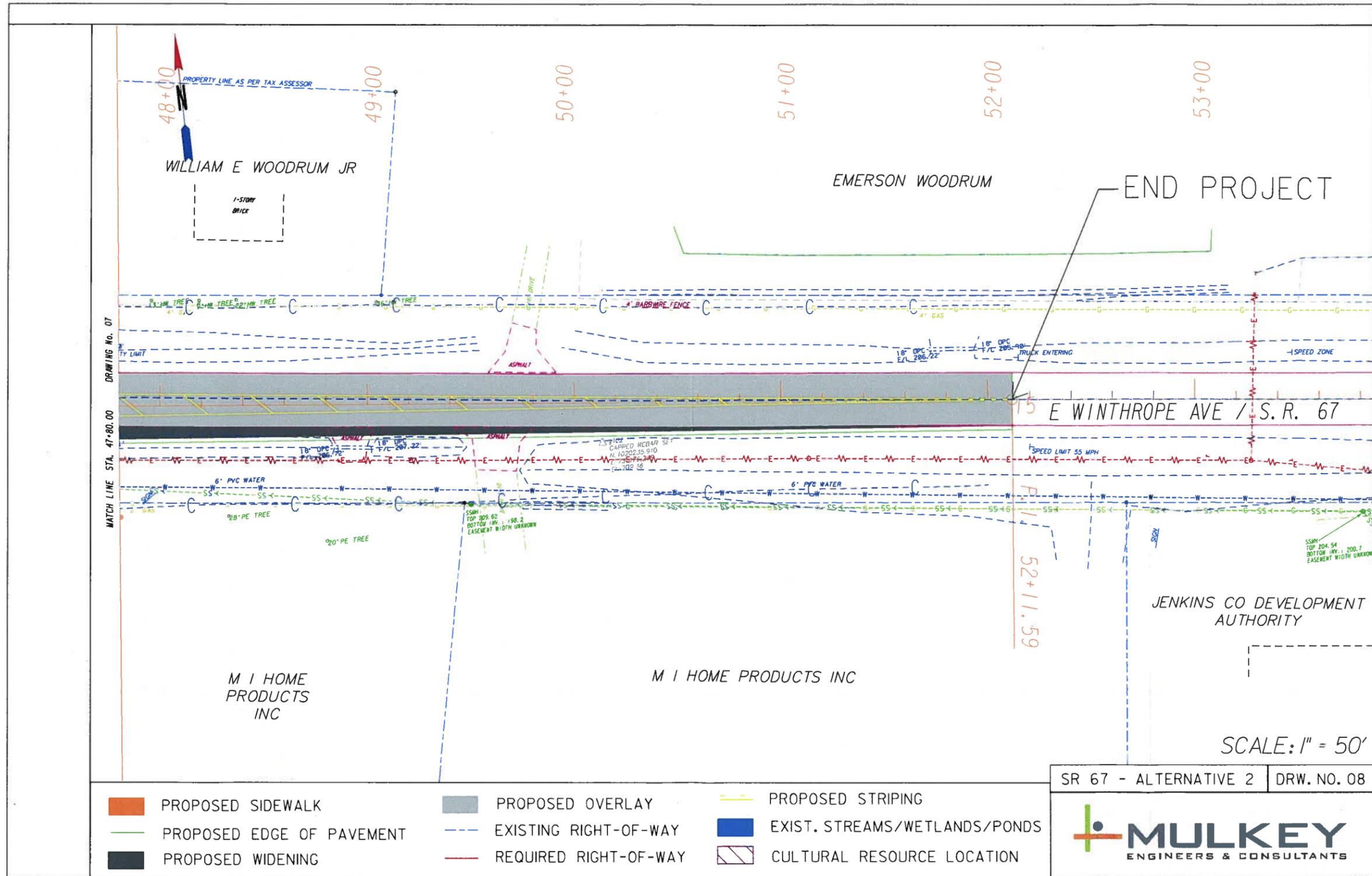
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SR 67 - ALTERNATIVE 2 | DRW. NO. 06







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|---|---|---|
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|  PROPOSED EDGE OF PAVEMENT |  EXISTING RIGHT-OF-WAY |  EXIST. STREAMS/WETLANDS/PONDS |
|  PROPOSED WIDENING         |  REQUIRED RIGHT-OF-WAY |  CULTURAL RESOURCE LOCATION    |





### SR 67 - Concept Cost Estimate

Item No.	Pay Item	Description	Estimated Qty.	Unit	Unit Price	Total Price
	<b>150-1000</b>	Traffic Control	LUMP SUM			<b>\$60,000</b>
	<b>163-0232</b>	Temporary Grassing	4	AC	\$258.20	<b>\$1,033</b>
	<b>163-0240</b>	Mulch	33	TN	\$154.55	<b>\$5,101</b>
	<b>163-0300</b>	Construction Exit	2	EA	\$1,130.00	<b>\$2,260</b>
	<b>163-0550</b>	Construct and Remove Inlet Sediment Trap	55	EA	\$137.25	<b>\$7,549</b>
	<b>165-0030</b>	Maintenance of Temporary Silt Fence, TP C	4000	LF	\$0.42	<b>\$1,680</b>
	<b>165-0105</b>	Maintenance of Inlet Sediment Trap	55	EA	\$39.90	<b>\$2,195</b>
	<b>165-0101</b>	Maintenance of Construction Exit	2	EA	\$520.00	<b>\$1,040</b>
	<b>167-1000</b>	Water Quality Monitoring	2	EA	\$300.00	<b>\$600</b>
	<b>167-1500</b>	Water Quality Inspections	18	MO	\$450.00	<b>\$8,100</b>
	<b>171-0030</b>	Temporary Silt Fence, Type C	8000	LF	\$2.80	<b>\$22,400</b>
	<b>210-0100</b>	Grading Complete -	LUMP SUM			<b>\$128,000</b>
	<b>310-1101</b>	Gr Aggr Base Crs, Incl Matl	3532	TN	\$16.00	<b>\$56,512</b>
	<b>318-3000</b>	Aggr Surf Crs	200	TN	\$18.80	<b>\$3,760</b>
	<b>402-1802</b>	Recycled Asph Conc Patching, Incl Bitum Matl & H Lime	100	TN	\$86.57	<b>\$8,657</b>
	<b>402-1812</b>	Recycled Asph Conc Leveling, Incl Bitum Matl & H Lime	1000	TN	\$69.84	<b>\$69,840</b>
	<b>402-3121</b>	Recycled Asph Conc 25 MM Superpave, GP 1 or 2, Incl Bitum Matl & H Lime	1235	TN	\$58.25	<b>\$71,939</b>
	<b>402-3103</b>	Recycled Asph Conc 9.5 MM Superpave, TP II, GP 2 Only, Incl Bitum Matl & H Lime	1198	TN	\$79.52	<b>\$95,265</b>
	<b>402-3190</b>	Recycled Asph Conc 19 MM Superpave, GP 1 or 2, Incl Bitum Matl & H Lime	732	TN	\$63.87	<b>\$46,753</b>
	<b>413-1000</b>	Bitum Tack Coat	1000	GL	\$2.43	<b>\$2,430</b>
	<b>432-5010</b>	Mill Asph Conc Pvmt, Variable Depth	300	SY	\$1.26	<b>\$378</b>
	<b>441-0018</b>	Driveway Concrete, 8 IN TK	500	SY	\$37.50	<b>\$18,750</b>
	<b>441-0104</b>	Concrete Sidewalk, 4 IN	1800	SY	\$25.19	<b>\$45,342</b>
	<b>441-4020</b>	Conc Valley Gutter, 6 IN	1400	SY	\$35.82	<b>\$50,148</b>
	<b>441-6222</b>	Conc Curb & Gutter, 8 IN X 30 IN, TP 2	6800	LF	\$11.92	<b>\$81,056</b>
	<b>446-1100</b>	Pvmt Reinf Fabric Strips, TP 2, 18 Inch Width	6,500	LF	\$3.59	<b>\$23,335</b>

Item No.	Pay Item	Description	Estimated Qty.	Unit	Unit Price	Total Price
	<b>500-3101</b>	Class A Concrete	19	CY	\$399.19	<b>\$7,585</b>
	<b>500-9999</b>	Class B Conc, Base or Pvmt Widening	12	CY	\$166.76	<b>\$2,002</b>
	<b>511-1000</b>	Bar Reinf Steel	1,100	CY	\$0.80	<b>\$880</b>
	<b>550-1180</b>	Storm Drain Pipe, 18 IN, H 1-10	2800	LF	\$30.33	<b>\$84,924</b>
	<b>550-1240</b>	Storm Drain Pipe, 24 IN, H 1-10	1100	LF	\$37.42	<b>\$41,162</b>
	<b>550-2180</b>	Side Drain Pipe, 18 IN, H 1-10	300	LF	\$26.62	<b>\$7,986</b>
	<b>550-3418</b>	Flared End Section, 18 IN, Side Drain	15	EA	\$337.56	<b>\$5,064</b>
	<b>550-4224</b>	Flared End Section, 24 IN, Storm Drain	3	EA	\$631.00	<b>\$1,893</b>
	<b>550-4230</b>	Flared End Section, 30 IN, Storm Drain	2	EA	\$695.00	<b>\$1,390</b>
	<b>603-2181</b>	Stn Dumped Rip Rap, TP 3, 18 IN	10	SY	\$30.00	<b>\$300</b>
	<b>603-7000</b>	Plastic Filter Fabric	10	SY	\$3.10	<b>\$31</b>
	<b>653-0110</b>	Markings - Project	LUMP SUM			<b>\$25,000</b>
	<b>668-1100</b>	Catch Basin, GP 1	30	EA	\$2,122.00	<b>\$63,660</b>
	<b>668-1200</b>	Drop Inlet, GP 1	8	EA	\$1,857.00	<b>\$14,856</b>
	<b>668-4300</b>	Storm Sewer Manhole, TP 1	6	EA	\$1,802.50	<b>\$10,815</b>
	<b>700-6910</b>	Permanent Grassing	7	AC	\$845.00	<b>\$5,915</b>
	<b>700-8000</b>	Fertilizer Mixed Grade	1	TN	\$526.92	<b>\$527</b>
	<b>700-8100</b>	Fertilizer Nitrogen Content	350	LB	\$2.50	<b>\$875</b>
	<b>716-2000</b>	Erosion Control Mats, Slopes	5,000	SY	\$0.91	<b>\$4,550</b>

<b>SUBTOTAL ESTIMATED COST:</b>	<b>\$1,093,538</b>
<b>10% Contingency</b>	<b>\$109,354</b>
<b>TOTAL ESTIMATED COST:</b>	<b>\$1,202,892</b>

Project No. RC07-000061  
 PI No. 0008519  
 Project Name: SR 67 Widening  
 Date: Enter Date of Estimate (04/16/2014)



**Preliminary ROW Cost Estimate**

<b>Land and Improvements</b>	Agriculture	Residential	Commercial	Industrial
Estimate (\$/ac)	\$0	\$5,000	\$12,000	\$12,000
Fee Simple Area (ac)	0	0.10	0.1	0
Fee Simple Estimate	\$0	\$500	\$1,200	\$0
Perm Easement Area (ac)	0.00	1.23	0.95	0.12
Perm Easement Factor	0%	50%	50%	50%
Perm Easement Estimate	\$0	\$3,075	\$5,700	\$720
Temp Easement Area (ac)	0	0	0	0
Temp Easement Factor	0%	25%	25%	0%
Temp Easement Estimate	\$0	\$0	\$0	\$0
City Land Available for Swap (ac)	0.00	0.00	0.00	0.00
City Land Available for Swap Estimate \$	\$0	\$0	\$0	\$0
Proximity Damages	\$0	\$0	\$0	\$0
Consequential Damages	\$0	\$0	\$0	\$0
Cost to Cures	\$0	\$5,000	\$25,000	\$0
Improvements	\$0	\$0	\$0	\$0
Trade Fixtures	\$0	\$0	\$0	\$0
<b>PROPERTY TYPE TOTALS</b>	<b>\$0</b>	<b>\$8,575</b>	<b>\$31,900</b>	<b>\$720</b>
		<b>Land and Improvements Sub Total</b>	<b>\$41,195</b>	
<b>Valuation Services</b>	Agriculture	Residential	Commercial	Industrial
Appraisals (# of Parcels)	0	32	9	3
Estimated Fee ( per Parcel)	\$0	\$1,000	\$2,000	\$2,000
Total Appraisals	\$0	\$32,000	\$18,000	\$6,000
Specialty Reports	\$0	\$0	\$0	\$0
Estimated Fees	\$0	\$0	\$0	\$0
<b>PROPERTY TYPE TOTALS</b>	<b>\$0</b>	<b>\$32,000</b>	<b>\$18,000</b>	<b>\$6,000</b>
		<b>Valuation Services Sub Total</b>	<b>\$56,000</b>	
<b>Legal Services</b>	Parcels	Estimated Fees	Totals	
Meeting with Attorney	44	\$125	\$5,500	
Preliminary Titles	44	\$200	\$8,800	
Closing and Final Title	44	\$300	\$13,200	
Recording Fees	44	\$50	\$2,200	
		<b>Legal Services Sub Total</b>	<b>\$29,700</b>	
<b>Administrative</b>	Parcels	Man Hours/Parcel	Totals	
Pre-Acquisition	44	25	\$55,000	
Acquisition	44	50	\$110,000	
Administrative Appeals	11	25	\$13,750	
		<b>Administrative Sub Total</b>	<b>\$178,750</b>	
		<b>Subtotal Estimated Costs</b>	<b>\$305,645</b>	
<b>Contingencies</b>				
Contingencies @ 20% of total		<b>Contingencies Sub Total</b>	<b>\$61,129</b>	
		<b>TOTAL ESTIMATED ROW COSTS</b>	<b>\$366,774</b>	



## KICKOFF MEETING: PMP and Minutes

Mulkey Engineers & Consultants  
1255 Canton Street, Suite G  
Roswell, Georgia 30075  
(678) 461-3511 Fax (678) 461-3494  
e-mail: astone@mulkeyinc.com

**SR 67 Widening  
PI # 0008519**

**DATE:** 10/31/13, 10:30 AM

**SUBJECT:** Kickoff Meeting

<b>ATTENDEES:</b>	Tim Matthews	GDOT TIA Regional Coordinator
	Steve Tiedemann	TIA Project Manager
	Alex Stone	Mulkey
	Grady Saxon	Jenkins County Administrator
	Grady Lane	Field Services Director – Jenkins County

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### Project Management Plan:

- **Introductions:**
  - **Team Members / Subconsultants:**
    - TIA Regional Coordinator – Tim Matthews
    - TIA Project Manager: Steve Tiedemann - AECOM
    - Project Manager: Alex Stone – Mulkey
    - Lead Engineer: Ken McDuff - Mulkey
    - Survey: McKim and Creed (completed)
    - Environmental: GT Hill Planners (Todd Hill)
    - Geotechnical: Ranger Consulting (Peggy McGee)
  - **Stakeholders:**
    - Client – TIA Program Manager AECOM / GDOT
    - Jenkins County – TIA Sponsor
    - City of Millen – local jurisdiction
- **Project Description / Discussion:** Widening of SR 67 from Old Sylvania Road to Industrial Park Road. Widening from 2 to 3 lanes, with curb and gutter / sidewalk. Includes realignment / change in access of Old Sylvania Road
  - **Job Number / File Locations:**
    - GDOT Project Number CSSTP-0008-00(549)
    - GDOT PI Number 0008519
    - TIA Project Number – RC07-000061
    - Mulkey Project Number 2013078.00
    - Files are under: F:\Project\2013\2013078-00\
  - **Phases:**
    - Phase 1: Concept Development
    - Phase 2: Environmental Documentation
    - Phase 3: Preliminary Design
    - Phase 4: Final Design



## KICKOFF MEETING: PMP and Minutes

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**SR 67 Widening  
PI # 0008519**

- **Scope of Work:**
  - **Conceptual Development**
    - Conceptual Development – PM tasks, site visits, meetings, alternatives, Concept Report layouts, submittals and reviews.
    - Cost estimating.
    - Deliverable – approved TIA Concept Report
  - **Environmental Documentation**
    - Special studies – ecology / history / archeology
    - Environmental Documentation – GEPA Type B Document
    - Permitting – possible 404 permit
  - **Preliminary Design**
    - Develop Construction Plans for bid. Preliminary will include enough information to develop Right of Way Plans.
    - Typical sections
    - Road Geometry
    - Drainage design
    - Wheelchair ramps and driveway / sidestreet tie-ins
    - Cross Sections and construction limits
    - Utility Coordination
    - Preliminary marking plans
    - Construction Plan Sheets
    - Preliminary Cost estimates
    - Submittal for 60% review
    - Right of Way Layouts and Plans
  - **Final Design**
    - Right of Way revisions
    - Final Construction Plans
    - Quantities and Cost estimates
    - Final Signing and Marking Plans
    - Erosion Control Plans
    - Specifications / Special Provisions
    - Final submittal for bid
  - **Milestones / Schedule:**
    - NTP – October 2013
    - Concept Development – October 2013 – January 2014
    - Preliminary Design: February 2014 through July 2014
    - ROW Plan Approval: August 2014
    - Final Design: September 2014 – September 2015



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## KICKOFF MEETING: PMP and Minutes

SR 67 Widening  
PI # 0008519

- Let to Construction: October 2015
- **Kickoff Meeting - Project Minutes / Discussion**
  - Tim introduced the project team and the project, and discussed the background and history of the TIA program.
  - Grady Lane said that he was the one that put together the project request and described how and when the project was originated.
  - Alex discussed the below project issues:
    - Identification of Environmental Resources – drainage crossings, historic structures, wetlands near Industrial Park entrance.
  - Realignment of Old Sylvania Road. Grady mentioned that there is no accident history at the intersection and that it is not a priority for them to resolve.
  - Typical Section. Grady said that the sidewalk on the north side is a priority from the west end of the project to Magnolia Street, with facilities on the south side only where needed to allow crossings from the north side. Grady said that the pavement is in good shape and has been repaved in the last several years.
  - Utility owners – identification / responsibilities. The City of Millen owns the gas, water and sanitary sewer along the project route.
  - Scope of public involvement – Tim said that drawings will be provided to the city for display if they wanted them.
  - Property owners/ acquisition. Grady does not see any major issues. Alex said that most, if not all, the acquisition, will be slope easements.
  - Project Budget – Tim said that budget does not include utility relocations.
  - Drainage – Grady said that they have constructed a diversion channel north of the project to drain the west side of Woodrum Road to the industrial park. They plan to construct a cross drain to drain the other side of the roadway also.
  - The project team met with the City of Millen Utility Director, Johnny Thomas, in the field. He helped to identify utilities along the corridor, but specific locations can be provided once we request them. He also mentioned two new fiber lines, one by Screven County and one by AT&T that have been recently built. The city has a new high pressure gas line along the north side of the route at the east end of the project that will be under construction in the next couple of months. A regulator station on permanent easement will be constructed as well. It was generally agreed that avoiding the line, if possible, would be prudent.
  - The city's consultant (Keck and Wood) will be in contact with Mulkey to provide their design drawings. Alex provided Johnny with his contact information.

# Project Sheet

**Project Number:** RC07-000061      **Project Name:** Widen SR 67 and Add Turn Lanes

**GDOT ID:** 0008519

**Project Description:** This project consists of minor widening on SR 67 in Millen from CR 54 (Old Sylvania) at mile post 14.74 to CR 218 (Industrial Park) at mile post 15.62. The proposed typical section would consist of one 12ft travel lane in each direction with a 14ft. flush median. The shoulders will consist of curb, gutter and sidewalk on each side.

**Regional Commission:** Central Savannah River Area

**County:** Jenkins County

Phase	Total Project Cost	Total TIA Amount	Comments (Please note all cost estimates are in 2011 dollars and actual costs for all phases at year of expenditure will be higher):
PE	\$106,078	\$106,078	The horizontal and vertical alignments of SR 67 appear to meet current AASHTO Green Book criteria so no realignment or vertical reconstruction appears necessary. The horizontal alignment of CR 54 (Old Sylvania) does not meet the current GDOT requirements of 70 degrees and will have to be realigned or result in a cul-de-sac.
ROW	\$402,947	\$402,947	
CST	\$1,563,172	\$1,563,172	
<b>Total</b>	<b>\$2,072,197</b>	<b>\$2,072,197</b>	

Public Benefit	Notes
Maximizing the value of Georgia's Assets	This project could potentially maximize the full utility of an existing transportation facility(s). In some cases, bypasses will be necessary. Example benefits could be: mitigating congestion (e.g. operational improvements) and optimizing capital asset management (e.g. resurfacing, rehabilitation). The impacts would apply to this roadway segment, corridor, and/or intersection.

Additional Benefits	Notes
	This project would benefit the public by improving mobility for traffic entering and exiting the town of Millen from the east side. Extra turn lanes would improve access and accommodate larger trucks entering industrial parks adjacent to SR 67. The improvement would increase safety by decreasing the number of rear end accidents that are occurring on SR 67 at a current rate of 40%.

