

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
TIA PROJECT CONCEPT REPORT



Project Type: Passing Lane
GDOT District: 3
Federal Route Number: N/A
State Route Number: 219

P.I. Number: 0001812
County: Muscogee/Harris
MPO ID Number: _____

SR 219 Passing Lanes from Luther Land Bridge to Happy Hollow Road Improvements

Submitted for approval:

T.Y. Lin International
Consultant & Firm

1/29/16
DATE

[Signature]
TIA Project Manager

2/1/16
DATE

[Signature]
GDOT TIA Regional Coordinator

2/8/16
DATE

[Signature]
TIA Program Manager

2/5/2016
DATE

[Signature]
GDOT State TIA Administrator

02/08/2016
DATE

Approval:

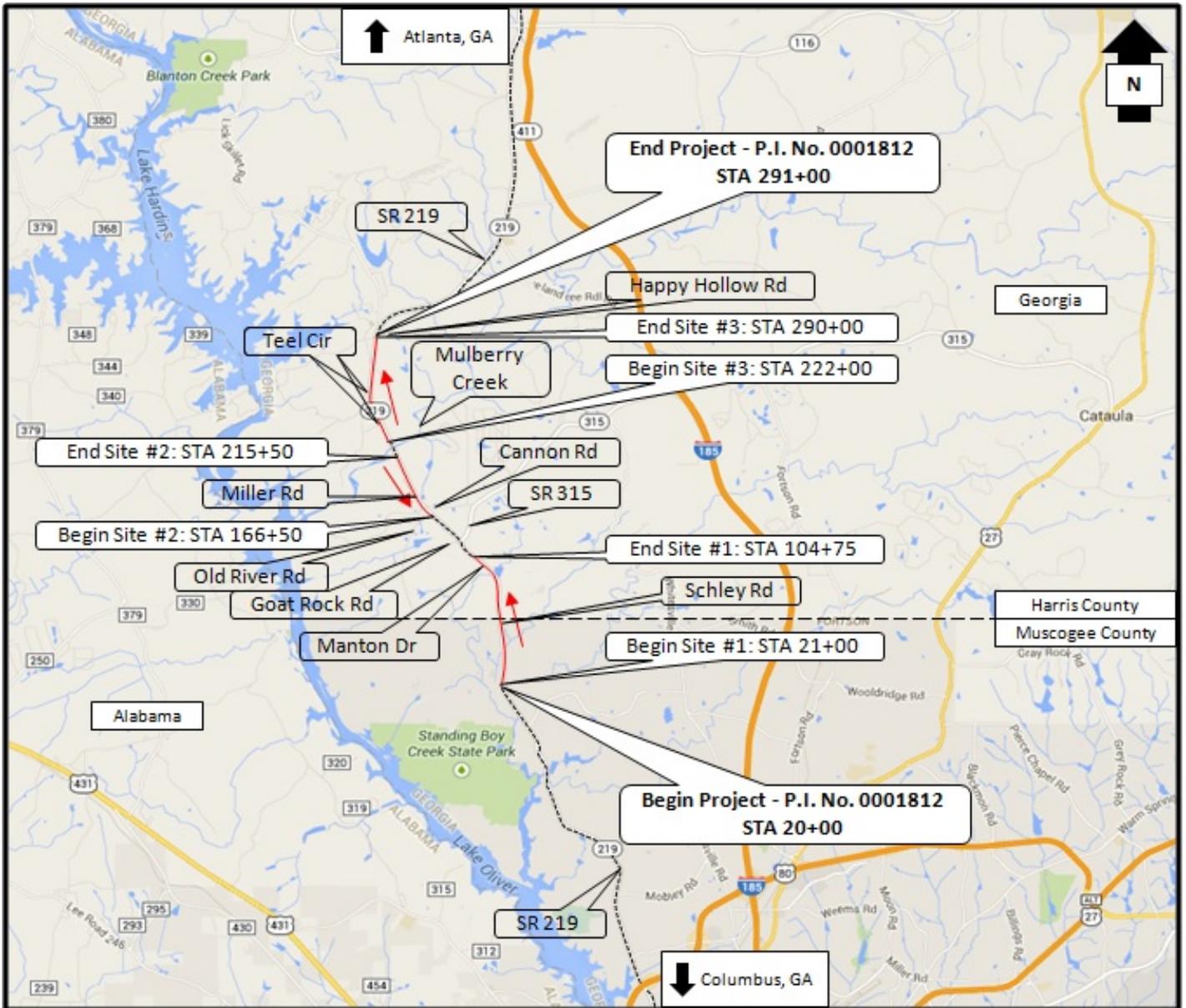
Concur: *[Signature]*
GDOT Director of Engineering

2/09/2016
DATE

Approve: *[Signature]*
GDOT Chief Engineer

2.11.16
DATE

PROJECT LOCATION



PLANNING & BACKGROUND DATA

Project Intended Benefit: This project would benefit the traveling public by providing passing lanes that will improve the flow of traffic by providing passing opportunities through rolling terrain with limited sight distance. The benefit will be providing a smoother surface for travel, along with optimizing capital asset management.

Description of the proposed project: The proposed project would add three (3) passing lanes on State Route (SR) 219 between Luther Land Bridge in Muscogee County and Happy Hollow Road in Harris County. The total length of the proposed passing lanes is approximately 3.80 miles within the approximate 5.1-mile long corridor. The proposed passing lanes extend as follows:

<u>SITE</u>	<u>LOCATION</u>	<u>LENGTH</u>	<u>LIMITS</u>	<u>DIRECTION</u>
Site 1	MP 8.17 to MP 8.60 & MP 0.00 to MP 1.16	1.59 miles	Luther Land Bridge to Manton Dr.	Northbound
Site 2	MP 2.39 to MP 3.32	0.93 mile	Mulberry Creek Bridge to Old River Rd.	Southbound
Site 3	MP 3.36 to MP 4.65	1.29 miles	Mulberry Creek Bridge to Happy Hollow Rd.	Northbound

The proposed project would provide three 12-foot lanes with 10-foot rural shoulders (6.5-foot paved) along both sides of the road on 150-170 feet of proposed right-of-way along each passing lane segment. SR 219 is part of the Chattahoochee Trace Route on the Georgia Statewide Bicycle and Pedestrian Plan. Therefore, four-foot bikeable shoulders would be incorporated into the paved shoulders along the length of the three sections. To improve intersection sight distance, Miller Road and Teel Circle will be realigned. Traffic will be maintained during construction.

Other projects in the area: PI 0013601 Luther Land Bridge Replacement – Management Let 2020; M005156 – Maintenance Resurfacing – FY 2017

Federal Oversight: Exempt State Funded TIA Other

MPO: N/A MPO Project ID

TIA Regional Commission: River Valley RC RC Project ID RC08-000060

Congressional District(s): 3

Projected Traffic: AADT
 Current Year (2014): 4180 Open Year (2020): N/A Design Year (2040): N/A

Functional Classification (Mainline): Harris County: Rural Minor Arterial
 Muscogee County: Urban Minor Arterial

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

Warrants met: None Bicycle Pedestrian Transit

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

DESIGN AND STRUCTURAL DATA - Mainline Design Features: SR 219

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes	2	2	3
- Lane Width(s)	12	12	12
- Median Width & Type	None	None	None
- Outside Shoulder or Border Area Width	0-2 feet	10' (6.5' Paved)	10' (6.5' Paved)
- Outside Shoulder Slope	Varies	6%	6%
- Auxiliary Lanes	None	None	1
Posted Speed	55		55
Design Speed	55	55	55
Min Horizontal Curve Radius	1146	1060	1165
Maximum Superelevation Rate	8.7%	6-8%	6%
Maximum Grade	6.47%	5-6%	5.88%
Access Control	By Permit	By Permit	By Permit
Design Vehicle		WB40 or Bus40	WB40 or Bus40
Pavement Type	Asphalt	Asphalt	Asphalt

*According to current GDOT design policy if applicable

Major Structures:

Structure ID	Existing	Proposed
215-0040-0	2-lane, concrete bridge	No Impacts
145-0064-0	2-lane, concrete bridge	No Impacts

Major Interchanges/Intersections: SR 315/Goat Rock Road, Old River Road/Cannon Road

Lighting Required: No Yes

Transportation Management Plan [TMP] Required: No Yes

If Yes: Project classified as: Non-Significant Significant

TMP Components Anticipated: TTC TO PI

Will Context Sensitive Solutions procedures be utilized? No Yes

Design Exceptions to FHWA/AASHTO controlling criteria anticipated: Vertical Curve Minimum K Value (Existing)

Design Variances to GDOT Standard Criteria anticipated: None

UTILITY AND PROPERTY

Railroad Involvement: None

Utility Involvements: AT&T, Charter Cable, GA Power Transmission, Diverse Power, Harris County Water and Enterprise Products all have facilities within the project limits.

SUE Required: No Yes

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

Right-of-Way: Existing width: 200 ft. Maximum Proposed width: 300 ft. Maximum
Required Right-of-Way anticipated: No Yes Undetermined

Easements anticipated: None Temporary Permanent Utility Other

Anticipated number of impacted parcels:	53
Total Displacements Anticipated:	0
Businesses:	0
Residences:	26
Other:	27

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? Muscogee No Yes
Harris No Yes

Environmental Permits/Variances/Commitments/Coordination anticipated

Due to the number of streams along the corridor, it is anticipated that a Section 404 of the Clean Water Act (CWA) nationwide permit 14 (including a Jurisdictional Determination and site visit with the USACE) would be required, as well as a Georgia Environmental Protection Division (EPD) Stream Buffer Variance. Federal laws may apply to the project including Section 106 of the National Historic Preservation Act (NHPA), and Section 7 of the Endangered Species Act (ESA) of 1973. Coordination

County: Muscogee/Harris

with the Georgia State Historic Preservation Office (SHPO), and Georgia Department of Natural Resources (DNR) will be needed.

NEPA/GEPA Comments & Information:

Ecology: During field surveys, 7 perennial streams, 7 intermittent streams, 10 ephemeral channels, 2 wetlands, and 1 open water were identified. Impacts to streams are anticipated, requiring a Section 404 Nationwide Permit 14 and a Georgia EPD Stream Buffer Variance. Relict trillium (federally endangered) was identified during field surveys; however, the survey was outside of the recommended survey period. Additional surveys will be conducted during the survey period, which is mid-March through April. Suitable habitat is present for state protected Croomia, Allegheny-spurge, and Little River black-eyed Susan. None of these species was identified during field surveys. The expected biological determination for these species is “no significant adverse effect.” Suitable habitat is present for the federally endangered fringed campion. No fringed campion was identified during field surveys. The expected recommended biological determination would be “may affect, but not likely to adversely affect.” Suitable habitat is present for the state protected Highscale shiner and Chattahoochee crayfish. The expected recommended biological determination would be “no significant adverse effect” for these aquatic species. Coordination under Section 7 of the ESA may be required for the fringed campion and the relict trillium. Impacts to these resources will be documented in an Assessments of Effects report.

History: Of the 15 resources identified within the project corridor, 6 have been recommended eligible for listing in the National Register of Historic Places, including portions of the Woodall-Schley Farm, portions of The Terry House, The Bundt House, Fairview Plantation, The Hartman House, and the Brawner-Land Farm. Effects to these resources will be evaluated in an Assessment of Effects report.

Archaeology: One resource, a historic cemetery, was identified during the background investigation in the northwest corner of the intersection of SR 219 with SR 315. Effects to the resource and a thorough field investigation to identify additional resources will be conducted once the design has been further refined, though impacts to the historic cemetery are not anticipated as this section of SR 219 is outside of the limits of the passing lane segments.

Air: Effects to air quality are not expected to result from implementation of the proposed project.

Noise: Noise effects will be analyzed for historic resources, though no noise-related adverse effects to historic resources are expected.

Public Involvement: Public involvement, including information meetings, workshops, or hearings, are not expected to be required. As a Transportation Investment Act (TIA) project, the voters of the River Valley region of Georgia approved of this project in a 2010 tax referendum.

PROJECT RESPONSIBILITIES

Project Activities:

Project Activity	Party Responsible for Performing Task(s)
Concept Development	T.Y. Lin International
Design	T.Y. Lin International
Right-of-Way Acquisition	GDOT
Utility Relocation	GDOT/Utility Companies
Letting to Contract	GDOT
Construction Supervision	GDOT
Providing Material Pits	Contractor
Environmental Studies, Documents, and Permits	Edwards-Pitman Environmental
Environmental Mitigation	GDOT
Construction Inspection & Materials Testing	GDOT

Other coordination to date: Meeting with Harris County Officials 6/16/15; Held Concept Team Meeting 1/4/2016

Project Cost Estimate and Funding Responsibilities:

	Breakdown of PE	Breakdown of ROW	Breakdown of Reimbursable Utilities	Breakdown of CST	Total Cost
TIA Programmed Budget					\$17,690,438
Funded By	TIA	TIA	TIA	TIA	
Date of Estimate	1/8/15	7/07/15	11/11/15	7/3/15	
Estimated Amount	\$1,175,000	\$1,286,468	\$349,752.13	\$9,856,017.00	
Budget Contingency	\$135,807.50	\$34,291.32	\$127,656.14	\$1,205,932.05	
Total Estimated Cost	\$1,310,807.50	\$1,320,759.32	\$477,408.27	\$11,061,949.05	\$14,170,924.14

Note: 1. Budget Contingency includes project contingency, program contingency, and program level of effort costs

ALTERNATIVES

Preferred Alternative: Three 12-foot passing lane segments totaling 3.80 miles with 10-foot shoulders (6.5-foot) paved along the widening sections on both sides of the road.

Estimated Property Impacts:	30.6 Acres	Estimated Total Cost:	\$14,170,924.14
Estimated ROW Cost:	\$1,106,341.32	Estimated CST Time:	24 months

Rationale: Meet the purpose of the project for all 3 sections of passing lanes while improving shoulders on both sides of the road.

Alternative 1: Three 12-foot passing lane segments totaling 3.80 miles with 10-foot shoulders (6.5-foot)

County: Muscogee/Harris

Alternative 1: Three 12-foot passing lane segments totaling 3.80 miles with 10-foot shoulders (6.5-foot) paved along the widening sections only on the widened side.

Estimated Property Impacts:	22 Acres	Estimated Total Cost:	\$9,755,527.23
Estimated ROW Cost:	\$652,410	Estimated CST Time:	18 months
Rationale: Additional Improvements can be added to the project within the programmed budget.			

Comments/additional information:

Attachments:

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

Project Sheet

Project Number: RC08-000060 **Project Name:** SR 219 Passing Lanes from Luther Land Bridge to Happy Hollow Road Improvements

GDOT ID: 0001812

Project Description: A passing lane will be constructed along SR 219 from Luther Land Bridge to Happy Hollow Road.

Regional Commission: River Valley

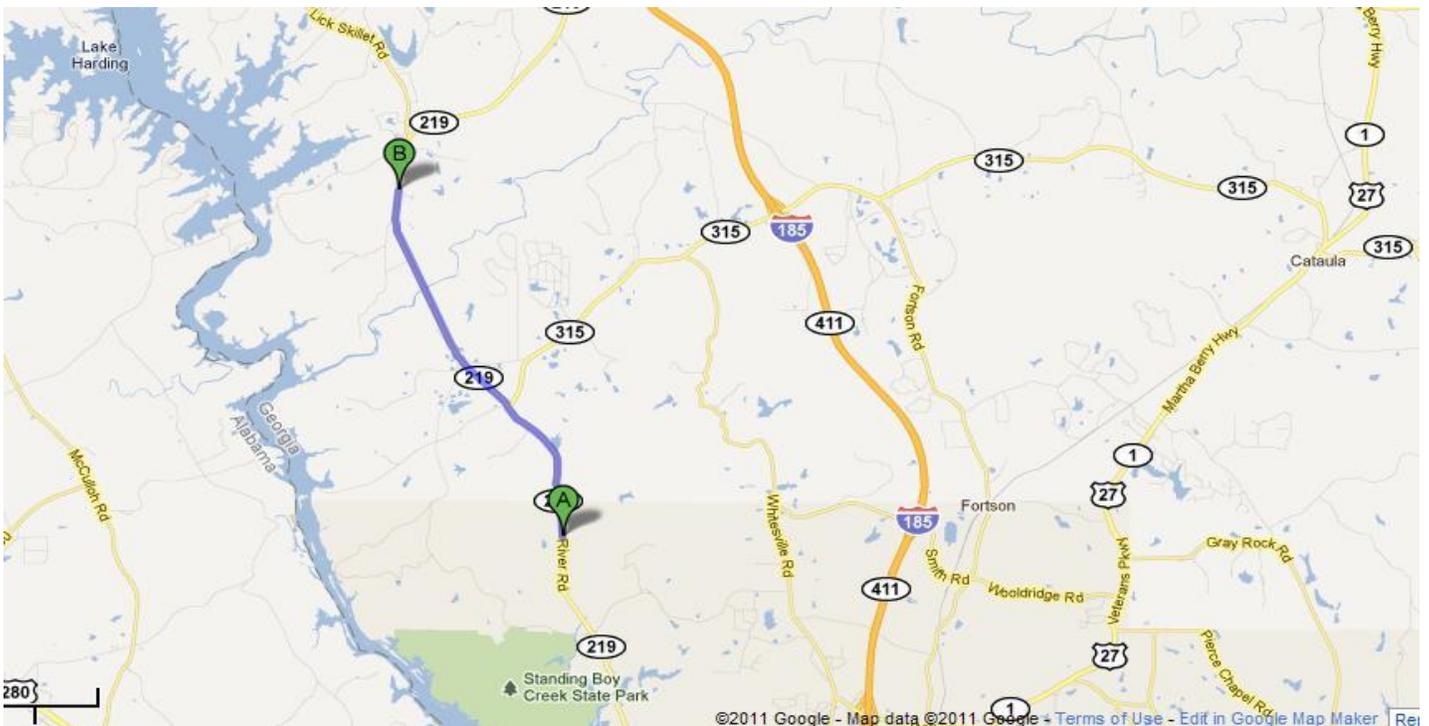
County: Muscogee County

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	\$1,597,736	\$1,597,736	
ROW	\$403,427	\$403,427	
CST	\$14,187,438	\$14,187,438	
UTL	\$1,501,837	\$1,501,837	
Total	\$17,690,438	\$17,690,438	

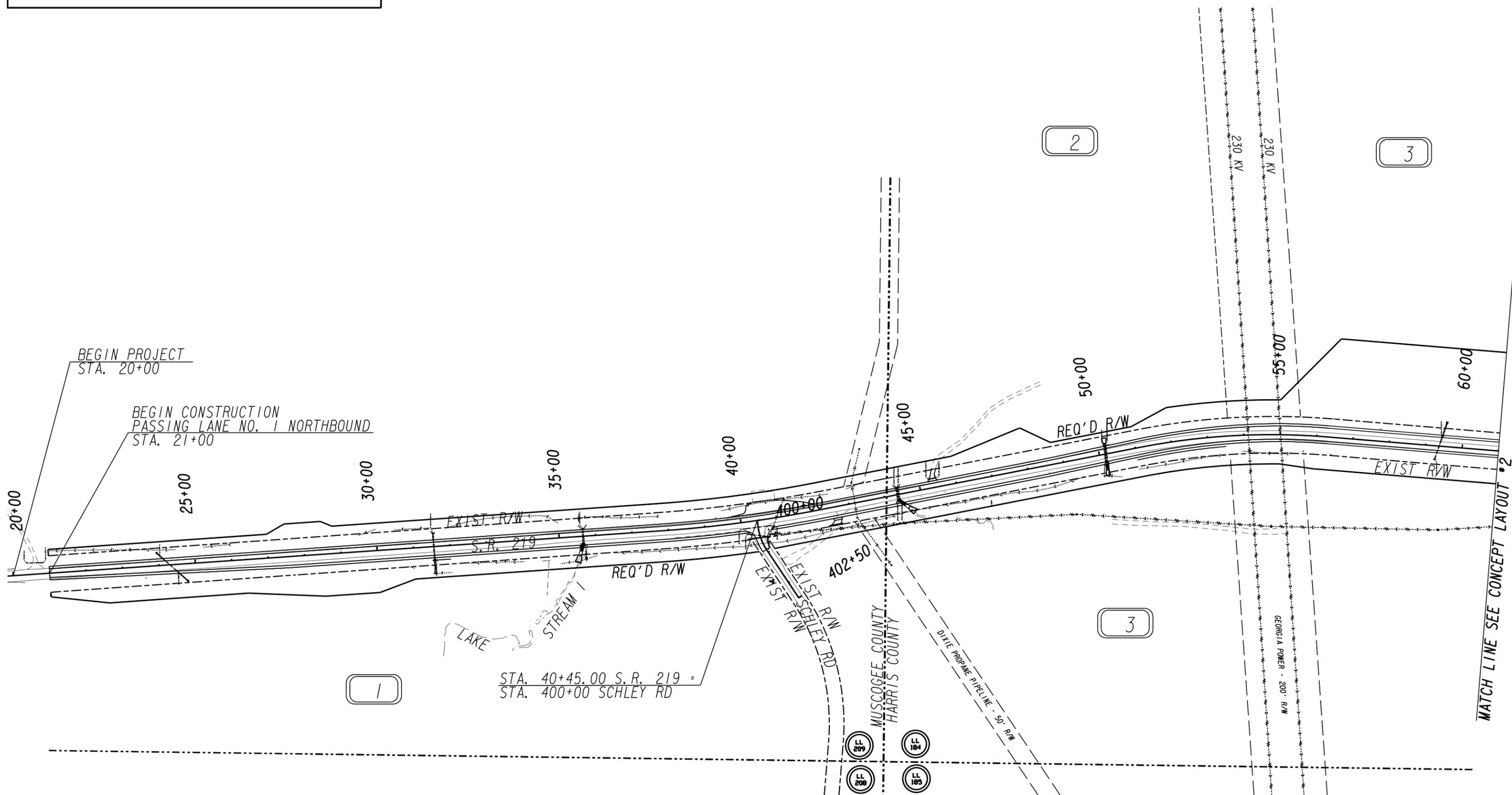
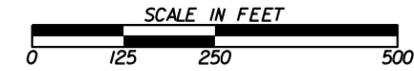
Public Benefit	Notes
Ensuring Safety and Security	This project would benefit the public by potentially reducing the incidence of crashes along this roadway segment, corridor, and/or intersection.
Maximizing the value of Georgia's Assets	This project could potentially maximize the full utility of an existing 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	This project would benefit the traveling public by providing passing lanes that will improve the flow of traffic and decrease the frequency and severity of crash incidents. The benefit will be providing a smoother surface for travel, along with optimizing capital asset management.
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Project Location

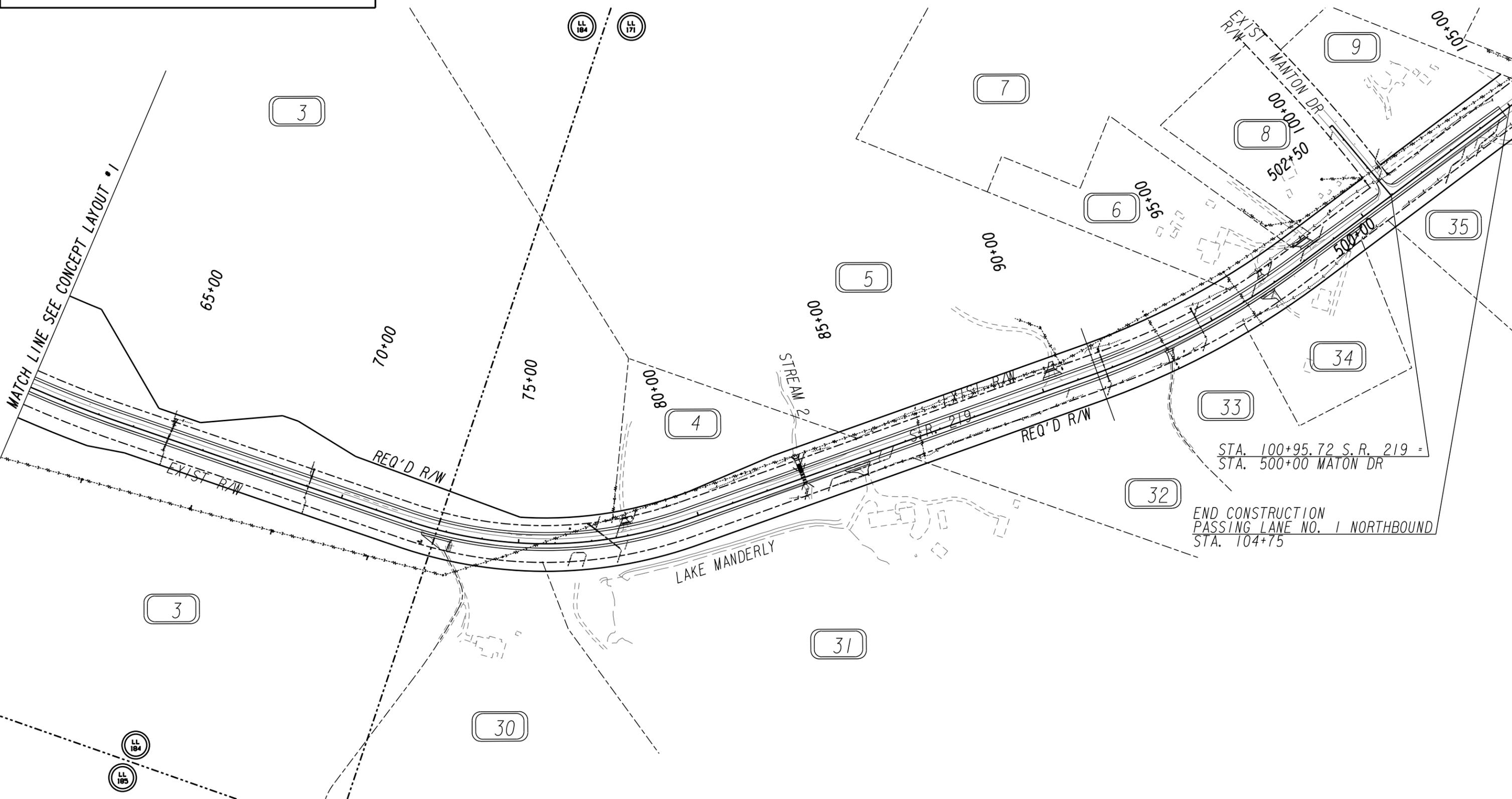


P.I. NO. 0001812
 SR 219 PASSING LANES
 CONCEPT DISPLAY #1



TYLIN INTERNATIONAL
 260 PEACHTREE STREET SUITE 900
 ATLANTA, GEORGIA 30303
 PHONE: (404) 841-7886 FAX: (404) 841-7887

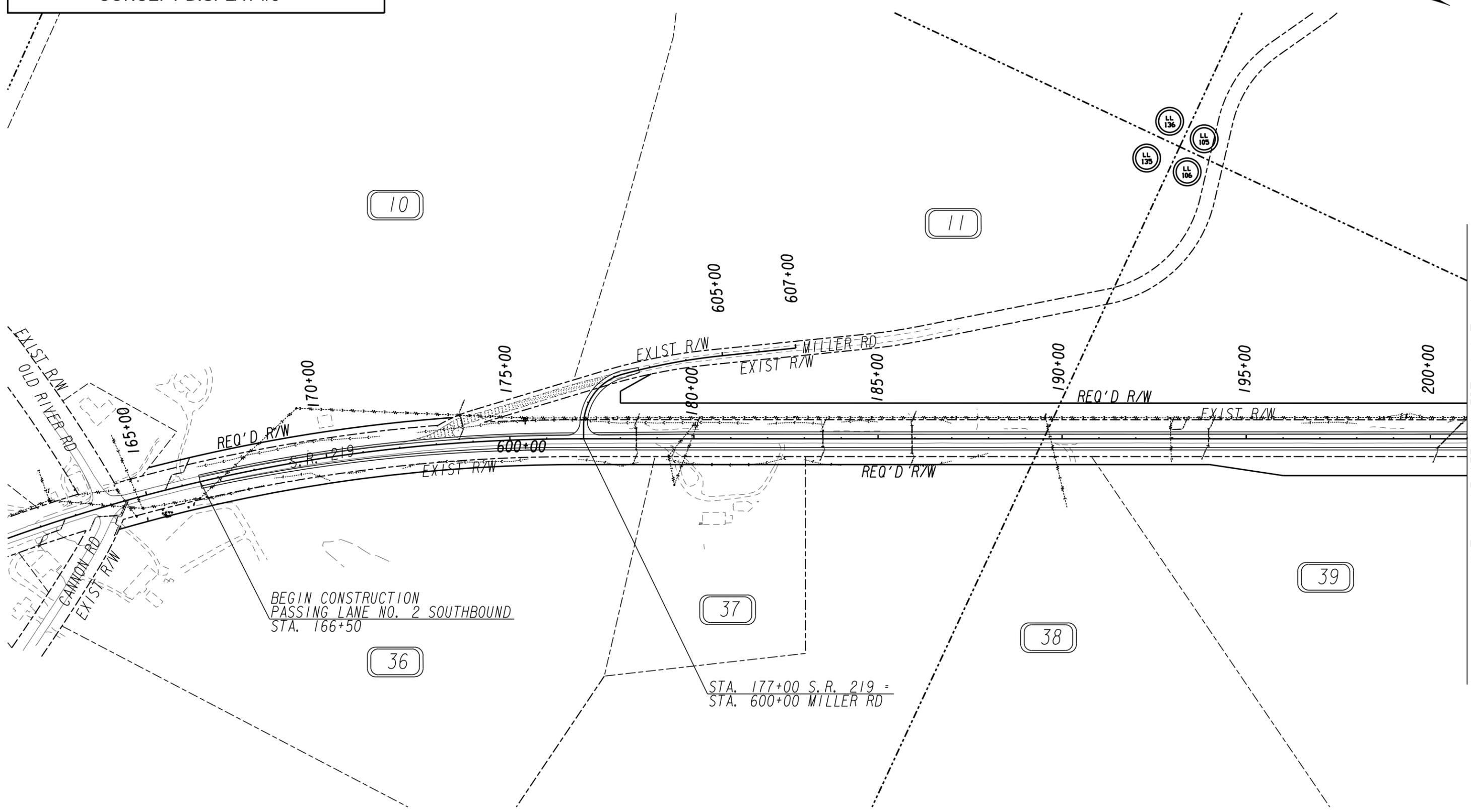
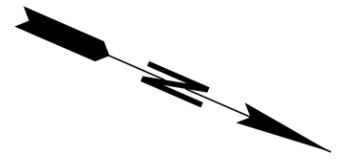
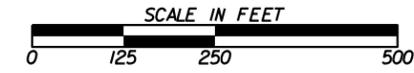
P.I. NO. 0001812
 SR 219 PASSING LANES
 CONCEPT DISPLAY #2



STA. 100+95.72 S.R. 219 =
 STA. 500+00 MANTON DR

END CONSTRUCTION
 PASSING LANE NO. 1 NORTHBOUND
 STA. 104+75

P.I. NO. 0001812
 SR 219 PASSING LANES
 CONCEPT DISPLAY #3



BEGIN CONSTRUCTION
 PASSING LANE NO. 2 SOUTHBOUND
 STA. 166+50

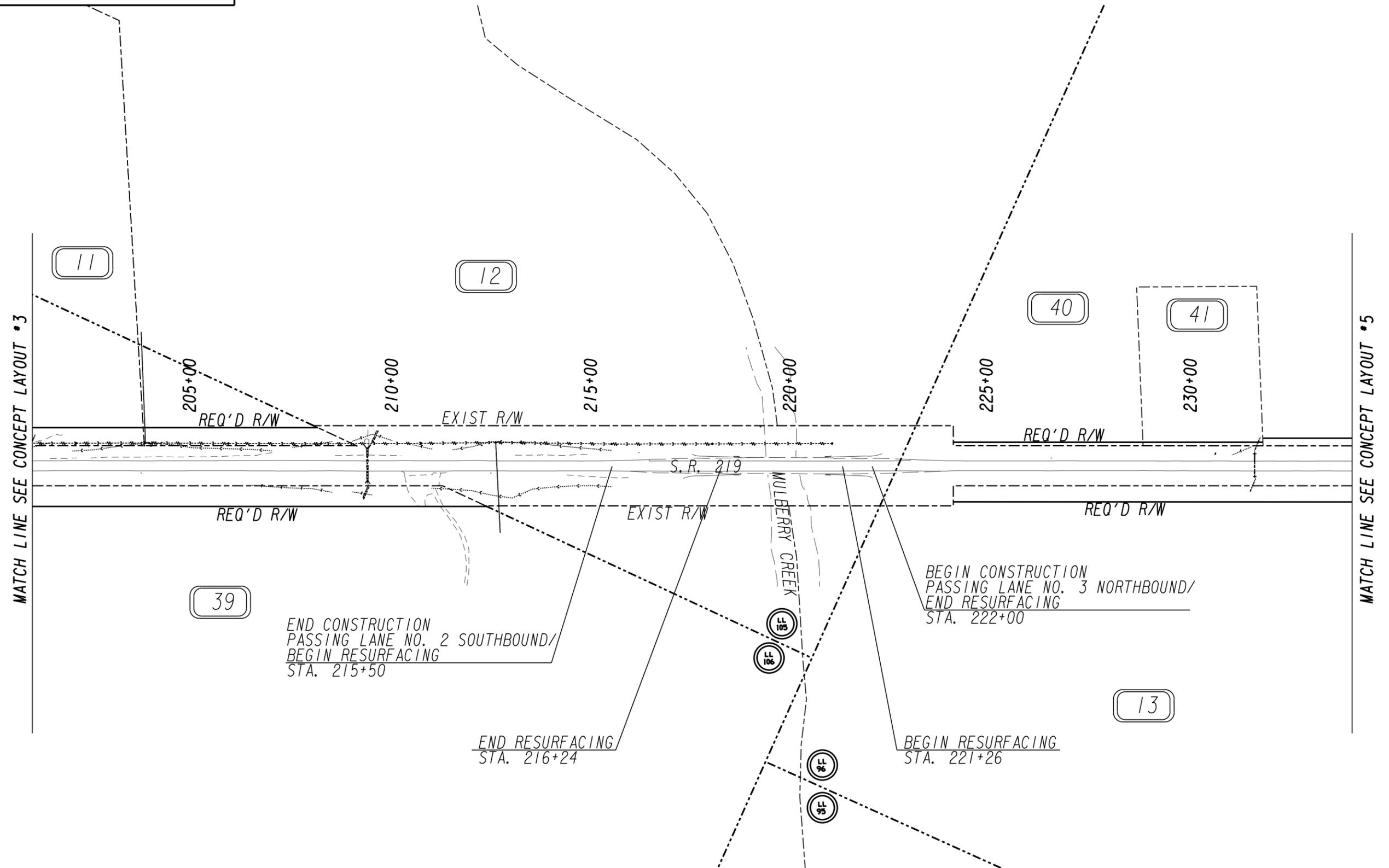
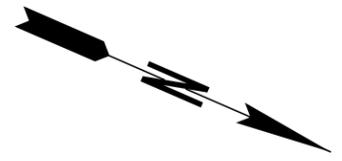
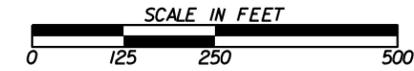
STA. 177+00 S.R. 219 =
 STA. 600+00 MILLER RD

MATCH LINE SEE CONCEPT LAYOUT #4

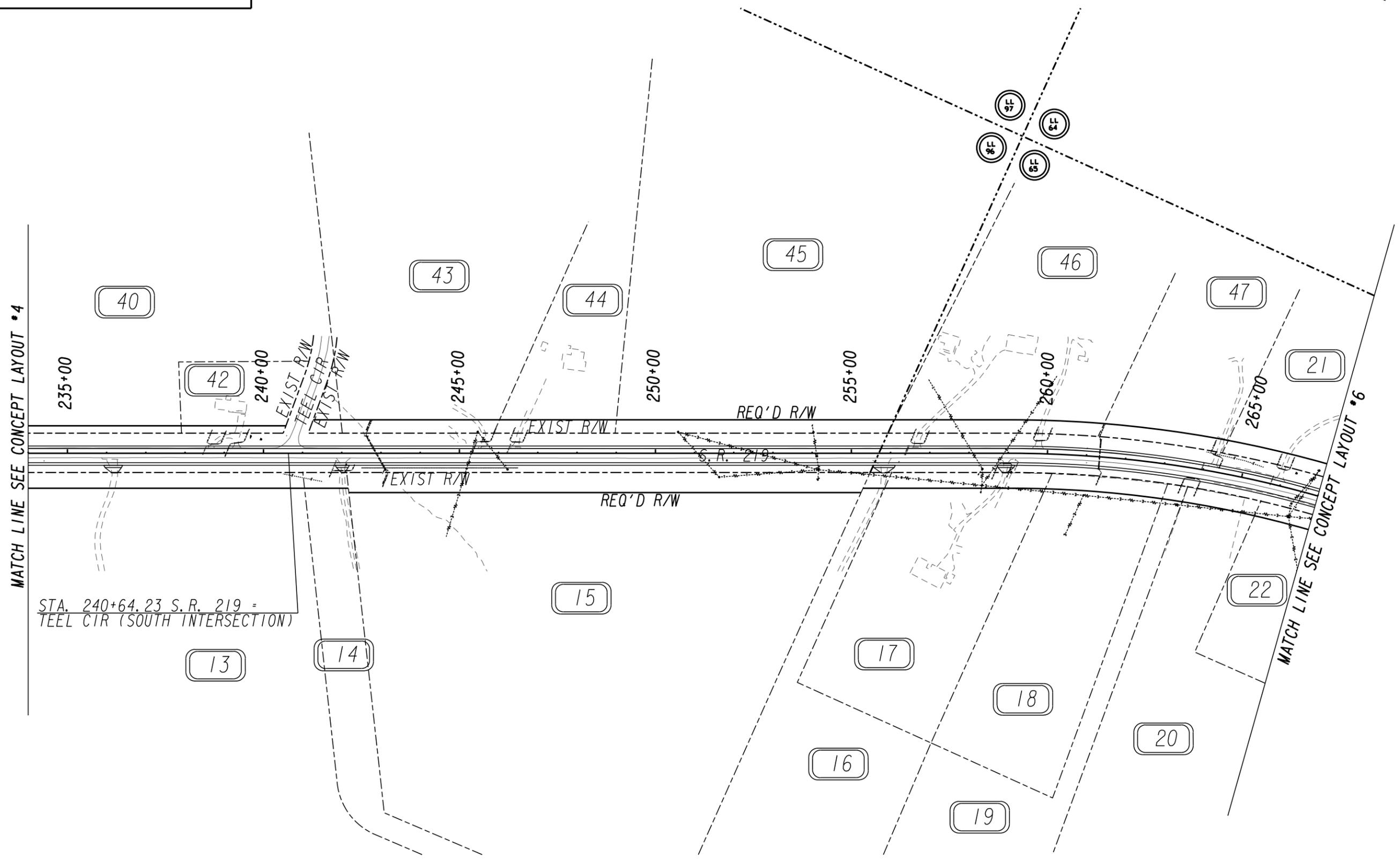
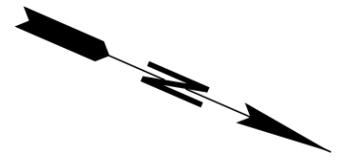
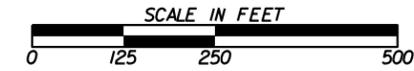


TYLIN INTERNATIONAL
 260 PEACHTREE STREET SUITE 900
 ATLANTA, GEORGIA 30303
 PHONE: (404) 841-7886 FAX: (404) 841-7887

P.I. NO. 0001812
 SR 219 PASSING LANES
 CONCEPT DISPLAY #4

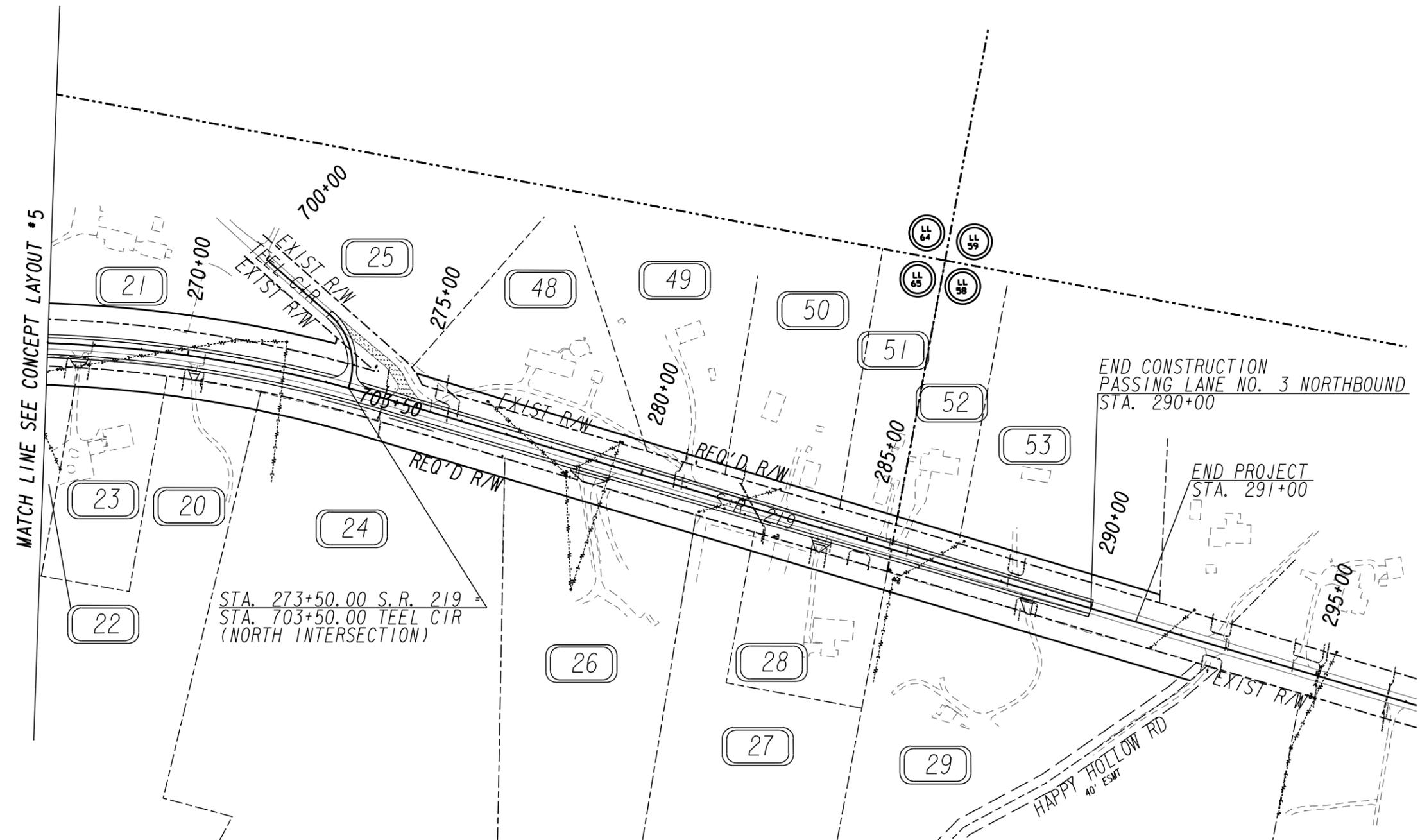
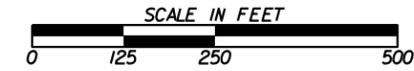


P.I. NO. 0001812
 SR 219 PASSING LANES
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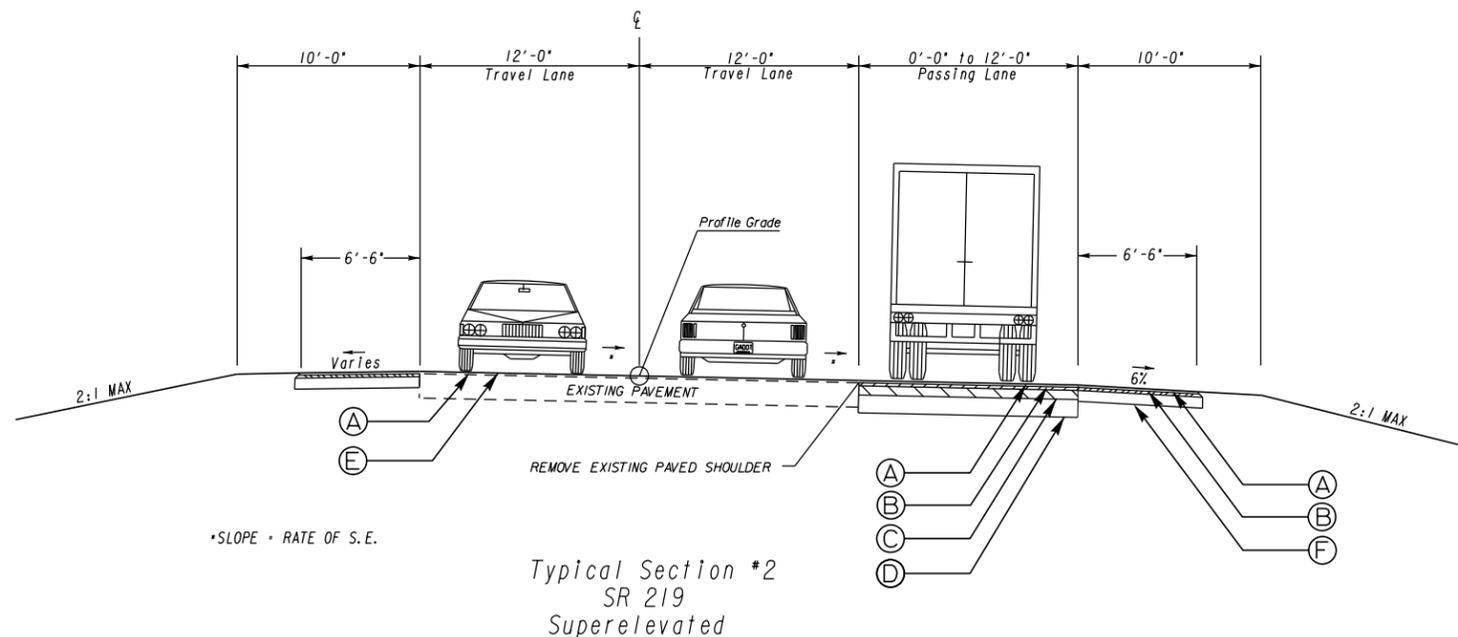
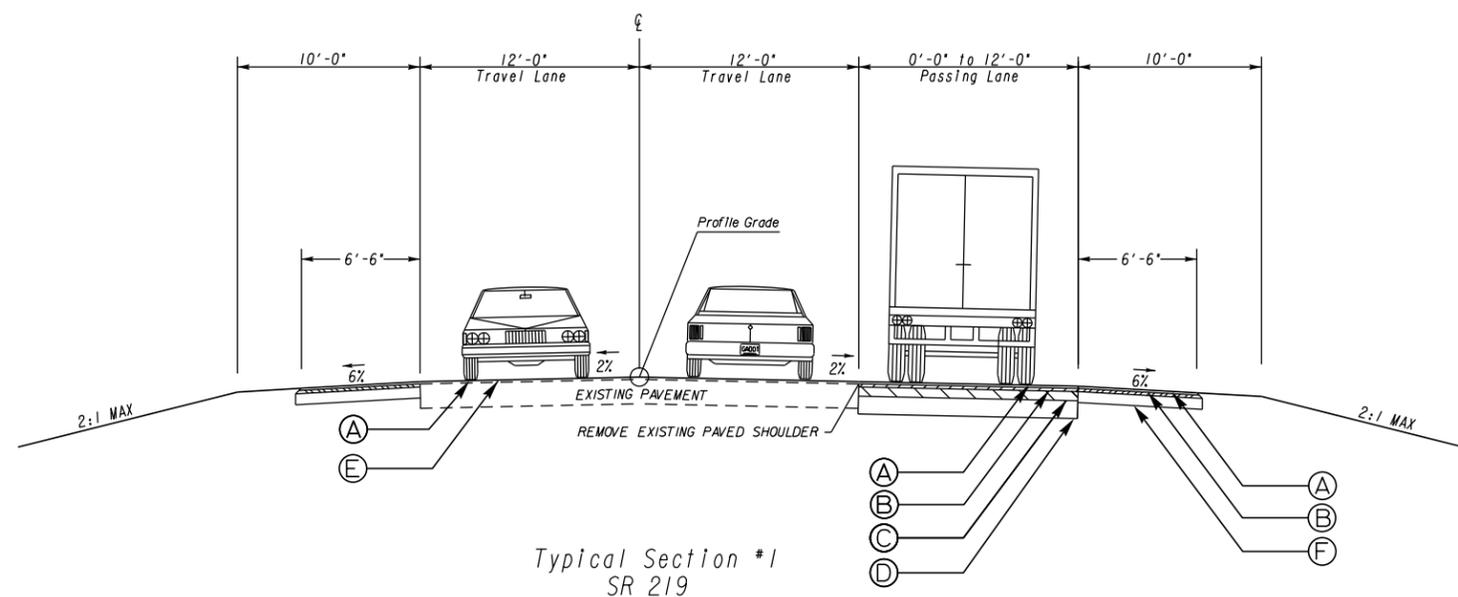


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P.I. NO. 0001812
 SR 219 PASSING LANES
 CONCEPT DISPLAY #6



TYLIN INTERNATIONAL
 260 PEACHTREE STREET SUITE 900
 ATLANTA, GEORGIA 30303
 PHONE: (404) 841-7886 FAX: (404) 841-7887



- (A) RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL & H LIME, 165 LBS/SQ YD
- (B) RECYCLED ASPH CONC 19 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME, 220 LBS/SQ YD
- (C) RECYCLED ASPH CONC 25 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME, 440 LBS/SQ YD
- (D) GR AGGR BASE CRS, 12 INCH, INCL MATL
- (E) MILL AND INLAY, 1-1/2 IN
- (F) GR AGGR BASE CRS, 6 INCH, INCL MATL

*SLOPE = RATE OF S.E.



GEORGIA
DEPARTMENT
OF
TRANSPORTATION

TYLIN INTERNATIONAL
260 PEACHTREE STREET SUITE 900
ATLANTA, GEORGIA 30303
PHONE: (404) 841-7886 FAX: (404) 841-7887

NOT TO SCALE

REVISION DATES

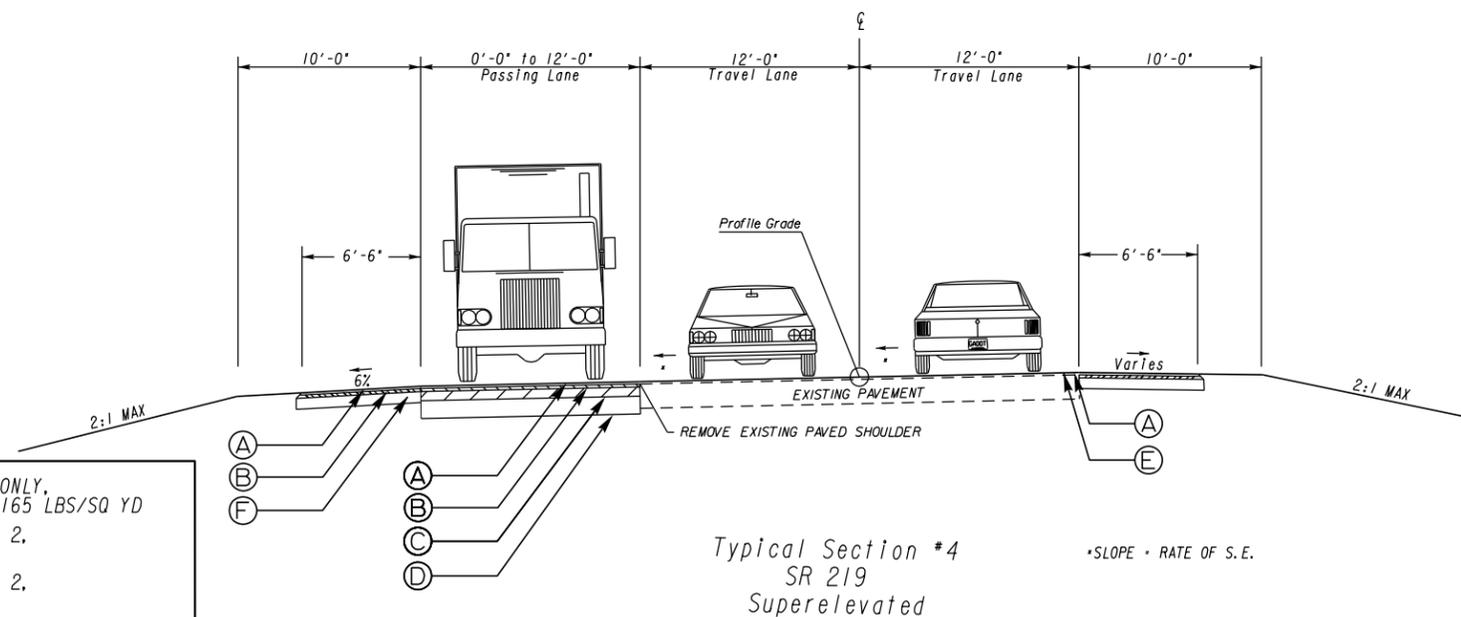
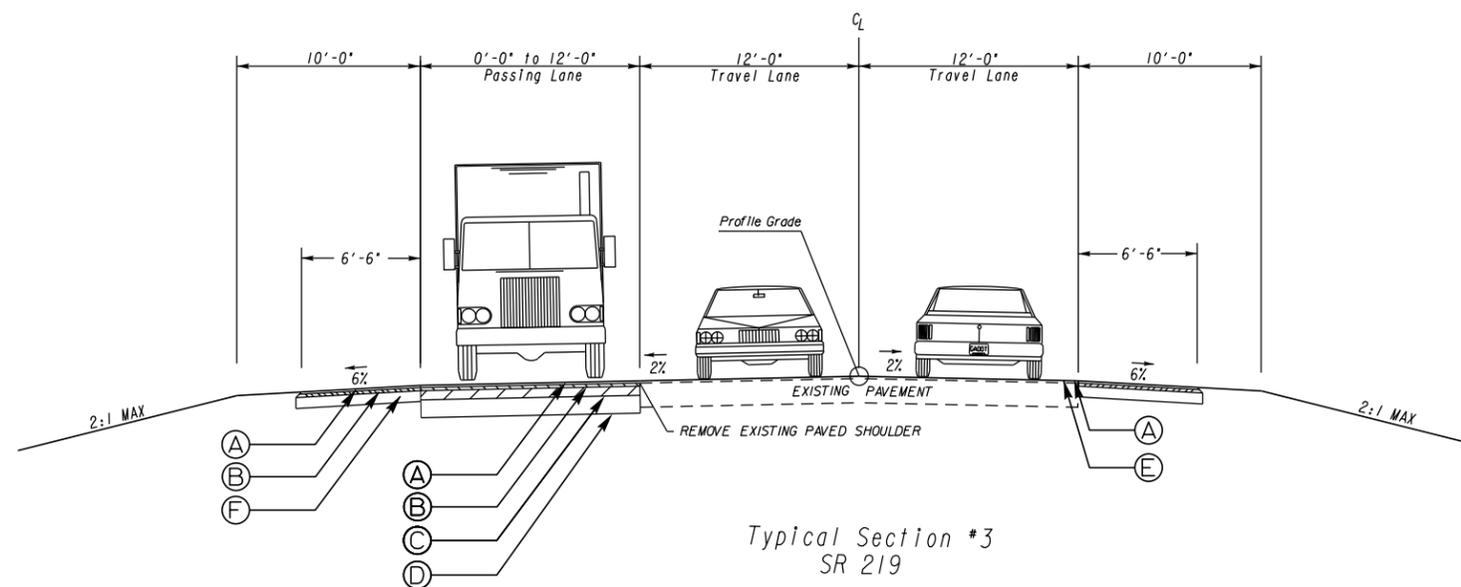
NO.	DATE	DESCRIPTION

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: TIA

CONCEPT TYPICAL SECTIONS

SR 219 PASSING LANES

DRAWING No. 05-001



- (A) RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL & H LIME, 165 LBS/SQ YD
- (B) RECYCLED ASPH CONC 19 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME, 220 LBS/SQ YD
- (C) RECYCLED ASPH CONC 25 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME, 440 LBS/SQ YD
- (D) GR AGGR BASE CRS, 12 INCH, INCL MATL
- (E) MILL AND INLAY, 1-1/2 IN
- (F) GR AGGR BASE CRS, 6 INCH, INCL MATL



GEORGIA
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260 PEACHTREE STREET SUITE 900
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NOT TO SCALE

REVISION DATES	

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: TIA
CONCEPT TYPICAL SECTIONS

SR 219 PASSING LANES

DRAWING No. 05-002

Project: P.I. No. 0001812 - Fixed Selected K Values
 Date: 9/9/2015

Pay Item	Item Description	Unit	Quantity	Unit Price	Cost
ROADWAY					
150-1000	TRAFFIC CONTROL	LS	1	\$ 900,000.00	\$ 900,000.00
210-0100	GRADING COMPLETE	LS	1	\$ 1,500,000.00	\$ 1,500,000.00
310-1101	GR AGGR BASE CRS, INCL MATL	TN	35066	\$ 35.00	\$ 1,227,310.00
318-3000	AGGR SURF CRS	TN	500	\$ 21.00	\$ 10,500.00
402-1812	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	TN	1000	\$ 100.00	\$ 100,000.00
402-3113	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	TN	10065	\$ 100.00	\$ 1,006,500.00
402-3121	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	TN	8124	\$ 100.00	\$ 812,400.00
402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	TN	4072	\$ 100.00	\$ 407,200.00
413-1000	BITUM TACK COAT	GL	8350	\$ 3.00	\$ 25,050.00
441-0204	PLAIN CONC DITCH PAVING, 4 IN	SY	656	\$ 32.00	\$ 20,992.00
456-2015	INDENTATION RUMBLE STRIPS - GROUND-IN-PLACE (SKIP)	GLM	8	\$ 1,250.00	\$ 10,000.00
626-1010	WALLS	SF	11250	\$ 43.00	\$ 483,750.00
634-1200	RIGHT OF WAY MARKERS	EA	75	\$ 109.00	\$ 8,175.00
641-1200	GUARDRAIL, TP W	LF	6000	\$ 17.00	\$ 102,000.00
641-5001	GUARDRAIL ANCHORAGE, TP 1	EA	24	\$ 849.00	\$ 20,376.00
641-5012	GUARDRAIL ANCHORAGE, TP 12	EA	24	\$ 1,989.00	\$ 47,736.00
				Subtotal	\$ 6,681,989.00
DRAINAGE					
550-XXXX	CULVERT EXTENSIONS	LS	1	\$ 300,000.00	\$ 300,000.00
550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	LF	1950	\$ 35.00	\$ 68,250.00
550-1240	STORM DRAIN PIPE, 24 IN, H 1-10	LF	750	\$ 44.00	\$ 33,000.00
550-1360	STORM DRAIN PIPE, 36 IN, H 1-10	LF	300	\$ 50.00	\$ 15,000.00
603-2180	STN DUMPED RIP RAP, TP 3, 12 IN	SY	200	\$ 36.00	\$ 7,200.00
603-7000	PLASTIC FILTER FABRIC	SY	200	\$ 4.00	\$ 800.00
				Subtotal	\$ 424,250.00
SIGNING AND MARKING					
636-XXXX	HIGHWAY SIGNS	LS	1	\$ 60,000.00	\$ 60,000.00
652-0110	PAVEMENT MARKING, ARROW, TP 1	EA	12	\$ 70.00	\$ 840.00
653-1501	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	LF	48115	\$ 0.50	\$ 24,057.50
653-1502	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	LF	48115	\$ 0.50	\$ 24,057.50
653-4501	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	GLF	24060	\$ 0.50	\$ 12,030.00
654-1001	RAISED PVTM MARKERS TP 1	EA	550	\$ 4.30	\$ 2,365.00
654-1003	RAISED PVTM MARKERS TP 3	EA	275	\$ 3.80	\$ 1,045.00
				Subtotal	\$ 124,395.00
EROSION CONTROL					
163-XXXX	EROSION CONTROL	LS	1	\$ 1,800,000.00	\$ 1,800,000.00
				Subtotal	\$ 1,800,000.00

Construction Subtotal	\$	9,030,634.00
CEI (5.85%)	\$	528,292.09
Construction Total	\$	9,558,926.09
AC Adjustment	\$	297,090.91
	\$	9,856,017.00

PROJ. NO.

1812

CALL NO.

9/29/2009

P.I. NO.

0001812

DATE

11/19/2015

INDEX (TYPE)

REG. UNLEADED

Nov-15

\$ 2.054

DIESEL

\$ 2.430

LIQUID AC

\$ 413.00

Link to Fuel and AC Index:

<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

LIQUID AC ADJUSTMENTS

PA=[((APM-APL)/APL)]xTMTxAPL

Asphalt

Price Adjustment (PA)

288203.79

\$

288,203.79

Monthly Asphalt Cement Price month placed (APM)

Max. Cap

60%

\$ 660.80

Monthly Asphalt Cement Price month project let (APL)

\$ 413.00

Total Monthly Tonnage of asphalt cement (TMT)

1163.05

ASPHALT	Tons	%AC	AC ton
Leveling	1000	5.0%	50
12.5 OGFC		5.0%	0
12.5 mm	10065	5.0%	503.25
9.5 mm SP		5.0%	0
25 mm SP	8124	5.0%	406.2
19 mm SP	4072	5.0%	203.6
	23261		1163.05

BITUMINOUS TACK COAT

Price Adjustment (PA)

\$ 8,887.12

\$

8,887.12

Monthly Asphalt Cement Price month placed (APM)

Max. Cap

60%

\$ 660.80

Monthly Asphalt Cement Price month project let (APL)

\$ 413.00

Total Monthly Tonnage of asphalt cement (TMT)

35.8640927

Bitum Tack

Gals	gals/ton	tons
8350	232.8234	35.8640927

PROJ. NO.

1812

CALL NO.

9/29/2009

P.I. NO.

0001812

DATE

11/19/2015

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)						0	\$	-
Monthly Asphalt Cement Price month placed (APM)		Max. Cap	60%	\$	660.80			
Monthly Asphalt Cement Price month project let (APL)				\$	413.00			
Total Monthly Tonnage of asphalt cement (TMT)					0			

Bitum Tack	SY	Gals/SY	Gals	gals/ton	tons
Single Surf. Trmt.		0.20	0	232.8234	0
Double Surf.Trmt.		0.44	0	232.8234	0
Triple Surf. Trmt		0.71	0	232.8234	0
					0

TOTAL LIQUID AC ADJUSTMENT							\$	297,090.91
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Preliminary ROW Cost Estimate



PI No. 0001812

Project Name: SR 219 Passing Lanes

Date: Enter Date of Estimate (05OCT2015)

Land and Improvements	Agriculture	Residential	Commercial	Industrial	Notes
Estimate (\$/ac)	\$10,000	\$10,000	\$10,000	\$10,000	Enter Cost / Acre
Fee Simple Area (ac)	27.66	5.28	0.36	0.00	Enter Acreage
Fee Simple Estimate	\$276,630	\$52,849	\$3,603	\$0	CALCULATED FIELD
Perm Easement Area (ac)	0.00	0.00	0.00	0.00	Enter Acreage
Perm Easement Factor	50%	50%	50%	0%	Adjust Percentage as Appropriate
Perm Easement Estimate	\$0	\$0	\$0	\$0	CALCULATED FIELD
Temp Easement Area (ac)	0.00	0.00	0.00	0.00	Enter Acreage
Temp Easement Factor	25%	25%	25%	0%	Adjust Percentage as Appropriate
Temp Easement Estimate	\$0	\$0	\$0	\$0	CALCULATED FIELD
City Land Available for Swap (ac)	0.00	0.00	0.00	0.00	Enter Acreage (If required)
City Land Available for Swap Estimat	\$0	\$0	\$0	\$0	Enter Estimated Value (If required)
Proximity Damages	\$0	\$0	\$0	\$0	Enter Fees and Provide Notes as Appropriate
Consequential Damages	\$0	\$0	\$0	\$0	Enter Fees and Provide Notes as Appropriate
Cost to Cures	\$0	\$0	\$0	\$0	Enter Fees and Provide Notes as Appropriate
Improvements	\$0	\$0	\$0	\$0	Enter Fees and Provide Notes as Appropriate
Trade Fixtures	\$0	\$0	\$0	\$0	Enter Fees and Provide Notes as Appropriate
PROPERTY TYPE TOTALS	\$276,630	\$52,849	\$3,603	\$0	CALCULATED FIELD
Land and Improvements Sub Total					CALCULATED FIELD
					\$333,082
Relocation	Quantity	Estimated Cost	Totals		
Residential Tenant (Qty of Tenants)	0	\$30,000	\$0		Adjust Qty / Costs as required
Residential Owner	0	\$50,000	\$0		Adjust Qty / Costs as required
Business Displacement (Qty)	0	\$45,000	\$0		Adjust Qty / Costs as required
Pro Rata Taxes	0	\$1,000	\$0		Adjust Qty / Costs as required
Prop Pin Replacement	0	\$1,250	\$0		Adjust Qty / Costs as required
PROPERTY TYPE TOTALS	0		\$0		CALCULATED FIELD
Relocation Sub Total				\$0	CALCULATED FIELD
Valuation Services	Agriculture	Residential	Commercial	Industrial	
Appraisals (# of Parcels)	26	26	1	0	Adjust Parcels as required
Estimated Fee (per Parcel)	\$3,000	\$3,000	\$3,000	\$3,000	Enter Estimated Fee per Parcel
Total Appraisals	\$78,000	\$78,000	\$3,000	\$0	CALCULATED FIELD
Specialty Reports	\$0	\$0	\$0	\$0	Enter Estimated Costs and Provide Notes
Estimated Fees	\$800	\$800	\$800	\$800	Enter Estimated Fees and Provide Notes
PROPERTY TYPE TOTALS	\$78,800	\$78,800	\$3,800	\$800	CALCULATED FIELD
Valuation Services Sub Total				\$162,200	CALCULATED FIELD
Legal Services	Parcels	Estimated Fees	Totals		
Meeting with Attorney	53	\$125	\$6,625		Adjust Parcels / Fees as required (using best judgement)
Preliminary Titles	53	\$200	\$10,600		Adjust Parcels / Fees as required
Closing and Final Title	53	\$300	\$15,900		Adjust Parcels / Fees as required
Recording Fees	53	\$50	\$2,650		Adjust Parcels / Fees as required
Condemnation	5	\$30,000	\$150,000		Adjust Parcels / Fees as required
Legal Services Sub Total				\$185,775	CALCULATED FIELD
Administrative	Parcels	Man Hours/Parcel	Totals		
Pre-Acquisition	53	40	\$106,000		Adjust Parcels / Fees as required
Acquisition	53	100	\$265,000		Adjust Parcels / Fees as required
Administrative Appeals	8	50	\$20,000		Calculates as 15% of Acq Parcel Count (Adjust if Necessary)
Administrative Sub Total				\$391,000	CALCULATED FIELD
Contingency					
Overall Contingency	20%	\$214,411			Enter Percentage for Contingency (Default = 20%)
Total Estimated Costs				\$1,286,468	CALCULATED FIELD

Meeting Date	December 5, 2016
Meeting Time	10:00am to 11:30am
Meeting Location	D3A2 Office - 3600 Schatulga Road, Columbus, GA
Facilitator	Dan Bodycomb – GDOT PM
Minutes Prepared By:	Tom Ziegler
Topic	PI 0001812 – SR 219 Passing Lanes from Luther Land Bridge to Happy Hollow Road – Concept Team Meeting

Attendees – See Attached

Meeting Summary

The Concept Team Meeting for the SR 219 Passing Lanes project from Luther Land Bridge to Happy Hollow Road in Muscogee and Harris Counties was held at the GDOT Area 2 office. Dan Bodycomb, the GDOT TIA PM began the meeting with an overview and led the introductions. Tom Ziegler, the T.Y. Lin International (TYLI) PM gave a project overview.

- I. WELCOME (Dan Bodycomb)
- II. INTRODUCTION OF EACH ATTENDEE
- III. PROJECT DEVELOPMENT SCHEDULE
 - Dan Bodycomb indicated a current let date of October 2019.
 - This project is a part of Band 2 which ends in 2020.
- IV. DESIGN TEAM PRESENTATION (Tom Ziegler)
 - The project limits extend from Luther Land Bridge to Happy Hollow Road along SR 219 a distance of 5.1 miles.
 - The proposed project adds 3.8 miles of passing lanes in three segments on SR 219. The most southern and northern sections are for northbound passing lanes while the middle section is a southbound passing lane.
 - Intersections at Teel Road and at Miller Road will be realigned in order to improve skew angles/intersection sight distance.
 - The project is mostly in Harris County (Rural Minor Arterial) with a small portion in Muscogee County (Urban Minor Arterial).
 - SR 219 is on the Statewide Bicycle Plan. The paved shoulders will be constructed with bicycle friendly rumble strips. Bike Route and “Share the Road” signage will be incorporated into the project design.
 - The proposed typical section consists of three 12 foot lanes with 10’ shoulders (6.5’ paved) on each side.
 - Emphasized that this was a TIA project.
 - Current year traffic is 4180. Additional traffic projections were not included because traffic analysis was not included in the scope of services.
 - Reviewed the “Design and Structural Data – Mainline Design Features” table.

- Mentioned the two major intersections with SR 219 along the corridor: SR 315/Goat Rock Road, and Old River Road/Cannon Road.
- A portion of the shoulders are anticipated to be used as bicycle lanes.
- The only design exceptions anticipated for this project are for not meeting the Vertical Curve Minimum K Value in several locations because of matching the existing grades. We are improving the substandard vertical curves in two locations and adjusting steep grades in one section to yield a maximum proposed grade of 5.89%.
- Design Variances are not anticipated.
- SUE is not required.
- Existing Right of Way width is approximately 200' while the maximum proposed width is 300'.
- We anticipate impacting 53 parcels located along the project. There are not any displacements. There are 26 residential properties being impacted and 27 "other" parcels being affected.
- Anticipated environmental document will be a Type B Letter.
- We anticipate the need for a Section 404 permit because of the numerous streams located along the corridor along with potential stream buffer variances. Because a Section 404 permit is anticipated several federal laws will apply including Section 106 of the National Historic Preservation Act, and the Endangered Species Act of 1973. Coordination with Georgia SHPO, Georgia DNR, and the USFWS will be required. We anticipate stream and wetland mitigation will be required.
- Review summary of project responsibilities.
- Recognized that a previous coordination meeting was held with Harris County officials on 6/16/2015.
- Reviewed the "Project Cost Estimate and Funding Responsibilities" table and stated that several options were considered that resulted in different project cost scenarios. Other options considered included improving shoulders on only one side of the road, adding shoulders for the entire corridor, and correcting all of the areas where existing roadway did not meet the minimum "K" value.
- Roll plots were taped to the wall. Key features/elements were identified/discussed.
- Section 1 – Proposed northbound passing lane begins just north of Luther Land Bridge and ends approximately 400 feet north of Manton Drive. The widening begins on the east side and shifts to the west. Extensive rock is anticipated on the west side, however, a stream is located on the east side preventing us from shifting the roadway to the east. We anticipate retaining walls in this area to minimize impacts, but have not started geotechnical investigations yet. Adjustments may be made based upon geotechnical information. There are two significant utilities in this area: 1) propane gas lines, and 2) Georgia Power electrical lines. In addition, we are avoiding Lake Manderly which is located on the east side.
- Section 2 – Proposed southbound passing lane begins just north of the SR 219 intersection with Old River Road/Cannon Road and ends a few hundred feet from the bridge over Mulberry Creek. The Miller Road (Girl Scout entrance) intersection is proposed to be realigned to improve the skew angle and site distance.
- Section 3 - Proposed northbound passing lane begins just north of the bridge over Mulberry Creek and ends prior to Happy Hollow Road. The Teel Circle intersection is proposed to be realigned to improve the skew angle and site distance.

V. OTHER PROJECTS IN AREA (Dan Bodycomb)

- M005156 - Maintenance (pavement overlay) project that encompasses the SR 219 passing lane project. The TIA Office is currently coordinating with GDOT Maintenance and this project will probably be twinned with PI-0001812.
- Luther Land Bridge replacement project.

VI. PUBLIC OFFICIALS

- Becky Langston, Harris County District 3 Commissioner, attended the meeting. Ms. Langston thanked GDOT for including her so that she could keep people in her district/county informed about the proposed improvements.

VII. RIGHT OF WAY (GDOT)

- Right of way for this project will be on a 12 month schedule.

VIII. ENVIRONMENTAL

- Hard copy comments were previously provided by Dan Bodycomb earlier in the meeting.
- TYLI indicated that MS4 requirements were not previously identified in their scope, however, they will investigate the application of GDOT guidelines for MS4 for the Muscogee County portion of the project. It may be considered infeasible.

IX. TRAFFIC OPERATIONS (no comments)

X. UTILITIES

- The existing vents of the Enterprise Products pipeline (formerly Dixie pipeline) will be impacted by the widening. These vents are used at the ends of casings under the roadway. It was asked if the existing sleeve is long enough to accommodate the widening or if not, if the sleeve can be extended without an expensive full replacement. TYLI did not have an answer at this time, but will investigate during the preliminary plans phase.
- Nona Guilford requested that TYLI coordinate utility letters with her prior to sending to utility companies.

XI. ADDITIONAL COMMENTS AND CONCERNS FROM ATTENDEES

- Rumble strips should be shown in the typical sections.
- This project is a 3R Project and the concept report should be updated accordingly.
- Steve Tiedemann stated that there is concrete underneath the existing pavement and that it may pose a problem for overlaying. Additional coordination regarding the pavement design will be necessary.
- Using fabric pavement strips at the joints with the existing pavement was recommended. This should be shown on the typical sections.
- Full depth shoulders should be considered in areas where shoulders are being used for maintenance of traffic. In particular where the vertical grade is being improved.

- GDOT has a maintenance project planned to overlay the existing roadway. Coordination will be necessary between the passing lane project and the maintenance project. If the two projects can be let together, the maintenance project will overlay SR 103 and the TIA project will consist of the widening only.
- GDOT (Dan Bodycomb) provided a summary of environmental comments (see attached) for incorporation into the final submittal.
- Contractor will be responsible for “Providing Material Pits” not GDOT
- Consideration should be given to constructing the southern passing lane section along with the Luther Land Bridge replacement project.

XII. ACTION ITEMS

- TYLI will address comments, incorporate changes, and submit final concept report.
- TYLI will provide an updated project schedule after conferring with environmental sub consultant.
- GDOT to further discuss whether surface course will be part of this project or part of the maintenance project. TYLI will coordinate pavement design with GDOT maintenance overlay project.
- TYLI/GDOT to research infeasibility for MS4 in Muscogee County portion of project.

This summary represents our understanding of the meeting minutes from December 5, 2016. Please contact Tom Ziegler (thomas.ziegler@tylin.com) or Brian O'Connor (brian.oconnor@tylin.com) with any revisions or additions.

Attached: Sign-in sheet



Concept Team Meeting

PI 0001812 - SR219 Passing Lanes

SIGN-IN SHEET

January 5, 2016

Name	Organization	Email	Phone
Dan Bodycomb	GDOT - TIA Office	dbodycomb@dot.ga.gov	404-631-1715
Cheryl Brewer	GDOT - Row TIA office	cbrewer@gdot.ga.gov	706-832-1412
Phyllis Houston	AECOM Row PRO MANGER	phoustone@ecom.com	(864) 760-7358
Becky Langston	Harris County Commissioner, Dist. 3	langstonb@mchsi.com	706-596-9116
Catherine Sorenson	TYLIN	catherine.sorenson@tylin.com	678.235.3651
Tom Ziegler	TY Lin International	thomas.ziegler@tylin.com	770-630-8182
Kenneth Franks	GDOT TIA	kfranks@dot.ga.gov	404 631 1568
STEVE TIEDSMANN	GDOT - TIA OFFICE	STIEDSMANN@GDOT.GA.GOV	404-631-1657
NONA GUILFORD	GDOT - TIA	NGUILFORD@GDOT.GA.GOV	4 631-1193
STANFORD TAYLOR	GDOT - TRAFFIC OPTS	staylor@dot.ga.gov	706-646-7592
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