ORIGINAL TO GENERAL FILES

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

OFFICE OF DESIGN POLICY & SUPPORT
INTERDEPARTMENTAL CORRESPONDENCE

FILE P.I. # 721850-
NH000-0056-01(052)
Fulton County
GDOT District 7 - Metro Atlanta
SR400 from Hammond Dr/Abernathy Rd to North
of Spalding Dr, Including C-D System

OFFICE Design Policy & Support

DATE 04/28/2015

FROM for Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT **APPROVED REVISED CONCEPT REPORT**

Attached is the approved Revised Concept Report for the above subject project.

Attachment

DISTRIBUTION:

Glenn Bowman, Director of Engineering
Joe Carpenter, Director of P3/Program Delivery
Genetha Rice-Singleton, Assistant Director of P3/Program Delivery
Darryl VanMeter, State Innovative Delivery Engineer
Bobby Hilliard, Program Control Administrator
Cindy VanDyke, State Transportation Planning Administrator
Hiral Patel, State Environmental Administrator
Ben Rabun, State Bridge Engineer
Andrew Heath, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Charles "Chuck" Hasty, State Materials Engineer
Mike Bolden, State Utilities Engineer
Paul Tanner, Asst. State Transportation Data Administrator
Attn: Systems & Classification Branch
Richard Cobb, Statewide Location Bureau Chief
Kathy Zahul, District Engineer
Scott Lee, District Preconstruction Engineer
Patrick Allen, for District Utilities Engineer
Marlo Clowers, Project Manager
BOARD MEMBER - 6th Congressional District
FHWA – attn: Rodney Barry, Georgia Division Administrator

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
REVISED PROJECT CONCEPT REPORT

Project Type:	Reconstruction/Rehabilitation	P.I. Number:	721850-
GDOT District:	7	County:	Fulton
Federal Route Number:	19	State Route Number:	400
		Project Number:	*NH000-0056-01(052)*

State Route 400 From Hammond Drive/Abernathy Road to North of Spalding Drive, Including the Collector/Distributor System

Submitted for approval:

Kimley-Horn & Associates — 12/23/2014
Consultant Designer & Firm — Date

12/23/2014
State Innovative Delivery Engineer — Date

12/23/14
GDOT Project Manager — Date

Recommendation for approval:

Hiral Patel /DRP — 01/02/2015
State Environmental Administrator — Date

Kathy Zahul /DRP — 01/07/2015
State Traffic Engineer — Date

Ben Rabun /DRP — 01/12/2015
State Bridge Engineer — Date

☒ MPO Area: This project is consistent with the MPO adopted Regional Transportation Plan (RTP)/Long Range Transportation Plan (LRTP).

☐ Rural Area: This project is consistent with the goals outlined in the Statewide Transportation Plan (SWTP) and/or is included in the State Transportation Improvement Program (STIP).

Cynthia L. Van Dyke /DRP — 01/06/2015
State Transportation Planning Administrator — Date

PLANNING, APPROVED CONCEPT, AND BACKGROUND

Project Justification Statement: The Need and Purpose Statement included in the original approved Concept Report (approved March 1996) serves as the Project Justification Statement. The following proposed design elements described in the Need and Purpose statement are changed as follows:

- The project would modify the existing partial cloverleaf interchange at SR 400 and Abernathy Road as a Diverging Diamond Interchange. This interchange modification was described as a single point urban interchange in the original approved Need and Purpose.
- The proposed partial diamond interchange at SR 400 and Hammond Drive that was described in the original approved Need and Purpose is no longer part of the project scope, as it was previously constructed as part of a separate project CSNHS-0008-00(415), PI 0008415.
- The original approved Need and Purpose statement included peak hour traffic data for the SR 400 at Abernathy Road interchange. Updated traffic volume projections and analysis have been performed based on the updated 2019 opening year and 2039 design year. Current approved traffic volumes are given in Attachment 5.

Existing conditions: Existing SR 400 is an eight-lane urban freeway with 12-foot lanes, 10-foot outside paved shoulders, and 8-foot inside paved shoulders (including barrier). See Attachment 4 for existing typical section. There is an existing partial cloverleaf interchange with loop ramps at Abernathy Road, an existing north-facing partial diamond interchange at Hammond Drive, and existing north-facing ramp connections to the North Springs MARTA Station just south of Spalding Drive. The existing conditions as stated are consistent with the approved project concept report, with the exception of the interchange on SR 400 at Hammond Drive, which was constructed as part of PI 0008415 as described above, and the north-facing ramp connections to the North Spring MARTA Station, which were constructed in 2000.

Description of the <u>approved</u> concept: Based on the approved 1997 Revised Concept Report, the proposed project would modify the existing partial cloverleaf interchange at Abernathy Road to a single point urban interchange with triple left turn movements. In addition, a partial diamond interchange at Hammond Drive would be constructed serving traffic to and from the north. Included as part of these interchange improvements is the development of a collector/distributor (C/D) roadway system to efficiently serve the merging and diverging traffic movements associated with the Abernathy Road and Hammond Drive interchanges. The termini of the project are at the I-285/SR 400 interchange and just north of Spalding Drive.

Federal Oversight: ☒ PoDI ☐ Exempt ☐ State Funded ☐ Other

Projected Traffic as shown in the approved Concept Report: ADT
Open Year (1998): 187,500* Design Year (2018): 255,000*

*Traffic volumes are as stated in the original March 1996 approved Concept Report.

Updated Traffic: ADT

SR 400 Mainline:	Open Year (2019):	101,080	Design Year (2039**):	153,300
C/D Roads	Open Year (2019):	122,940	Design Year (2039):	184,000
Total	Open Year (2019):	224,020	Design Year (2039*):	337,300

24 HR Trucks: 3.7 %

**Design Year ADT volumes for SR 400 Mainline include future managed lane volumes.

Functional Classification (Mainline SR 400): Urban Freeway
Functional Classification (SR 400 C/D): Urban Freeway

VE Study anticipated: ☒ No ☐ Yes ☐ Completed

PROPOSED REVISIONS

Approved Features:		Proposed Features:
1	The project would modify the existing partial cloverleaf interchange at SR 400 and Abernathy Road by constructing a single point urban interchange with triple left turn movements	The project would modify the existing partial cloverleaf interchange at SR 400 and Abernathy Road by constructing a Diverging Diamond interchange
2	The project would construct a partial diamond interchange oriented to the north at SR 400 and Hammond Drive	The partial interchange at SR 400 and Hammond Drive is removed from the proposed concept, as it has been constructed by PI 0008415
3	The project proposes to construct new northbound and southbound Collector/Distributor (C/D) lanes along existing SR 400 to serve merging and diverging traffic from the Abernathy Road and Hammond Drive Interchanges	The project proposed to construct new northbound and southbound CD lanes along existing SR 400 to serve merging and diverging traffic from the Abernathy Road and Hammond Drive interchanges, as well as the North Springs MARTA station exit/entrance ramps.
4	The approved SR 400 typical section consists of the following features, which included widening inside shoulders: 1. (4) 3.6m (12’) lanes in each direction w/ 2% cross slope 2. 7.96m (26’) median, including 3.6m (12’) paved inside shoulders in each direction and 0.76m (2.5’) barrier 3. 4.2m (14’) outside shoulders (w/ 3.6m (12’) paved)	The proposed SR 400 typical section consists of the following elements, which proposes to retain the existing inside shoulder width and existing lane locations: 1. (3) to (6) northbound travel lanes and (3) to (4) southbound travel lanes [(3) to (4) existing lanes will be retained in each direction). All travel lanes will be 12 feet wide. Existing retained travel lanes will maintain existing cross slope. 2. Retain existing 16-foot median, including 6’-9” paved inside shoulders in each direction and 2.5’ barrier 3. 14’ outside shoulders w/ 12’ paved

	Approved Features:	Proposed Features:
5	The approved C/D Road typical section consists of the following features: 1. (2) to (4) travel lanes at 3.6m (12') wide 2. 4.2m (14') outside shoulders w/ 3.6m (12') paved 3. 3.6m (12') inside shoulders w/ 3.0m (10') paved	The proposed C/D Road typical section consists of the following features: 1. (2) to (4) travel lanes at 12' wide 2. 14' outside shoulders w/ 12' paved 3. 12' inside shoulders w/ 10' paved
6	The approved single lane ramp typical section consists of the following features: 1. (1) travel lane at 4.8m (16') width 2. 2.4m (8') outside shoulder w/ 1.8m (6') paved 3. 1.8m (6') inside shoulder w/ 1.2m (4') paved	The proposed single lane ramp typical section consists of the following features: 1. (1) travel lane at 16' width 2. 12' outside shoulder w/ 10' paved 3. 8' inside shoulder w/ 4' paved
7	The approved multi-lane ramp typical section consists of the following features: 1. (2) to (4) travel lanes at 3.6m (12') wide 2. 3.6m (12') inside and outside shoulders w/ 3.0m (10') paved	The proposed multi-lane ramp typical section consists of the following features: 1. (2) to (4) travel lanes at 12' wide 2. 12' outside shoulders w/ 10' paved 3. 8' inside shoulder w/ 4' paved

	Approved Features:	Proposed Features:
8	The approved Mt. Vernon Highway Typical Section consists of the following features: 1. (2) travel lanes in each direction at 3.6m (12') wide 2. 1.2m (4') bike lanes in each direction 3. Variable width median (0.0m to 6.0m / 0.0 to 20 feet) including 3.6m (12') turn lanes at intersections 4. 3.6m (12') urban shoulders with curb and gutter and 1.5m (5') sidewalks	The proposed Mt. Vernon Highway Typical Section consists of the following features: 1. (2) travel lanes in each direction at 11' wide and (1) bicycle lane in each direction at 5' wide 2. 20' raised median including left turn lanes at intersections 3. 15' urban shoulder (Eastbound) with curb and gutter, 3' buffer and 8' sidewalks(1) 4. Varies 10' to 15' urban shoulder (Westbound) including curb and gutter, Varies 0' to 5' buffer and 5' to 6' sidewalk(1)
9	The approved Abernathy Road typical section consists of the following features: 1. (2) to (3) travel lanes in each direction at 3.6m (12') width 2. Variable width (0m to 9.6m / 0' to 31.5') median including left turn lanes 3. 3.6m (12') urban shoulders with curb and gutter and 1.5m (5') sidewalks	The proposed Abernathy Road typical section consists of the following features: 1. (3) to (4) travel lanes in each direction at 11' to 13' width 2. Variable width (14' to 30') median including left turn lanes at intersections 3. Varies 15' to 20' urban shoulder (Westbound) including curb and gutter, Varies 3' to 5' buffer and 8' to 10' sidewalk(1) 4. 20' urban shoulder (eastbound) including curb and gutter, 5' buffer and 10' sidewalk(1)

(1) Based on local coordination with City of Sandy Springs Bicycle, Pedestrian and Trail Implementation Plan and PCIDs Overlay District.

Approved Features:		Proposed Features:
10	The project would include a “slip-lane” to provide for a direct “u-turn” movement between the SR 400 SB exit ramp at Abernathy Road and Glenlake Parkway NB. The slip-lane allows this movement to occur without interacting with Abernathy Road westbound traffic.	The project would not construct the slip-lane connection. The proposed revision brings all SR 400 SB exiting traffic to a signalized intersection with Abernathy Road. Lane assignments would be signed in advance to sort traffic into appropriate lanes for the downstream movements at Glenlake Parkway.

Reason(s) for change:

- Modifying the SR 400 at Abernathy Road interchange as a Diverging Diamond Interchange (DDI) would significantly improve vehicular Level of Service (LOS) at the interchange versus the No Build Alternative or a Single Point Urban Interchange Build Alternative as described in the approved concept. A summary comparison of interchange operations for the No Build Alternative, the 2039 Design Year Build Alternative with DDI, and 2039 Design Year Build Alternative with Single Point Urban Interchange is presented in Attachment 7.

- The partial diamond interchange at SR 400 and Hammond Drive is removed from the proposed concept because it was previously constructed by PI 0008415. Project 721850 will modify access to the north facing Hammond Drive ramps by connecting them to the proposed C/D road system and removing direct access to SR 400 via new barrier. This change is consistent with the original Need and Purpose of the project to provide access to Abernathy Road and Hammond Drive via the proposed C/D road system.

- Project 721850 will modify access to the North Springs MARTA station ramps by connecting them to the proposed C/D road system and removing direct access to SR 400 via new barrier. This change will further serve the project Need and Purpose by separating southbound diverging traffic and northbound merging traffic from the SR 400 General Purpose lanes, improving overall operations

- Typical section modifications are proposed at various locations along the C/Ds and ramps to comply with current AASHTO and GDOT design policy for shoulders and lane widths.

- Typical section modifications along SR 400 are proposed to maintain the existing 16-foot wide median and reduce the scope of work on the existing SR 400 general purpose lanes, which will require a design exception as described below.

- Typical section modifications are proposed along Mt Vernon Highway to remove bike lanes. Bike lanes are no longer proposed on Mt. Vernon Highway because the Perimeter Community Improvement Districts (PCIDs) Commuter Trail System Master Plan (2012) has adopted a recommendation for side-path facility along the westbound side of Mt Vernon Highway to accommodate pedestrian and bike users.

Reason(s) for change (cont'd):

- Typical section modifications are proposed to the number of travel lanes along segments of SR 400, the northbound and southbound C/D roads, and Abernathy Road based on current traffic analysis.

- Based on updated traffic counts, including origin-destination analysis, only 20% of the total right-turn volume at Glenlake Parkway NB would enter directly from the original proposed SR 400 SB exit ramp slip-lane. The original slip-lane concept proposed median separation between the one (1) WB right turn lanes and the slip-lane This median separation required dedicating one of the available two receiving lanes on Glenlake Parkway to a slip-lane that carries 20% of the total right-turn volume, which is inefficient. Operations are improved by allowing the WB Abernathy Road traffic stream to have access to (2) right-turn lanes to accommodate the heavier turn volume. See Attachment 8 for origin/destination analysis.

- The Georgia DOT anticipates using a Public Private Partnership (P3) to construct the proposed SR 400 Collector-Distributor (CD) project, in conjunction with the adjacent I-285/SR 400 Interchange Reconstruction Project (P.I. No. 0000784). The USDOT's Federal Highway Administration (FHWA) defines a P3 as: "…contractual agreements formed between a public agency and a private sector entity that allows for greater private sector participation in the delivery and financing of transportation projects." There are a variety of P3 approaches, and Design-Build-Finance (DBF) is the P3 model being pursued for the I-285/ SR 400 Interchange Reconstruction and SR 400 CD project.

  Under a DBF arrangement, the Georgia DOT would award a contract to a private firm (or consortium of firms) for the design, construction, and partial (or full) financing of the project. DBF merges the improved delivery aspects of Design-Build (having one firm responsible for both the design and construction of a project, and thus focused on maximizing efficiencies in both phases of the project) with financing flexibility. As currently envisioned, with the I-285/SR 400 interchange reconstruction, the Georgia DOT would make payments to the private firm on a fixed payment schedule, to be finalized as part of contract negotiations. During the project's active construction time period, the contractor would receive partial payment; the remainder of the payments would be deferred until after project construction is completed. After construction is complete, the Georgia DOT would continue to make payments to the contractor on a fixed, negotiated schedule, until all expenses have been paid. Spreading the construction payments over a longer period of time would allow the Georgia DOT to better mirror the anticipated cash-flow of both federal and state gas tax revenues.

Design Exceptions needed:

1. Substandard Lane Width: NB C/D under Hammond Drive Bridge
2. Substandard Outside Shoulder Width: NB C/D under Hammond Drive Bridge
3. Substandard Inside Shoulder Width: SR 400 from Hammond Drive to North of Spalding Drive
4. Substandard Outside Shoulder Width: SR 400 Southbound Hammond Drive Exit Ramp near Hammond Drive

ENVIRONMENTAL AND PERMITS

Potential environmental impacts of proposed revision: Environmental impacts are expected to change as a result of the proposed revision, due to the presence of additional resources in the corridor. A re-evaluation is in-process to clear the limits of the originally proposed R/W and easements.

Have proposed revisions been reviewed by environmental staff? ☐ No ☒ Yes

Environmental responsibilities (Studies/Documents/Permits): GDOT/Consultant

Air Quality:

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

Environmental Comments and Information:

NEPA: The previously-approved EA/ FONSI (approved in 1998) is being re-evaluated to update resources and determine impacts for the proposed concept changes.

Ecology: Surveys for protected species, state waters and waters of the US have been completed as part of the EA/FONSI reevaluation. An updated ecology assessment of effects is being prepared. Minor effects to state waters and waters of the U.S. are anticipated, and no effect or no significant adverse effects are anticipated to federal and state protected species. The Phase 1 ecology survey was approved by GDOT in October 2014 and the Ecology AOE was approved by GDOT in November 2014.

Archeology: Phase 1 Archaeology Surveys are completed and (1) resource was identified within the Expanded Survey Corridor. This resource is anticipated to be outside the Area of Potential Effect. The Phase 1 Archaeology survey was approved by GDOT in November 2014

History: Phase 1 History Surveys are completed and (1) resource (Glenridge Hall) was identified within the Expanded Survey Corridor. This resource is not anticipated to be adversely affected by the proposed construction. SHPO Concurrence on the Phase 1 History Survey was obtained in October 2014.

Air Quality: Air quality modeling is being performed as part of the air quality special study required for the EA/FONSI reevaluation. The project is anticipated to be in compliance with state and federal standards. Modeling will be required for carbon monoxide and for Mobile Source Air Toxics. A Letter of Determination was prepared and FHWA concurred this to be a project Not of Concern in November 2014, and therefore a hot spot analysis is not required.

Noise Effects: A noise study is being performed as part of the EA/FONSI reevaluation. Noise modeling is being performed to evaluate need for and location of additional noise barriers.

Public Involvement: An additional PIOH was held on November 18, 2014 as part of the EA/FONSI reevaluation process.

PROJECT COST AND ADDITIONAL INFORMATION

Item	Estimated Cost	Date of Estimate	Funded By
Base Construction Cost:	$125,000,000	11/28/2014	
Contingencies (20%):	$25,000,000	11/28/2014	
Liquid AC Adjustment:	$744,000	11/28/2014	
Total Construction Cost:	$150,744,000		GDOT/Private
Utilities (5%):	$7,537,000	12/19/2014	GDOT/Private
Final Design (6%):	$9,044,640	12/19/2014	GDOT/Private
Developer CEI (4.5%):	$6,783,480	12/19/2014	GDOT/Private
Insurance	$10,000,000	7/7/2014	GDOT/Private
TOTAL PROJECT COST:	**$184,109,120**		

Recommendation: Recommend that the proposed revision to the concept be approved for implementation.

Attachments:

1. Project Location map
2. Detailed Cost Estimate(s)
    a. Construction
    b. Liquid AC Adjustment
3. Conforming plan's network schematics showing thru lanes
4. Typical Sections
5. Approved Traffic Flow Diagrams – 2019 and 2039 ADT
6. 2039 Design Year Level of Service Maps
7. 2039 Comparison of DDI and SPUI Alternatives
8. Origin Destination Study – SR 400 SB to Glenlake Parkway NB via Abernathy Road
9. Approved Need and Purpose (from 1996 Original Approved Concept Report)

APPROVALS

Concur: _____
Director of Engineering

Approve: _____ 4/17/15
for Division Administrator, FHWA — Date

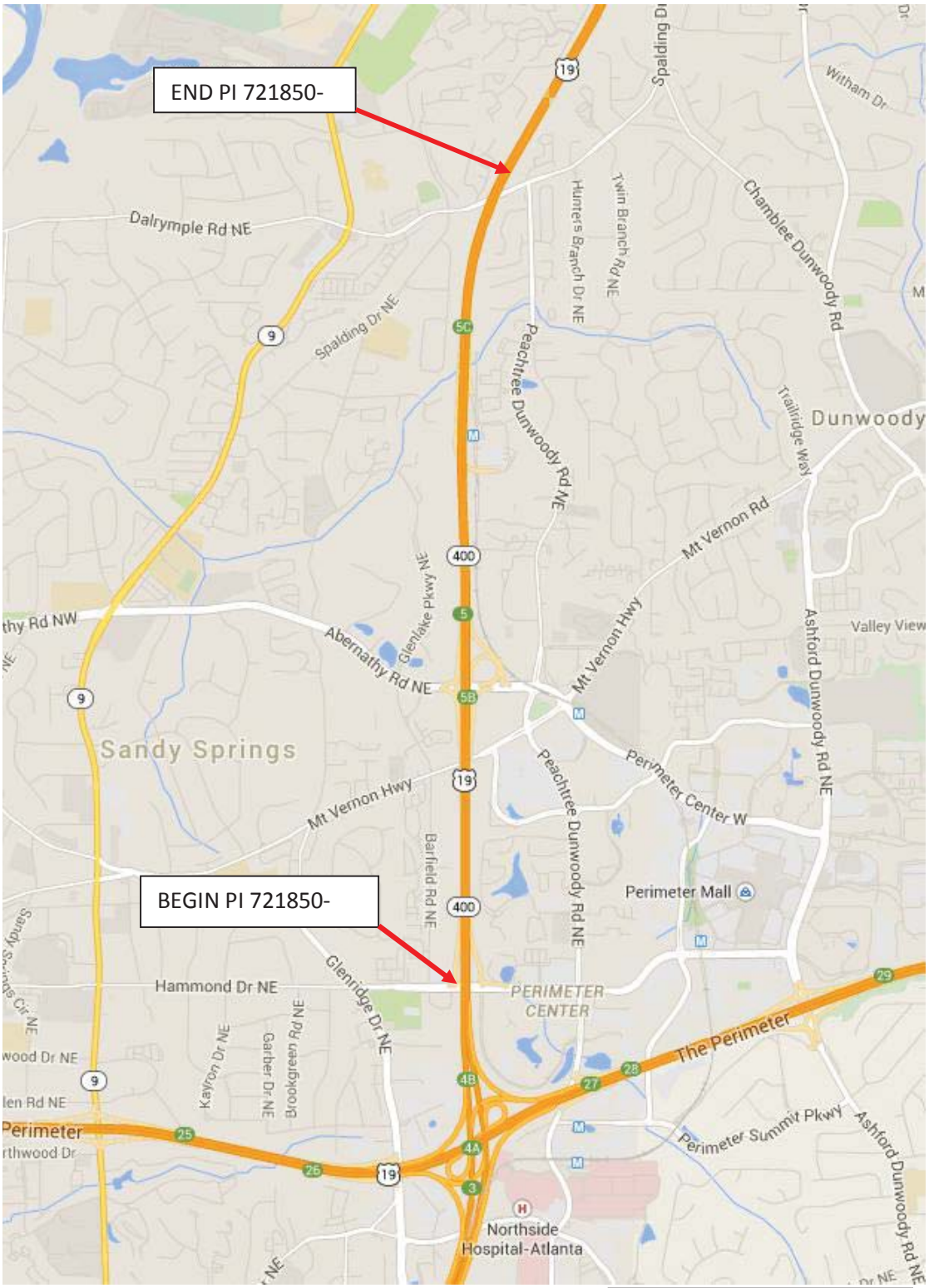
Approve: Margaret B. Pikel 4·21·15
Chief Engineer — Date

ATTACHMENT 1

LOCATION MAP

PROJECT LOCATION MAP

PROJECT: STATE ROUTE 400 FROM HAMMOND DRIVE/ABERNATHY ROAD TO NORTH OF SPALDING DRIVE, INCLUDING THE COLLECTOR/DISTRIBUTOR SYSTEM
PROJECT NO: NH000-0056-01(052)
P.I. NO: 721850-



Map Source: Google Maps

ATTACHMENT 2

COST ESTIMATES

STATE HIGHWAY AGENCY

DATE : 11/25/2014
PAGE : 1

JOB ESTIMATE REPORT

JOB NUMBER : 721850- SPEC YEAR: 13
DESCRIPTION: STATE ROUTE 400 FROM HAMMOND DRIVE/ABERNATHY ROAD TO NORTH
OF SPALDING DRIVE INCLUDING THE COLLECTOR/DISTRIBUTOR SYSTEM

ITEMS FOR JOB 721850-

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
5	150-1000		LS	TRAFFIC CONTROL - 721850	1	$20,000,000.00	$20,000,000.00
10	163-XXXX		LS	EROSION CONTROL ITEMS - 721850	1	$10,000,000.00	$10,000,000.00
15	201-1500		LS	CLEARING & GRUBBING - 721850	1	$1,000,000.00	$1,000,000.00
20	205-0001		CY	UNCLASSIFIED EXCAVATION	520000	$10.00	$5,200,000.00
25	206-0002		CY	BORROW EXCAVATION, INCL MATL	185000	$12.00	$2,220,000.00
30	310-1101		TN	GR AGGR BASE CRS, INCL MATL	198271.32	$16.02	$3,176,306.55
35	402-1812		TN	RECYL AC LEVELING,INC BM&HL	270	$91.25	$24,637.50
40	402-3121		TN	RECYL AC 25MM SP,GP1/2,BM&HL	4025.25	$70.78	$284,907.20
45	402-3190		TN	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	33045	$87.63	$2,895,733.35
50	402-4510		TN	RECYL AC 12.5 MM SP,GP2ONLY,INC P-MBM&HL	2699.97	$85.17	$229,956.44
55	413-1000		GL	BITUM TACK COAT	15575	$4.70	$73,202.50
60	430-0220		SY	PLN PC CONC PVMT/CL1C/ 12 TK	291262.78	$60.00	$17,475,766.80
65	433-1300		SY	REF CONC APPR SL/INCL BARRIER	356.46	$142.96	$50,959.52
70	441-0104		SY	CONC SIDEWALK, 4 IN	6867.77	$24.23	$166,406.07
75	441-0748		SY	CONC MEDIAN, 6 IN	611.06	$43.38	$26,507.78
80	441-6222		LF	CONC CURB & GUTTER/ 8X30TP2	4811.45	$13.10	$63,030.00
85	441-6740		LF	CONC CURB & GUTTER/ 8X30 TP7	3189.17	$10.61	$33,837.09
90	500-9999		CY	CL B CONC,BASE OR PVMT WIDEN	164.52	$168.10	$27,655.81
95	573-2008		LF	UNDDR PIPE INCL DRAINAGE AGGR, 8 IN	20000	$30.00	$600,000.00
100	610-XXXX		LS	REMOVAL ITEMS - 721850	1	$2,500,000.00	$2,500,000.00
105	621-3021		LF	CONCRETE BARRIER, TYPE 21	30000	$125.00	$3,750,000.00
110	634-1200		EA	RIGHT OF WAY MARKERS	47	$118.20	$5,555.40
115	550-1180		LF	STM DR PIPE 18,H 1-10	18600	$29.42	$547,212.00
120	550-1240		LF	STM DR PIPE 24,H 1-10	18600	$35.64	$662,904.00
125	550-1360		LF	STM DR PIPE 36,H 1-10	18600	$41.42	$770,412.00
130	668-1100		EA	CATCH BASIN, GP 1	100	$2,171.92	$217,192.00
135	668-2100		EA	DROP INLET, GP 1	50	$1,961.49	$98,074.50
140	668-2231		EA	DROP INLET,GP 1,MOD TP M-1	113	$4,250.00	$480,250.00
145	631-2463		EA	LED PIX CMS,WALKIN,3X21,18, TYP B	1	$100,000.00	$100,000.00
150	636-XXXX		LS	STANDARD AND OVHD SIGN ITEMS - 721850	1	$5,000,000.00	$5,000,000.00
155	638-1001		LS	STR SUPPORT OVHD SIGN,TP I,STA ITS	1	$67,251.29	$67,251.29
160	647-1000		LS	TRAF SIGNAL INSTALLATION NO - NO - 1 GLENLAKE/ABERNATHY	1	$125,000.00	$125,000.00
165	647-1000		LS	TRAF SIGNAL INSTALLATION NO - NO - 2 DDI 1	1	$125,000.00	$125,000.00
170	647-1000		LS	TRAF SIGNAL INSTALLATION NO - NO - 3 DDI 2	1	$125,000.00	$125,000.00
175	647-1000		LS	TRAF SIGNAL INSTALLATION NO - NO - 4 MOD MT VERNON/BARFIELD	1	$50,000.00	$50,000.00
180	647-1000		LS	TRAF SIGNAL INSTALLATION NO - NO - 5 MOD ABERNATHY/P-D	1	$50,000.00	$50,000.00
185	647-1000		LS	TRAF SIGNAL INSTALLATION NO - NO - 6 MOD MT VERNON/CRESTLINE	1	$50,000.00	$50,000.00
190	639-4004		EA	STRAIN POLE, TP IV	14	$6,259.06	$87,626.84
195	647-2141		EA	PULL BOX, PB-4S	14	$997.18	$13,960.52
200	647-2170		EA	PULL BOX, PB-7	20	$1,546.62	$30,932.40
205	682-6120		LF	CONDUIT, RIGID, 2 IN	1000	$13.13	$13,130.00
210	682-6222		LF	CONDUIT, NONMETL, TP 2, 2 IN	300	$6.44	$1,932.00
215	682-6233		LF	CONDUIT, NONMETL, TP 3, 2 IN	14000	$3.99	$55,860.00
220	682-6236		LF	CONDUIT, NONMETL, TP2-POWER SERVICE,2 IN	17000	$4.48	$76,160.00
225	682-6520		LF	CONDUIT, FIBERGLASS, 2 IN	3400	$50.38	$171,292.00
230	682-7062		LF	CONDUIT DUCT BANK, TYPE 3	35000	$7.13	$249,550.00
235	682-8500		EA	ELEC PWR SVC ASSBLY (AERIAL SERV POINT)	17	$10,000.00	$170,000.00
240	682-9028		EA	ELECTRICAL COMM BOX, TP 5	40	$5,000.00	$200,000.00
245	682-9950		LF	DIRECTIONAL BORE - DIRECTIONAL BORE - 6 IN	3500	$25.00	$87,500.00
250	935-1117		LF	OUT PLNT FBR OPT CBL,LOOSE TB,SM,96 FBR	41600	$2.00	$83,200.00
255	935-1512		LF	OUT PLNT FBR OPT CBL,DROP,SM,12 FBR	4250	$1.11	$4,717.50
260	935-3107		EA	FIBER OPTIC CLOSURE,UNDRGRD,96 FIBER	25	$790.00	$19,750.00
265	935-3603		EA	FBR. OP.CLOS.,FDC PRE-TERM., TYP. A, 12	17	$795.52	$13,523.84
270	935-4010		EA	FIBER OPTIC SPLICE, FUSION	980	$39.39	$38,602.20
275	936-1001		EA	CCTV SYSTEM,TYPE B	4	$6,672.94	$26,691.76
280	937-6000		EA	MICROWAVE RADAR DETECTION ASSEMBLY	17	$6,079.65	$103,354.05
285	937-8020		LS	TESTING - MICROWAVE DETECTION SYSTEM	1	$2,000.00	$2,000.00
290	939-2237		EA	GBIC, TYPE D	34	$199.64	$6,787.76
295	939-2300		EA	FIELD SWITCH, TYPE A	17	$2,580.00	$43,860.00
300	939-4040		EA	TYPE D CABINET	17	$4,477.95	$76,125.15
305	999-3600		EA	TUBULAR EXTENSION	2	$500.00	$1,000.00
310	653-1501		LF	THERMO SOLID TRAF ST 5 IN, WHI	16695.68	$0.46	$7,680.01
315	653-1502		LF	THERMO SOLID TRAF ST, 5 IN YEL	2992.18	$0.59	$1,765.39
320	653-1704		LF	THERM SOLID TRAF STRIPE,24,WH	397.48	$5.28	$2,098.69
325	653-1804		LF	THERM SOLID TRAF STRIPE, 8,WH	1101.9	$2.57	$2,831.88
330	653-3501		GLF	THERMO SKIP TRAF ST, 5 IN, WHI	7978.2	$0.27	$2,154.11
335	653-3502		GLF	THERMO SKIP TRAF ST, 5 IN, YEL	88.8	$0.49	$43.51
340	653-6004		SY	THERM TRAF STRIPING, WHITE	76	$4.24	$322.24
345	657-1085		LF	PREFORMED PLASTIC SOLID PVMT MKG, 8 IN, CONTRAST (BLACK-WHITE), TP PB	40000	$6.00	$240,000.00
350	657-4085		GLF	PREFORMED PLASTIC SKIP PVMT MKG, 8 IN, CONTRAST (BLACK-WHITE), TP PB	154508	$2.71	$418,716.68
355	657-6085		LF	PREFORMED PLASTIC SOLID PVMT MKG, 8 IN, CONTRAST (BLACK-YELLOW), TP PB	40000	$6.00	$240,000.00
360	211-0200		CY	BR EXCAV, GRADE SEPARATION BR NO.-1	230.21	$26.83	$6,176.53
365	211-0200		CY	BR EXCAV, GRADE SEPARATION BR NO.-2	398.13	$26.83	$10,681.83
370	211-0200		CY	BR EXCAV, GRADE SEPARATION BR NO.-3	203.13	$26.83	$5,449.98
375	211-0200		CY	BR EXCAV, GRADE SEPARATION BR NO.-4	345.04	$26.83	$9,257.42
380	441-0004		SY	CONC SLOPE PAV, 4 IN BR NO.-4	2872.05	$36.77	$105,605.28
385	500-0100	`	SY	GROOVED CONCRETE BR NO.-1	826.67	$8.89	$7,349.10
390	500-0100		SY	GROOVED CONCRETE BR NO.-2	2538.53	$5.93	$15,053.48
395	500-0100		SY	GROOVED CONCRETE BR NO.-3	1170	$7.84	$9,172.80

400	500-0100	SY	GROOVED CONCRETE BR NO.-4	6828.78	$4.14	$28,271.15
405	500-1006	LS	SUPERSTR CONCRETE, CL AA, BR NO - BR NO. 1	1	$475,838.69	$475,838.69
410	500-1006	LS	SUPERSTR CONCRETE, CL AA, BR NO - BR NO. 2	1	$969,325.56	$969,325.56
415	500-1006	LS	SUPERSTR CONCRETE, CL AA, BR NO - BR NO. 3	1	$375,872.68	$375,872.68
420	500-1006	LS	SUPERSTR CONCRETE, CL AA, BR NO - BR NO. 4	1	$1,328,505.57	$1,328,505.57
425	500-2100	LF	CONCRETE BARRIER BR NO.-1	496	$46.25	$22,940.00
430	500-2100	LF	CONCRETE BARRIER BR NO.-2	0	$0.00	$0.00
435	500-2100	LF	CONCRETE BARRIER BR NO.-3	405	$47.98	$19,431.90
440	500-2100	LF	CONCRETE BARRIER BR NO.-4	1968	$50.00	$98,400.00
445	500-2110	LF	CONCRETE PARAPET, SPCL DES BR NO.-2	878.72	$150.74	$132,458.25
450	500-3002	CY	CL AA CONCRETE BR NO.-1	416.22	$626.03	$260,566.21
455	500-3002	CY	CL AA CONCRETE BR NO.-2	613.24	$582.22	$357,040.59
460	500-3002	CY	CL AA CONCRETE BR NO.-3	374.34	$638.58	$239,046.04
465	500-3002	CY	CL AA CONCRETE BR NO.-4	696.32	$568.54	$395,885.77
470	507-9030	LF	PSC BEAMS,AASHTO,BULB TEE, 54 BR NO.-3	3091	$158.26	$489,181.66
475	507-9031	LF	PSC BEAMS,AASHTO,BULB TEE, 63 BR NO.-1	4560	$140.60	$641,136.00
480	507-9031	LF	PSC BEAMS,AASHTO,BULB TEE, 63 BR NO.-4	8610	$137.00	$1,179,570.00
485	507-9032	LF	PSC BEAMS,AASHTO,BULB TEE, 72 BR NO.-2	4832.97	$176.96	$855,242.37
490	511-1000	LB	BAR REINF STEEL BR NO.-1	98271.04	$0.91	$89,426.65
495	511-1000	LB	BAR REINF STEEL BR NO.-2	119908.96	$0.89	$106,718.97
500	511-1000	LB	BAR REINF STEEL BR NO.-3	88381.47	$0.92	$81,310.95
505	511-1000	LB	BAR REINF STEEL BR NO.-4	136154.68	$0.88	$119,816.12
510	511-3000	LS	SUPERSTR REINF STEEL, BR NO - BR NO.-2	1	$293,493.53	$293,493.53
515	514-1000	LS	EPOXY COAT/SUP REINF ST BR NO- BR NO.-1	1	$232,098.73	$232,098.73
520	514-1000	LS	EPOXY COAT/SUP REINF ST BR NO- BR NO.-3	1	$146,281.74	$146,281.74
525	514-1000	LS	EPOXY COAT/SUP REINF ST BR NO- BR NO.-4	1	$483,506.35	$483,506.35
530	520-0573	EA	H-PILE POINTS, HP 14 X 73 BR NO.-1	116	$182.36	$21,153.76
535	520-0573	EA	H-PILE POINTS, HP 14 X 73 BR NO.-2	142	$182.36	$25,895.12
540	520-0573	EA	H-PILE POINTS, HP 14 X 73 BR NO.-3	104	$182.36	$18,965.44
545	520-0573	EA	H-PILE POINTS, HP 14 X 73 BR NO.-4	174	$182.36	$31,730.64
550	520-1147	LF	PIL-IN-PL,STEEL H,HP 14 X 73 BR NO.-1	4290	$55.45	$237,880.50
555	520-1147	LF	PIL-IN-PL,STEEL H,HP 14 X 73 BR NO.-2	3570	$56.16	$200,491.20
560	520-1147	LF	PIL-IN-PL,STEEL H,HP 14 X 73 BR NO.-3	3870	$55.85	$216,139.50
565	520-1147	LF	PIL-IN-PL,STEEL H,HP 14 X 73 BR NO.-4	5410	$54.55	$295,115.50
570	522-1000	LS	SHORING BR NO.-2	1	$73,500.50	$73,500.50
575	522-1000	LS	SHORING BR NO.-4	1	$140,000.00	$140,000.00
580	540-1102	LS	REM OF EX BR, BR NO - BR NO.-2	1	$249,534.96	$249,534.96
585	540-1102	LS	REM OF EX BR, BR NO - BR NO.-4	1	$500,000.00	$500,000.00
590	544-1000	LS	DECK DRAIN SYSTEM, BR NO - BR NO.-1	1	$157,011.18	$157,011.18
595	544-1000	LS	DECK DRAIN SYSTEM, BR NO - BR NO.-3	1	$157,011.18	$157,011.18
600	620-0200	LF	TEMP BARRIER, METHOD NO. 2 BR NO.-2	439.36	$43.87	$19,274.72
605	620-0200	LF	TEMP BARRIER, METHOD NO. 2 BR NO.-4	492	$43.62	$21,461.04
610	627-1180	CY	ADDITIONAL MSE BACKFILL BR NO.-1	523.93	$34.87	$18,269.44
615	627-1180	CY	ADDITIONAL MSE BACKFILL BR NO.-2	388.04	$34.87	$13,530.95
620	627-1180	CY	ADDITIONAL MSE BACKFILL BR NO.-3	387.76	$34.87	$13,521.19
625	643-1152	LF	CH LK FEN,ZC COAT, 6', 9 GA BR NO.-2	878.72	$31.05	$27,284.26
630	700-6910	AC	PERMANENT GRASSING	19	$1,000.00	$19,000.00
635	163-0232	AC	TEMPORARY GRASSING	38	$500.00	$19,000.00
640	641-1200	LF	GUARDRAIL, TP W	600	$19.65	$11,790.00
645	641-5001	EA	GUARDRAIL ANCHORAGE, TP 1	3	$852.52	$2,557.56
650	641-5012	EA	GUARDRAIL ANCHORAGE, TP 12	3	$1,872.80	$5,618.40
655	624-0400	SF	SOUND BARRIER, TYPE-	353220	$35.00	$12,362,700.00
660	627-1010	SF	MSE WALL FACE, 10 - 20 FT HT, WALL NO - NB	140945.45	$50.00	$7,047,272.50
665	627-1010	SF	MSE WALL FACE, 10 - 20 FT HT, WALL NO - SB	148454.2	$50.00	$7,422,710.00
670	627-1160	LF	TRAFFIC BARRIER H, WALL NO - NORTHBOUND	11309	$217.63	$2,461,177.67
675	627-1160	LF	TRAFFIC BARRIER H, WALL NO - SOUTHBOUND	11821	$217.63	$2,572,604.23
680	628-0100	SF	PERMANENT SOIL-NAILED WALL, NO -	2400	$100.00	$240,000.00

ITEM TOTAL $124,958,239.69

PROJ. NO.			CALL NO.
P.I. NO.	721850-		
DATE	12/19/2014		

INDEX (TYPE)	**DATE**	**INDEX**
REG. UNLEADED	Nov-14	$ 2.859
DIESEL		$ 3.539
LIQUID AC		$ 600.00

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)				**720720**	**$ 720,720.00**
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	$	960.00	
Monthly Asphalt Cement Price month project let (APL)			$	600.00	
Total Monthly Tonnage of asphalt cement (TMT)				2002	

ASPHALT	**Tons**	**%AC**	**AC ton**
Leveling	270	5.0%	13.5
12.5 OGFC		5.0%	0
12.5 mm	2700	5.0%	135
9.5 mm SP		5.0%	0
25 mm SP	4025	5.0%	201.25
19 mm SP	33045	5.0%	1652.25
	40040		**2002**

BITUMINOUS TACK COAT

Price Adjustment (PA)			**$**	**24,082.63**	**$ 24,082.63**
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	$	960.00	
Monthly Asphalt Cement Price month project let (APL)			$	600.00	
Total Monthly Tonnage of asphalt cement (TMT)				66.89619686	

Bitum Tack Gals	gals/ton	tons
15575	232.8234	66.8961969

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)				**0**	**$ -**
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	$	960.00	
Monthly Asphalt Cement Price month project let (APL)			$	600.00	
Total Monthly Tonnage of asphalt cement (TMT)				0	

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

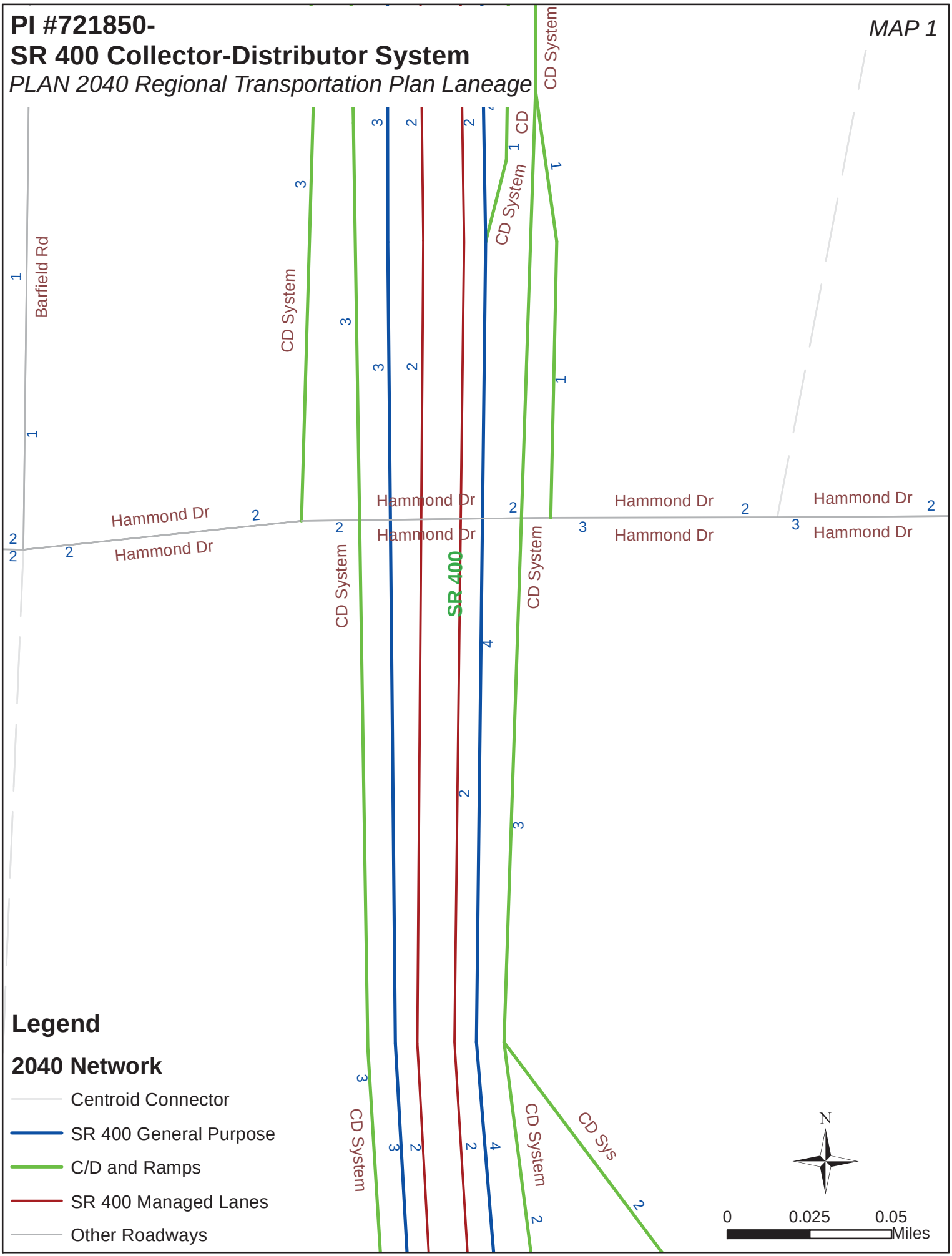
TOTAL LIQUID AC ADJUSTMENT **$ 744,802.63**

ATTACHMENT 3

CONFORMING PLAN'S NETWORK SCHEMATICS

PI #721850-
SR 400 Collector-Distributor System
PLAN 2040 Regional Transportation Plan Laneage

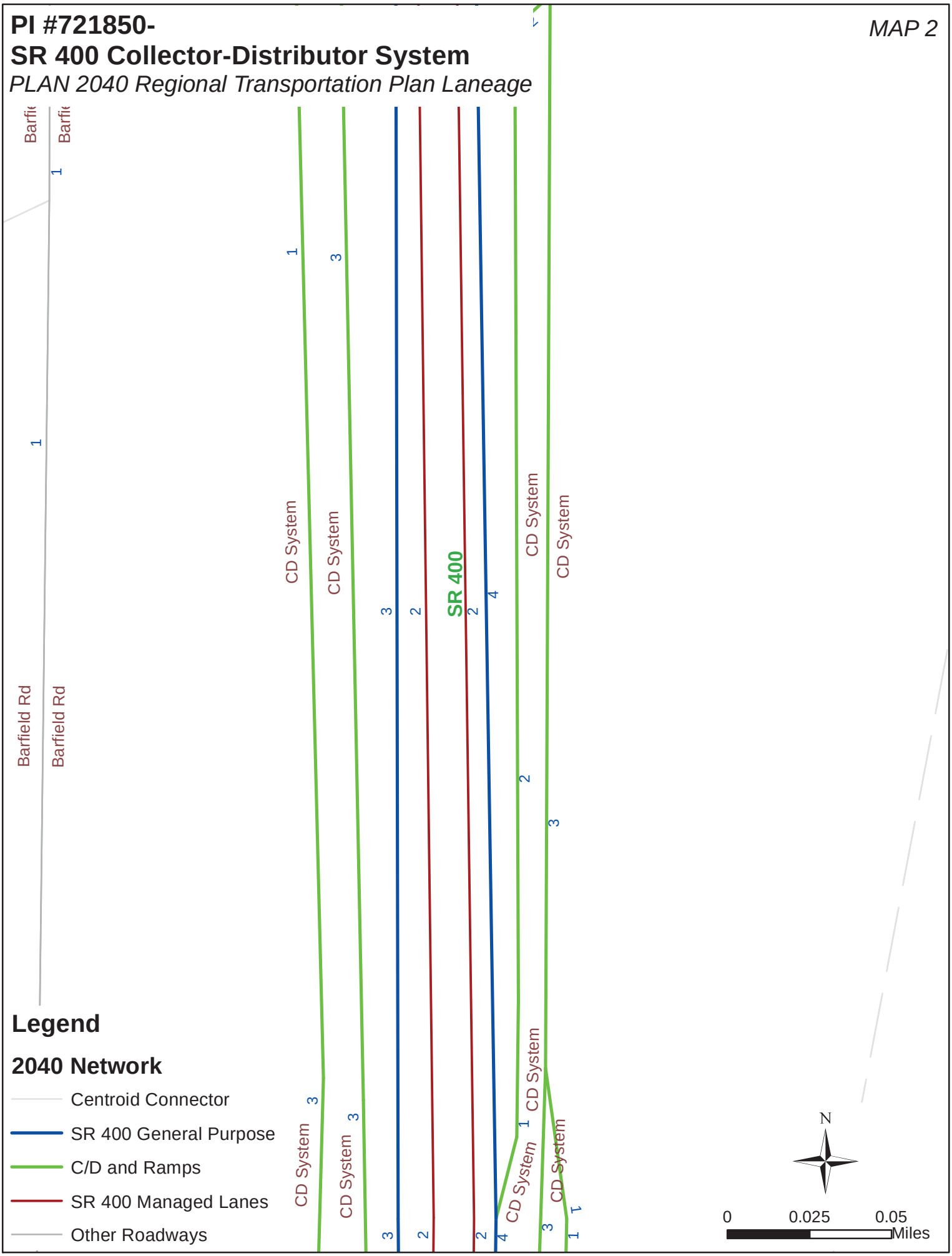
MAP 1



PI #721850-
SR 400 Collector-Distributor System

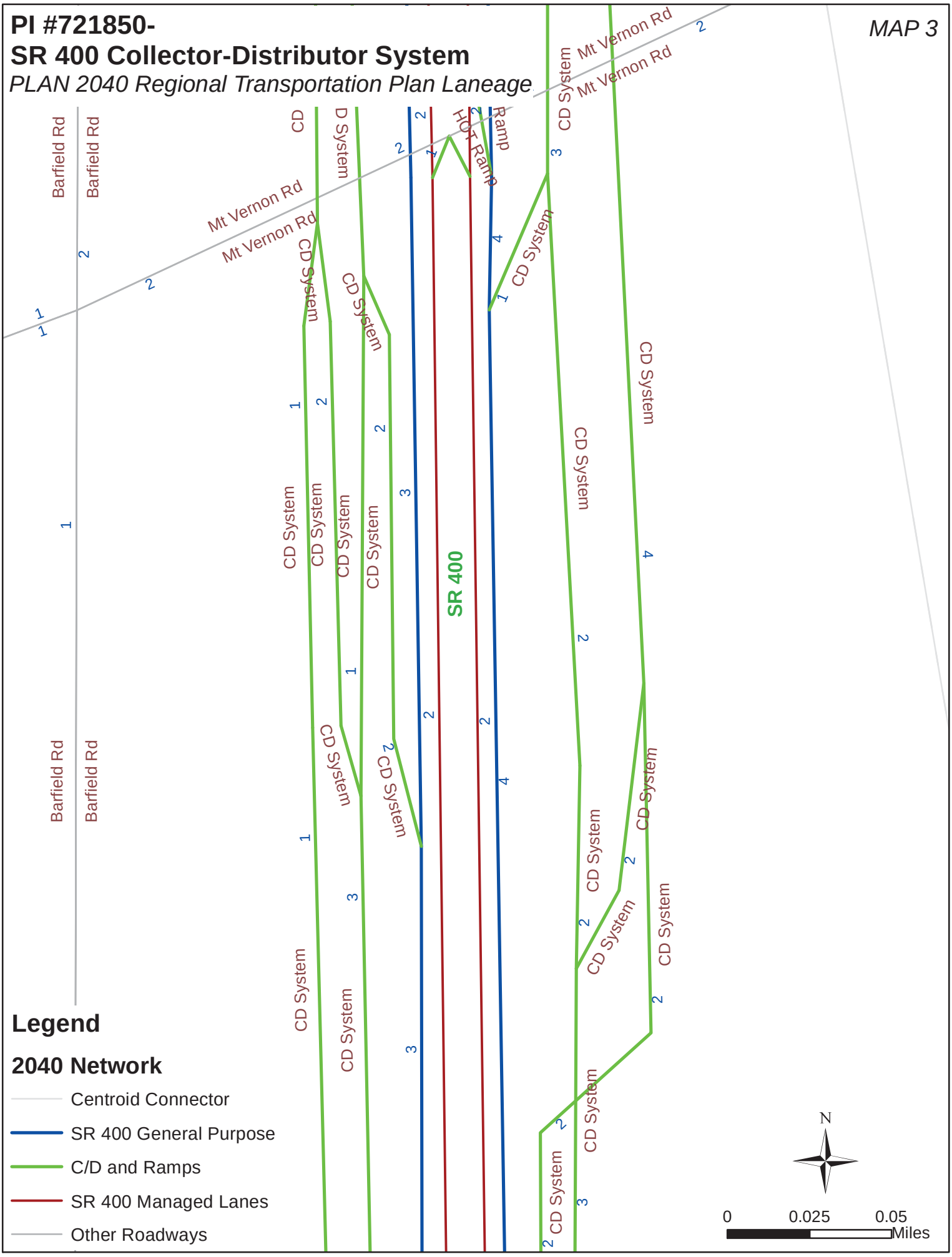
PLAN 2040 Regional Transportation Plan Laneage

MAP 2



PI #721850-
SR 400 Collector-Distributor System
PLAN 2040 Regional Transportation Plan Laneage

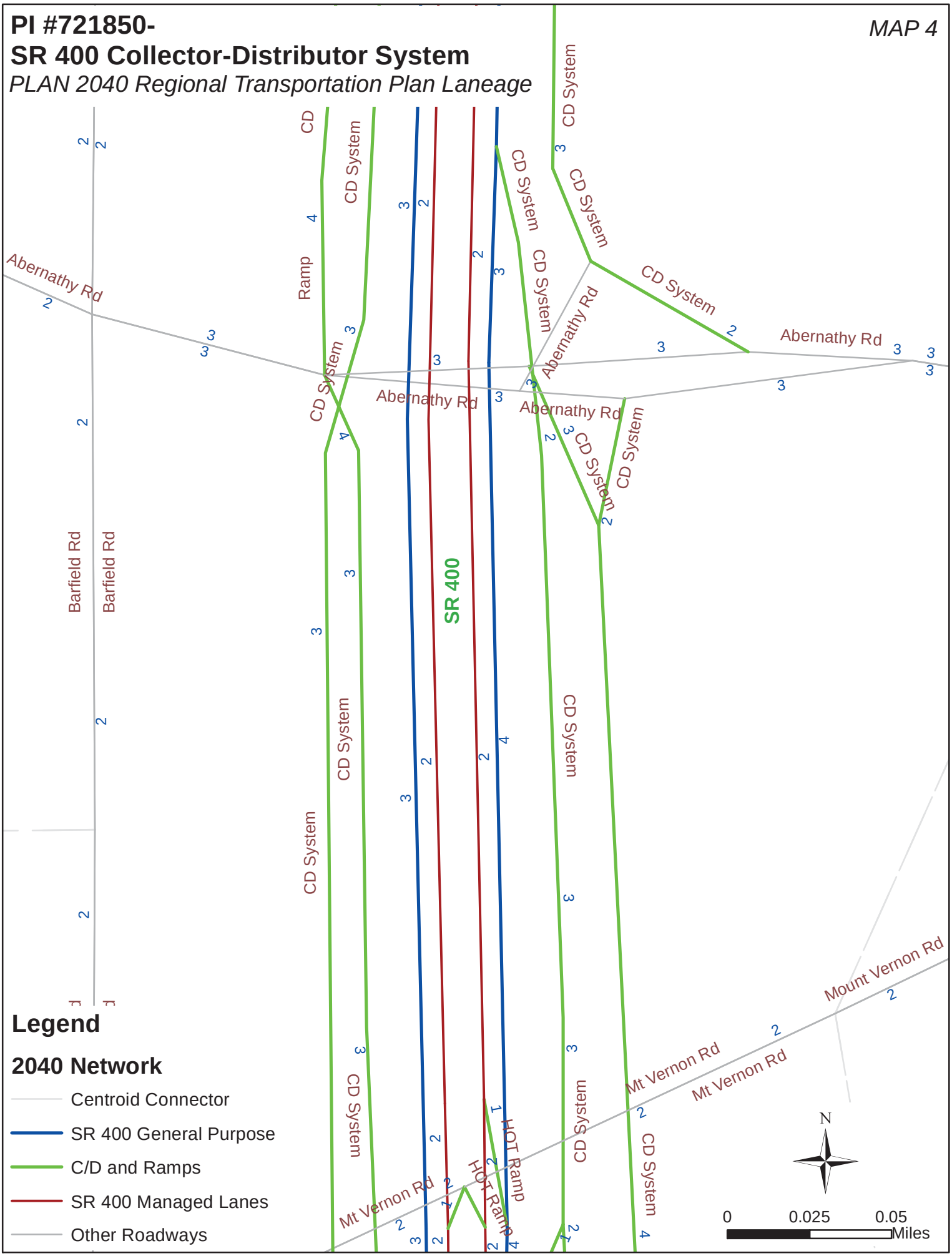
MAP 3



PI #721850-
SR 400 Collector-Distributor System

PLAN 2040 Regional Transportation Plan Laneage

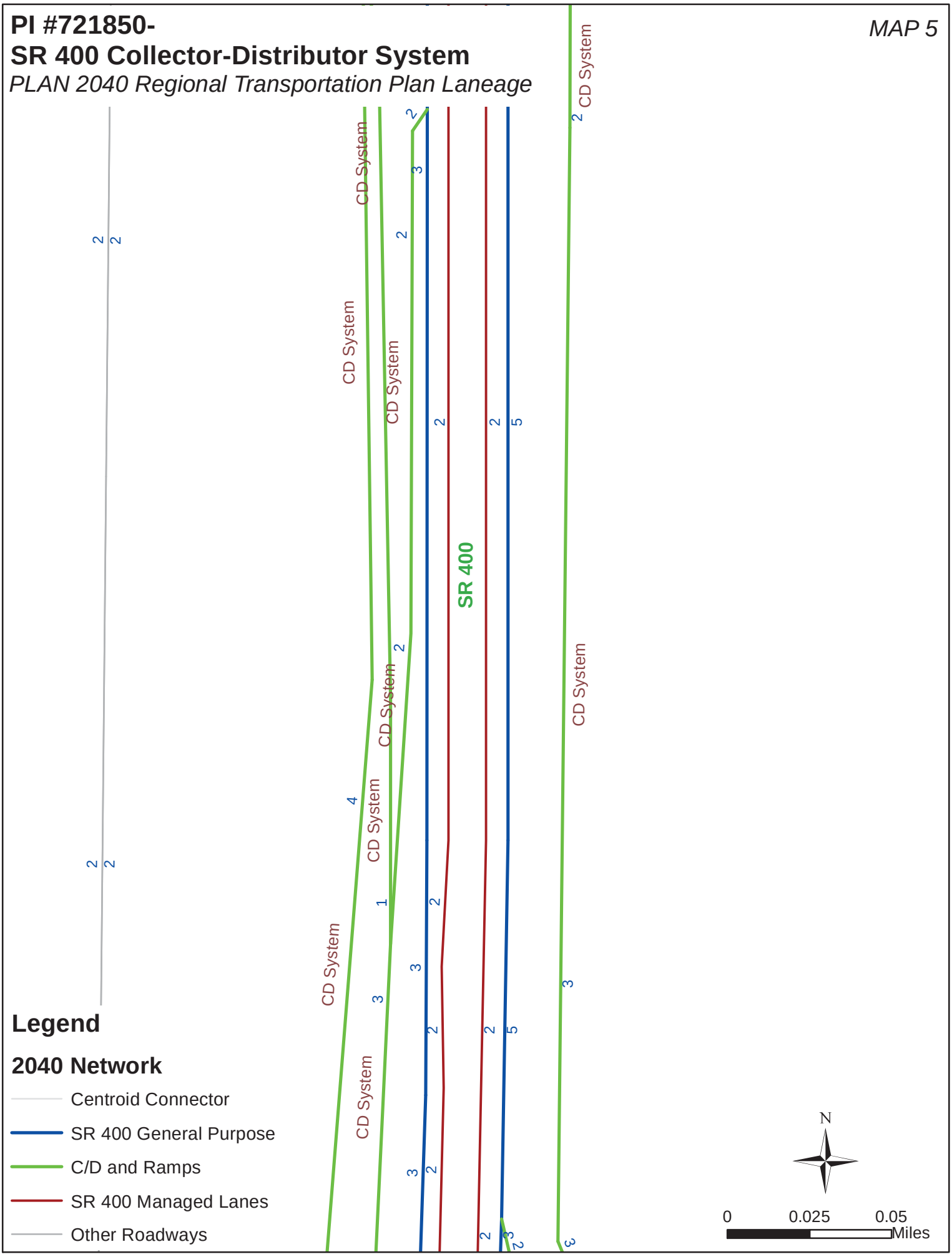
MAP 4



PI #721850-
SR 400 Collector-Distributor System

PLAN 2040 Regional Transportation Plan Laneage

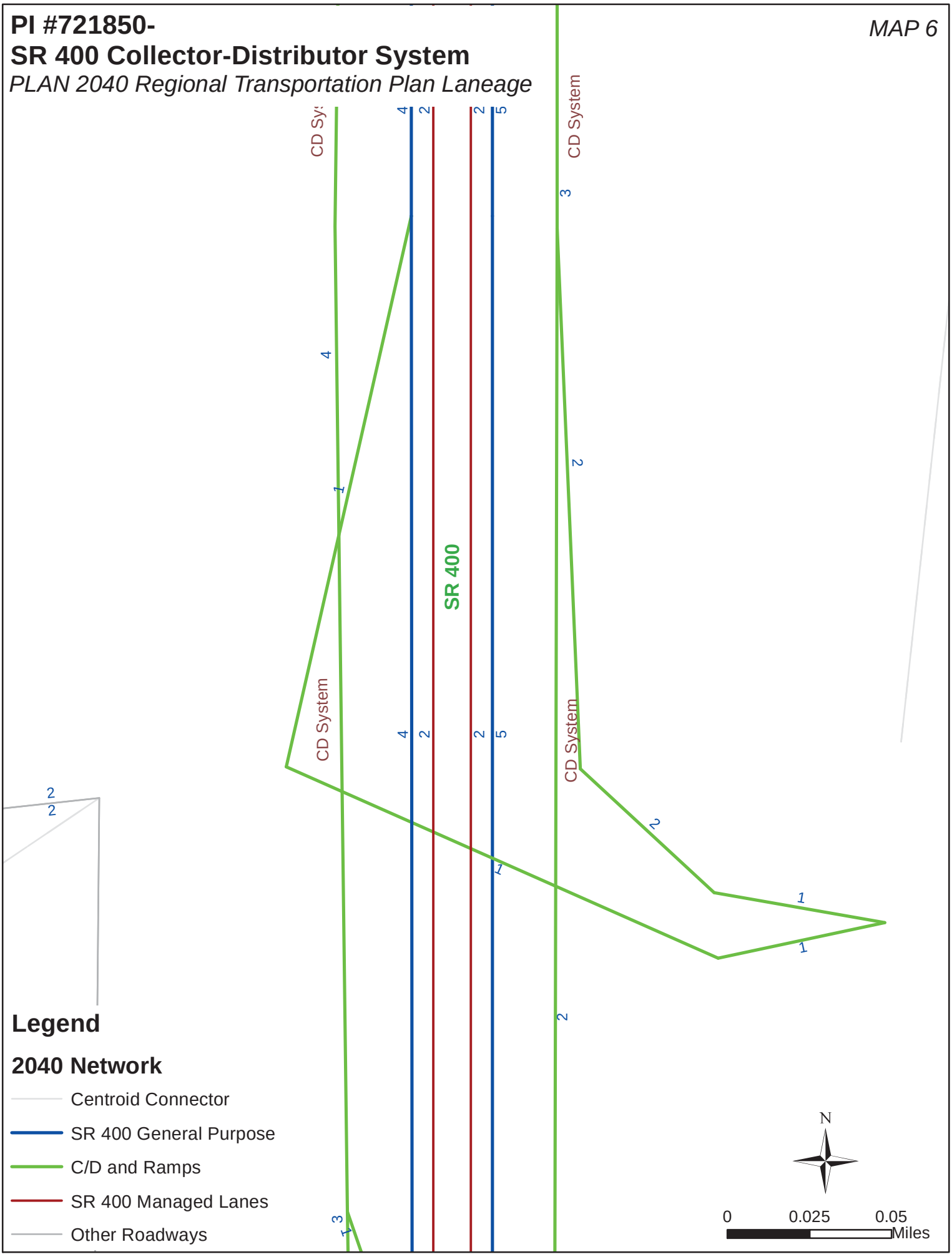
MAP 5



PI #721850-
SR 400 Collector-Distributor System

PLAN 2040 Regional Transportation Plan Laneage

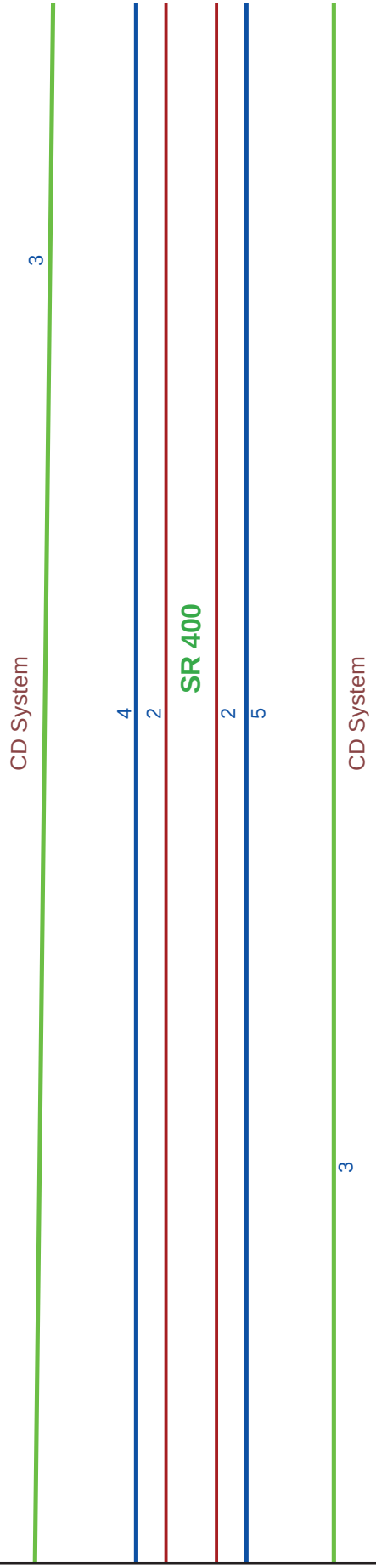
MAP 6



PI #721850-
SR 400 Collector-Distributor System

PLAN 2040 Regional Transportation Plan Laneage

MAP 7



Legend

2040 Network

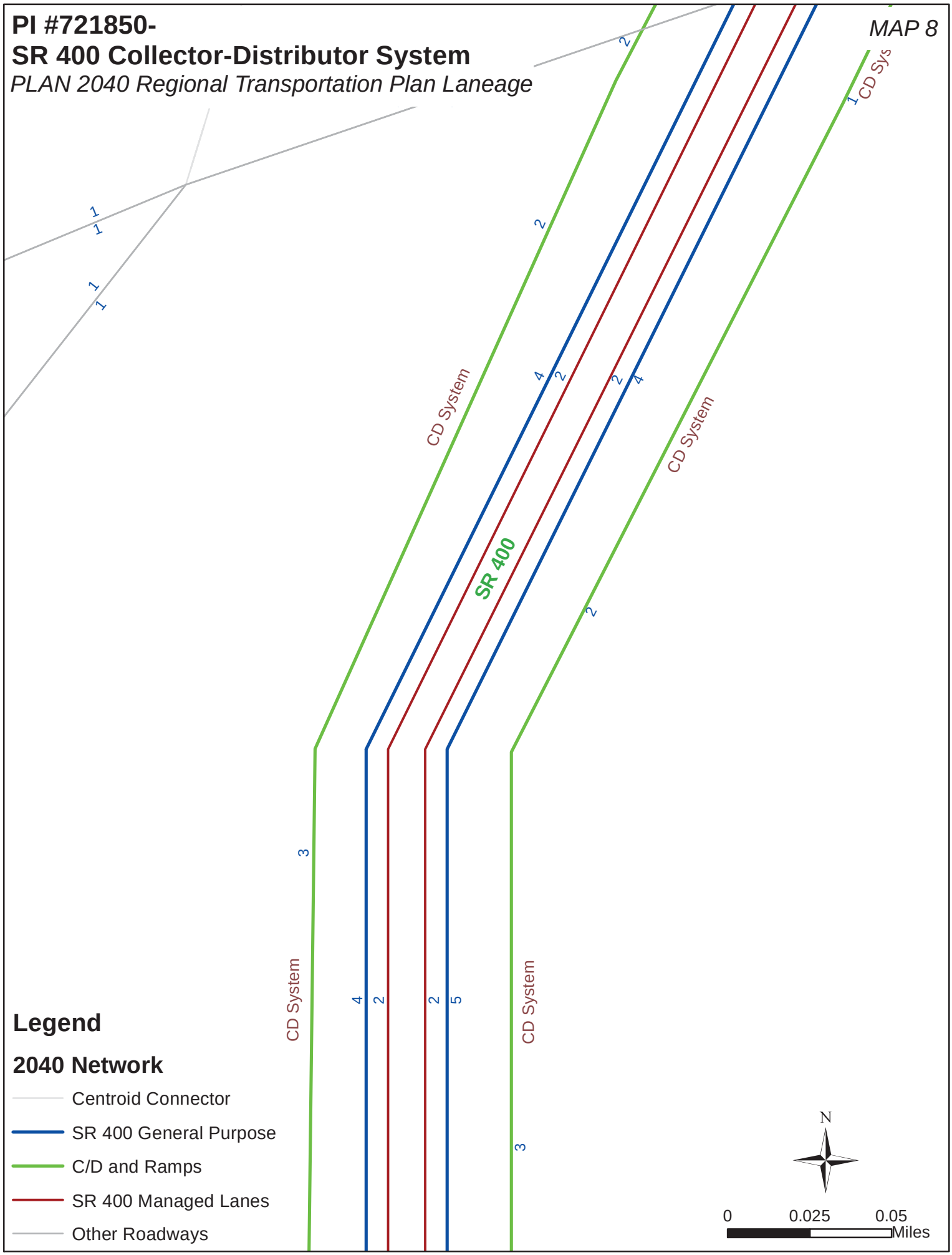
- Centroid Connector
- SR 400 General Purpose
- C/D and Ramps
- SR 400 Managed Lanes
- Other Roadways

N

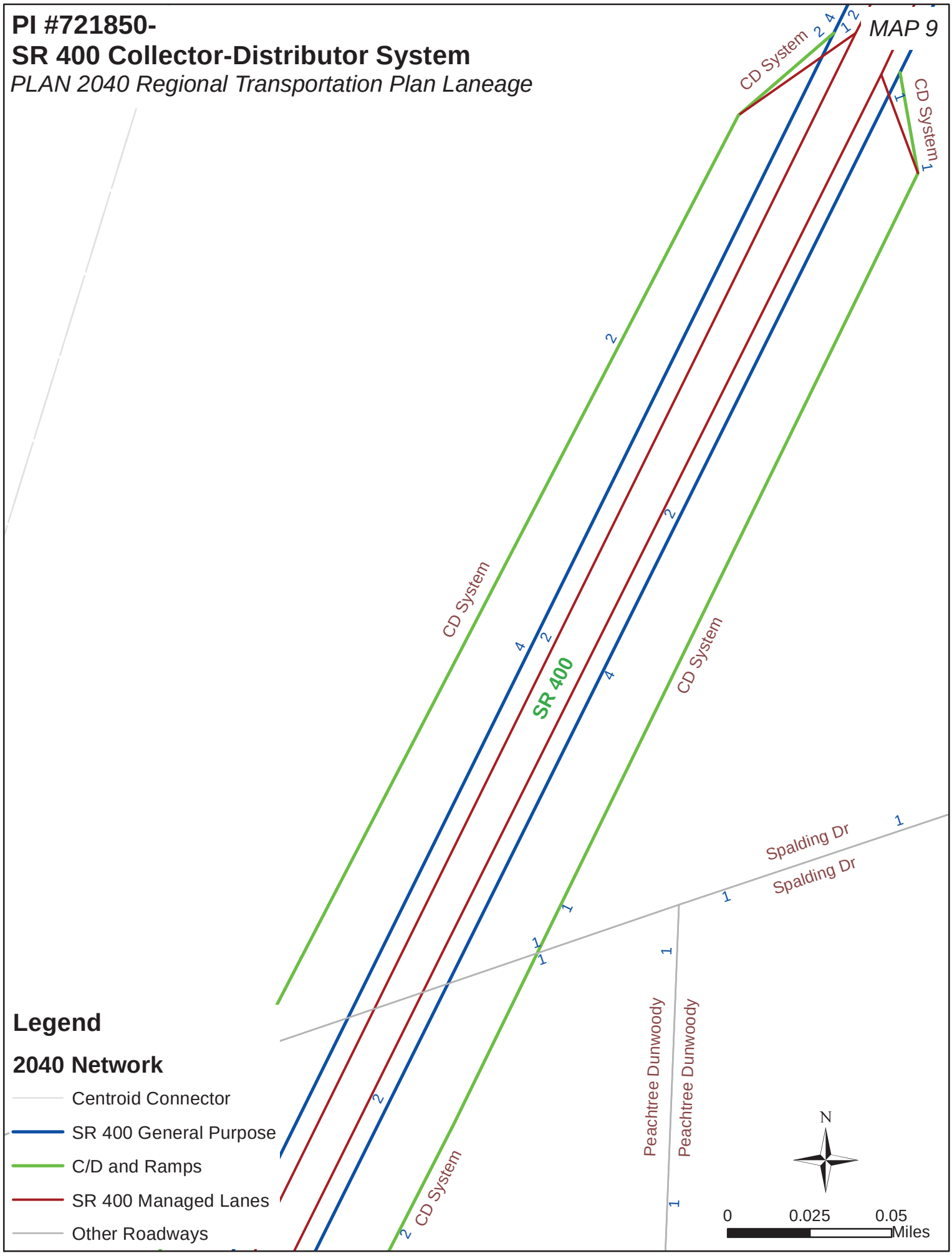
0 0.025 0.05 Miles

PI #721850-
SR 400 Collector-Distributor System
PLAN 2040 Regional Transportation Plan Laneage

MAP 8

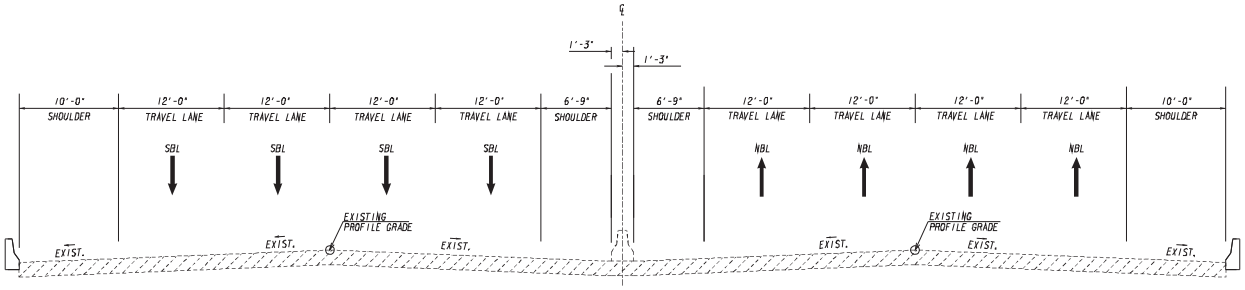


PI #721850-
SR 400 Collector-Distributor System
PLAN 2040 Regional Transportation Plan Laneage

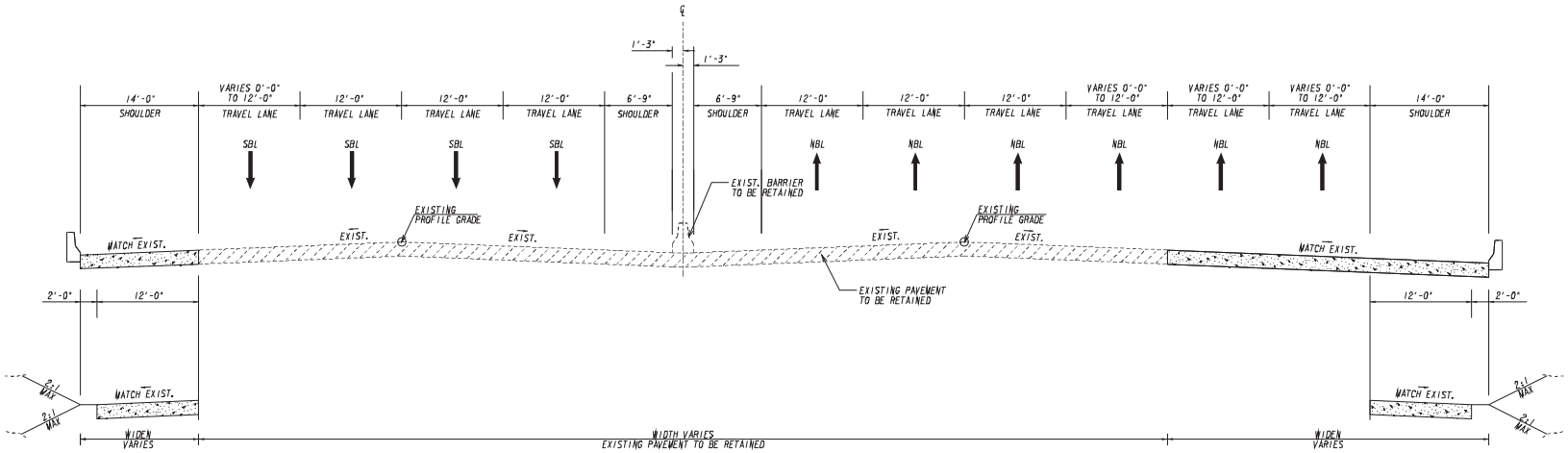


ATTACHMENT 4

TYPICAL SECTIONS



TS-EXIST
SR 400
N. T. S.



TS-01
SR 400
N. T. S.

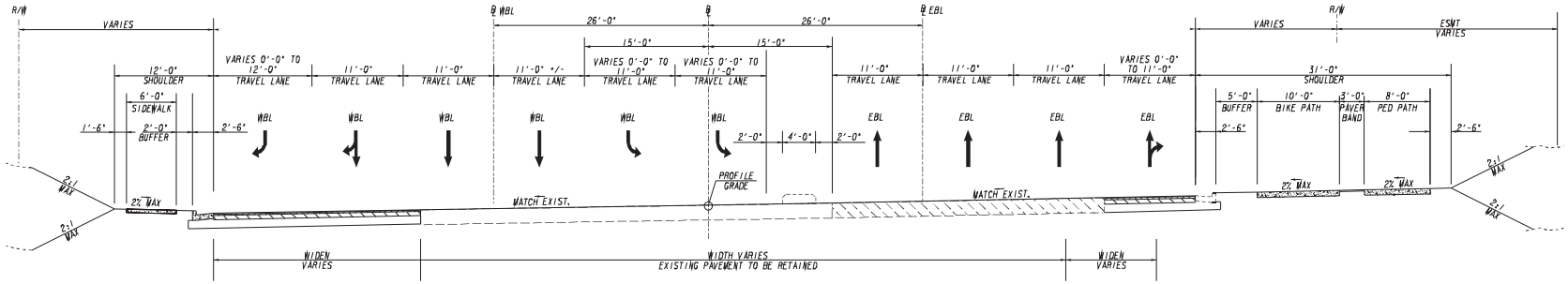
Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

REVISION DATES

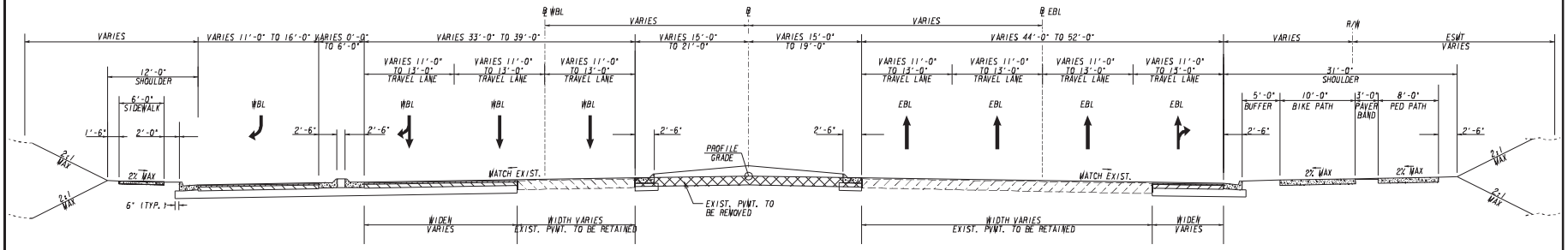
STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: INNOVATIVE DELIVERY
TYPICAL SECTIONS
SR 400
DRAWING No. 05-001

12/14/2012 GPLN

11/14/2014 USER: jerome.sin	11:20x26 IN	GPLOT-V8 gplotborder-v8I-PO.tbl	K:\ATL_Roadway\015663161 SR 400 C-D TO 11\CADD\721850-TYPS.dgn	STATE GA	PROJECT NUMBER NH000-0056-01(052)	SHEET NO.	TOTAL SHEETS



TS-02
ABERNATHY ROAD
(AT BARFIELD ROAD)
N.T.S.



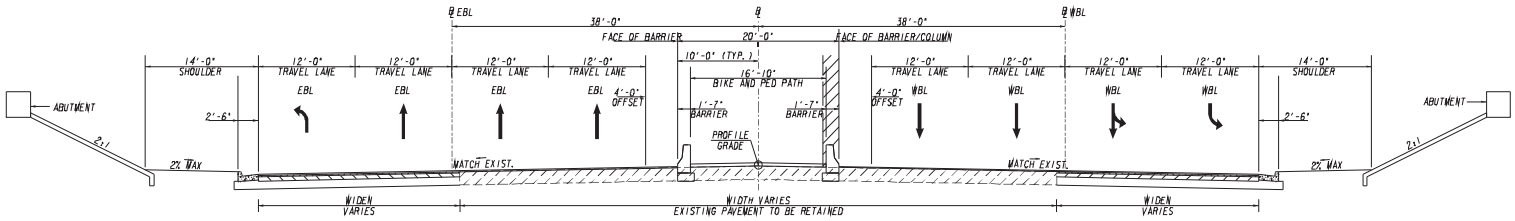
TS-03
ABERNATHY ROAD
(BETWEEN BARFIELD ROAD AND SR 400)
N.T.S.

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

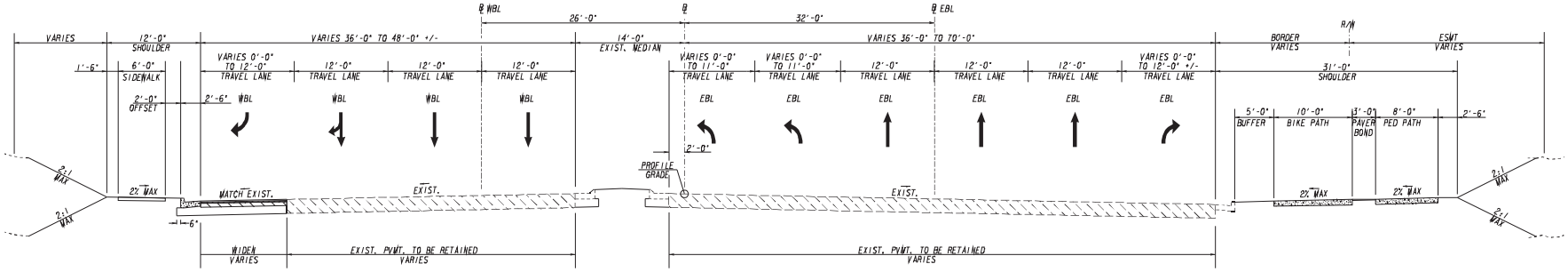
REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: INNOVATIVE DELIVERY
TYPICAL SECTIONS
ABERNATHY ROAD
DRAWING No. 05-002

12/14/2012 GPLN



TS-04
ABERNATHY ROAD
(AT SR 400)
N. T. S.



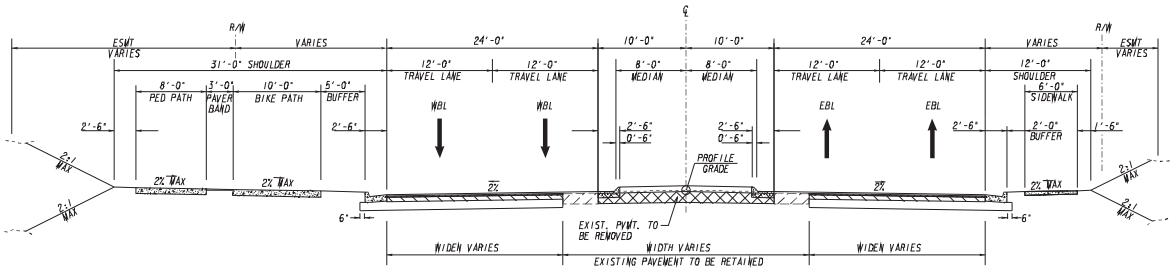
TS-05
ABERNATHY ROAD
(AT PEACHTREE-DUNWOODY ROAD)
N. T. S.

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: INNOVATIVE DELIVERY
TYPICAL SECTIONS
ABERNATHY ROAD
DRAWING No. 05-003

12/14/2012 GPLN



TS-06
MOUNT VERNON HIGHWAY
N.T.S.

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

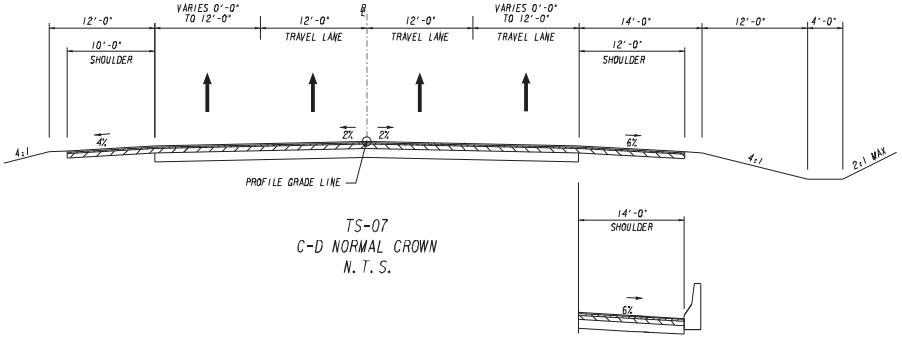
REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: INNOVATIVE DELIVERY

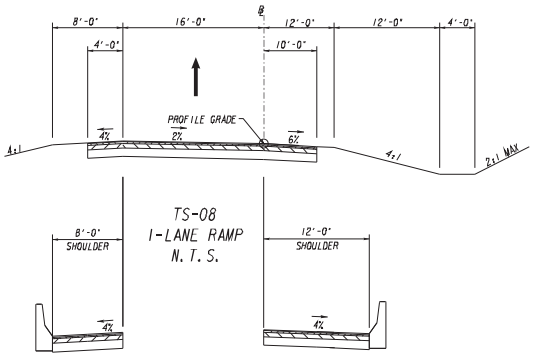
TYPICAL SECTIONS

MOUNT VERNON HIGHWAY

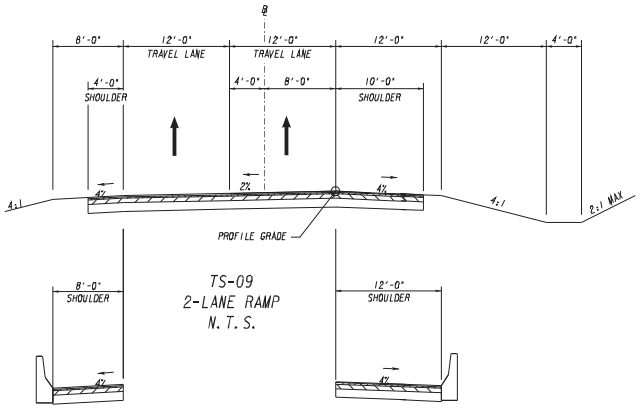
DRAWING No. 05-004



TS-07
C-D NORMAL CROWN
N. T. S.



TS-08
1-LANE RAMP
N. T. S.



TS-09
2-LANE RAMP
N. T. S.

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

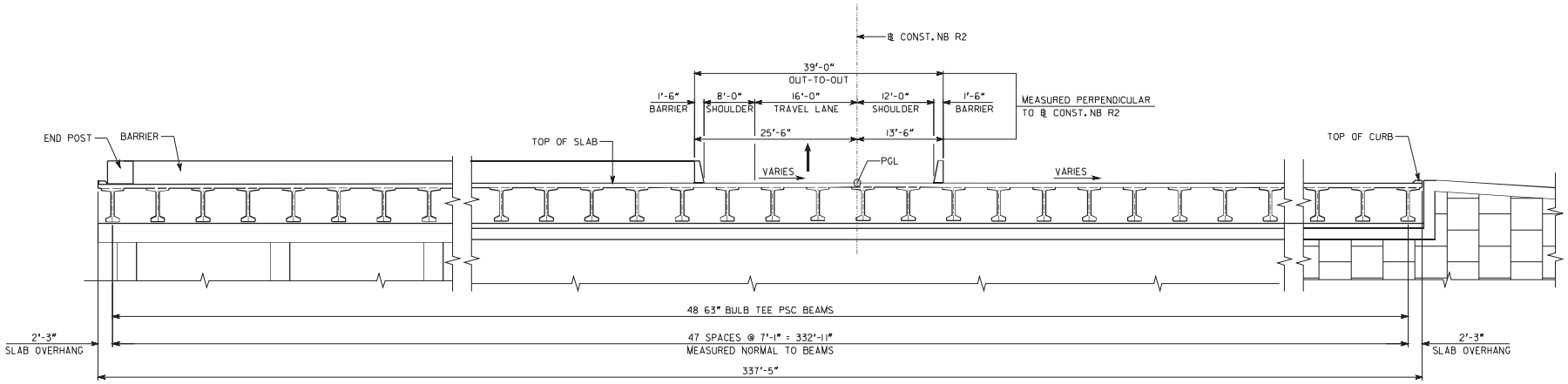
OFFICE: INNOVATIVE DELIVERY

TYPICAL SECTIONS

COLLECTOR-DISTRIBUTOR

DRAWING No. 05-005

STATE	PROJECT NUMBER	SHEET No.	TOTAL SHEETS
GA.	NH000-0056-01(1052)		



TYPICAL SECTION

SCALE: 1/8" = 1'-0"

(LOOKING AHEAD NORMAL TO ℄ CONST. NB R2)

BRIDGE NO. 1

Kimley»Horn

Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

GEORGIA
DEPARTMENT OF TRANSPORTATION
INNOVATIVE DELIVERY

NB RAMP 2 OVER NB COLLECTOR/DISTRIBUTOR
SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE COLLECTOR/DISTRIBUTOR SYSTEM
FULTON COUNTY 721580-

DATE | REVISIONS | BY

SCALE: 1/8" = 1'-0" NOVEMBER 2014

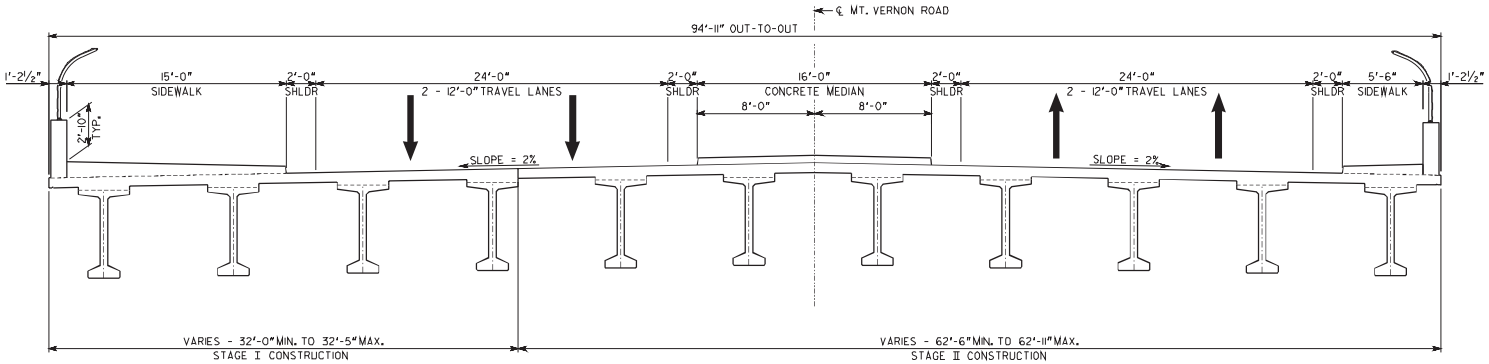
DESIGNED AEL | CHECKED DLS | REVIEWED
DRAWN AEL | DESIGN GROUP | APPROVED

DRAWING NO. 35 - 001
BRIDGE SHEET 1 OF 4

1 INCH WHEN PRINTED FULL SIZE

9:55:21 AM 11/20/2014 K:\AMT_Structures\015663161 SR400 C-D TOll\Cad\Dgn\NB-brald.dgn

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	NH000-0056-01(1052)		



TYPICAL SECTION

SCALE: 1/4" = 1'-0"

(LOOKING AHEAD)

BRIDGE NO. 2

Kimley»Horn

Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

GEORGIA
DEPARTMENT OF TRANSPORTATION
INNOVATIVE DELIVERY

MT. VERNON ROAD OVER SR 400
SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE COLLECTOR/DISTRIBUTOR SYSTEM
FULTON COUNTY 721580-

SCALE: 1/4" = 1'-0" NOVEMBER 2014

DATE | REVISIONS | BY

DRAWING NO. 35 - 002

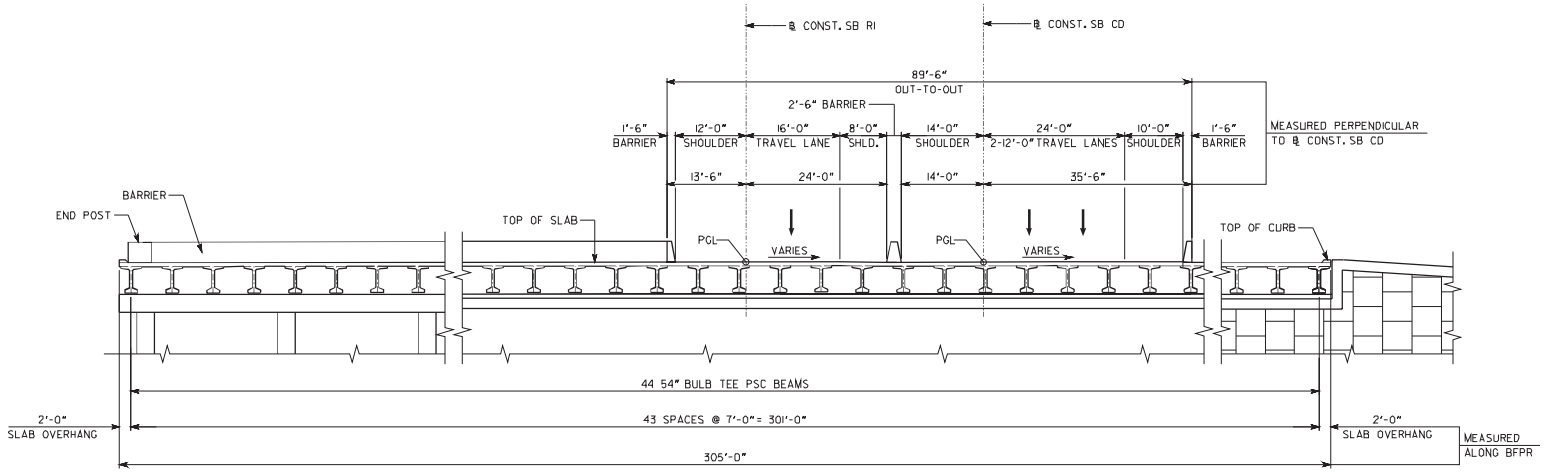
BRIDGE SHEET 2 OF 4

DESIGNED AEL | CHECKED DLS | REVIEWED
DRAWN AEL | DESIGN GROUP | APPROVED

1 INCH WHEN PRINTED FULL SIZE

9:42:02 AM 11/20/2014 K:\AMT_Structures\015663161 SR400 C-D TOll\Cad\Dgn\mtvernon-TYP.dgn

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	NH000-0056-01(1052)		



TYPICAL SECTION

SCALE: 1"= 10'-0"

(LOOKING AHEAD NORMAL TO ℄ CONST. SB CD)

BRIDGE NO. 3

Kimley»Horn

Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

GEORGIA
DEPARTMENT OF TRANSPORTATION
INNOVATIVE DELIVERY

SB COLLECTOR/DISTRIBUTOR OVER SB R2
SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE COLLECTOR/DISTRIBUTOR SYSTEM
FULTON COUNTY 721580-

SCALE: 1" = 10'-0" NOVEMBER 2014

DATE | REVISIONS | BY

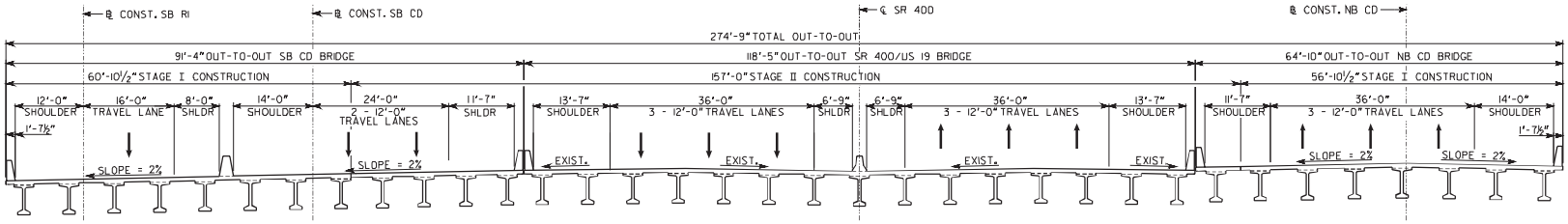
DRAWING NO. 35 - 003
BRIDGE SHEET 3 OF 4

DESIGNED AEL | CHECKED DLS | REVIEWED
DRAWN AEL | DESIGN GROUP | APPROVED

1 INCH WHEN PRINTED FULL SIZE

9:54:01 AM 11/20/2014 K:\AMT_Structures\015663161 SR400 C-D TOll\Cad\Dgn\SB-brald.dgn

STATE	PROJECT NUMBER	SHEET No.	TOTAL SHEETS
GA.	NH000-0056-0110052)		



TYPICAL SECTION

SCALE: 1" = 1'-0"

(LOOKING AHEAD)

BRIDGE NO. 4

Kimley»Horn

Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

GEORGIA
DEPARTMENT OF TRANSPORTATION
INNOVATIVE DELIVERY

SR 400 OVER ABERNATHY ROAD

SR 400 FROM HAMMOND DR/ABERNATHY RD TO NORTH OF SPALDING DR, INCLUDING THE COLLECTOR/DISTRIBUTOR SYSTEM

FULTON COUNTY 721580-

SCALE: 1" = 10'-0" NOVEMBER 2014

DATE | REVISIONS | BY

DRAWING NO. 35 - 004

BRIDGE SHEET 4 OF 4

DESIGNED AEL | CHECKED DLS | REVIEWED
DRAWN AEL | DESIGN GROUP | APPROVED

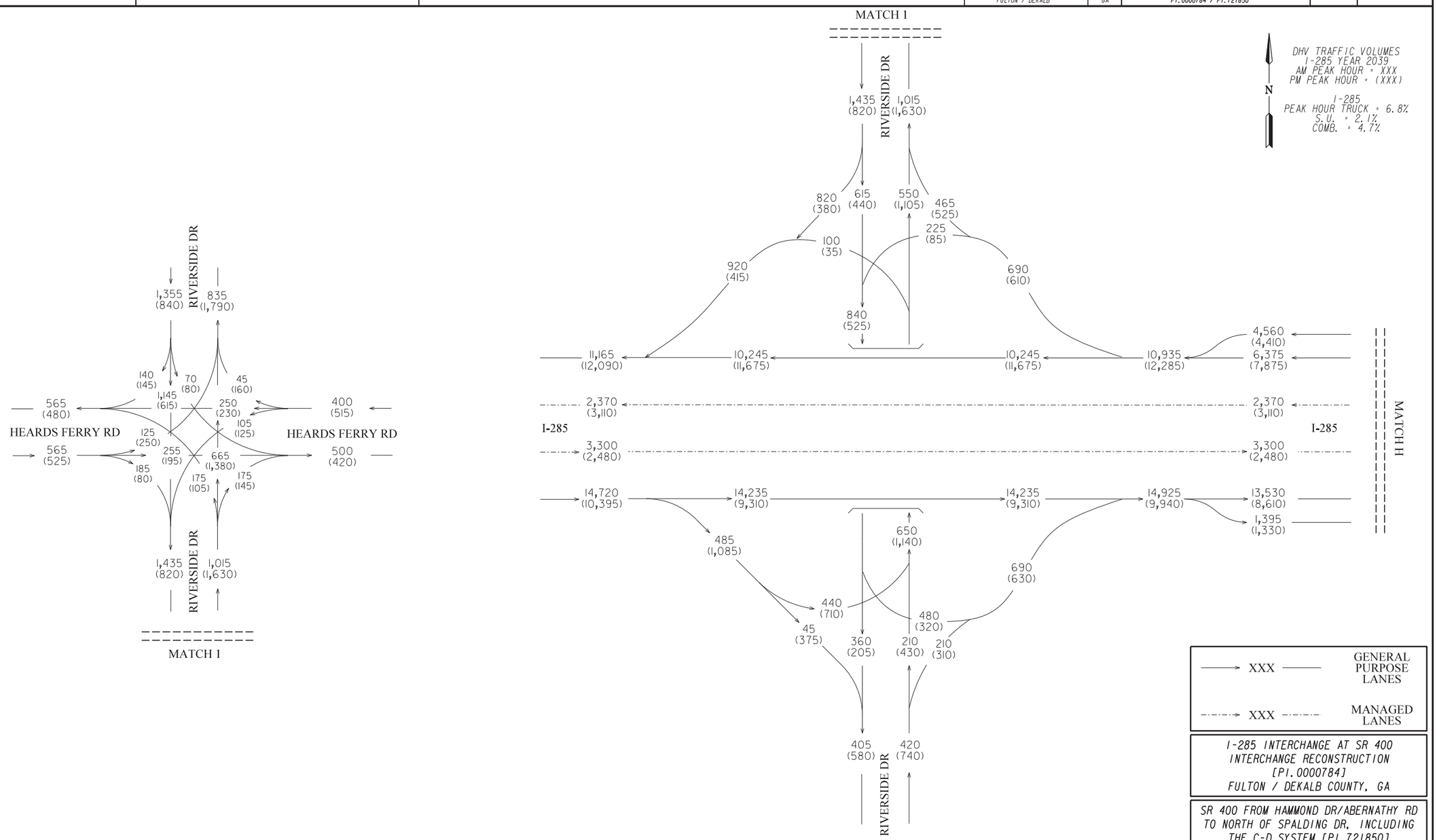
1 INCH WHEN PRINTED FULL SIZE

10:22:39 AM 11/20/2014 K:\AMT_Structures\015663161 SR400 C-D TOll\Cad\Dgn\abernathy-TYP.dgn

ATTACHMENT 5

APPROVED TRAFFIC FLOW DIAGRAMS

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		



I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD TO NORTH OF SPALDING DR, INCLUDING THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

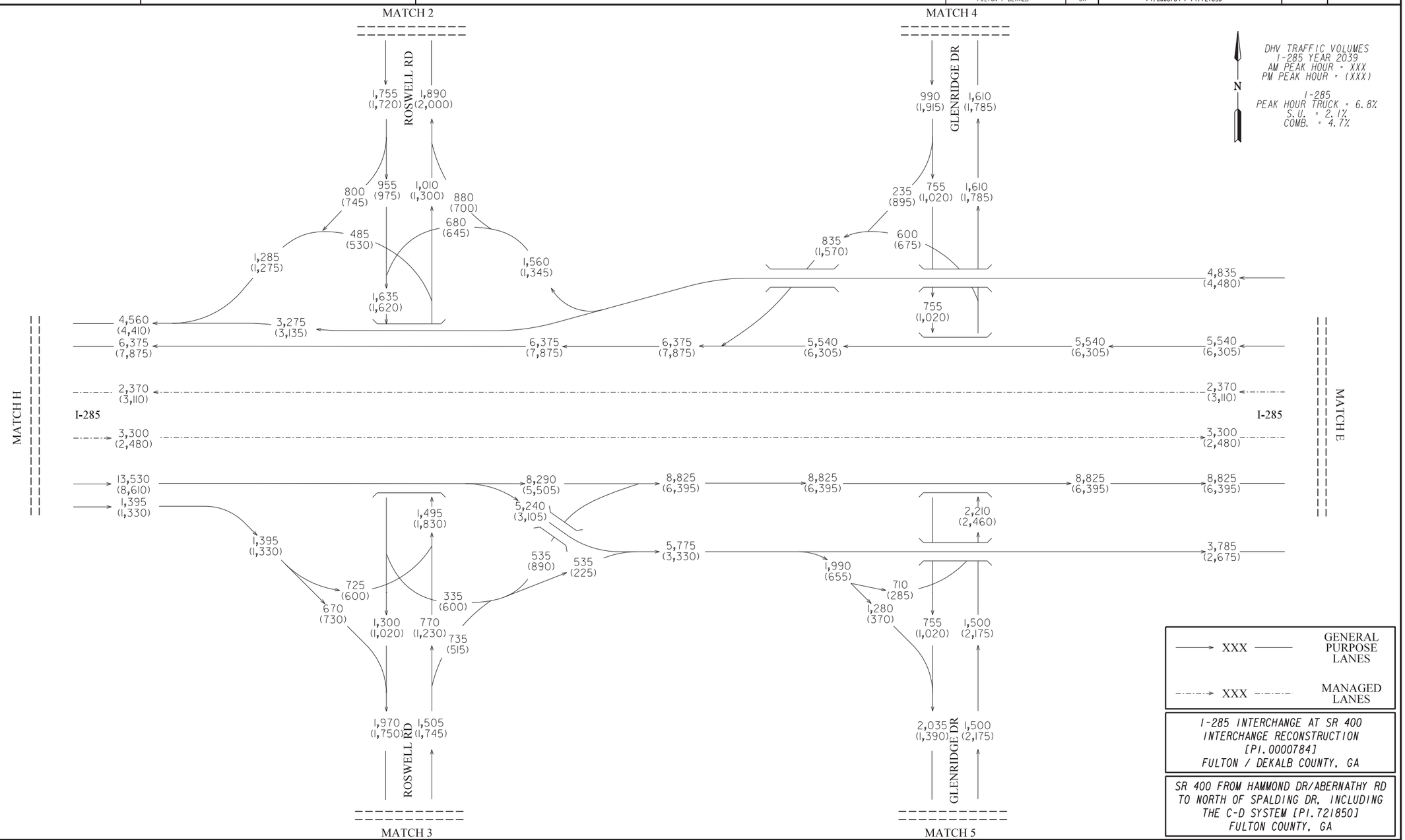
STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #7

YEAR 2039 DHV BUILD (PI.0000784)
YEAR 2039 DHV BUILD (PI.721850)
SHEET 1 OF 15

DRAWING No.
10-001

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		



I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

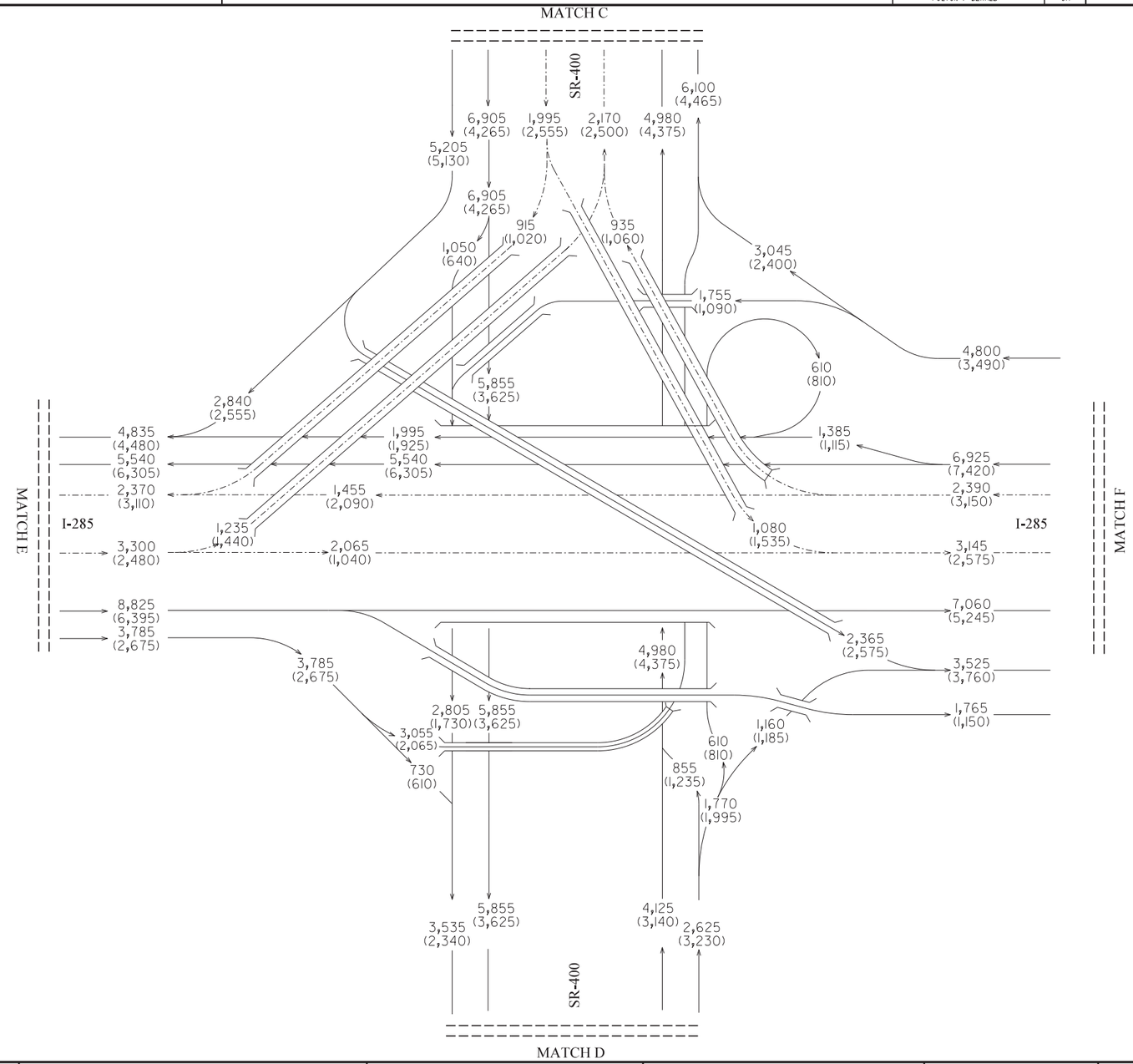
OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #7

YEAR 2039 DHV BUILD (PI.0000784)
YEAR 2039 DHV BUILD (PI.721850)
SHEET 2 OF 15

DRAWING No.
10-002

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		



DHV TRAFFIC VOLUMES
I-285 YEAR 2039
AM PEAK HOUR = XXX
PM PEAK HOUR = (XXX)

I-285
PEAK HOUR TRUCK = 6.8%
S.U. = 2.1%
COMB. = 4.7%

N

——→ XXX ——	GENERAL PURPOSE LANES
-·-·→ XXX -·-·-	MANAGED LANES

I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

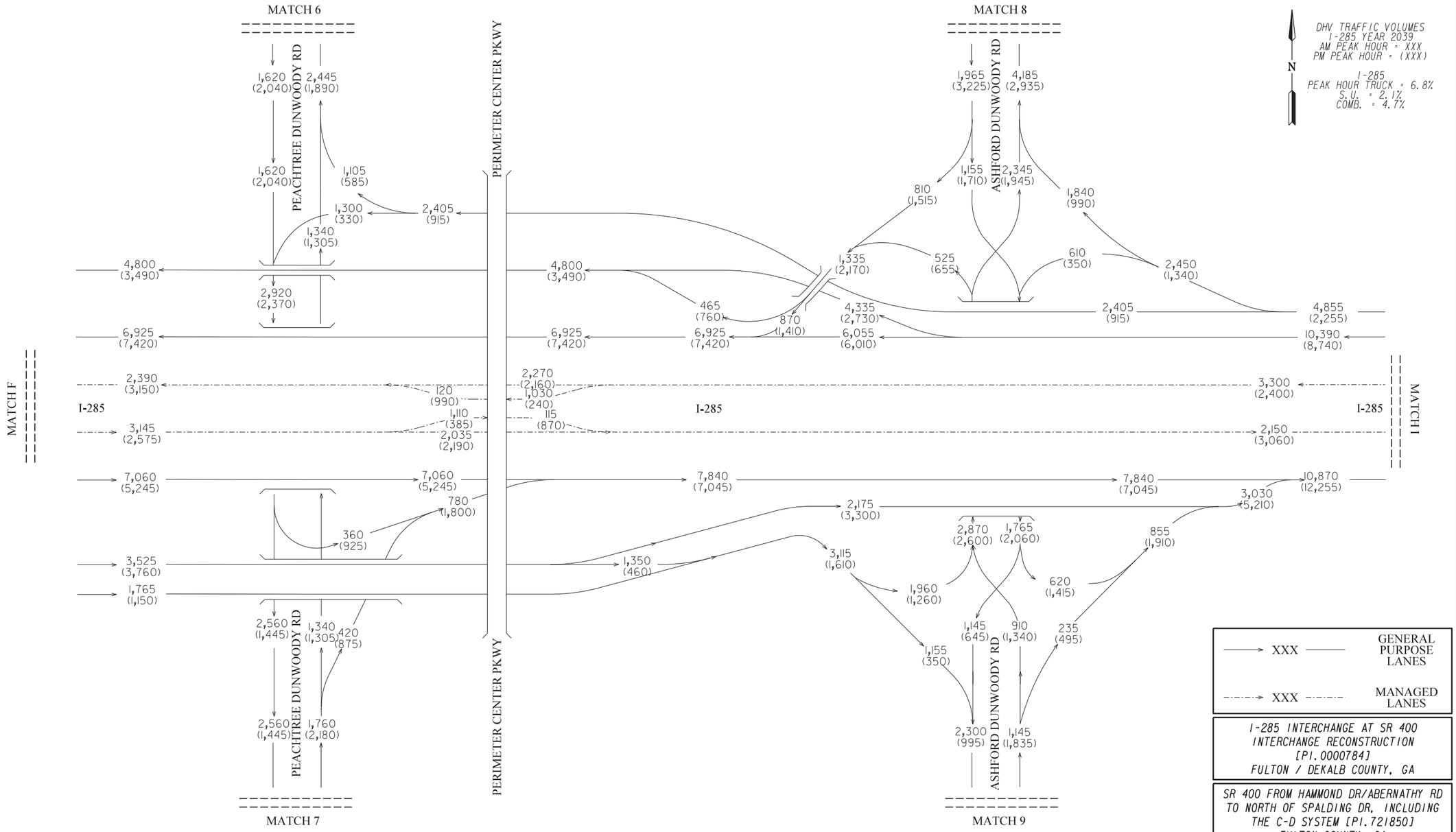
OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #7

YEAR 2039 DHV BUILD (PI.0000784)
YEAR 2039 DHV BUILD (PI.721850)
SHEET 3 OF 15

DRAWING No.
10-003

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		



I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

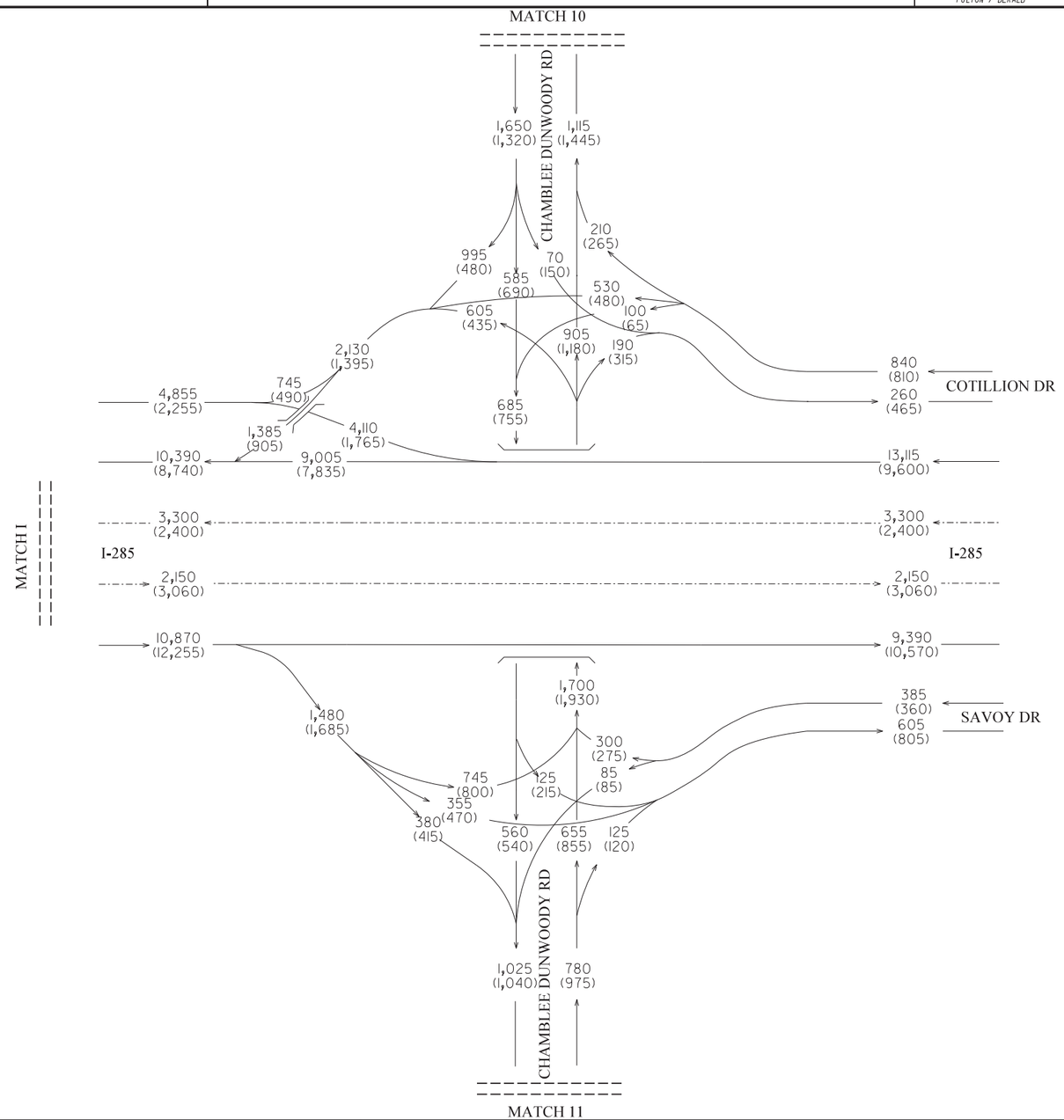
OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #7

YEAR 2039 DHV BUILD (PI.0000784)
YEAR 2039 DHV BUILD (PI.721850)
SHEET 4 OF 15

DRAWING No.
10-004

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		



DHV TRAFFIC VOLUMES
I-285 YEAR 2039
AM PEAK HOUR = XXX
PM PEAK HOUR = (XXX)

I-285
PEAK HOUR TRUCK = 6.8%
S.U. = 2.1%
COMB. = 4.7%

N

——→ XXX ——	GENERAL PURPOSE LANES
-·-·-→ XXX -·-·-	MANAGED LANES

I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #7

YEAR 2039 DHV BUILD (PI.0000784)
YEAR 2039 DHV BUILD (PI.721850)
SHEET 5 OF 15

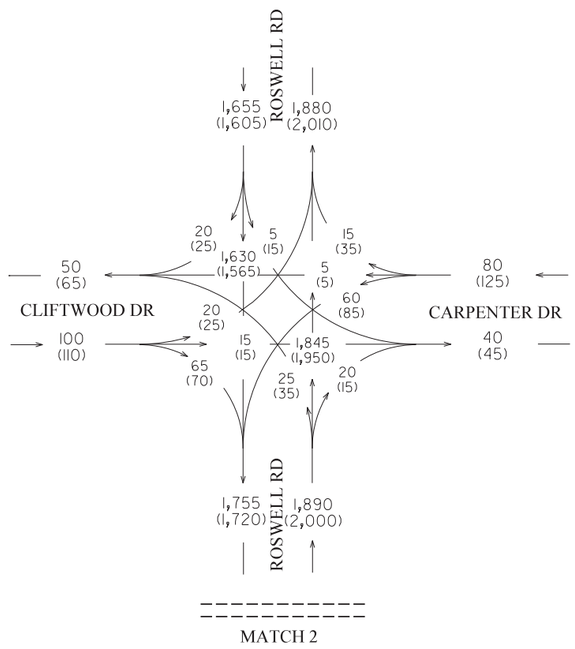
DRAWING No.
10-005

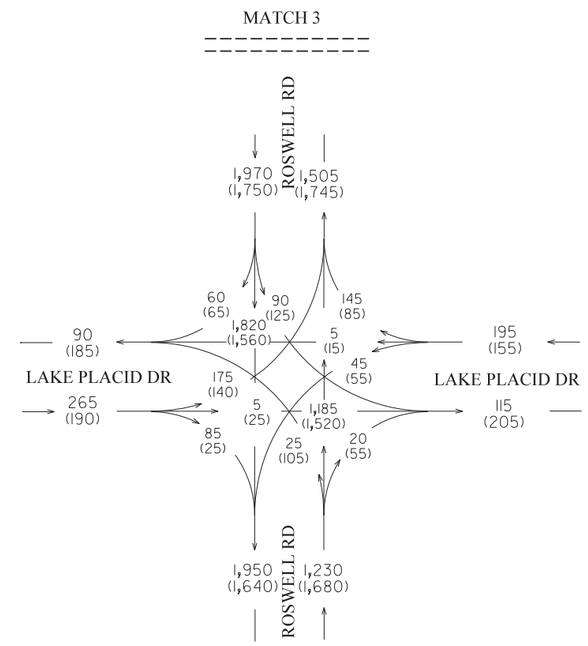
COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

N

DHV TRAFFIC VOLUMES
I-285 YEAR 2039
AM PEAK HOUR = XXX
PM PEAK HOUR = (XXX)

I-285
PEAK HOUR TRUCK = 6.8%
S.U. = 2.1%
COMB. = 4.7%





——→ XXX ———	GENERAL PURPOSE LANES
-·-·-→ XXX -·-·-	MANAGED LANES

I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #7

YEAR 2039 DHV BUILD (PI.0000784)
YEAR 2039 DHV BUILD (PI.721850)
SHEET 6 OF 15

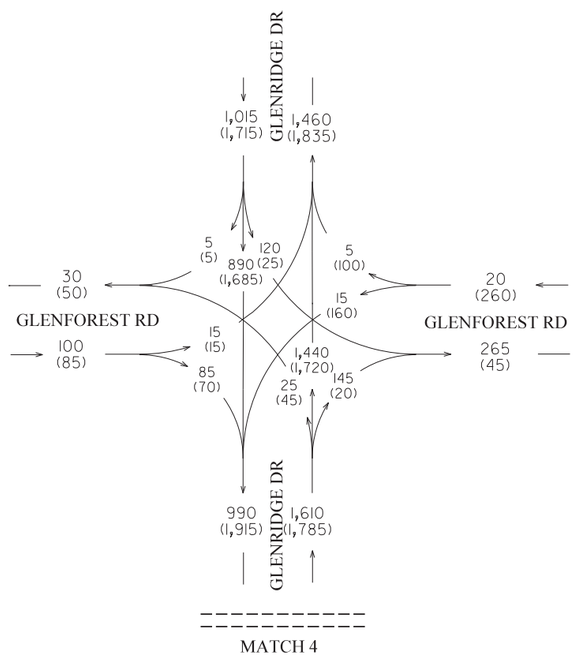
DRAWING No.
10-006

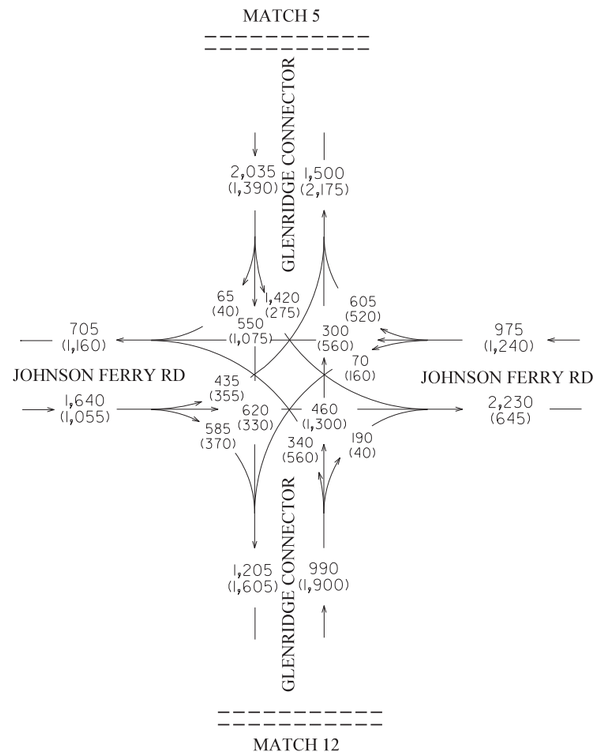
COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

N

DHV TRAFFIC VOLUMES
I-285 YEAR 2039
AM PEAK HOUR = XXX
PM PEAK HOUR = (XXX)

I-285
PEAK HOUR TRUCK = 6.8%
S.U. = 2.1%
COMB. = 4.7%





——→ XXX ——	GENERAL PURPOSE LANES
-·-·-→ XXX -·-·-	MANAGED LANES

I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #7

YEAR 2039 DHV BUILD (PI.0000784)
YEAR 2039 DHV BUILD (PI.721850)
SHEET 7 OF 15

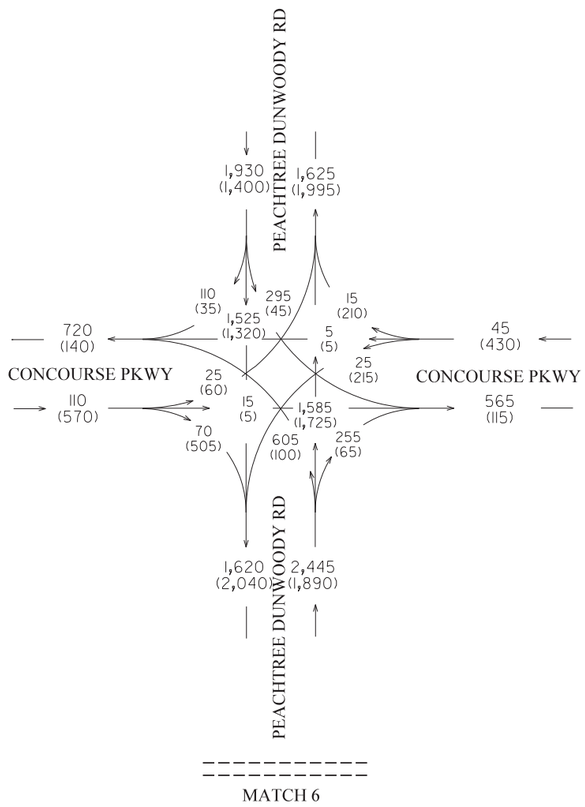
DRAWING No.
10-007

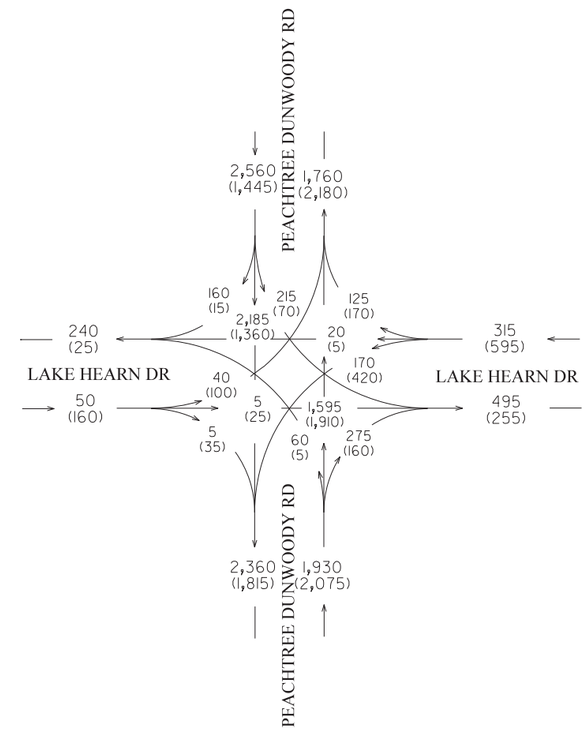
COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

N

DHV TRAFFIC VOLUMES
I-285 YEAR 2039
AM PEAK HOUR = XXX
PM PEAK HOUR = (XXX)

I-285
PEAK HOUR TRUCK = 6.8%
S.U. = 2.1%
COMB. = 4.7%





——→ XXX ——	GENERAL PURPOSE LANES
-·-·-→ XXX -·-·-	MANAGED LANES

I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #7

YEAR 2039 DHV BUILD (PI.0000784)
YEAR 2039 DHV BUILD (PI.721850)
SHEET 8 OF 15

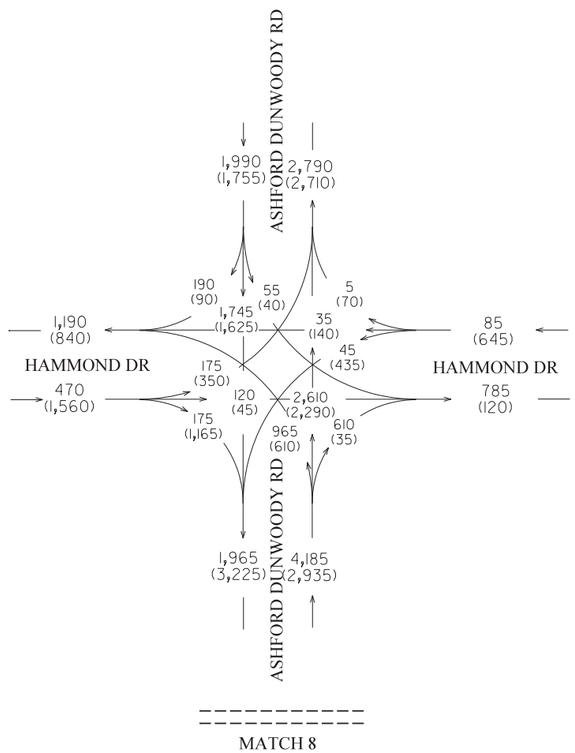
DRAWING No.
10-008

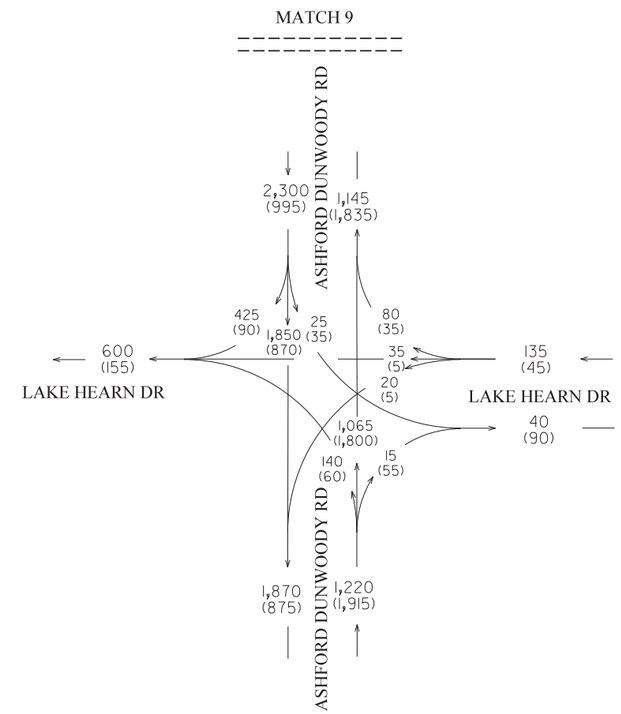
COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

DHV TRAFFIC VOLUMES
I-285 YEAR 2039
AM PEAK HOUR = XXX
PM PEAK HOUR = (XXX)

I-285
PEAK HOUR TRUCK = 6.8%
S.U. = 2.1%
COMB. = 4.7%

N





——→ XXX ——	GENERAL PURPOSE LANES
-·-·-→ XXX -·-·-	MANAGED LANES

I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #7

YEAR 2039 DHV BUILD (PI.0000784)
YEAR 2039 DHV BUILD (PI.721850)
SHEET 9 OF 15

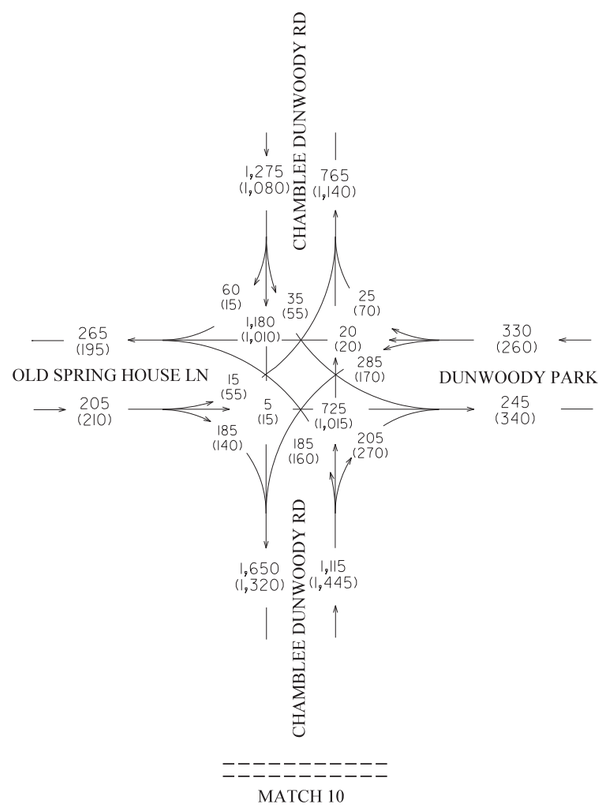
DRAWING No.
10-009

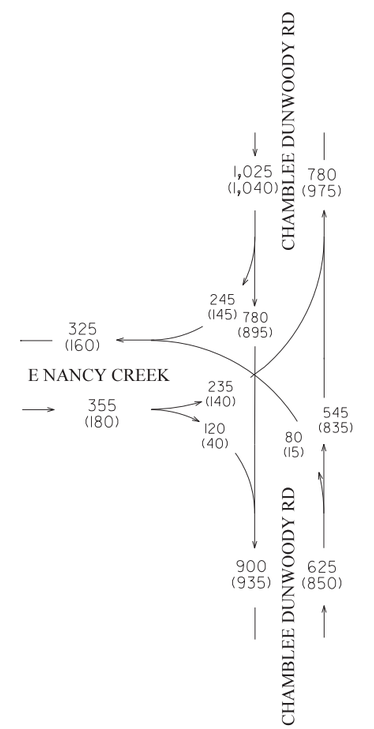
COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

N

DHV TRAFFIC VOLUMES
I-285 YEAR 2039
AM PEAK HOUR = XXX
PM PEAK HOUR = (XXX)

I-285
PEAK HOUR TRUCK = 6.8%
S.U. = 2.1%
COMB. = 4.7%





——→ XXX ——	GENERAL PURPOSE LANES
-·-·-→ XXX -·-·-	MANAGED LANES

I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

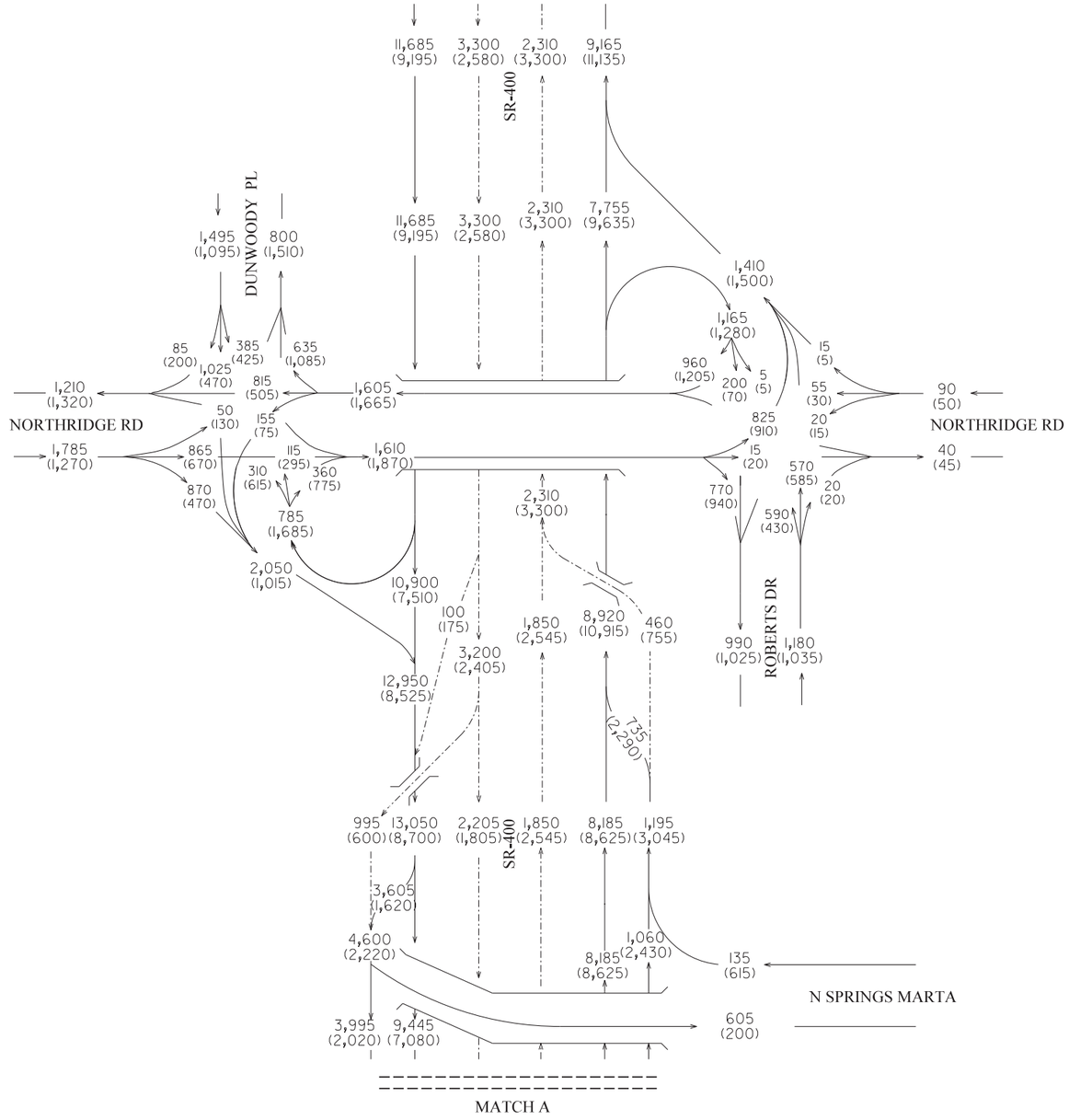
STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #7

YEAR 2039 DHV BUILD (PI.0000784)
YEAR 2039 DHV BUILD (PI.721850)
SHEET 10 OF 15

DRAWING No.
10-010

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		



DHV TRAFFIC VOLUMES
I-285 YEAR 2039
AM PEAK HOUR = XXX
PM PEAK HOUR = (XXX)

SR-400
PEAK HOUR TRUCK = 2.7%
S.U. = 2.0%
COMB. = 0.7%

N

XXX — GENERAL PURPOSE LANES

XXX — MANAGED LANES

I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

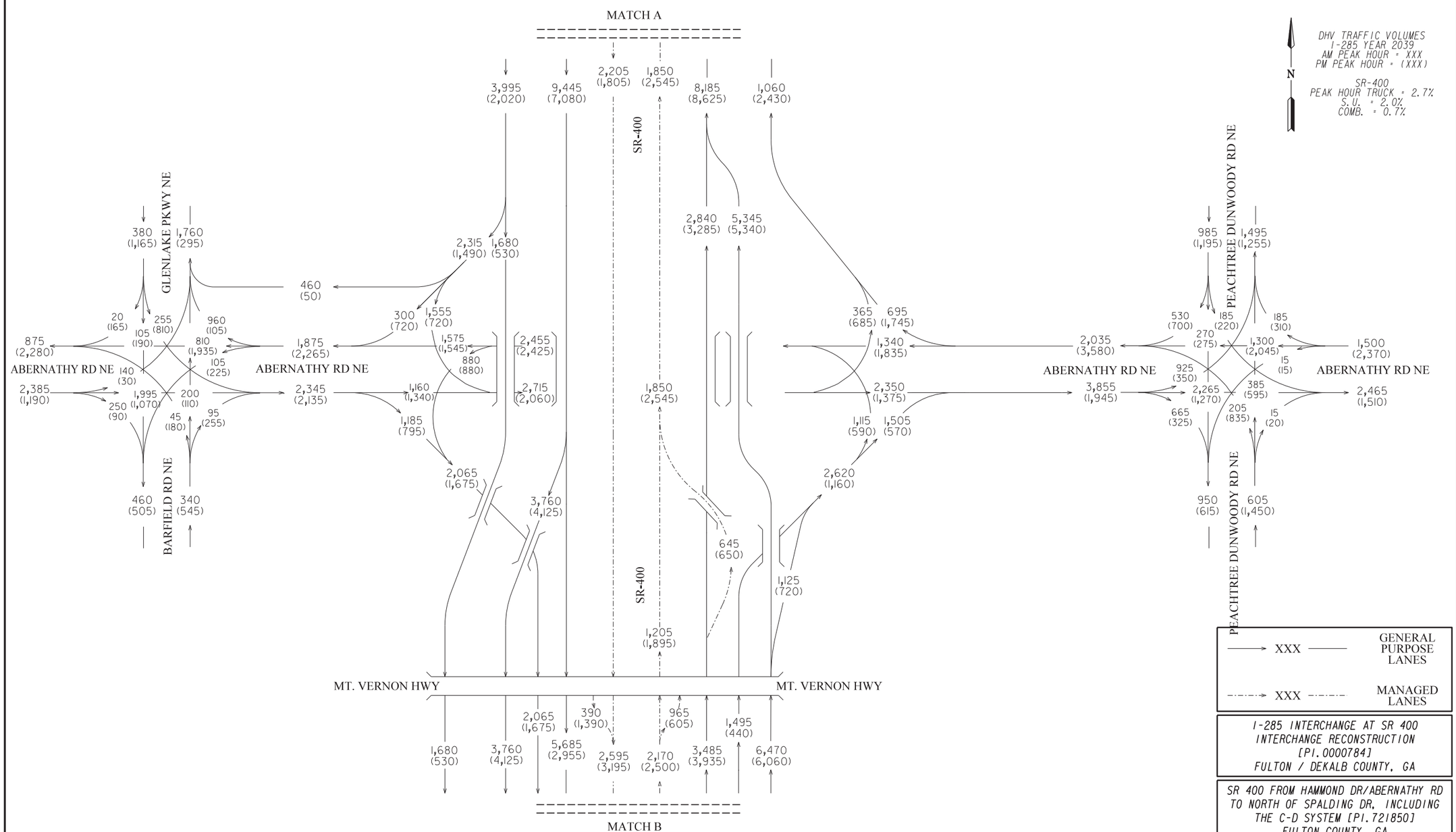
OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #7

YEAR 2039 DHV BUILD (PI.0000784)
YEAR 2039 DHV BUILD (PI.721850)
SHEET 11 OF 15

DRAWING No.
10-011

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		



I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #7

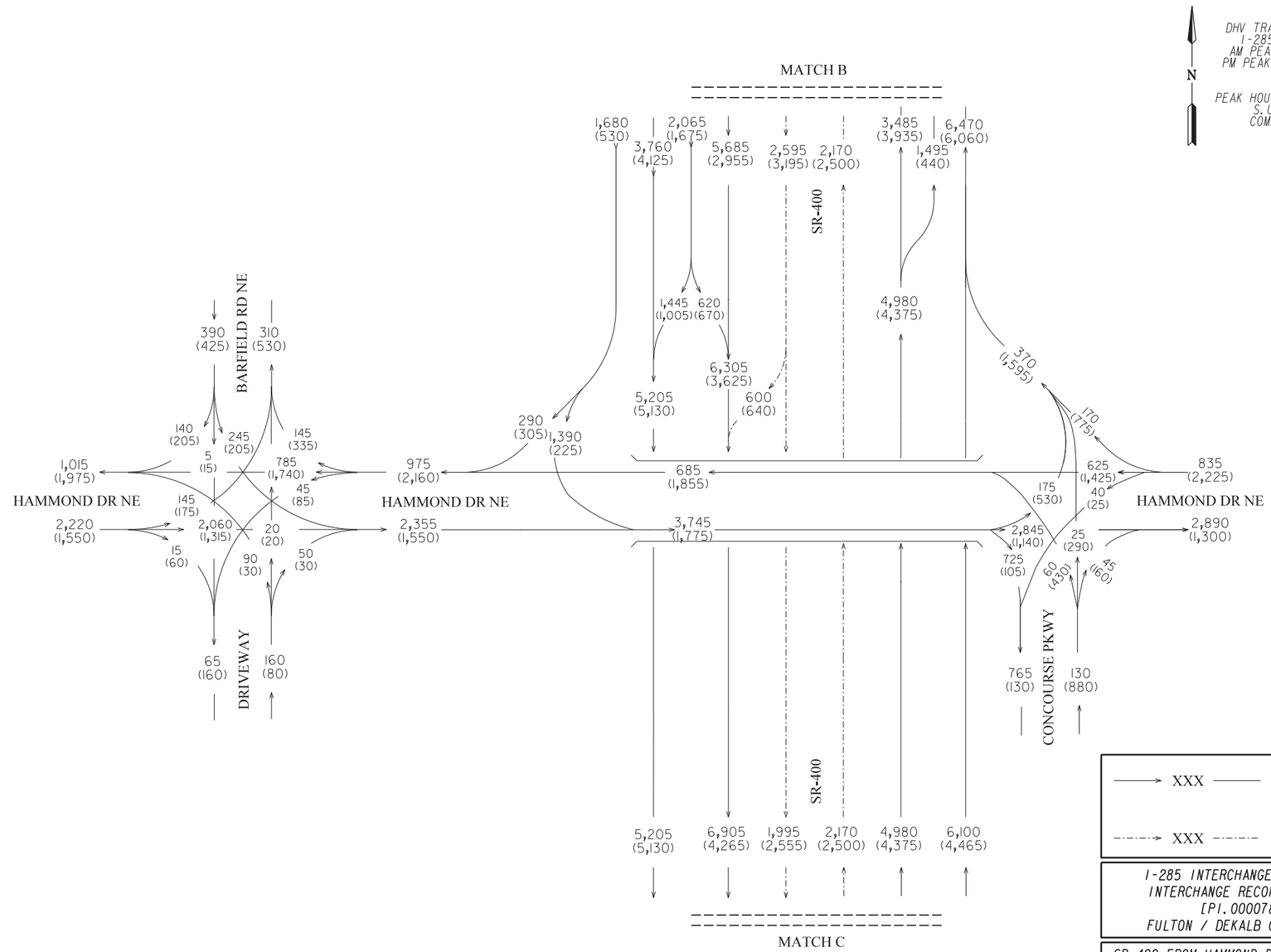
YEAR 2039 DHV BUILD (PI.0000784)
YEAR 2039 DHV BUILD (PI.721850)
SHEET 12 OF 15

DRAWING No.
10-012

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

DHV TRAFFIC VOLUMES
I-285 YEAR 2039
AM PEAK HOUR = XXX
PM PEAK HOUR = (XXX)

SR-400
PEAK HOUR TRUCK = 2.7%
S.U. = 2.0%
COMB. = 0.7%



——→ XXX ——	GENERAL PURPOSE LANES
-·-·-→ XXX -·-·-	MANAGED LANES

I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #7

YEAR 2039 DHV BUILD (PI.0000784)
YEAR 2039 DHV BUILD (PI.721850)
SHEET 13 OF 15

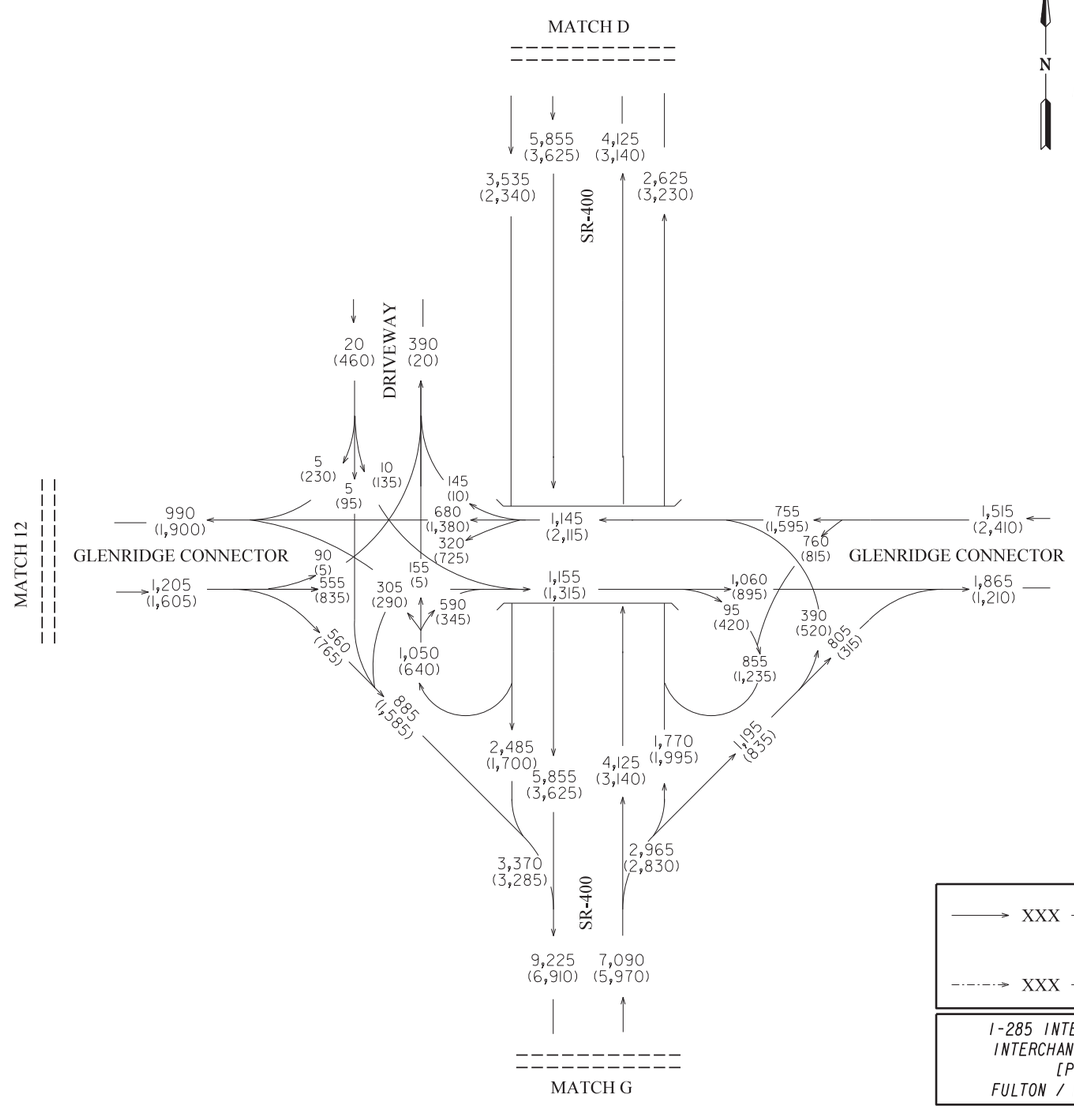
DRAWING No.
10-013

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

DHV TRAFFIC VOLUMES
I-285 YEAR 2039
AM PEAK HOUR = XXX
PM PEAK HOUR = (XXX)

SR-400
PEAK HOUR TRUCK = 2.7%
S.U. = 2.0%
COMB. = 0.7%

N



——→ XXX ——	GENERAL PURPOSE LANES
-·-·-→ XXX -·-·-	MANAGED LANES

I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #7

YEAR 2039 DHV BUILD (PI.0000784)
YEAR 2039 DHV BUILD (PI.721850)
SHEET 14 OF 15

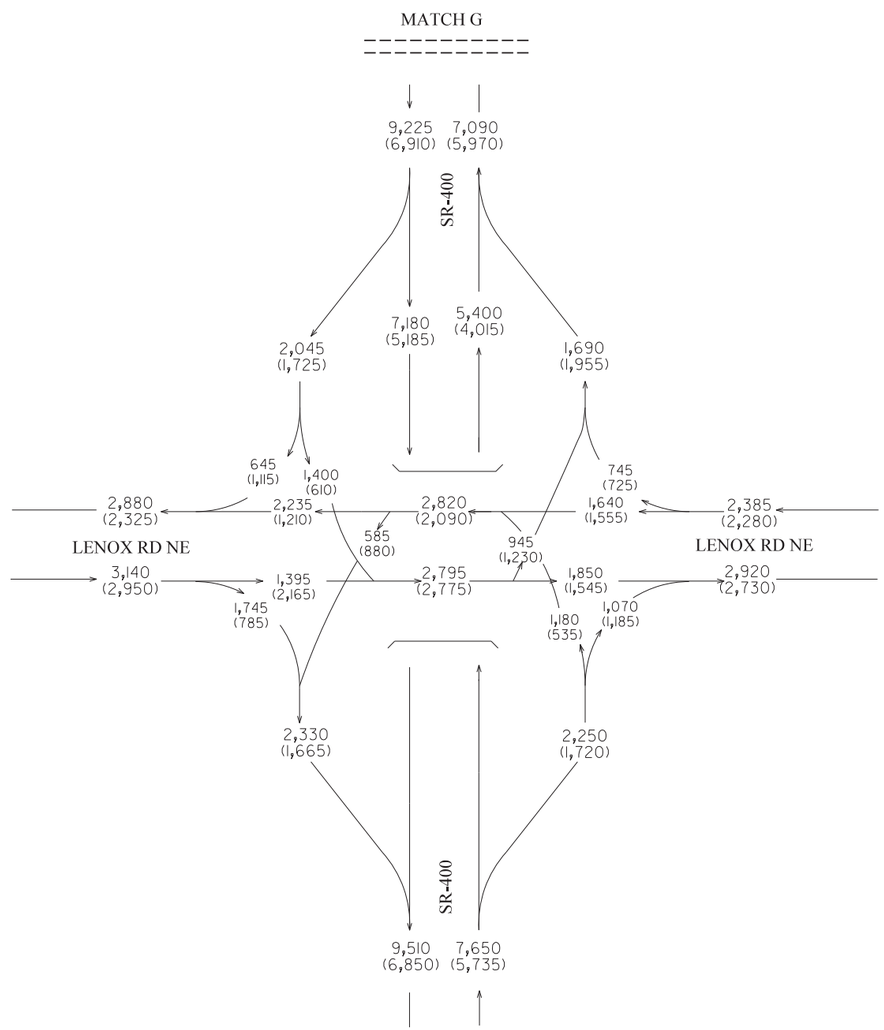
DRAWING No.
10-014

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

DHV TRAFFIC VOLUMES
I-285 YEAR 2039
AM PEAK HOUR = XXX
PM PEAK HOUR = (XXX)

SR-400
PEAK HOUR TRUCK = 2.7%
S.U. = 2.0%
COMB. = 0.7%

N



——→ XXX ——	GENERAL PURPOSE LANES
-·-·-→ XXX -·-·-	MANAGED LANES

I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

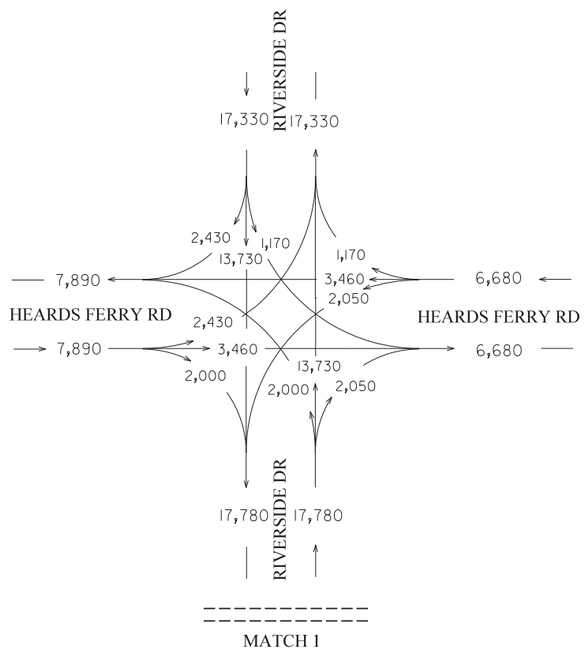
OFFICE OF PLANNING

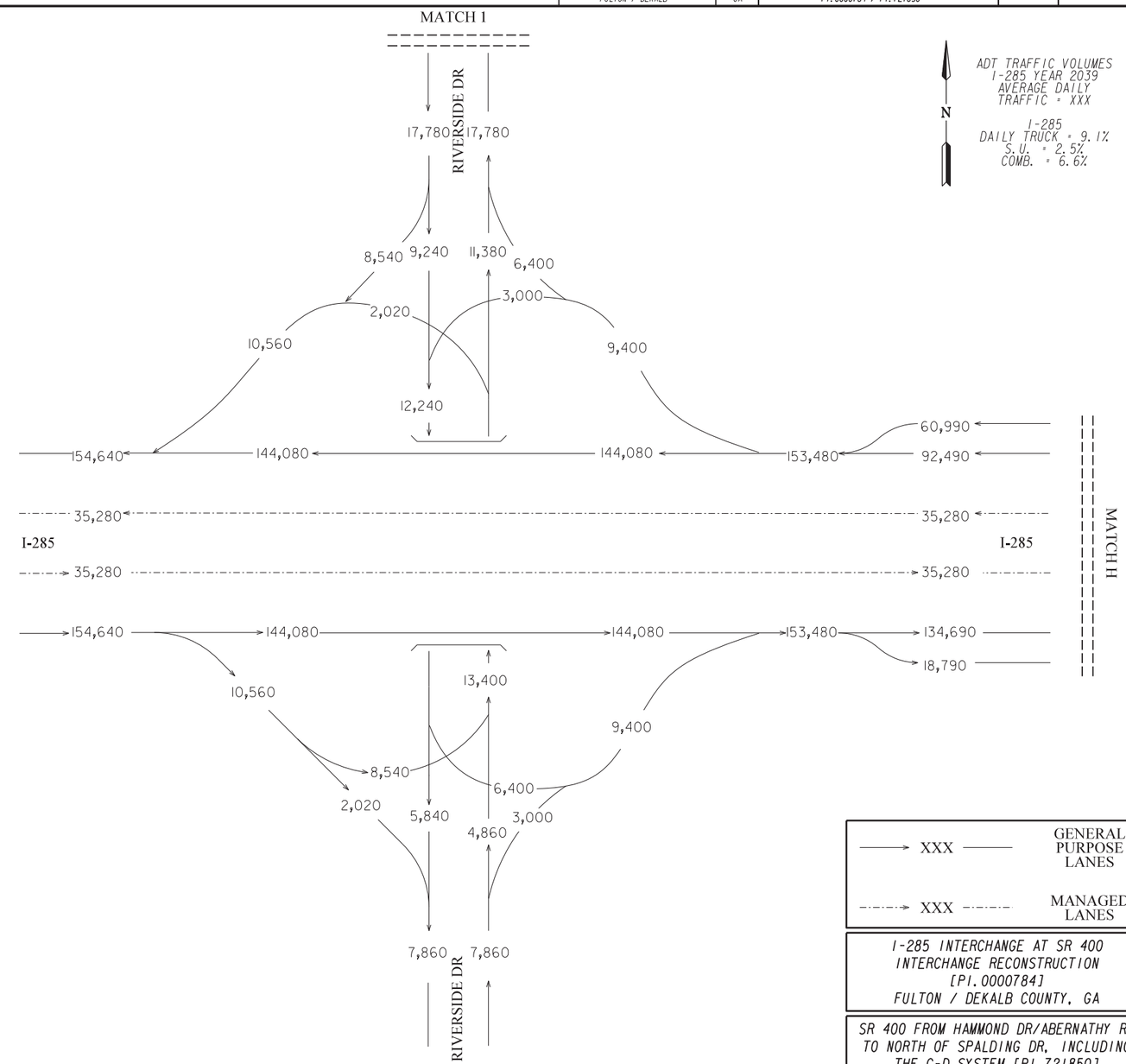
TRAFFIC DIAGRAM
SCENARIO #7

YEAR 2039 DHV BUILD (PI.0000784)
YEAR 2039 DHV BUILD (PI.721850)
SHEET 15 OF 15

DRAWING No.
10-015

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		





ADT TRAFFIC VOLUMES
I-285 YEAR 2039
AVERAGE DAILY
TRAFFIC = XXX

I-285
DAILY TRUCK = 9.1%
S.U. = 2.5%
COMB. = 6.6%

N

→ XXX —	GENERAL PURPOSE LANES
-·-·-→ XXX -·-·-	MANAGED LANES

I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

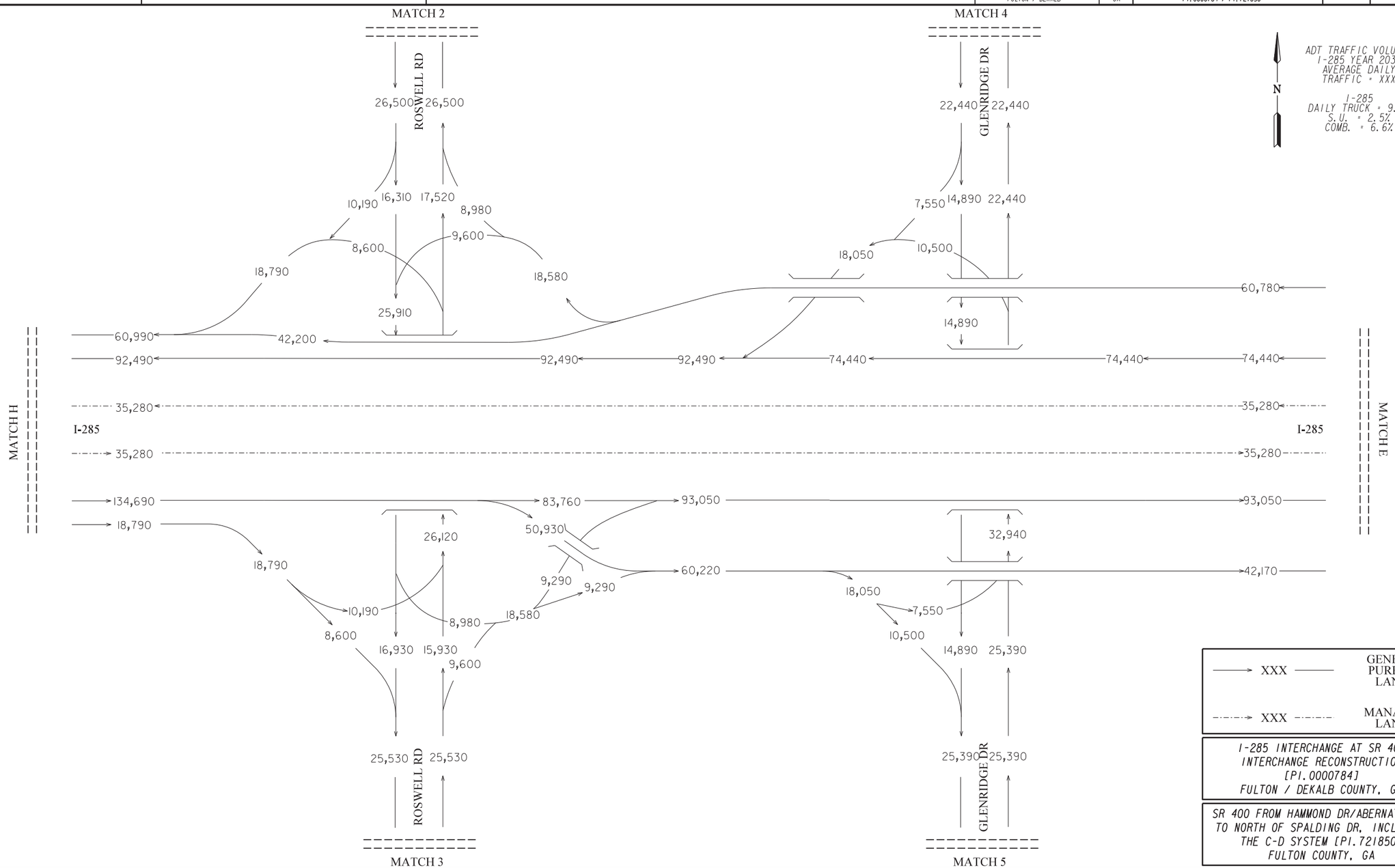
STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #7

YEAR 2039 ADT BUILD (PI.0000784)
YEAR 2039 ADT BUILD (PI.721850)
SHEET 1 OF 15

DRAWING No.
10-001

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		



I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

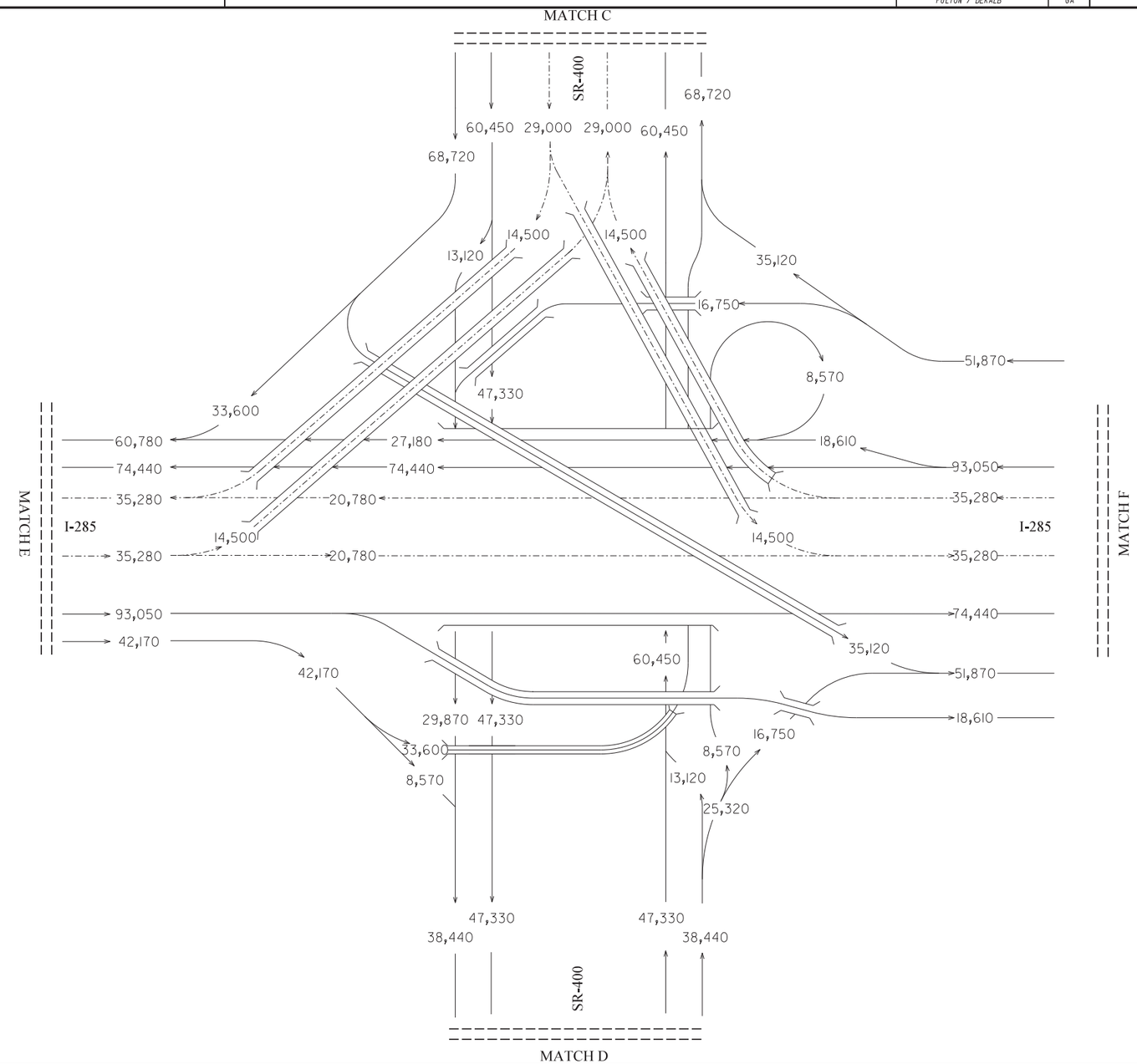
OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #7

YEAR 2039 ADT BUILD (PI.0000784)
YEAR 2039 ADT BUILD (PI.721850)
SHEET 2 OF 15

DRAWING No.
10-002

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		



ADT TRAFFIC VOLUMES
I-285 YEAR 2039
AVERAGE DAILY
TRAFFIC = XXX

I-285
DAILY TRUCK = 9.1%
S.U. = 2.5%
COMB. = 6.6%

N

——→ XXX ——	GENERAL PURPOSE LANES
-·-·-→ XXX -·-·-	MANAGED LANES

I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

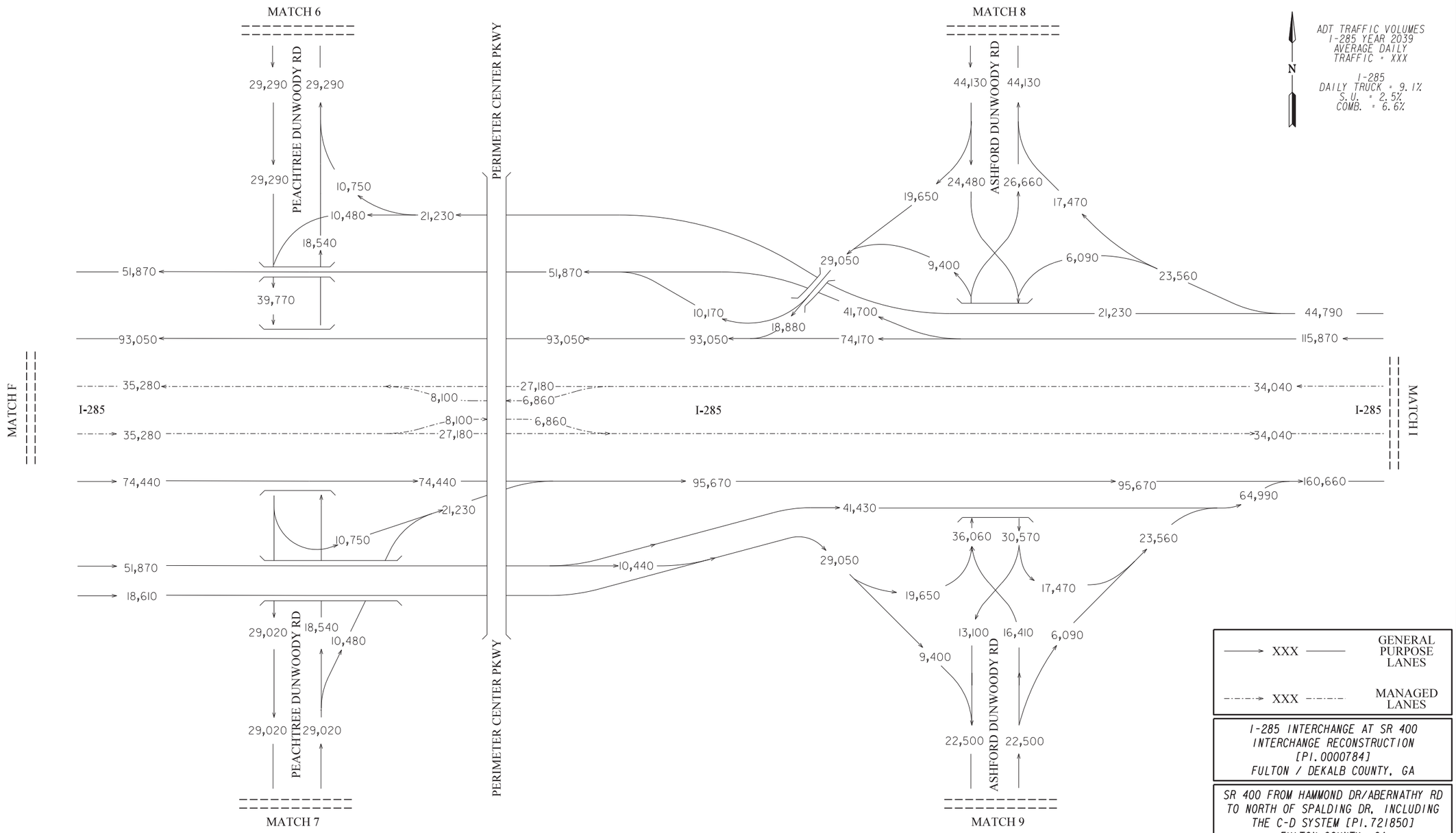
STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO *7

YEAR 2039 ADT BUILD (PI.0000784)
YEAR 2039 ADT BUILD (PI.721850)
SHEET 3 OF 15

DRAWING No.
10-003

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		



I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

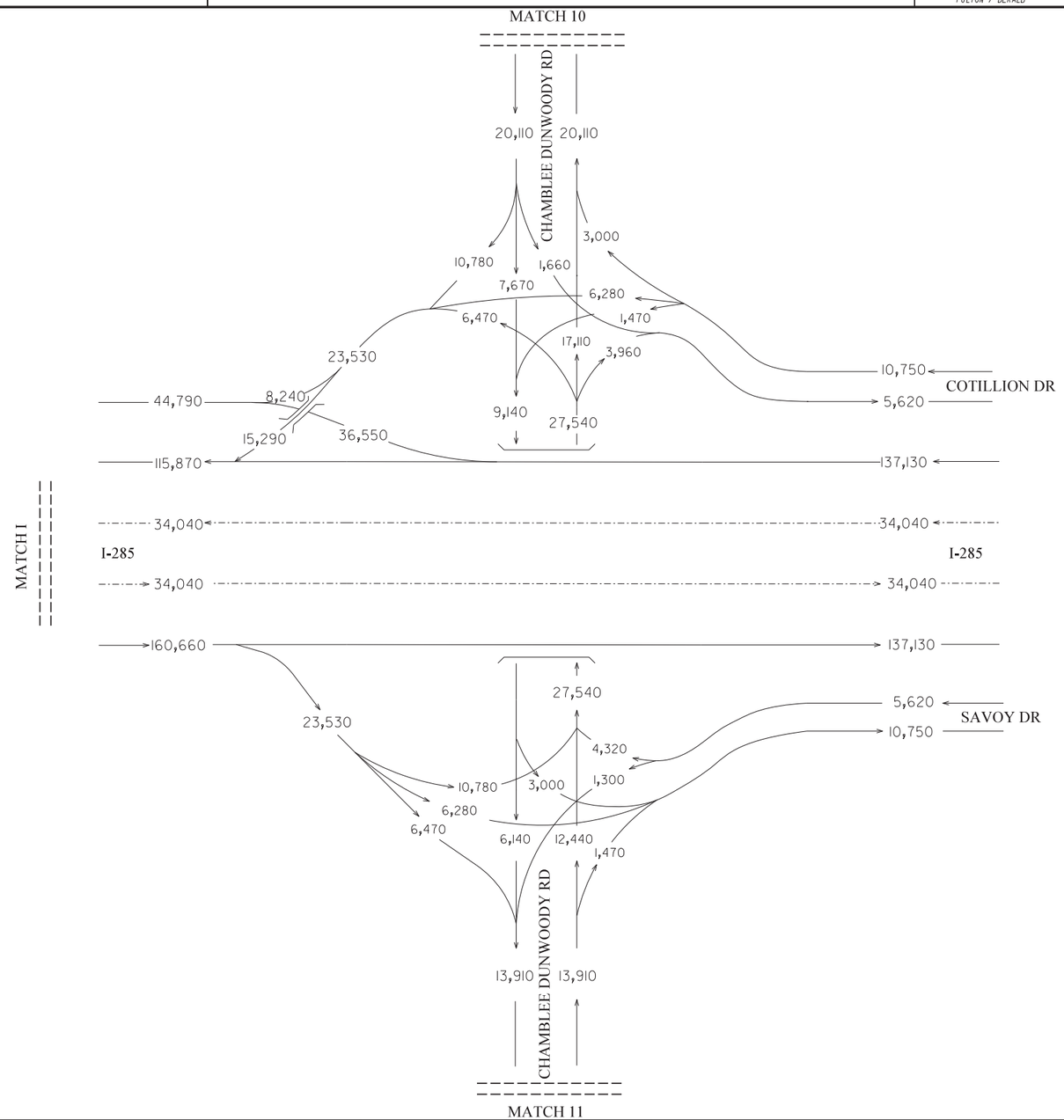
OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #7

YEAR 2039 ADT BUILD (PI.0000784)
YEAR 2039 ADT BUILD (PI.721850)
SHEET 4 OF 15

DRAWING No.
10-004

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		



N

ADT TRAFFIC VOLUMES
I-285 YEAR 2039
AVERAGE DAILY
TRAFFIC = XXX

I-285
DAILY TRUCK = 9.1%
S.U. = 2.5%
COMB. = 6.6%

——→ XXX ——	GENERAL PURPOSE LANES
-·-·-→ XXX -·-·-	MANAGED LANES

I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #7

YEAR 2039 ADT BUILD (PI.0000784)
YEAR 2039 ADT BUILD (PI.721850)
SHEET 5 OF 15

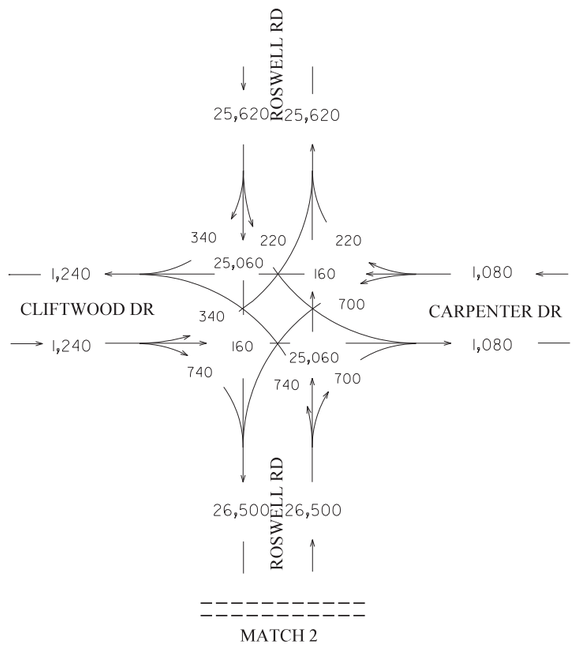
DRAWING No.
10-005

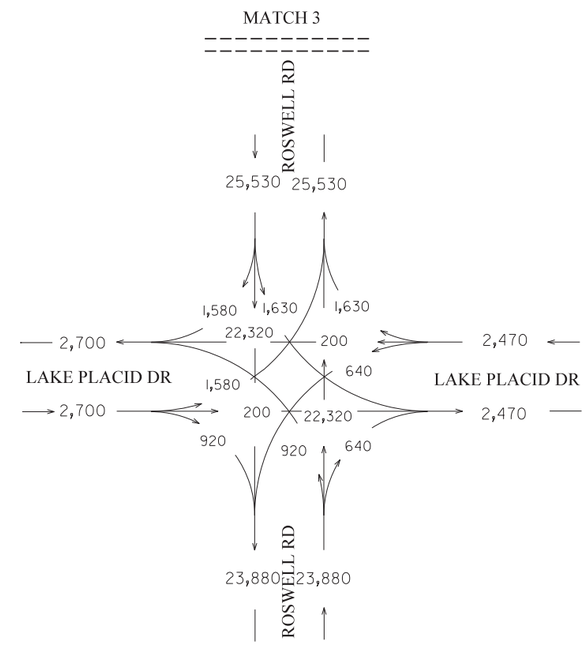
COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

ADT TRAFFIC VOLUMES
I-285 YEAR 2039
AVERAGE DAILY
TRAFFIC = XXX

I-285
DAILY TRUCK = 9.1%
S.U. = 2.5%
COMB. = 6.6%

N





→ XXX ———	GENERAL PURPOSE LANES
-·-·-→ XXX -·-·-	MANAGED LANES

I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #7

YEAR 2039 ADT BUILD (PI.0000784)
YEAR 2039 ADT BUILD (PI.721850)
SHEET 6 OF 15

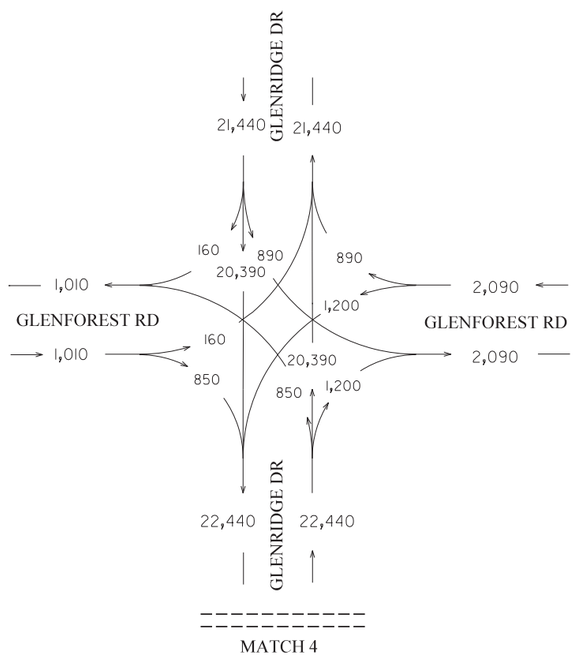
DRAWING No.
10-006

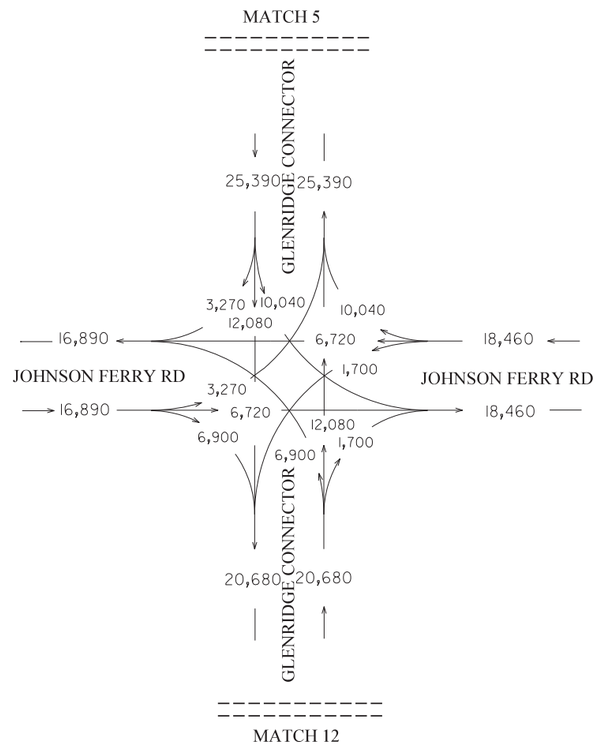
COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

ADT TRAFFIC VOLUMES
I-285 YEAR 2039
AVERAGE DAILY
TRAFFIC = XXX

I-285
DAILY TRUCK = 9.1%
S.U. = 2.5%
COMB. = 6.6%

N





——→ XXX ——	GENERAL PURPOSE LANES
-·-·-→ XXX -·-·-	MANAGED LANES

I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #7

YEAR 2039 ADT BUILD (PI.0000784)
YEAR 2039 ADT BUILD (PI.721850)
SHEET 7 OF 15

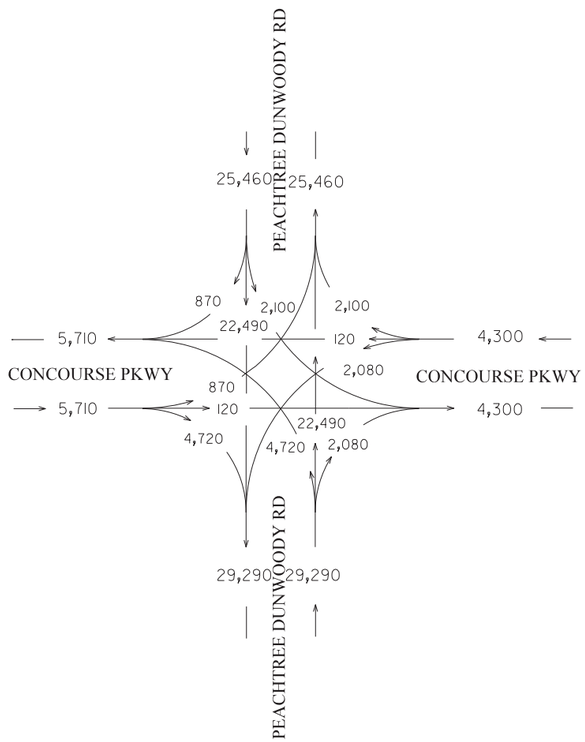
DRAWING No.
10-007

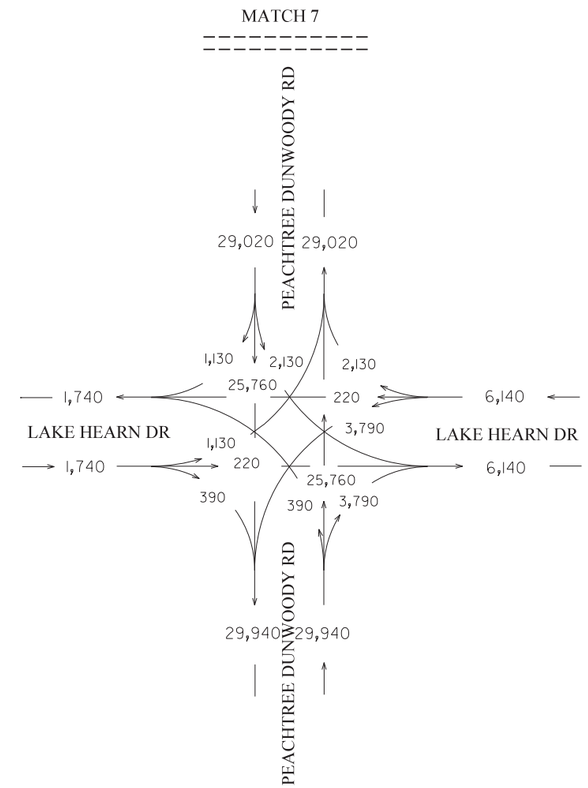
COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

N

ADT TRAFFIC VOLUMES
I-285 YEAR 2039
AVERAGE DAILY
TRAFFIC = XXX

I-285
DAILY TRUCK = 9.1%
S.U. = 2.5%
COMB. = 6.6%





——→ XXX ———	GENERAL PURPOSE LANES
-·-·-→ XXX -·-·-	MANAGED LANES

I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #7

YEAR 2039 ADT BUILD (PI.0000784)
YEAR 2039 ADT BUILD (PI.721850)
SHEET 8 OF 15

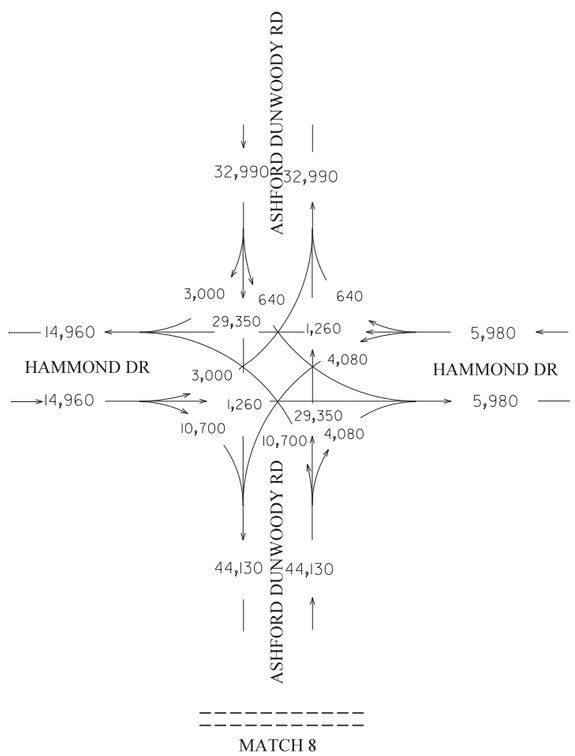
DRAWING No.
10-008

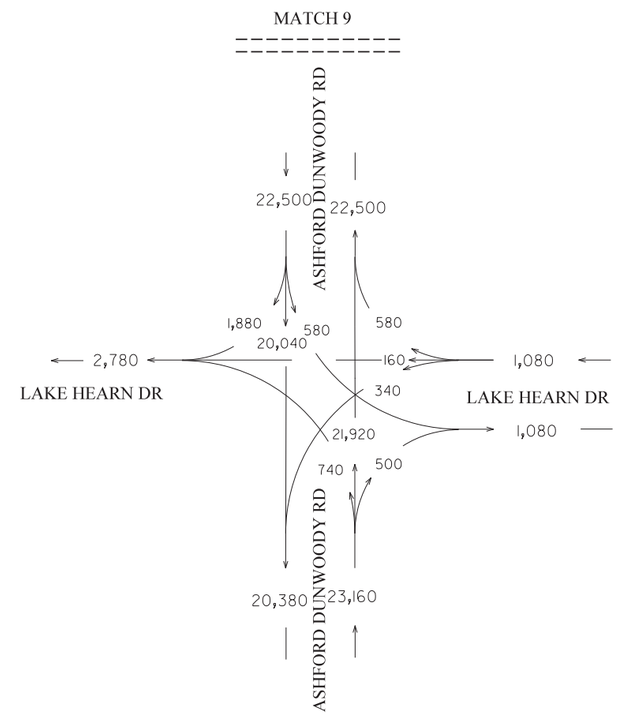
COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

N

ADT TRAFFIC VOLUMES
I-285 YEAR 2039
AVERAGE DAILY
TRAFFIC = XXX

I-285
DAILY TRUCK = 9.1%
S.U. = 2.5%
COMB. = 6.6%





——→ XXX ———	GENERAL PURPOSE LANES
-·-·-→ XXX -·-·-	MANAGED LANES

I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #7

YEAR 2039 ADT BUILD (PI.0000784)
YEAR 2039 ADT BUILD (PI.721850)
SHEET 9 OF 15

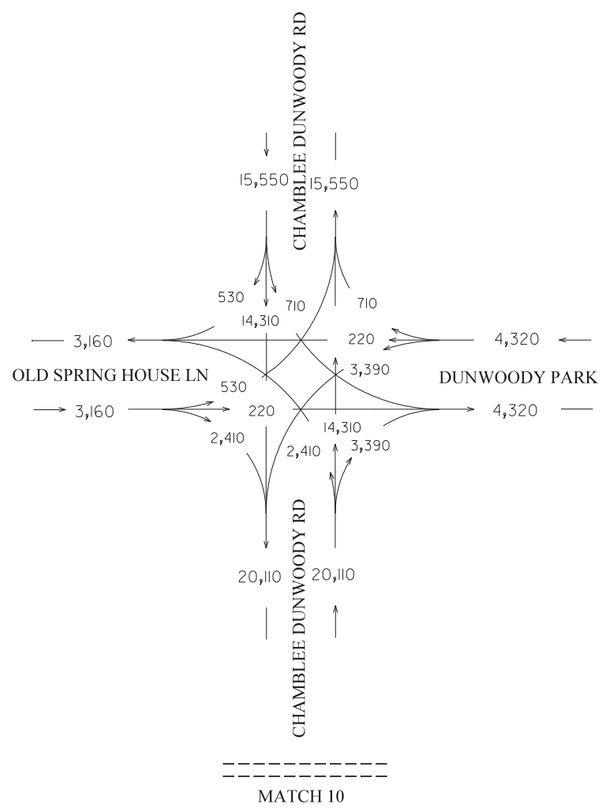
DRAWING No.
10-009

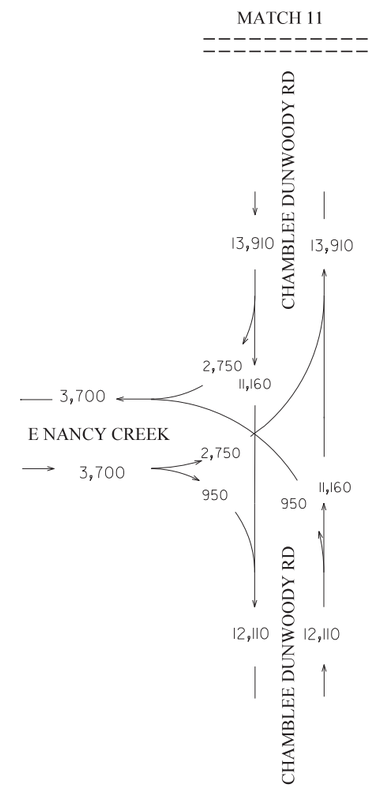
COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

N

ADT TRAFFIC VOLUMES
I-285 YEAR 2039
AVERAGE DAILY
TRAFFIC = XXX

I-285
DAILY TRUCK = 9.1%
S.U. = 2.5%
COMB. = 6.6%





——→ XXX ——	GENERAL PURPOSE LANES
-·-·-→ XXX -·-·-	MANAGED LANES

I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

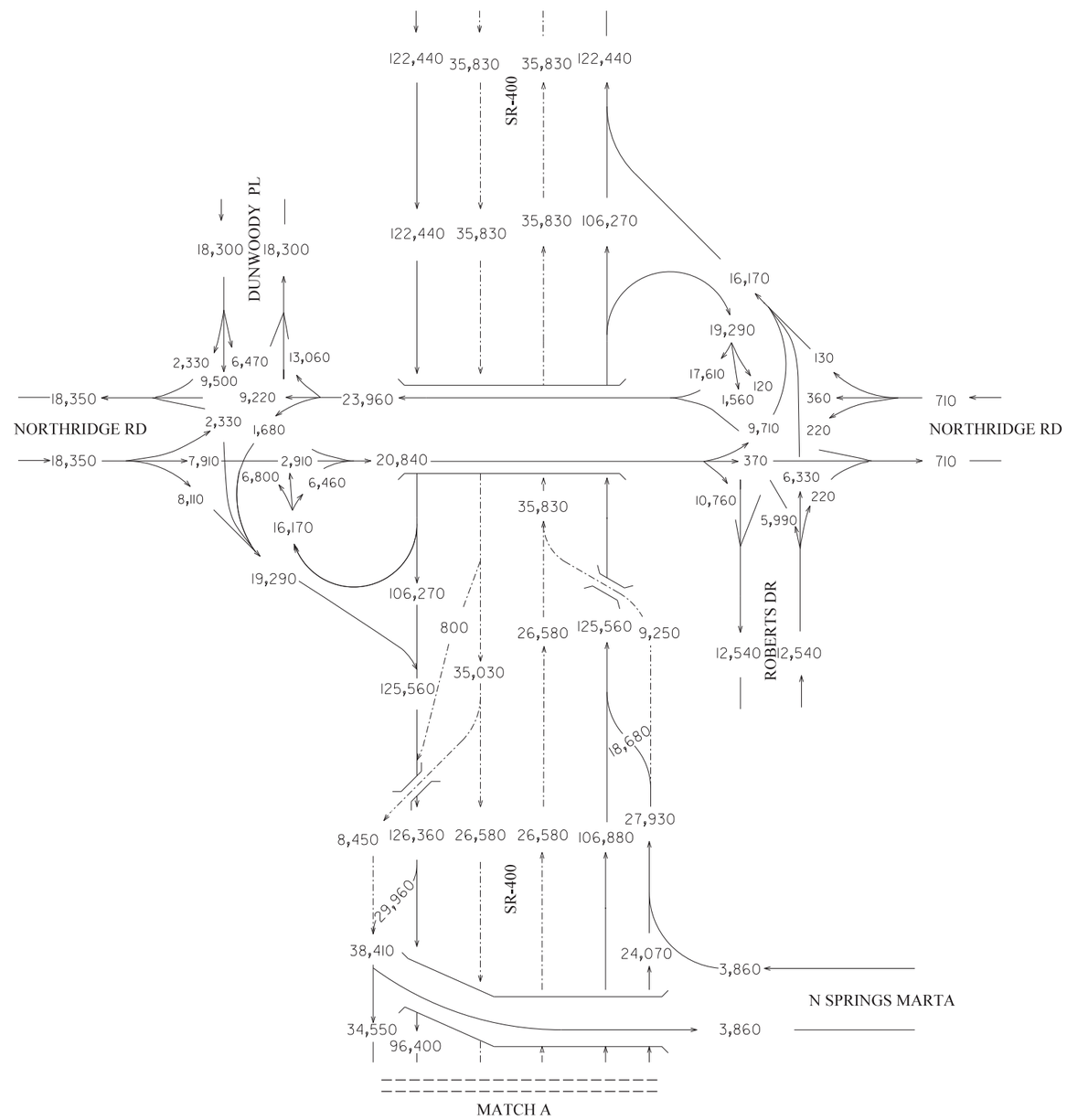
STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #7

YEAR 2039 ADT BUILD (PI.0000784)
YEAR 2039 ADT BUILD (PI.721850)
SHEET 10 OF 15

DRAWING No.
10-010

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		



N

ADT TRAFFIC VOLUMES
I-285 YEAR 2039
AVERAGE DAILY
TRAFFIC = XXX

SR-400
DAILY TRUCK = 3.7%
S.U. = 2.5%
COMB. = 1.2%

——→ XXX ——	GENERAL PURPOSE LANES
-·-·-→ XXX -·-·-	MANAGED LANES

I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

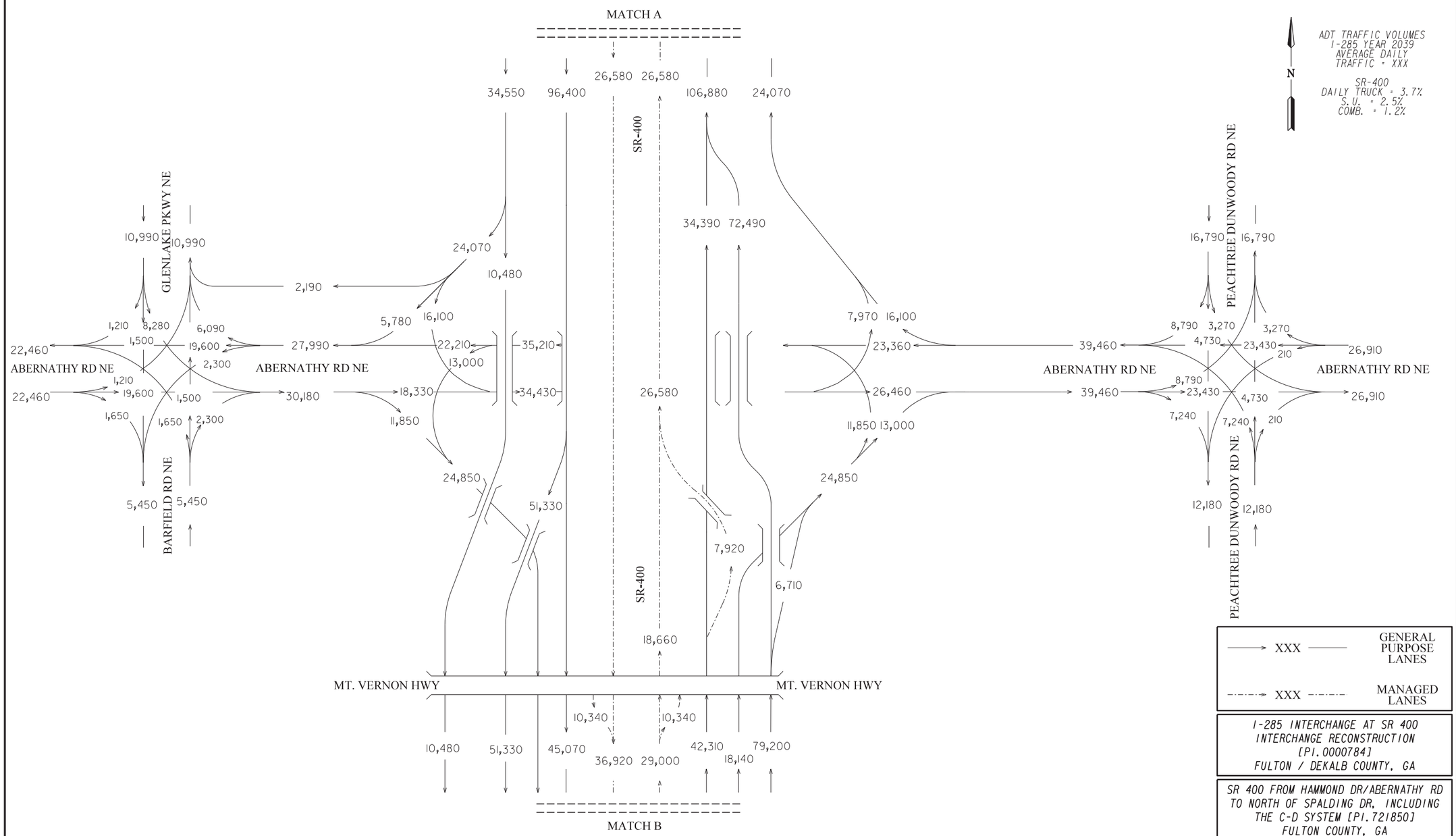
OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #7

YEAR 2039 ADT BUILD (PI.0000784)
YEAR 2039 ADT BUILD (PI.721850)
SHEET 11 OF 15

DRAWING No.
10-011

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		



I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

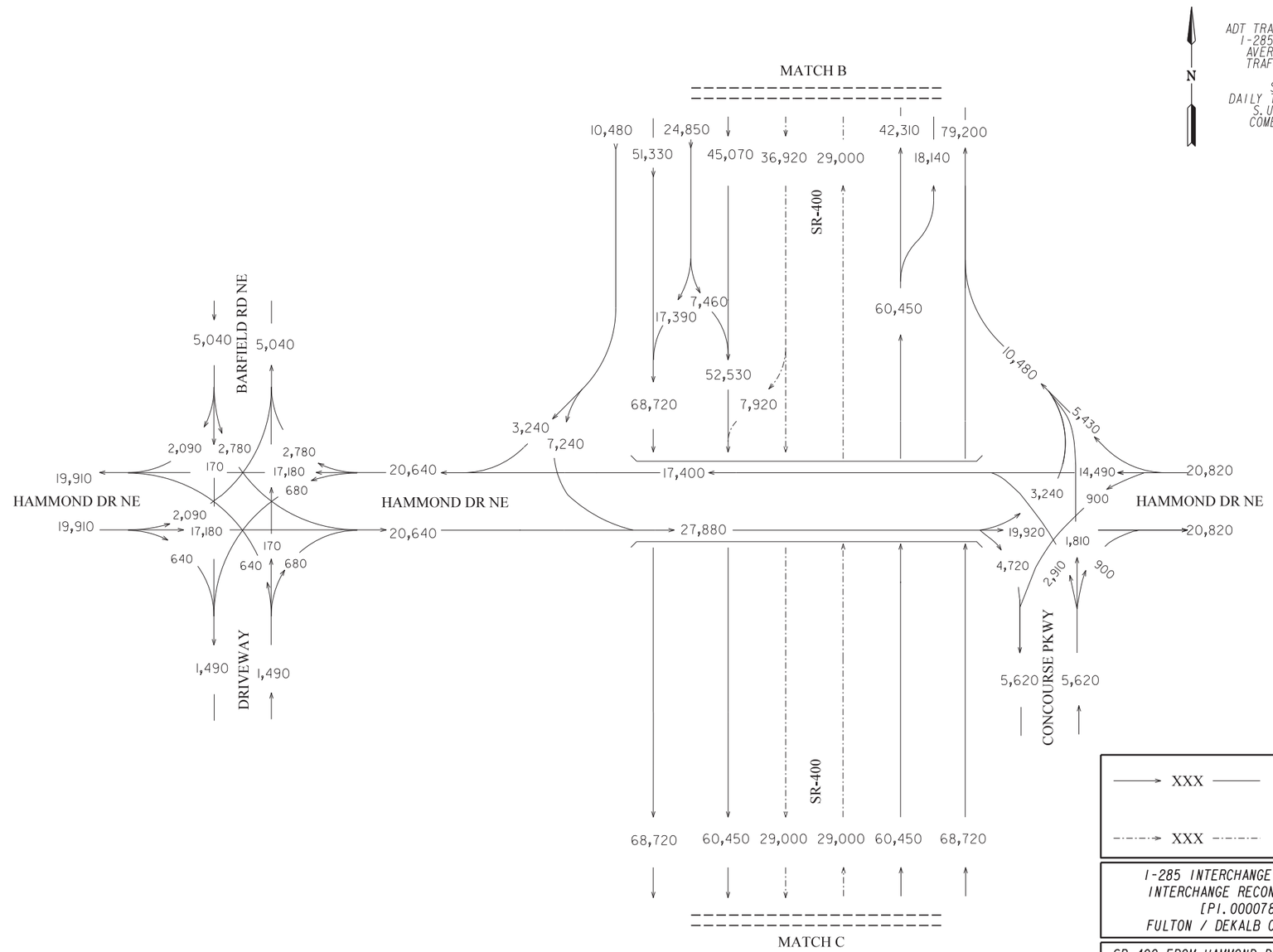
OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #7

YEAR 2039 ADT BUILD (PI.0000784)
YEAR 2039 ADT BUILD (PI.721850)
SHEET 12 OF 15

DRAWING No.
10-012

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		



I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #7

YEAR 2039 ADT BUILD (PI.0000784)
YEAR 2039 ADT BUILD (PI.721850)
SHEET 13 OF 15

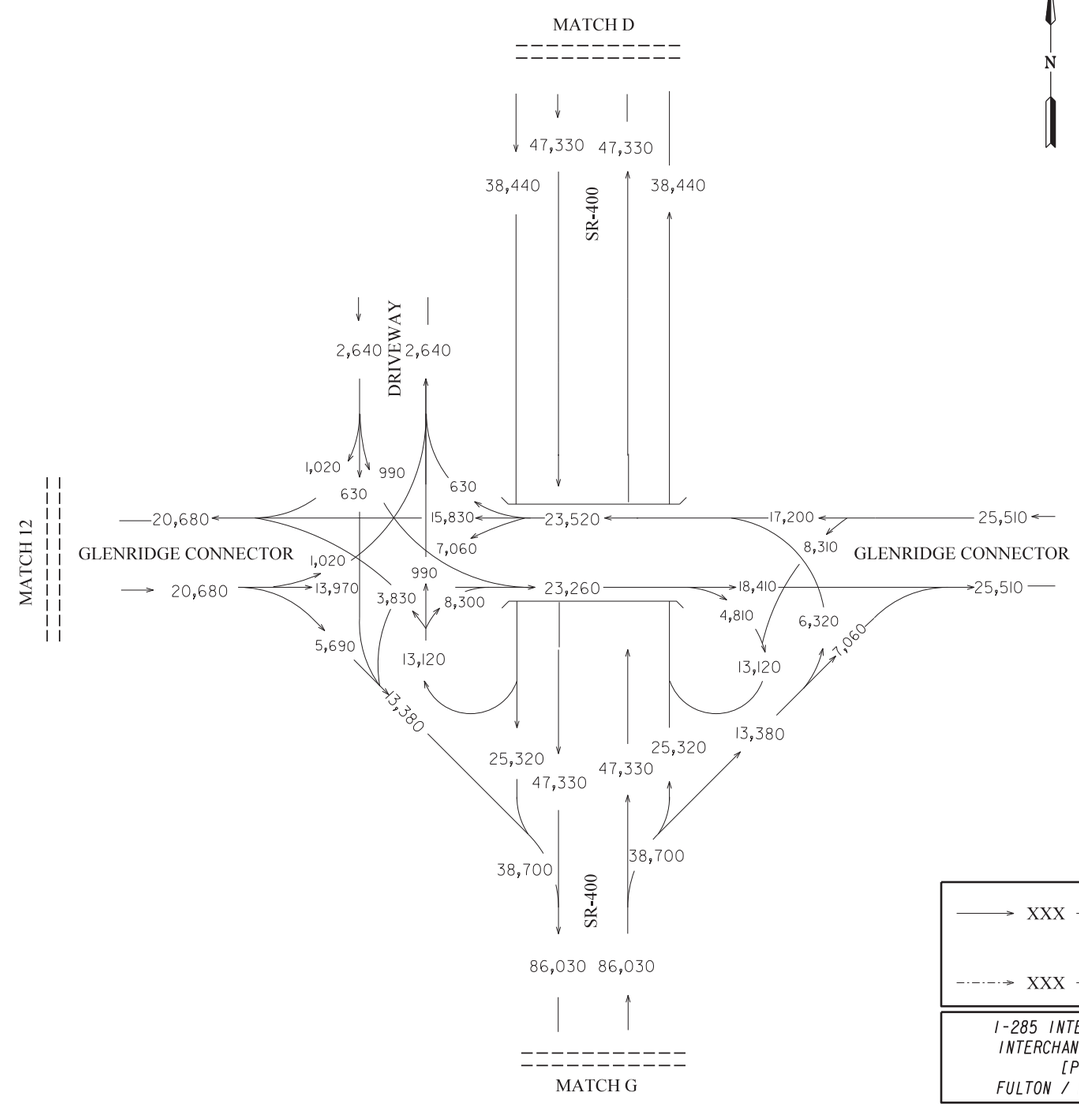
DRAWING No.
10-013

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

ADT TRAFFIC VOLUMES
I-285 YEAR 2039
AVERAGE DAILY
TRAFFIC = XXX

SR-400
DAILY TRUCK = 3.7%
S.U. = 2.5%
COMB. = 1.2%

N



→ XXX ——	GENERAL PURPOSE LANES
-·-·-→ XXX -·-·-	MANAGED LANES

I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #7

YEAR 2039 ADT BUILD (PI.0000784)
YEAR 2039 ADT BUILD (PI.721850)
SHEET 14 OF 15

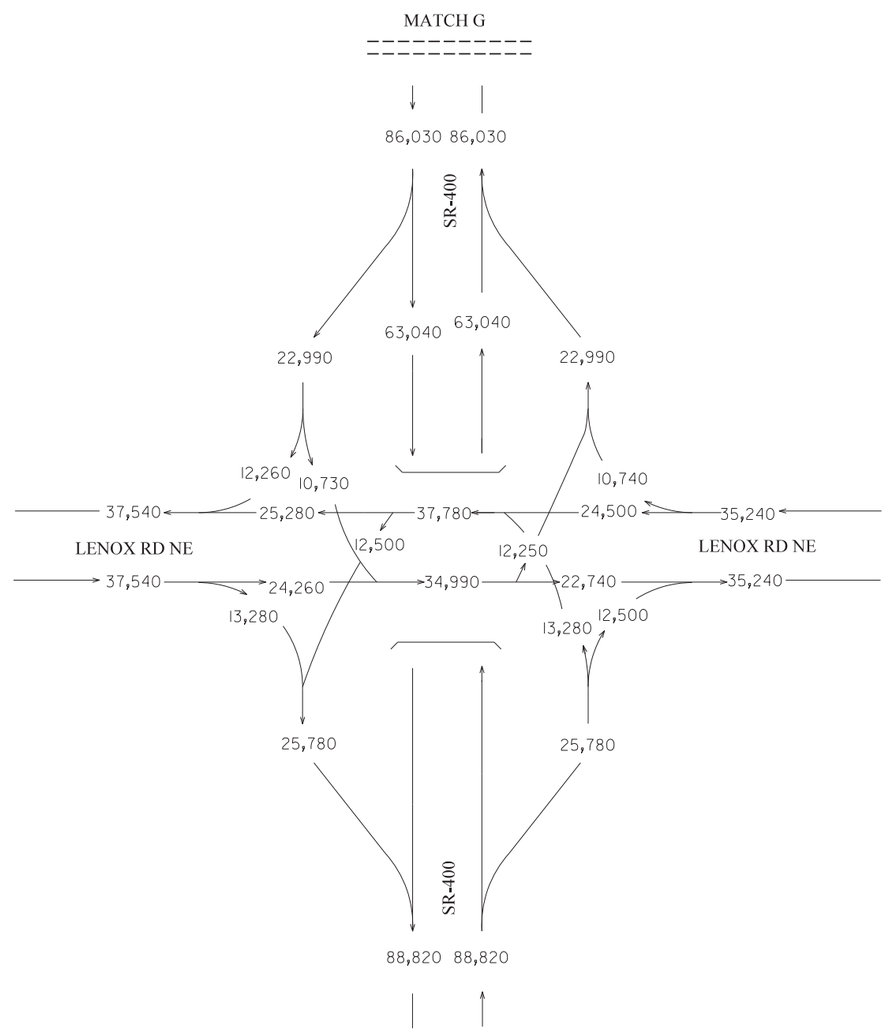
DRAWING No.
10-014

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

ADT TRAFFIC VOLUMES
I-285 YEAR 2039
AVERAGE DAILY
TRAFFIC = XXX

SR-400
DAILY TRUCK = 3.7%
S.U. = 2.5%
COMB. = 1.2%

N



——→ XXX ——	GENERAL PURPOSE LANES
-·-·-→ XXX -·-·-	MANAGED LANES

I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

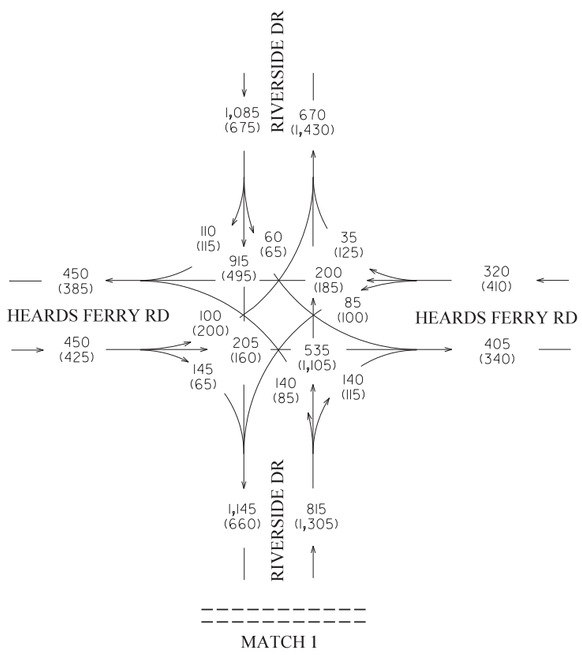
OFFICE OF PLANNING

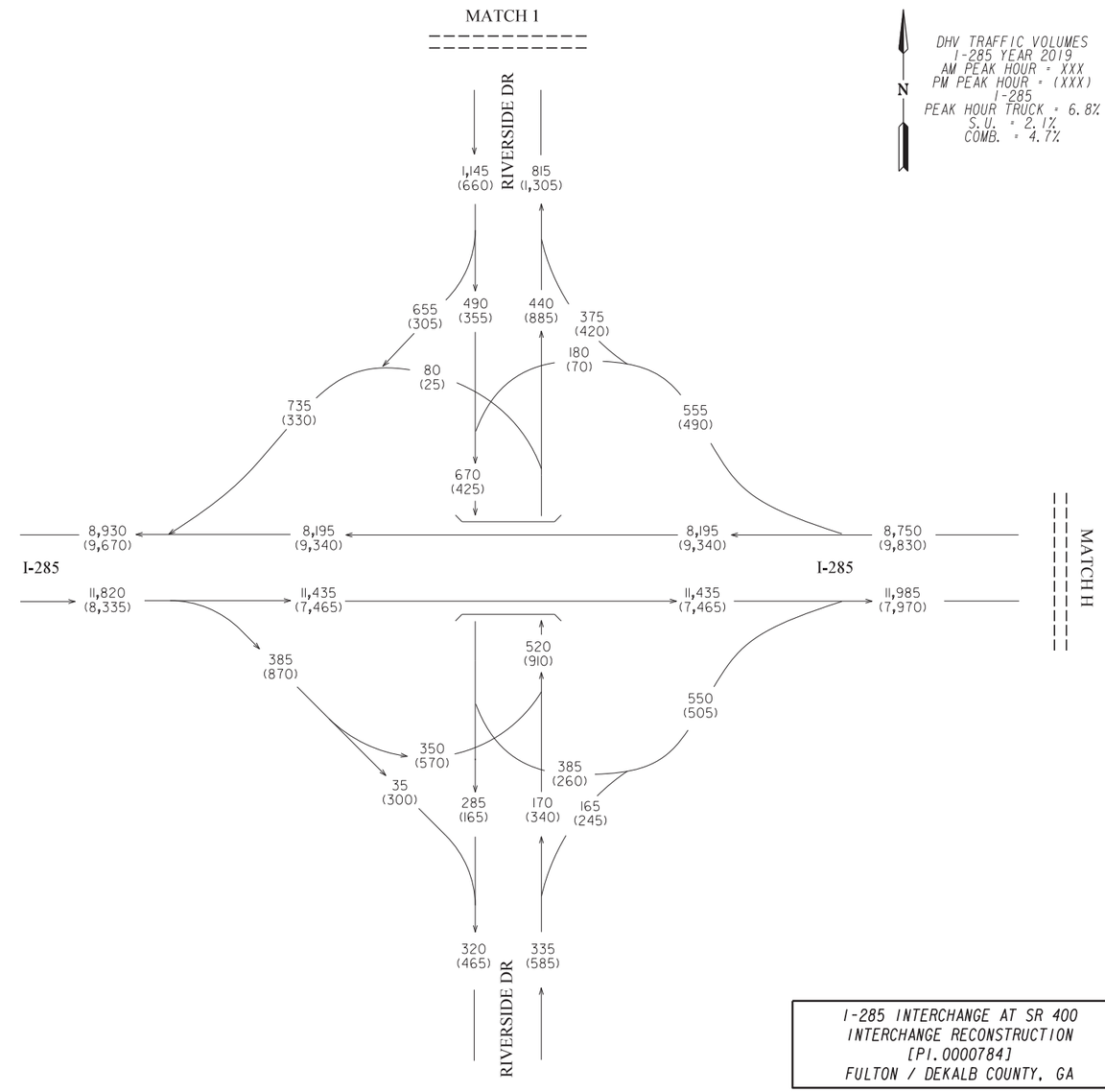
TRAFFIC DIAGRAM
SCENARIO #7

YEAR 2039 ADT BUILD (PI.0000784)
YEAR 2039 ADT BUILD (PI.721850)
SHEET 15 OF 15

DRAWING No.
10-015

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		





N

DHV TRAFFIC VOLUMES
I-285 YEAR 2019
AM PEAK HOUR = XXX
PM PEAK HOUR = (XXX)
I-285
PEAK HOUR TRUCK = 6.8%
S.U. = 2.1%
COMB. = 4.7%

I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

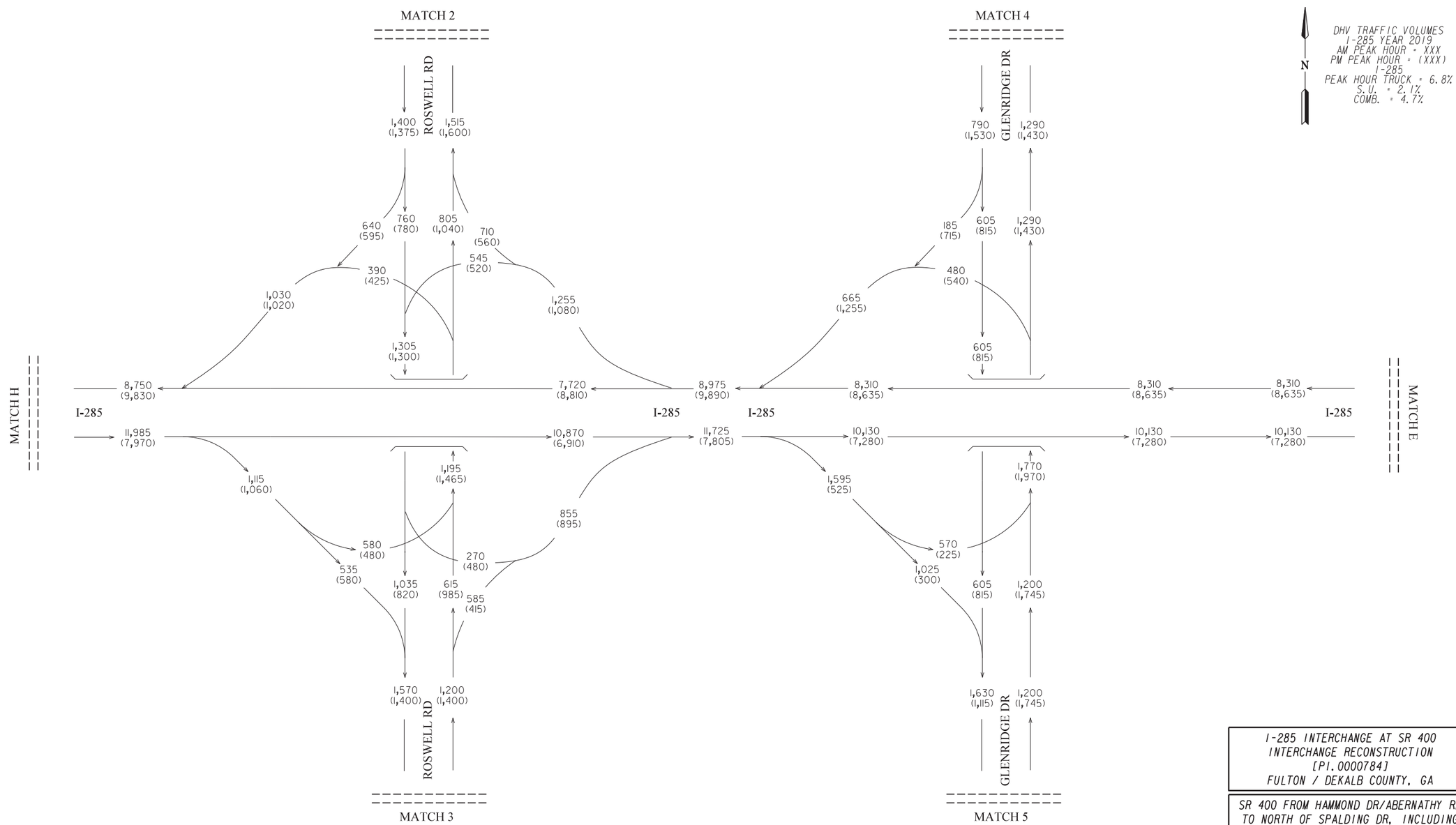
OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #3

YEAR 2019 DHV BUILD (PI.721850)
YEAR 2019 DHV NO-BUILD (PI.0000784)
SHEET 1 OF 15

DRAWING No.
10-001

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		



I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

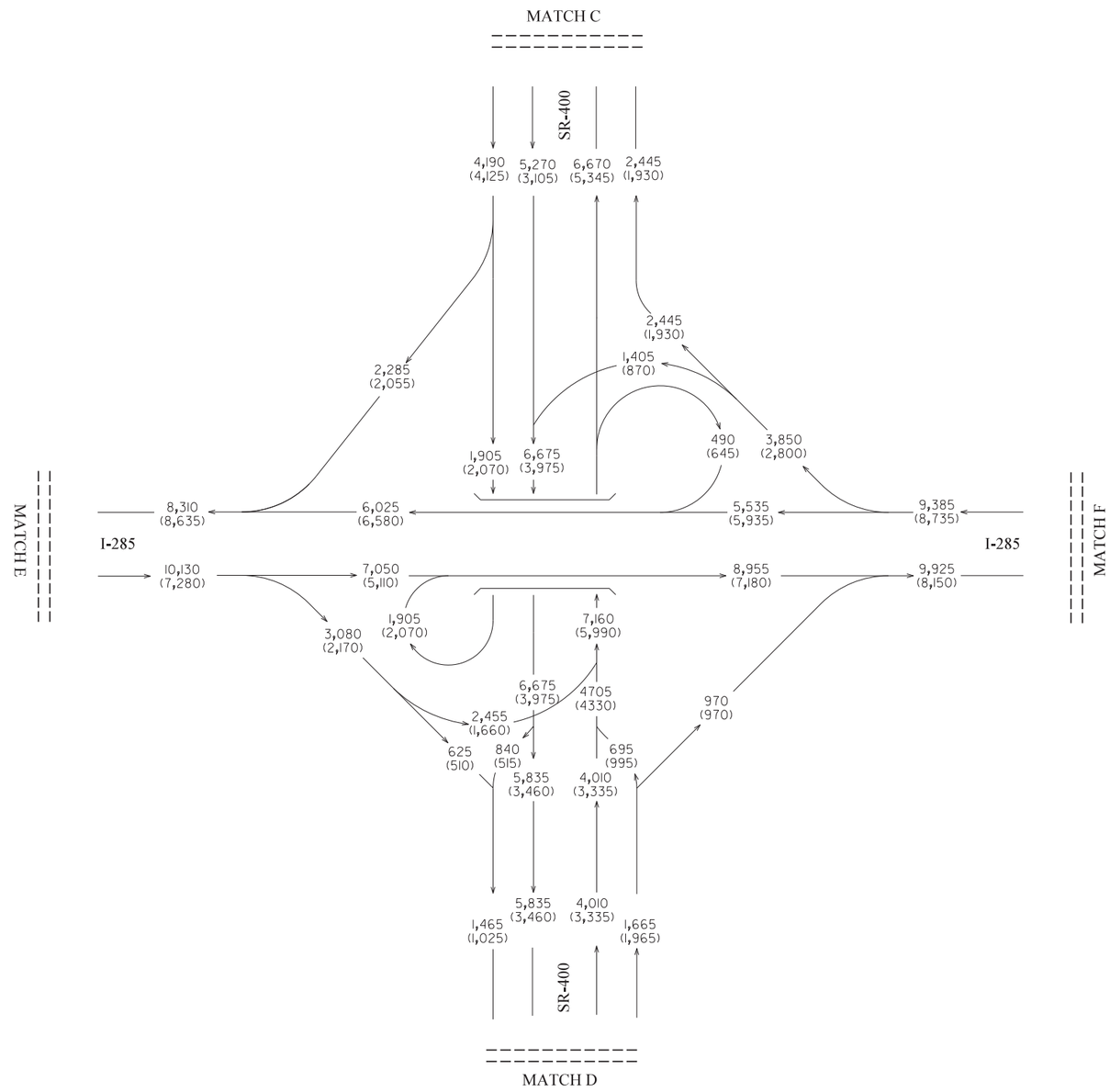
OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #3

YEAR 2019 DHV BUILD (PI.721850)
YEAR 2019 DHV NO-BUILD (PI.0000784)
SHEET 2 OF 15

DRAWING No.
10-002

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		



N

DHV TRAFFIC VOLUMES
I-285 YEAR 2019
AM PEAK HOUR = XXX
PM PEAK HOUR = (XXX)
I-285
PEAK HOUR TRUCK = 6.8%
S.U. = 2.1%
COMB. = 4.7%

I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

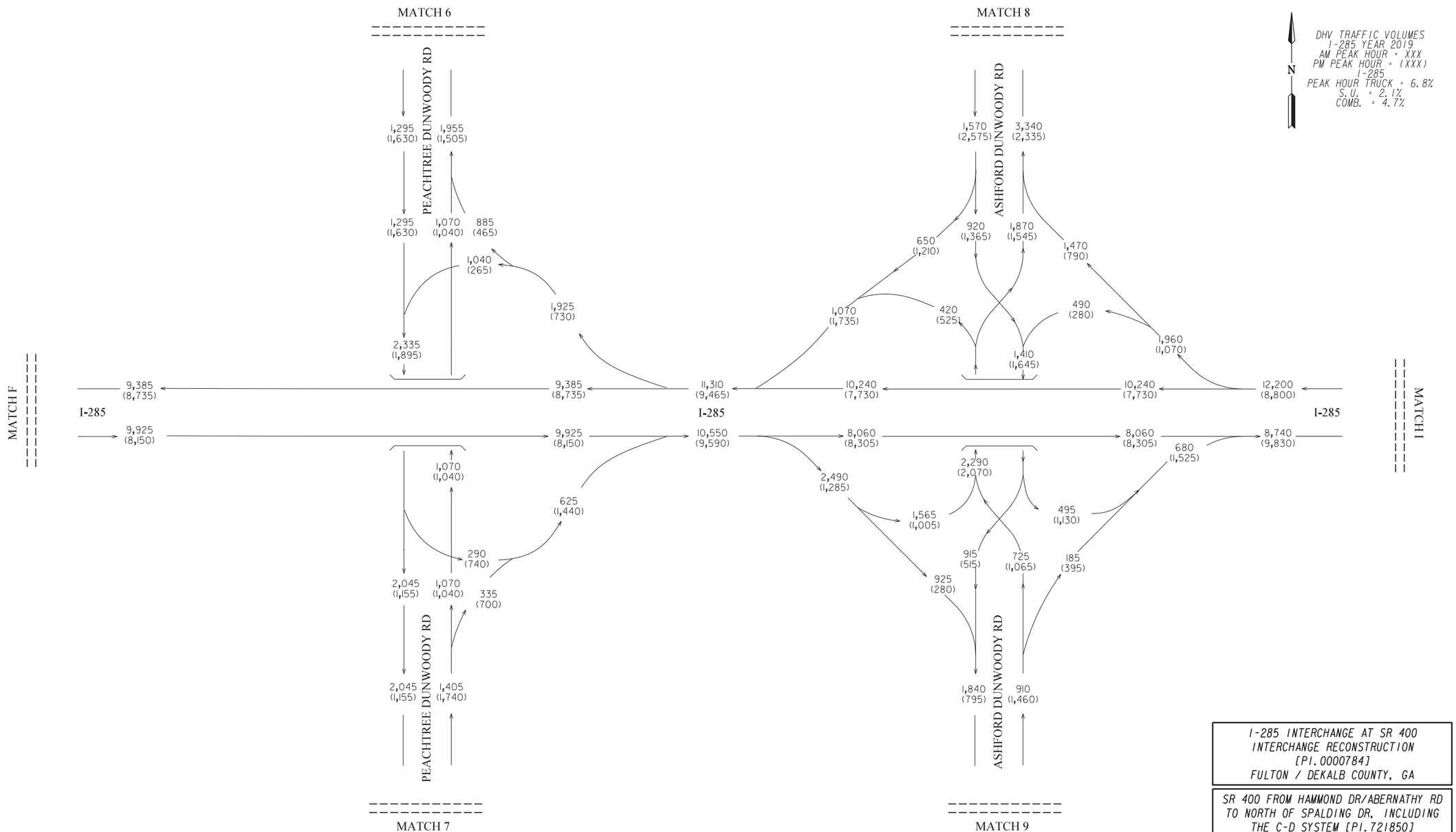
OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #3

YEAR 2019 DHV BUILD (PI.721850)
YEAR 2019 DHV NO-BUILD (PI.0000784)
SHEET 3 OF 15

DRAWING No.
10-003

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		



I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

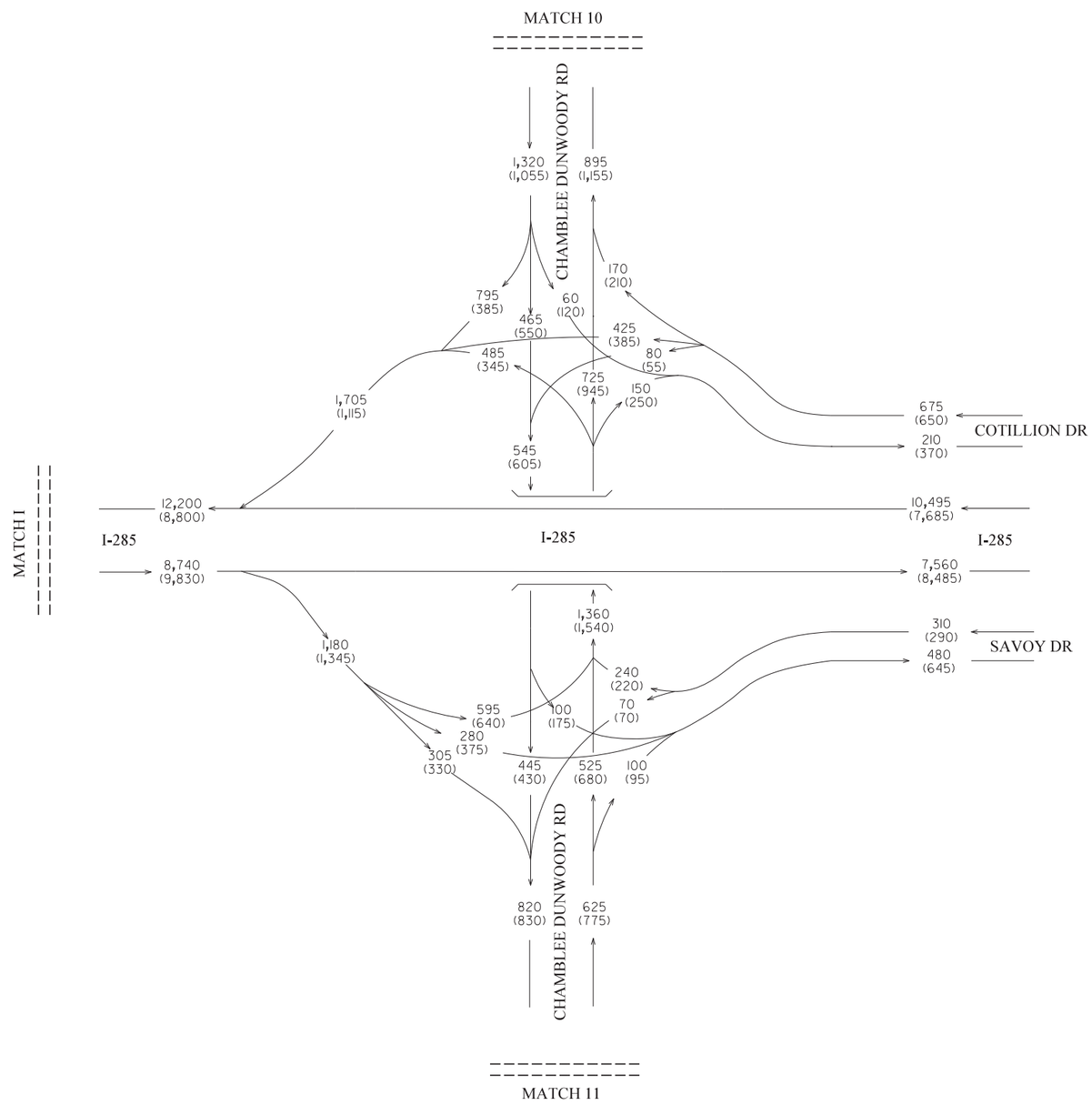
ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE OF PLANNING
TRAFFIC DIAGRAM
SCENARIO #3
YEAR 2019 DHV BUILD (PI.721850)
YEAR 2019 DHV NO-BUILD (PI.0000784)
SHEET 4 OF 15

DRAWING No.
10-004

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		



N

DHV TRAFFIC VOLUMES
I-285 YEAR 2019
AM PEAK HOUR = XXX
PM PEAK HOUR = (XXX)
I-285
PEAK HOUR TRUCK = 6.8%
S.U. = 2.1%
COMB. = 4.7%

I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO *3

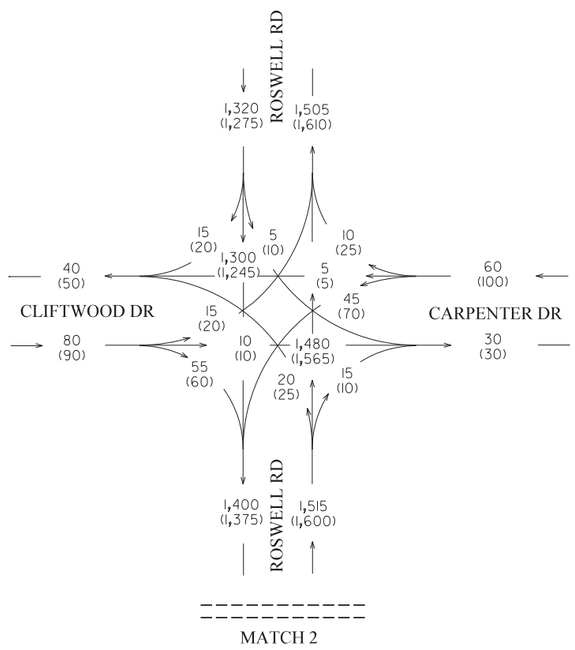
YEAR 2019 DHV BUILD (PI.721850)
YEAR 2019 DHV NO-BUILD (PI.0000784)
SHEET 5 OF 15

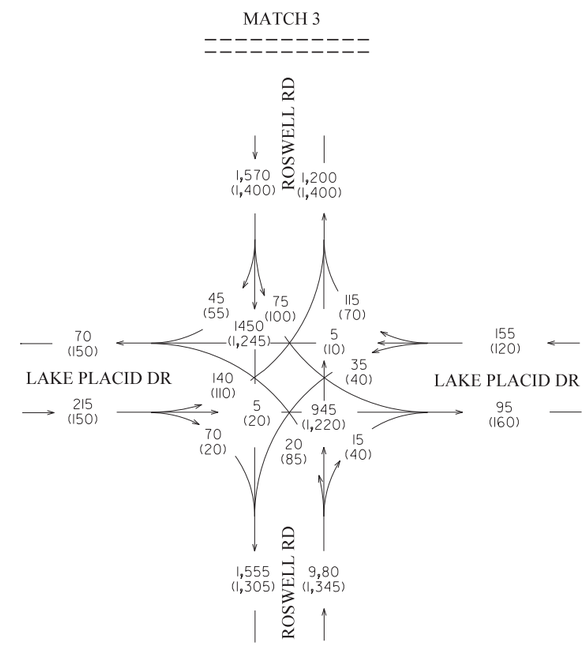
DRAWING No.
10-005

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

N

DHV TRAFFIC VOLUMES
I-285 YEAR 2019
AM PEAK HOUR = XXX
PM PEAK HOUR = (XXX)
I-285
PEAK HOUR TRUCK = 6.8%
S.U. = 2.1%
COMB. = 4.7%





I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #3

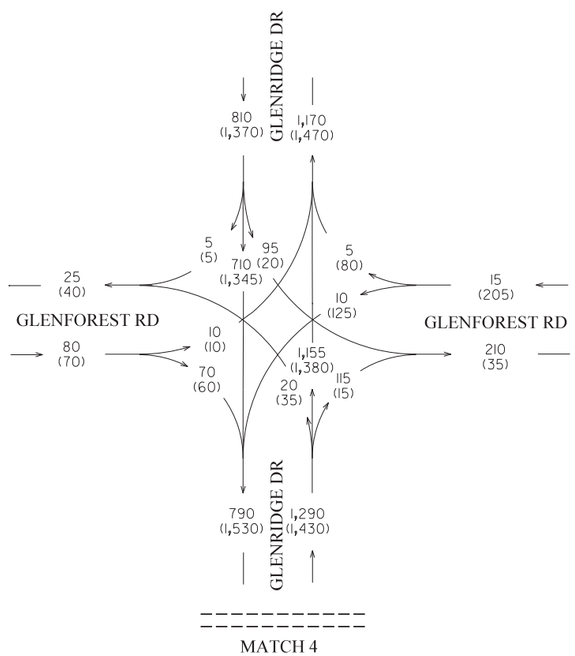
YEAR 2019 DHV BUILD (PI.721850)
YEAR 2019 DHV NO-BUILD (PI.0000784)
SHEET 6 OF 15

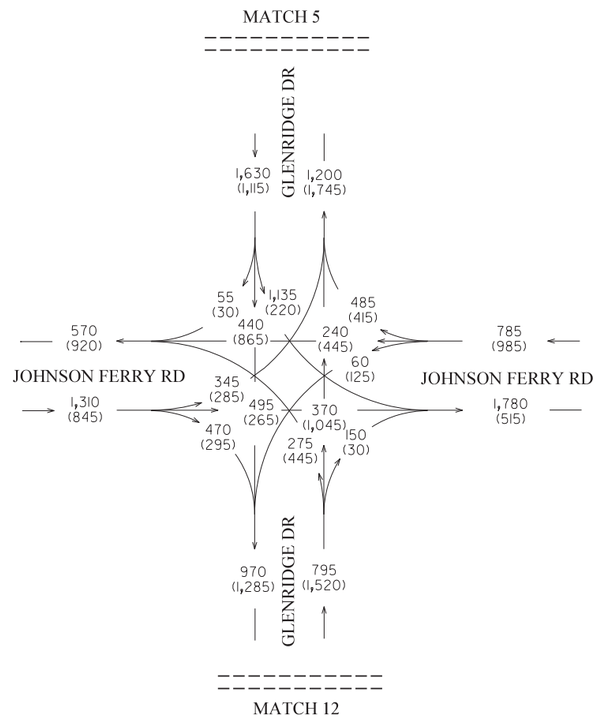
DRAWING No.
10-006

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

N

DHV TRAFFIC VOLUMES
I-285 YEAR 2019
AM PEAK HOUR = XXX
PM PEAK HOUR = (XXX)
I-285
PEAK HOUR TRUCK = 6.8%
S.U. = 2.1%
COMB. = 4.7%





I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #3

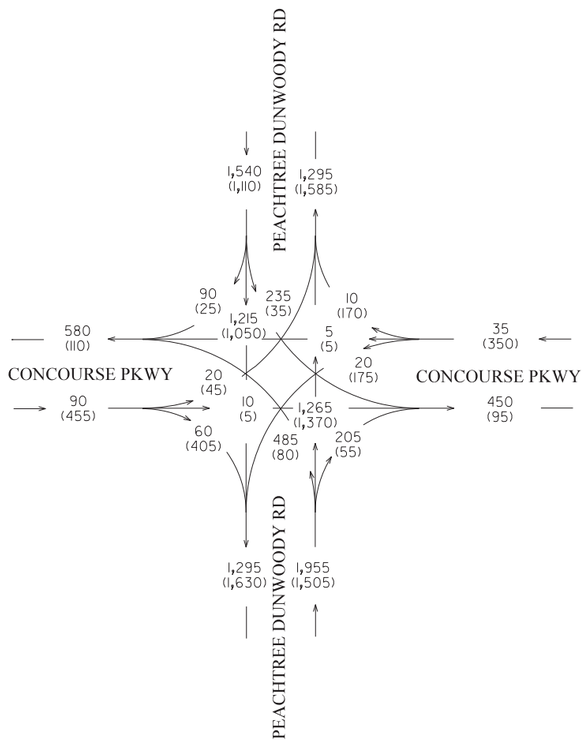
YEAR 2019 DHV BUILD (PI.721850)
YEAR 2019 DHV NO-BUILD (PI.0000784)
SHEET 7 OF 15

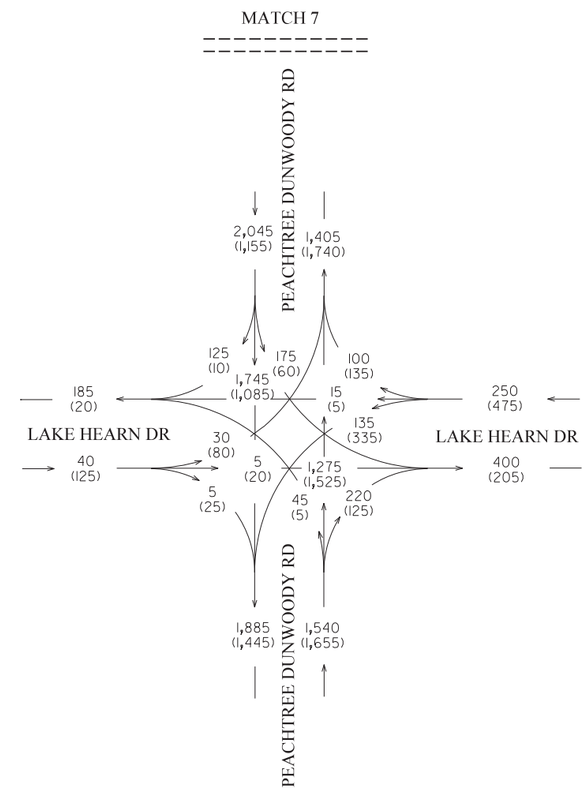
DRAWING No.
10-007

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

N

DHV TRAFFIC VOLUMES
I-285 YEAR 2019
AM PEAK HOUR = XXX
PM PEAK HOUR = (XXX)
I-285
PEAK HOUR TRUCK = 6.8%
S.U. = 2.1%
COMB. = 4.7%





I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #3

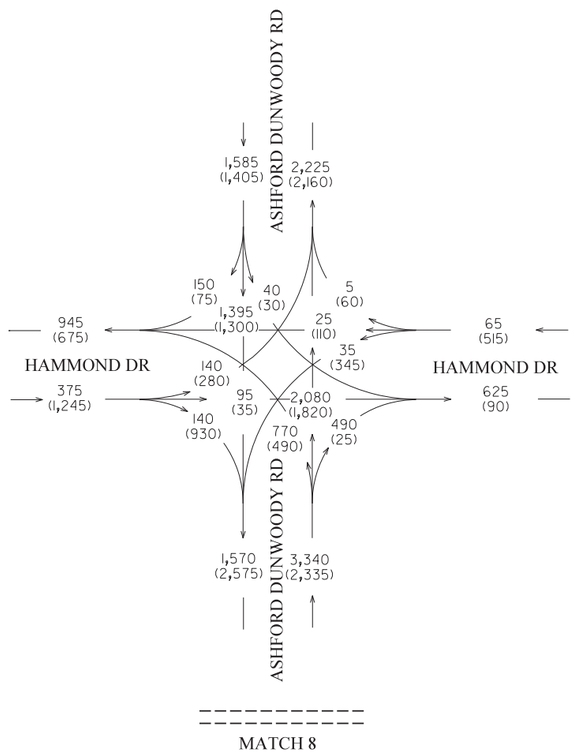
YEAR 2019 DHV BUILD (PI.721850)
YEAR 2019 DHV NO-BUILD (PI.0000784)
SHEET 8 OF 15

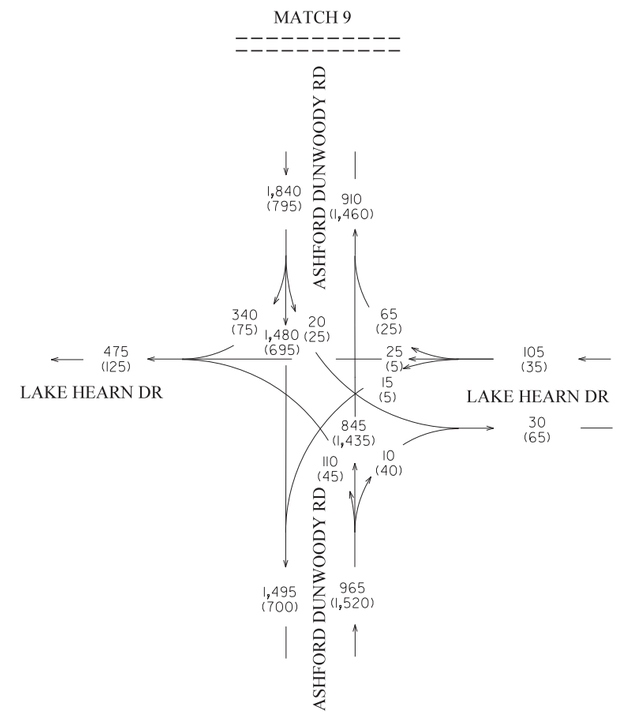
DRAWING No.
10-008

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

N

DHV TRAFFIC VOLUMES
I-285 YEAR 2019
AM PEAK HOUR = XXX
PM PEAK HOUR = (XXX)
I-285
PEAK HOUR TRUCK = 6.8%
S.U. = 2.1%
COMB. = 4.7%





I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

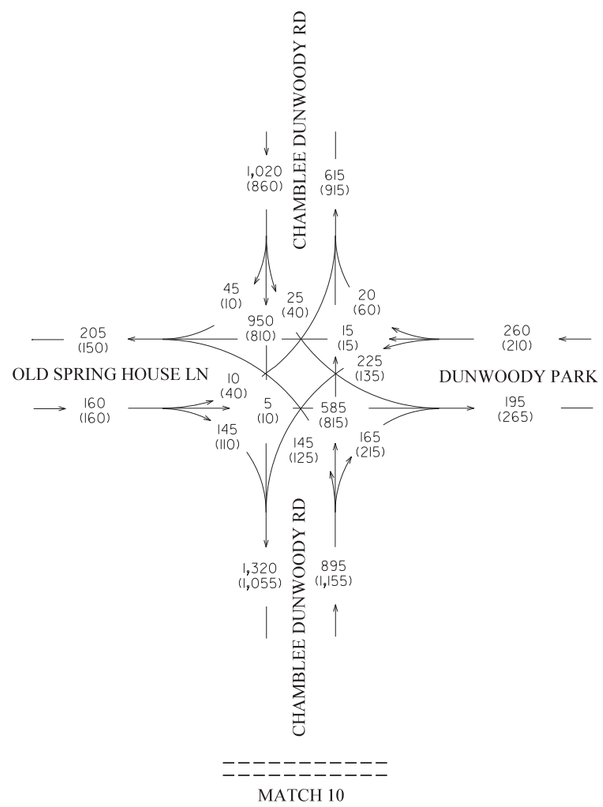
STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE OF PLANNING
TRAFFIC DIAGRAM
SCENARIO #3
YEAR 2019 DHV BUILD (PI.721850)
YEAR 2019 DHV NO-BUILD (PI.0000784)
SHEET 9 OF 15

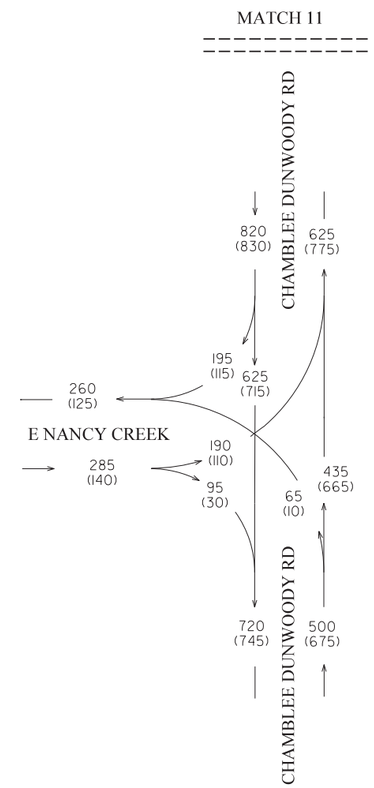
DRAWING No.
10-009

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

N

DHV TRAFFIC VOLUMES
I-285 YEAR 2019
AM PEAK HOUR = XXX
PM PEAK HOUR = (XXX)
I-285
PEAK HOUR TRUCK = 6.8%
S.U. = 2.1%
COMB. = 4.7%





I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE OF PLANNING
TRAFFIC DIAGRAM
SCENARIO #3
YEAR 2019 DHV BUILD (PI.721850)
YEAR 2019 DHV NO-BUILD (PI.0000784)
SHEET 10 OF 15

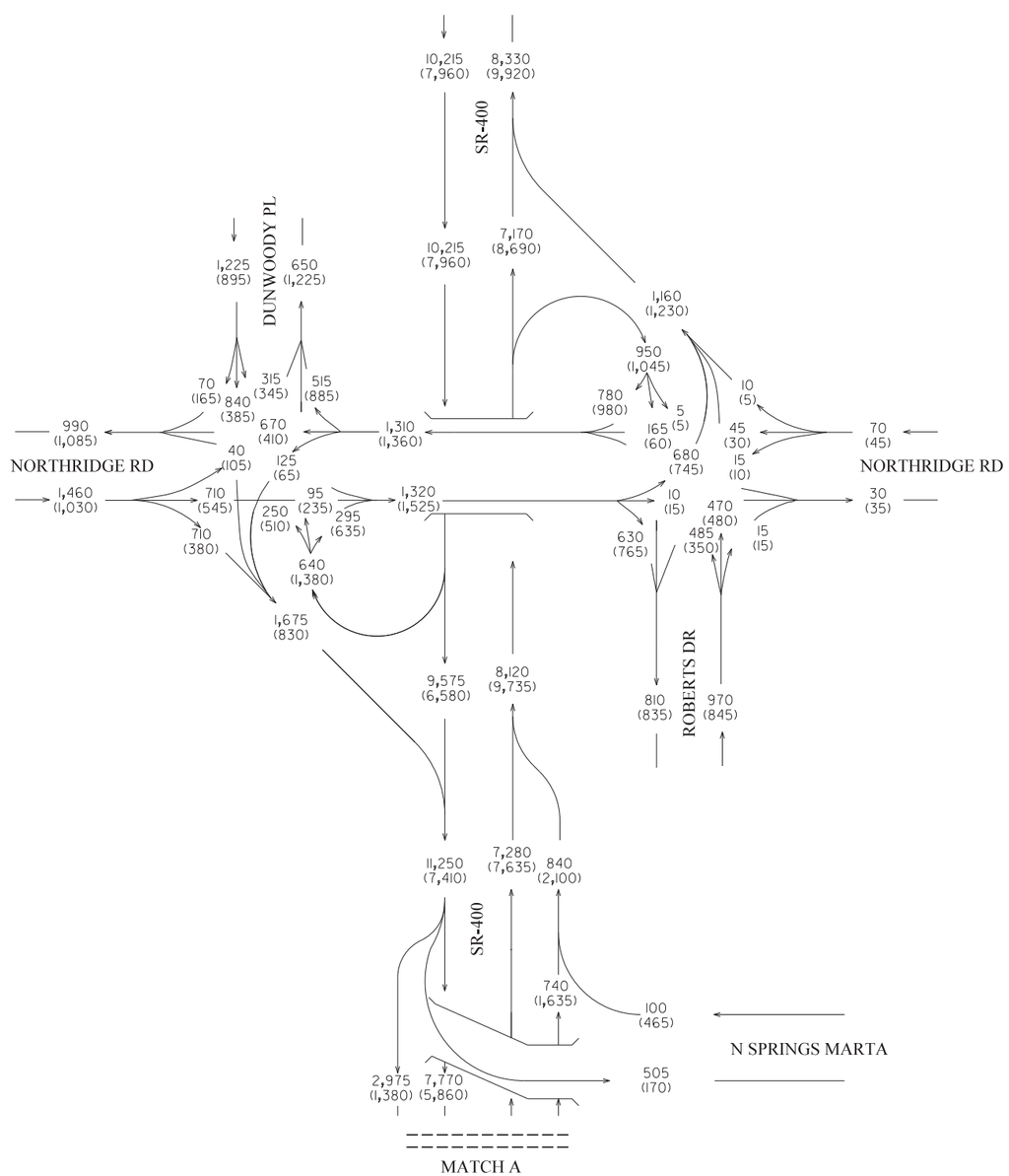
DRAWING No.
10-010

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

DHV TRAFFIC VOLUMES
SR-400 YEAR 2019
AM PEAK HOUR = XXX
PM PEAK HOUR = (XXX)

N

SR-400
PEAK HOUR TRUCK = 2.7%
S.U. = 2.0%
COMB. = 0.7%



I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

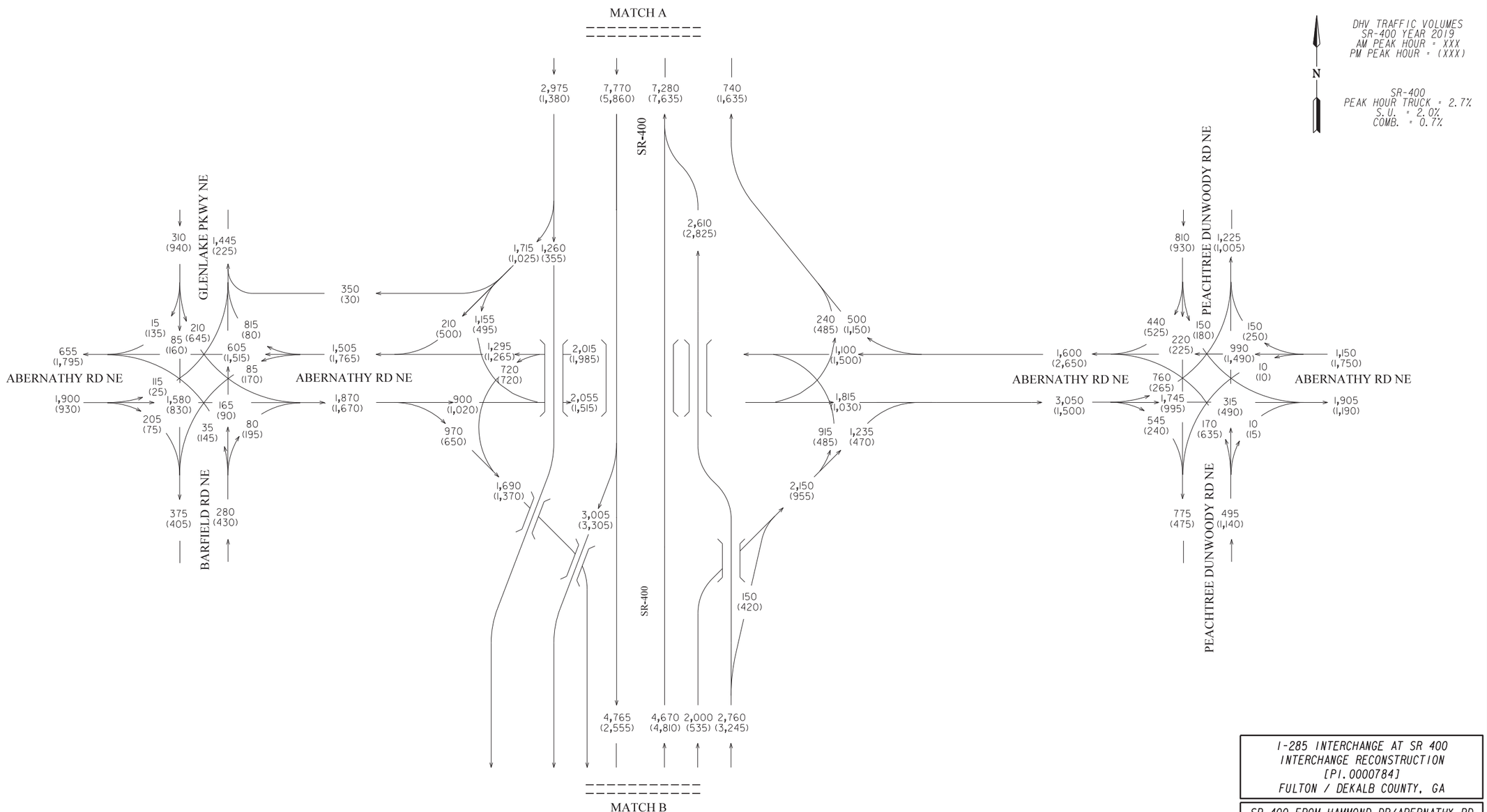
OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #3

YEAR 2019 DHV BUILD (PI.721850)
YEAR 2019 DHV NO-BUILD (PI.0000784)
SHEET 11 OF 15

DRAWING No.
10-011

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		



I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #3

YEAR 2019 DHV BUILD (PI.721850)
YEAR 2019 DHV NO-BUILD (PI.0000784)
SHEET 12 OF 15

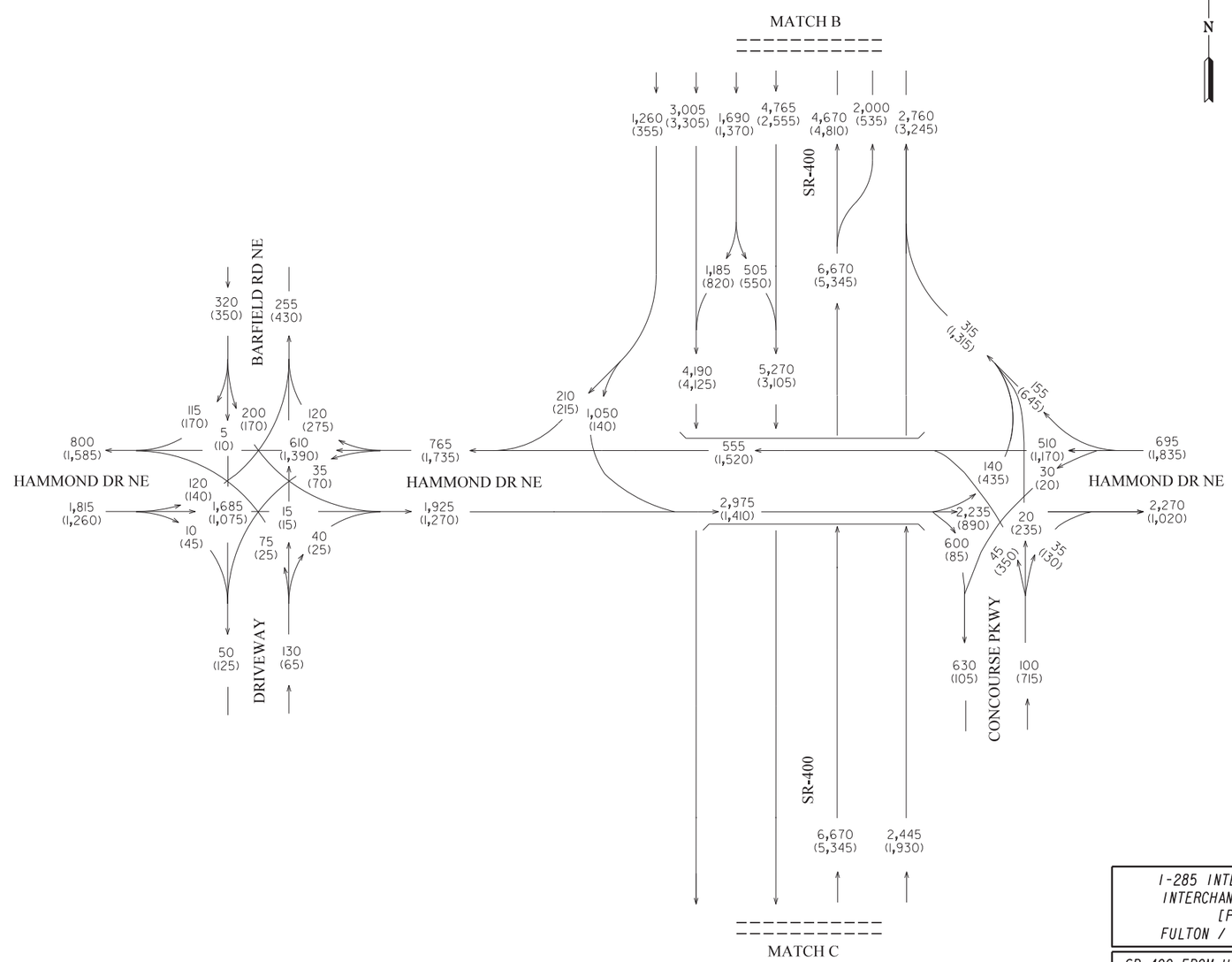
DRAWING No.
10-012

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

DHV TRAFFIC VOLUMES
SR-400 YEAR 2019
AM PEAK HOUR = XXX
PM PEAK HOUR = (XXX)

N

SR-400
PEAK HOUR TRUCK = 2.7%
S.U. = 2.0%
COMB. = 0.7%



I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #3

YEAR 2019 DHV BUILD (PI.721850)
YEAR 2019 DHV NO-BUILD (PI.0000784)
SHEET 13 OF 15

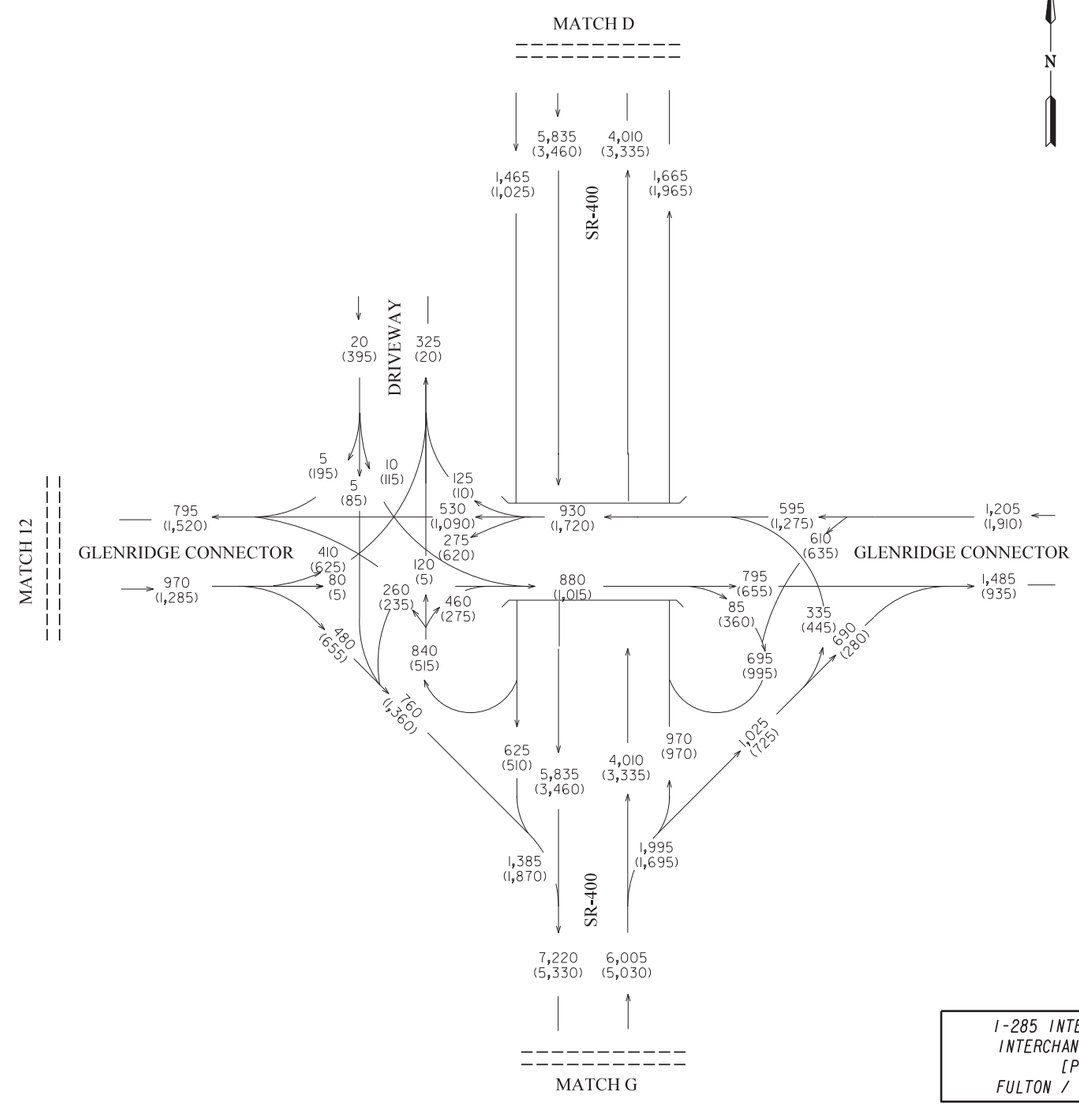
DRAWING No.
10-013

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

DHV TRAFFIC VOLUMES
SR-400 YEAR 2019
AM PEAK HOUR = XXX
PM PEAK HOUR = (XXX)

N

SR-400
PEAK HOUR TRUCK = 2.7%
S.U. = 2.0%
COMB. = 0.7%



I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #3

YEAR 2019 DHV BUILD (PI.721850)
YEAR 2019 DHV NO-BUILD (PI.0000784)
SHEET 14 OF 15

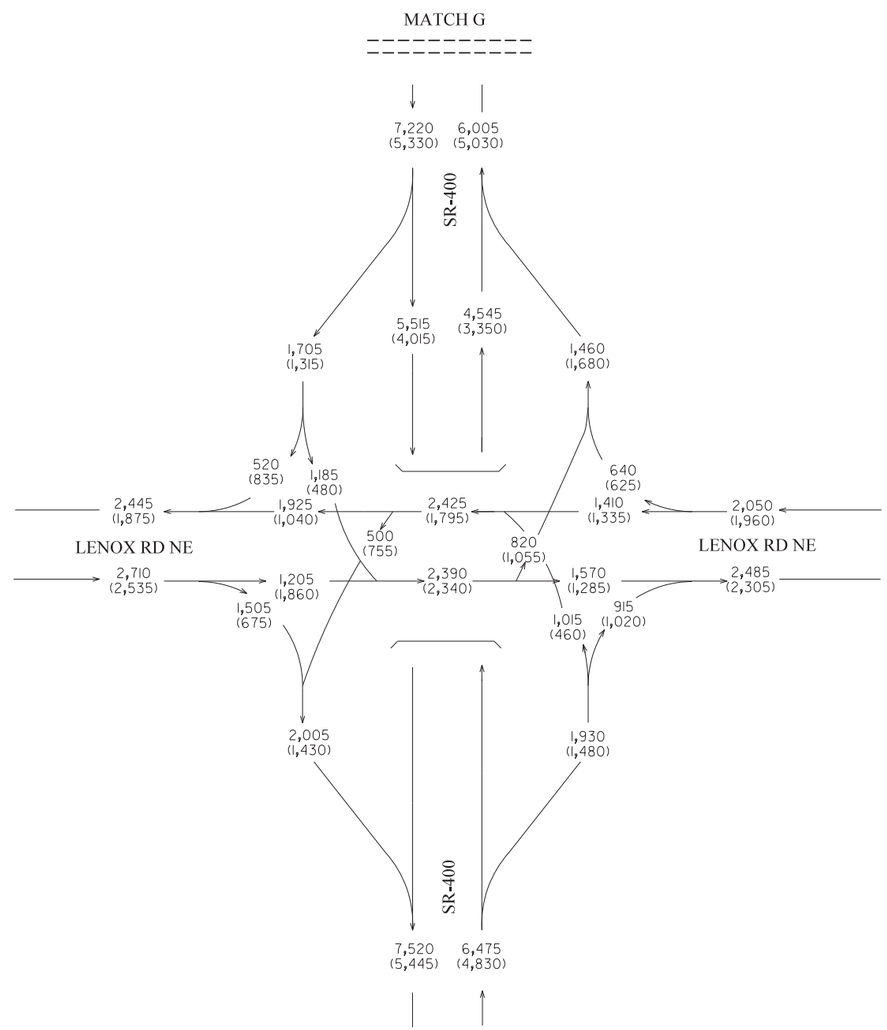
DRAWING No.
10-014

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

DHV TRAFFIC VOLUMES
SR-400 YEAR 2019
AM PEAK HOUR = XXX
PM PEAK HOUR = (XXX)

N

SR-400
PEAK HOUR TRUCK = 2.7%
S.U. = 2.0%
COMB. = 0.7%



I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

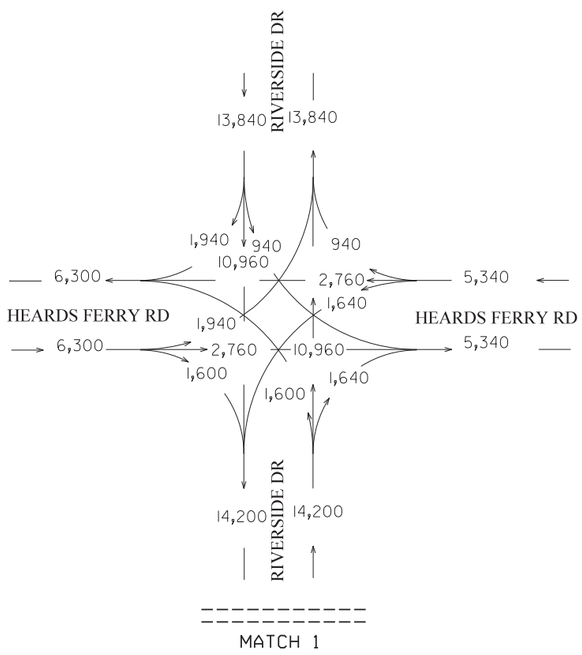
OFFICE OF PLANNING

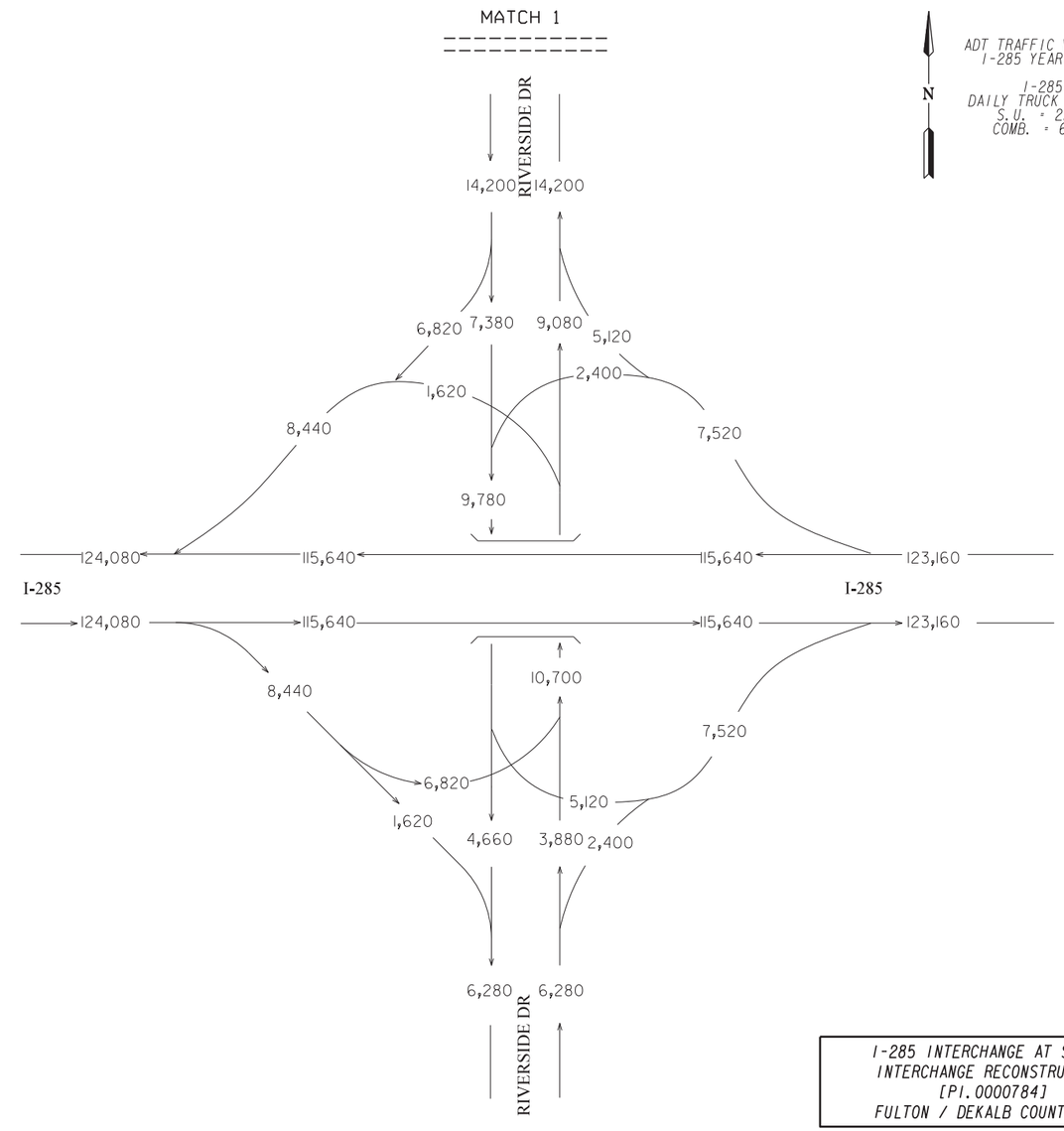
TRAFFIC DIAGRAM
SCENARIO #3

YEAR 2019 DHV BUILD (PI.721850)
YEAR 2019 DHV NO-BUILD (PI.0000784)
SHEET 15 OF 15

DRAWING No.
10-015

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		





ADT TRAFFIC VOLUMES
I-285 YEAR 2019

I-285
DAILY TRUCK = 9.1%
S.U. = 2.5%
COMB. = 6.6%

N

I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

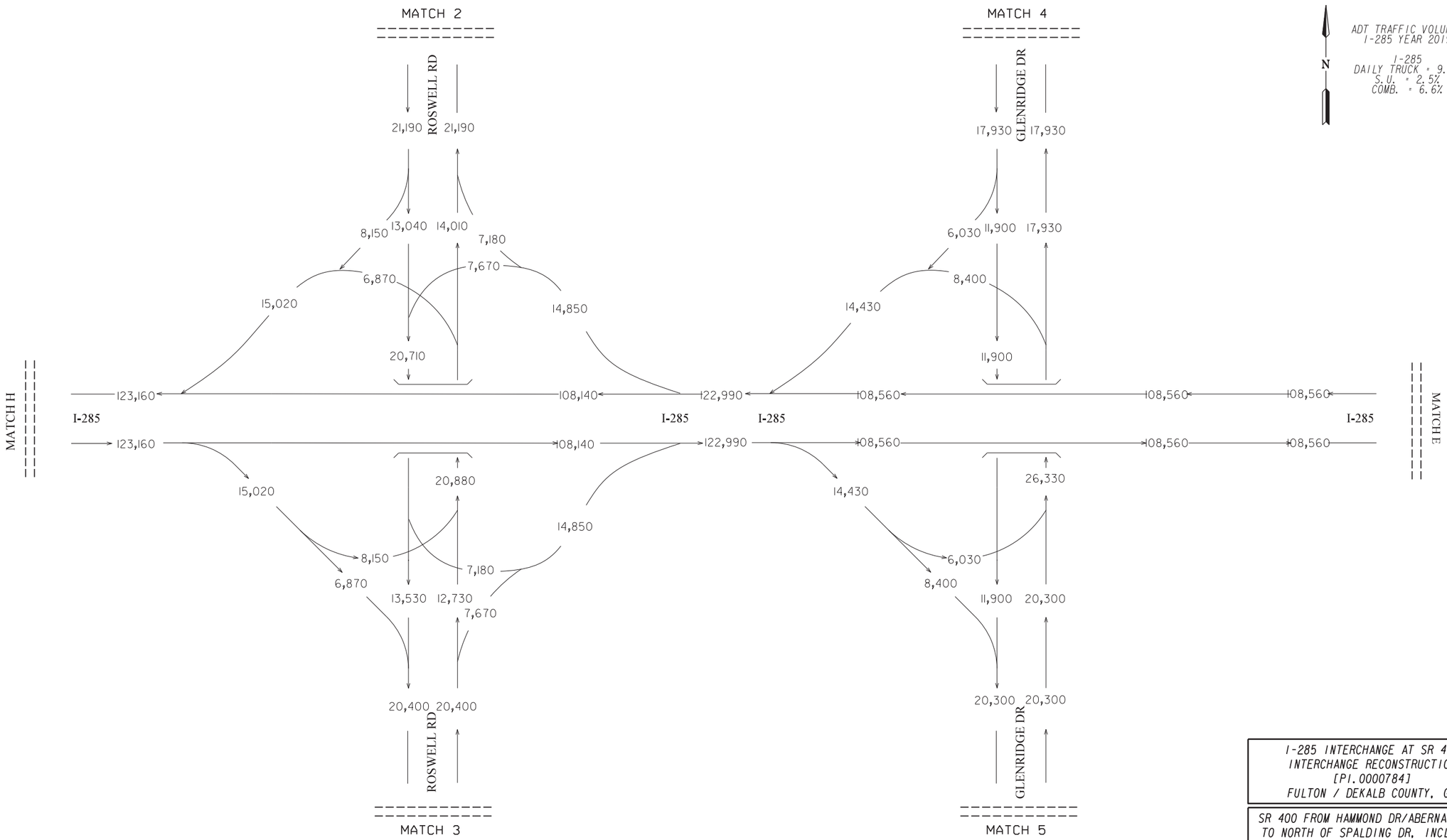
OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #3

YEAR 2019 ADT BUILD (PI.721850)
YEAR 2019 ADT NO-BUILD (PI.0000784)
SHEET 1 OF 15

DRAWING No.
10-001

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		



I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

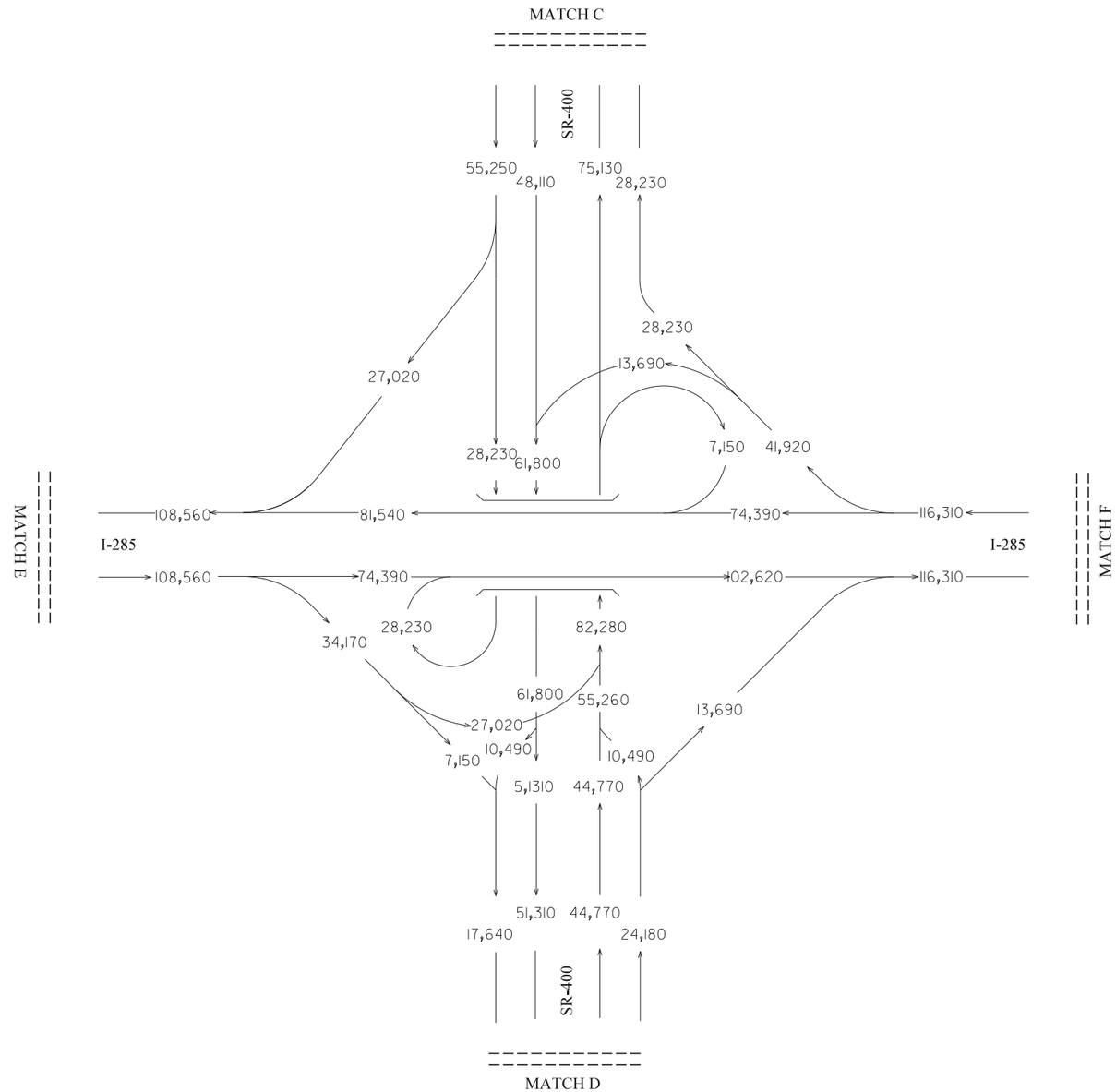
OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #3

YEAR 2019 ADT BUILD (PI.721850)
YEAR 2019 ADT NO-BUILD (PI.0000784)
SHEET 2 OF 15

DRAWING No.
10-002

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		



N

ADT TRAFFIC VOLUMES
I-285 YEAR 2019

I-285
DAILY TRUCK = 9.1%
S.U. = 2.5%
COMB. = 6.6%

I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR. INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

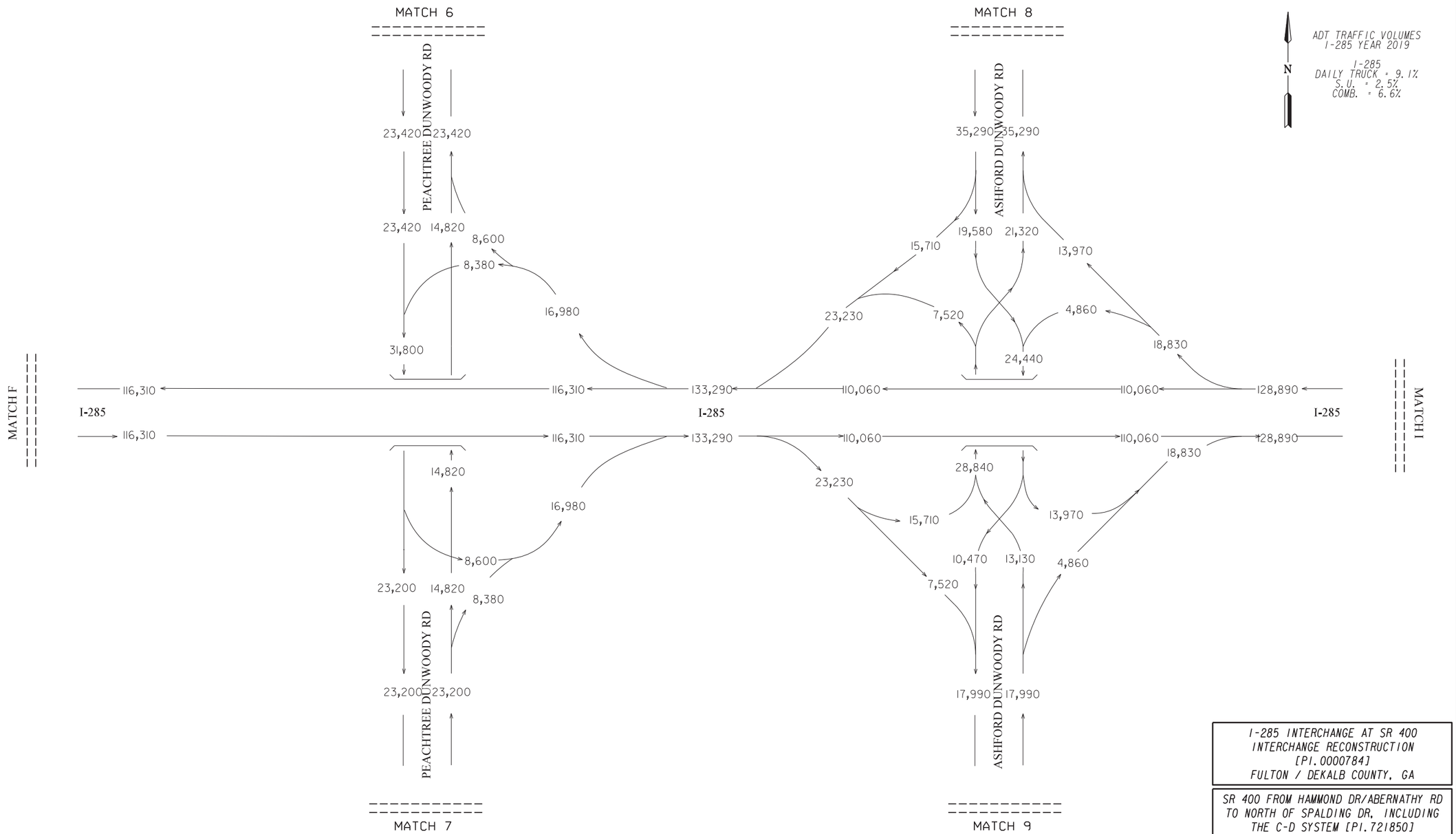
OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #3

YEAR 2019 ADT BUILD (PI.721850)
YEAR 2019 ADT NO-BUILD (PI.0000784)
SHEET 3 OF 15

DRAWING No.
10-003

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		



I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

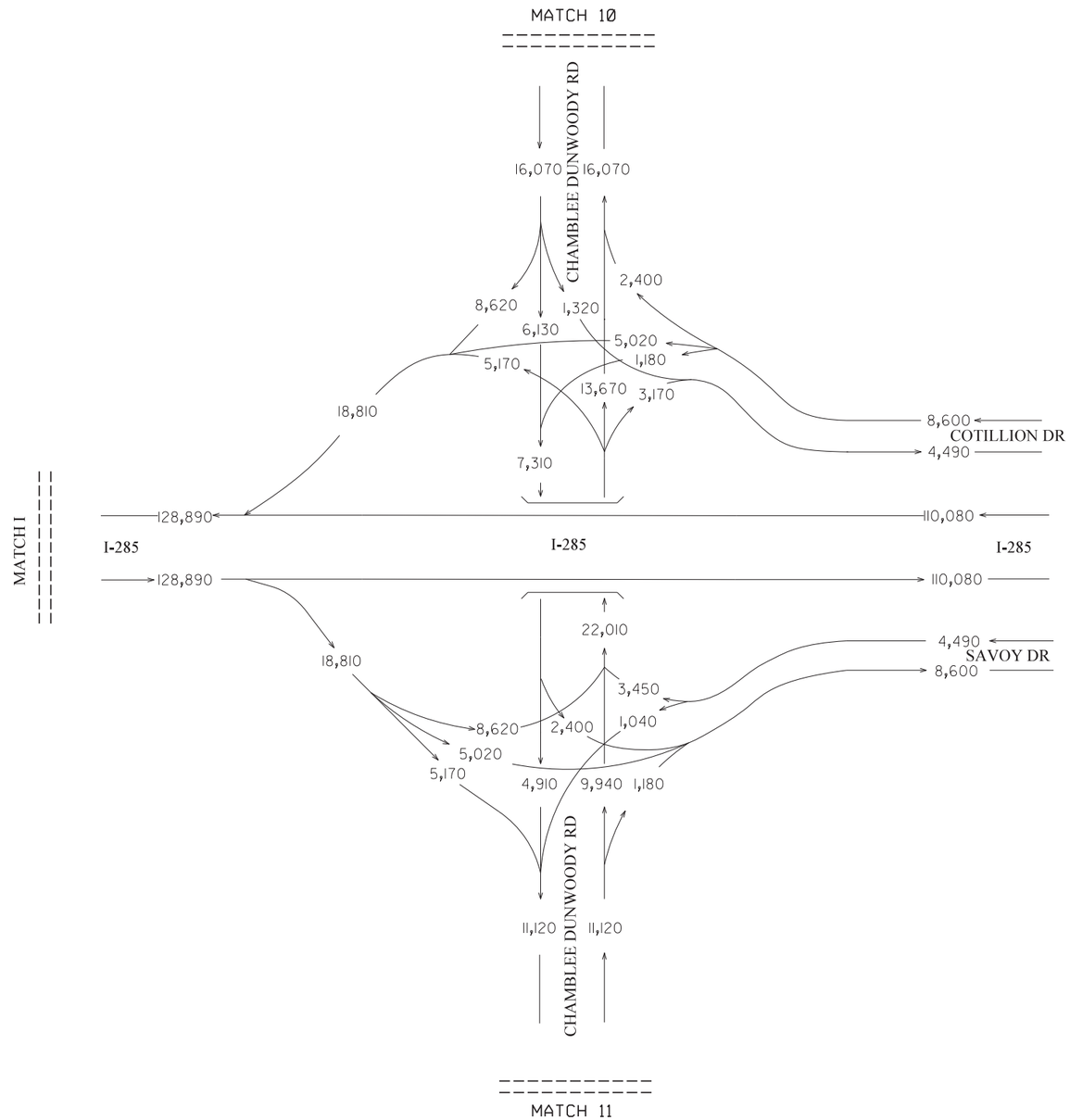
OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #3

YEAR 2019 ADT BUILD (PI.721850)
YEAR 2019 ADT NO-BUILD (PI.0000784)
SHEET 4 OF 15

DRAWING No.
10-004

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		



N

ADT TRAFFIC VOLUMES
I-285 YEAR 2019

I-285
DAILY TRUCK = 9.1%
S.U. = 2.5%
COMB. = 6.6%

I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #3

YEAR 2019 ADT BUILD (PI.721850)
YEAR 2019 ADT NO-BUILD (PI.0000784)
SHEET 5 OF 15

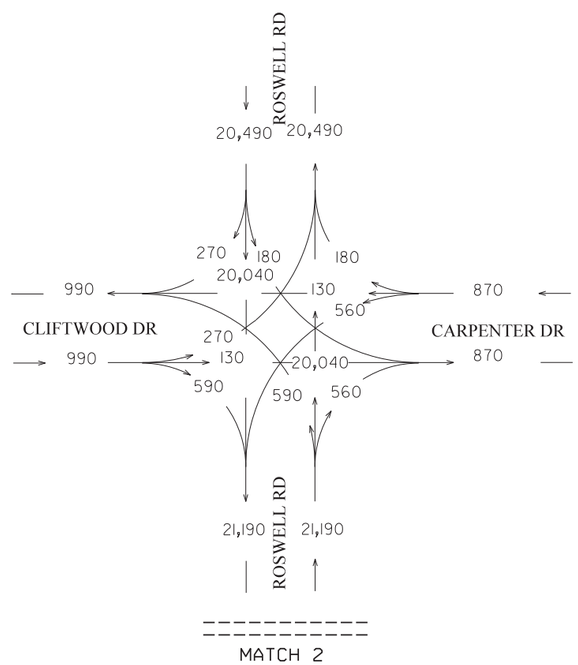
DRAWING No.
10-005

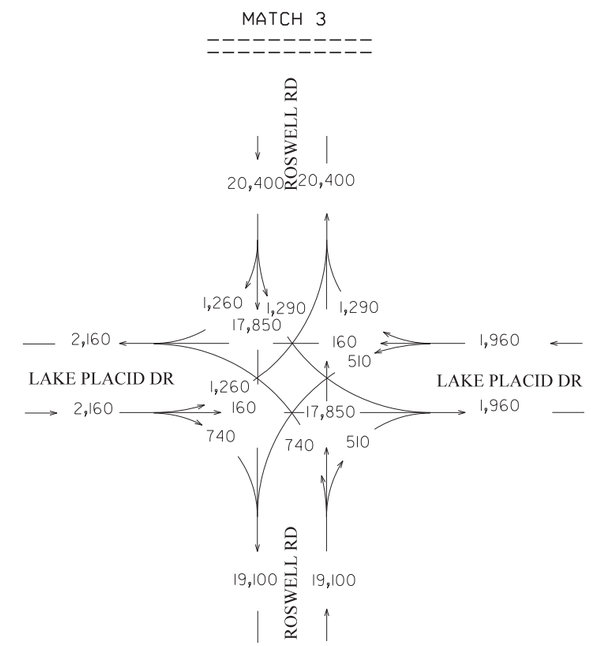
COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

N

ADT TRAFFIC VOLUMES
I-285 YEAR 2019

I-285
DAILY TRUCK = 9.1%
S.U. = 2.5%
COMB. = 6.6%





I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #3

YEAR 2019 ADT BUILD (PI.721850)
YEAR 2019 ADT NO-BUILD (PI.0000784)
SHEET 6 OF 15

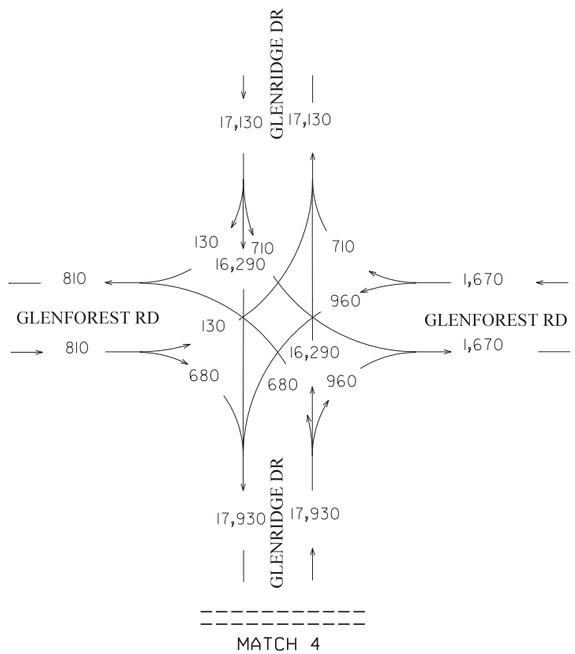
DRAWING No.
10-006

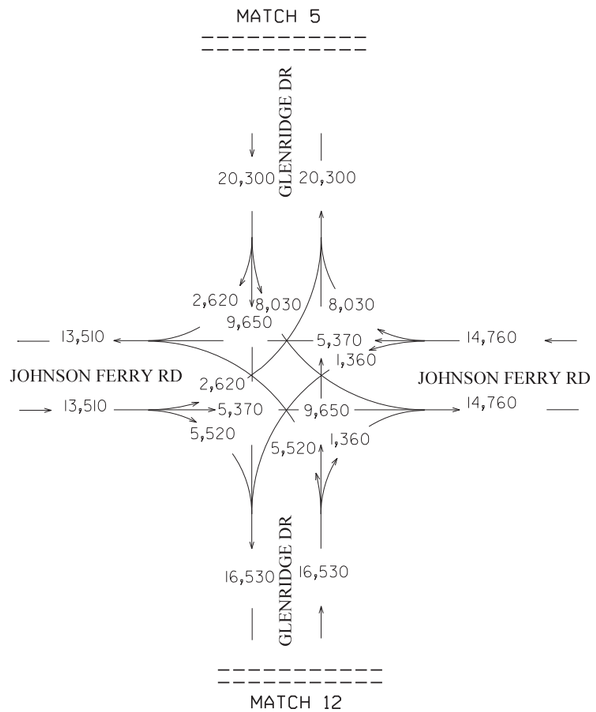
COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

N

ADT TRAFFIC VOLUMES
I-285 YEAR 2019

I-285
DAILY TRUCK = 9.1%
S.U. = 2.5%
COMB. = 6.6%





I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #3

YEAR 2019 ADT BUILD (PI.721850)
YEAR 2019 ADT NO-BUILD (PI.0000784)
SHEET 7 OF 15

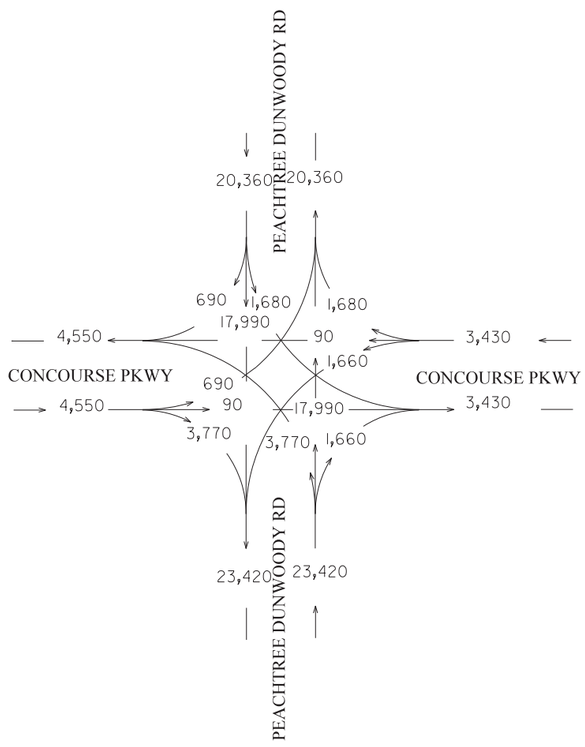
DRAWING No.
10-007

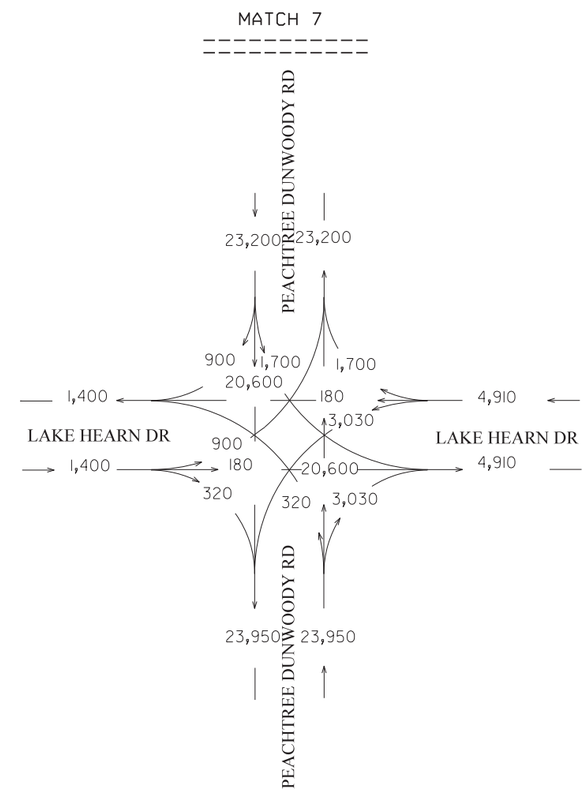
COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

N

ADT TRAFFIC VOLUMES
I-285 YEAR 2019

I-285
DAILY TRUCK = 9.1%
S.U. = 2.5%
COMB. = 6.6%





I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #3

YEAR 2019 ADT BUILD (PI.721850)
YEAR 2019 ADT NO-BUILD (PI.0000784)
SHEET 8 OF 15

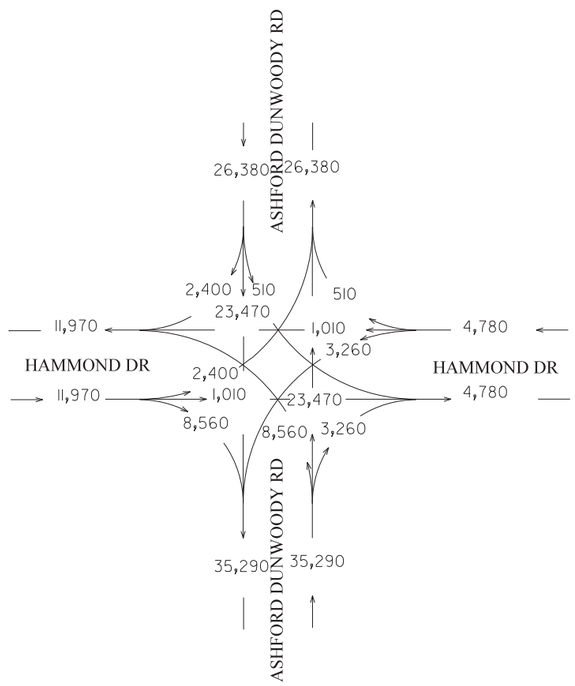
DRAWING No.
10-008

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

ADT TRAFFIC VOLUMES
I-285 YEAR 2019

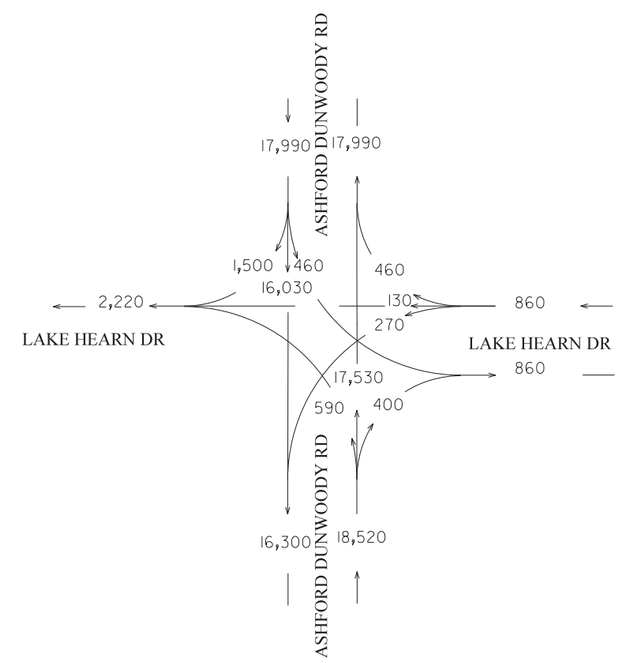
I-285
DAILY TRUCK = 9.1%
S.U. = 2.5%
COMB. = 6.6%

N



MATCH 8

MATCH 9



I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #3

YEAR 2019 ADT BUILD (PI.721850)
YEAR 2019 ADT NO-BUILD (PI.0000784)
SHEET 9 OF 15

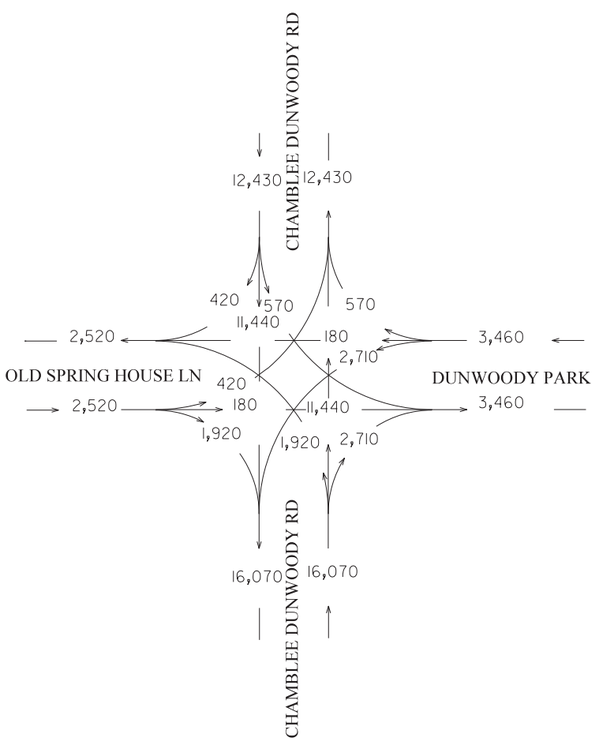
DRAWING No.
10-009

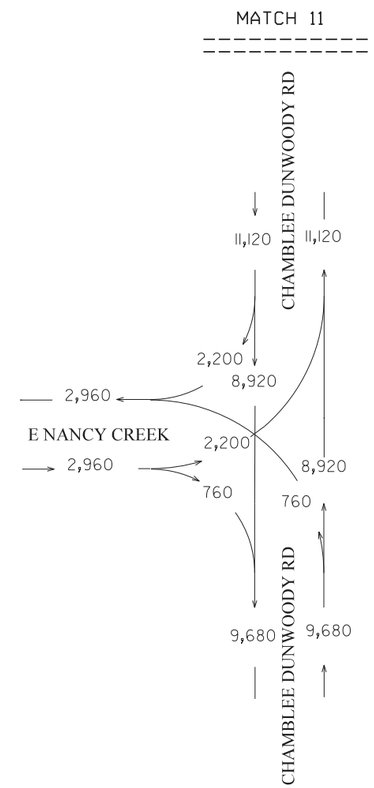
COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

N

ADT TRAFFIC VOLUMES
I-285 YEAR 2019

I-285
DAILY TRUCK = 9.1%
S.U. = 2.5%
COMB. = 6.6%





I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #3

YEAR 2019 ADT BUILD (PI.721850)
YEAR 2019 ADT NO-BUILD (PI.0000784)
SHEET 10 OF 15

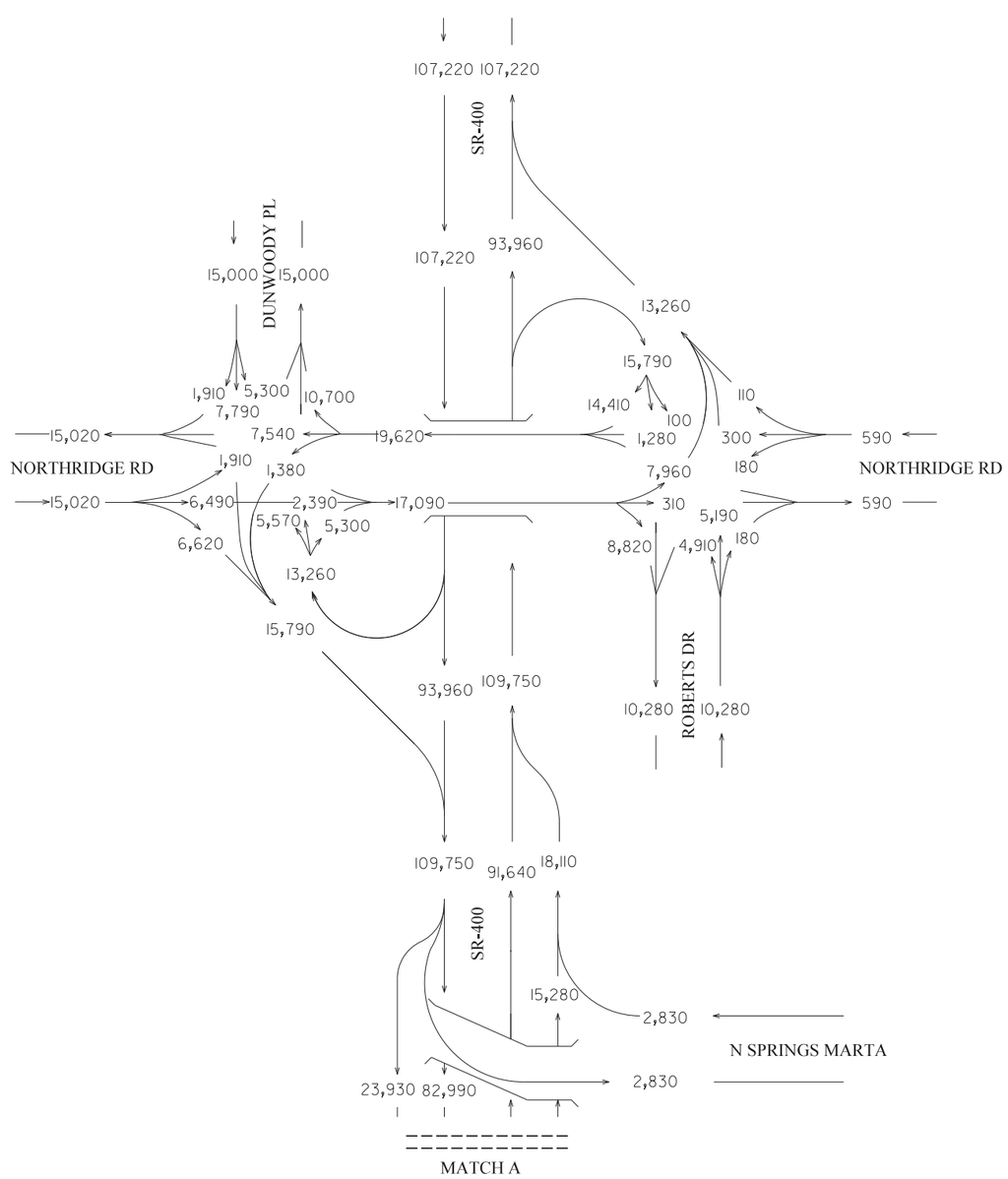
DRAWING No.
10-010

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

ADT TRAFFIC VOLUMES
SR-400 YEAR 2019

SR-400
DAILY TRUCK = 3.7%
S.U. = 2.5%
COMB. = 1.2%

N



I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

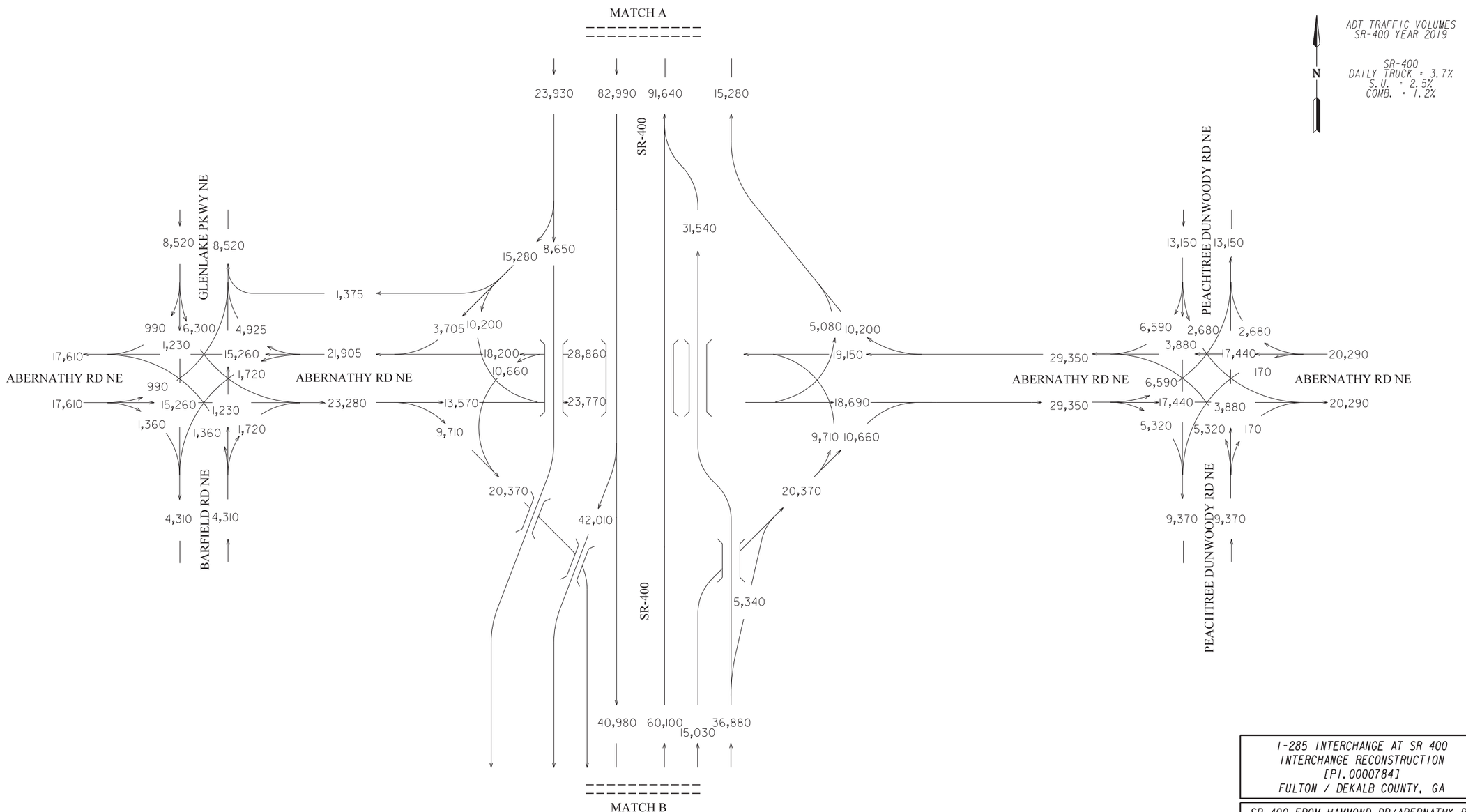
OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #3

YEAR 2019 ADT BUILD (PI.721850)
YEAR 2019 ADT NO-BUILD (PI.0000784)
SHEET 11 OF 15

DRAWING No.
10-011

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		



I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #3

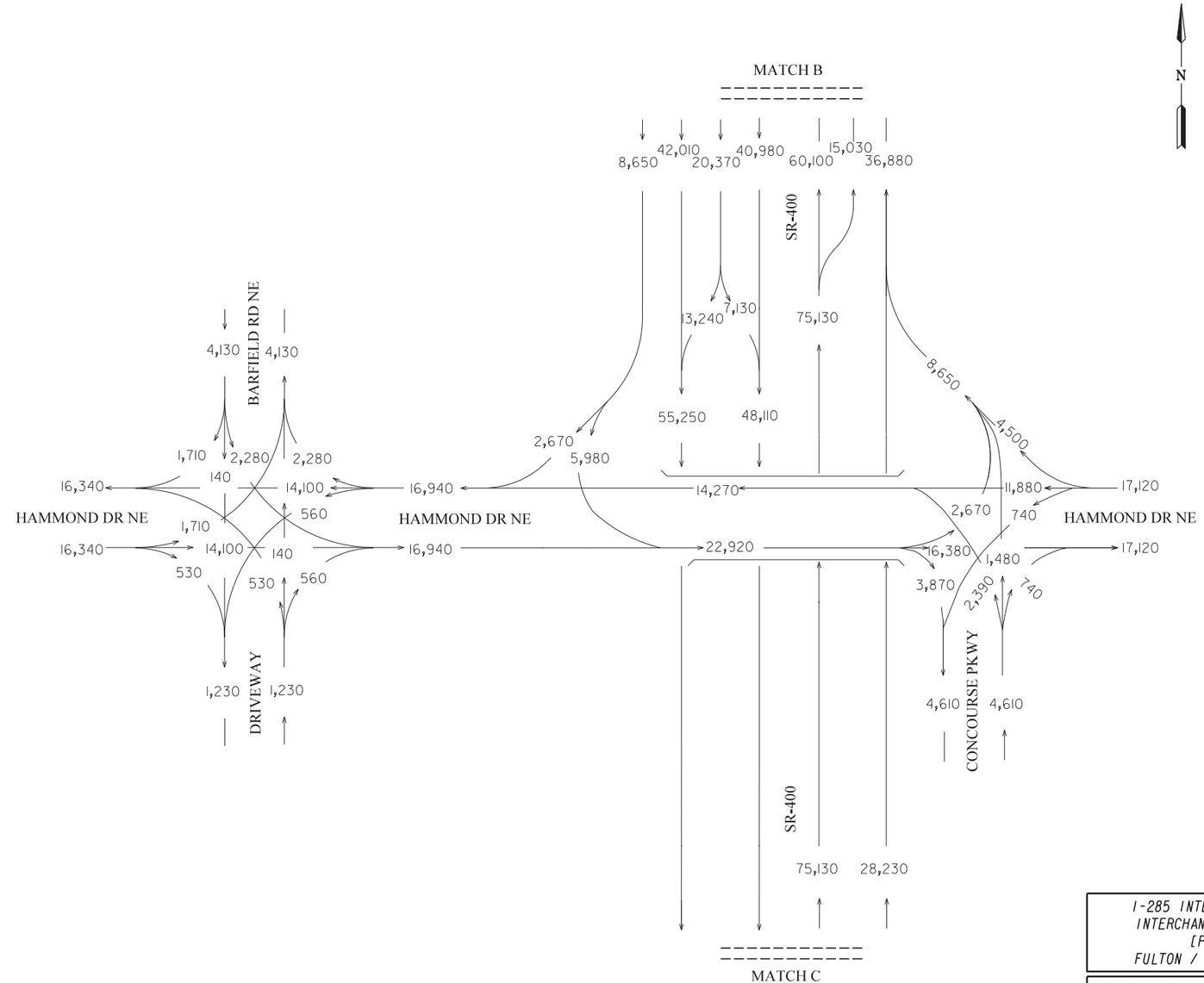
YEAR 2019 ADT BUILD (PI.721850)
YEAR 2019 ADT NO-BUILD (PI.0000784)
SHEET 12 OF 15

DRAWING No.
10-012

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

ADT TRAFFIC VOLUMES
SR-400 YEAR 2019

SR-400
DAILY TRUCK = 3.7%
S.U. = 2.5%
COMB. = 1.2%



I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #3

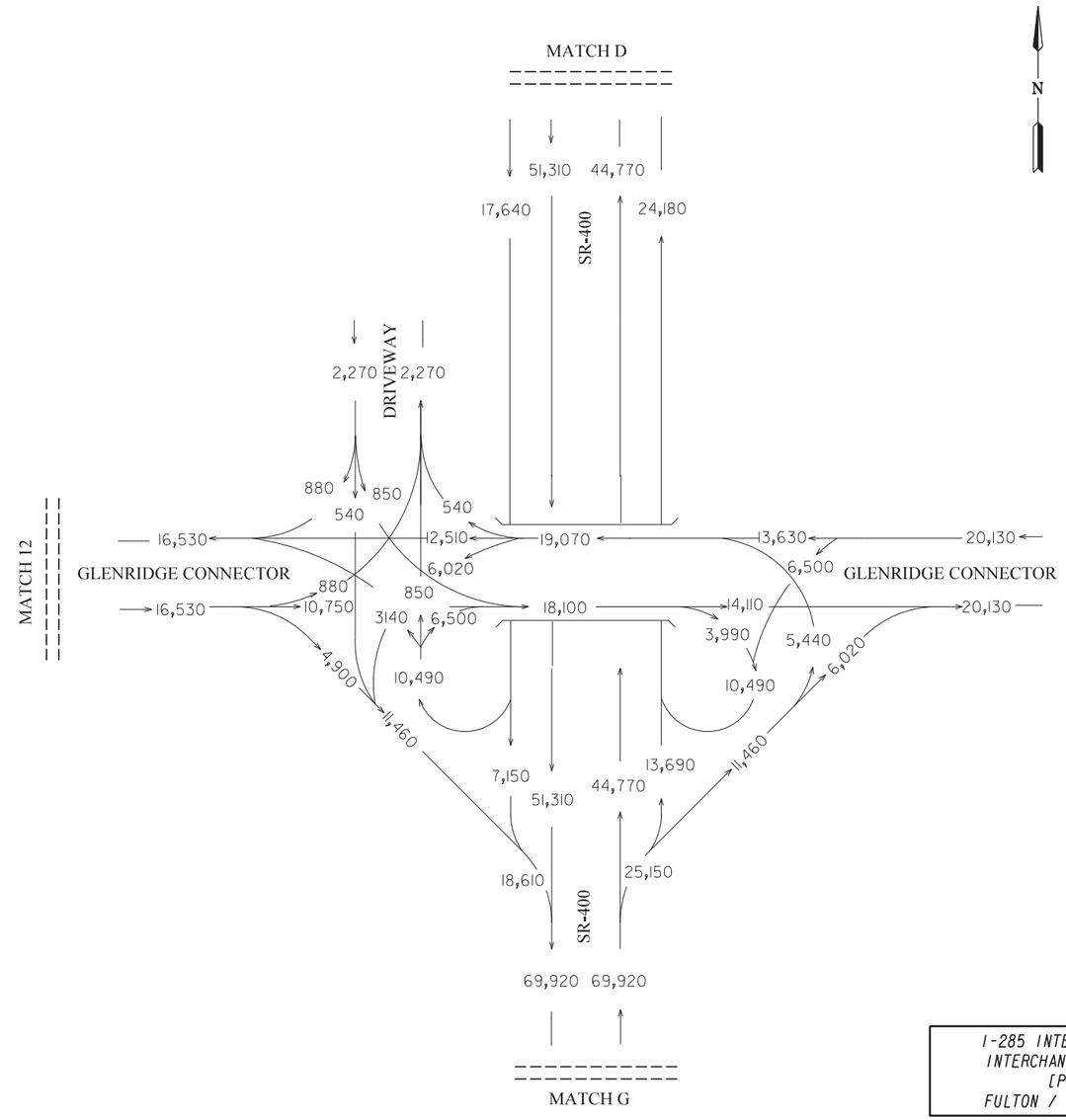
YEAR 2019 ADT BUILD (PI.721850)
YEAR 2019 ADT NO-BUILD (PI.0000784)
SHEET 13 OF 15

DRAWING No.
10-013

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

ADT TRAFFIC VOLUMES
SR-400 YEAR 2019

SR-400
DAILY TRUCK = 3.7%
S.U. = 2.5%
COMB. = 1.2%



I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #3

YEAR 2019 ADT BUILD (PI.721850)
YEAR 2019 ADT NO-BUILD (PI.0000784)
SHEET 14 OF 15

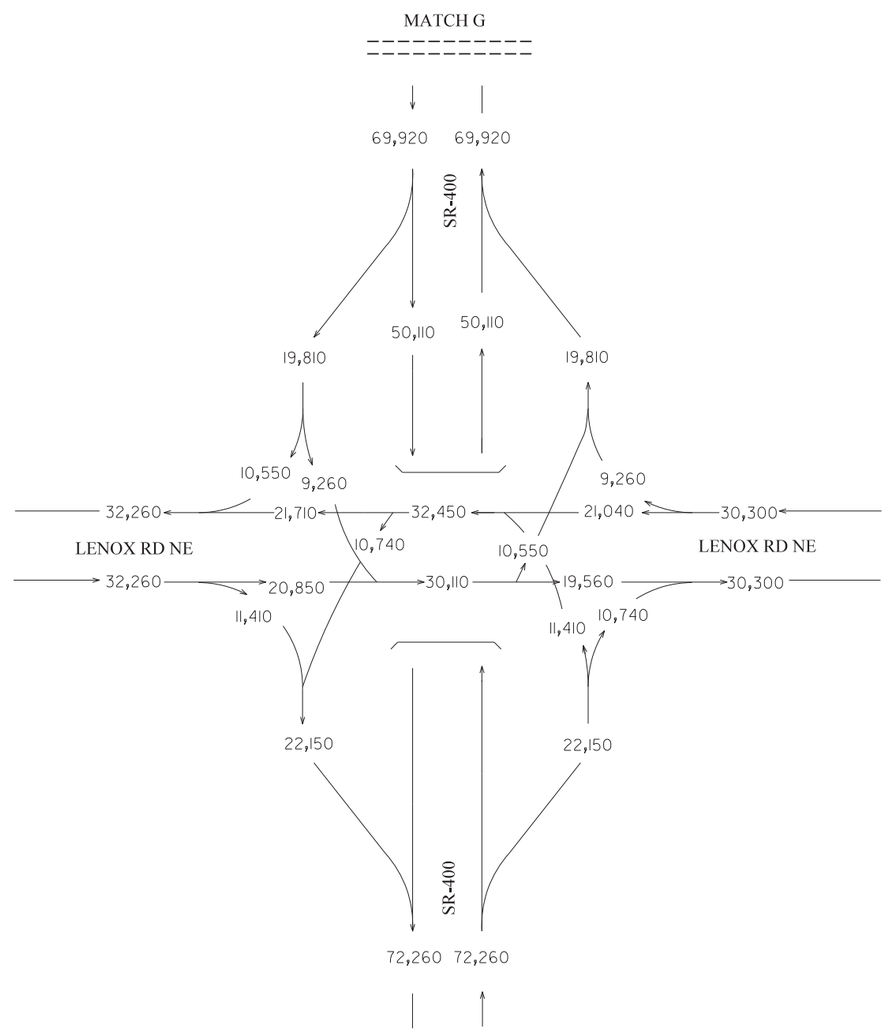
DRAWING No.
10-014

COUNTY	STATE	PROJECT NUMBER	SHEET NO.	TOT SHEETS
FULTON / DEKALB	GA	PI.0000784 / PI.721850		

ADT TRAFFIC VOLUMES
SR-400 YEAR 2019

SR-400
DAILY TRUCK = 3.7%
S.U. = 2.5%
COMB. = 1.2%

N



I-285 INTERCHANGE AT SR 400
INTERCHANGE RECONSTRUCTION
[PI.0000784]
FULTON / DEKALB COUNTY, GA

SR 400 FROM HAMMOND DR/ABERNATHY RD
TO NORTH OF SPALDING DR, INCLUDING
THE C-D SYSTEM [PI.721850]
FULTON COUNTY, GA

Kimley»Horn
Engineering, Planning, and Environmental Consultants
Suite 450, 2 Sun Court
Peachtree Corners, Georgia 30092

ARCADIS
Infrastructure · Water · Environment · Buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE OF PLANNING

TRAFFIC DIAGRAM
SCENARIO #3

YEAR 2019 ADT BUILD (PI.721850)
YEAR 2019 ADT NO-BUILD (PI.0000784)
SHEET 15 OF 15

DRAWING No.
10-015

ATTACHMENT 6

2039 DESIGN YEAR LEVEL OF SERVICE DIAGRAMS

2039 DESIGN YEAR AM PEAK LEVEL OF SERVICE DIAGRAM MAP A

Level-of-Service (LOS)

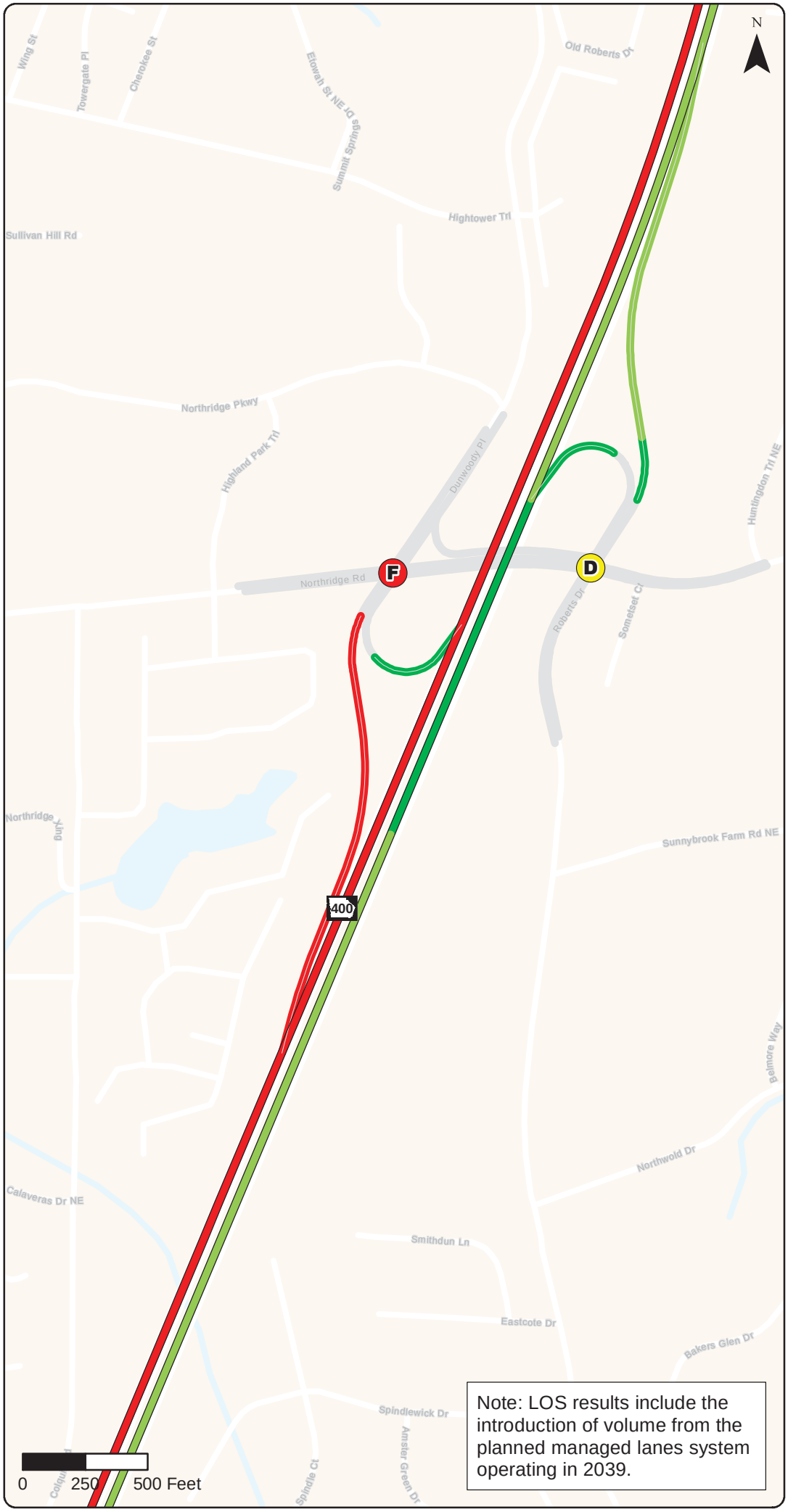
- A/B
- C
- D
- E
- F
- Arterial Links

LOS Segment Type

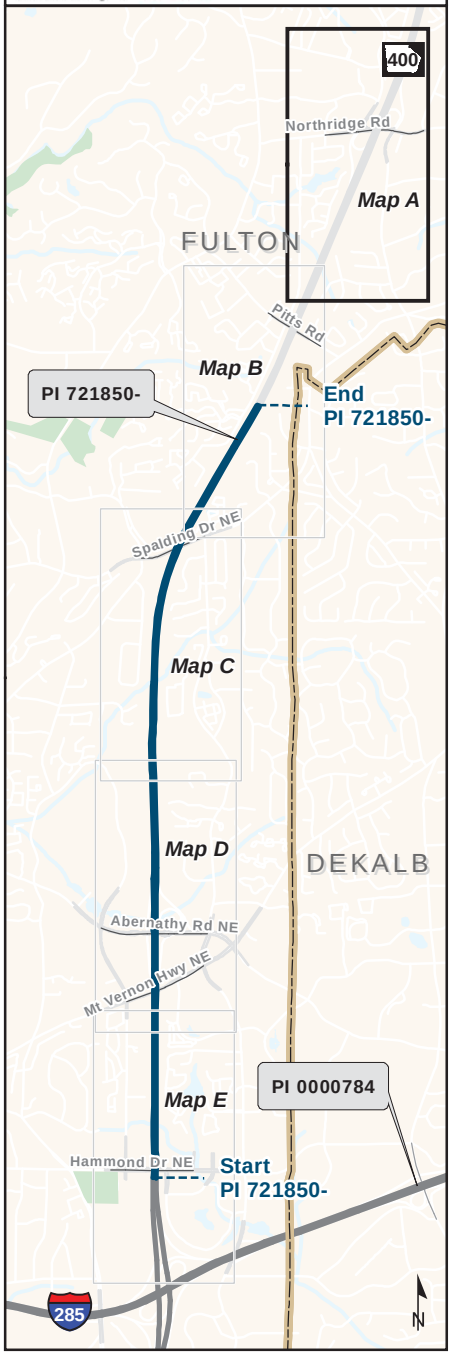
- Mainline Link (Density)
- CD/Ramp Link (Density)
- Intersection (Delay)

Kimley»Horn

Project: PI 721850-



Note: LOS results include the introduction of volume from the planned managed lanes system operating in 2039.



2039 DESIGN YEAR AM PEAK LEVEL OF SERVICE DIAGRAM MAP B

Level-of-Service (LOS)

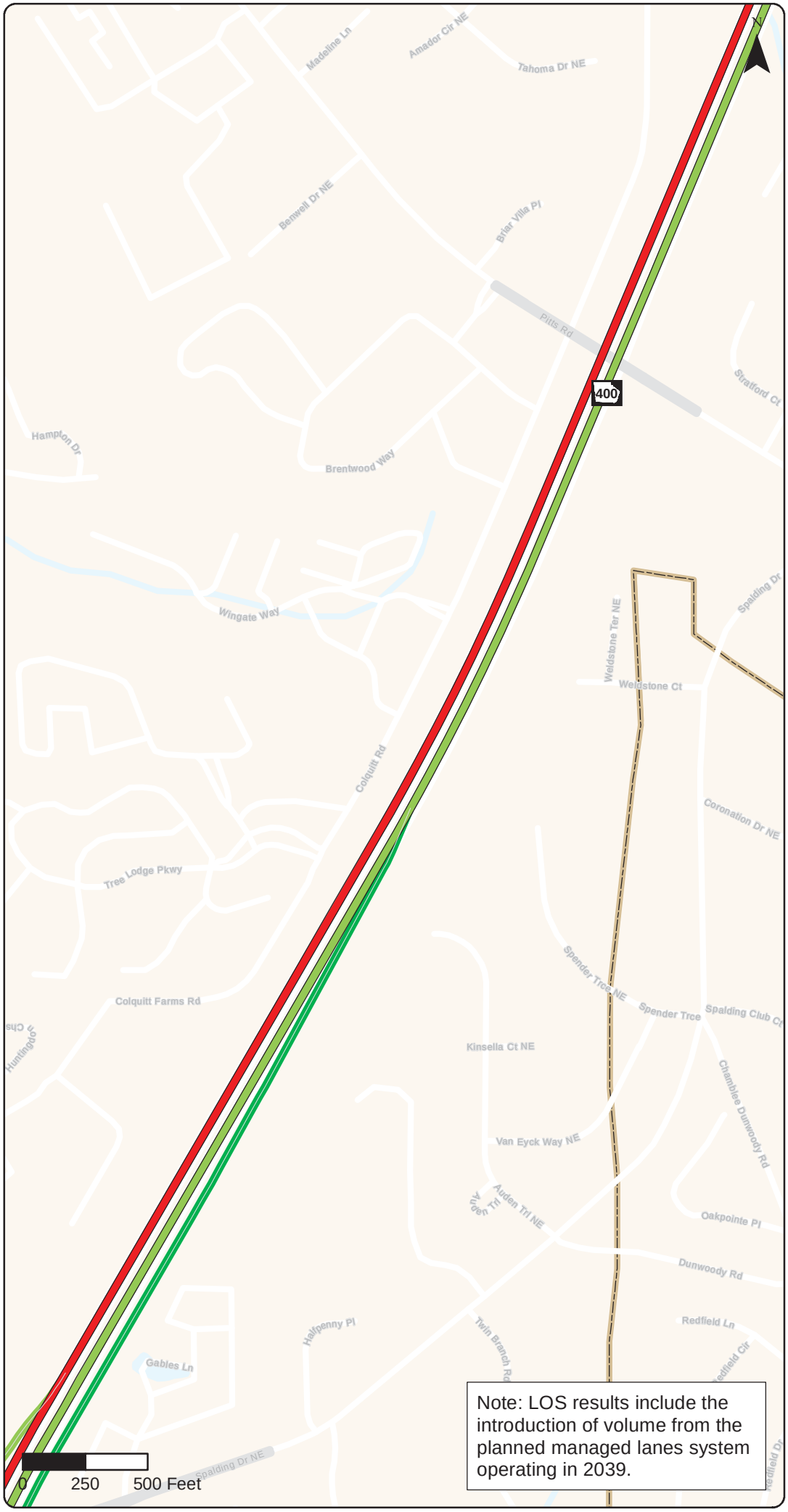
- A/B
- C
- D
- E
- F
- Arterial Links

LOS Segment Type

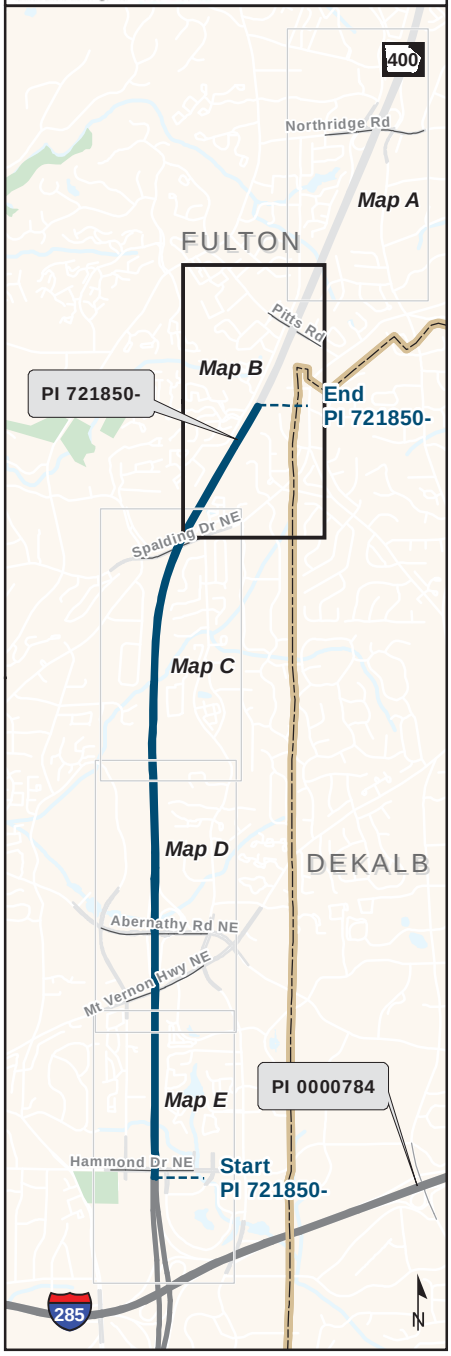
- Mainline Link (Density)
- CD/Ramp Link (Density)
- Intersection (Delay)

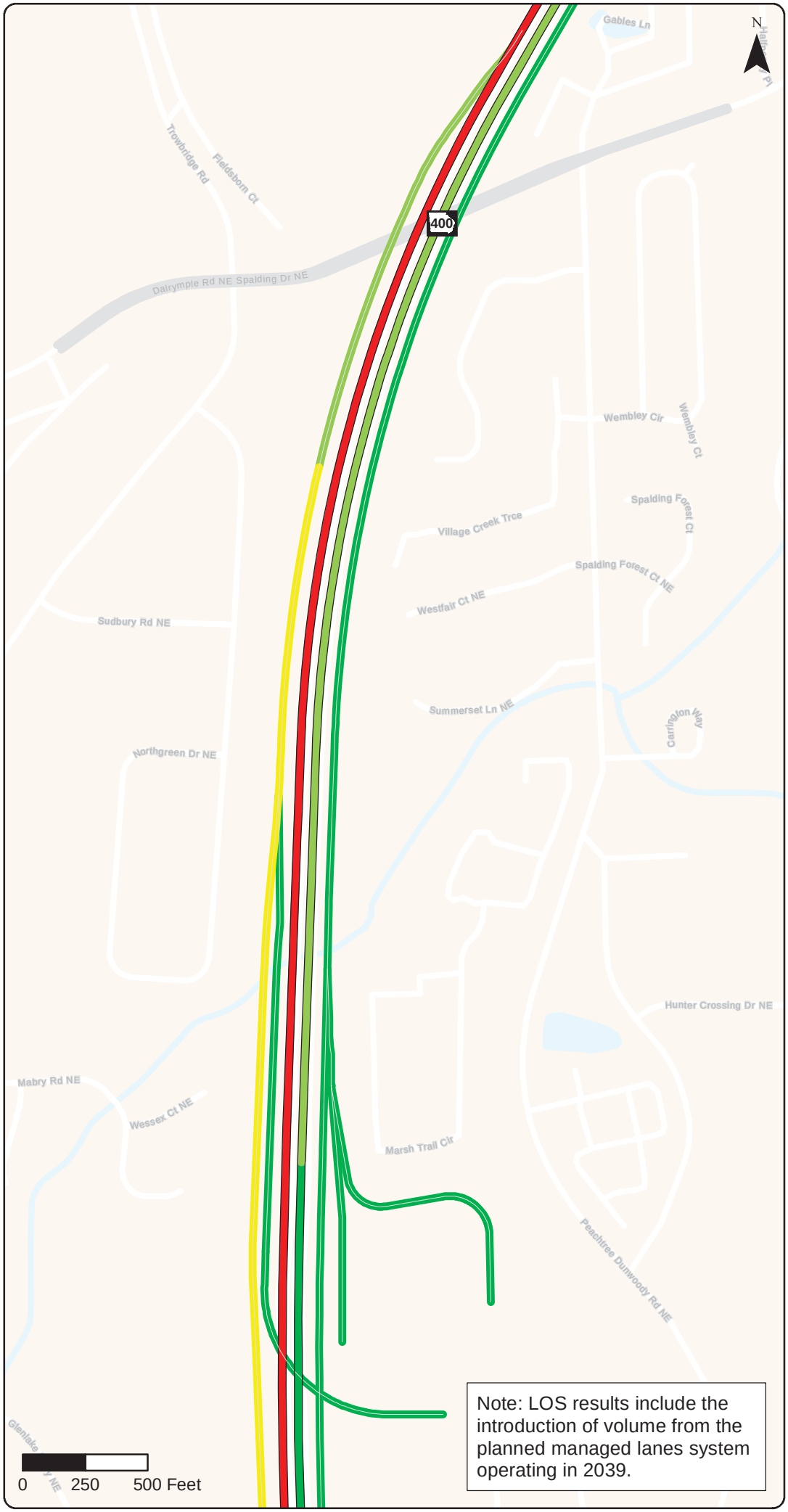
Kimley»Horn

Project: PI 721850-



Note: LOS results include the introduction of volume from the planned managed lanes system operating in 2039.





Note: LOS results include the introduction of volume from the planned managed lanes system operating in 2039.

2039 DESIGN YEAR AM PEAK LEVEL OF SERVICE DIAGRAM MAP C

Level-of-Service (LOS)

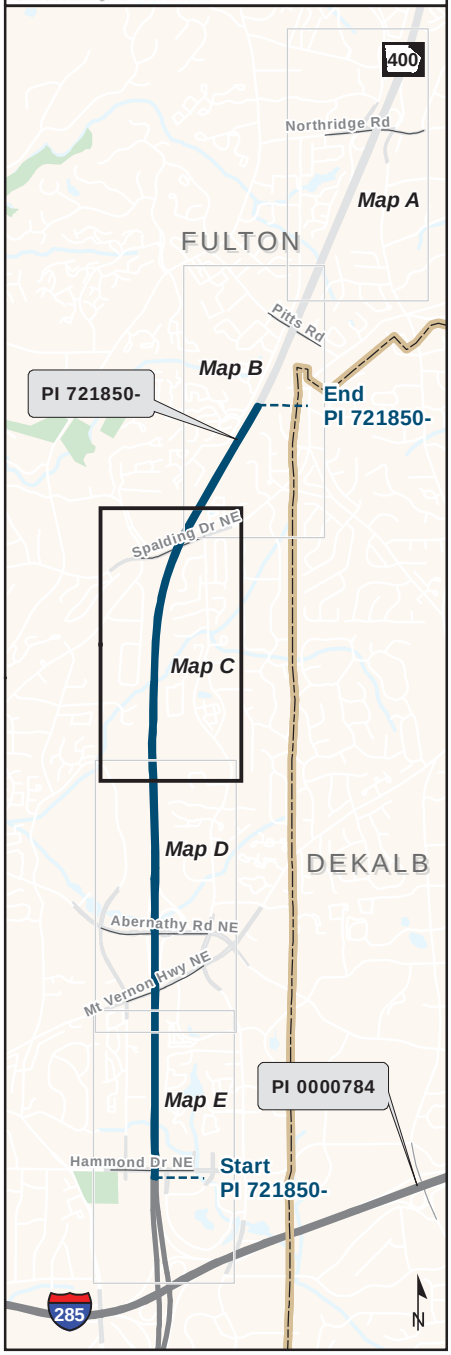
- A/B
- C
- D
- E
- F
- Arterial Links

LOS Segment Type

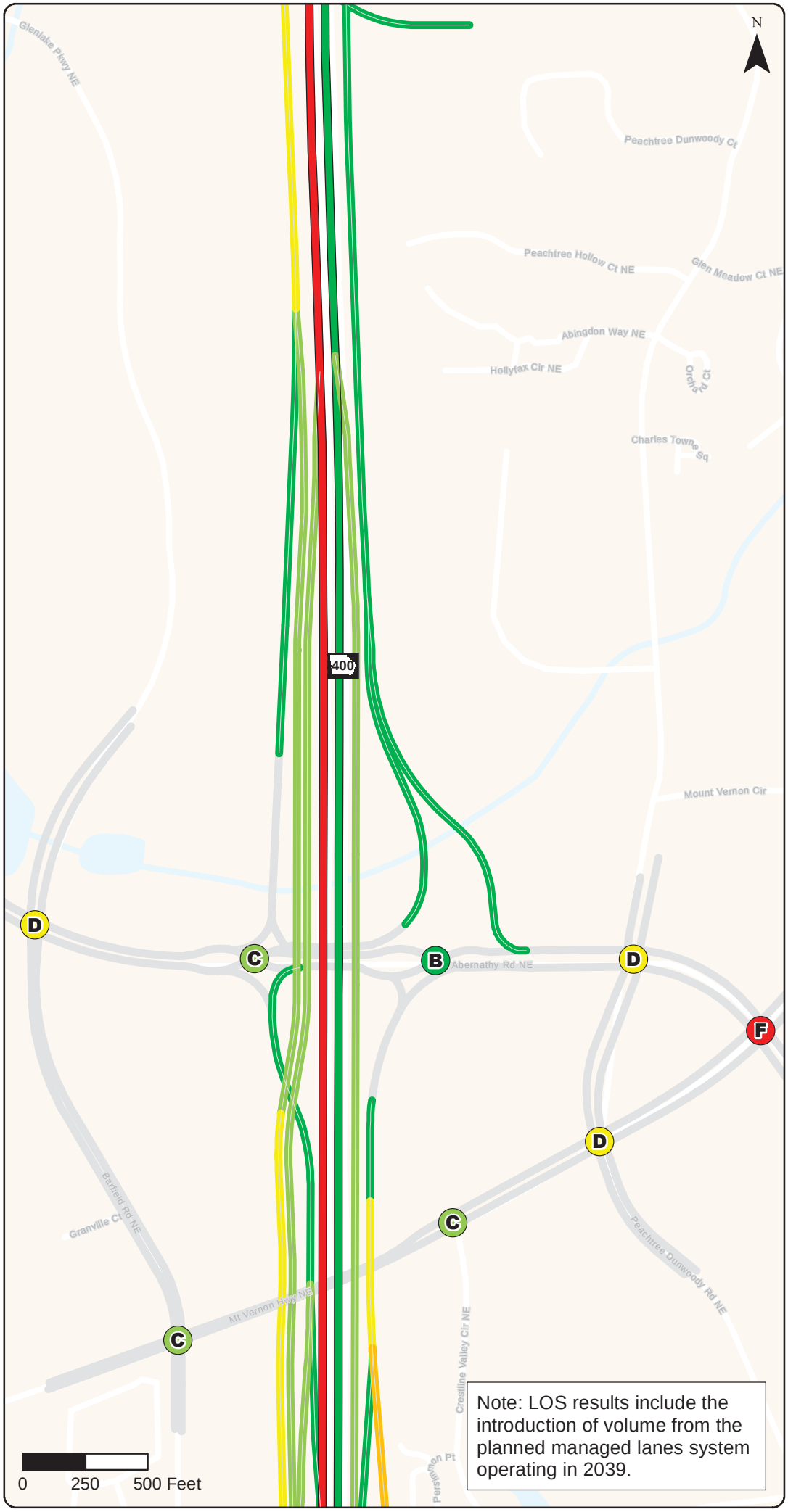
- Mainline Link (Density)
- CD/Ramp Link (Density)
- Intersection (Delay)

Kimley»Horn

Project: PI 721850-



2039 DESIGN YEAR AM PEAK LEVEL OF SERVICE DIAGRAM MAP D



Note: LOS results include the introduction of volume from the planned managed lanes system operating in 2039.

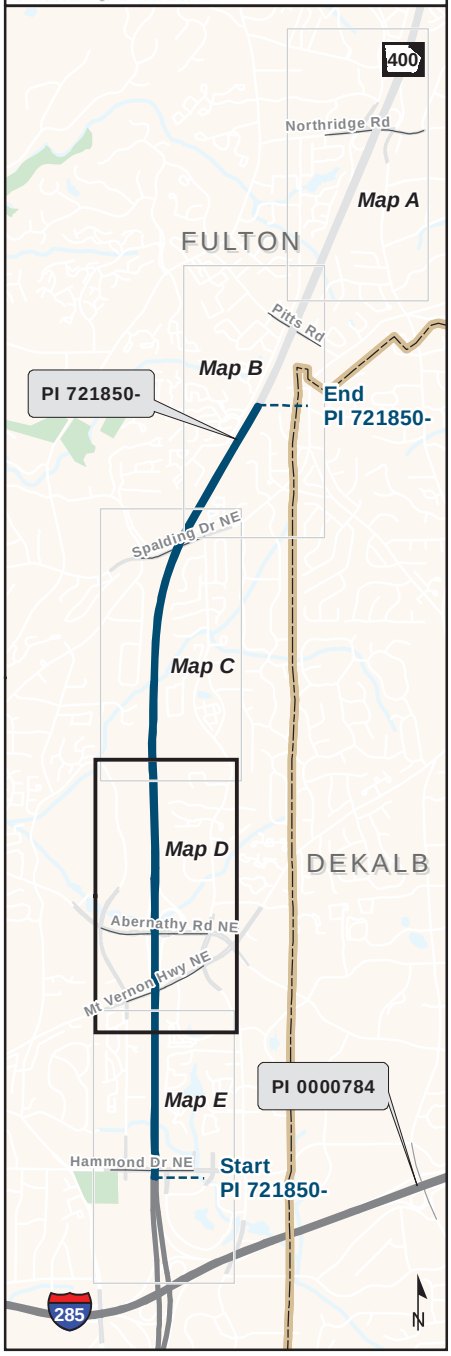
Level-of-Service (LOS)

- A/B
- C
- D
- E
- F
- Arterial Links

LOS Segment Type

- Mainline Link (Density)
- CD/Ramp Link (Density)
- Intersection (Delay)

Kimley»Horn Project: PI 721850-



2039 DESIGN YEAR AM PEAK LEVEL OF SERVICE DIAGRAM MAP E

Level-of-Service (LOS)

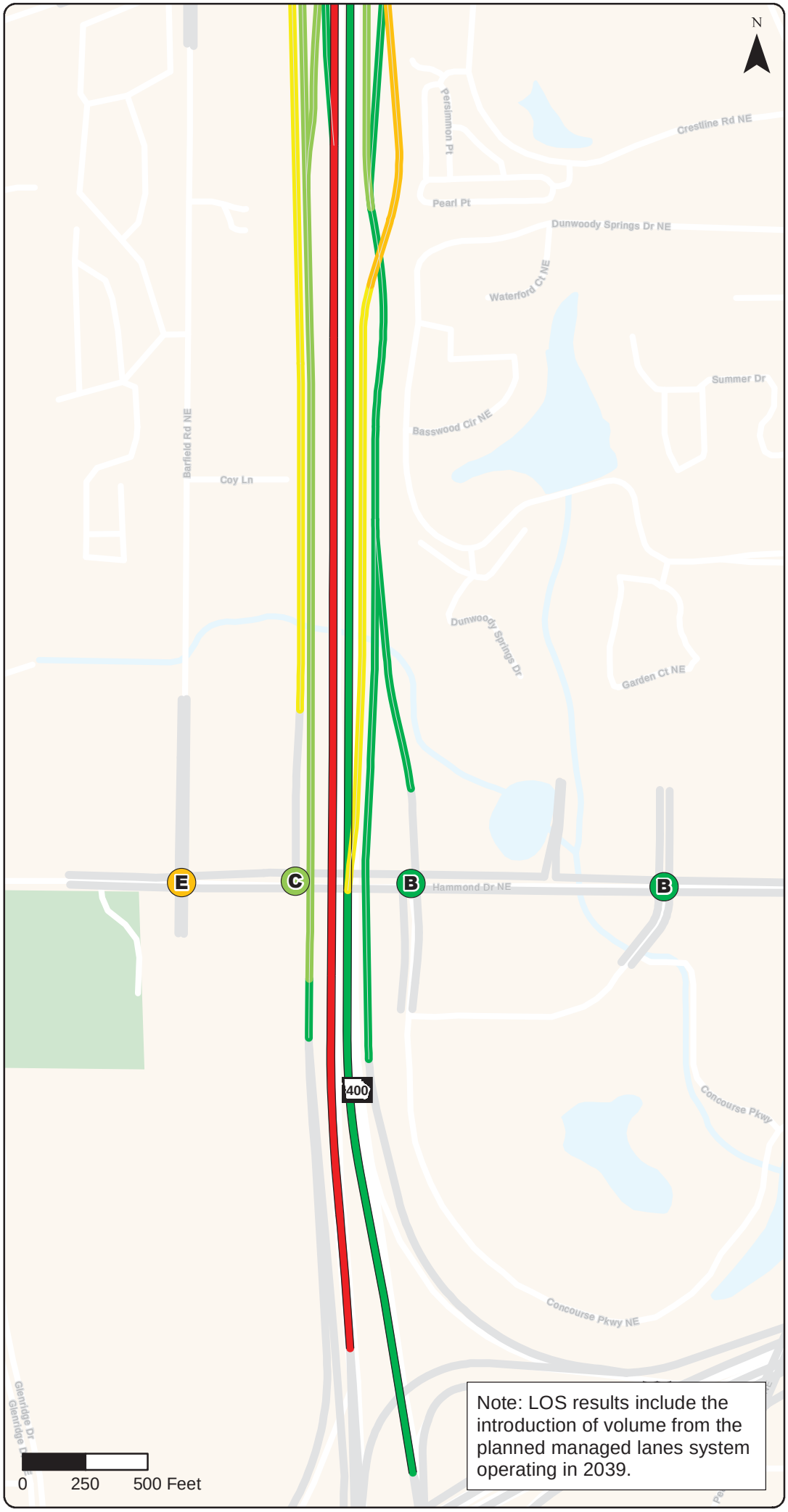
- A/B
- C
- D
- E
- F
- Arterial Links

LOS Segment Type

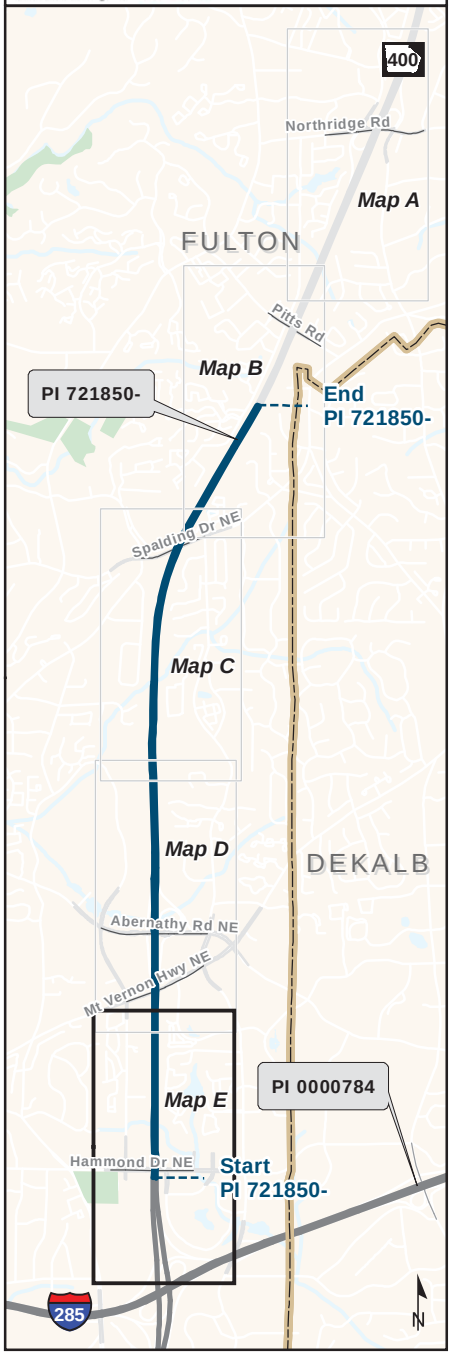
- Mainline Link (Density)
- CD/Ramp Link (Density)
- Intersection (Delay)

Kimley»Horn

Project: PI 721850-



Note: LOS results include the introduction of volume from the planned managed lanes system operating in 2039.



2039 DESIGN YEAR PM PEAK LEVEL OF SERVICE DIAGRAM MAP A

Level-of-Service (LOS)

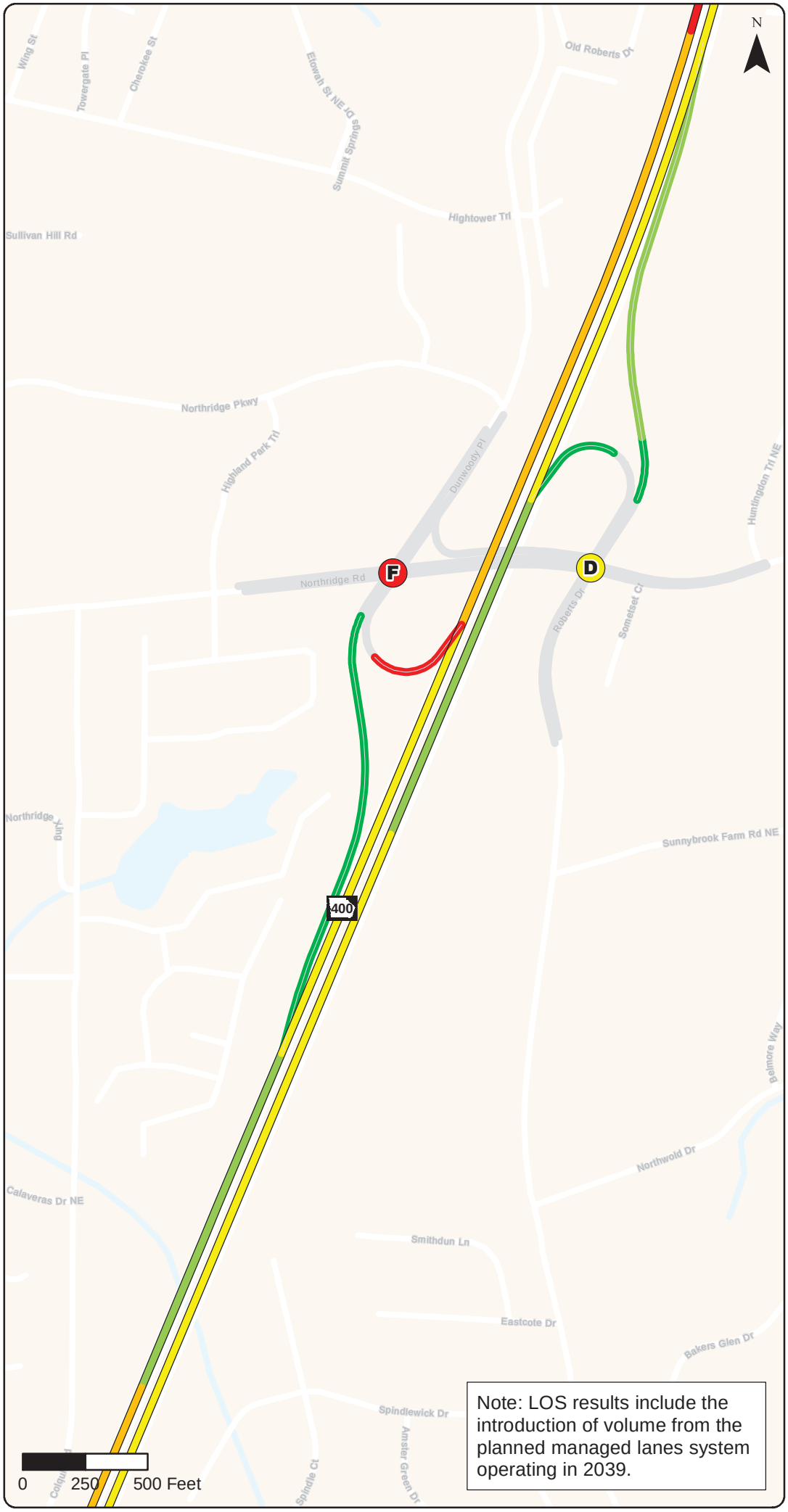
- A/B
- C
- D
- E
- F
- Arterial Links

LOS Segment Type

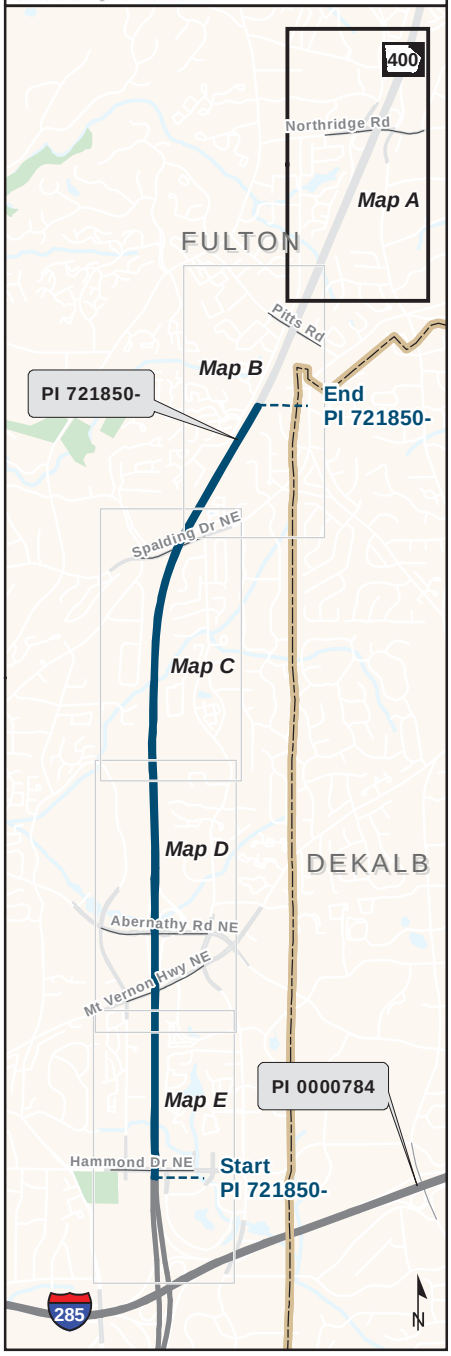
- Mainline Link (Density)
- CD/Ramp Link (Density)
- Intersection (Delay)

Kimley»Horn

Project: PI 721850-



Note: LOS results include the introduction of volume from the planned managed lanes system operating in 2039.



2039 DESIGN YEAR PM PEAK LEVEL OF SERVICE DIAGRAM MAP B

Level-of-Service (LOS)

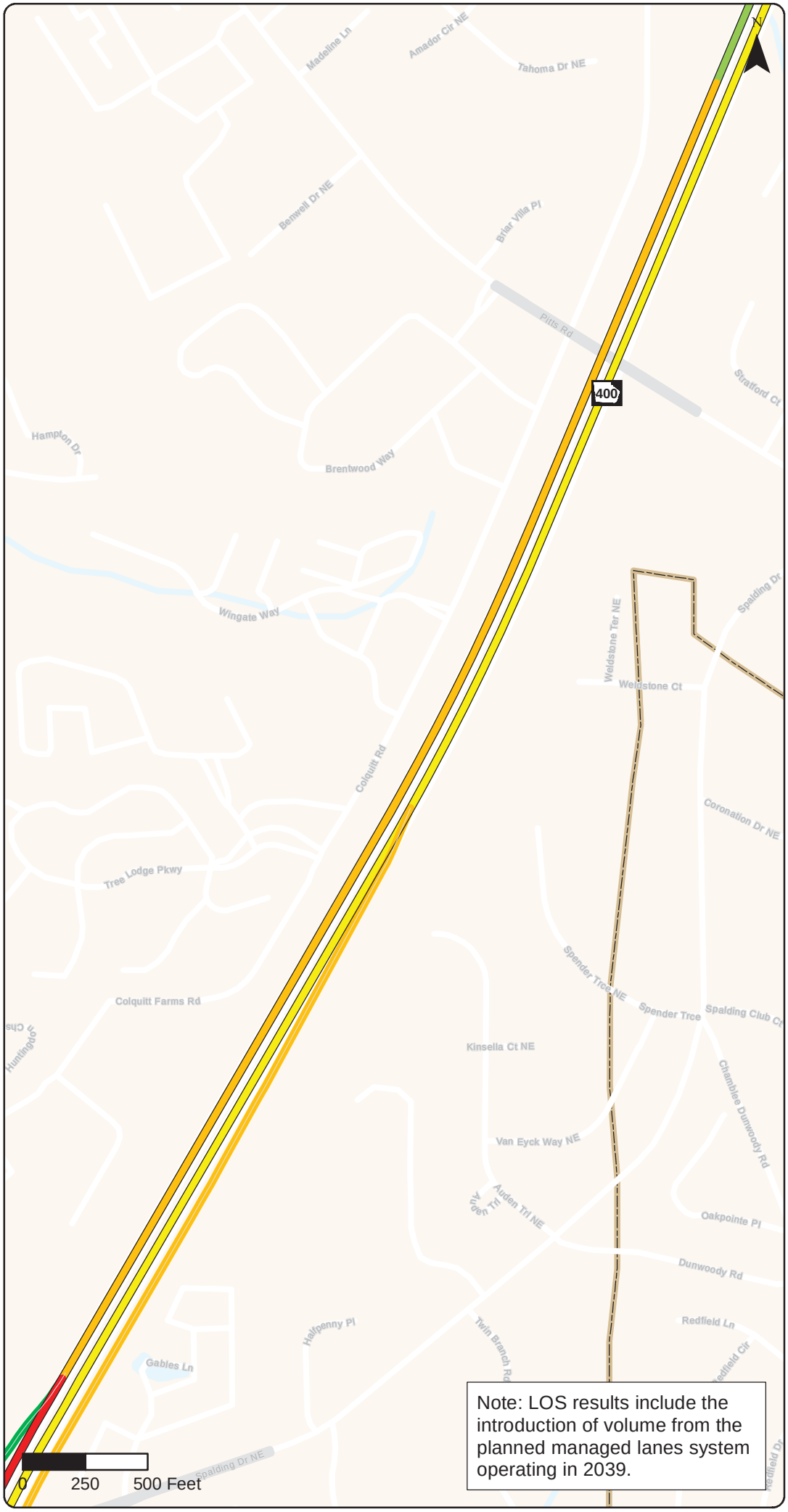
- A/B
- C
- D
- E
- F
- Arterial Links

LOS Segment Type

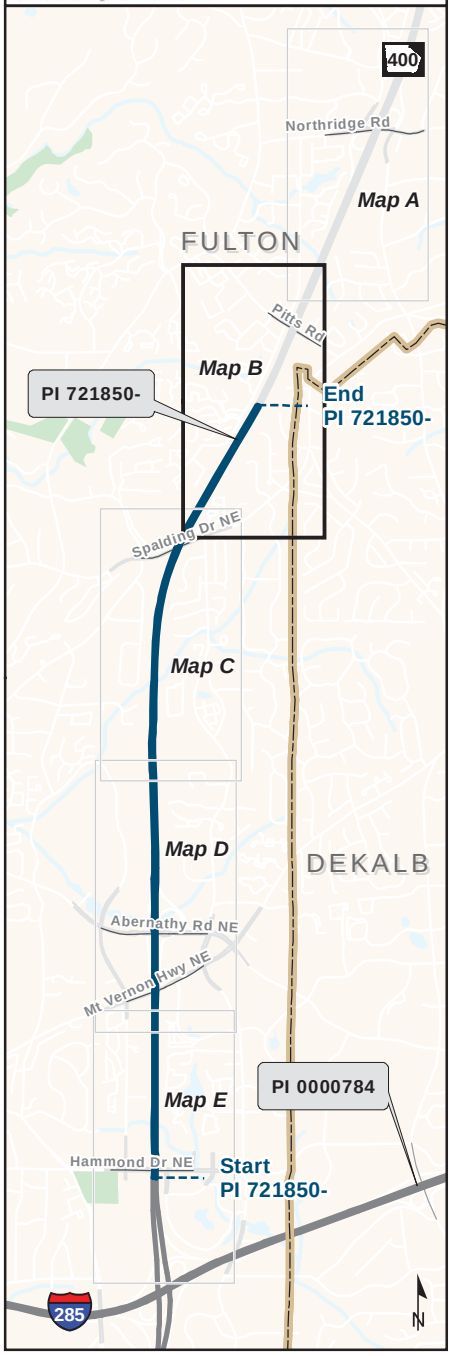
- Mainline Link (Density)
- CD/Ramp Link (Density)
- Intersection (Delay)

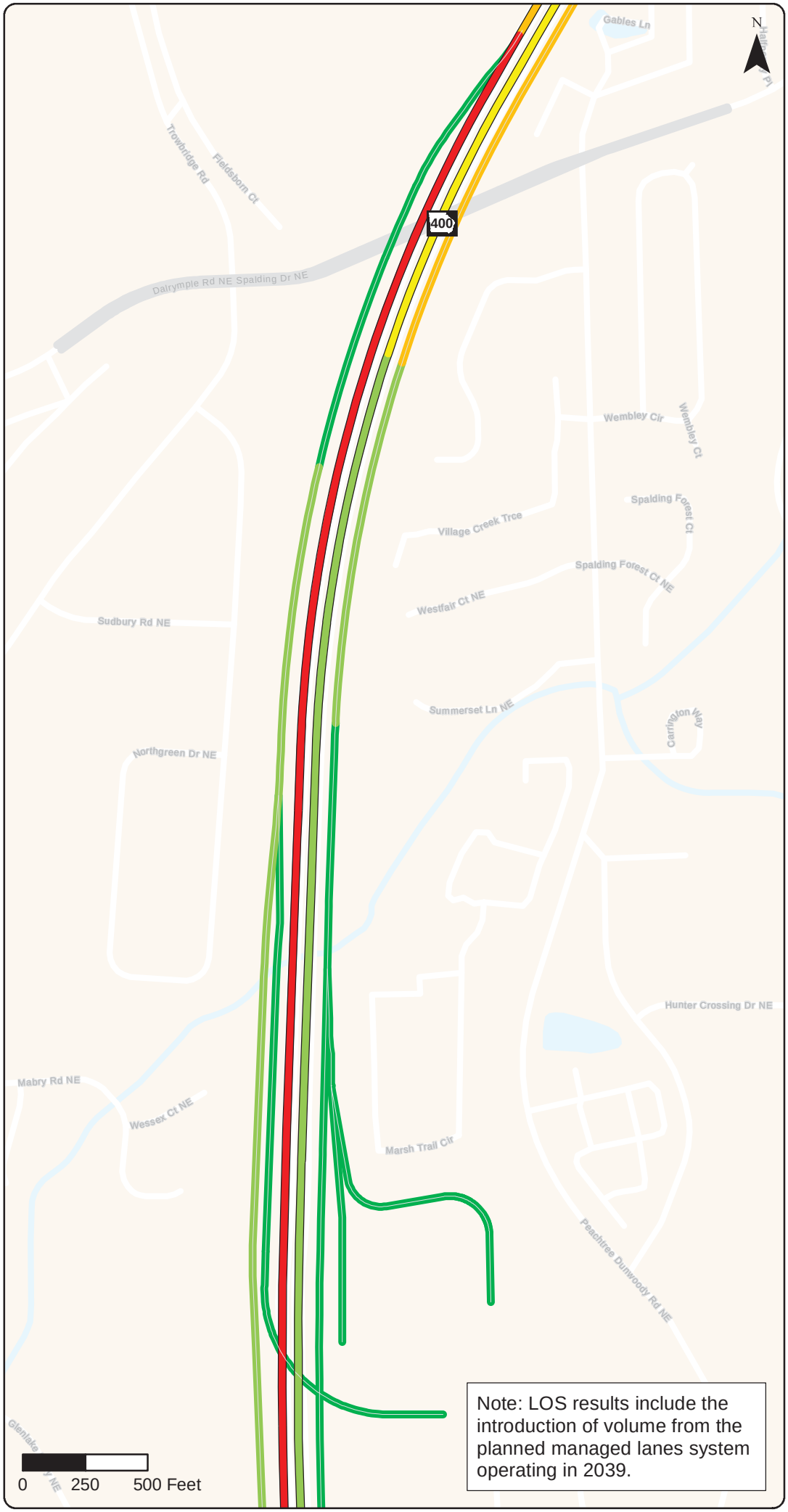
Kimley»Horn

Project: PI 721850-



Note: LOS results include the introduction of volume from the planned managed lanes system operating in 2039.





Note: LOS results include the introduction of volume from the planned managed lanes system operating in 2039.

2039 DESIGN YEAR PM PEAK LEVEL OF SERVICE DIAGRAM MAP C

Level-of-Service (LOS)

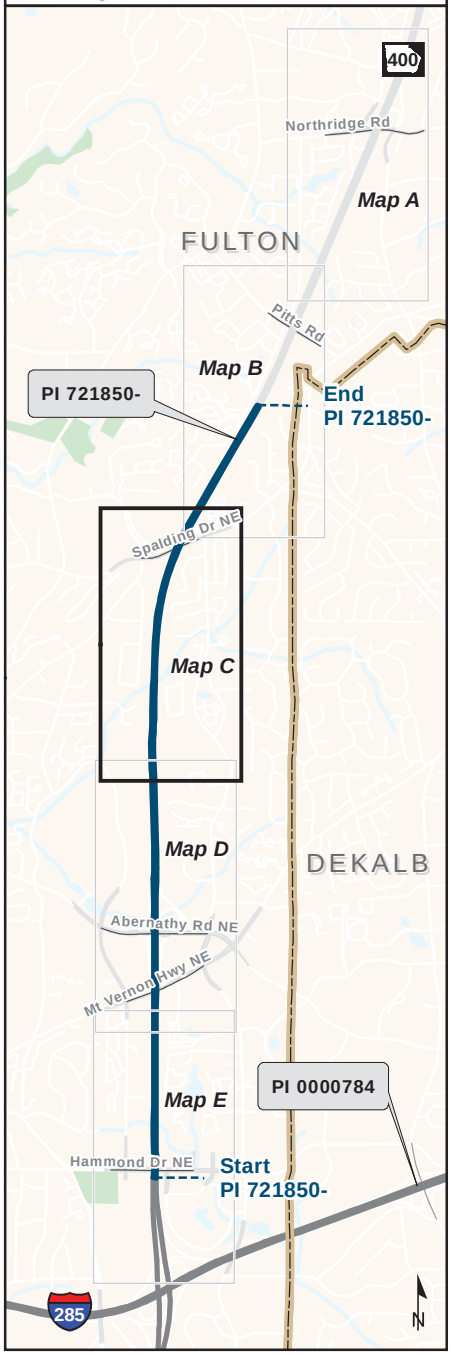
- A/B
- C
- D
- E
- F
- Arterial Links

LOS Segment Type

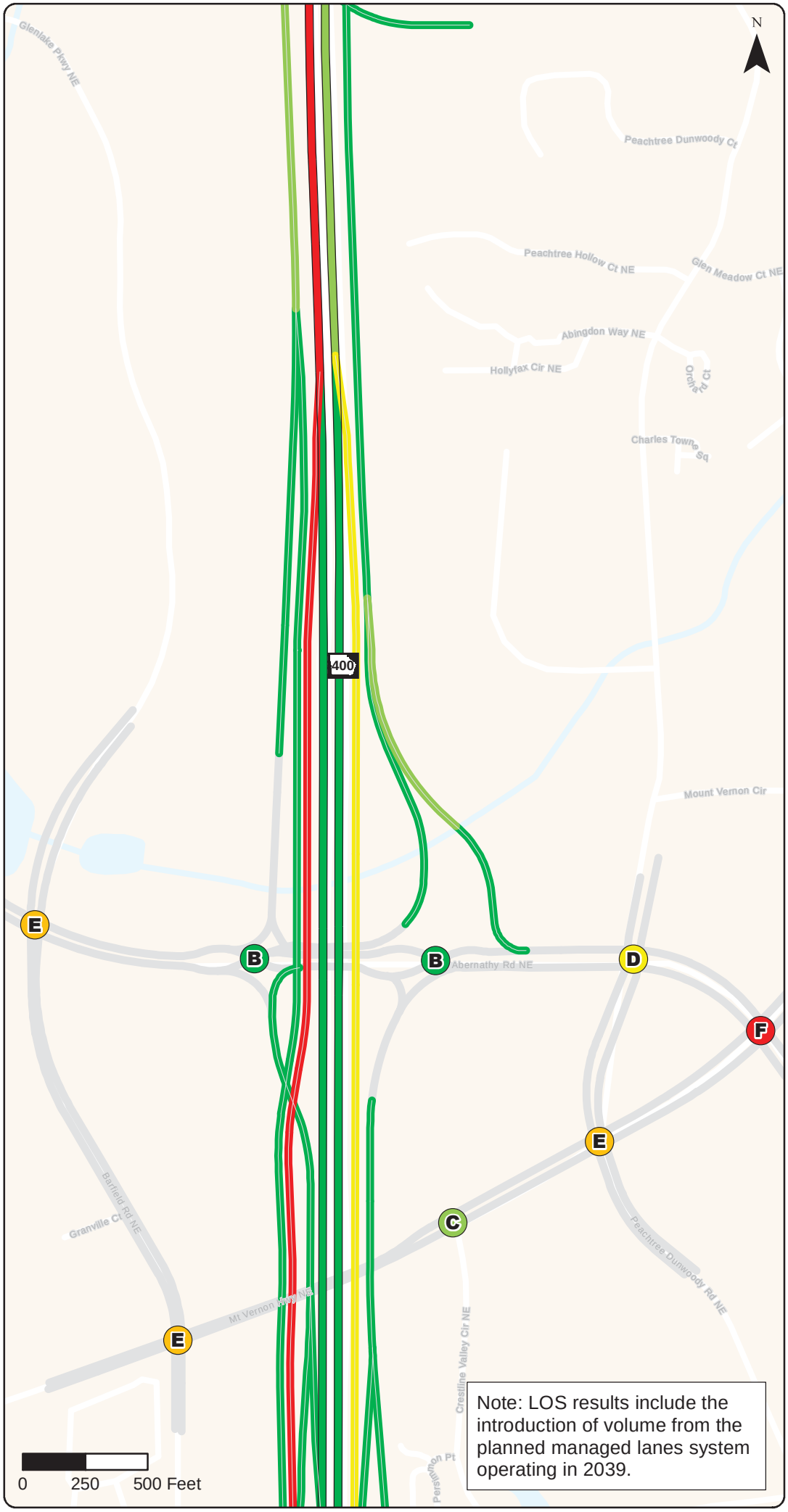
- Mainline Link (Density)
- CD/Ramp Link (Density)
- Intersection (Delay)

Kimley»Horn

Project: PI 721850-



2039 DESIGN YEAR PM PEAK LEVEL OF SERVICE DIAGRAM MAP D



Note: LOS results include the introduction of volume from the planned managed lanes system operating in 2039.

Level-of-Service (LOS)

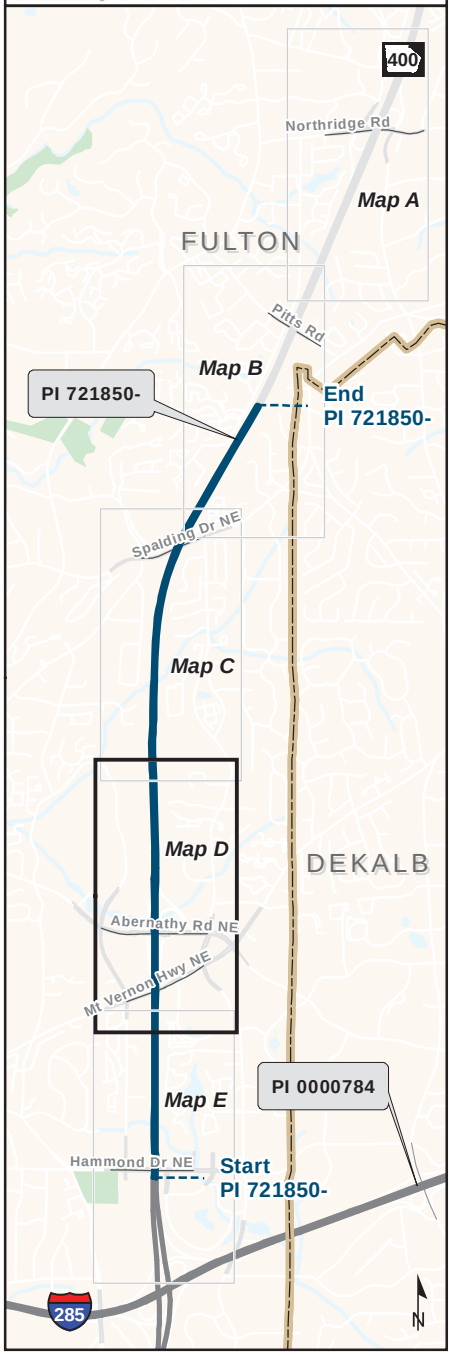
- A/B
- C
- D
- E
- F
- Arterial Links

LOS Segment Type

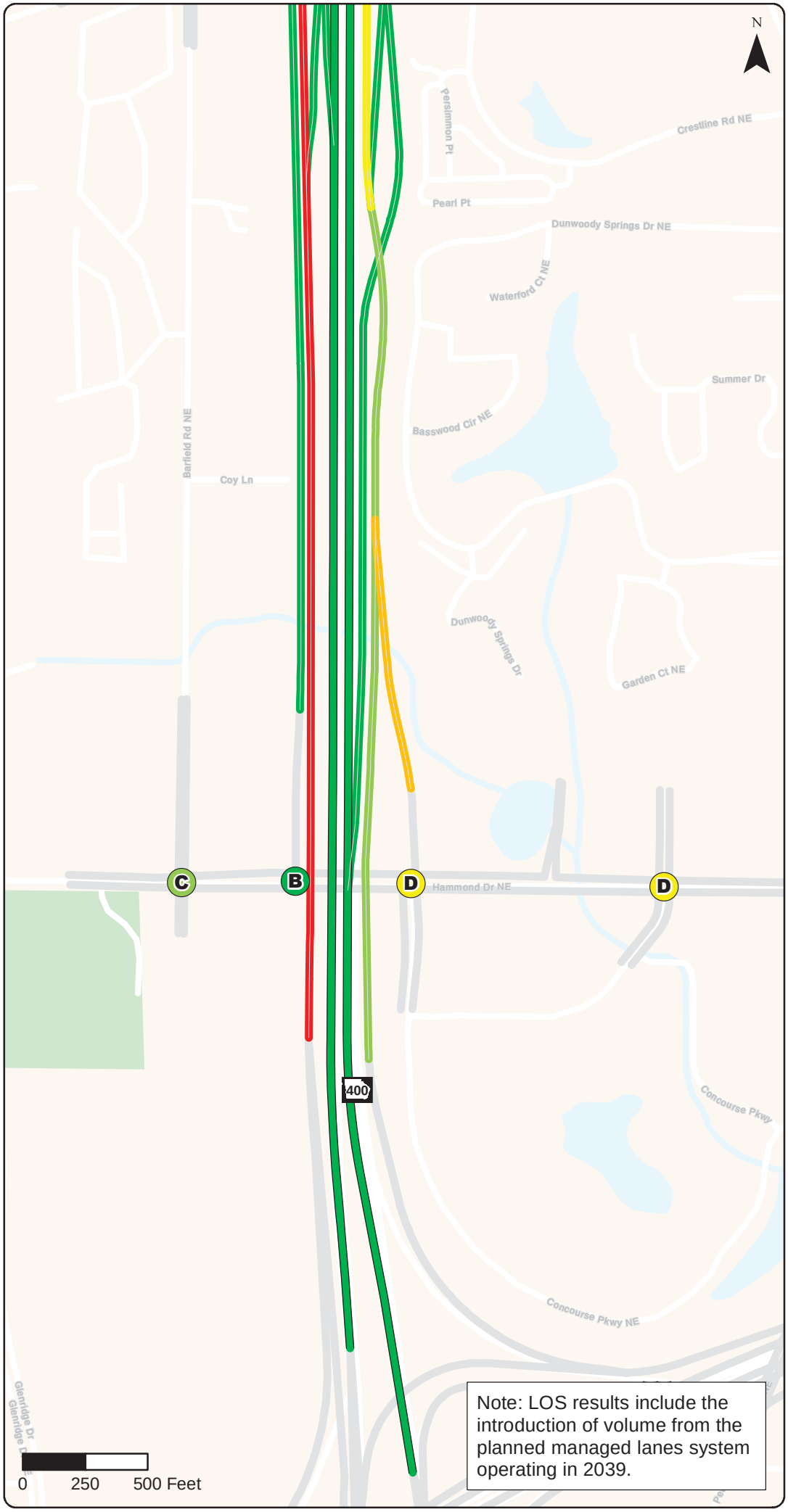
- Mainline Link (Density)
- CD/Ramp Link (Density)
- Intersection (Delay)

Kimley»Horn

Project: PI 721850-



2039 DESIGN YEAR PM PEAK LEVEL OF SERVICE DIAGRAM MAP E



Note: LOS results include the introduction of volume from the planned managed lanes system operating in 2039.

Level-of-Service (LOS)

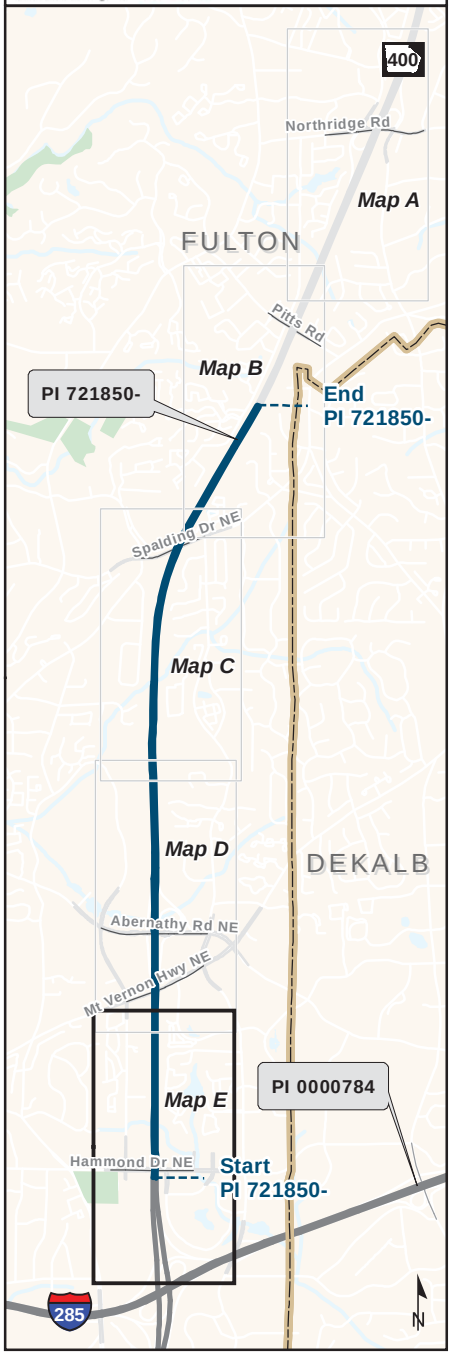
- A/B
- C
- D
- E
- F
- Arterial Links

LOS Segment Type

- Mainline Link (Density)
- CD/Ramp Link (Density)
- Intersection (Delay)

Kimley»Horn

Project: PI 721850-



ATTACHMENT 7

2039 COMPARISON OF DDI AND SPUI ALTERNATIVES

Table 1a: 2039 AM Overall Peak Hour Intersection Results (DDI)

East/West Street	North/South Street	Delay (sec)	LOS	# Vehicles
Abernathy Rd	GA 400 SB Ramps	24.6	C	6187
Abernathy Rd	GA 400 NB Ramps	17.5	B	6402
Abernathy Rd	Barfield Rd / Glenlake Pkwy	55.3	E	4765
Abernathy Rd	Peachtree Dunwoody Rd	40.7	D	6034

Table 1b: 2039 AM Overall Peak Hour Intersection Results (1998 Concept SPUI)

East/West Street	North/South Street	Delay (sec)	LOS	# Vehicles
Abernathy Rd	GA 400 SB Ramps	139.2	F	5818
Abernathy Rd	GA 400 NB Ramps	87.7	F	6080
Abernathy Rd	Barfield Rd / Glenlake Pkwy	49.8	D	4901
Abernathy Rd	Peachtree Dunwoody Rd	40.2	D	5679

Table 2: 2039 AM Peak Hour Intersection Results by Movement (DDI)										
Name		Movement	Delay (sec)	LOS	Simulated Volume	Actual Volume	Approach	Delay (sec)	LOS	# Vehicles
Abernathy Rd	GA 400 SB Ramps	SBLT	13.6	B	1250	1555	SB	18.3	B	1869
		SBRT	27.7	C	618	760				
		EB THRU	52.2	D	1075	1160	EB	48.1	D	2160
		EBRT	44.1	D	1085	1185				
		WBLT	5.1	A	879	880	WB	6.5	A	2158
		WB THRU	7.4	A	1279	1575				
Abernathy Rd	GA 400 NB Ramps	NBLT	18.4	B	1028	1115	NB	25.3	C	2379
		NBRT	30.6	C	1351	1505				
		EBLT	0.6	A	328	365	EB	14.4	B	2322
		EB THRU	16.7	B	1994	2350				
		WB THRU	15.8	B	1131	1340	WB	10.8	B	1700
		WBRT	0.8	A	569	695				
Abernathy Rd	Barfield Rd / Glenlake Pkwy	NBLT	170.3	F	49	45	NB	61.8	E	337
		NB THRU	44.3	D	198	200				
		NBRT	41.6	D	91	95				
		SBLT	70.0	E	253	255	SB	61.5	E	378
		SB THRU	51.6	D	105	105				
		SBRT	5.3	A	20	20				
		EBLT	120.5	F	133	140	EB	65.4	E	2163
		EB THRU	63.0	E	1818	1995				
		EBRT	51.7	D	212	250				
		WBLT	120.3	F	87	105	WB	41.1	D	1887
		WB THRU	36.1	D	670	810				
		WBRT	37.9	D	1130	1420				
Abernathy Rd	Peachtree Dunwoody Rd	NBLT	59.3	E	99	205	NB	43.8	D	478
		NB THRU	41.2	D	364	385				
		NBRT	3.5	A	14	15				
		SBLT	68.3	E	191	185	SB	34.5	C	983
		SB THRU	44.4	D	264	270				
		SBRT	17.3	B	528	530				
		EBLT	61.6	E	787	925	EB	31.5	C	3343
		EB THRU	26.8	C	1984	2265				
		EBRT	6.3	A	573	665				
		WBLT	118.3	F	12	15	WB	69.3	E	1230
		WB THRU	71.6	E	1076	1300				
		WBRT	47.9	D	142	185				

Table 3: 2039 AM Peak Hour Intersection Results by Movement (1998 Concept SPUI)										
Name		Movement	Delay (sec)	LOS	Simulated Volume	Actual Volume	Approach	Delay (sec)	LOS	# Vehicles
Abernathy Rd	GA 400 SB Ramps	SBLT	388.3	F	946	1555	SB	489.6	F	1422
		SBRT	690.8	F	476	760				
		EB THRU	61.8	E	1130	1160	EB	44.5	D	2288
		EBRT	27.7	C	1158	1185				
		WB THRU	9.6	A	1404	1575	WB	9.6	A	1404
Abernathy Rd	GA 400 NB Ramps	NBLT	143.4	F	1028	1115	NB	203.5	F	2364
		NBRT	249.7	F	1335	1505				
		EBLT	1.6	A	351	365	EB	2.2	A	2072
		EB THRU	2.3	A	1721	2350				
		WB THRU	42.9	D	1079	1340	WB	29.3	C	1645
		WBRT	3.3	A	565	695				
Abernathy Rd	Barfield Rd / Glenlake Pkwy	NBLT	161.7	F	48	45	NB	76.8	E	336
		NB THRU	66.7	E	198	200				
		NBRT	54.3	D	90	95				
		SBLT	66.4	E	254	255	SB	59.0	E	378
		SB THRU	51.2	D	103	105				
		SBRT	6.1	A	21	20				
		EBLT	113.4	F	136	140	EB	51.9	D	2316
		EB THRU	49.1	D	1945	1995				
		EBRT	39.3	D	235	250				
		WBLT	113.6	F	82	105	WB	40.4	D	1871
		WB THRU	42.0	D	624	810				
		WBRT	34.3	C	1166	1420				
Abernathy Rd	Peachtree Dunwoody Rd	NBLT	49.7	D	101	205	NB	42.4	D	484
		NB THRU	42.2	D	367	385				
		NBRT	3.7	A	17	15				
		SBLT	66.3	E	184	185	SB	35.2	D	982
		SB THRU	47.2	D	270	270				
		SBRT	18.2	B	527	530				
		EBLT	54.9	D	727	925	EB	29.5	C	3047
		EB THRU	26.4	C	1789	2265				
		EBRT	5.4	A	532	665				
		WBLT	100.6	F	14	15	WB	71.4	E	1166
		WB THRU	74.1	E	1018	1300				
		WBRT	48.0	D	134	185				

Table 4a: 2039 PM Overall Peak Hour Intersection Results (DDI)

East/West Street	North/South Street	Delay (sec)	LOS	# Vehicles
Abernathy Rd	GA 400 SB Ramps	19.6	B	5124
Abernathy Rd	GA 400 NB Ramps	12.3	B	5393
Abernathy Rd	Barfield Rd / Glenlake Pkwy	75.1	E	4503
Abernathy Rd	Peachtree Dunwoody Rd	51.0	D	5419

Table 4b: 2039 PM Overall Peak Hour Intersection Results (1998 Concept SPUI)

East/West Street	North/South Street	Delay (sec)	LOS	# Vehicles
Abernathy Rd	GA 400 SB Ramps	24.0	C	5028
Abernathy Rd	GA 400 NB Ramps	20.6	C	5341
Abernathy Rd	Barfield Rd / Glenlake Pkwy	72.0	E	4598
Abernathy Rd	Peachtree Dunwoody Rd	49.2	D	5357

Table 5: 2039 PM Peak Hour Intersection Results by Movement (DDI)										
Name		Movement	Delay (sec)	LOS	Simulated Volume	Actual Volume	Approach	Delay (sec)	LOS	# Vehicles
Abernathy Rd	GA 400 SB Ramps	SBLT	13.0	B	681	720	SB	22.9	C	1414
		SBRT	32.1	C	733	770				
		EB THRU	38.7	D	1179	1340	EB	26.3	C	1894
		EBRT	5.8	A	714	795				
		WBLT	2.2	A	580	880	WB	10.1	B	1816
		WB THRU	13.8	B	1236	1545				
Abernathy Rd	GA 400 NB Ramps	NBLT	25.3	C	594	590	NB	16.9	B	1143
		NBRT	7.9	A	549	570				
		EBLT	0.8	A	602	685	EB	16.7	B	1854
		EB THRU	24.3	C	1253	1375				
		WB THRU	12.8	B	1218	1835	WB	6.7	A	2395
		WBRT	0.4	A	1177	1745				
Abernathy Rd	Barfield Rd / Glenlake Pkwy	NBLT	67.2	E	171	180	NB	58.1	E	503
		NB THRU	79.3	E	105	110				
		NBRT	41.5	D	226	255				
		SBLT	215.6	F	595	810	SB	255.8	F	848
		SB THRU	393.2	F	133	190				
		SBRT	302.9	F	120	165				
		EBLT	86.2	F	29	30	EB	27.9	C	1189
		EB THRU	27.8	C	1069	1070				
		EBRT	10.3	B	90	90				
		WBLT	89.8	F	181	225	WB	30.1	C	1964
		WB THRU	24.5	C	1622	1935				
		WBRT	19.7	B	160	155				
Abernathy Rd	Peachtree Dunwoody Rd	NBLT	65.9	E	331	835	NB	61.0	E	854
		NB THRU	59.4	E	507	595				
		NBRT	12.8	B	17	20				
		SBLT	88.0	F	216	220	SB	47.6	D	1193
		SB THRU	66.9	E	277	275				
		SBRT	27.4	C	700	700				
		EBLT	104.0	F	315	350	EB	51.9	D	1799
		EB THRU	50.1	D	1174	1270				
		EBRT	5.8	A	309	325				
		WBLT	110.9	F	10	15	WB	47.0	D	1573
		WB THRU	49.2	D	1367	2045				
		WBRT	28.4	C	197	310				

Table 6: 2039 PM Peak Hour Intersection Results by Movement (1998 Concept SPUI)										
Name		Movement	Delay (sec)	LOS	Simulated Volume	Actual Volume	Approach	Delay (sec)	LOS	# Vehicles
Abernathy Rd	GA 400 SB Ramps	SBLT	24.5	C	566	720	SB	38.7	D	1127
		SBRT	53.0	D	562	770				
		EB THRU	45.0	D	1197	1340	EB	30.8	C	1915
		EBRT	7.0	A	719	795				
		WB THRU	12.2	B	1474	1545	WB	12.2	B	1474
Abernathy Rd	GA 400 NB Ramps	NBLT	31.0	C	584	590	NB	40.1	E	1148
		NBRT	49.4	D	564	570				
		EBLT	1.4	A	619	685	EB	1.3	A	1763
		EB THRU	1.2	A	1144	1375				
		WB THRU	40.7	D	1404	1835	WB	25.4	C	2430
		WBRT	4.6	A	1026	1745				
Abernathy Rd	Barfield Rd / Glenlake Pkwy	NBLT	67.1	E	175	180	NB	58.9	E	544
		NB THRU	81.0	F	108	110				
		NBRT	44.3	D	261	255				
		SBLT	215.5	F	587	810	SB	246.7	F	834
		SB THRU	363.0	F	128	190				
		SBRT	275.4	F	119	165				
		EBLT	98.0	F	28	30	EB	27.8	C	1189
		EB THRU	27.7	C	1066	1070				
		EBRT	9.1	A	95	90				
		WBLT	99.0	F	202	225	WB	29.5	C	2031
		WB THRU	23.0	C	1691	1935				
		WBRT	7.2	A	138	155				
Abernathy Rd	Peachtree Dunwoody Rd	NBLT	66.9	E	339	835	NB	65.3	E	873
		NB THRU	66.2	E	515	595				
		NBRT	17.4	B	20	20				
		SBLT	91.1	F	215	220	SB	49.0	D	1191
		SB THRU	69.7	E	275	275				
		SBRT	27.9	C	700	700				
		EBLT	102.4	F	309	350	EB	43.2	D	1699
		EB THRU	36.7	D	1110	1270				
		EBRT	3.2	A	280	325				
		WBLT	120.3	F	11	15	WB	47.0	D	1595
		WB THRU	48.6	D	1393	2045				
		WBRT	30.8	C	191	310				

Table 1: 2039 Average Travel Time (s)

Movement		AM			PM		
From	To	No Build	DDI	SPUI	No Build	DDI	SPUI
NB 400 near Hammond On-Ramp	WB Abernathy east of Barfield	1052	118	229	419	126	134
NB 400 near Hammond On-Ramp	EB Abernathy west of Peachtree Dunwoody	287	113	320	105	86	124
WB Abernathy west of Peachtree Dunwoody	WB Abernathy east of Barfield	79	52	79	103	55	70
EB Abernathy east of Barfield	EB Abernathy west of Peachtree Dunwoody	88	111	83	115	80	72
WB Abernathy west of Peachtree Dunwoody	NB 400 On-Ramp	153	50	72	90	44	77
EB Abernathy east of Barfield	NB 400 On-Ramp	156	77	113	185	84	78
WB Abernathy west of Peachtree Dunwoody	SB 400 On-Ramp	22	21	29	27	22	31
EB Abernathy east of Barfield	SB 400 On-Ramp	105	68	56	56	28	33
SB 400 near MARTA Off-Ramp	EB Abernathy west of Peachtree Dunwoody	1009	113	477	>1800	127	130
SB 400 near MARTA Off-Ramp	WB Abernathy east of Barfield	1146	107	760	>1800	110	129

ATTACHMENT 8

ORIGIN/DESTINATION STUDY – SR 400 SOUTHBOUND TO GLENLAKE PARKWAY NORTHBOUND VIA ABERNATHY ROAD

GA 400 SB to Glenlake NB via Abernathy
OD study

Thursday September 25, 2014

Turning Movement Counts

	Glenlake Pkwy Northbound					Glenlake Pkwy Southbound					Abernathy Rd Eastbound					Abernathy Rd Westbound					
Start Time	Left	Thru	Rgt	Peds	App. Total	Left	Thru	Rgt	Peds	App. Total	Left	Thru	Rgt	Peds	App. Total	Left	Thru	Rgt	Peds	App. Total	Int. Total
6:00 AM	2	2	0	0	4	4	1	1	0	6	3	112	5	0	120	1	59	58	0	118	248
6:15 AM	0	0	5	0	5	12	1	0	0	13	6	136	10	0	152	9	84	109	0	202	372
6:30 AM	4	8	6	0	18	18	3	2	0	23	11	210	15	0	236	7	83	149	0	239	516
6:45 AM	5	15	6	0	26	26	2	3	0	31	18	326	19	0	363	6	99	179	0	284	704
Total	11	25	17	0	53	60	7	6	0	73	38	784	49	0	871	23	325	495	0	843	1840
7:00 AM	4	13	6	0	23	45	9	3	0	57	29	368	31	0	428	12	119	202	0	333	841
7:15 AM	7	17	8	0	32	55	9	6	0	70	31	402	38	0	471	25	168	218	0	411	984
7:30 AM	5	26	14	0	45	68	15	2	0	85	32	464	40	1	536	31	202	288	1	521	1187
7:45 AM	15	32	14	1	61	49	22	3	0	74	24	456	37	0	517	17	150	300	1	467	1119
Total	31	88	42	1	161	217	55	14	0	286	116	1690	146	1	1952	85	639	1008	2	1732	4131
8:00 AM	6	19	15	0	40	80	21	3	1	104	32	452	56	0	540	20	150	305	0	475	1159
8:15 AM	11	25	11	0	47	65	18	5	0	88	33	402	47	1	482	26	146	259	0	431	1048
8:30 AM	6	33	15	0	54	57	19	4	1	80	39	445	50	0	534	20	153	228	1	401	1069
8:45 AM	5	22	12	1	39	49	26	6	1	81	22	402	36	0	460	29	163	207	0	399	979
Total	28	99	53	1	180	251	84	18	3	353	126	1701	189	1	2016	95	612	999	1	1706	4255

	Glenlake Pkwy Northbound					Glenlake Pkwy Southbound					South Entrance Of Glenlake Eastbound					South Entrance Of Glenlake Westbound					
Start Time	Left	Thru	Rgt	Peds	App. Total	Left	Thru	Rgt	Peds	App. Total	Left	Thru	Rgt	Peds	App. Total	Left	Thru	Rgt	Peds	App. Total	Int. Total
6:00 AM	16	36	15	0	67	0	6	0	0	6	0	0	0	1	0	0	0	0	0	0	73
6:15 AM	18	74	23	1	115	0	11	1	0	12	0	0	2	0	2	0	0	0	1	0	129
6:30 AM	34	95	37	2	166	3	19	1	0	23	1	1	4	1	6	0	0	0	1	0	195
6:45 AM	37	120	56	0	213	5	27	3	1	35	0	0	5	0	5	0	0	0	0	0	253
Total	105	325	131	3	561	8	63	5	1	76	1	1	11	2	13	0	0	0	2	0	650
7:00 AM	49	110	78	0	237	4	44	6	0	54	0	0	9	0	9	0	0	0	0	0	300
7:15 AM	44	144	79	0	267	12	69	0	1	81	1	0	3	0	4	0	0	0	0	0	352
7:30 AM	52	199	91	0	342	14	79	4	0	97	0	0	4	0	4	0	0	0	0	0	443
7:45 AM	44	210	102	0	356	18	82	7	2	107	0	0	7	0	7	0	0	0	0	0	470
Total	189	663	350	0	1202	48	274	17	3	339	1	0	23	0	24	0	0	0	0	0	1565
8:00 AM	51	179	123	0	353	18	88	4	0	110	0	0	5	1	5	0	0	0	0	0	468
8:15 AM	49	167	99	1	315	13	84	5	0	102	1	0	3	0	4	0	0	0	0	0	421
8:30 AM	56	140	100	0	296	10	73	1	0	84	1	0	7	0	8	0	0	0	0	0	388
8:45 AM	39	127	80	0	246	13	74	5	3	92	0	0	7	0	7	0	0	0	0	0	345
Total	195	613	402	1	1210	54	319	15	3	388	2	0	22	1	24	0	0	0	0	0	1622

	Glenlake Pkwy Northbound					Glenlake Pkwy Southbound					North Entrance Of Glenlake Eastbound					North Entrance Of Glenlake Westbound					
Start Time	Left	Thru	Rgt	Peds	App. Total	Left	Thru	Rgt	Peds	App. Total	Left	Thru	Rgt	Peds	App. Total	Left	Thru	Rgt	Peds	App. Total	Int. Total
6:00 AM	3	38	0	0	41	0	5	1	0	6	0	0	0	1	0	0	0	0	0	0	47
6:15 AM	2	68	0	0	70	0	12	4	0	16	0	0	0	0	0	2	0	1	1	3	89
6:30 AM	5	94	0	0	99	0	19	2	0	21	0	0	0	0	0	3	0	4	1	7	127
6:45 AM	5	115	0	0	120	0	33	2	0	35	0	0	0	0	0	1	0	1	0	2	157
Total	15	315	0	0	330	0	69	9	0	78	0	0	0	1	0	6	0	6	2	12	420
7:00 AM	9	101	0	0	110	0	48	2	0	50	0	0	1	0	1	7	0	0	0	7	168
7:15 AM	9	135	0	0	144	0	73	3	0	76	0	0	1	0	1	7	0	2	0	9	230
7:30 AM	17	183	0	0	200	0	90	5	0	95	1	0	0	0	1	9	0	2	0	11	307
7:45 AM	25	189	0	0	214	0	96	7	0	103	1	0	1	1	2	8	0	3	0	11	330
Total	60	608	0	0	668	0	307	17	0	324	2	0	3	1	5	31	0	7	0	38	1035
8:00 AM	20	158	0	0	178	0	103	6	0	109	1	0	0	4	1	7	0	2	0	9	297
8:15 AM	18	150	0	0	168	0	91	14	1	105	0	0	0	0	0	11	0	4	1	15	288
8:30 AM	23	110	0	0	133	0	77	12	0	89	0	0	1	0	1	6	0	2	0	8	231
8:45 AM	19	116	0	0	135	0	83	10	0	93	0	0	2	1	2	8	0	3	0	11	241
Total	80	534	0	0	614	0	354	42	1	396	1	0	3	5	4	32	0	11	1	43	1057

1) 7:30 to 8:30 AM - WBR from Abernathy to Glenlake Pkwy
1152

2) 7:30 to 8:30 AM - Traffic making U from GA 400 SBR to Abernathy WBR at Glenlake
241

3) 7:30 to 8:30 AM - % of Abernathy/Glenlake WBR coming from GA 400 SB
20.9%

OD Study

FROM	SR GA 400	SR GA 400	SR GA 400	TOTALS
TO	WR Abernathy Rd	WT Abernathy Rd	WL Abernathy Rd	
7:30 AM	75	24	7	106
7:45 AM	65	27	14	106
8:00 AM	57	25	12	94
8:15 AM	44	31	14	89

4) 7:30 to 8:30 AM - NB Split at driveway

	Abs	%
Left	196	14.3%
Thru	755	55.3%
Right	415	30.4%

Conclusion: Approximately 21% of the WBR from Abernathy to Glenlake Parkway comes from GA 400 SB. Of all traffic traveling NB to the first Glenlake driveway, over half goes through while approximately 15% turns left and 30% turns right.

ATTACHMENT 9

APPROVED NEED AND PURPOSE STATEMENT

(FROM 1996 ORIGINAL APPROVED CONCEPT REPORT)

Need and Purpose Statement
NH-056-1(52)
GaDOT P.I. : 721850
County Name : Fulton
Georgia 400/Abernathy Road Interchange Modification
and
Georgia 400/Hammond Drive Interchange Addition

Georgia 400 is a radial freeway providing service from the north Fulton County area to the Perimeter Center, Buckhead and downtown Atlanta areas. With the continuing growth of these areas the need to improve the efficiency of the access between Georgia 400 and the Perimeter Center area is becoming an urgent need. Currently, this access is provided by the Abernathy Road/Georgia 400 interchange. The Abernathy Road/Georgia 400 interchange is a partial cloverleaf with a loop ramp serving the northbound to westbound movement. The major traffic flows which must be served are associated with travel to and from the north. Consequently, the loop ramp does not serve the predominant movements, with both northbound and southbound ramp intersections currently requiring signalization. The capacity of the existing Abernathy Road interchange has been exceeded resulting in Georgia 400 exiting traffic queues extending into the mainline lanes during the peak hours. The current morning (A.M.) peak hour southbound exiting volumes exceed 2,300 vehicles. In fact, this volume level is experienced for a two hour period (7:00 A.M. - 9:00 A.M.). In the afternoon, northbound entrance ramp volumes currently exceed 2,100 vehicles per hour for a two hour period. These volumes are anticipated to increase to over 5,500 vehicles per hour exiting southbound during the morning peak and 5,400 vehicles per hour entering northbound during the afternoon peak.

The proposed project would modify the existing partial cloverleaf Abernathy Road/Georgia 400 interchange to a full urban interchange with triple left turn movements. In addition, a partial diamond interchange at Hammond Drive would be implemented serving traffic to and from the north. Included as part of these interchange improvements is the development of a collector/distributor roadway system to efficiently serve the merging and diverging traffic movements associated with the Abernathy Road and Hammond Drive interchanges. The collector/distributor roadway is proposed to be two lanes with auxiliary lanes in each direction beginning south of Hammond Drive and terminating north of Spalding Drive. The Georgia 400 mainline will remain four lanes in each direction. The termini of the project are logical since provision is made for the efficient dispersion of traffic to and from the Hammond Drive and Abernathy Road interchanges onto the collector/distributor roadway and subsequently onto Georgia 400.

The proposed project would provide the access required to efficiently and safely accommodate both the existing and the anticipated future traffic volumes. This increase in traffic operational efficiency will result in decreased congestion, delay and vehicle miles of travel in the area. In addition, overall traffic safety will be significantly improved by eliminating queuing of vehicles on the Georgia 400 mainline. The proposed project (FN-R-100) is part of the Transportation Improvement Program (FY 1995 - FY 2000) of the adopted Atlanta Regional Transportation Plan.