CITY OF MORROW, GEORGIA
MAYOR AND CITY COUNCIL MEMBERS

Mayor JB Burke
Mayor Pro Tem Hang Tran
Councilwoman Jeanell Bridges
Councilman Larry Ferguson
Councilman Christopher Mills

Regular Meeting

March 10, 2015	**Agenda**	**7:30 pm**
CALL TO ORDER:	Mayor Burke	
PLEDGE OF ALLEGIANCE:	All	
INVOCATION:	Mayor Burke	

1. ROLL CALL:

2. CONSENT AGENDA:

1. **Approval of February 24, 2015 Regular Meeting Minutes**
2. **Approval of February 28, 2015 Special Called Meeting Minutes**
3. **Approval of February 28, 2015 Executive Session Minutes**
4. **Approval of Fincher Denmark Williams & Minnifield, LLC invoice # 2505 dated February 11, 2015 in the amount of $12,919.07 for the period of Jan. 05, 2015 to Jan. 30, 2015.**

3. MEETING AGENDA:

1. Approval of March 10, 2015 Meeting Agenda.

4. REPORTS AND PRESENTATIONS:

1. Financial Report.

2. Special Presentation honoring Shirley Watterson for her service to the City on the Planning and Zoning Board.

5. PUBLIC HEARINGS:

BUS STOPS ORDINANCE

AN ORDINANCE TO AMEND TO THE CODE OF ORDINANCES, CITY OF MORROW, GEORGIA; TO CLARIFY PROVISIONS OF THE ZONING ORDINANCE REGARDING THE OPERATION OF BUS STOPS WITHIN THE CITY; TO PROVIDE FOR CODIFICATION; TO PROVIDE FOR SEVERABILITY; TO REPEAL CONFLICTING ORDINANCES; TO PROVIDE AN ADOPTION DATE; TO PROVIDE AN EFFECTIVE DATE; AND FOR OTHER PURPOSES ALLOWED BY LAW.

6. FIRST PRESENTATIONS:

1. AN ORDINANCE TO AMEND THE CODE OF ORDINANCES, CITY OF MORROW, GEORGIA; TO AMEND TITLE 4, PUBLIC SAFETY, CHAPTER 2, FIRE PREVENTION AND PROTECTION, ARTICLE C, FIRE PROTECTION SYSTEMS; TO PROVIDE CODIFICATION; TO PROVIDE FOR SEVERABILITY; TO REPEAL CONFLICTING ORDINANCES; TO PROVIDE AN ADOPTION DATE; TO PROVIDE AN EFFECTIVE DATE; AND FOR OTHER PURPOSES ALLOWED BY LAW. *1st reading*

2. AN ORDINANCE TO AMEND TO THE CODE OF ORDINANCES, CITY OF MORROW, GEORGIA; TO CLARIFY PROVISIONS OF THE ZONING ORDINANCE REGARDING THE OPERATION OF BUS STOPS WITHIN THE CITY; TO PROVIDE FOR CODIFICATION; TO PROVIDE FOR SEVERABILITY; TO REPEAL CONFLICTING ORDINANCES; TO PROVIDE AN ADOPTION DATE; TO PROVIDE AN EFFECTIVE DATE; AND FOR OTHER PURPOSES ALLOWED BY LAW. *1st reading*

7. APPOINTMENTS:

- URA Board Member

8. NEW BUSINESS:

NONE

9. GENERAL COMMENTS:

General Comments are any comments that you want to make during Council Meeting. Please fill out a comment card and turn it into the City Clerk if you wish to make a comment.

10. ADJOURNMENT:

CITY OF MORROW, GEORGIA

PREAMBLE AND FINDINGS

AN ORDINANCE TO AMEND THE CODE OF ORDINANCES, CITY OF MORROW, GEORGIA; TO AMEND TITLE 4, PUBLIC SAFETY, CHAPTER 2, FIRE PREVENTION AND PROTECTION, ARTICLE C, FIRE PROTECTION SYSTEMS; TO PROVIDE FOR CODIFICATION; TO PROVIDE FOR SEVERABILITY; TO REPEAL CONFLICTING ORDINANCES; TO PROVIDE AN ADOPTION DATE; TO PROVIDE AN EFFECTIVE DATE; AND FOR OTHER PURPOSES ALLOWED BY LAW.

WHEREAS, the governing authority of the City of Morrow, Georgia (the "City") are the Mayor and Council thereof; and

WHEREAS, the City has determined that it is necessary to eliminate unnecessary restrictions related to automatic sprinkler systems; and

WHEREAS, the amendment is necessary to promote efficiency and simplicity relating to fire protection systems within the City.

NOW THEREFORE, BE IT AND IT IS HEREBY ORDAINED BY THE GOVERNING AUTHORITY OF THE CITY OF MORROW, GEORGIA:

Section One. Section 4-2-31 of the Code of the City of Morrow, Georgia is hereby amended by deleting said section in its entirety and substituting the following in lieu thereof:

"Sec. 4-2-31. - Reserved."

Section Two. The preamble of this Ordinance shall be considered to be and is hereby incorporated by reference as if fully set out herein.

Section Three. This Ordinance shall be codified in a manner consistent with the laws of the State of Georgia and the City.

Section Four.

(a) It is hereby declared to be the intention of the Mayor and Council that all sections, paragraphs, sentences, clauses and phrases of this Ordinance are or were, upon their enactment, believed by the Mayor and Council to be fully valid, enforceable and constitutional.

(b) It is hereby declared to be the intention of the Mayor and Council that, to the greatest extent allowed by law, each and every section, paragraph, sentence, clause or phrase of this Ordinance is severable from every other section, paragraph, sentence, clause or phrase of this Ordinance. It is hereby further declared to be the intention of the Mayor and Council that, to the greatest extent allowed by law, no section, paragraph, sentence, clause or phrase of this Ordinance is mutually dependent upon any other section, paragraph, sentence, clause or phrase of this Ordinance.

(c) In the event that any phrase, clause, sentence, paragraph or section of this Ordinance shall, for any reason whatsoever, be declared invalid, unconstitutional or otherwise unenforceable by the valid judgment or decree of any court of competent jurisdiction, it is the express intent of the Mayor and Council that such invalidity, unconstitutionality or unenforceability shall, to the greatest extent allowed by law, not render invalid, unconstitutional or otherwise unenforceable any of the remaining phrases, clauses, sentences, paragraphs or sections of this Ordinance and that, to the greatest extent allowed by law, all remaining phrases, clauses, sentences, paragraphs and sections of this Ordinance shall remain valid, constitutional, enforceable, and of full force and effect.

Section Five. All ordinances and parts of ordinances in conflict herewith are hereby expressly repealed.

Section Six. The effective date of this Ordinance shall be the date of adoption unless otherwise stated herein.

ORDAINED this _____ day of _____, 2015.

	CITY OF MORROW, GEORGIA **Mayor**
ATTEST: **City Clerk**	**AGREED AS TO FORM:** **City Attorney**

Code sets ; 1.) 2012 National Fire Protection Association 101 Life Safety Code.

2.) 2012 International Building Code.

Occupancy Type Definitions;

Assembly Occupancy ; An occupancy used for a gathering of 50 or more persons for deliberation, worship, entertainment, eating, drinking, amusement, awaiting transportation, similar uses or used as a special amusement building, regardless of occupant load.

Mercantile Occupancy ; An occupancy used for the display and sale of merchandise.

Business Occupancy ; An occupancy used for the transaction of business other than mercantile.

Industrial Occupancy; An occupancy in which products are manufactured or in which processing, assembling, mixing, packaging, finishing, decorating, or repair operations are conducted.

NFPA Construction Type Classifications

0.5

Type I (Fire-Resistive) Construction:

A building constructed of noncombustible materials (reinforced concrete, brick, stone, etc.) and having any metal members properly "fireproofed" with major structural members designed to withstand collapse and to prevent the spread of fire.

0.75

Type II (Noncombustible) Construction:

A building having all structural members (including walls, floors and roofs) of noncombustible materials (reinforced concrete, brick, stone, etc.) and not qualifying as fire-resistive construction.

1.0

Type III (Ordinary) Construction:

Any structure having exterior walls of masonry, or other noncombustible material, in which the other structural members are wholly or partly of wood or other combustible material. See the dwelling note.

1.25

Type IV (Heavy Timber) Construction:

A building having heavy timber construction in which walls are masonry, columns are 8-inch wood supports, floors are 3-inch tongue-and-groove plank, and roof decks are 2-inch tongue-and-groove plank. All wood beams and girders are 6-inch wide and 10-inch deep.

1.5

Type V (Wood Frame) Construction:

Any structure in which the structural members are wholly or partly of wood or other combustible material and in which the construction does not qualify as ordinary construction.

A

TACO BELL

State minimum code

Use and Occupancy Type ; Assembly, sub-classification A-2 (2012 IBC Chapt. 3. sec 303) Definition; sec 6.1.2.1

Allowable Area & Height; A-2 occupancy of const. type III- 9,500 sq.ft. 2 stories unprotected.

A-2 occupancy of const. type V- 6000 sq.ft. 1 story unprotected.

Building actual square footage; 2363 sq. ft.

Occupant load ; Number of fixed seats dining area ; 65 persons.

Kitchen area= 100 sq.ft. net per person ; 500 sq.ft.: 5 persons

Based on; 2012 NFPA 101 LSC. Occ. Load tble ; 7.3.1.2

Total occupant load; 70 persons.

Cooking equipment; 2012 NFPA 101 LSC. sec 12.3.27 "Shall be protected in accordance with 9.2.3" (Hood suppression system)

Fire sprinkler & fire alarm requirement; 2012 NFPA 101 LSC sec. 12.3.5.2 -If the aggregate occupant load exceeds 300 persons.

City of Morrow Ord. 4-2-21

Building would require fire sprinklers.

B

Family Dollar

State Minimum code

Use and Occupancy Type ; Mercantile, sub-classification "M-Class B"

(2012 NFPA LSC. 101 Chapter 36 sec 36.1.2.2.1)

Allowable Area & Height ; (2012 IBC tble 503)

M-B Occupancy of const. type II - 12,500 sq.ft unprotected.

M-B Occupancy of const. type III - 12,500 sq.ft unprotected

Building actual square footage; 8,320 sq.ft. / 1120 sq.ft. storage

Occupant load ; 30 sq.ft. per person net

Based on ; 2012 NFPA 101 LSC. Occ. Tble ; 7.3.1.2

Total occupant load ; .= 240 persons

Fire sprinkler requirement; **1**.Mercantile occupancies three or more stories in height. (2012 NFPA 101 LSC sec 36.3.5.1) or Bulk Merchandising Retail Buildings.

2. Mercantile occupancies exceeding 12000 sq. ft. in gross area.

3. Throughout stories below the level of exit discharge where such stories have an area exceeding 2500 sq.ft. and are used for the sale, storage or handling of combustible goods and merchandise.

4. Throughout multiple occupancies protected as mixed occupancies in accordance with 6.1.14 where the conditions of 36.3.5.1 (1), (2) or (3) apply to mercantile.

City of Morrow Ord. 4-2-21 ; building would require fire sprinklers.

C

Walmart

State Minimum code

Use and Occupancy Type ; Mercantile, sub-classification "M-Class A"

(2012 NFPA LSC. 101 Chapter 36 sec 36.1.2.2.1)

Allowable Area & Height ; (2012 IBC tble 503) M-A Occupancy of const. type I - Unlimited sq.ft. 11 stories. **Unprotected.**

M-A Occupancy of const. type I - Unlimited sq.ft /Unlimited stories. **protected**.

Building actual square footage; 214,905 sq.ft.

Occupant load ; 30 sq.ft. per person net

Based on ; 2012 NFPA 101 LSC. Occ. Tble ; 7.3.1.2

Total occupant load ; .= 5,933 persons

Fire sprinkler requirement; **1**.Mercantile occupancies three or more stories in height. (2012 NFPA 101 LSC sec 36.3.5.1)

2. Mercantile occupancies exceeding 12000 sq. ft. in gross area.

3. Throughout stories below the level of exit discharge where such stories have an area exceeding 2500 sq.ft. and are used for the sale, storage or handling of combustible goods and merchandise.

4. Throughout multiple occupancies protected as mixed occupancies in accordance with 6.1.14 where the conditions of 36.3.5.1 (1), (2) or (3) apply to mercantile.

City of Morrow Ord. 4-2-21 ; building would require fire sprinklers.

D

Summit at Southlake

State minimum code

Use and occupancy Type; Business "B" (2012 NFPA 101 LSC Chapt. 39)

Allowable Area & Height ; B type occupancy of const. type I - Unlimited / 11 stories. Unprotected.

Building actual square footage ; 69,850 sq.ft.

Occupant load ; 100 sq.ft net per person.

Total occupant load ; 650 persons.

Based on ; 2012 NFPA LSC 101. Occ. load table; 7.3.1.2

Extinguishment Requirements; Portable fire extinguishers shall be provided in every business occupancy in accordance with sec. 9.7.4.1.

High Rise (Where the floor of an occupiable story is greater than 75' above the lowest level of fire dept. vehicle access.); Shall be provided with a Fire Sprinkler System. (sec 39.4.2 2012 NFPA 101 LSC.)

Fire Alarm Requirements;

1. Building is three or more stories in height.

2. Occupancy is subject to 100 persons above or below the level of exit discharge.

3. The occupancy is subject to 1000 or more total occupants.

City of Morrow Ord. 4-2-21. Building would require fire sprinklers.

CHAPTER 2. FIRE PREVENTION AND PROTECTION*

- **Editor's note—** Ord. No. 99-11, § 2, adopted Apr. 27, 1999, provided that Art. C be deleted in its entirety and replaced with §§ 4-2-31—4-2-37 herein set out. Formerly, Art. C pertained to the same subject matter and contained substantive §§ 4-2-31—4-2-49, derived from Ord. No. 91-02, adopted Feb. 26, 1991.

- **Sec. 4-2-31. - Automatic sprinkler systems.**

(a)

Buildings of any type construction or occupancy shall be protected throughout by an approved supervised automatic sprinkler system installed in accordance with the current State of Georgia adopted Edition of NFPA 13, Standards for the Installation of Sprinkler Systems. A sprinkler control valve and water flow device shall be provided for each floor. This is not to restrict the fire official having jurisdiction, or the fire marshal, from requiring the installation of a water-based fire protection system and/or smoke detection system if, in the opinion of the fire official, and for the public interest, the health and welfare of the firefighters, and the protection of human life, such a system would serve to benefit all parties that may be affected by the type of construction, hazard of content, limited access to the structure, and for other purposes.

(b)

1.

Buildings of two or more stories in height shall be protected throughout by an approved supervised automatic sprinkler system as specified in subsection (a) above. These types of facilities and structures shall include commercial, multifamily dwellings, motels, hotels, and townhouses.

2.

Working smoke detectors hardwired with battery backup shall be provided in the following locations: bedrooms; offices; halls; mechanical rooms; and other hazardous locations as deemed by the fire official, fire marshal, or inspector.

(c)

All hotels, motels, dormitories, apartments, lodgings, townhouses, rooming houses, and all residential board and care facilities shall be protected by an approved supervised automatic sprinkler system installed in accordance with the current State of Georgia adopted edition with amendments for NFPA 13 or 13R as modified, Standards for the installation of sprinkler systems in residential occupancies up to and including three stories in height. Based on the type of construction and the tenants' ability to evacuate, the fire official shall reserve the right to designate which system is best suited in each situation. Residential sprinklers shall be provided within dwelling units, apartments, and guest rooms.

(4)

Existing buildings, when required to have automatic sprinkler protection by subsections (a), (b), and (c) above, shall be retrofitted for automatic sprinklers as required by the fire official in accordance with NFPA 13 or 13R, when the cost of renovation exceeds 35 percent of the latest approved assessed value of the building. These buildings shall be required to upgrade in the renovation to meet all current codes, standards, and ordinances as applicable to required fire protection and life safety systems. Historical buildings may require an equivalency concept and working through of the process in conjunction with the historical society. The owner is responsible for having the system inspected and tested in accordance with NFPA 25.

(e)

Where required, post indicator valves (PIV) and fire department connections (FDC) shall be located at or near the main entry to the site but no closer than one and one-half times the height of the building. Appropriate signage shall be provided to designate PIV and FDC connections.

(f)

All water-based fire protection systems shall be provided with electronically supervised monitoring, and all fire alarm systems installed in commercial buildings shall be supervised at all times. The fire alarm systems shall be required to include the installation of horns and strobes as designated by the fire official, fire chief, or fire marshal.

(Ord. No. 99-11, § 2, 4-27-99; Ord. No. 07-12, 11-27-07)

AN ORDINANCE TO AMEND TO THE CODE OF ORDINANCES, CITY OF MORROW, GEORGIA; TO CLARIFY PROVISIONS OF THE ZONING ORDINANCE REGARDING THE OPERATION OF BUS STOPS WITHIN THE CITY; TO PROVIDE FOR CODIFICATION; TO PROVIDE FOR SEVERABILITY; TO REPEAL CONFLICTING ORDINANCES; TO PROVIDE AN ADOPTION DATE; TO PROVIDE AN EFFECTIVE DATE; AND FOR OTHER PURPOSES ALLOWED BY LAW.

WHEREAS, the governing authority of the City of Morrow, Georgia (the "City") is the Mayor and Council thereof; and

WHEREAS, the City has determined that it is necessary to specify the Metropolitan Atlanta Rapid Transit Authority's exclusion from certain restrictions regarding bus stops that currently exist under the Zoning Ordinance of the City's Code of Ordinances;

WHEREAS, this amendment is necessary to accommodate the Mayor and Council in carrying out the business of the citizens of the City; and

NOW THEREFORE, BE IT AND IT IS HEREBY ORDAINED BY THE GOVERNING AUTHORITY OF THE CITY OF MORROW, GEORGIA:

Section One.

Section 814 of Article VIII of Appendix A, the "Zoning Ordinance," of the Code of Ordinances of the City of Morrow, Georgia is hereby amended by adding a paragraph "F" immediately following the already-existing paragraph "E," which paragraph "F" shall read as follows:

"F. No provision of this Zoning Ordinance, as it exists now or as it is from time to time amended, shall apply to the Metropolitan Atlanta Rapid Transit Authority's ("MARTA") provision of public transit service within the City for so long as there is a written agreement between MARTA and the City providing for the terms and conditions of MARTA's provision of public transit service within the city."

Section Two.

The preamble of this Ordinance shall be considered to be and is hereby incorporated by reference as if fully set out herein.

Section Three.

It is the intention of the mayor and council and it is hereby ordained that the provisions of

this Ordinance shall be codified in a manner consistent with the laws of the State of Georgia and the City, and the sections of this Ordinance may be renumbered to accomplish that intention.

Section Four.

(a) It is hereby declared to be the intention of the Mayor and Council that all sections, paragraphs, sentences, clauses and phrases of this Ordinance are or were, upon their enactment, believed by the Mayor and Council to be fully valid, enforceable and constitutional.

(b) It is hereby declared to be the intention of the Mayor and Council that, to the greatest extent allowed by law, each and every section, paragraph, sentence, clause or phrase of this Ordinance is severable from every other section, paragraph, sentence, clause or phrase of this Ordinance. It is hereby further declared to be the intention of the Mayor and Council that, to the greatest extent allowed by law, no section, paragraph, sentence, clause or phrase of this Ordinance is mutually dependent upon any other section, paragraph, sentence, clause or phrase of this Ordinance.

(c) In the event that any phrase, clause, sentence, paragraph or section of this Ordinance shall, for any reason whatsoever, be declared invalid, unconstitutional or otherwise unenforceable by the valid judgment or decree of any court of competent jurisdiction, it is the express intent of the Mayor and Council that such invalidity, unconstitutionality or unenforceability shall, to the greatest extent allowed by law, not render invalid, unconstitutional or otherwise unenforceable any of the remaining phrases, clauses, sentences, paragraphs or sections of this Ordinance and that, to the greatest extent allowed by law, all remaining phrases, clauses, sentences, paragraphs and sections of this Ordinance shall remain valid, constitutional, enforceable, and of full force and effect.

Section Five. All ordinances and parts of ordinances in conflict herewith are hereby expressly repealed.

Section Six. The effective date of this Ordinance shall be the date of adoption unless otherwise stated herein.

ORDAINED this _____ day of _____, 2015.

CITY OF MORROW, GEORGIA

_____
Mayor

ATTEST:

AGREED AS TO FORM:

_____
City Clerk

_____
City Attorney

Proposed Transit Services

191 Hartsfield-Jackson Airport International Terminal to Clayton County Justice Center
via GA-85, Garden Walk Blvd, Riverdale Rd, and Flint River Rd - *August 2015*

192 East Point Station to Lovejoy
via Hapeville, Old Dixie Hwy, and Tara Blvd - *August 2015*

193 Jonesboro Rd & Conley Rd to Clayton County Justice Center
via Fort Gillem, Clayton State, Morrow, and Jonesboro - *December 2015*

194 Mountain View to Clayton County Justice Center
via Conley Rd, GA-42, and Mt Zion Blvd - *December 2015*

195 College Park Station to Ellenwood Industrial Park
via Forest Parkway - *December 2015*

Proposed High-Capacity Transit
FY 2022

196 College Park Station to Southlake Mall
via Riverdale Rd, Garden Walk Blvd, GA-85, Riverdale, Upper Riverdale Rd, Old Dixie Hwy and Mt Zion Blvd - *March 2015*

197 Riverdale to Mt Zion Blvd
via Valley Hill Rd, Battle Creek Rd, Jonesboro Rd, Mt Zion Rd, and Conkle Rd - *FY 2020*

198 West Riverdale to Stockbridge Village Shopping Center
via GA-138 - *FY 2020*

15 Downtown Decatur to Ellenwood Industrial Park
Current MARTA route will be extended via Panthersville Rd and Bouldercrest Rd - *March 2015*

55 Downtown Atlanta to Fort Gillem
Current MARTA route will be extended via Jonesboro Rd - *March 2015*

FLEX Proposed Flex Zones
Initially to serve as a deviated fixed route that may later be modified to another service type based on demand - *August, December 2015*

Implementation Timeline

2015

March 2015
- 3 local bus routes

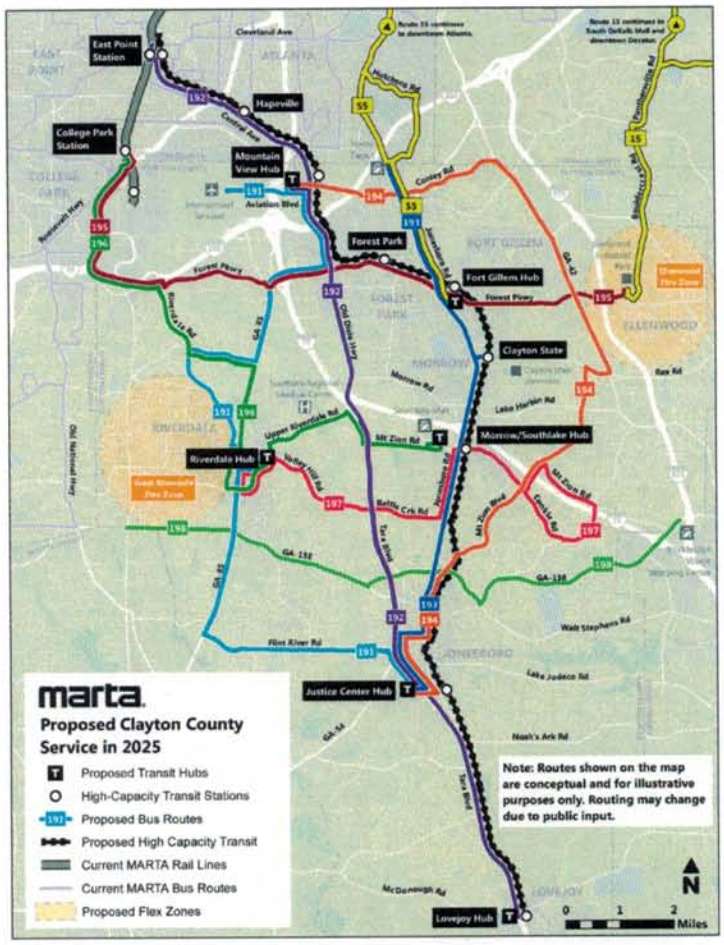
August 2015
- 6 local bus routes
- 1 flex bus/circulator

December 2015
- 8 local bus routes
- 2 flex bus/circulators

Throughout 2015
- Complementary paratransit
- Environmental and engineering studies for high capacity transit

2020
- 10 local bus routes
- 2 flex bus/circulators
- Complementary paratransit
- MARTA Clayton operations/ maintenance center
- MARTA Police precinct
- High capacity transit to Jonesboro in 2022

2025
- 10 local bus routes
- 2 flex bus/circulators
- Complementary paratransit
- MARTA Clayton operations/ maintenance center
- MARTA Police precinct
- Continued high capacity transit to Jonesboro
- Advanced planning for high capacity transit to Lovejoy



Johnson, Brecca

From: Wallace, Richard D. [rwallace@itsmarta.com]

Sent: Wednesday, February 18, 2015 12:05 PM

To: sylviaredic@cityofmorrow.com

Cc: McClendon, Ryland; Graham, Forrest; Prescott, Wendy; Williams, Donald; bjohnson@cityofmorrow.com

Subject: City of Morrow Bus Stops - Phase 1 (Proposed)

Hi Sylvia-

It was great meeting you and Ms. Johnson yesterday. As discussed regarding bus stops for the City of Morrow, Phase 1 will include 7 bus stop installations; these are all marked with a white arrow on the street pointing towards a curbside marking (circle with a cross through it) where the sign will be installed. Of these 7 locations:

- 4 will be installed on U-channel signposts provided by MARTA
- 4 will be installed on existing light poles
- 1 stop is being evaluated as a potential shelter location

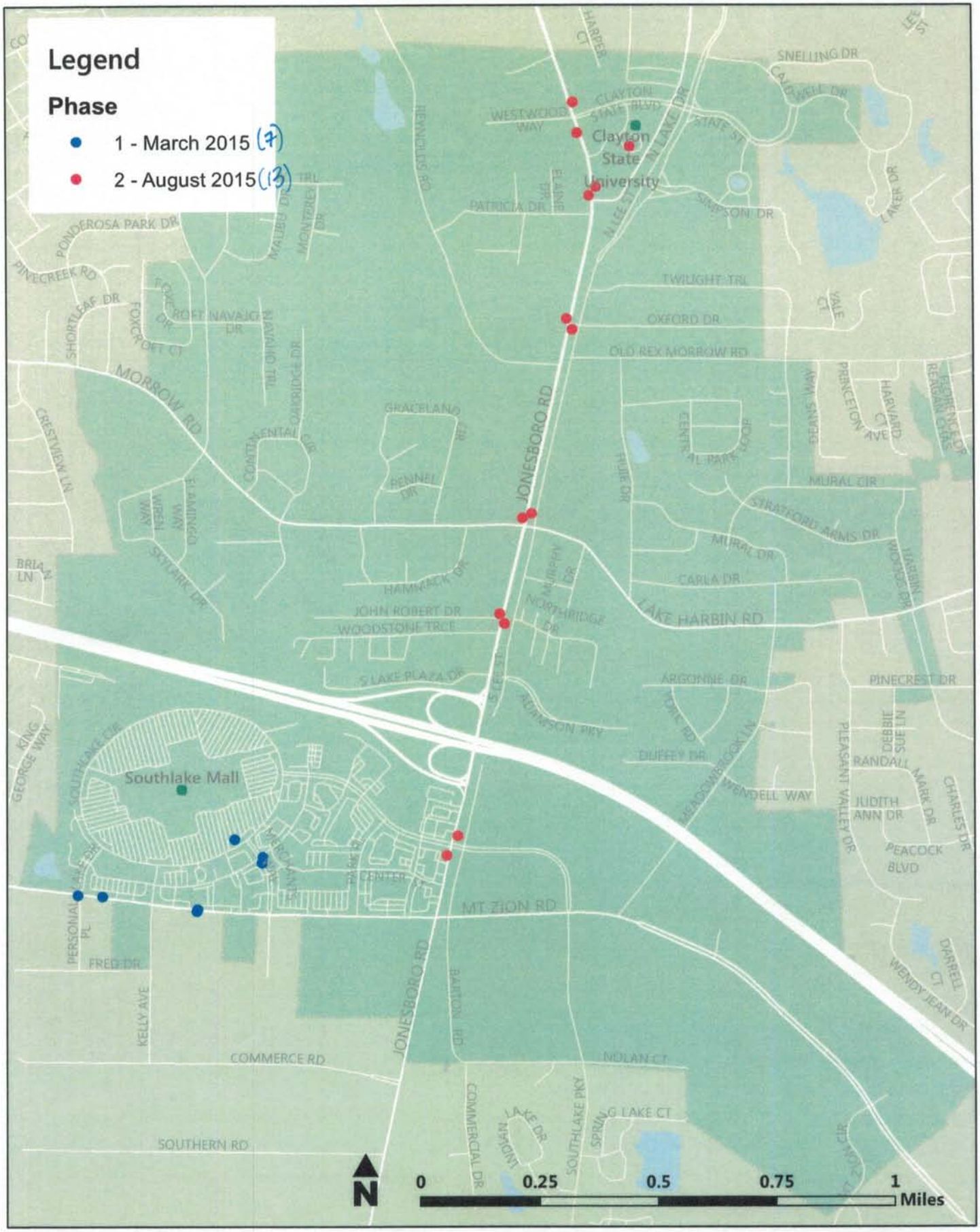
I have attached a map of Morrow showing the 7 locations and a table listing the stop locations. Let us know if you have any questions or concern or if any site visits are needed.

Thanks,

-Richard

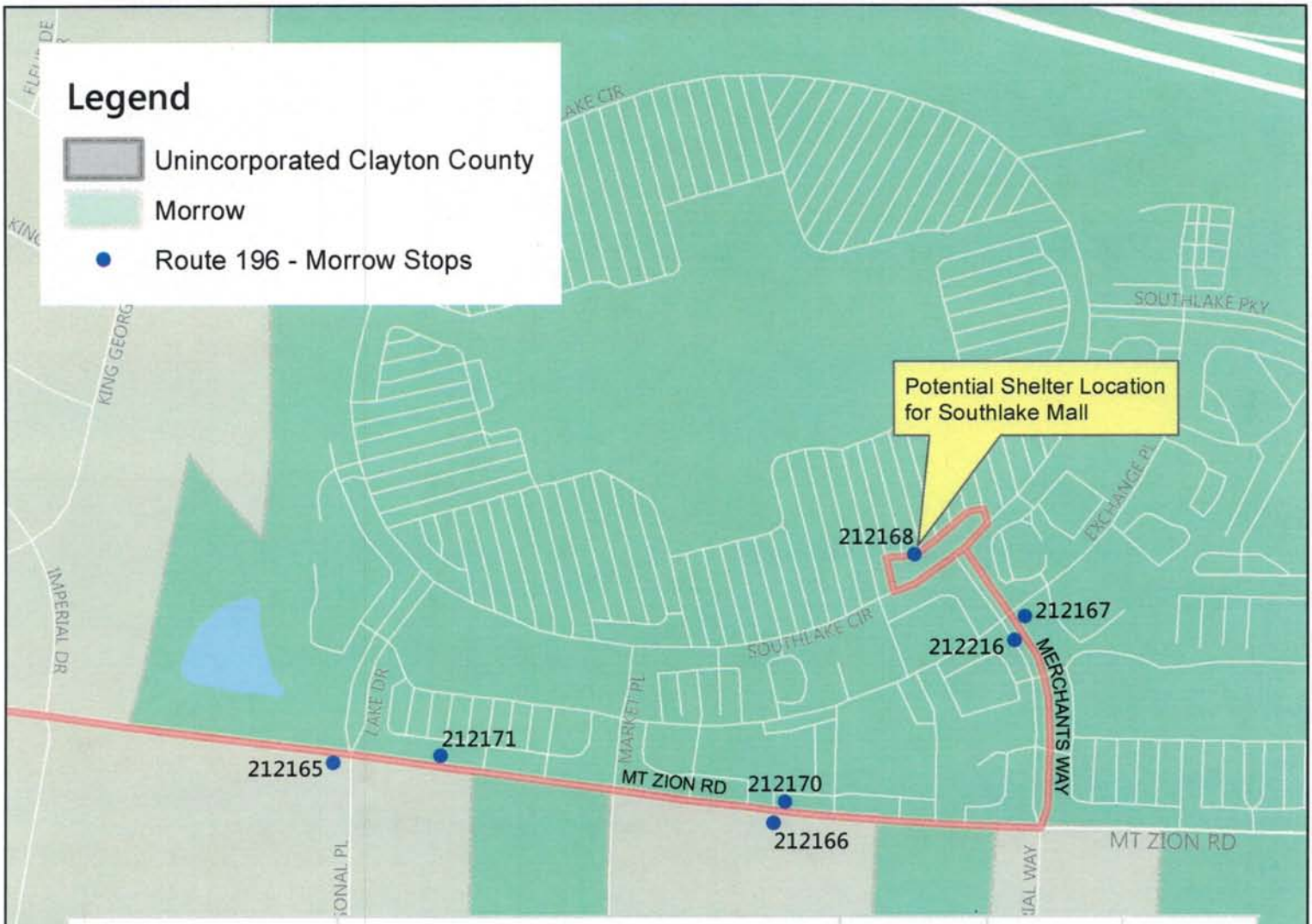
Richard D. Wallace | Manager of Special Projects and Analysis
Metropolitan Atlanta Rapid Transit Authority
Office of Transit System Planning
404-848-5208 | rwallace@itsmarta.com

marta
Please consider the environment before printing this e-mail.



Proposed Morrow Bus Stops - 2015

marta



City of Morrow

Phase 1 Bus Stops

Stop No.	Route	Stop Name/Location	Stop Type	Dir	Pos
212165	196	MT ZION RD @ PERSONAL PL	SGN	E	NS
212166	196	MT ZION RD @ KELLY AVE	STR	E	MB
212167	196	MERCHANTS WAY @ EXCHANGE PL	SGN	NW	NS
212168	196	SOUTHLAKE MALL	SGN	SW	AT
212216	196	MERCHANTS WAY @ EXCHANGE PL	SGN	SE	FS
212170	196	MT ZION RD @ MARKET PL	STR	W	MB
212171	196	MT ZION RD @ LAKE DR	STR	W	NS

SGN	SIGN ON U-CHANNEL POLE
STR	SIGN ATTACHED TO LIGHT POLE

N

0 440 880 1,320 1,760 Feet

Proposed Morrow Bus Stops - March 2015

marta

Johnson, Brecca

From: Wallace, Richard D. [rwallace@itsmarta.com]
Sent: Wednesday, February 18, 2015 5:45 PM
To: Sylvia Redic
Cc: McClendon, Ryland; Graham, Forrest; Prescott, Wendy; Williams, Donald; Johnson, Brecca
Subject: RE: City of Morrow Bus Stops - Phase 1 (Proposed)

Sylvia-

In response to your questions:

1. Regarding turnouts:
   - Our Engineering department estimates $50,000 - $100,000 for a turnout, not including ROW, utilities, and site conditions
   - Utility relocations and site issues (such as the need for a retaining wall) could increase that number further
   - Turnouts must be constructed to align with recommendations from TCRP Report 19 – view the whole report at http://www.trb.org/Main/Blurbs/153827.aspx, and see the attached page for turnout dimensions

2. Regarding signposts:
   - MARTA uses only U-channel signposts as a standard for freestanding bus stops (see attached photo and examples at http://www.grimco.com/Products.aspx?cid=0066&pid=00387)
   - U-channels are used in all current MARTA cities and counties; MARTA will not pay for or maintain other types of poles at this time, though the City of Morrow can choose to do so
   - I misspoke in our meeting; the City of Roswell chose to upgrade its stops with its own amenities (bus shelters and seating), not signposts
   - You can look at decorative signposts at http://capitalstreetscapes.com/products/custom-fluted-and-smooth-sign-posts and http://www.speciallitepproducts.com/signage/traffic/default.aspx

Please let me know if you have any further questions or would like additional information. We look forward to working with you and serving the citizens of Morrow.

Thanks,

-Richard

From: Wallace, Richard D.
Sent: Wednesday, February 18, 2015 1:35 PM
To: 'Sylvia Redic'
Cc: McClendon, Ryland; Graham, Forrest; Prescott, Wendy; Williams, Donald; Johnson, Brecca
Subject: RE: City of Morrow Bus Stops - Phase 1 (Proposed)

Hi Sylvia-

I'm still working on the cost for decel lanes and decorative poles. I hope to have something to you by COB today.

Thanks,

-Richard

From: Sylvia Redic [mailto:sylviaredic@cityofmorrow.com]
Sent: Wednesday, February 18, 2015 1:09 PM
To: Wallace, Richard D.
Cc: McClendon, Ryland; Graham, Forrest; Prescott, Wendy; Williams, Donald; Johnson, Brecca
Subject: RE: City of Morrow Bus Stops - Phase 1 (Proposed)

Great meeting y'all - a couple of things...

I was hoping to see - cost estimate for decel lanes (not including ROW)

Cost of the U Channel poles becasue we may want to pay the difference for a more decorative pole

Thanks

CITY OF MORROW ◆ CITY HALL
1500 MORROW ROAD ◆ MORROW, GA 30260

come to morrow
MORROW, GEORGIA

Sylvia A. Redic, GPC
Director
Economic Development and Grants
(O)678.902.0889
(F)770.960.3002

Email: sylviaredic@cityofmorrow.com
Website: www.cityofmorrow.com

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marta
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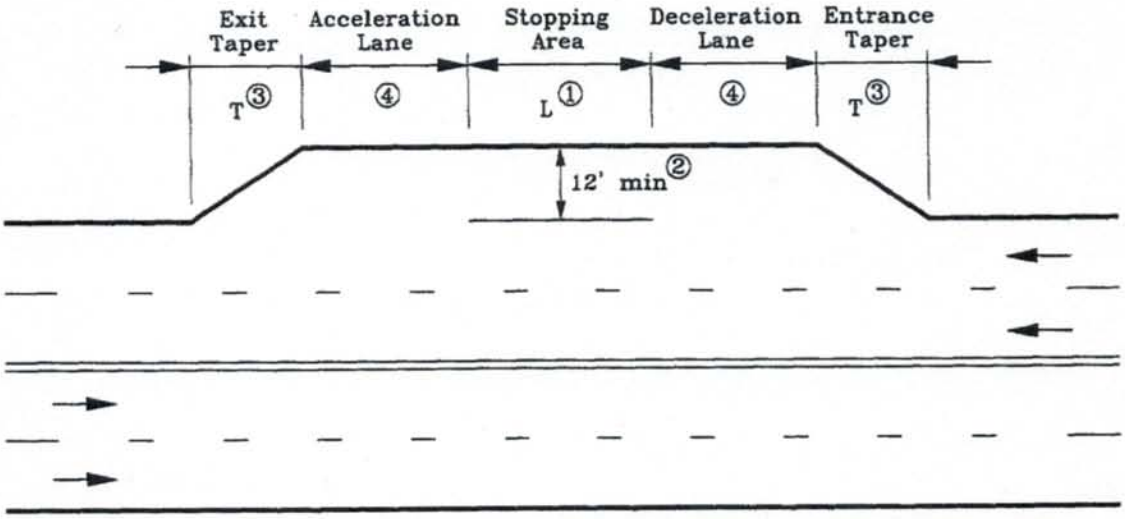
BUS STOP ZONE DESIGN TYPES—Bus Bay Dimensions



Notes:

1) Stopping area length consists of 50 feet for each standard 40-foot bus and 70 feet for each 60-foot articulated bus expected to be at the stop simultaneously. See Table 3 for the suggested bus stop capacity requirements based on a range of bus flow rates and passenger service times.
2) Bus bay width is desirably 12 feet. For traffic speeds under 30 mph, a 10-foot minimum bay width is acceptable. These dimensions do not include gutter width.
3) Suggested taper lengths are listed in table below. Desirable taper length is equal to the major road through speed multiplied by the width of the turnout bay. A taper of 5:1 is a desirable minimum for an entrance taper to an arterial street bus bay while the merging or re-entry taper should not be sharper than 3:1.
4) Minimum design for a busy bay does not include acceleration or deceleration lanes. Recommended acceleration and deceleration lengths are listed in the table below.

Through Speed (mph)	Entering Speed[a] (mph)	Length of Acceleration Lane (Feet)	Length of Deceleration Lane[b] (Feet)	Length of Taper (Feet)
35	25	250	184	170
40	30	400	265	190
45	35	700	360	210
50	40	975	470	230
55	45	1400	595	250
60	50	1900	735	270

[a] Bus speed at end of taper, desirable for buses to be within 10 mph of travel lane vehicle speed at the end of the taper.
[b] Based on 2.5 mph/sec deceleration rate.

Figure 5. Typical Bus Bay Dimensions.

marta
Bus
Stop
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