

2009

**SOUTHERN BRAZORIA
SHELTER RECOMMENDATIONS
SUMMARY**

A & R CONSULTING SOLUTIONS, LLC

The Goodman Corporation

SOUTHERN BRAZORIA

SHELTER RECOMMENDATIONS

BACKGROUND

The Lake Jackson/Angleton urbanized area is eligible to receive federal public transit stimulus funds under the American Recovery and Reinvestment Act (ARRA). One challenge to receiving funding is that fixed route transit service is currently not provided in Southern Brazoria County. However, regional stakeholders agreed to move forward with transit service towards a Fall 2009 implementation of fixed route transit service. Bus shelters would make sense only if fixed route transit service implementation occurred within Southern Brazoria County.

Based upon the consensus of regional stakeholders, field work was conducted to consider the potential location and costs of bus shelters that would provide a variety of attractive benefits:

- Desirable customer amenities at locations that were expected to generate significant levels of transit ridership;
- Alternative sustainable energy sources for lighting (solar powered lights)
- Provide accessible sidewalk and curbcuts in immediate area adjacent to shelters;
- Develop a superstop transit transfer location at Brazosport College designed to encourage increased regional patronage of the college;
- Federal funding of \$300,000 coming to the region without the need for local match.
- Related initiation of fixed route transit service would result in new jobs created in the Southern Braozria area as the result need to hire additional staff for bus drivers and supervisors to operate transit service (16-18 full time positions with Connect Transit).

Fourteen shelters were identified as a result of the field work with four located in Angleton, three in Lake Jackson, three in Clute, three in Freeport and the Brazosport College superstop. Three shelter locations have been deferred to Phase II since their locations are on private property and arrangements could not be completed prior to the deadline grant submission for ARRA Phase I Funds on May 31, 2009.

Table 1 below shows the listing of shelter locations in Southern Brazoria.

TABLE 1 -SOUTHERN BRAZORIA SHELTER LOCATIONS

Number	Shelter Location	Key Attractor(s)	Route Location	Timed Transfer Point	Need	Comments
1	Deborah Street in front of Bach Rehabilitation	Angleton - Danbury Medical Center	1 and 4	No	Shelter, Bench	Key regional attractor
2	East Henderson	Angleton HS	1 and 4	No	Bench and Shelter	Angleton HS is key regional attractor
3	Canaan just east of Velasco	Kroger and Community Center	1 and 4	No	Bench and Shelter	Multiple significant attractors
4	Velasco between Live Oak and Locust	Brazoria County Courthouse	1 and 4	Yes	Double Shelter, Bench and Information Kiosk	Major regional services / Angleton transfer location
5	College Blvd west of Business 288	Brazosport College	1 and 3	Yes	Double Shelter, Bench, Area and Kiosk	Large attractor - regional transfer location
6	W Brazosport east of Dixie	Brazoswood HS	3	No	Shelter and Bench	Regional attractor
7	Main Street east of Hargett	Clute City Hall	1	No	Bench and Shelter	City Hall, police station, retail
8	Plantation and Dixie	Kroger/Walgreen's	1, 2 and 3	Yes	Double Shelter, Bench and Information Kiosk	Transfer and major retail attractors - deferred to Phase II
9	Brazosport Hospital	Brazosport Hospital	2 and 4	No	Shelter and Bench	Hospital and adjacent medical facilities
10	Oak Drive west of TX 288	Lake Jackson City Hall	3	No	Shelter and Bench	Municipal facilities
11	Highway 322 west of TX 288	Brazos Mall	2 and 3	No	Shelter and Bench and information Kiosk	Largest regional retail attractor
12	N Gulf Blvd west of TX 288	Baywood Foods	1 and 2	Yes	Shelter and Bench and information Kiosk	Groceries and retail, transfer location
13	Avenue A east of Old River	Riverplace Park	2	No	Shelter and Bench	Large park
14	2nd avenue west of Cherry Street	Freeport City Hall	2	No	Shelter and Bench	City Hall, downtown and port

- Phase II shelter locations are shaded, **all other shelters will be included in May 2009 grant submission**

**TABLE 2
ESTIMATED COST FOR SHELTERS INCLUDING
INSTALLATION AND IMPROVEMENTS**

SHELTER LOCATIONS	TOTALS
Shelter 1 - Angleton / Danbury Medical Center	\$10,940.00
Shelter 2 - Angleton High School	\$10,940.00
Shelter 3 - Kroger / Community Center	\$19,340.00
Shelter 4 - County Courthouse	\$22,820.00
Shelter 5 - Brazosport College	\$146,500.00
Shelter 6 - Brazoswood High School	\$10,940.00
Shelter 7 - Clute City Hall	\$10,940.00
Shelter 8 - Kroger/Walgreen's	PHASE II
Shelter 9 - Brazosport Hospital	PHASE II
Shelter 10 - Lake Jackson City Hall	\$10,940.00
Shelter 11 - Brazos Mall	PHASE II
Shelter 12 - Baywood Foods	\$10,940.00
Shelter 13 - Riverplace Park	\$10,940.00
Shelter 14 - Freeport City Hall	\$10,940.00
TOTAL ESTIMATED PHASE I COST	\$264,300.00
CONTINGENCY(20% OF TOTAL)	\$52,860.00
TOTAL ESTIMATED PHASE I COST	\$317,160.00
TOTAL FEDERAL SHARE (ARRA)	\$317,160.00
TOTAL LOCAL SHARE (ARRA)	\$0.00

*Phase II shelter locations are shaded,
all other shelters will be included in May 2009 grant submission*

ANGLETON SHELTERS

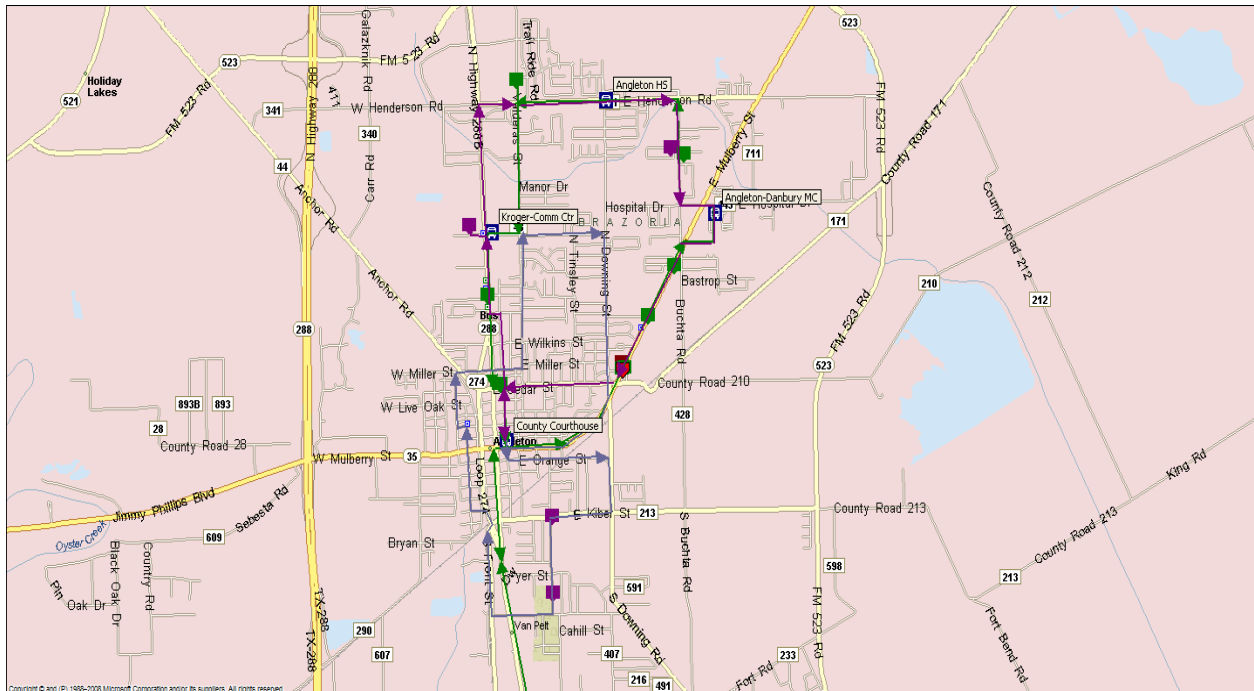
Given the geographic size of the Southern Brazoria County region, it is easiest to show the shelter locations in three segments: Angleton, Lake Jackson/Freeport. Angleton will be served by two routes and four buses. The regional route (in green) will run from Freeport through Clute (with a transfer point at Plantation and Dixie), Lake Jackson, Brazosport College (another transfer point) and provide service (primarily in a counterclockwise loop) to many of the county and social service attractors in Angleton. Two buses will provide hourly service on the regional route. Transfers to Angleton routes will be possible at the Brazoria County Court House.

Two circulators will run in Angleton hourly with each loop taking thirty minutes to complete. The northern loop (in purple) will run every half hour and will run clockwise on a route similar to the alignment of the regional route (but in the opposite direction). The southern/western loop (in bluegray) will cover parts of Angleton not services by the other two routes. All routes are very tentative and subject to change.

The four shelters are located at key attractors:

- Shelter 1 – Angleton/Danbury Medical Center (area medical center)- **Public Right of Way (ROW)**
- Shelter 2 - Angleton High School – **Public (ROW)**
- Shelter 3 – Kroger/Community Center – **Public (ROW)**
- Shelter 4 – County Courthouse – **Public (ROW)**

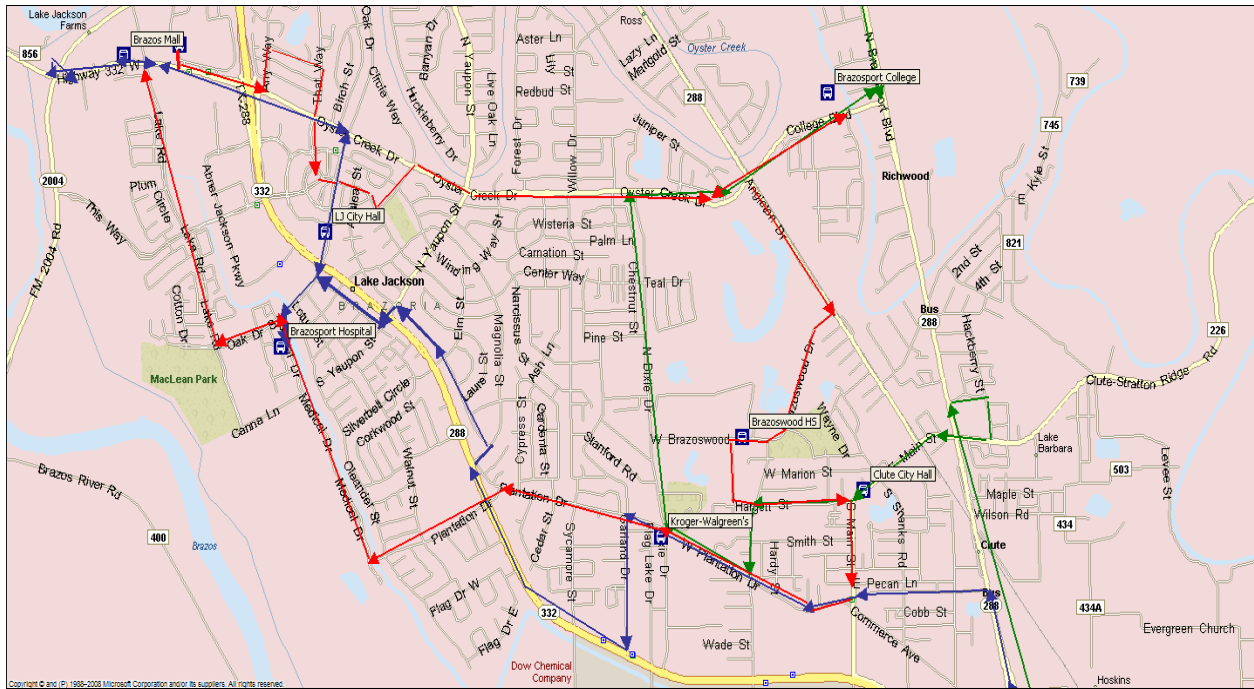
All shelters are slated for construction and installation in Phase I of ARRA funding and is subject to the Federal Transit Administration approval of the Lake Jackson/Angleton grant application.



LAKE JACKSON/CLUTE

The Southern Brazoria communities of Lake Jackson and Clute will comprise the central area of the Southern Brazoria Connect transit service. Three routes will provide service to Lake Jackson and Clute:

- **Regional Route 1 (shown in green)** will pass through Clute, Lake Jackson and Brazosport College on its north and southbound trips;
- **Brazosport Route 2 (shown in blue)** will pass through Freeport, Clute and Lake Jackson connecting with Clute, the Brazosport Hospital and the Brazos Mall.
- **Lake Jackson/Clute Route 3 (shown in red)** will connect most of the major attractors within the two communities and with the Regional and Brazosport Route respectively.



The seven shelters are located at key attractors:

- Shelter 5 – Brazosport College Superstop – **College ROW**
- Shelter 6 - Brazoswood High School - **Public ROW**
- Shelter 7 – Clute City Hall – **Public ROW**
- Shelter 8 – Kroger/Walgreen’s – **Now Private ROW**
- Shelter 9 – Brazosport Hospital – **Hospital ROW?**
- Shelter 10 – Lake Jackson City Hall – **Public ROW**
- Shelter 11 – Brazos Mall – **Private ROW – no safe stop on street**

Shelters a 5,6,7 and 10 are slated for construction and installation in Phase I of ARRA funding, Shelters 8,9 and 11 are deferred to Phase II.

FREEPORT

Freeport will be served by two routes. First, the Brazosport Route (shown in blue) which will connect large portions of Freeport with Clute, Brazosport Medical Center and Brazos Mall. Second, the regional route (in green) will start on the northside of N Gulf Boulevard just east of 288 and on the other side of the street from Baywood Foods.

The three shelters are located at key attractors:

- Shelter 12 – Baywood Foods – **Public ROW**
- Shelter 13 – Riverplace Park – **Public ROW**
- Shelter 14 - Freeport City Hall – **Public ROW**

All shelters in Freeport are slated for construction and installation in Phase I of ARRA funding and is subject to the Federal Transit Administration approval of the Lake Jackson/Angleton grant application.

