



Jimmie Davis Bridge Project

Construction Phasing

Phase 1

Phase 1 west of the Red River consists of the following:

- Reconstruct shoulders to facilitate traffic in later phases. Existing shoulders that will be subject to temporary traffic and are in poor condition will be replaced with temporary pavement to ensure the paved surfaces will endure throughout subsequent construction phases.

Phase 1 east of the Red River consists of the following:

- Remove driveway pavement along westbound LA 511 from Brookshire Arena Drive to US 71 (Barksdale Blvd) to begin permanent road construction. Access to existing driveways will be maintained at all times with maintenance aggregate.
- Install the new subsurface drainage system and pavement along westbound LA 511
- Install temporary pavement at the intersection of LA 511 and Brookshire Arena Drive. This will allow the intersection to facilitate traffic during subsequent phases of construction.
- Begin construction of new ramps west of Brookshire Arena Drive.
- Remove portions of existing concrete median barrier along Arthur Ray Teague Parkway at the new intersections with the eastbound and westbound ramps. Construct new concrete in the location of the removed median barriers and install permanent impact attenuators at the blunt ends of the remaining median barriers.
- Construct the median at the Riverpark Church driveway.
- Construct Median Opening 1 and Median Opening 3 to be used as U-turn locations in subsequent phases. These openings will remain as permanent construction.

Construction of the new LA 511 bridge over the Red River will commence in Phase 1 and includes bridge spans over Clyde Fant Memorial Parkway.

Phase 2

Phase 2 west of the Red River consists of the following:

- Install embankment on the west approach of the bridge with surcharge, as required to begin settlement period.
- Remove existing pavement on westbound LA 511 and construct storm drainage, new pavement, and turnout at Riverpark Church driveway.
- Construct temporary pavement along LA 511 to facilitate traffic in subsequent phases.
- Construct eastbound LA 511 off-ramp and storm drainage.

The existing off-ramp from Clyde Fant Memorial Parkway to westbound LA 511 will be closed to construct a new ramp. Traffic will be diverted south along Clyde Fant to eastbound LA 511 on-ramp.

Once traffic is diverted to the eastbound LA 511 on-ramp, signage will direct traffic to keep right to access eastbound LA 511 and keep left to access westbound LA 511. Eastbound LA 511 traffic will remain on the existing entrance ramp while westbound LA 511 traffic will shift to the existing ramp which forms a T-intersection with LA 511 near Clyde Fant Memorial Parkway. A temporary traffic signal will be installed at this intersection to allow left turns onto westbound LA 511.

Phase 2 east of the Red River consists of the following:

- Modify signal timings at the intersections of LA 511 at Brookshire Arena Drive and at the intersection of LA 511 at Sunflower Blvd.
- Shift westbound LA 511 traffic to new westbound LA 511 pavement constructed under Phase 1.
- Open westbound LA 511 off-ramp at Arthur Ray Teague Parkway.
- Close and remove the existing exit ramp from westbound LA 511 to Arthur Ray Teague Parkway.
- Install embankment on the east approach of the bridge with surcharge, as required to begin the settlement period.
- Construct permanent pavement in the median of LA 511 from Brookshire Arena Drive/Zach Avenue to Medical Drive.

Construction of the new LA 511 bridge over the Red River will continue under Phase 2. Construction of bridge bents for the east approach will commence in this phase.

Construction of the new LA 511 bridge main spans and approach spans between the ramps on Arthur Ray Teague Parkway will continue in Phase 2.

Phase 3

Phase 3 west of the Red River consists of the following:

- Shift westbound LA 511 traffic onto the newly constructed pavement to the north of the westbound LA 511 constructed in Phase 2.
- Shift eastbound LA 511 traffic onto the existing outside shoulders of eastbound LA 511 that were repaired with temporary pavement in Phase 1.
- Open westbound on-ramp at Clyde Fant Memorial Parkway to traffic.
- Construct permanent pavement and temporary pavement in the median of LA 511 from the west end of the project limits to approximately 500 feet from Riverpark Church driveway.
- Construct westbound LA 511 on-ramp and LA 511 pavement from the new bridge across the existing westbound LA 511 exit ramp to Clyde Fant Memorial Parkway.

To construct the westbound LA 511 on-ramp, the existing westbound exit ramp will be closed. Traffic will be detoured west on westbound LA 511 to the existing T-intersection west of the existing eastbound entrance ramp. A new left turn lane will be developed in the median of LA 511 prior to the installation of a temporary signal at the T-intersection. Westbound traffic onto Clyde Fant Parkway will use this temporary signal to access the existing ramp pavement and then merge with eastbound LA 511 traffic.

This approach modifies the existing traffic patterns, while maintaining all movements within the interchanges of Clyde Fant Parkway and LA 511.

Phase 3 east of the Red River consists of the following:

- Shift eastbound LA 511 traffic to the median of LA 511. The temporary traffic signal timings from Phase 2 will still be in use at the intersection of LA 511 and Brookshire Arena Drive and at the intersection of LA 511 and Sunflower Blvd.
- Remove existing pavement along eastbound LA 511 from Brookshire Arena Drive to US 71 (Barksdale Blvd) and construct a new subsurface drainage system and permanent pavement.
- Remove existing pavement along Sunflower Blvd. and construct a new subsurface drainage system and permanent pavement.
- Construct a subsurface drainage system and permanent pavement on the new Zach Access Road between Zach Avenue and Sunflower Blvd.
- Construct portions of the eastbound LA 511 ramps west of Brookshire Arena Drive.

Construction of the entire new LA 511 bridge over the Red River will be completed in Phase 3.

Phase 4

Phase 4 west of the Red River consists of the following:

- Shift one lane of traffic in each direction onto the newly constructed LA 511 bridge.
- Shift eastbound LA 511 traffic to the inside lane of the newly constructed pavement on eastbound LA 511.
- Open westbound LA 511 ramp onto Clyde Fant Parkway.
- Construct outside portion of eastbound LA 511 from the beginning project limits on the west end to eastbound LA 511 off-ramp.
- Construct eastbound LA 511 off-ramp. Maintain eastbound LA 511 off-ramp traffic by using the temporary pavement constructed in Phase 3.
- Construct eastbound LA 511 on-ramp.

To construct eastbound LA 511 on-ramp, traffic will be shifted to the existing ramp pavement to the west of the eastbound LA 511 on-ramp that currently forms a T-intersection with LA 511. Ramp traffic will be able to merge onto eastbound LA 511 at this location using temporary pavement constructed in previous phases.

Phase 4 east of the Red River consists of the following:

- Shift eastbound LA 511 traffic to the newly constructed eastbound LA 511 pavement.
- Open westbound Ramp 3 to traffic.
- Close the intersection of Brookshire Arena Drive and LA 511 permanently. Construct a permanent cul-de-sac at the end of Brookshire Arena Drive.
- Construct a median along LA 511 between Sunflower Blvd. and US 71 (Barksdale Blvd).
- Construct the remainder of the ramps west of Brookshire Arena Drive.

To construct the remaining portions of the ramps west of Brookshire Arena Drive, the existing eastbound LA 511 exit ramp to Arthur Ray Teague Parkway will be closed temporarily. Traffic will be diverted along eastbound LA 511 to Median Opening 3 prior to the US 71 (Barksdale Blvd) intersection to access westbound LA 511. From westbound LA 511, traffic will access Arthur Ray Teague Parkway via westbound LA 511 on-ramp west of Zach Avenue.

Construction of the entire new LA 511 bridge will be completed in Phase 3. Traffic will use the new bridge beginning in Phase 4. The existing bridge will be closed to traffic in this phase to commence rehabilitation of the existing bridge into a linear park. Access driveways will be constructed in this phase. These driveways will connect the existing bridge to LA 511 eastbound.

Phase 5

Phase 5 west of the Red River consists of the following:

- Open all ramps to traffic.
- Shift LA 511 traffic to the outside pavement and construct the median of LA 511 from the beginning of the project on the west end to the westbound LA 511 on-ramp.

Phase 5 east of the Red River consists of the following:

- Open all ramps to traffic.
- Shift LA 511 traffic to the outside pavement and construct the median of LA 511 from Brookshire Arena Drive to Sunflower Blvd.
- Restripe the eastbound approach of LA 511 at US 71 (Barksdale Blvd) to dual right turns and one left turn for the build condition.

Upon opening the new LA 511 bridge to traffic, the linear park on the existing bridge will begin and be completed. Construction on the existing bridge for conversion to the linear park will have no traffic impacts.