FEDERAL AID OFF-SYSTEM HIGHWAY BRIDGE PROGRAM

2019 LPESA SPRING CONFERENCE
APRIL 24-25, 2019

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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DOTD

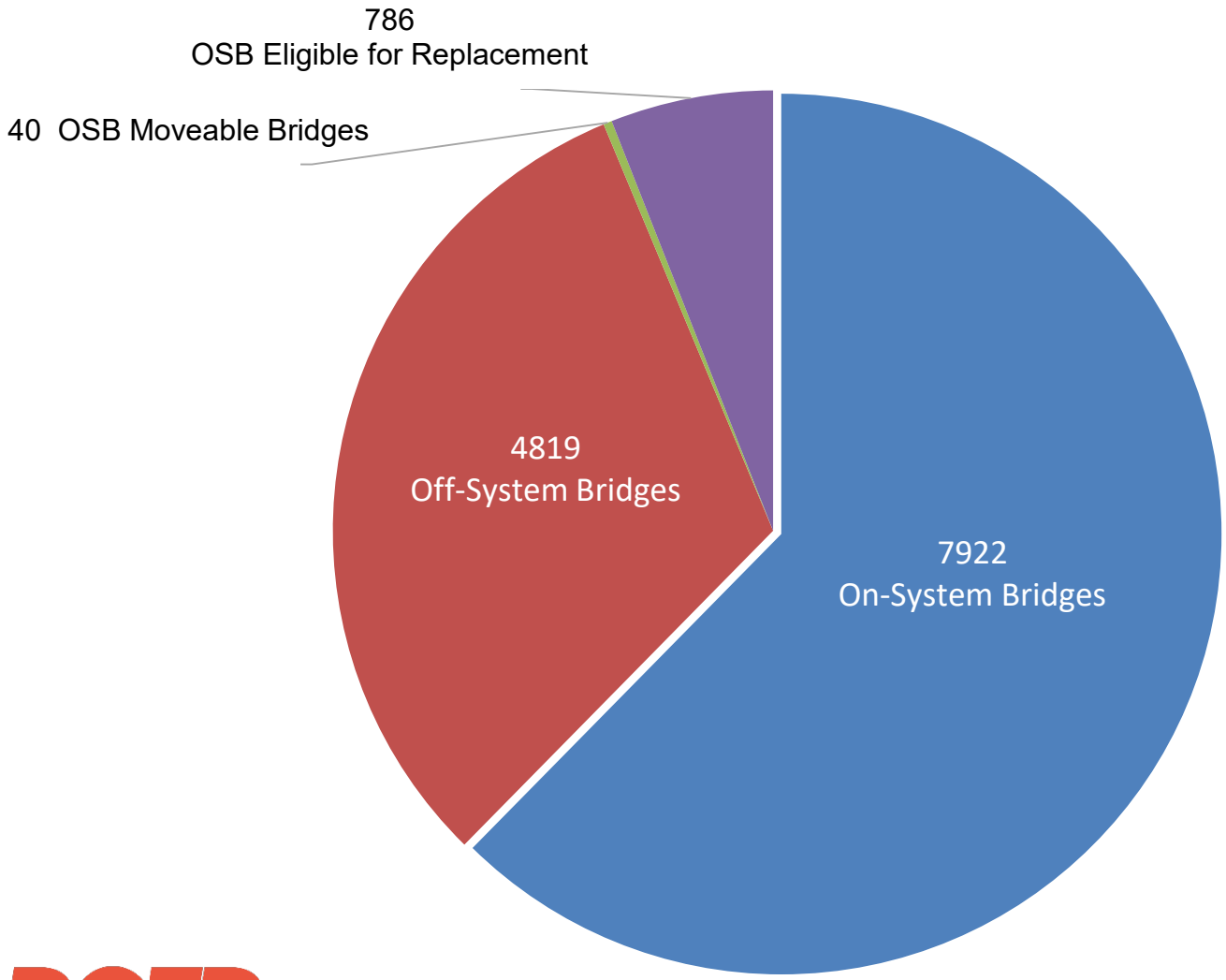
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Bridges in Louisiana

- 12,741 Total Number of Bridges in Louisiana
  - 7,922 On-System
    - Includes 99 Movable Bridges
  - 4,819 Off-System
    - Includes 40 Movable Bridges
    - 786 of the total OSB are eligible for replacement (~16%)

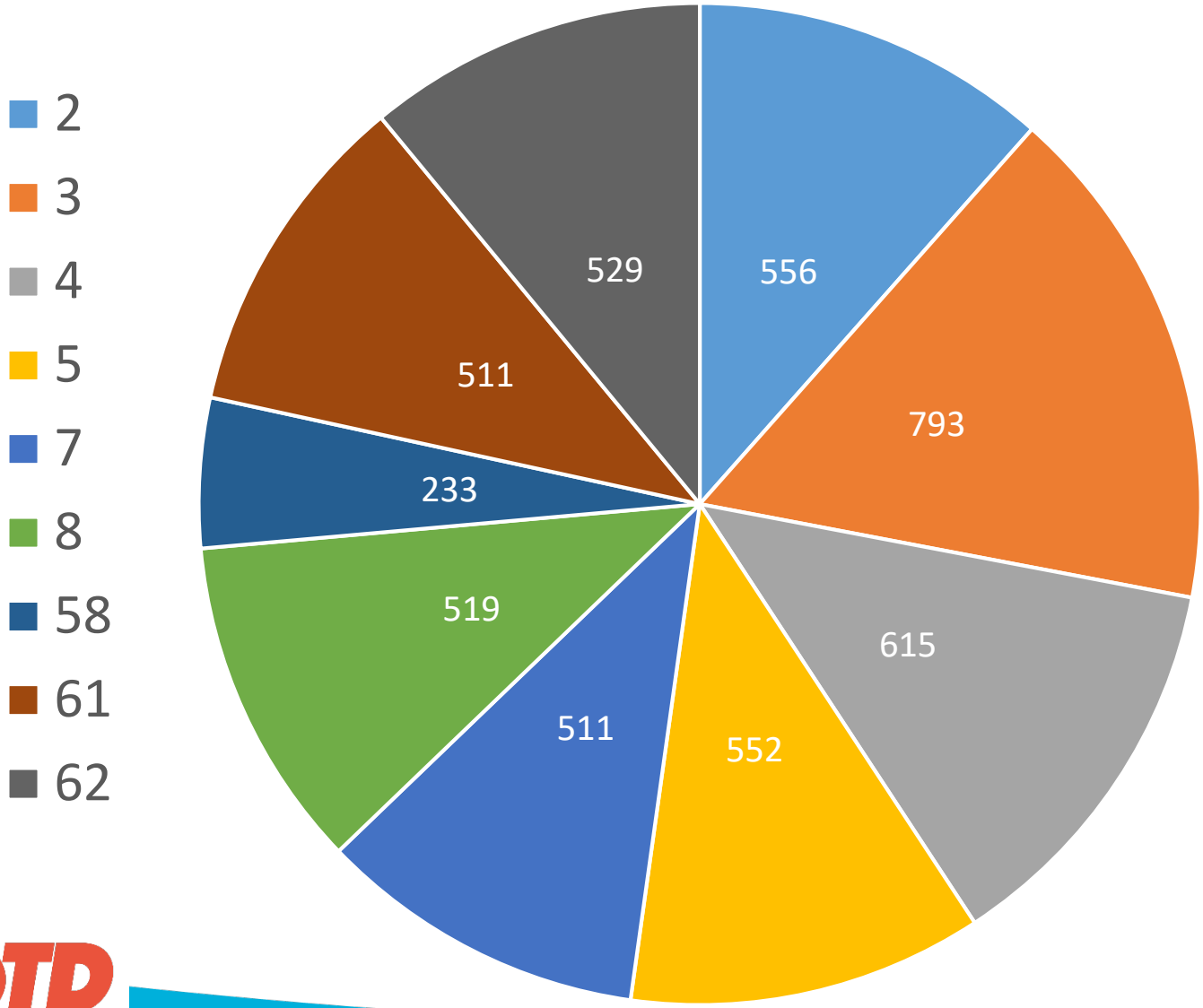
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Total Bridges in Louisiana



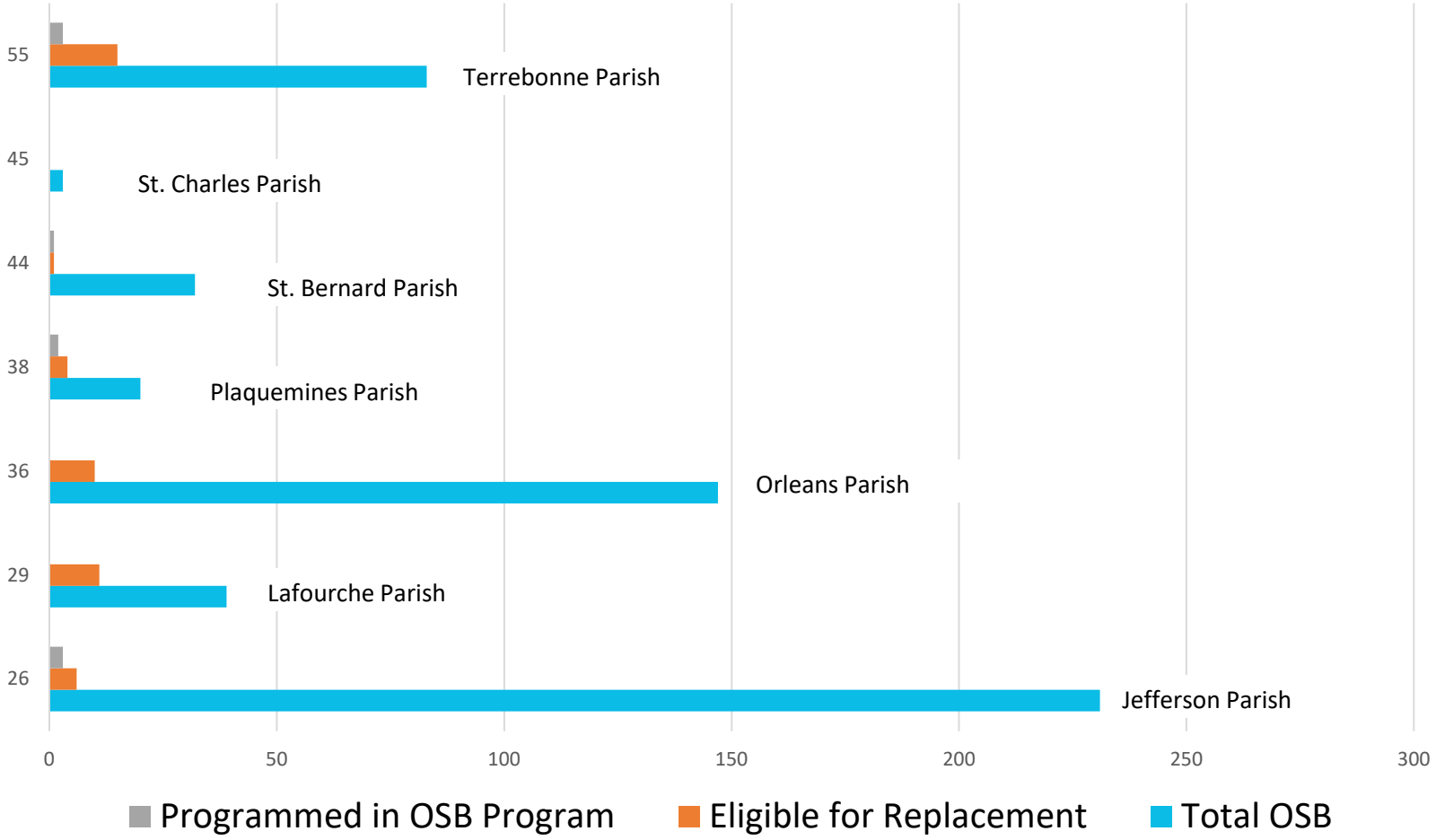
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Total Off System Bridges Per DOTD District



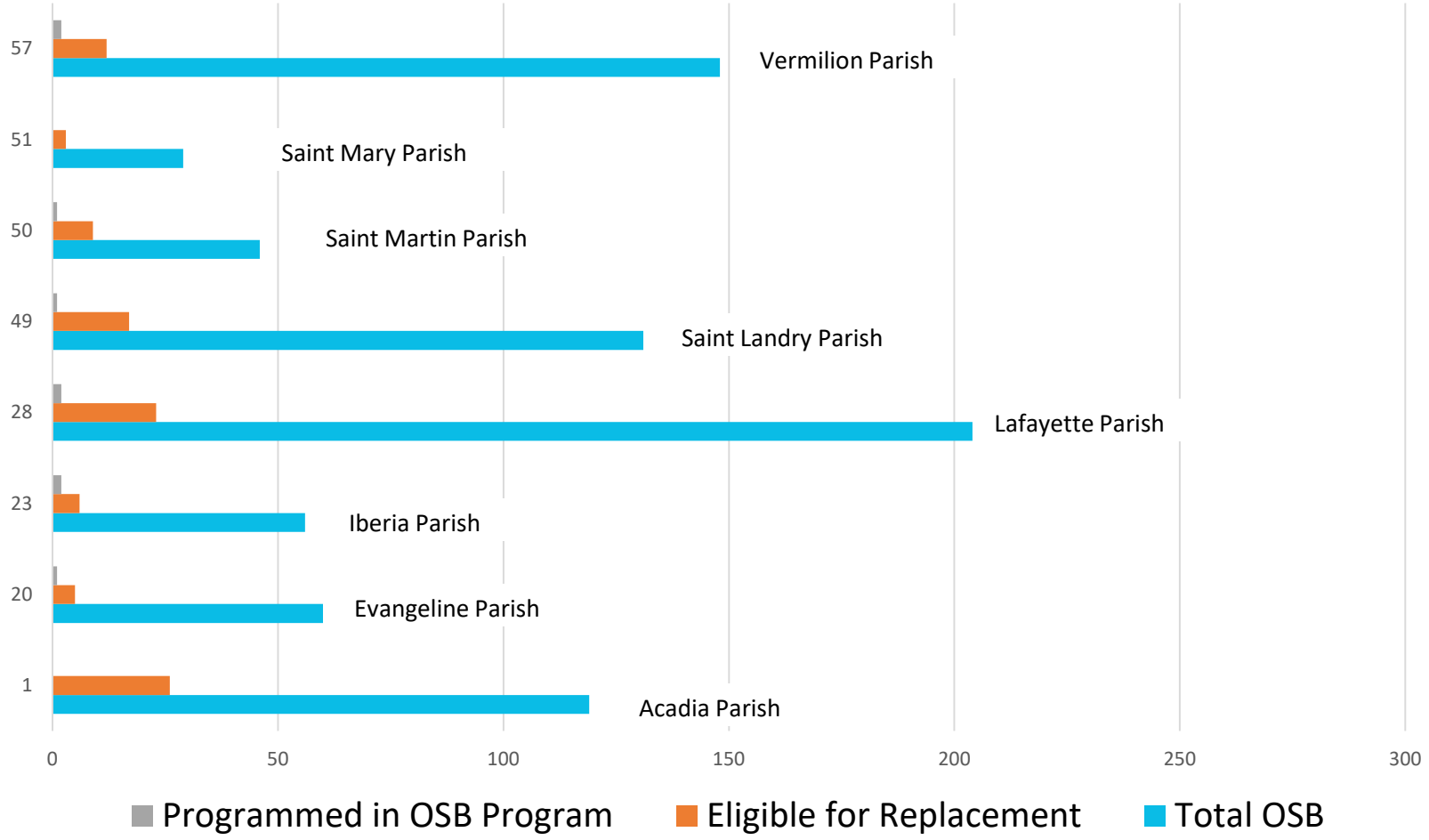
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District 02



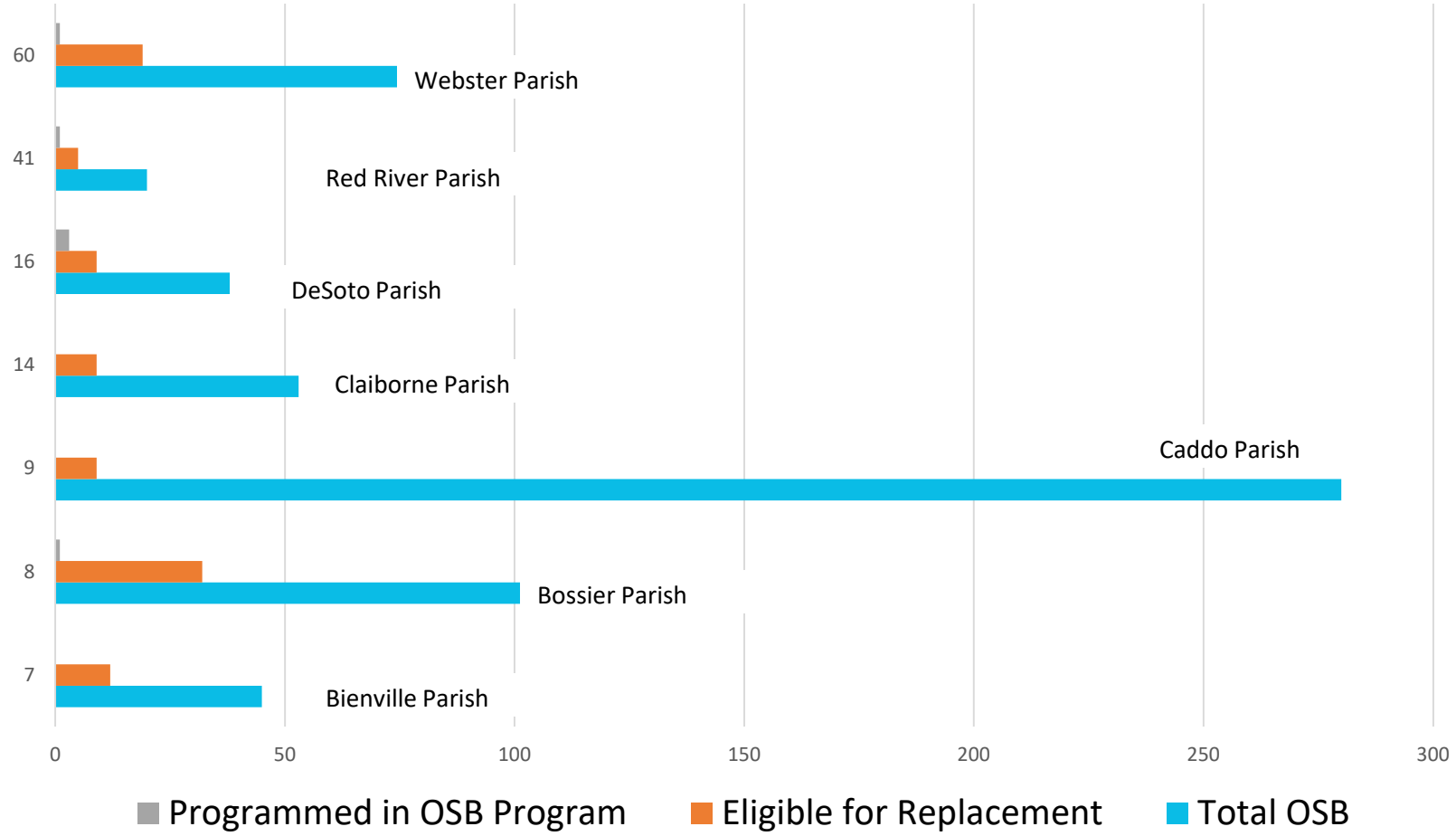
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District 03



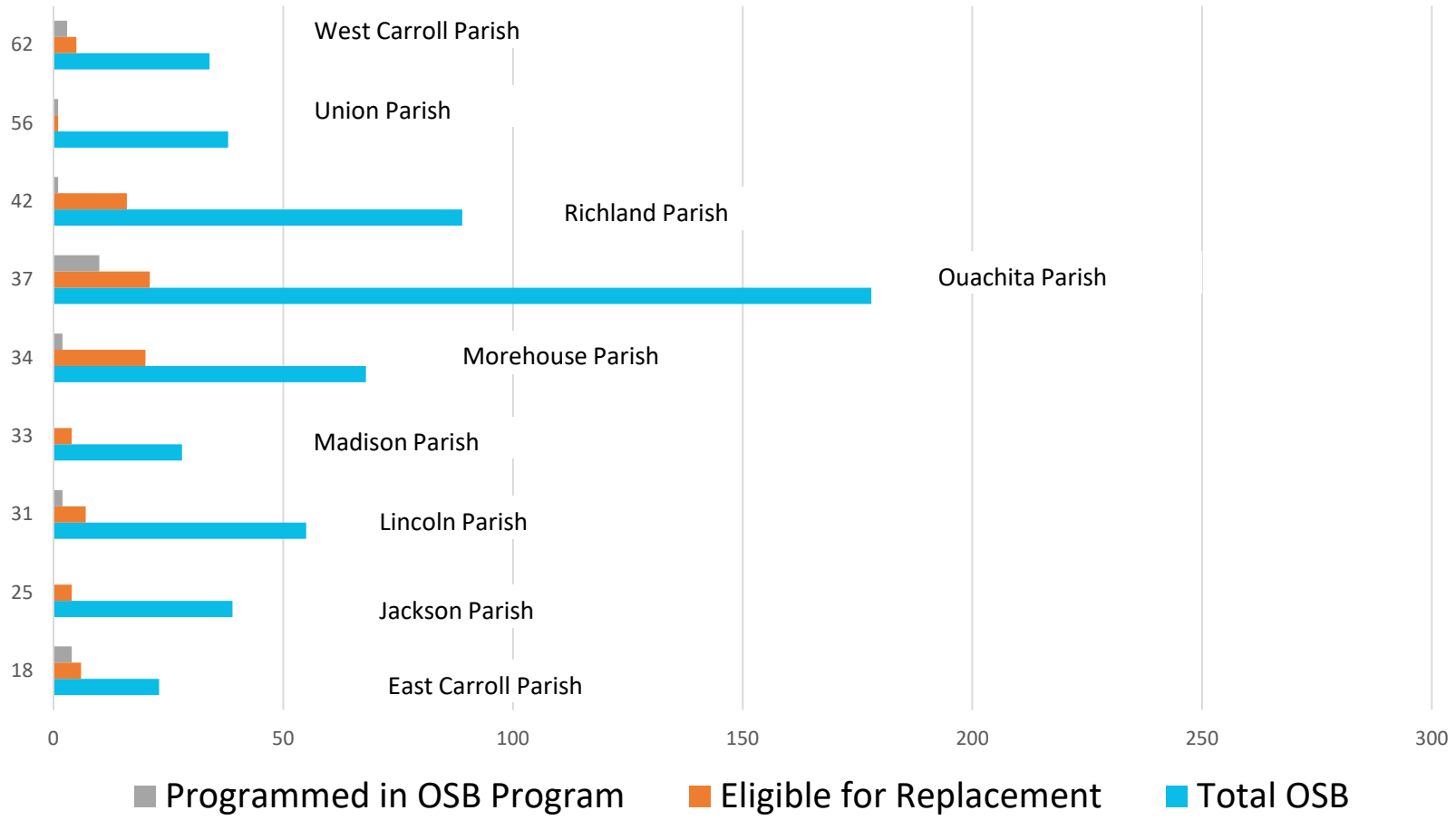
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District 04



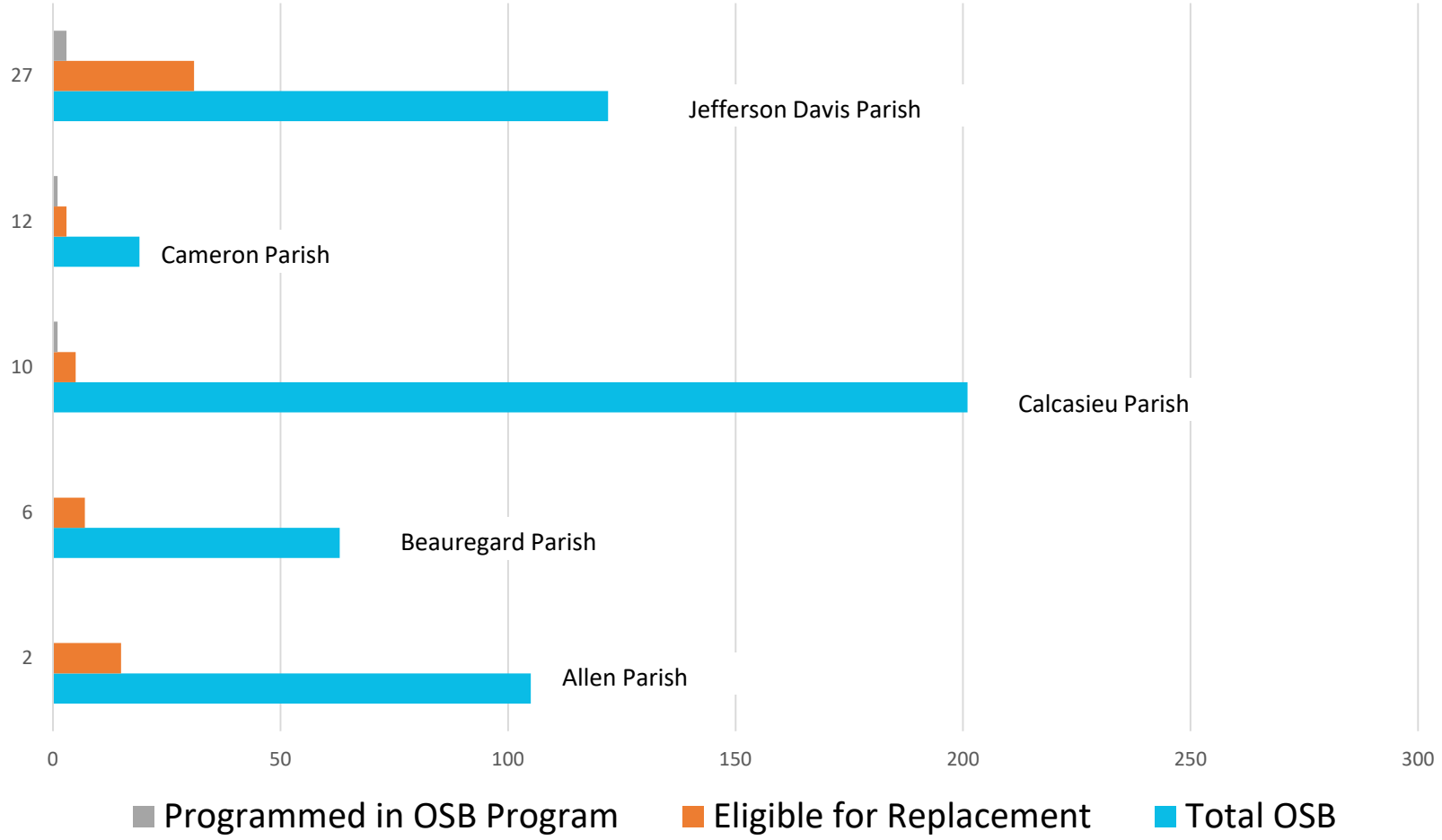
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District 05



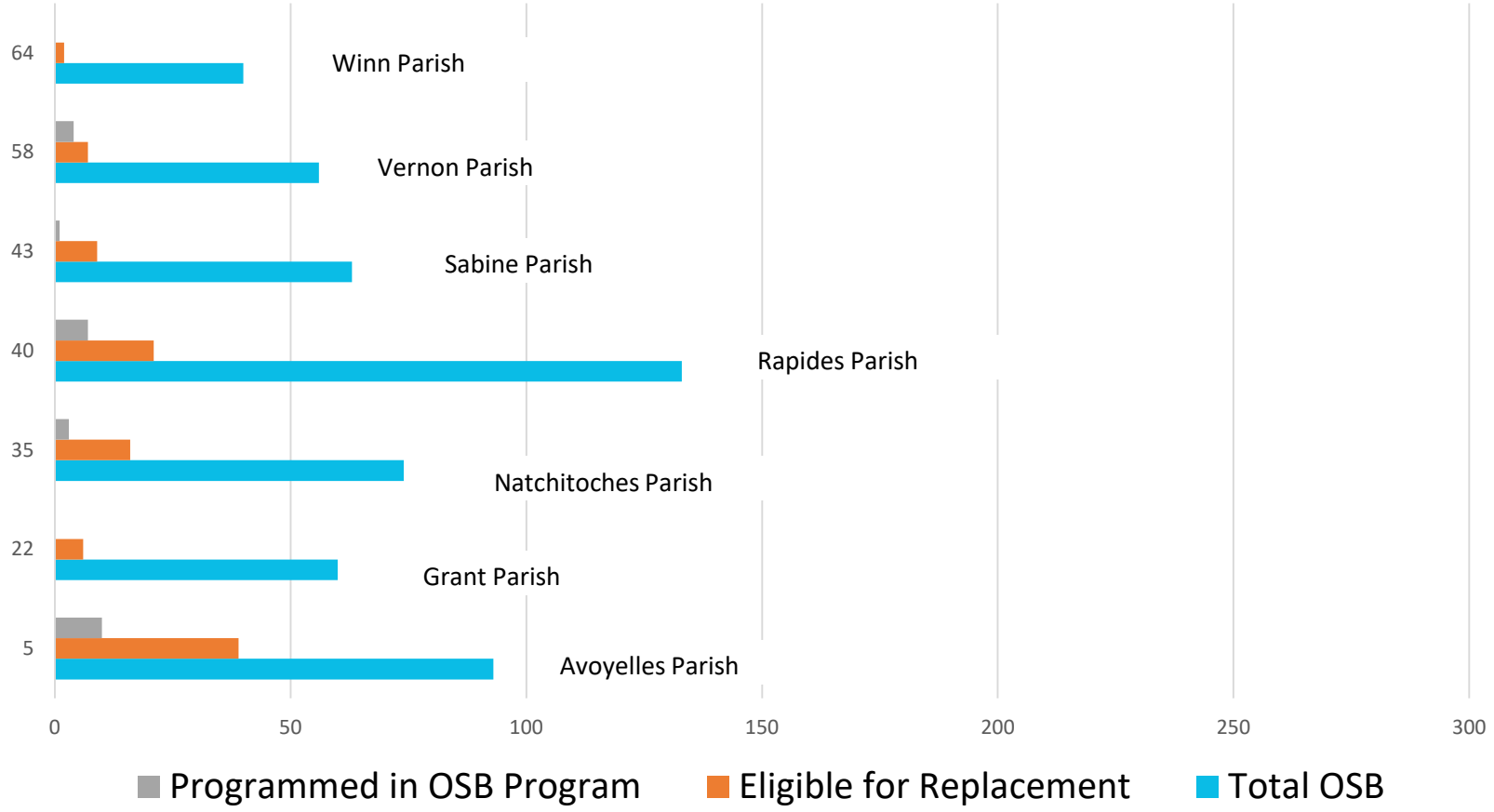
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District 07



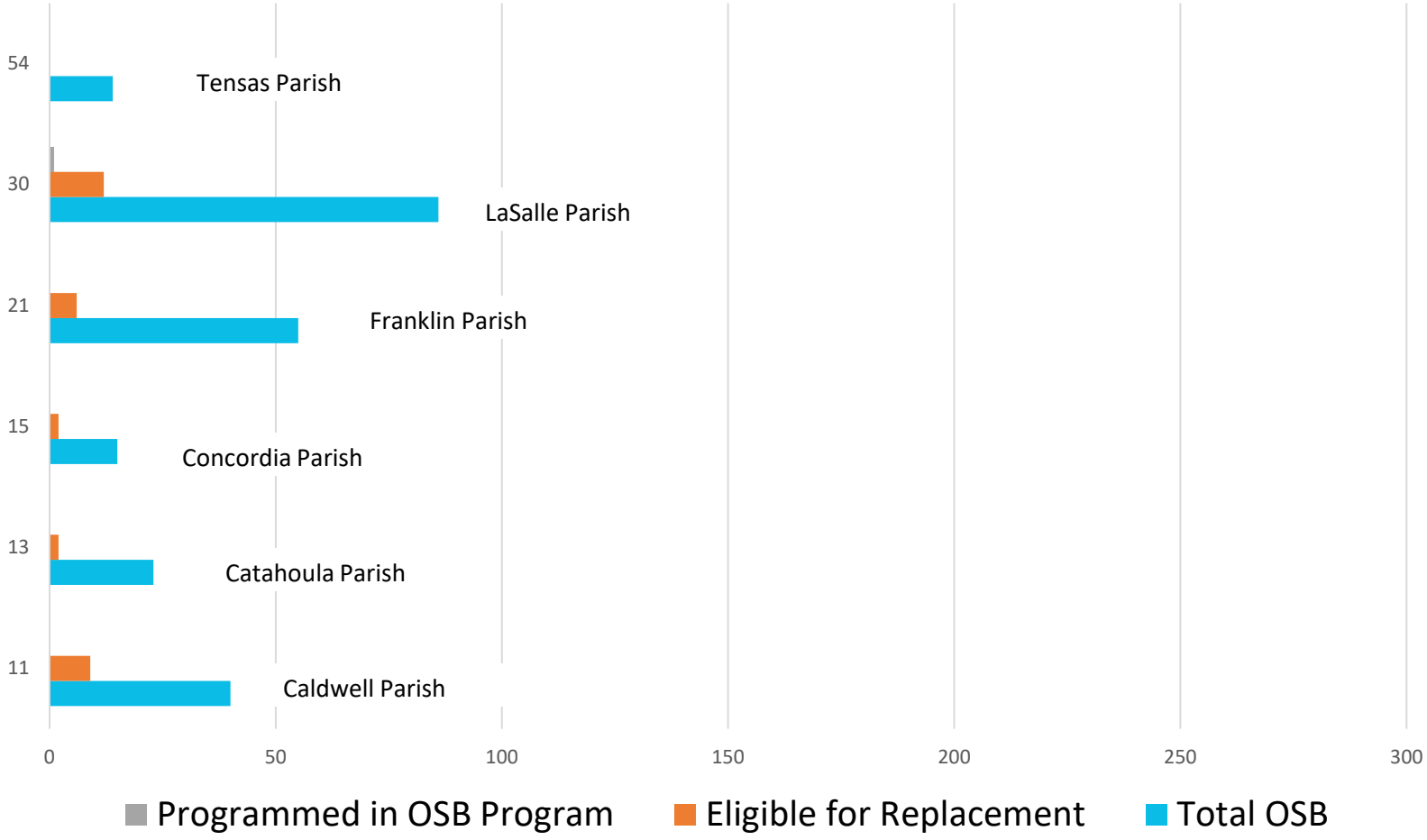
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District 08



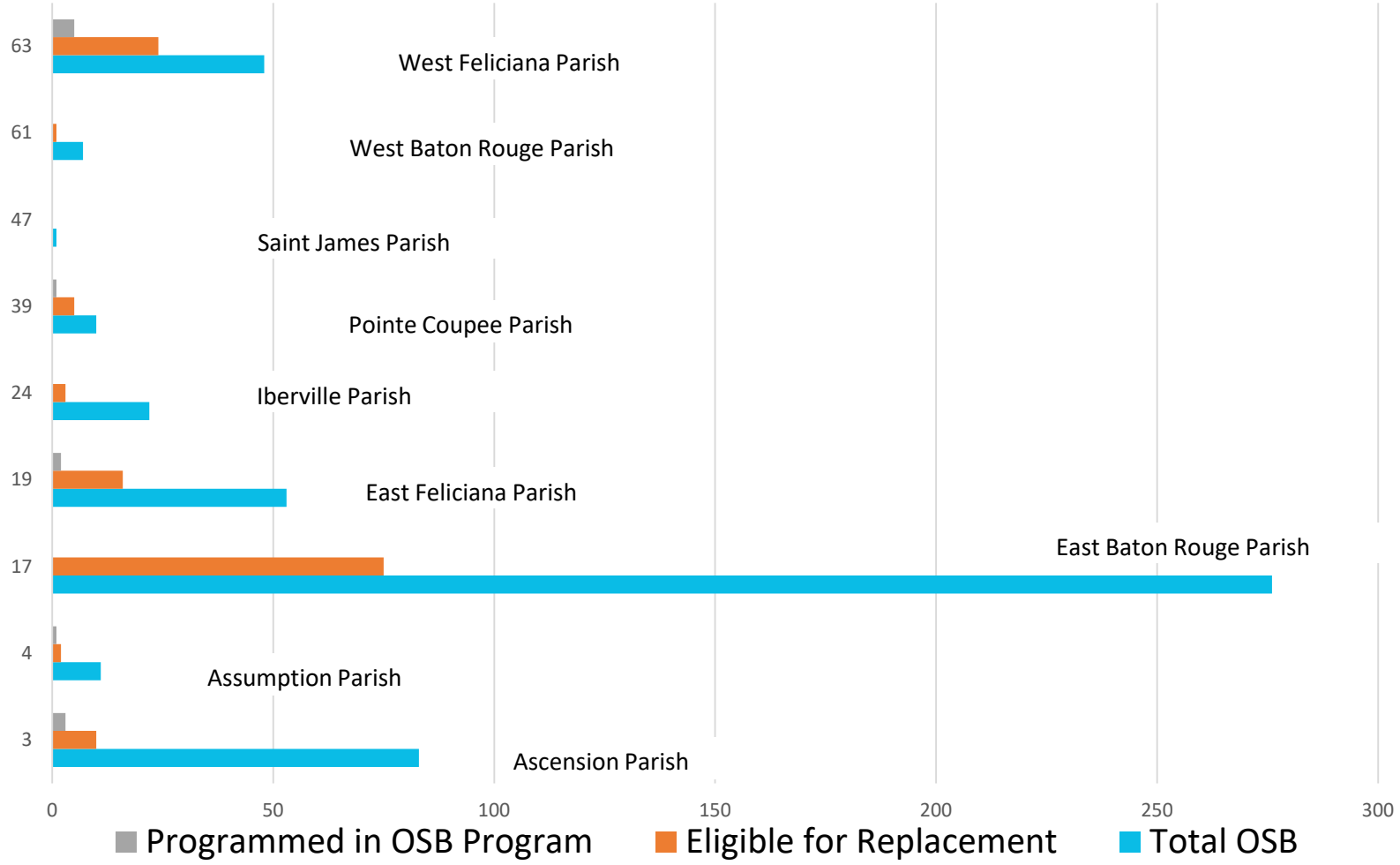
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District 58



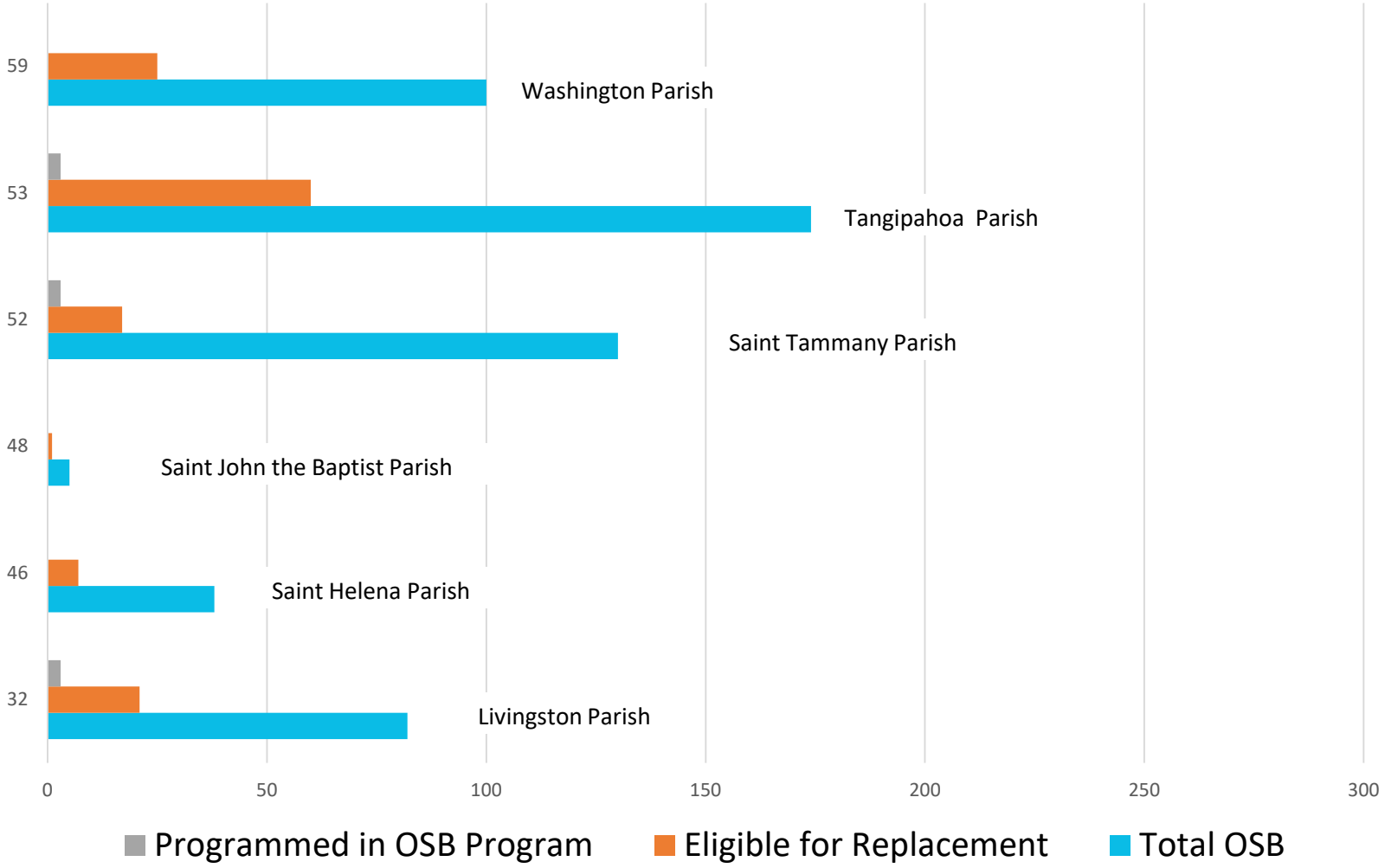
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District 61



LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

District 62



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Off-System Bridge Program

- 23 CFR 650.405 –Eligible Projects
  - Deficient highway bridges on all public roads are eligible for replacement or rehabilitation
  - Under the Highway Bridge Replacement and Rehabilitation Program (HBRRP)
    1. Replacement – Total replacement of a structurally deficient or functionally obsolete bridge with a new structure constructed in the same general traffic corridor.
       - Spot replacement
       - Replacement structure must meet current geometric, construction, and structural standards
       - Sufficiency Rating <50 and either structurally deficient or functionally obsolete
    2. Rehabilitation – The project requirements necessary to perform the major work required to restore the structural integrity of a bridge as well as work necessary to correct major safety defects.
       - Sufficiency Rating of ≤80

Off-System Bridge Program

- Purpose

  To replace or rehabilitate structurally deficient or functionally obsolete parish structures in a cost efficient manner. To provide design, detailed plans, and construction for replacement projects with emphasis on meeting the minimum design guidelines set by the Louisiana Department of Transportation and Development (DOTD) and Federal Highway Administration (FHWA).

Off-System Bridge Program

- **Participation**

  Parishes may participate in the Off-System Bridge Program only if they qualify for participation.

- **Qualification for Participation**

  I. Cooperative Endeavor Agreement
  II. Compliance

Off-System Bridge Program

- Qualification for Participation

  I. Cooperative Endeavor Agreement
     - An intergovernmental agreement between the DOTD, Parish, and FHWA
     - Duration of agreement is 10 years
     - Establishes responsibilities for each participant

Off-System Bridge Program

Cooperative Endeavor Agreement Responsibilities

DOTD

- Funding, as per H.B. 1
- Environmental Review
- Project Design
- Geotechnical and Hydraulic Review
- Construction Proposals
- Construction Estimate
- Award of Construction Contract
- Construction Inspection
- Record Retention
- Scheduled Inspections

Parish

- Resolution requesting projects
- Right-of-Way/Servitude acquisition
- Permits
- Utility relocation
- Railroad Coordination
- Environmental Clearances
- Permanent Traffic Control Devices
- Maintenance and Inspection
- Choose viable structures for replacement

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Off-System Bridge Program

- Programming Projects
  - Two year program cycle
  - DOTD provides participating Parishes with
    - The amount of funding available
    - A list of eligible structures and their estimated replacement costs
  - The Parish lists the structures in order of priority and within range of their available funds
  - DOTD District Bridge Maintenance Engineer reviews and approves the structures on the list

Off-System Bridge Program

Right-of-Way/Servitude Acquisition

- Environmental Clearance
- Sketches Provided by design consultant
- Parish is required to define the property boundaries
- Parish to acquire ROW/Servitude
- Use the correct procedure
  - *"LPA Right of Way Manual"* can be found at this link… *http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Real_Estate/Pages/Manuals.aspx*
  - Contact the DOTD Regional Right of Way Agent http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Real_Estate/Pages/default.aspx

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Off-System Bridge Program

- **Parish is responsible for providing**
  - Environmental Permits - CUP, Levee, WQC, and SSP
  - Railroad permits and insurance
  - Utility Relocation
  - 5-year Crash History
  - Design Exception/Waiver Resolutions
  - Detours
  - Permanent Pavement Markings

Off-System Bridge Program

Qualification for Participation

II. Compliance

The Parish must complete the “Annual Certification” confirming all maintenance requirements are met.

The DOTD Bridge Maintenance Engineer reviews the certification and determines that all maintenance requirements have been met and the Parish is in compliance.

LA DOTD OFF SYSTEM BRIDGE GUIDELINES AND COMPLIANCE REVIEW PROCESS

On the LTRC website

http://www.ltrc.lsu.edu/ltap/pdf/off_system_bridge_policy.pdf

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Table 1 – Bridge File Maintenance Responsibilities

File Component	LADOTD Responsibility	Local Owner Responsibility
Inspection Reports	Submit at each 24 mo inspection and maintain records of inspections	Maintain records of all interim inspections performed Notify LADOTD if responsible parties for inspection change
Channel Cross Sections/Stream Profiles	Plot at each 24 mo inspection	Plot at each interim inspection for every scour critical bridge or bridge with a scour plan of action
Special Inspection Procedures/Requirements	Document any unique procedures/requirements for inspections, such as fracture critical, underwater, complex, etc	Ensure special procedures are followed as necessary at interim inspections
Load Rating Documentation	Maintain load rating records, including plans, sketches and calculations Load rate locally owned timber bridges and notify owners of results	Provide load ratings as required by LADOTD EDSM I.1.1.15 Ensure that all bridges being added to LADOTD inventory have an updated and valid load rating
Critical Findings	Report critical findings monthly to FHWA and ensure that local owners address critical findings properly	Notify LADOTD of any critical finding per the procedures in Maintenance Directive #13
Scour Assessment	Maintain records of scour assessments	Perform a scour assessment on all bridges over water and provide LADOTD with a copy
Scour POA	Develop scour POAs for scour critical bridges and unknown foundations	-
Inventory and Evaluation Data and Collection Forms	Maintain and update records for bridge inventory and evaluation data Provide local bridge owners with copy of current bridge data on a semiannual basis	Provide LADOTD with all changes to bridge inventory data according to Maintenance Directive #8
Significant Correspondence	Maintain as part of the bridge file	Maintain as part of the bridge file
Maintenance Records	Ensure that local bridge owners are maintaining maintenance records	Maintain maintenance records for all bridges Notify LADOTD if responsible parties for maintenance change

Table 2 – Important Compliance Dates

April 30	Submittal of January Bridge Data Corrections
October 31	Submittal of July Bridge Data Corrections
November 15	Annual Resolution
	Plan of Corrective Action to Load Rate Bridges without Load Ratings
	Contact Information for Bridge Files, Inspection and Maintenance
December 31	Final Compliance Determination and Notification to Owners
February 1	Deadline to Submit Plan of Corrective Action for Conditional Compliance

Compliance Levels

1. ***Compliance*** – All conditions met.
2. ***Substantial Compliance*** – Most conditions met. Improvements should be made within the next compliance review year or risk being dropped to Conditional Compliance.
3. ***Conditional Compliance*** – Improvement must be made within the next review year or non-compliance will be enforced. A plan of corrective action must be submitted to address the issues resulting in Conditional Compliance.
4. ***Non-Compliance*** – Critical conditions not addressed or public safety has been impacted by failure to comply. Owner has not improved from Conditional Compliance from the previous review cycle.

Table 3 – Compliance Conditions and Levels

Condition	Level
1. Closed Bridges	
All bridges properly closed	Compliance
Any bridge open that should be closed with the owner's jurisdiction	Non-Compliance
2. Posted Bridges	
All bridges requiring posting are properly posted	Compliance
Not all bridges requiring posting properly posted	Conditional Compliance
3. Interim Inspections	
All inspections performed on time	Compliance
All inspections performed, but only some on time	Substantial Compliance
Inspections not performed	Non-Compliance
4. Load Ratings	
All bridges load rated	Compliance
Plan of corrective action submitted to rate remaining bridges missing ratings	Substantial Compliance
No plan of corrective action submitted for missing ratings	Non-Compliance
5. Bridge Data Corrections	
Corrections performed by deadlines	Compliance
Corrections submitted late	Substantial Compliance
No corrections submitted for one period	Conditional Compliance
No corrections submitted for either period	Non-Compliance
6. Annual Resolution and Contact Information	
Submitted	Compliance
Not submitted	Conditional Compliance
7. New Bridge Documentation	
Submitted on time	Compliance
Submitted after the 180 day window but with all documents	Conditional Compliance
Bridge opened to traffic without notification and/or proper documents	Non-Compliance
8. Failure to Respond to Critical Findings per MD #5	
Acceptable Response	Compliance
No Response upon any critical finding	Non-Compliance
9. Falsification of Inspection Reports or Bridge Data	
Non-falsified records	Compliance
Falsified records	Non-Compliance
10. Prior Conditional Compliance Status	
Full or Substantial Comp Prev Year	Compliance
Conditional Compliance Previous Year	Non-Compliance
11. Failure to Submit Plan of Corrective Action	
Plan Submitted	Compliance
Plan Not Submitted	Non-Compliance

More Mississippi bridges added to list; counties get 24 hours to begin closures

BY KENDRA ABLAZA APRIL 11, 2018

SHARE TWEET EMAIL PRINT SHARE MORE



Zachary Oren Smith, Mississippi Today

This 2016 photo shows a bridge over the Coldwater River in Tate County that was closed by MDOT due to its high degree of decay.

The number of city and county bridges the Mississippi Department of Transportation are ordered to close increased from 83 to 102 as of Wednesday, according to the Mississippi Department of Transportation and Mississippi Office of State Aid Road Construction documents.

https://mississippitoday.org/2018/12/10/over-500-mississippi-bridges-now-closed-more-likely-under-new-federal-standards/

Over 500 Mississippi bridges now closed; more likely under new federal standards

By Alex Rozier Mississippi Today Dec 10, 2018



An Amite County bridge closed by the state earlier this year.

R.L. Nave, Mississippi Today

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT






Stringer #6
Span #1
Stringer #5
Stringer #4
09/05/2018 09:42


09/05/2018 10:32






Billeaux Road Bridge / Bayou Carencro
St Landry Parish



Billeaux Road Bridge / Bayou Carencro

St Landry Parish

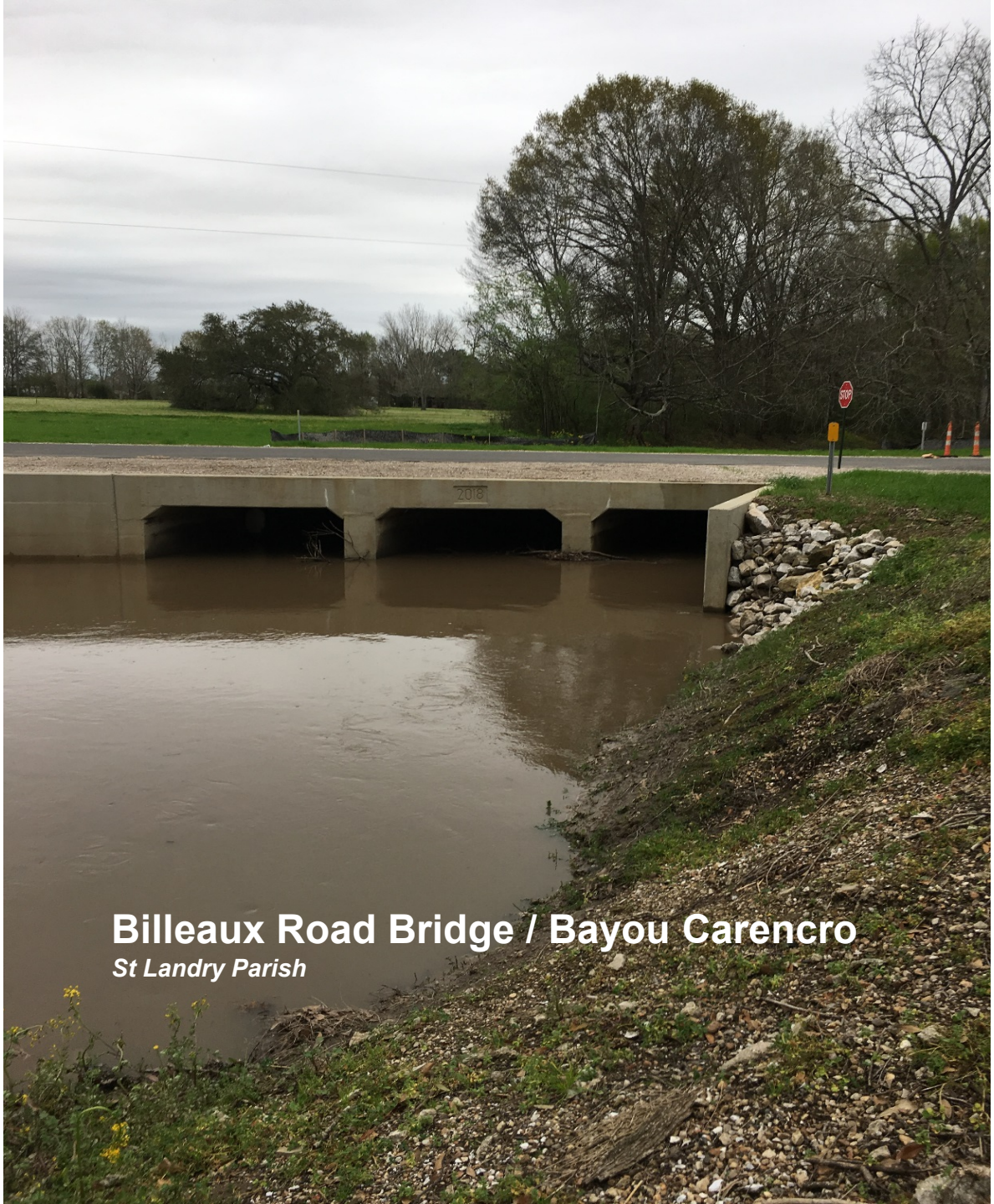


Billeaux Road Bridge / Bayou Carencro

St Landry Parish


Billeaux Road Bridge / Bayou Carencro
St Landry Parish
B2
Rinker


Billeaux Road Bridge / Bayou Carencro
St Landry Parish



Billeaux Road Bridge / Bayou Carencro

St Landry Parish


H.010941 Ratcliff Rd. Bridge
Over Duck Creek, Catahoula Parish


H.010941 Ratcliff Rd. Bridge
Over Duck Creek, Catahoula Parish


H.010941 Ratcliff Rd. Bridge
Over Duck Creek, Catahoula Parish
CAT


H.010941 Ratcliff Rd. Bridge
Over Duck Creek, Catahoula Parish


H.010941 Ratcliff Rd. Bridge
Over Ferry Bayou, Catahoula Parish


H.011788 Oak St. Bridge
Over Poydras Bayou,
West Baton Rouge Parish



Wisner Boulevard Bridge – Orleans Parish


Wisner Boulevard
Orleans Parish


Wisner Boulevard
Orleans Parish

Wisner Boulevard
Orleans Parish




Perkins Road Overpass
(Rehab) 713-17-0045
203963
US 2210


Perkins Road Overpass
(Rehab) 713-17-0045

H.006318 St. Ann Movable Bridge

Terrebonne Parish



H.006318 St. Ann Movable Bridge

Terrebonne Parish



H.010036 *Fuselier Road Bridge*
Evangeline Parish




H.010036 *Fuselier Road Bridge*
Evangeline Parish
STOP

Bayou Mercier Road / Berard Canal Bayou

H.010559 in St. Martin Parish



Bayou Mercier Road / Berard Canal Bayou

H.010559 in St. Martin Parish



Bayou Mercier Road / Berard Canal Bayou

H.010559 in St. Martin Parish




Thompson Creek Bridge 713-19- 0107
East Feliciana Parish



Thompson Creek Bridge 713-19- 0107

East Feliciana Parish


Thompson Creek Bridge 713-19- 0107
East Feliciana Parish


Good Hope Road Bridge
Natchitoches Parish


Good Hope Road Bridge
Natchitoches Parish


Good Hope Road Bridge
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Good Hope Road Bridge

Natchitoches Parish



Good Hope Road Bridge

Natchitoches Parish




Good Hope Road Bridges
Natchitoches Parish
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