

Proposed Roundabout at Causeway & Monroe - 8/5/16
MANDEVILLE, ST. TAMMANY PARISH, LOUISIANA
Engineer's Opinion of Probable Cost

ITEM NO.	ITEM	UNIT	QUANTITY	UNIT COST	TOTAL
Non-Construction					
	R.O.W. Land Cost	SF	16500	\$20.00	\$330,000.00
	R.O.W. Legal Cost	LS	1	\$50,000.00	\$50,000.00
Demolition & Earthwork					
201-01-00100	CLEARING AND GRUBBING	LS	1	\$10,000.00	\$10,000.00
202-01-00100	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1	\$35,000.00	\$35,000.00
202-02-32120	REMOVAL OF PIPE (SIDE DRAIN) (18" RCP)	LF	300	\$20.00	\$6,000.00
202-02-32140	REMOVAL OF PIPE (STORM DRAIN) (24" RCP)	LF	350	\$19.70	\$6,895.00
202-02-32500A	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT	SY	7620	\$10.16	\$77,419.20
202-02-38300	REMOVAL OF SIGNS AND U-CHANNEL POST	EACH	5	\$43.40	\$217.00
202-03-38000	RELOCATION OF SIGNS (WITH U-CHANNEL POST)	EACH	5	\$43.40	\$217.00
203-05-00100	EXCAVATION AND EMBANKMENT	LS	1	\$100,000.00	\$100,000.00
204-02-00100	TEMPORARY HAY OR STRAW BALES	EACH	5	\$150.00	\$750.00
204-05-00200	TEMPORARY SEDIMENT CHECK DAMS (STONE)	EACH	5	\$150.00	\$750.00
Pavement					
302-02-02000	CLASS II BASE COURSE (6" THICK)	SY	6800	\$21.31	\$144,908.00
305-01-04000	SUBGRADE LAYER (12" THICK)	SY	6800	\$17.49	\$118,932.00
601-01-00500	PORTLAND CEMENT CONCRETE PAVEMENT (10" THICK)	SY	6560	\$76.85	\$504,136.00
601-01-01300	PORTLAND CEMENT CONCRETE PAVEMENT (14" THICK) (STAMPED AND STAINED)	SY	240	\$175.80	\$42,192.00
S-001	TEMPORARY PAVEMENT	SY	2000	\$68.80	\$137,600.00
S-002	REMOVAL OF TEMPORARY PAVEMENT	SY	2000	\$10.07	\$20,140.00
Drainage					
701-03-01020	STORM DRAIN PIPE (18" RCP)	LF	350	\$57.20	\$20,020.00
701-03-01040	STORM DRAIN PIPE (24" RCP)	LF	400	\$68.30	\$27,320.00
701-15-00100	CONCRETE COLLAR	EACH	4	\$616.60	\$2,466.40
702-03-00100	CATCH BASIN (CB-01 / CB-06)	EACH	10	\$2,500.00	\$25,000.00
702-04-00150	ADJUSTING MANHOLE WITH MANHOLE ADJUSTMENT RING	EACH	3	\$780.00	\$2,340.00
Curb					
706-03-00200	INCIDENTAL CONCRETE PAVEMENT (5" THICK)	SY	100	\$108.05	\$10,805.00
707-01-00200	CONCRETE CURB (BARRIER)	LF	4975	\$14.95	\$74,376.25
707-01-00300	CONCRETE CURB (MOUNTABLE)	LF	250	\$17.50	\$4,375.00
Traffic Control					
713-01-00100	TEMPORARY SIGNS AND BARRICADES	LS	1	\$15,000.00	\$15,000.00
713-04-01000	TEMPORARY PAVEMENT MARKINGS (SOLID LINE) (4" WIDTH)	MILE	0.6	\$586.00	\$351.60
727-01-00100	MOBILIZATION	LS	1	\$15,000.00	\$15,000.00
729-01-00102	SIGN (TYPE A) (FURNISH AND INSTALL)	SF	100	\$20.80	\$2,080.00
729-21-00100	U-CHANNEL POST	EACH	19	\$88.80	\$1,687.20
732-01-02040	PLASTIC PAVEMENT STRIPING (8" WIDTH) (THERMOPLASTIC 125 MIL)	LF	450	\$2.32	\$1,044.00
732-01-04080	PLASTIC PAVEMENT STRIPING (12" / 24" WIDTH) (PERFORMED RETROFLECTIVE THERMOPLASTIC) (HEAT APPLIED) (125 MIL)	LF	645	\$10.00	\$6,450.00
732-02-02000	PLASTIC PAVEMENT STRIPING (SOLID LINE) (4" WIDTH) (THERMOPLASTIC 90 MIL)	MILE	0.65	\$4,502.25	\$2,926.46
732-03-02010	PLASTIC PAVEMENT STRIPING (DOTTED LINE) (4" W) (2' L) (THERMO 90 MIL)	MILE	0.1	\$5,689.22	\$568.92
732-04-25020	PLASTIC PAVEMENT LEGENDS AND SYMBOLS (YIELD LINE)	EACH	2	\$214.30	\$428.60
S-003	PLASTIC PAVEMENT LEGENDS AND SYMBOLS (TURN ARROWS AND STRAIGHT ARROWS)	EACH	11	\$400.00	\$4,400.00
S-004	PLASTIC PAVEMENT LEGENDS AND SYMBOLS (TURN/THRU ARROWS)	EACH	5	\$400.00	\$2,000.00
S-005	PLASTIC PAVEMENT LEGENDS AND SYMBOLS (FISH HOOKS)	EACH	6	\$1,500.00	\$9,000.00
S-006	PLASTIC PAVEMENT LEGENDS AND SYMBOLS ("ONLY")	EACH	6	\$440.00	\$2,640.00
Miscellaneous					
739-01-00100	HYDRO-SEEDING	ACRE	0.5	\$2,188.00	\$1,094.00
740-01-00100	CONSTRUCTION LAYOUT	LS	1	\$20,000.00	\$20,000.00
S-007	STREET LIGHTS AND WIRING	EACH	10	\$3,500.00	\$35,000.00
Utility					
740-02-00100	UTILITY OVERSIGHT AND COORDINATION	LS	1	\$20,000.00	\$20,000.00
S-007	MISC. UTILITY RELOCATION	LS	1	\$30,000.00	\$30,000.00
NS-600-00220	SAWCUTTING PORTLAND CEMENT CONCRETE PAVEMENT	IN-LF	2025	\$2.15	\$4,353.75

SUBTOTAL	\$1,890,883.38
UNIT COST ADJUSTMENT	\$ 226,632.51
10% CONTINGENCY	\$ 211,751.59
ADJUSTED TOTAL	\$ 2,329,267.48

ASSUMPTIONS

- *Unit costs were taken from a roundabout bid tab from 2011. The unit costs were marked up by 15% for inflation.
- *The DDG plan titled P-5 was used to prepare this estimate. This plan is based only on available aerial images and not on Survey information.
- *Additional R.O.W. will need to be acquired from the gas station to the North of the proposed roundabout (assumed 15,000 SF) and the property owner at the Northeast corner of the proposed roundabout (assumed 1500 SF).
- *All improvements are approximated based on sound engineering judgement; however, the scope is subject to change based on in depth design, analysis, due diligence, and comments from the Authority Having Jurisdiction.
- *All storm drain pipe and structures are assumed unsuitable for reuse and will be removed and replaced.
- *All existing pavement is unsuitable for reuse and will be demolished and replaced.