

TYPE	YEAR	COUNTY	FIGURE NO.
TR	2018	HENDERSON	1



2/6/2018 14:53 PM X:\Projects\Henderson\Fred Odie Drive Extension\Project Files\Microstation\ConceptualPlans (DGN & PDF)\Fred Odie Drive Extension.dgn



TECHNICAL REPORT

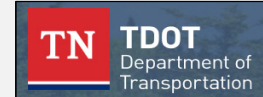
FRED ODIE DRIVE
0.45 MILE EXTENSION
HENDERSON COUNTY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
S.T.I.D.

FIGURE 1
LOCAL ROAD
EXTENSION

COST ESTIMATE SUMMARY

Route: Fred Odie Drive Extension
Description: from Wal-Mart to Old Jackson Road
County: Henderson
Length: 0.44 miles
Date: February 22, 2018



DESCRIPTION	LOCAL	STATE	FEDERAL	TOTAL
	20%	0%	80%	
Construction Items				
Pavement Removal	\$0	\$0	\$0	\$0
Asphalt Paving	\$85,500	\$0	\$342,100	\$427,600
Concrete Pavement	\$0	\$0	\$0	\$0
Drainage	\$13,000	\$0	\$51,800	\$64,800
Appurtenances	\$0	\$0	\$0	\$0
Structures	\$63,000	\$0	\$252,000	\$315,000
Fencing	\$0	\$0	\$0	\$0
Signalization	\$0	\$0	\$0	\$0
Railroad Crossing or Separation	\$0	\$0	\$0	\$0
Earthwork	\$51,100	\$0	\$204,500	\$255,600
Clearing and Grubbing	\$0	\$0	\$0	\$0
Seeding & Sodding	\$4,100	\$0	\$16,500	\$20,600
Rip-Rap or Slope Protection	\$0	\$0	\$0	\$0
Guardrail	\$4,800	\$0	\$19,400	\$24,200
Signing	\$200	\$0	\$900	\$1,100
Pavement Markings	\$1,000	\$0	\$4,200	\$5,200
Maintenance of Traffic	\$0	\$0	\$0	\$0
Mobilization (5%)	\$11,100	\$0	\$44,600	\$55,700
Other Items = 10%	\$23,400	\$0	\$93,600	\$117,000
Const. Contingency = 15%	\$29,200	\$0	\$116,600	\$145,800
Construction Estimate	\$286,500	\$0	\$1,146,100	\$1,432,600
Interchanges & Unique Intersections				
Roundabouts	\$0	\$0	\$0	\$0
Interchanges	\$0	\$0	\$0	\$0
Right-of-Way & Utilities				
	LOCAL	STATE	FEDERAL	TOTAL
	20%	0%	0%	
Right-of-Way	\$0	\$0	\$0	\$0
Utilities	\$0	\$0	\$0	\$0
Preliminary & Construction Engineering and Inspection				
Prelim. Eng. 10%	\$28,700	\$0	\$114,600	\$143,300
Const. Eng. & Inspec. 10%	\$28,700	\$0	\$114,600	\$143,300
Total Project Cost	\$343,900	\$0	\$1,375,300	\$ 1,719,000

PAY ITEM SUMMARY

UNUSED
ITEMS

** DO NOT ADJUST COLUMN E **

** MAKE ALL ADJUSTMENTS TO QUANTITIES IN COLUMN F **

TDOT PAY ITEM	TDOT DESCRIPTION	UNIT	TOOL QUANTITIES	ADDITIONAL QUANTITIES	TOOL QUANTITIES + ADDITIONAL QUANTITIES	Statewide UNIT COST	TOTAL COST
Asphalt Roads							
303-01	Mineral Aggregate, Type A Base, Grading D	TON	5463		5463	\$ 31.51	\$ 172,148.59
307-02.01	Asphalt Concrete Mix (PG70-22) (BPMB-HM) Grading A	TON	1069		1069	\$ 99.75	\$ 106,602.46
307-02.08	Asphalt Concrete Mix (PG70-22) (BPMB-HM) Grading B-M2	TON	700		700	\$ 112.23	\$ 78,565.94
402-01	Bituminous Material For Prime Coat (PC)	TON	10		10	\$ 706.77	\$ 7,076.54
402-02	Aggregate For Cover Material (PC)	TON	36		36	\$ 64.67	\$ 2,337.03
403-01	Bituminous Material For Tack Coat (TC)	TON	6		6	\$ 778.07	\$ 4,382.07
411-01.07	ACS (PG64-22) GR "E"	TON	83		83	\$ 112.25	\$ 9,344.47
411-02.10	ACS Mix(PG70-22) Grading D	TON	410		410	\$ 114.67	\$ 47,064.34
PAVING TOTAL (ROUNDED)							\$ 427,600
Drainage							
607-05.02	24" Concrete Pipe Culvert (Class III)	LF	255		255	\$ 84.79	\$ 21,637.32
611-07.01	Class A Concrete (Pipe Endwalls)	CY	14		14	\$ 1,036.75	\$ 14,688.74
611-07.02	Steel Bar Reinforcement (Pipe Endwalls)	LB	1346		1346	\$ 2.29	\$ 3,082.13
710.02	Aggregate Underdrains (with pipe)	LF	4646		4646	\$ 5.46	\$ 25,369.34
DRAINAGE TOTAL (ROUNDED)							\$ 64,800
Appurtenances							
ROADWAY AND PAVEMENT APPURTENANCES TOTAL (ROUNDED)							\$ -
Earthwork & Mineral							
105-01	Construction Stakes, Lines, and Grades	LS	1	-0.5	0.5	\$ 112,407.96	\$ 56,203.98
203-01	Road & Drainage Excavation (Unclassified)	CY	6815		6815	\$ 16.75	\$ 114,121.24
203-03	Borrow Excavation (Unclassified)	CY	5679		5679	\$ 15.01	\$ 85,255.32
EARTHWORK & MINERAL TOTAL (ROUNDED)							\$ 255,600
Structures							
N/A	New Bridge (Concrete Girder)	SF	2520		2520	\$ 125.00	\$ 315,000.00
STRUCTURES TOTAL (ROUNDED)							\$ 315,000
Guardrail							
705-01.01	Guardrail at Bridge Ends	LF	100		100	\$ 73.64	\$ 7,364.49
705-02.02	Single Guardrail (Type 2)	LF	116		116.16	\$ 18.82	\$ 2,186.57
705-04.07	Tan Energy Absg Term (NCHRP, 350, TL3)	EA	5	-1	4	\$ 2,352.59	\$ 9,410.38
705-04.09	Earth Pad for Type 38 GR End Treatment	EA	5	-1	4	\$ 1,294.80	\$ 5,179.21
GUARDRAIL TOTAL (ROUNDED)							\$ 24,200
Seeding and Sodding							
801-01	Seeding (With Mulch)	UNIT	174		174	\$ 74.85	\$ 13,042.05
801-01.07	Temporary Seeding (With Mulch)	UNIT	131		131	\$ 29.64	\$ 3,873.01
801-02	Seeding (Without Mulch)	UNIT	131		131	\$ 27.75	\$ 3,626.33
SODDING TOTAL (ROUNDED)							\$ 20,600
Maintenance of Traffic							
N/A	Traffic Control	LS	1		1	\$ -	\$ -
712-02.02	Interconnected Portable Barrier Rail	LF	116	-116	0	\$ 31.96	\$ -
MAINTENANCE OF TRAFFIC TOTAL (ROUNDED)							\$ -
Signs							
Not Listed	Signs (Construction)	LS	1		1	\$ -	\$ 1,100
SIGNING TOTAL (ROUNDED)							\$ 1,100
Pavement Markings							
716-13.06	Spray Thermo P.M. (40 mil 4")	LM	3.3	-1.54	1.8	\$ 2,879.42	\$ 5,194.47
PAVEMENT MARKINGS TOTAL (ROUNDED)							\$ 5,200