

TOTAL PROJECT COST

Dallas North Tollway
Phase 4A - DNT @ US 380 to FM 428

PRELIMINARY/CONCEPTUAL ESTIMATE OF PROBABLE COSTS OF CONSTRUCTION**LEVEL "E" PHASE I CONSTRUCTION ESTIMATE****LIMITS: SOUTHBOUND SERVICE ROAD AND CROSS-STREETS FROM US 380 TO FM 428**

Created By: **Nelson Underwood**
 Date: **29-Oct-08**
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 Date: **11/20/2008**

Official Estimate Date: **2/20/2009**
 Mid-point of Anticipated Construction: **5/1/2011**

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	SUBTOTAL COST
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1.0 ROADWAY

1	ROW Prep	320	Sta.	\$ 1,500	\$ 480,000
1	Mainlane Pavement		SY	\$ 85	\$ -
1	Frontage Road Pavement	95,185	SY	\$ 72	\$ 6,853,320
1	Ramp Pavement		SY	\$ 85	\$ -
1	Cross Street Pavement	52,265	SY	\$ 72	\$ 3,763,080
1	Monolithic Curb	55,555	LF	\$ 5	\$ 277,775
1	Pavement Striping (Solid)	12,200	LF	\$ 8	\$ 97,600
1	Pavement Striping (Broken)	8,715	LF	\$ 6	\$ 52,290
1	Concrete Traffic Barrier		LF	\$ 50	\$ -
1	Excavation	106,330	CY	\$ 7	\$ 744,310
1	Embankment	201,635	CY	\$ 9	\$ 1,814,715
1	Moisture Treated Subgrade	142,835	CY	\$ 3	\$ 428,505
1	Embankment (Borrow)		CY	\$ -	\$ -
SUBTOTAL ROADWAY					\$ 14,511,595

2.0 STRUCTURES

2	Main Lane Bridge (Standard)		SF	\$ 65	\$ -
2	Main Lane Bridge (Special)		SF	\$ 100	\$ -
2	Frontage Road Bridge (Standard)	51,565	SF	\$ 65	\$ 3,351,725
2	Frontage Road Bridge (Special)		SF	\$ 100	\$ -
2	Ramp Bridge (Standard)		SF	\$ 65	\$ -
2	Ramp Bridge (Special)		SF	\$ 100	\$ -
2	Cross Street Bridge		SF	\$ 65	\$ -
2	Retaining Wall (Cut)		SF	\$ 90	\$ -
2	Retaining Wall (Fill)		SF	\$ 45	\$ -
SUBTOTAL STRUCTURES					\$ 3,351,725

3.0 DRAINAGE

3	Drainage - Mainlanes	4	MI	\$ 2,500,000	\$ 10,000,000
SUBTOTAL DRAINAGE					\$ 10,000,000

4.0 MISCELLANEOUS

4	Demolition - Structures		SY	\$ -	\$ -
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ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	SUBTOTAL COST
4	Demolition - Pavement		SY	\$ 15	\$ -
4	Sodding including Top Soil	79,000	SY	\$ 5	\$ 395,000
4	Intersection Signalization	14	EA	\$ 75,000	\$ 1,050,000
4	Signage		STA	\$ 5,000	\$ -
4	Lighting		STA	\$ 9,000	\$ -
4	Landscape		MI.	\$ 500,000	\$ -
4	SWP3	325	STA	\$ 2,100	\$ 682,500
4	Soundwalls		SF	\$ 60	\$ -
4	R.O.W. Fence	32,000	LF	\$ 25	\$ 800,000
4	Environmental Mitigation		LS	\$ -	\$ -
4	Mow Strip		CY	\$ 500	\$ -
SUBTOTAL MISCELLANEOUS					\$ 2,927,500

5.0 PLAZAS and ITS

5	Mainlane Gantries		Each	\$ 2,000,000	\$ -
5	Mainlane Gantry Operation Building		Each	\$ 5,000,000	\$ -
5	Ramp Gantries		Lane	\$ 300,000	\$ -
5	CCTV		Each	\$ 50,000	\$ -
5	Dynamic Messaging Sign		Each	\$ 160,000	\$ -
5	Fiber Optic (2 Operational Conduits)		Mile	\$ 250,000	\$ -
5	Pavement Sensors		Each	\$ 30,000	\$ -
5	Traffic Sensors		Each	\$ 20,000	\$ -
5	Speed Map		Each	\$ 20,000	\$ -
5	Gantry Signage		Lane	\$ 50,000	\$ -
SUBTOTAL PLAZAS and ITS					\$ -

CONSTRUCTION COST SUMMARY

SUBTOTAL CONSTRUCTION	\$ 30,790,820
Mobilization (10%)	\$ 3,079,082
Sub-Total Construction	\$ 33,869,902
Construction Contingency (20%)	\$ 6,773,980
TOTAL CONSTRUCTION COST (CURRENT DOLLARS)	\$ 40,643,882