

CONSTRUCTION COST ESTIMATE

Project: US 75 over 81st St- Tulsa County
ODOT Proj. No.: J3-0374(004)
Job Piece No.: 30374(04)
Project Section: 81st Street DDI - COT Responsibility

City of Tulsa Participation

Roadway Items		Quantity	Unit	Unit Cost	Item Cost
Earthwork					
201(A)	CLEARING AND GRUBBING	1	LSUM	\$7,000	\$7,000
202(A)	UNCLASSIFIED EXCAVATION	14,866	CY	\$12	\$178,397
	SEDIMENT CONTROL	1.35	AC	\$5,000	\$6,750
220	SWPPP DOCUMENTATION AND MANAGEMENT	1	LSUM	\$2,500	\$2,500
Roadside Development					
205(A)	TYPE A-SALVAGED TOPSOIL	907	CY	\$6	\$5,442
230(A)	SOLID SLAB SODDING	6,527	SY	\$4	\$26,108
232(A)	SEEDING METHOD A	1.35	AC	\$3,500	\$4,725
233(A)	VEGETATIVE MULCHING	1.35	AC	\$750	\$1,013
241	MOWING	2.70	AC	\$300	\$810
Bases					
303(A)	AGGREGATE BASE TYPE A	2,513	CY	\$60	\$150,780
307(K)	STABILIZED SUBGRADE	10,688	SY	\$6	\$64,128
325	SEPARATOR FABRIC	7,712	SY	\$2	\$15,424
Surface Courses					
402(E)	TRAFFIC BOUND SURFACE COURSE TYPE E	117	TON	\$30	\$3,510
407(B)	TACK COAT	615	GAL	\$5	\$3,075
411(B)	SUPERPAVE, TYPE S3 (PG 64-22 OK)	1,632	TON	\$85	\$138,720
411(C)	SUPERPAVE, TYPE S4 (PG 64-22 OK)	453	TON	\$105	\$47,565
414(B)	DOWEL JOINTED P.C.C.PAVT. (PLACEMENT)	5,570	SY	\$30	\$167,100
414(G)	P.C. CONCRETE FOR PAVEMENT	1,393	CY	\$195	\$271,635
Incidental Construction					
609(A)	CONC. CURB (8" BARRIER-INTEGRAL)	1,484	LF	\$10	\$14,840
609(A)	CONC. CURB (8" BARRIER-DOWELLED)	765	LF	\$30	\$22,950
610(A)	4" CONCRETE SIDEWALK	1,735	SY	\$70	\$121,450
610(C)	8" CONCRETE DIVIDING STRIP	245	SY	\$125	\$30,625
611(G)	INLET W/ LRG. JCT. BOX, CI DES.2 (B)	1	EA	\$9,500	\$9,500
611(G)	INLET, CI DES. 2 (B)	1	EA	\$6,000	\$6,000
611(H)	ADD'L DEPTH IN INLET W/ LJB, CI DES. 2	4	VF	\$800	\$3,200
611(H)	ADD'L DEPTH IN INLET, CI DES. 2	3	VF	\$500	\$1,500
613(A)	18" R.C.PIPE CLASS III	1,072	LF	\$100	\$107,200
619(A)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	1	LSUM	\$5,000	\$5,000
619(B)	REMOVAL OF HEADWALL	1	EA	\$1,500	\$1,500
619(B)	REMOVAL OF CURB AND GUTTER	532	LF	\$10	\$5,320
619(B)	REMOVAL OF CONCRETE PAVEMENT	2,213	SY	\$9	\$19,917
619(B)	REMOVAL OF ASPHALT PAVEMENT	4,894	SY	\$5	\$24,470
619(B)	REMOVAL OF DRAINAGE INLETS	2	EA	\$750	\$1,500
619(B)	REMOVAL OF MANHOLES	1	EA	\$750	\$750
619(B)	REMOVAL OF SIDEWALK	210	SY	\$15	\$3,150
619(B)	REMOVAL OF CONCRETE SLOPE PROTECTION	459	SY	\$12	\$5,508
619(B)	REMOVAL OF CONCRETE DITCH LINER	897	LF	\$10	\$8,970
619(B)	REMOVAL OF EXISTING PIPE	221	LF	\$15	\$3,315
619(C)	SAWING PAVEMENT	119	LF	\$6	\$714
SPECIAL	SPECIAL INLET, DES. 1	8	EA	\$7,000	\$56,000
SPECIAL	ADD'L DEPTH IN SPECIAL INLET, DES. 1	3	VF	\$800	\$2,400
Subtotal Roadway Items:					\$1,550,460
Minor Roadway Items (% of Roadway Subtotal)					\$77,523.02
Total Roadway Items :					\$1,627,983

Retaining Walls		Quantity	Unit	Unit Cost	Item Cost
501(A)	STRUCTURAL EXCAVATION UNCLASSIFIED	19,981	CY	\$34	\$679,354
510(A)	RETAINING WALL	1,465	SY	\$1,200	\$1,758,000
Total Retaining Wall Items:					\$2,437,354

CONSTRUCTION COST ESTIMATE

City of Tulsa Participation

Traffic Control Items	Quantity	Unit	Unit Cost	Item Cost
Traffic Control				
Percentage of Roadway Costs	5%			\$81,399
Total Traffic Control Items:				\$81,399

Miscellaneous Items	Quantity	Unit	Unit Cost	Item Cost
Traffic Signing & Striping				
Percentage of Roadway Cost	2%			\$32,560
Total Miscellaneous Items:				\$32,560

Construction Cost	Quantity	Unit	Unit Cost	Item Cost
Total Roadway Items				\$1,627,983
Total Retaining Wall Items				\$2,437,354
Total Traffic Control Items				\$81,399
Total Miscellaneous Items (Traffic Signing & Striping)				\$32,560
Subtotal Construction Cost:				\$4,179,296
Staking	1%			\$41,793
Mobilization				\$233,844
Total including Staking & Mobilization				\$4,454,933
Contingency	15%			\$668,240
Total including Contingency				\$5,123,173

US 75 over 81st Street - Complete Project

81st Street DDI - COT Responsibility	\$5,123,173
81st Street DDI - ODOT Responsibility	\$21,433,133
TOTAL	\$26,556,305

CONSTRUCTION COST ESTIMATE

Project: US 75 over 81st St- Tulsa County
ODOT Proj. No.: J3-0374(004)
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Project Section: 81st Street DDI - ODOT Responsibility

ODOT Participation

Roadway Items		Quantity	Unit	Unit Cost	Item Cost
Earthwork					
201(A)	CLEARING AND GRUBBING	1	LSUM	\$20,000	\$20,000
202(A)	UNCLASSIFIED EXCAVATION	112,071	CY	\$12	\$1,344,847
202(D)	UNCLASSIFIED BORROW	46,358	CY	\$14	\$649,012
	SEDIMENT CONTROL	5.10	AC	\$10,000	\$51,000
220	SWPPP DOCUMENTATION AND MANAGEMENT	1	LSUM	\$10,000	\$10,000
Roadside Development					
205(A)	TYPE A-SALVAGED TOPSOIL	3,428	CY	\$6	\$20,568
230(A)	SOLID SLAB SODDING	24,676	SY	\$4	\$98,704
232(A)	SEEDING METHOD A	5.10	AC	\$3,500	\$17,850
233(A)	VEGETATIVE MULCHING	5.10	AC	\$750	\$3,825
241	MOWING	10.20	AC	\$300	\$3,060
Bases					
303(A)	AGGREGATE BASE TYPE A	8,227	CY	\$60	\$493,620
307(K)	STABILIZED SUBGRADE	47,930	SY	\$6	\$287,580
325	SEPARATOR FABRIC	30,737	SY	\$2	\$61,474
326(A)	GEOTEXTILE REINFORCEMENT	17,733	SY	\$3	\$53,199
Surface Courses					
402(E)	TRAFFIC BOUND SURFACE COURSE TYPE E	2,207	TON	\$30	\$66,210
407(B)	TACK COAT	2,315	GAL	\$5	\$11,575
411(B)	SUPERPAVE, TYPE S3 (PG 64-22 OK)	6,177	TON	\$85	\$525,045
411(C)	SUPERPAVE, TYPE S4 (PG 64-22 OK)	1,837	TON	\$105	\$192,885
412	COLD MILLING PAVEMENT	1,063	SY	\$11	\$11,693
414(A)	P.C. CONCRETE PAVEMENT (PLACEMENT)	5,397	SY	\$25	\$134,925
414(B)	DOWEL JOINTED P.C.C.PAVT. (PLACEMENT)	23,636	SY	\$30	\$709,080
414(G)	P.C. CONCRETE FOR PAVEMENT	7,803	CY	\$195	\$1,521,585
Incidental Construction					
509(A)	CLASS AA CONCRETE	47	CY	\$900	\$42,300
511(A)	REINFORCING STEEL	7,377	LB	\$2	\$14,754
514(J)	TEMPORARY SHEET PILING	1	LSUM	\$696,200	\$696,200
609(A)	CONC. CURB (8" BARRIER-INTEGRAL)	4,516	LF	\$10	\$45,160
609(A)	CONC. CURB (8" BARRIER-DOWELLED)	2,864	LF	\$30	\$85,920
610(A)	4" CONCRETE SIDEWALK	670	SY	\$70	\$46,900
610(C)	8" CONCRETE DIVIDING STRIP	1,406	SY	\$125	\$175,750
611(A)	MANHOLE (4' DIA.)	8	EA	\$3,750	\$30,000
611(A)	MANHOLE (5' DIA.)	2	EA	\$5,000	\$10,000
611(A)	MANHOLE (6' DIA.)	5	EA	\$7,000	\$35,000
611(A)	SQUARE MANHOLE (6' WIDE)	2	EA	\$7,000	\$14,000
611(B)	ADD'L DEPTH IN MANHOLE (4' DIAMETER)	7	VF	\$275	\$1,925
611(B)	ADD'L DEPTH IN MANHOLE (5' DIAMETER)	4	VF	\$300	\$1,200
611(B)	ADD'L DEPTH IN MANHOLE (6' DIAMETER)	13	VF	\$500	\$6,500
611(B)	ADD'L DEPTH IN MANHOLE (6' WIDE)	6	VF	\$500	\$3,000
611(G)	INLET W/ LRG. JCT. BOX, CI DES.2	1	EA	\$8,000	\$8,000
611(G)	INLET W/ LRG. JCT. BOX, CI DES.2 (B)	1	EA	\$9,500	\$9,500
611(G)	INLET W/ LRG. JCT. BOX, CI DES.2 (D)	5	EA	\$10,000	\$50,000
611(G)	INLET W/ LRG. JCT. BOX, CI DES.3	1	EA	\$11,500	\$11,500
611(G)	INLET (SMD-TYPE 2)	6	EA	\$4,000	\$24,000
611(G)	INLET, CI DES. 2 (STD)	3	EA	\$4,500	\$13,500
611(G)	INLET, CI DES. 2 (B)	5	EA	\$6,000	\$30,000
611(G)	INLET, CI DES. 2 (D)	2	EA	\$7,500	\$15,000
611(H)	ADD'L DEPTH IN INLET, CI DES. 2	32	VF	\$500	\$16,000
611(H)	ADD'L DEPTH IN INLET W/ LJB, CI DES. 2	25	VF	\$800	\$20,000
611(H)	ADD'L DEPTH IN INLET W/ LJB, CI DES. 3	4	VF	\$1,000	\$4,000
613(A)	18" R.C.PIPE CLASS III	855	LF	\$100	\$85,500
613(A)	24" R.C.PIPE CLASS III	206	LF	\$120	\$24,720
613(A)	30" R.C.PIPE CLASS III	511	LF	\$140	\$71,540
613(A)	36" R.C.PIPE CLASS III	419	LF	\$160	\$67,040
613(A)	42" R.C.PIPE CLASS III	68	LF	\$200	\$13,600
613(A)	48" R.C.PIPE CLASS III	255	LF	\$250	\$63,750
613(L)	18" PREFAB. CULVERT END SEC., ROUND	8	EA	\$750	\$6,000
613(L)	24" PREFAB. CULVERT END SEC., ROUND	4	EA	\$1,250	\$5,000
613(L)	30" PREFAB. CULVERT END SEC., ROUND	2	EA	\$1,750	\$3,500

CONSTRUCTION COST ESTIMATE

ODOT Participation

619(A)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	1	LSUM	\$20,000	\$20,000
619(B)	REMOVAL OF HEADWALL	7	EA	\$1,500	\$10,500
619(B)	REMOVAL OF CURB AND GUTTER	229	LF	\$10	\$2,290
619(B)	REMOVAL OF CONCRETE PAVEMENT	8,611	SY	\$9	\$77,499
619(B)	REMOVAL OF ASPHALT PAVEMENT	26,416	SY	\$5	\$132,080
619(B)	REMOVAL OF DRAINAGE INLETS	3	EA	\$750	\$2,250
619(B)	REMOVAL OF MANHOLES	4	EA	\$750	\$3,000
619(B)	REMOVAL OF GUARDRAIL	1,364	LF	\$7	\$9,548
619(B)	REMOVAL OF SIDEWALK	153	SY	\$15	\$2,295
619(B)	REMOVAL OF CONCRETE SLOPE PROTECTION	697	SY	\$12	\$8,364
619(B)	REMOVAL OF RIPRAP	27	SY	\$20	\$540
619(B)	REMOVAL OF CABLE BARRIER	1,182	LF	\$20	\$23,640
619(B)	REMOVAL OF CONCRETE DITCH LINER	819	LF	\$10	\$8,190
619(B)	REMOVAL OF EXISTING PIPE	1,368	LF	\$15	\$20,520
619(B)	REMOVAL OF EXISTING PARAPET	314	LF	\$125	\$39,250
619(C)	SAWING PAVEMENT	566	LF	\$6	\$3,396
623(A)	BEAM GUARDRAIL W-BEAM SINGLE	825	LF	\$35	\$28,875
623(G)	GUARDRAIL END TREATMENT (31")	4	EA	\$5,000	\$20,000
623(I)	GUARDRAIL BRIDGE CONN-THRIE BEAM (31")	4	EA	\$3,500	\$14,000
853	GUARDRAIL DELINEATORS (TYPE 2, CODE 1)	24	EA	\$20	\$480
	SPECIAL INLET, DES. 1	1	EA	\$7,000	\$7,000
	SPECIAL INLET, DES. 2	2	EA	\$12,000	\$24,000
	ADD'L DEPTH IN SPECIAL INLET, DES. 1	3	VF	\$800	\$2,400
	Subtotal Roadway Items:				\$8,498,613
	Minor Roadway Items (% of Roadway Subtotal)	5%			\$424,930.66
	Total Roadway Items :				\$8,923,544

CONSTRUCTION COST ESTIMATE

ODOT Participation

Bridge Items	Quantity	Unit	Unit Cost	Item Cost
BRIDGE "A"	19823	SF	\$180	\$3,568,140
BRIDGE "B"	19823	SF	\$180	\$3,568,140
502(C) SB DETOUR BRIDGE	1	LSUM	\$237,600	\$237,600
502(C) NB DETOUR BRIDGE	1	LSUM	\$237,600	\$237,600
619(B) REMOVAL OF BRIDGE ITEMS	8960	SF	\$15	\$134,400
Subtotal Bridge Items:				\$7,745,880
Minor Bridge Items (% of Bridge Subtotal)				\$387,294.00
Total Bridge Items:				\$8,133,174

Traffic Control Items	Quantity	Unit	Unit Cost	Item Cost
Traffic Control				
Percentage of Roadway Costs	5%			\$446,177
Total Traffic Control Items:				\$446,177

Miscellaneous Items	Quantity	Unit	Unit Cost	Item Cost
Traffic Signing & Striping				
Percentage of Roadway Cost	2%			\$178,471
Total Miscellaneous Items:				\$178,471

Construction Cost	Quantity	Unit	Unit Cost	Item Cost
Total Roadway Items				\$8,923,544
Total Bridge Items				\$8,133,174
Total Traffic Control Items				\$446,177
Total Miscellaneous Items (Traffic Signing & Striping)				\$178,471
Subtotal Construction Cost:				\$17,681,366
Staking	1%			\$176,814
Mobilization				\$779,327
Total including Staking & Mobilization				\$18,637,507
Contingency	15%			\$2,795,626
Total including Contingency				\$21,433,133

US 75 over 81st Street - Complete Project

81st Street DDI - COT Responsibility	\$5,123,173
81st Street DDI - ODOT Responsibility	\$21,433,133
TOTAL	\$26,556,305